



**GOVERNO DO ESTADO DE MATO GROSSO SECRETARIA DE
ESTADO DE INFRAESTRUTURA E LOGÍSTICA
SUPERINTENDÊNCIA PROJETOS DE OBRAS RODOVIÁRIAS**

**PROJETO EXECUTIVO DE IMPLANTAÇÃO E PAVIMENTAÇÃO DA
RODOVIA MT-469**

RODOVIA: MT 469

TRECHO: RONDONÓPOLIS - JUSCIMEIRA

SUBTRECHO: ENTR. MT-270 - DIV. RONDONÓPOLIS/JUSCIMEIRA

EXTENSÃO: 5,00KM

VOLUME 3C – NOTAS DE SERVIÇO E CALCULO DE VOLUMES

JANEIRO/2025



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VOLUME 3C – NOTAS DE SERVIÇO E CALCULO DE VOLUMES

CONTRATANTE: PREFEITURA MUNICIPAL DE JUSCIMEIRA – MT.

ELABORAÇÃO: META PROJETOS E ADMINTRAÇÃO DE OBRAS LTDA.



RESP. TÉCNICO: ALISON PULCINO DOS SANTOS – CREA/MT – 56938

ART: 1220240235776

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1. APRESENTAÇÃO



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A **PREFEITURA MUNICIPAL DE NOVA MUTUM**, apresenta o Volume 3C – **Notas de Serviços e Cálculos dos Volumes** referentes ao Projeto Executivo de Implantação e Pavimentação da Rodovia MT-469, trecho: Rondonópolis - Juscimeira, Subtrecho: Entr. MT-270 -DIV. RONDONÓPOLIS/JUSCIMEIRA, com extensão de 5,00 km.

O Projeto foi concebido seguindo as orientações estabelecidas no Termo de Referência.

Este Projeto Final é constituído dos seguintes Volumes:

- Volume – 1: Relatório do Projeto e Documentos para Concorrência;
- Volume – 2: Projeto de Execução;
- Volume – 2.1: Projeto Executivo Seções Transversais;
- Volume – 3: Memória Justificativa;
- Volume – 3A: Estudos Geotécnicos;
- Volume – 3C: Notas de Serviço e Cálculo de Volumes;
- Volume – 4: Orçamento;

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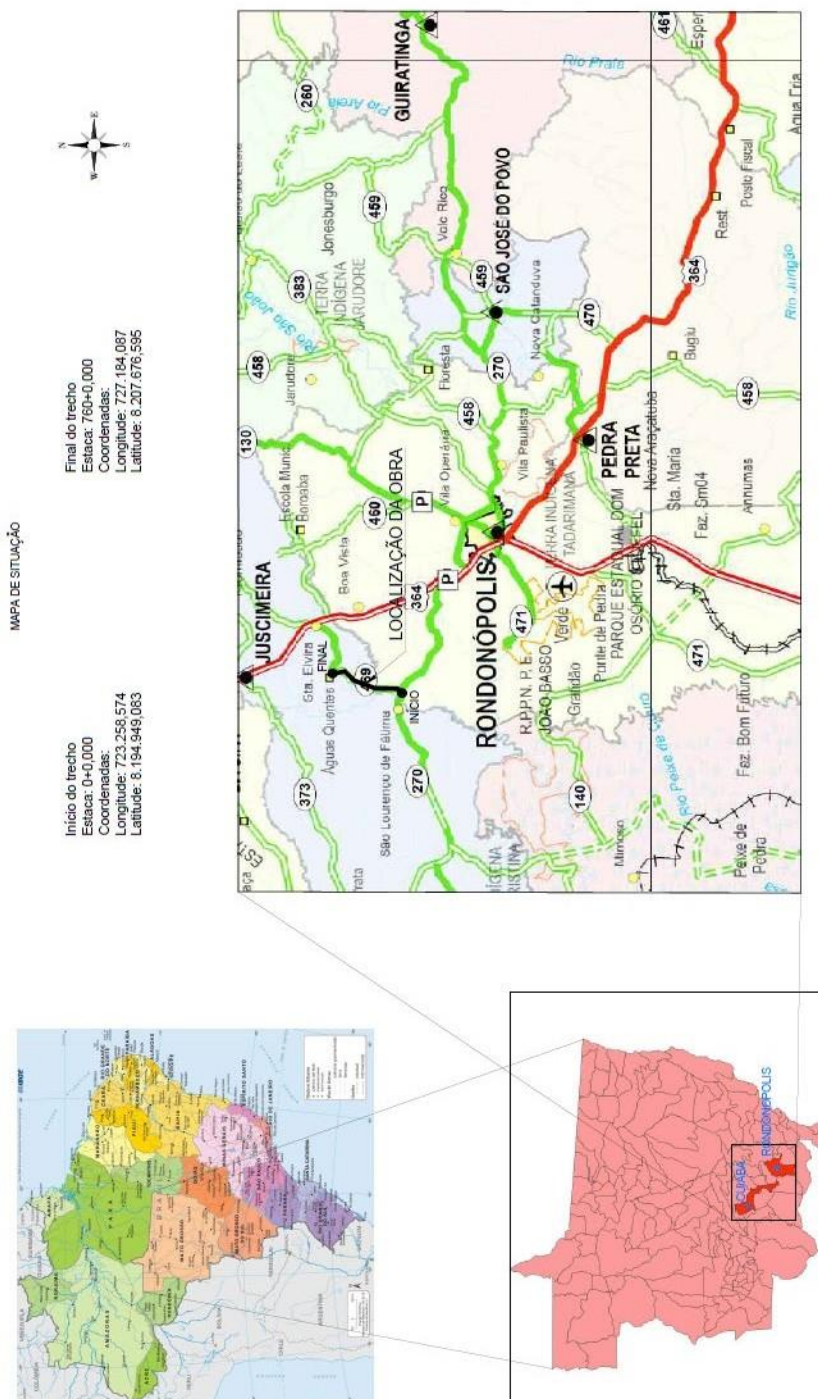
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2. MAPA DE SITUAÇÃO



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3. MARCOS, RNs E COORDENADAS DO EIXO



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3.1. Marcos e RN's



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QUADRO DE MARCOS E RN'S								
NOME	ESTACA			UTM			DIST. DO EIXO	LADO
				NORTE	ESTE	ALTITUDE ORTOMÉTRICA		
M-00		+		8,207,658,572	727,222,748	229,657		
M-01	759	+	13,64	8,207,678,568	727,150,727	227,056	2,64	ESQUERDO
M-02	515	+	2,41	8,203,954,595	725,643,815	245,960	10,28	ESQUERDO
M-03	519	+	10,78	8,204,031,960	725,687,325	249,138	10,35	ESQUERDO
M-04	268	+	1,36	8,199,792,856	724,184,536	203,047	24,04	ESQUERDO
M-05	262	+	1,21	8,199,676,067	724,165,335	206,529	37,72	ESQUERDO
M-06	24	+	12,75	8,195,147,225	723,697,600	215,660	41,43	ESQUERDO
M-07	21	+	0,64	8,195,096,864	723,646,752	219,548	20,30	ESQUERDO
RN-01	739		10,82	8,207,441,385	726,958,162	222,869	5,80	ESQUERDO
RN-02	713		3,83	8,206,933,639	727,099,682	228,345	5,86	DIREITO
RN-03	688		6,78	8,206,469,602	727,266,466	240,683	4,52	ESQUERDO
RN-04	663		5,29	8,205,979,277	727,374,369	254,058	28,29	ESQUERDO
RN-05	638		15,22	8,205,509,136	727,480,150	241,346	3,82	DIREITO
RN-06	614		9,84	8,205,206,319	727,112,931	239,636	7,39	ESQUERDO
RN-07	589		18,98	8,204,858,235	726,808,992	235,439	7,17	ESQUERDO
RN-08	565		14,47	8,204,559,381	726,446,677	235,821	10,97	ESQUERDO
RN-09	540		5,31	8,204,285,933	726,017,154	256,533	15,78	ESQUERDO
RN-10	492		9,41	8,203,585,598	725,740,338	233,098	5,35	DIREITO
RN-11	466		18,02	8,203,200,182	725,984,905	238,414	9,95	ESQUERDO
RN-12	444		2,34	8,202,755,630	725,884,784	245,688	6,83	ESQUERDO
RN-13	418		0,12	8,202,263,924	725,722,490	252,299	5,93	ESQUERDO
RN-14	393		17,50	8,201,844,524	725,482,327	258,601	31,44	ESQUERDO
RN-15	386		2,95	8,201,368,801	725,282,935	247,129	4,82	DIREITO
RN-16	343		10,26	8,200,929,293	725,060,291	231,520	4,00	DIREITO
RN-17	318		13,78	8,200,520,806	724,787,299	216,949	7,98	ESQUERDO
RN-18	294		8,39	8,200,256,997	724,379,024	203,768	12,50	DIREITO
RN-19	244		8,72	8,199,330,117	724,110,467	217,465	35,24	ESQUERDO
RN-20	221	+	3,53	8,198,871,164	724,034,500	218,018	33,71	ESQUERDO
RN-21	194		9,24	8,198,335,641	724,018,906	223,646	6,62	DIREITO
RN-22	169		14,56	8,197,840,964	724,021,674	217,550	7,84	DIREITO
RN-23	143		17,59	8,197,325,846	723,988,449	208,999	5,88	DIREITO
RN-24	117		2,20	8,196,867,845	724,102,780	206,680	18,09	DIREITO
RN-25	94		12,91	8,196,416,469	724,065,416	207,747	7,80	DIREITO
RN-26	64		15,15	8,195,826,656	723,966,907	204,381	7,90	ESQUERDO
RN-27	45		9,18	8,195,442,446	723,927,846	209,908	5,04	DIREITO
RN-28	1		8,09	8,194,977,661	723,272,259	227,647	11,50	DIREITO

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3.2.Coordenadas do Eixo



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COORDENADAS DO EIXO: MT 469		
Estaca	Norte	Este
0+0,000	8,194,949,083	723,258,574
1+0,000	8,194,963,118	723,272,822
1+0,000 PC	8,194,963,118	723,272,822
2+0,000	8,194,974,171	723,289,348
2+7,829 PT	8,194,976,686	723,296,755
3+0,000	8,194,979,739	723,308,537
4+0,000	8,194,984,755	723,327,897
5+0,000	8,194,989,771	723,347,258
6+0,000	8,194,994,788	723,366,619
7+0,000	8,194,999,804	723,385,979
8+0,000	8,195,004,821	723,405,340
9+0,000	8,195,009,837	723,424,701
10+0,000	8,195,014,853	723,444,061
11+0,000	8,195,019,870	723,463,422
12+0,000	8,195,024,886	723,482,783
13+0,000	8,195,029,903	723,502,143
14+0,000	8,195,034,919	723,521,504
15+0,000	8,195,039,935	723,540,865
15+0,000 TE	8,195,039,935	723,540,865
16+0,000	8,195,045,005	723,560,211
17+0,000	8,195,050,397	723,579,470
17+0,000 EC	8,195,050,397	723,579,470
18+0,000	8,195,056,375	723,598,555
19+0,000	8,195,062,986	723,617,430
20+0,000	8,195,070,222	723,636,074
21+0,000	8,195,078,076	723,654,466
22+0,000	8,195,086,539	723,672,586
23+0,000	8,195,095,601	723,690,415
24+0,000	8,195,105,253	723,707,931
24+6,395 CE	8,195,108,462	723,713,462
25+0,000	8,195,115,468	723,725,124
26+0,000	8,195,126,058	723,742,090
26+6,395 ET	8,195,129,477	723,747,495
27+0,000	8,195,136,753	723,758,990
28+0,000	8,195,147,450	723,775,890
28+20,000 TE	8,195,158,146	723,792,789
29+0,000	8,195,158,146	723,792,789

COORDENADAS DO EIXO: MT 469		
Estaca	Norte	Este
30+0,000	8,195,168,976	723,809,603
30+20,000 EC	8,195,180,588	723,825,881
31+0,000	8,195,180,588	723,825,881
32+0,000	8,195,193,568	723,841,087
33+0,000	8,195,207,930	723,854,995
34+0,000	8,195,223,544	723,867,480
35+0,000	8,195,240,271	723,878,431
36+0,000	8,195,257,960	723,887,748
37+0,000	8,195,276,452	723,895,348
38+0,000	8,195,295,580	723,901,162
38+3,787 CE	8,195,299,260	723,902,057
39+0,000	8,195,315,158	723,905,221
40+0,000	8,195,334,939	723,908,172
40+3,787 ET	8,195,338,691	723,908,682
41+0,000	8,195,354,757	723,910,862
42+0,000	8,195,374,575	723,913,551
43+0,000	8,195,394,394	723,916,239
44+0,000	8,195,414,212	723,918,928
45+0,000	8,195,434,031	723,921,617
46+0,000	8,195,453,849	723,924,305
47+0,000	8,195,473,668	723,926,994
48+0,000	8,195,493,486	723,929,683
49+0,000	8,195,513,305	723,932,371
50+0,000	8,195,533,123	723,935,060
51+0,000	8,195,552,941	723,937,749
52+0,000	8,195,572,760	723,940,438
53+0,000	8,195,592,578	723,943,126
54+0,000	8,195,612,397	723,945,815
55+0,000	8,195,632,215	723,948,504
56+0,000	8,195,652,034	723,951,192
57+0,000	8,195,671,852	723,953,881
58+0,000	8,195,691,671	723,956,570
59+0,000	8,195,711,489	723,959,258
60+0,000	8,195,731,307	723,961,947
61+0,000	8,195,751,126	723,964,636
62+0,000	8,195,770,944	723,967,325
63+0,000	8,195,790,763	723,970,014

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COORDENADAS DO EIXO: MT 469		
Estaca	Norte	Este
64+0,000	8,195,810,581	723,972,702
65+0,000	8,195,830,400	723,975,391
66+0,000	8,195,850,218	723,978,079
67+0,000	8,195,870,037	723,980,768
68+0,000	8,195,889,855	723,983,457
69+0,000	8,195,909,674	723,986,145
70+0,000	8,195,929,492	723,988,834
71+0,000	8,195,949,310	723,991,523
72+0,000	8,195,969,129	723,994,212
73+0,000	8,195,988,947	723,996,900
73+11,863 PC	8,196,000,702	723,998,495
74+0,000	8,196,008,765	723,999,596
75+0,000	8,196,028,573	724,002,356
75+4,268 PT	8,196,032,799	724,002,955
76+0,000	8,196,048,374	724,005,171
77+0,000	8,196,068,175	724,007,988
78+0,000	8,196,087,976	724,010,806
79+0,000	8,196,107,776	724,013,623
80+0,000	8,196,127,577	724,016,440
81+0,000	8,196,147,377	724,019,257
82+0,000	8,196,167,178	724,022,074
83+0,000	8,196,186,979	724,024,891
84+0,000	8,196,206,779	724,027,708
85+0,000	8,196,226,580	724,030,525
86+0,000	8,196,246,380	724,033,342
87+0,000	8,196,266,181	724,036,159
88+0,000	8,196,285,982	724,038,976
89+0,000	8,196,305,782	724,041,794
90+0,000	8,196,325,583	724,044,611
91+0,000	8,196,345,383	724,047,428
92+0,000	8,196,365,184	724,050,245
93+0,000	8,196,384,985	724,053,062
94+0,000	8,196,404,785	724,055,879
95+0,000	8,196,424,586	724,058,696
96+0,000	8,196,444,386	724,061,513
97+0,000	8,196,464,187	724,064,330
98+0,000	8,196,483,988	724,067,147

COORDENADAS DO EIXO: MT 469		
Estaca	Norte	Este
99+0,000	8,196,503,788	724,069,964
100+0,000	8,196,523,589	724,072,781
101+0,000	8,196,543,389	724,075,599
102+0,000	8,196,563,190	724,078,416
103+0,000	8,196,582,991	724,081,233
104+0,000	8,196,602,791	724,084,050
105+0,000	8,196,622,592	724,086,867
106+0,000	8,196,642,392	724,089,684
107+0,000	8,196,662,193	724,092,501
108+0,000	8,196,681,994	724,095,318
108+20,000 TE	8,196,701,794	724,098,135
109+0,000	8,196,701,794	724,098,135
110+0,000	8,196,721,611	724,100,837
110+20,000 EC	8,196,741,507	724,102,848
111+0,000	8,196,741,507	724,102,848
112+0,000	8,196,761,489	724,103,586
113+0,000	8,196,781,475	724,102,932
114+0,000	8,196,801,366	724,100,890
115+0,000	8,196,821,067	724,097,469
116+0,000	8,196,840,483	724,092,686
117+0,000	8,196,859,518	724,086,564
118+0,000	8,196,878,082	724,079,133
119+0,000	8,196,896,084	724,070,429
120+0,000	8,196,913,437	724,060,493
120+17,934 CE	8,196,928,377	724,050,577
121+0,000	8,196,930,058	724,049,375
122+0,000	8,196,945,960	724,037,250
122+17,934 ET	8,196,959,881	724,025,943
123+0,000	8,196,961,478	724,024,633
124+0,000	8,196,976,944	724,011,952
125+0,000	8,196,992,409	723,999,270
126+0,000	8,197,007,874	723,986,588
127+0,000	8,197,023,340	723,973,907
127+20,000 TE	8,197,038,805	723,961,225
128+0,000	8,197,038,805	723,961,225
129+0,000	8,197,054,373	723,948,670
130+0,000	8,197,070,534	723,936,89

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COORDENADAS DO EIXO: MT 469		
Estaca	Norte	Este
130+20,000 EC	8,197,087,763	723,926,765
131+0,000	8,197,087,764	723,926,765
132+0,000	8,197,106,225	723,919,118
133+0,000	8,197,125,607	723,914,260
134+0,000	8,197,145,492	723,912,294
135+0,000	8,197,165,451	723,913,264
135+16,830 CE	8,197,181,986	723,916,340
136+0,000	8,197,185,052	723,917,147
137+0,000	8,197,203,962	723,923,624
138+0,000	8,197,222,218	723,931,783
138+16,830 ET	8,197,237,293	723,939,265
139+0,000	8,197,240,125	723,940,690
140+0,000	8,197,257,988	723,949,685
140+20,000 TE	8,197,275,852	723,958,679
141+0,000	8,197,275,852	723,958,679
142+0,000	8,197,293,749	723,967,606
142+20,000 EC	8,197,311,843	723,976,125
143+0,000	8,197,311,843	723,976,125
144+0,000	8,197,330,273	723,983,887
145+0,000	8,197,349,036	723,990,807
146+0,000	8,197,368,093	723,996,871
147+0,000	8,197,387,404	724,002,068
148+0,000	8,197,406,931	724,006,385
149+0,000	8,197,426,633	724,009,816
150+0,000	8,197,446,470	724,012,351
151+0,000	8,197,466,401	724,013,987
151+7,586 CE	8,197,473,977	724,014,372
152+0,000	8,197,486,385	724,014,738
153+0,000	8,197,506,384	724,014,870
153+7,586 ET	8,197,513,970	724,014,850
154+0,000	8,197,526,384	724,014,812
155+0,000	8,197,546,384	724,014,749
156+0,000	8,197,566,384	724,014,687
157+0,000	8,197,586,384	724,014,624
158+0,000	8,197,606,384	724,014,562
159+0,000	8,197,626,384	724,014,500
160+0,000	8,197,646,384	724,014,437

COORDENADAS DO EIXO: MT 469		
Estaca	Norte	Este
161+0,000	8,197,666,384	724,014,375
162+0,000	8,197,686,384	724,014,313
163+0,000	8,197,706,383	724,014,250
164+0,000	8,197,726,383	724,014,188
165+0,000	8,197,746,383	724,014,126
166+0,000	8,197,766,383	724,014,063
167+0,000	8,197,786,383	724,014,001
168+0,000	8,197,806,383	724,013,938
169+0,000	8,197,826,383	724,013,876
170+0,000	8,197,846,383	724,013,814
171+0,000	8,197,866,383	724,013,751
172+0,000	8,197,886,383	724,013,689
173+0,000	8,197,906,383	724,013,627
174+0,000	8,197,926,382	724,013,564
175+0,000	8,197,946,382	724,013,502
176+0,000	8,197,966,382	724,013,439
177+0,000	8,197,986,382	724,013,377
178+0,000	8,198,006,382	724,013,315
179+0,000	8,198,026,382	724,013,252
180+0,000	8,198,046,382	724,013,190
181+0,000	8,198,066,382	724,013,128
182+0,000	8,198,086,382	724,013,065
183+0,000	8,198,106,382	724,013,003
184+0,000	8,198,126,381	724,012,941
185+0,000	8,198,146,381	724,012,878
186+0,000	8,198,166,381	724,012,816
187+0,000	8,198,186,381	724,012,753
188+0,000	8,198,206,381	724,012,691
189+0,000	8,198,226,381	724,012,629
190+0,000	8,198,246,381	724,012,566
191+0,000	8,198,266,381	724,012,504
192+0,000	8,198,286,381	724,012,442
193+0,000	8,198,306,381	724,012,379
194+0,000	8,198,326,380	724,012,317
195+0,000	8,198,346,380	724,012,255
196+0,000	8,198,366,380	724,012,192
197+0,000	8,198,386,380	724,012,130

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COORDENADAS DO EIXO: MT 469		
Estaca	Norte	Este
198+0,000	8,198,406,380	724,012,067
199+0,000	8,198,426,380	724,012,005
200+0,000	8,198,446,380	724,011,943
200+11,389 TE	8,198,457,769	724,011,907
201+0,000	8,198,466,380	724,011,884
202+0,000	8,198,486,380	724,011,942
202+11,389 EC	8,198,497,767	724,012,121
203+0,000	8,198,506,375	724,012,360
204+0,000	8,198,526,353	724,013,277
205+0,000	8,198,546,302	724,014,701
206+0,000	8,198,566,208	724,016,631
206+2,892 CE	8,198,569,082	724,016,952
207+0,000	8,198,586,062	724,019,039
208+0,000	8,198,605,879	724,021,736
208+2,892 ET	8,198,608,744	724,022,134
209+0,000	8,198,625,688	724,024,495
210+0,000	8,198,645,497	724,027,254
211+0,000	8,198,665,306	724,030,013
212+0,000	8,198,685,115	724,032,772
213+0,000	8,198,704,923	724,035,531
214+0,000	8,198,724,732	724,038,290
215+0,000	8,198,744,541	724,041,049
216+0,000	8,198,764,350	724,043,808
217+0,000	8,198,784,158	724,046,567
218+0,000	8,198,803,967	724,049,326
219+0,000	8,198,823,776	724,052,085
220+0,000	8,198,843,585	724,054,844
221+0,000	8,198,863,394	724,057,604
222+0,000	8,198,883,202	724,060,363
223+0,000	8,198,903,011	724,063,122
224+0,000	8,198,922,820	724,065,881
225+0,000	8,198,942,629	724,068,640
226+0,000	8,198,962,437	724,071,399
227+0,000	8,198,982,246	724,074,158
228+0,000	8,199,002,055	724,076,917
229+0,000	8,199,021,864	724,079,676
230+0,000	8,199,041,672	724,082,435

COORDENADAS DO EIXO: MT 469		
Estaca	Norte	Este
231+0,000	8,199,061,481	724,085,194
232+0,000	8,199,081,290	724,087,953
233+0,000	8,199,101,099	724,090,712
234+0,000	8,199,120,908	724,093,472
235+0,000	8,199,140,716	724,096,231
236+0,000	8,199,160,525	724,098,990
237+0,000	8,199,180,334	724,101,749
238+0,000	8,199,200,143	724,104,508
239+0,000	8,199,219,951	724,107,267
240+0,000	8,199,239,760	724,110,026
241+0,000	8,199,259,569	724,112,785
242+0,000	8,199,279,378	724,115,544
243+0,000	8,199,299,187	724,118,303
244+0,000	8,199,318,995	724,121,062
245+0,000	8,199,338,804	724,123,821
246+0,000	8,199,358,613	724,126,580
247+0,000	8,199,378,422	724,129,340
248+0,000	8,199,398,230	724,132,099
249+0,000	8,199,418,039	724,134,858
250+0,000	8,199,437,848	724,137,617

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3.3. Coordenadas do Eixo da Interseção.

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Alinhamento: Ramo 01

Estaca	Norte	Este
0+0,000 PC	8,194,994,617	723,346,002
1+0,000	8,194,989,969	723,326,552
2+0,000	8,194,986,267	723,306,900
3+0,000	8,194,983,517	723,287,092
3+12,453 PCR	8,194,982,289	723,274,700
4+0,000	8,194,980,641	723,267,359
4+2,495 PCR	8,194,979,662	723,265,066
5+0,000	8,194,972,702	723,249,008
6+0,000	8,194,966,347	723,230,052
7+0,000	8,194,961,744	723,210,596
8+0,000	8,194,958,931	723,190,802
9+0,000	8,194,957,932	723,170,834
9+5,822 PT	8,194,957,984	723,165,013
9+8,822	8,194,958,012	723,162,013

Alinhamento: Ramo 02

Estaca	Norte	Este
0+0,000	8,194,935,749	723,344,386
1+0,000	8,194,940,889	723,325,058
1+8,160 PC	8,194,942,986	723,317,172
2+0,000	8,194,949,528	723,307,574
3+0,000	8,194,968,420	723,306,385
3+14,152 PT	8,194,976,839	723,317,281
4+0,000	8,194,978,306	723,322,942
4+14,820 PI	8,194,960,119	723,252,751
5+0,000	8,194,983,322	723,342,302
5+6,466	8,194,984,944	723,348,562

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Alinhamento: Ramo 03

Estaca	Norte	Este
0+0,000	8,194,948,007	723,161,919
0+9,779 PC	8,194,947,915	723,171,698
1+0,000	8,194,947,623	723,181,914
2+0,000	8,194,945,915	723,201,836
3+0,000	8,194,942,714	723,221,573
4+0,000	8,194,938,036	723,241,014
5+0,000	8,194,931,909	723,260,047
5+7,314 PCR	8,194,929,313	723,266,884
6+0,000	8,194,927,484	723,279,325
6+3,428 PCR	8,194,927,986	723,282,714
7+0,000	8,194,930,333	723,299,106
8+0,000	8,194,930,218	723,319,084
9+0,000	8,194,926,883	723,338,782
9+1,393 PT	8,194,926,533	723,340,129
9+3,138	8,194,926,085	723,341,816

Alinhamento: Rótula

Estaca	Norte	Este
0+0,000	8,194,981,416	723,269,763
1+0,000	8,194,969,893	723,253,955
2+0,000	8,194,950,775	723,249,808
3+0,000	8,194,933,738	723,259,420
3+19,072 PCC	8,194,927,385	723,276,999
4+0,000	8,194,927,401	723,277,927
5+0,000	8,194,934,972	723,295,965
6+0,000	8,194,952,620	723,304,405
7+0,000	8,194,971,414	723,298,978
8+0,000	8,194,981,844	723,282,428
8+12,788	8,194,981,416	723,269,763

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4. NOTAS DE SERVIÇO



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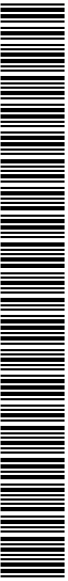
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4.1. Notas de Serviço de Pavimentação



Nota de Serviço de Pavimentação																					
MT 469 0+0.000 760+10.000																					
Lado Esquerdo								Eixo													
Offset		Fim da Ciclofaixa			Pista			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Pista			Fim do Acostamento			Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-9,081	226,451	-7,900	227,238	-3,00	-3,500	227,370	-3,00	5+0.000			227,475	225,865	1,610	3,500	227,370	-3,00	5,400	227,313	-3,00	6,643	226,484
-8,963	226,215	-7,900	226,923	-3,00	-3,500	227,055	-3,00	6+0.000			227,160	225,713	1,448	3,500	227,055	-3,00	5,400	226,998	-3,00	6,079	226,564
-9,464	225,544	-7,900	226,587	-3,00	-3,500	226,719	-3,00	7+0.000		PTV	226,824	225,120	1,704	3,500	226,719	-3,00	5,400	226,662	-3,00	6,297	226,063
-9,359	225,266	-7,900	226,239	-3,00	-3,500	226,371	-3,00	8+0.000		PCV	226,476	224,866	1,610	3,500	226,371	-3,00	5,400	226,314	-3,00	6,335	225,690
-9,509	224,794	-7,900	225,867	-3,00	-3,500	225,999	-3,00	9+0.000			226,104	225,116	0,988	3,500	225,999	-3,00	5,400	225,942	-3,00	6,676	225,091
-9,509	224,794	-7,900	225,447	-3,00	-3,500	225,579	-3,00	10+0.000			225,684	225,552	0,132	3,500	225,579	-3,00	5,400	225,522	-3,00	7,068	226,078
-9,184	224,123	-7,900	224,979	-3,00	-3,500	225,111	-3,00	11+0.000			225,216	223,533	1,684	3,500	225,111	-3,00	5,400	225,054	-3,00	6,124	224,572
-9,028	224,478	-7,900	224,463	-3,00	-3,500	224,595	-3,00	12+0.000		PTV	224,700	224,186	0,514	3,500	224,595	-3,00	5,400	224,538	-3,00	6,479	224,504
-8,802	223,712	-7,900	223,923	-3,00	-3,500	224,055	-3,00	13+0.000			224,160	223,554	0,607	3,500	224,055	-3,00	5,400	223,998	-3,00	6,814	224,300
-8,734	223,104	-7,900	223,383	-3,00	-3,500	223,515	-3,00	14+0.000		PCV	223,620	222,956	0,664	3,500	223,515	-3,00	5,400	223,458	-3,00	6,751	223,696
-8,872	222,679	-7,900	222,820	-3,00	-3,500	222,952	-3,00	15+0.000	TS		223,057	222,387	0,670	3,500	223,057	0,00	5,400	223,057	0,00	6,340	222,935
-10,186	223,341	-7,900	222,175	-3,45	-3,500	222,327	-3,45	16+0.000			222,447	221,250	1,198	3,500	222,568	3,45	5,400	222,634	3,45	6,248	222,069
-9,781	221,943	-7,900	221,246	-6,90	-3,500	221,550	-6,90	17+0.000	SC		221,791	221,783	0,008	3,500	222,033	6,90	5,400	222,164	6,90	6,367	222,168
-9,799	221,258	-7,900	220,544	-6,90	-3,500	220,848	-6,90	18+0.000			221,089	220,903	0,186	3,500	221,331	6,90	5,400	221,462	6,90	6,074	221,173
-9,967	220,678	-7,900	219,795	-6,90	-3,500	220,099	-6,90	19+0.000			220,340	220,247	0,093	3,500	220,582	6,90	5,400	220,713	6,90	6,258	220,608
-9,440	219,355	-7,900	219,000	-6,90	-3,500	219,304	-6,90	20+0.000		PTV	219,545	219,672	-0,126	3,500	219,787	6,90	5,400	219,918	6,90	6,563	220,118
-9,514	218,889	-7,900	218,460	-6,90	-3,500	218,764	-6,90	20+13.198			219,006	219,173	-0,167	3,500	219,247	6,90	5,400	219,378	6,90	6,922	219,938
-9,701	218,798	-7,900	218,182	-6,90	-3,500	218,486	-6,90	21+0.000			218,727	218,841	-0,114	3,500	218,969	6,90	5,400	219,100	6,90	7,241	219,978
-10,299	218,578	-7,900	217,364	-6,90	-3,500	217,668	-6,90	22+0.000			217,909	218,469	-0,560	3,500	218,151	6,90	5,400	218,282	6,90	6,671	218,590
-10,215	217,676	-7,900	216,546	-6,90	-3,500	216,849	-6,90	23+0.000			217,091	217,445	-0,354	3,500	217,332	6,90	5,400	217,464	6,90	6,531	217,631
-9,599	216,241	-7,900	215,728	-6,90	-3,500	216,031	-6,90	24+0.000			216,273	216,181	0,092	3,500	216,514	6,90	5,400	216,645	6,90	6,094	216,376
-9,466	215,847	-7,900	215,466	-6,90	-3,500	215,770	-6,90	24+6.395	CS		216,011	215,742	0,269	3,500	216,253	6,90	5,400	216,384	6,90	6,010	215,977
-8,903	214,958	-7,900	215,095	-4,55	-3,500	215,295	-4,55	25+0.000		PCV	215,455	214,996	0,459	3,500	215,614	4,55	5,400	215,700	4,55	6,133	215,212
-8,859	214,297	-7,900	214,451	-3,00	-3,500	214,583	-3,00	26+0.000			214,688	214,020	0,668	3,500	214,727	1,10	5,400	214,747	1,10	6,133	214,259
-9,215	214,430	-7,900	214,228	-3,00	-3,500	214,360	-3,00	26+6.395	ST		214,465	213,690	0,774	3,500	214,465	0,00	5,400	214,465	0,00	6,164	213,955
-8,709	213,248	-7,900	213,787	-3,00	-3,500	213,919	-3,00	27+0.000			214,024	213,097	0,928	3,500	213,942	-2,35	5,400	213,898	-2,35	6,234	213,342
-8,936	212,536	-7,900	213,227	-3,00	-3,500	213,359	-3,00	28+0.000			213,464	212,428	1,036	3,500	213,359	-3,00	5,400	213,302	-3,00	6,157	212,947
-9,362	211,795	-7,900	212,770	-3,00	-3,500	212,902	-3,00	28+20.000	TS		213,007	212,031	0,976	3,500	213,007	0,00	5,400	213,007	0,00	6,953	211,971
-9,694	211,140	-7,900	212,337	-4,00	-3,500	212,513	-4,00	30+0.000			212,653	211,454	1,199	3,500	212,793	4,00	5,400	212,869	4,00	7,299	211,603
-9,696	210,572	-7,900	211,770	-8,00	-3,500	212,122	-8,00	30+20.000	SC	PTV	212,402	211,162	1,240	3,500	212,682	8,00	5,400	212,834	8,00	8,365	210,857
-10,336	209,946	-7,900	211,570	-8,00	-3,500	211,922	-8,00	32+0.000			212,202	210,747	1,455	3,500	212,482	8,00	5,400	212,634	8,00	8,053	210,866
-10,733	209,482	-7,900	211,371	-8,00	-3,500	211,723	-8,00	33+0.000		PCV	212,003	210,775	1,228	3,500	212,283	8,00	5,400	212,435	8,00	8,155	210,598

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https://aquisicoes.seplag.mt.gov.br/flowbee-pub/#/avaldaar/CF6M-06EJ-XT46-VZVK. Assinado por: ALISON PULCINO DOS SANTOS em 17/06/2025; AMANDA CRISTINA REZENDE
ARAUJO em 12/09/2025. Juntado em 16/09/2025 09:07:15 por AMANDA ARAUJO.



SINFRA-PRO-2025/15686



Nota de Serviço de Pavimentação																			
MT 469 0+0.000 760+10.000																			
Lado Esquerdo								Eixo											
Offset				Fim da Ciclofaixa				Pista				Estaca				Pontos Notáveis da Geometria Horizontal			
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-9,171	210,333	-7,900	211,180	-8,00	-3,500	211,532	-8,00	34+0.000				211,812	210,182	1,630	3,500	212,092	8,00	5,400	212,244
-8,690	210,657	-7,900	211,075	-8,00	-3,500	211,427	-8,00	34+11.893				211,707	211,162	0,546	3,500	211,987	8,00	5,400	212,139
-8,968	210,295	-7,900	211,007	-8,00	-3,500	211,359	-8,00	35+0.000				211,639	210,963	0,676	3,500	211,919	8,00	5,400	212,071
-8,650	210,395	-7,900	210,852	-8,00	-3,500	211,204	-8,00	36+0.000				211,484	210,882	0,602	3,500	211,764	8,00	5,400	211,916
-8,715	210,172	-7,900	210,715	-8,00	-3,500	211,067	-8,00	37+0.000				211,347	210,594	0,753	3,500	211,627	8,00	5,400	211,779
-8,763	210,021	-7,900	210,596	-8,00	-3,500	210,948	-8,00	38+0.000				211,228	210,291	0,938	3,500	211,508	8,00	5,400	211,660
-8,806	209,972	-7,900	210,576	-8,00	-3,500	210,928	-8,00	38+3.787	CS			211,208	210,221	0,987	3,500	211,488	8,00	5,400	211,640
-8,797	210,153	-7,900	210,751	-4,76	-3,500	210,960	-4,76	39+0.000		PTV		211,127	209,957	1,170	3,500	211,293	4,76	5,400	211,384
-9,812	209,522	-7,900	210,797	-3,00	-3,500	210,929	-3,00	40+0.000				211,034	209,658	1,376	3,500	211,061	0,76	5,400	211,075
-9,879	209,461	-7,900	210,780	-3,00	-3,500	210,912	-3,00	40+3.787	ST			211,017	209,615	1,402	3,500	211,017	0,00	5,400	211,017
-10,109	209,233	-7,900	210,705	-3,00	-3,500	210,837	-3,00	41+0.000				210,942	209,452	1,490	3,500	210,837	-3,00	5,400	210,780
-10,491	208,886	-7,900	210,613	-3,00	-3,500	210,745	-3,00	42+0.000				210,850	209,251	1,599	3,500	210,745	-3,00	5,400	210,688
-10,473	208,805	-7,900	210,520	-3,00	-3,500	210,652	-3,00	43+0.000				210,757	209,099	1,658	3,500	210,652	-3,00	5,400	210,595
-10,401	208,760	-7,900	210,428	-3,00	-3,500	210,560	-3,00	44+0.000				210,665	208,985	1,680	3,500	210,560	-3,00	5,400	210,503
-9,929	208,982	-7,900	210,335	-3,00	-3,500	210,467	-3,00	45+0.000				210,572	209,191	1,381	3,500	210,467	-3,00	5,400	210,410
-9,536	209,152	-7,900	210,243	-3,00	-3,500	210,375	-3,00	46+0.000				210,480	209,167	1,313	3,500	210,375	-3,00	5,400	210,318
-9,502	209,083	-7,900	210,151	-3,00	-3,500	210,283	-3,00	47+0.000				210,388	209,164	1,224	3,500	210,283	-3,00	5,400	210,226
-9,659	208,886	-7,900	210,058	-3,00	-3,500	210,190	-3,00	48+0.000				210,295	209,108	1,187	3,500	210,190	-3,00	5,400	210,133
-9,748	208,734	-7,900	209,966	-3,00	-3,500	210,098	-3,00	49+0.000				210,203	208,970	1,232	3,500	210,098	-3,00	5,400	210,041
-9,741	208,646	-7,900	209,873	-3,00	-3,500	210,005	-3,00	50+0.000				210,110	208,854	1,257	3,500	210,005	-3,00	5,400	209,948
-9,579	208,661	-7,900	209,781	-3,00	-3,500	209,913	-3,00	51+0.000				210,018	208,850	1,167	3,500	209,913	-3,00	5,400	209,856
-9,158	208,850	-7,900	209,688	-3,00	-3,500	209,820	-3,00	52+0.000				209,925	208,837	1,089	3,500	209,820	-3,00	5,400	209,763
-8,857	208,958	-7,900	209,596	-3,00	-3,500	209,728	-3,00	53+0.000		PCV		209,833	208,930	0,903	3,500	209,728	-3,00	5,400	209,671
-8,671	209,123	-7,900	209,465	-3,00	-3,500	209,597	-3,00	54+0.000				209,702	208,829	0,873	3,500	209,597	-3,00	5,400	209,540
-8,729	208,973	-7,900	209,257	-3,00	-3,500	209,389	-3,00	55+0.000				209,494	208,799	0,695	3,500	209,389	-3,00	5,400	209,332
-8,964	208,922	-7,900	208,971	-3,00	-3,500	209,103	-3,00	56+0.000				209,208	208,556	0,653	3,500	209,103	-3,00	5,400	209,046
-9,060	208,656	-7,900	208,609	-3,00	-3,500	208,741	-3,00	57+0.000				208,846	208,234	0,612	3,500	208,741	-3,00	5,400	208,684
-9,141	208,297	-7,900	208,169	-3,00	-3,500	208,301	-3,00	58+0.000				208,406	208,150	0,256	3,500	208,301	-3,00	5,400	208,244
-9,084	207,724	-7,900	207,652	-3,00	-3,500	207,784	-3,00	59+0.000		PTV		207,889	207,860	0,029	3,500	207,784	-3,00	5,400	207,727
-9,220	207,303	-7,900	207,096	-3,00	-3,500	207,228	-3,00	60+0.000				207,333	206,989	0,345	3,500	207,228	-3,00	5,400	207,171
-9,159	206,687	-7,900	206,541	-3,00	-3,500	206,673	-3,00	61+0.000				206,778	206,455	0,323	3,500	206,673	-3,00	5,400	206,616
-9,079	206,052	-7,900	205,985	-3,00	-3,500	206,117	-3,00	62+0.000				206,222	205,975	0,247	3,500	206,117	-3,00	5,400	206,060

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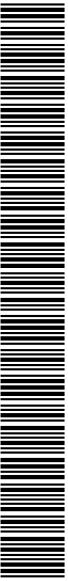


SINFRA-PRO-2025/15686



Nota de Serviço de Pavimentação																			
MT 469 0+0.000 760+10.000																			
Lado Esquerdo								Eixo											
Offset				Fim da Ciclofaixa				Pista				Estaca				Pontos Notáveis da Geometria Horizontal			
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-9,134	205,551	-7,900	205,430	-3,00	-3,500	205,562	-3,00	63+0.000				PCV	205,667	205,347	0.319	3,500	205,562	-3,00	5,400
-8,931	204,835	-7,900	204,917	-3,00	-3,500	205,049	-3,00	64+0.000					205,154	204,468	0.686	3,500	205,049	-3,00	5,400
-8,640	203,996	-7,900	204,489	-3,00	-3,500	204,621	-3,00	65+0.000					204,726	203,557	1.168	3,500	204,621	-3,00	5,400
-9,964	202,770	-7,900	204,146	-3,00	-3,500	204,278	-3,00	66+0.000					204,383	202,875	1.508	3,500	204,278	-3,00	5,400
-10,269	202,309	-7,900	203,888	-3,00	-3,500	204,020	-3,00	67+0.000					204,125	202,316	1.809	3,500	204,020	-3,00	5,400
-12,186	200,858	-7,900	203,716	-3,00	-3,500	203,848	-3,00	68+0.000					203,953	203,007	0.946	3,500	203,848	-3,00	5,400
-12,056	200,858	-7,900	203,628	-3,00	-3,500	203,760	-3,00	69+0.000				PTV	203,865	198,625	5.240	3,500	203,760	-3,00	5,400
-12,759	200,344	-7,900	203,583	-3,00	-3,500	203,715	-3,00	70+0.000				PCV	203,820	200,022	3.798	3,500	203,715	-3,00	5,400
-12,424	200,574	-7,900	203,590	-3,00	-3,500	203,722	-3,00	71+0.000					203,827	200,918	2.909	3,500	203,722	-3,00	5,400
-10,535	201,943	-7,900	203,699	-3,00	-3,500	203,831	-3,00	72+0.000					203,936	201,526	2.411	3,500	203,831	-3,00	5,400
-9,603	202,777	-7,900	203,912	-3,00	-3,500	204,044	-3,00	73+0.000					204,149	202,725	1.425	3,500	204,044	-3,00	5,400
-9,576	202,970	-7,900	204,087	-3,00	-3,500	204,219	-3,00	73+11.863				PC	204,324	203,280	1.045	3,500	204,219	-3,00	5,400
-9,395	203,232	-7,900	204,229	-3,00	-3,500	204,361	-3,00	74+0.000				PCV	204,466	203,463	1.002	3,500	204,361	-3,00	5,400
-9,395	203,232	-7,900	204,375	-3,00	-3,500	204,507	-3,00	74+8.065					204,612	203,648	0.964	3,500	204,507	-3,00	5,400
-9,395	203,232	-7,900	204,586	-3,00	-3,500	204,718	-3,00	75+0.000					204,823	203,976	0.847	3,500	204,718	-3,00	5,400
-9,395	203,232	-7,900	204,659	-3,00	-3,500	204,791	-3,00	75+4.268				PT	204,896	204,109	0.787	3,500	204,791	-3,00	5,400
-9,395	203,232	-7,900	204,922	-3,00	-3,500	205,054	-3,00	76+0.000					205,159	204,829	0.330	3,500	205,054	-3,00	5,400
-8,627	204,753	-7,900	205,238	-3,00	-3,500	205,370	-3,00	77+0.000					205,475	205,031	0.444	3,500	205,370	-3,00	5,400
-8,741	205,262	-7,900	205,533	-3,00	-3,500	205,665	-3,00	78+0.000					205,770	205,612	0.158	3,500	205,665	-3,00	5,400
-8,778	205,573	-7,900	205,808	-3,00	-3,500	205,940	-3,00	79+0.000					206,045	205,934	0.110	3,500	205,940	-3,00	5,400
-8,791	205,840	-7,900	206,061	-3,00	-3,500	206,193	-3,00	80+0.000				PTV	206,298	206,274	0.024	3,500	206,193	-3,00	5,400
-8,867	206,158	-7,900	206,304	-3,00	-3,500	206,436	-3,00	81+0.000					206,541	206,499	0.042	3,500	206,436	-3,00	5,400
-8,958	206,493	-7,900	206,547	-3,00	-3,500	206,679	-3,00	82+0.000					206,784	206,782	0.003	3,500	206,679	-3,00	5,400
-8,750	206,528	-7,900	206,790	-3,00	-3,500	206,922	-3,00	83+0.000					207,027	206,958	0.069	3,500	206,922	-3,00	5,400
-8,661	206,682	-7,900	207,034	-3,00	-3,500	207,166	-3,00	84+0.000				PCV	207,271	207,259	0.011	3,500	207,166	-3,00	5,400
-8,661	206,682	-7,900	207,260	-3,00	-3,500	207,392	-3,00	85+0.000					207,497	207,499	-0.002	3,500	207,392	-3,00	5,400
-8,764	206,876	-7,900	207,452	-3,00	-3,500	207,584	-3,00	86+0.000					207,689	207,301	0.388	3,500	207,584	-3,00	5,400
-9,093	206,815	-7,900	207,611	-3,00	-3,500	207,743	-3,00	87+0.000					207,848	207,097	0.750	3,500	207,743	-3,00	5,400
-9,466	206,691	-7,900	207,735	-3,00	-3,500	207,867	-3,00	88+0.000					207,972	207,223	0.749	3,500	207,867	-3,00	5,400
-9,752	206,592	-7,900	207,826	-3,00	-3,500	207,958	-3,00	89+0.000					208,063	207,185	0.878	3,500	207,958	-3,00	5,400
-9,947	206,518	-7,900	207,883	-3,00	-3,500	208,015	-3,00	90+0.000				PTV	208,120	207,107	1.013	3,500	208,015	-3,00	5,400
-10,061	206,482	-7,900	207,923	-3,00	-3,500	208,055	-3,00	91+0.000					208,160	207,114	1.046	3,500	208,055	-3,00	5,400

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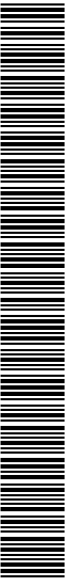


SINFRA-PRO-2025/15686



Nota de Serviço de Pavimentação																					
MT 469 0+0.000 760+10.000																					
Lado Esquerdo								Eixo													
Offset		Fim da Ciclofaixa			Pista			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Pista			Fim do Acostamento			Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-9,928	206,611	-7,900	207,963	-3.00	-3,500	208,095	-3.00	92+0.000			208,200	207,108	1,092	3,500	208,095	-3.00	5,400	208,038	-3.00	6,323	207,422
-10,337	206,379	-7,900	208,003	-3.00	-3,500	208,135	-3.00	93+0.000			208,240	207,027	1,213	3,500	208,135	-3.00	5,400	208,078	-3.00	6,304	207,475
-10,477	206,325	-7,900	208,043	-3.00	-3,500	208,175	-3.00	94+0.000			208,280	206,878	1,402	3,500	208,175	-3.00	5,400	208,118	-3.00	6,583	207,329
-10,290	206,490	-7,900	208,083	-3.00	-3,500	208,215	-3.00	95+0.000			208,320	207,077	1,243	3,500	208,215	-3.00	5,400	208,158	-3.00	6,547	207,393
-9,918	206,778	-7,900	208,123	-3.00	-3,500	208,255	-3.00	96+0.000			208,360	207,208	1,152	3,500	208,255	-3.00	5,400	208,198	-3.00	6,645	207,368
-9,628	207,011	-7,900	208,163	-3.00	-3,500	208,295	-3.00	97+0.000			208,400	207,206	1,194	3,500	208,295	-3.00	5,400	208,238	-3.00	6,629	207,418
-9,664	207,027	-7,900	208,203	-3.00	-3,500	208,335	-3.00	98+0.000			208,440	207,326	1,114	3,500	208,335	-3.00	5,400	208,278	-3.00	6,436	207,587
-9,735	207,020	-7,900	208,243	-3.00	-3,500	208,375	-3.00	99+0.000			208,480	207,356	1,124	3,500	208,375	-3.00	5,400	208,318	-3.00	6,244	207,755
-9,519	207,203	-7,900	208,283	-3.00	-3,500	208,415	-3.00	100+0.000			208,520	207,587	0,933	3,500	208,415	-3.00	5,400	208,358	-3.00	6,360	207,718
-9,349	207,357	-7,900	208,323	-3.00	-3,500	208,455	-3.00	101+0.000			208,560	207,684	0,876	3,500	208,455	-3.00	5,400	208,398	-3.00	6,360	207,718
-9,300	207,429	-7,900	208,363	-3.00	-3,500	208,495	-3.00	102+0.000			208,600	207,698	0,902	3,500	208,495	-3.00	5,400	208,438	-3.00	6,096	207,974
-9,219	207,523	-7,900	208,403	-3.00	-3,500	208,535	-3.00	103+0.000			208,640	208,042	0,598	3,500	208,535	-3.00	5,400	208,478	-3.00	6,090	208,055
-9,238	207,551	-7,900	208,443	-3.00	-3,500	208,575	-3.00	104+0.000			208,680	207,903	0,777	3,500	208,575	-3.00	5,400	208,518	-3.00	6,090	208,055
-9,027	207,732	-7,900	208,483	-3.00	-3,500	208,615	-3.00	105+0.000			208,720	208,086	0,634	3,500	208,615	-3.00	5,400	208,558	-3.00	6,164	208,209
-8,821	207,909	-7,900	208,523	-3.00	-3,500	208,655	-3.00	106+0.000			208,760	208,064	0,696	3,500	208,655	-3.00	5,400	208,598	-3.00	6,133	208,219
-8,595	208,146	-7,900	208,563	-3.00	-3,500	208,695	-3.00	107+0.000		PCV	208,800	208,253	0,547	3,500	208,695	-3.00	5,400	208,638	-3.00	6,497	208,623
-8,801	208,351	-7,900	208,562	-3.00	-3,500	208,694	-3.00	108+0.000			208,799	208,392	0,408	3,500	208,694	-3.00	5,400	208,637	-3.00	6,476	208,601
-8,965	208,433	-7,900	208,480	-3.00	-3,500	208,612	-3.00	108+20.000	TS		208,717	208,526	0,192	3,500	208,717	0.00	5,400	208,717	0.00	6,436	208,691
-9,257	208,465	-7,900	208,238	-4.00	-3,500	208,414	-4.00	110+0.000			208,554	208,628	-0,074	3,500	208,694	4.00	5,400	208,770	4.00	6,294	208,662
-9,690	208,260	-7,900	207,678	-8.00	-3,500	208,030	-8.00	110+20.000	SC		208,310	208,533	-0,224	3,500	208,590	8.00	5,400	208,742	8.00	6,050	208,443
-9,854	208,099	-7,900	207,352	-8.00	-3,500	207,704	-8.00	112+0.000			207,984	208,255	-0,271	3,500	208,264	8.00	5,400	208,416	8.00	6,146	208,214
-9,889	207,726	-7,900	206,945	-8.00	-3,500	207,297	-8.00	113+0.000			207,577	208,069	-0,492	3,500	207,857	8.00	5,400	208,009	8.00	6,521	208,181
-9,899	207,248	-7,900	206,457	-8.00	-3,500	206,809	-8.00	114+0.000			207,089	207,575	-0,486	3,500	207,369	8.00	5,400	207,521	8.00	6,554	207,726
-9,869	206,649	-7,900	205,887	-8.00	-3,500	206,239	-8.00	115+0.000			206,519	206,948	-0,429	3,500	206,799	8.00	5,400	206,951	8.00	6,355	206,958
-9,941	206,106	-7,900	205,272	-8.00	-3,500	205,624	-8.00	115+18.967			205,904	206,316	-0,412	3,500	206,184	8.00	5,400	206,336	8.00	6,069	205,890
-9,949	206,078	-7,900	205,236	-8.00	-3,500	205,588	-8.00	116+0.000		PTV	205,868	206,267	-0,399	3,500	206,148	8.00	5,400	206,300	8.00	6,044	205,871
-9,949	205,346	-7,900	204,504	-8.00	-3,500	204,856	-8.00	117+0.000		PCV	205,136	205,262	-0,125	3,500	205,416	8.00	5,400	205,568	8.00	6,044	205,139
-9,699	204,323	-7,900	203,732	-8.00	-3,500	204,084	-8.00	118+0.000		PCV	204,364	203,813	0,551	3,500	204,644	8.00	5,400	204,796	8.00	6,125	204,312
-8,793	202,702	-7,900	203,017	-8.00	-3,500	203,369	-8.00	119+0.000			203,649	202,354	1,295	3,500	203,929	8.00	5,400	204,081	8.00	9,277	201,496
-9,590	201,290	-7,900	202,417	-8.00	-3,500	202,769	-8.00	120+0.000			203,049	201,300	1,749	3,500	203,329	8.00	5,400	203,481	8.00	9,226	200,930
-10,240	200,417	-7,900	201,977	-8.00	-3,500	202,329	-8.00	120+17.934	CS		202,609	199,910	2,698	3,500	202,889	8.00	5,400	203,041	8.00	10,551	199,606
-10,344	200,335	-7,900	201,965	-7.59	-3,500	202,298	-7.59	121+0.000			202,564	199,928	2,636	3,500	202,829	7.59	5,400	202,974	7.59	10,607	199,502

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SINFRA-PRO-2025/15686



Nota de Serviço de Pavimentação																			
MT 469 0+0.000 760+10.000																			
Lado Esquerdo								Eixo											
Offset				Fim da Ciclofaixa				Pista				Estaca				Pontos Notáveis da Geometria Horizontal			
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)
-11,109	199,772	-7,900	201,911	-3.59	-3,500	202,069	-3.59	122+0.000				202,194	200,662	1,532	3,500	202,320	3.59	5,400	202,388
-12,319	198,778	-7,900	201,724	-3.00	-3,500	201,856	-3.00	122+17.934	ST			201,961	200,715	1,246	3,500	201,961	0.00	5,400	201,961
-10,466	199,992	-7,900	201,703	-3.00	-3,500	201,835	-3.00	123+0.000				201,940	200,648	1,292	3,500	201,926	-0.41	5,400	201,918
-10,587	199,773	-7,900	201,564	-3.00	-3,500	201,696	-3.00	124+0.000				201,801	200,417	1,384	3,500	201,696	-3.00	5,400	201,639
-10,817	199,596	-7,900	201,540	-3.00	-3,500	201,672	-3.00	125+0.000				201,777	200,060	1,718	3,500	201,672	-3.00	5,400	201,615
-9,849	200,333	-7,900	201,632	-3.00	-3,500	201,764	-3.00	126+0.000				201,869	200,660	1,208	3,500	201,764	-3.00	5,400	201,707
-8,715	201,573	-7,900	201,865	-2.67	-3,500	201,982	-2.67	127+0.000				202,075	201,067	1,008	3,500	201,970	-3.00	5,400	201,913
-8,627	201,912	-7,900	202,397	0.00	-3,500	202,397	0.00	127+20.000	TS	PTV		202,397	201,259	1,138	3,500	202,292	-3.00	5,400	202,235
-8,653	202,486	-7,900	202,987	2.67	-3,500	202,870	2.67	129+0.000				202,777	201,845	0,932	3,500	202,672	-3.00	5,400	202,615
-9,134	202,755	-7,900	203,578	5.33	-3,500	203,343	5.33	130+0.000				203,156	202,234	0,922	3,500	202,970	-5.33	5,400	202,868
-10,028	202,749	-7,900	204,168	8.00	-3,500	203,816	8.00	130+20.000	SC			203,536	202,298	1,238	3,500	203,256	-8.00	5,400	203,104
-10,015	203,137	-7,900	204,547	8.00	-3,500	204,195	8.00	132+0.000				203,915	202,325	1,590	3,500	203,635	-8.00	5,400	203,483
-10,098	203,462	-7,900	204,927	8.00	-3,500	204,575	8.00	133+0.000		PCV		204,295	202,691	1,604	3,500	204,015	-8.00	5,400	203,863
-10,115	203,610	-7,900	205,087	8.00	-3,500	204,735	8.00	133+8.415				204,455	202,868	1,587	3,500	204,175	-8.00	5,400	204,023
-10,020	203,895	-7,900	205,309	8.00	-3,500	204,957	8.00	134+0.000				204,677	203,049	1,628	3,500	204,397	-8.00	5,400	204,245
-10,294	204,101	-7,900	205,697	8.00	-3,500	205,345	8.00	135+0.000				205,065	203,713	1,352	3,500	204,785	-8.00	5,400	204,633
-10,450	204,328	-7,900	206,028	8.00	-3,500	205,676	8.00	135+16.830	CS			205,396	204,272	1,124	3,500	205,116	-8.00	5,400	204,964
-10,474	204,342	-7,900	206,058	7.58	-3,500	205,725	7.58	136+0.000				205,459	204,343	1,117	3,500	205,194	-7.58	5,400	205,050
-10,368	204,602	-7,900	206,247	4.91	-3,500	206,031	4.91	137+0.000				205,859	204,641	1,218	3,500	205,687	-4.91	5,400	205,594
-9,766	205,198	-7,900	206,442	2.24	-3,500	206,344	2.24	138+0.000				206,265	204,991	1,274	3,500	206,160	-3.00	5,400	206,103
-9,471	205,564	-7,900	206,611	0.00	-3,500	206,611	0.00	138+16.830	ST			206,611	205,308	1,303	3,500	206,506	-3.00	5,400	206,449
-9,428	205,624	-7,900	206,643	-0.42	-3,500	206,662	-0.42	139+0.000		PTV		206,677	205,350	1,327	3,500	206,572	-3.00	5,400	206,515
-8,848	206,223	-7,900	206,854	-3.00	-3,500	206,986	-3.00	140+0.000				207,091	205,562	1,529	3,500	206,986	-3.00	5,400	206,929
-8,628	206,784	-7,900	207,269	-3.00	-3,500	207,401	-3.00	140+20.000	TS	PCV		207,506	205,937	1,569	3,500	207,506	0.00	5,400	207,506
-8,923	207,493	-7,900	207,599	-3.95	-3,500	207,773	-3.95	142+0.000				207,912	206,871	1,040	3,500	208,050	3.95	5,400	208,125
-9,378	207,947	-7,900	207,675	-7.90	-3,500	208,022	-7.90	142+20.000	SC			208,299	207,448	0,851	3,500	208,575	7.90	5,400	208,725
-9,737	208,676	-7,900	208,044	-7.90	-3,500	208,392	-7.90	144+0.000				208,668	207,903	0,765	3,500	208,945	7.90	5,400	209,095
-9,753	209,043	-7,900	208,395	-7.90	-3,500	208,743	-7.90	145+0.000		PTV		209,019	208,327	0,692	3,500	209,296	7.90	5,400	209,446
-9,819	209,450	-7,900	208,737	-7.90	-3,500	209,084	-7.90	146+0.000				209,361	208,601	0,760	3,500	209,637	7.90	5,400	209,788
-9,626	209,600	-7,900	209,079	-7.90	-3,500	209,426	-7.90	147+0.000				209,703	209,154	0,549	3,500	209,979	7.90	5,400	210,130
-9,628	209,666	-7,900	209,144	-7.90	-3,500	209,491	-7.90	147+3.793				209,768	209,206	0,562	3,500	210,044	7.90	5,400	210,194
-9,510	209,826	-7,900	209,421	-7.90	-3,500	209,768	-7.90	148+0.000				210,045	209,447	0,598	3,500	210,321	7.90	5,400	210,471

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SINFRA-PRO-2025/15686



Nota de Serviço de Pavimentação																			
MT 469 0+0.000 760+10.000																			
Lado Esquerdo								Eixo											
Offset				Fim da Ciclofaixa				Pista				Estaca				Pontos Notáveis da Geometria Horizontal			
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)
-9,503	210,160	-7,900	209,763	-7,90	-3,500	210,110	-7,90	149+0.000				PCV	210,387	209,655	0,732	3,500	210,663	7,90	5,400
-9,349	210,349	-7,900	210,105	-7,90	-3,500	210,452	-7,90	150+0.000				PCV	210,729	209,853	0,876	3,500	211,005	7,90	5,400
-9,194	210,539	-7,900	210,450	-7,90	-3,500	210,797	-7,90	151+0.000					211,074	210,179	0,895	3,500	211,350	7,90	5,400
-9,079	210,555	-7,900	210,582	-7,90	-3,500	210,930	-7,90	151+7.586		CS			211,206	210,335	0,871	3,500	211,483	7,90	5,400
-8,792	210,729	-7,900	210,994	-5,45	-3,500	211,234	-5,45	152+0.000					211,425	210,540	0,884	3,500	211,615	5,45	5,400
-8,646	211,047	-7,900	211,545	-3,00	-3,500	211,677	-3,00	153+0.000					211,782	210,755	1,027	3,500	211,834	1,50	5,400
-8,629	211,195	-7,900	211,682	-3,00	-3,500	211,814	-3,00	153+7.586		ST			211,919	210,829	1,090	3,500	211,919	0,00	5,400
-8,785	211,318	-7,900	211,908	-3,00	-3,500	212,040	-3,00	154+0.000					212,145	210,937	1,208	3,500	212,059	-2,45	5,400
-8,858	211,638	-7,900	212,277	-3,00	-3,500	212,409	-3,00	155+0.000				PTV	212,514	211,198	1,315	3,500	212,409	-3,00	5,400
-8,917	211,974	-7,900	212,652	-3,00	-3,500	212,784	-3,00	156+0.000				PTV	212,889	211,655	1,234	3,500	212,784	-3,00	5,400
-9,017	212,286	-7,900	213,030	-3,00	-3,500	213,162	-3,00	157+0.000					213,267	212,226	1,041	3,500	213,162	-3,00	5,400
-9,032	212,654	-7,900	213,408	-3,00	-3,500	213,540	-3,00	158+0.000					213,645	212,428	1,217	3,500	213,540	-3,00	5,400
-8,813	213,178	-7,900	213,786	-3,00	-3,500	213,918	-3,00	159+0.000					214,023	212,585	1,438	3,500	213,918	-3,00	5,400
-9,129	213,345	-7,900	214,164	-3,00	-3,500	214,296	-3,00	160+0.000					214,401	213,136	1,266	3,500	214,296	-3,00	5,400
-9,277	213,624	-7,900	214,542	-3,00	-3,500	214,674	-3,00	161+0.000					214,779	213,289	1,490	3,500	214,674	-3,00	5,400
-9,108	214,115	-7,900	214,921	-3,00	-3,500	215,053	-3,00	162+0.000				PCV	215,158	213,917	1,240	3,500	215,053	-3,00	5,400
-9,117	214,487	-7,900	215,298	-3,00	-3,500	215,430	-3,00	163+0.000					215,535	214,466	1,069	3,500	215,430	-3,00	5,400
-8,974	214,958	-7,900	215,673	-3,00	-3,500	215,805	-3,00	164+0.000					215,910	214,955	0,956	3,500	215,805	-3,00	5,400
-9,262	215,139	-7,900	216,047	-3,00	-3,500	216,179	-3,00	165+0.000					216,284	215,292	0,992	3,500	216,179	-3,00	5,400
-9,621	215,272	-7,900	216,419	-3,00	-3,500	216,551	-3,00	166+0.000					216,656	215,431	1,226	3,500	216,551	-3,00	5,400
-9,942	215,429	-7,900	216,790	-3,00	-3,500	216,922	-3,00	167+0.000					217,027	215,696	1,331	3,500	216,922	-3,00	5,400
-9,912	215,818	-7,900	217,159	-3,00	-3,500	217,291	-3,00	168+0.000				PTV	217,396	215,904	1,492	3,500	217,291	-3,00	5,400
-9,365	216,550	-7,900	217,527	-3,00	-3,500	217,659	-3,00	169+0.000					217,764	216,235	1,528	3,500	217,659	-3,00	5,400
-9,535	216,804	-7,900	217,894	-3,00	-3,500	218,026	-3,00	170+0.000					218,131	217,096	1,035	3,500	218,026	-3,00	5,400
-9,139	217,437	-7,900	218,262	-3,00	-3,500	218,394	-3,00	171+0.000					218,499	217,019	1,480	3,500	218,394	-3,00	5,400
-9,066	217,853	-7,900	218,630	-3,00	-3,500	218,762	-3,00	172+0.000					218,867	218,345	0,523	3,500	218,762	-3,00	5,400
-8,785	218,409	-7,900	218,998	-3,00	-3,500	219,130	-3,00	173+0.000				PCV	219,235	218,293	0,943	3,500	219,130	-3,00	5,400
-8,933	218,670	-7,900	219,358	-3,00	-3,500	219,490	-3,00	174+0.000					219,595	218,588	1,007	3,500	219,490	-3,00	5,400
-8,951	219,002	-7,900	219,702	-3,00	-3,500	219,834	-3,00	175+0.000					219,939	218,898	1,041	3,500	219,834	-3,00	5,400
-8,806	219,427	-7,900	220,031	-3,00	-3,500	220,163	-3,00	176+0.000					220,268	219,267	1,000	3,500	220,163	-3,00	5,400
-8,854	219,707	-7,900	220,343	-3,00	-3,500	220,475	-3,00	177+0.000					220,580	219,369	1,211	3,500	220,475	-3,00	5,400
-8,668	220,127	-7,900	220,640	-3,00	-3,500	220,772	-3,00	178+0.000					220,877	219,680	1,197	3,500	220,772	-3,00	5,400

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 ARAUJO em 12/09/2025. Juntado em 16/09/2025 09:07:15 por AMANDA ARAUJO.

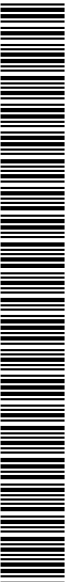


SINFRA-PRO-2025/15686



Nota de Serviço de Pavimentação																					
MT 469 0+0.000 760+10.000																					
Lado Esquerdo								Eixo													
Offset		Fim da Ciclofaixa			Pista			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Pista			Fim do Acostamento			Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-8,738	220,646	-7,900	220,921	-3,00	-3,500	221,053	-3,00	179+0.000			221,158	220,441	0.717	3,500	221,053	-3,00	5,400	220,996	-3,00	8,830	223,313
-8,768	220,941	-7,900	221,185	-3,00	-3,500	221,317	-3,00	180+0.000			221,422	220,854	0.568	3,500	221,317	-3,00	5,400	221,260	-3,00	7,085	221,833
-8,848	221,270	-7,900	221,435	-3,00	-3,500	221,567	-3,00	181+0.000			221,672	221,404	0.267	3,500	221,567	-3,00	5,400	221,510	-3,00	7,226	222,223
-8,867	221,522	-7,900	221,668	-3,00	-3,500	221,800	-3,00	182+0.000			221,905	221,766	0.139	3,500	221,800	-3,00	5,400	221,743	-3,00	6,942	222,173
-8,914	221,209	-7,900	221,885	-3,00	-3,500	222,017	-3,00	183+0.000		PTV	222,122	221,599	0.523	3,500	222,017	-3,00	5,400	221,960	-3,00	8,409	223,856
-8,594	221,676	-7,900	222,095	-3,00	-3,500	222,227	-3,00	184+0.000			222,332	221,617	0.715	3,500	222,227	-3,00	5,400	222,170	-3,00	6,862	222,519
-8,961	221,597	-7,900	222,304	-3,00	-3,500	222,436	-3,00	185+0.000		PCV	222,541	221,639	0.902	3,500	222,436	-3,00	5,400	222,379	-3,00	6,385	222,252
-8,975	221,795	-7,900	222,511	-3,00	-3,500	222,643	-3,00	186+0.000			222,748	221,763	0.985	3,500	222,643	-3,00	5,400	222,586	-3,00	6,741	222,815
-9,343	221,752	-7,900	222,714	-3,00	-3,500	222,846	-3,00	187+0.000			222,951	222,134	0.817	3,500	222,846	-3,00	5,400	222,789	-3,00	6,351	222,627
-8,980	222,192	-7,900	222,913	-3,00	-3,500	223,045	-3,00	188+0.000			223,150	222,230	0.919	3,500	223,045	-3,00	5,400	222,988	-3,00	6,258	222,733
-8,721	222,559	-7,900	223,107	-3,00	-3,500	223,239	-3,00	189+0.000			223,344	222,300	1,044	3,500	223,239	-3,00	5,400	223,182	-3,00	6,272	222,941
-9,318	222,351	-7,900	223,296	-3,00	-3,500	223,428	-3,00	190+0.000			223,533	222,409	1,125	3,500	223,428	-3,00	5,400	223,371	-3,00	6,301	223,160
-8,817	222,870	-7,900	223,482	-3,00	-3,500	223,614	-3,00	191+0.000		PTV	223,719	223,154	0.565	3,500	223,614	-3,00	5,400	223,557	-3,00	6,591	223,635
-8,826	223,047	-7,900	223,665	-3,00	-3,500	223,797	-3,00	192+0.000			223,902	223,439	0.463	3,500	223,797	-3,00	5,400	223,740	-3,00	6,911	224,138
-9,156	223,010	-7,900	223,848	-3,00	-3,500	223,980	-3,00	193+0.000			224,085	223,081	1,003	3,500	223,980	-3,00	5,400	223,923	-3,00	6,549	223,959
-9,099	223,232	-7,900	224,031	-3,00	-3,500	224,163	-3,00	194+0.000			224,268	223,241	1,027	3,500	224,163	-3,00	5,400	224,106	-3,00	6,233	223,826
-8,967	223,503	-7,900	224,214	-3,00	-3,500	224,346	-3,00	195+0.000		PCV	224,451	223,351	1,100	3,500	224,346	-3,00	5,400	224,289	-3,00	6,378	224,154
-9,121	223,560	-7,900	224,374	-3,00	-3,500	224,506	-3,00	196+0.000			224,611	223,299	1,312	3,500	224,506	-3,00	5,400	224,449	-3,00	6,518	223,704
-9,379	223,504	-7,900	224,489	-3,00	-3,500	224,621	-3,00	197+0.000			224,726	223,591	1,135	3,500	224,621	-3,00	5,400	224,564	-3,00	6,280	224,332
-8,644	224,191	-7,900	224,559	-3,00	-3,500	224,691	-3,00	198+0.000			224,796	224,233	0.563	3,500	224,691	-3,00	5,400	224,634	-3,00	6,555	224,676
-9,324	223,634	-7,900	224,583	-3,00	-3,500	224,715	-3,00	199+0.000			224,820	224,204	0.616	3,500	224,715	-3,00	5,400	224,658	-3,00	6,487	224,632
-9,603	223,531	-7,900	224,667	-1,68	-3,500	224,740	-1,68	200+0.000			224,799	224,292	0.507	3,500	224,694	-3,00	5,400	224,637	-3,00	6,331	224,456
-8,877	224,116	-7,900	224,767	0,00	-3,500	224,767	0,00	200+11.389	TS		224,767	224,201	0.566	3,500	224,662	-3,00	5,400	224,605	-3,00	6,303	224,396
-8,760	224,260	-7,900	224,833	1,27	-3,500	224,777	1,27	201+0.000		PTV	224,733	224,063	0.670	3,500	224,628	-3,00	5,400	224,571	-3,00	6,328	224,387
-11,397	222,646	-7,900	224,977	4,22	-3,500	224,792	4,22	202+0.000			224,644	223,885	0.758	3,500	224,496	-4,22	5,400	224,416	-4,22	6,609	224,491
-11,519	222,647	-7,900	225,059	5,90	-3,500	224,800	5,90	202+11.389	SC		224,593	224,027	0.566	3,500	224,387	-5,90	5,400	224,275	-5,90	6,757	224,466
-10,715	223,144	-7,900	225,021	5,90	-3,500	224,761	5,90	203+0.000			224,555	224,112	0.443	3,500	224,348	-5,90	5,400	224,236	-5,90	6,811	224,481
-10,239	223,373	-7,900	224,932	5,90	-3,500	224,672	5,90	204+0.000		PCV	224,466	224,081	0.385	3,500	224,259	-5,90	5,400	224,147	-5,90	6,981	224,563
-10,896	222,901	-7,900	224,898	5,90	-3,500	224,639	5,90	204+7.140			224,432	224,263	0.169	3,500	224,226	-5,90	5,400	224,113	-5,90	7,084	224,632
-10,586	223,036	-7,900	224,827	5,90	-3,500	224,567	5,90	205+0.000			224,361	224,254	0.107	3,500	224,154	-5,90	5,400	224,042	-5,90	7,256	224,732
-9,413	223,682	-7,900	224,690	5,90	-3,500	224,431	5,90	206+0.000			224,224	223,448	0.776	3,500	224,018	-5,90	5,400	223,906	-5,90	6,759	224,099
-9,556	223,564	-7,900	224,668	5,90	-3,500	224,408	5,90	206+2.892	CS		224,202	223,457	0.745	3,500	223,995	-5,90	5,400	223,883	-5,90	6,584	223,902

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Nota de Serviço de Pavimentação																					
MT 469 0+0.000 760+10.000																					
Lado Esquerdo								Eixo													
Offset		Fim da Ciclofaixa			Pista			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Pista			Fim do Acostamento			Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-10,000	222,922	-7,900	224,322	3.38	-3,500	224,174	3.38	207+0.000			224,056	223,144	0.912	3,500	223,937	-3.38	5,400	223,873	-3.38	6,268	223,622
-10,526	222,138	-7,900	223,889	0.43	-3,500	223,870	0.43	208+0.000			223,855	223,389	0.466	3,500	223,750	-3.00	5,400	223,693	-3.00	6,245	223,426
-10,500	222,090	-7,900	223,824	0.00	-3,500	223,824	0.00	208+2.892	ST		223,824	223,634	0.190	3,500	223,719	-3.00	5,400	223,662	-3.00	6,256	223,405
-10,365	221,781	-7,900	223,424	-2.52	-3,500	223,535	-2.52	209+0.000			223,623	222,792	0.831	3,500	223,518	-3.00	5,400	223,461	-3.00	6,099	223,047
-12,211	220,248	-7,900	223,122	-3.00	-3,500	223,254	-3.00	210+0.000		PTV	223,359	221,898	1,461	3,500	223,254	-3.00	5,400	223,197	-3.00	6,640	222,370
-13,767	218,931	-7,900	222,842	-3.00	-3,500	222,974	-3.00	211+0.000			223,079	221,712	1,367	3,500	222,974	-3.00	5,400	222,917	-3.00	6,895	221,921
-12,585	219,439	-7,900	222,562	-3.00	-3,500	222,694	-3.00	212+0.000			222,799	221,640	1,160	3,500	222,694	-3.00	5,400	222,637	-3.00	7,024	221,554
-12,606	219,145	-7,900	222,282	-3.00	-3,500	222,414	-3.00	213+0.000			222,519	220,814	1,706	3,500	222,414	-3.00	5,400	222,357	-3.00	7,201	221,157
-10,871	220,022	-7,900	222,002	-3.00	-3,500	222,134	-3.00	214+0.000			222,239	219,872	2,367	3,500	222,134	-3.00	5,400	222,077	-3.00	7,086	220,953
-9,457	220,684	-7,900	221,722	-3.00	-3,500	221,854	-3.00	215+0.000			221,959	219,707	2,253	3,500	221,854	-3.00	5,400	221,797	-3.00	7,325	220,514
-8,688	221,118	-7,900	221,443	-3.00	-3,500	221,575	-3.00	216+0.000			221,680	220,433	1,247	3,500	221,575	-3.00	5,400	221,518	-3.00	6,916	220,507
-10,261	219,589	-7,900	221,163	-3.00	-3,500	221,295	-3.00	217+0.000			221,400	220,685	0,715	3,500	221,295	-3.00	5,400	221,238	-3.00	6,624	220,421
-10,362	219,242	-7,900	220,883	-3.00	-3,500	221,015	-3.00	218+0.000			221,120	219,964	1,155	3,500	221,015	-3.00	5,400	220,958	-3.00	6,692	220,096
-10,764	218,694	-7,900	220,603	-3.00	-3,500	220,735	-3.00	219+0.000		PCV	220,840	219,383	1,457	3,500	220,735	-3.00	5,400	220,678	-3.00	6,918	219,666
-10,035	218,925	-7,900	220,349	-3.00	-3,500	220,481	-3.00	220+0.000			220,586	219,182	1,404	3,500	220,481	-3.00	5,400	220,424	-3.00	6,129	219,937
-10,742	218,251	-7,900	220,146	-3.00	-3,500	220,278	-3.00	221+0.000			220,383	218,791	1,592	3,500	220,278	-3.00	5,400	220,221	-3.00	7,126	219,070
-10,646	218,164	-7,900	219,995	-3.00	-3,500	220,127	-3.00	222+0.000			220,232	218,640	1,592	3,500	220,127	-3.00	5,400	220,070	-3.00	7,082	218,948
-11,024	217,813	-7,900	219,895	-3.00	-3,500	220,027	-3.00	223+0.000			220,132	219,069	1,063	3,500	220,027	-3.00	5,400	219,970	-3.00	6,807	219,032
-10,752	217,946	-7,900	219,847	-3.00	-3,500	219,979	-3.00	224+0.000			220,084	218,233	1,851	3,500	219,979	-3.00	5,400	219,922	-3.00	6,779	219,003
-11,343	217,555	-7,900	219,851	-3.00	-3,500	219,983	-3.00	225+0.000		PTV	220,088	217,920	2,168	3,500	219,983	-3.00	5,400	219,926	-3.00	6,737	219,034
-11,269	217,634	-7,900	219,880	-3.00	-3,500	220,012	-3.00	226+0.000			220,117	217,939	2,178	3,500	220,012	-3.00	5,400	219,955	-3.00	7,256	218,718
-11,253	217,674	-7,900	219,910	-3.00	-3,500	220,042	-3.00	227+0.000			220,147	218,093	2,054	3,500	220,042	-3.00	5,400	219,985	-3.00	6,954	218,949
-11,137	217,781	-7,900	219,939	-3.00	-3,500	220,071	-3.00	228+0.000		PCV	220,176	217,864	2,311	3,500	220,071	-3.00	5,400	220,014	-3.00	7,437	218,656
-11,409	217,616	-7,900	219,955	-3.00	-3,500	220,087	-3.00	229+0.000			220,192	217,830	2,362	3,500	220,087	-3.00	5,400	220,030	-3.00	7,701	218,496
-11,252	217,711	-7,900	219,946	-3.00	-3,500	220,078	-3.00	230+0.000			220,183	217,905	2,278	3,500	220,078	-3.00	5,400	220,021	-3.00	7,294	218,758
-10,608	218,105	-7,900	219,910	-3.00	-3,500	220,042	-3.00	231+0.000			220,147	218,232	1,915	3,500	220,042	-3.00	5,400	219,985	-3.00	7,457	218,614
-10,217	218,304	-7,900	219,849	-3.00	-3,500	219,981	-3.00	232+0.000			220,086	218,390	1,695	3,500	219,981	-3.00	5,400	219,924	-3.00	7,915	218,247
-10,192	218,233	-7,900	219,761	-3.00	-3,500	219,893	-3.00	233+0.000			219,998	218,388	1,610	3,500	219,893	-3.00	5,400	219,836	-3.00	7,357	218,531
-9,247	218,749	-7,900	219,648	-3.00	-3,500	219,780	-3.00	234+0.000		PTV	219,885	218,685	1,199	3,500	219,780	-3.00	5,400	219,723	-3.00	6,756	218,819
-8,599	219,108	-7,900	219,521	-3.00	-3,500	219,653	-3.00	235+0.000			219,758	218,948	0.810	3,500	219,653	-3.00	5,400	219,596	-3.00	6,330	218,976
-8,828	219,211	-7,900	219,395	-3.00	-3,500	219,527	-3.00	236+0.000			219,632	219,079	0.553	3,500	219,527	-3.00	5,400	219,470	-3.00	6,088	219,046
-8,986	219,242	-7,900	219,269	-3.00	-3,500	219,401	-3.00	237+0.000			219,506	219,082	0.423	3,500	219,401	-3.00	5,400	219,344	-3.00	6,196	219,027

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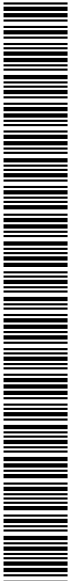
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Nota de Serviço de Pavimentação																					
MT 469 0+0.000 760+10.000																					
Lado Esquerdo								Eixo													
Offset		Fim da Ciclofaixa				Pista		Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Pista			Fim do Acostamento			Offset	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-9,060	219,189	-7,900	219,142	-3.00	-3,500	219,274	-3.00	238+0.000		PCV	219,379	219,030	0.349	3,500	219,274	-3.00	5,400	219,217	-3.00	6,284	218,988
-9,069	219,036	-7,900	218,980	-3.00	-3,500	219,112	-3.00	239+0.000			219,217	218,876	0.341	3,500	219,112	-3.00	5,400	219,055	-3.00	6,213	218,755
-9,123	218,857	-7,900	218,746	-3.00	-3,500	218,878	-3.00	240+0.000			218,983	218,591	0.392	3,500	218,878	-3.00	5,400	218,821	-3.00	6,143	218,451
-9,188	218,617	-7,900	218,441	-3.00	-3,500	218,573	-3.00	241+0.000			218,678	218,309	0.369	3,500	218,573	-3.00	5,400	218,516	-3.00	6,207	218,210
-9,220	218,272	-7,900	218,064	-3.00	-3,500	218,196	-3.00	242+0.000			218,301	218,046	0.255	3,500	218,196	-3.00	5,400	218,139	-3.00	6,303	217,930
-9,310	217,913	-7,900	217,616	-3.00	-3,500	217,748	-3.00	243+0.000			217,853	217,678	0.175	3,500	217,748	-3.00	5,400	217,691	-3.00	6,315	217,493
-9,446	217,530	-7,900	217,096	-3.00	-3,500	217,228	-3.00	244+0.000		PTV	217,333	217,171	0.162	3,500	217,228	-3.00	5,400	217,171	-3.00	6,423	217,082
-9,509	217,037	-7,900	216,541	-3.00	-3,500	216,673	-3.00	245+0.000			216,778	216,736	0.041	3,500	216,673	-3.00	5,400	216,616	-3.00	6,496	216,600
-9,614	216,586	-7,900	215,985	-3.00	-3,500	216,117	-3.00	246+0.000			216,222	216,394	-0.171	3,500	216,117	-3.00	5,400	216,060	-3.00	6,967	216,514
-9,595	216,012	-7,900	215,430	-3.00	-3,500	215,562	-3.00	247+0.000		PCV	215,667	215,806	-0.139	3,500	215,562	-3.00	5,400	215,505	-3.00	6,740	215,732
-9,607	215,457	-7,900	214,862	-3.00	-3,500	214,994	-3.00	248+0.000			215,099	215,256	-0.157	3,500	214,994	-3.00	5,400	214,937	-3.00	6,675	215,100
-9,574	214,832	-7,900	214,270	-3.00	-3,500	214,402	-3.00	249+0.000			214,507	214,701	-0.194	3,500	214,402	-3.00	5,400	214,345	-3.00	6,601	214,434
-9,604	214,247	-7,900	213,655	-3.00	-3,500	213,787	-3.00	250+0.000			213,892	214,023	-0.131	3,500	213,787	-3.00	5,400	213,730	-3.00	6,573	213,790

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4.2. Notas de Serviço de Pavimentação da Interseção.

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Ramo 01 - 0+0.000 9+8.822													
Lado Esquerdo			Eixo						Lado Direito				
Bordo_Pista			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo_Pista			OFFSET	
Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-5,000	227,475	3.00	0+0.000			227,325	226,487	0.838	0.400	227,313	-3.00	1,468	226,601
-5,000	227,538	3.00	0+10.000			227,388	227,019	0.368	0.400	227,376	-3.00	1,134	226,997
-5,000	227,601	3.00	0+20.000			227,451	227,182	0.268	0.400	227,439	-3.00	1,134	226,997
-5,000	227,664	3.00	1+10.000			227,514	227,136	0.377	0.400	227,502	-3.00	1,161	227,150
-5,000	227,703	3.00	1+16.226			227,553	227,305	0.248	0.400	227,541	-3.00	1,204	227,232
-5,000	227,727	3.00	1+20.000		PCV	227,577	227,341	0.235	0.400	227,565	-3.00	1,198	227,250
-5,000	227,782	3.00	2+10.000			227,632	227,420	0.211	0.400	227,620	-3.00	1,200	227,307
-3,219	227,729	3.00	2+20.000			227,633	227,321	0.312	0.400	227,621	-3.00	1,165	227,273
-0.118	227,576	3.00	3+10.000			227,572	227,425	0.148	0.400	227,560	-3.00	1,305	227,353
-0.001	227,548	3.00	3+12.453	PCR		227,548	227,328	0.220	0.400	227,536	-3.00	1,237	227,260
-0.001	227,487	3.00	3+17.474			227,487	227,155	0.331	0.400	227,475	-3.00	1,125	227,087
-0.001	227,450	3.00	3+20.000			227,450	227,089	0.361	0.400	227,438	-3.00	1,115	227,040
-0.000	227,410	3.00	4+2.495	PCR		227,410	227,050	0.359	0.400	227,398	-3.00	1,128	227,013
-1,184	227,301	3.00	4+10.000		PTV	227,266	226,899	0.366	0.400	227,254	-3.00	1,106	226,847
-7,502	227,252	3.00	4+20.000		PCV	227,027	226,461	0.566	0.400	227,015	-3.00	1,078	226,581
-5,000	226,942	3.00	5+10.000			226,792	226,241	0.551	0.400	226,780	-3.00	1,242	226,219
-5,000	226,785	3.00	5+20.000			226,635	225,744	0.891	0.400	226,623	-3.00	1,777	225,704
-5,000	226,715	3.00	6+10.000			226,565	225,685	0.880	0.400	226,553	-3.00	2,402	225,218
-5,000	226,712	3.00	6+14.158			226,562	225,698	0.864	0.400	226,550	-3.00	2,350	225,250
-5,000	226,734	3.00	6+20.000			226,584	226,777	-0.194	0.400	226,572	-3.00	1,205	226,264
-5,000	226,840	3.00	7+10.000		PTV	226,690	226,672	0.018	0.400	226,678	-3.00	1,091	226,256
-5,000	227,024	3.00	7+20.000			226,874	227,559	-0.684	0.400	226,862	-3.00	1,753	227,103
-5,000	227,219	3.00	8+10.000			227,069	227,189	-0.120	0.400	227,057	-3.00	1,203	226,747
-5,000	227,414	3.00	8+20.000			227,264	227,732	-0.468	0.400	227,252	-3.00	1,522	227,261
-5,000	227,527	3.00	9+5.822	PT		227,377	227,393	-0.016	0.400	227,365	-3.00	1,233	227,086
-5,000	227,586	3.00	9+8.822			227,436	227,436	0.000	0.400	227,424	-3.00	1,377	226,772

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Ramo 02 - 0+0.000 5+6.466													
Lado Esquerdo			Eixo						Lado Direito				
Bordo_Pista			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo_Pista			OFFSET	
Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-5,000	229,857	3.00	0+0.000			229,707	229,707	0.000	0.400	229,695	-3.00	1,235	229,418
-5,000	229,550	3.00	0+10.000			229,400	229,007	0.393	0.400	229,388	-3.00	1,316	228,778
-5,000	229,243	3.00	1+0.000		PCV	229,093	229,683	-0.590	0.400	229,081	-3.00	1,616	229,184
-5,000	229,001	3.00	1+8.160	PC		228,851	229,566	-0.715	0.400	228,839	-3.00	1,982	229,308
-5,000	228,949	3.00	1+10.000			228,799	229,520	-0.721	0.400	228,787	-3.00	1,997	229,271
-5,000	228,681	3.00	2+0.000			228,531	228,816	-0.285	0.400	228,519	-3.00	1,656	228,662
-0.143	228,267	3.00	2+11.156			228,263	228,118	0.145	0.400	228,251	-3.00	1,387	228,125
-5,000	228,223	3.00	3+0.000			228,073	227,554	0.520	0.400	228,061	-3.00	1,111	227,587
-5,000	228,034	3.00	3+10.000			227,884	227,679	0.205	0.400	227,872	-3.00	1,341	227,700
-5,000	227,963	3.00	3+14.152	PT		227,813	227,448	0.365	0.400	227,801	-3.00	1,286	227,574
-5,000	227,871	3.00	4+0.000		PTV	227,721	227,330	0.391	0.400	227,709	-3.00	1,257	227,453
-5,000	227,721	3.00	4+10.000			227,571	226,936	0.636	0.400	227,559	-3.00	1,198	227,245
-5,000	227,571	3.00	5+0.000			227,421	226,643	0.778	0.400	227,409	-3.00	1,380	226,756
-5,000	227,474	3.00	5+6.466			227,324	226,199	1,125	0.400	227,312	-3.00	1,645	226,482

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Ramo 03 - 0+0.000 9+3.138													
Lado Esquerdo			Eixo						Lado Direito				
Bordo_Pista			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo_Pista			OFFSET	
Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-5,000	227,586	3.00	0+0.000			227,436	227,302	0.134	0.400	227,424	-3.00	1,096	227,007
-5,000	227,673	3.00	0+9.779	PC		227,523	227,235	0.288	0.400	227,511	-3.00	1,489	226,785
-5,000	227,675	3.00	0+10.000			227,525	227,242	0.283	0.400	227,513	-3.00	1,475	226,797
-5,000	227,765	3.00	1+0.000			227,615	227,152	0.463	0.400	227,603	-3.00	1,425	226,920
-5,000	227,854	3.00	1+10.000			227,704	227,355	0.349	0.400	227,692	-3.00	1,212	227,151
-5,000	227,943	3.00	2+0.000			227,793	226,926	0.868	0.400	227,781	-3.00	2,238	226,556
-5,000	228,033	3.00	2+10.000		PCV	227,883	226,339	1,544	0.400	227,871	-3.00	3,566	225,760
-5,000	228,110	3.00	2+18.546			227,960	226,459	1,501	0.400	227,948	-3.00	3,518	225,870
-5,000	228,124	3.00	3+0.000			227,974	226,457	1,517	0.400	227,962	-3.00	3,475	225,912
-5,000	228,223	3.00	3+10.000			228,073	226,393	1,680	0.400	228,061	-3.00	3,124	226,245
-5,000	228,329	3.00	4+0.000			228,179	226,710	1,468	0.400	228,167	-3.00	2,608	226,695
-5,000	228,442	3.00	4+10.000			228,292	227,190	1,103	0.400	228,280	-3.00	1,938	227,255
-1,100	228,446	3.00	5+0.000			228,413	227,809	0.604	0.400	228,401	-3.00	1,185	227,878
-0.000	228,677	3.00	6+0.000			228,677	228,537	0.140	0.400	228,665	-3.00	1,227	228,380
-0.000	228,726	3.00	6+3.428	PCR		228,726	228,588	0.138	0.400	228,714	-3.00	1,290	228,491
-0.985	228,850	3.00	6+10.000			228,821	228,367	0.454	0.400	228,809	-3.00	1,164	228,460
-7,483	229,196	3.00	7+0.000			228,971	228,157	0.814	0.400	228,959	-3.00	1,442	228,265
-5,000	229,280	3.00	7+10.000			229,130	228,406	0.724	0.400	229,118	-3.00	1,993	228,056
-5,000	229,319	3.00	7+12.410			229,169	228,529	0.640	0.400	229,157	-3.00	2,036	228,066
-5,000	229,445	3.00	8+0.000			229,295	228,713	0.582	0.400	229,283	-3.00	1,950	228,250
-5,000	229,619	3.00	8+10.000		PTV	229,469	228,059	1,410	0.400	229,457	-3.00	3,024	227,708
-5,000	229,799	3.00	9+0.000			229,649	229,191	0.458	0.400	229,637	-3.00	1,489	228,911
-5,000	229,825	3.00	9+1.393	PT		229,675	229,285	0.390	0.400	229,663	-3.00	1,403	228,994
-5,000	229,857	3.00	9+3.138			229,707	229,365	0.342	0.400	229,695	-3.00	1,297	229,097

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Rótula - 0+0.000 8+12.788												
Lado Esquerdo					Eixo						OFFSET	
OFFSET		Bordo_Pista			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)
-11,477	227,219	-10,000	226,855	-3.00	0+0.000			227,155	227,155	0.000	0.958	227,097
-11,106	227,110	-10,000	227,117	-3.00	0+10.000			227,417	226,987	0.429	0.702	226,949
-10,837	227,103	-10,000	227,379	-3.00	0+20.000			227,679	226,674	1,004	1,598	226,613
-11,903	228,431	-10,000	227,640	-3.00	1+10.000		PCV	227,940	227,322	0.619	1,023	227,258
-12,159	228,916	-10,000	227,869	-3.00	1+19.536			228,169	228,628	-0.458	1,439	228,591
-12,158	228,925	-10,000	227,879	-3.00	1+20.000			228,179	228,605	-0.425	1,405	228,568
-11,782	228,742	-10,000	228,073	-3.00	2+10.000			228,373	227,802	0.570	1,049	227,673
-11,342	228,450	-10,000	228,221	-3.00	2+20.000			228,521	227,664	0.857	1,215	227,710
-11,161	228,372	-10,000	228,323	-3.00	3+10.000			228,623	228,296	0.327	0.821	228,427
-11,236	228,500	-10,000	228,376	-3.00	3+19.072	PCC		228,676	228,491	0.186	0.735	228,395
-11,254	228,521	-10,000	228,380	-3.00	3+20.000			228,680	228,506	0.174	0.746	228,410
-11,346	228,625	-10,000	228,391	-3.00	4+10.000			228,691	228,334	0.358	0.754	228,428
-11,876	229,121	-10,000	228,357	-3.00	4+20.000			228,657	228,796	-0.139	1,053	228,693
-12,081	229,246	-10,000	228,277	-3.00	5+10.000			228,577	229,446	-0.868	1,883	229,444
-11,260	228,300	-10,000	228,152	-3.00	5+20.000			228,452	228,459	-0.006	1,017	228,453
-10,882	227,825	-10,000	228,056	-3.00	6+5.930			228,356	228,103	0.254	0.768	228,108
-10,957	227,826	-10,000	227,981	-3.00	6+10.000			228,281	228,116	0.166	0.832	228,097
-10,771	227,423	-10,000	227,765	-3.00	6+20.000			228,065	227,382	0.683	1,021	227,385
-11,157	227,548	-10,000	227,504	-3.00	7+10.000		PTV	227,804	227,457	0.346	0.672	227,459
-11,346	227,452	-10,000	227,219	-3.00	7+20.000			227,519	227,399	0.120	0.840	227,342
-11,437	227,259	-10,000	226,935	-3.00	8+10.000			227,235	227,245	-0.010	0.971	227,189
-11,437	227,180	-10,000	226,855	-3.00	8+12.788			227,155	227,155	0.000	0.971	227,109

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4.3. Notas de Serviço de Terraplenagem



Nota de Serviço de Terraplenagem															
MT 469 - 0+0.000 760+10.000															
Lado Esquerdo					Eixo						Lado Direito				
OFFSET		BORDO ESQUERDO			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	BORDO DIREITO			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-9,081	226,451	-8,568	226,793	-3.00	5+0.000			227,050	225,865	1,185	6,068	226,868	-3.00	6,643	226,484
-8,963	226,215	-8,568	226,478	-3.00	6+0.000			226,735	225,713	1,022	6,068	226,553	-3.00	6,079	226,564
-9,464	225,544	-8,568	226,142	-3.00	7+0.000		PTV	226,399	225,120	1,279	6,068	226,217	-3.00	6,297	226,063
-9,359	225,266	-8,568	225,794	-3.00	8+0.000		PCV	226,051	224,866	1,185	6,068	225,869	-3.00	6,335	225,690
-9,509	224,794	-8,568	225,422	-3.00	9+0.000			225,679	225,116	0,563	6,068	225,497	-3.00	6,676	225,091
-9,509	224,794	-8,568	225,002	-3.00	10+0.000			225,259	225,552	-0,293	6,068	225,077	-3.00	7,068	226,078
-9,184	224,123	-8,568	224,534	-3.00	11+0.000			224,791	223,533	1,258	6,068	224,609	-3.00	6,124	224,572
-9,028	224,478	-8,568	224,018	-3.00	12+0.000		PTV	224,275	224,186	0,089	6,068	224,093	-3.00	6,479	224,504
-8,802	223,712	-8,568	223,478	-3.00	13+0.000			223,735	223,554	0,181	6,068	223,553	-3.00	6,814	224,300
-8,734	223,104	-8,568	222,938	-3.00	14+0.000		PCV	223,195	222,956	0,239	6,068	223,013	-3.00	6,751	223,696
-8,872	222,679	-8,568	222,375	-3.00	15+0.000	TS		222,632	222,387	0,245	6,038	222,632	0.00	6,340	222,935
-10,186	223,341	-8,572	221,727	-3.45	16+0.000			222,022	221,250	0,772	6,006	222,230	3.45	6,248	222,069
-9,781	221,943	-8,611	220,772	-6.90	17+0.000	SC		221,366	221,783	-0,417	5,978	221,779	6.90	6,367	222,168
-9,799	221,258	-8,611	220,070	-6.90	18+0.000			220,664	220,903	-0,239	5,978	221,077	6.90	6,074	221,173
-9,967	220,678	-8,611	219,321	-6.90	19+0.000			219,915	220,247	-0,332	5,978	220,328	6.90	6,258	220,608
-9,440	219,355	-8,611	218,526	-6.90	20+0.000		PTV	219,120	219,672	-0,552	5,978	219,533	6.90	6,563	220,118
-9,514	218,889	-8,611	217,986	-6.90	20+13.198			218,581	219,173	-0,592	5,978	218,993	6.90	6,922	219,938
-9,701	218,798	-8,611	217,708	-6.90	21+0.000			218,302	218,841	-0,539	5,978	218,715	6.90	7,241	219,978
-10,299	218,578	-8,611	216,890	-6.90	22+0.000			217,484	218,469	-0,985	5,978	217,897	6.90	6,671	218,590
-10,215	217,676	-8,611	216,072	-6.90	23+0.000			216,666	217,445	-0,779	5,978	217,078	6.90	6,531	217,631
-9,599	216,241	-8,611	215,254	-6.90	24+0.000			215,848	216,181	-0,333	5,978	216,260	6.90	6,094	216,376
-9,466	215,847	-8,611	214,992	-6.90	24+6.395	CS		215,586	215,742	-0,156	5,978	215,999	6.90	6,010	215,977
-8,903	214,958	-8,584	214,639	-4.55	25+0.000		PCV	215,030	214,996	0,034	5,997	215,303	4.55	6,133	215,212
-8,859	214,297	-8,568	214,006	-3.00	26+0.000			214,263	214,020	0,243	6,027	214,329	1.10	6,133	214,259
-9,215	214,430	-8,568	213,783	-3.00	26+6.395	ST		214,040	213,690	0,350	6,038	214,040	0.00	6,164	213,955
-8,709	213,248	-8,568	213,342	-3.00	27+0.000			213,599	213,097	0,502	6,061	213,457	-2.35	6,234	213,342
-8,936	212,536	-8,568	212,782	-3.00	28+0.000			213,039	212,428	0,611	6,068	212,857	-3.00	6,157	212,947
-9,362	211,795	-8,568	212,325	-3.00	28+20.000	TS		212,582	212,031	0,551	6,038	212,582	0.00	6,953	211,971
-9,694	211,140	-8,578	211,884	-4.00	30+0.000			212,228	211,454	0,774	6,001	212,468	4.00	7,299	211,603
-9,696	210,572	-8,624	211,287	-8.00	30+20.000	SC	PTV	211,977	211,162	0,815	5,969	212,454	8.00	8,365	210,857
-10,336	209,946	-8,624	211,087	-8.00	32+0.000			211,777	210,747	1,030	5,969	212,255	8.00	8,053	210,866
-10,733	209,482	-8,624	210,888	-8.00	33+0.000		PCV	211,578	210,775	0,803	5,969	212,055	8.00	8,155	210,598

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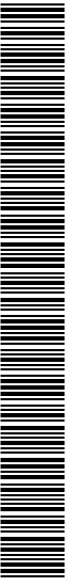


Nota de Serviço de Terraplenagem

MT 469 - 0+0.000 760+10.000

Lado Esquerdo					Eixo						Lado Direito				
OFFSET		BORDO ESQUERDO			Estaca	Pontos Notáveis da Geometria a Horizontal	Pontos Notáveis da Geometria a Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	BORDO DIREITO			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-9,171	210,333	-8,624	210,697	-8.00	34+0.000			211,387	210,182	1,205	5,969	211,865	8.00	8,915	209,901
-8,690	210,657	-8,624	210,592	-8.00	34+11.893			211,282	211,162	0,120	5,969	211,760	8.00	8,284	210,216
-8,968	210,295	-8,624	210,524	-8.00	35+0.000			211,214	210,963	0,251	5,969	211,692	8.00	7,335	210,782
-8,650	210,395	-8,624	210,369	-8.00	36+0.000			211,059	210,882	0,177	5,969	211,537	8.00	7,078	210,798
-8,715	210,172	-8,624	210,232	-8.00	37+0.000			210,922	210,594	0,328	5,969	211,400	8.00	6,959	210,740
-8,763	210,021	-8,624	210,113	-8.00	38+0.000			210,803	210,291	0,512	5,969	211,281	8.00	6,659	210,821
-8,806	209,972	-8,624	210,093	-8.00	38+3.787	CS		210,783	210,221	0,562	5,969	211,260	8.00	6,682	210,785
-8,797	210,153	-8,586	210,293	-4.76	39+0.000		PTV	210,702	209,957	0,745	5,995	210,987	4.76	6,621	210,570
-9,812	209,522	-8,568	210,352	-3.00	40+0.000			210,609	209,658	0,951	6,030	210,655	0.76	6,469	210,363
-9,879	209,461	-8,568	210,335	-3.00	40+3.787	ST		210,592	209,615	0,977	6,038	210,592	0.00	6,423	210,335
-10,109	209,233	-8,568	210,260	-3.00	41+0.000			210,517	209,452	1,065	6,068	210,335	-3.00	6,354	210,144
-10,491	208,886	-8,568	210,168	-3.00	42+0.000			210,425	209,251	1,174	6,068	210,243	-3.00	6,618	209,875
-10,473	208,805	-8,568	210,075	-3.00	43+0.000			210,332	209,099	1,233	6,068	210,150	-3.00	6,831	209,641
-10,401	208,760	-8,568	209,983	-3.00	44+0.000			210,240	208,985	1,255	6,068	210,058	-3.00	7,095	209,373
-9,929	208,982	-8,568	209,890	-3.00	45+0.000			210,147	209,191	0,956	6,068	209,965	-3.00	6,339	209,784
-9,536	209,152	-8,568	209,798	-3.00	46+0.000			210,055	209,167	0,888	6,068	209,873	-3.00	6,206	209,780
-9,502	209,083	-8,568	209,705	-3.00	47+0.000			209,963	209,164	0,799	6,068	209,780	-3.00	6,184	209,703
-9,659	208,886	-8,568	209,613	-3.00	48+0.000			209,870	209,108	0,762	6,068	209,688	-3.00	6,307	209,528
-9,748	208,734	-8,568	209,521	-3.00	49+0.000			209,778	208,970	0,808	6,068	209,596	-3.00	6,468	209,329
-9,741	208,646	-8,568	209,428	-3.00	50+0.000			209,685	208,854	0,831	6,068	209,503	-3.00	6,448	209,250
-9,579	208,661	-8,568	209,336	-3.00	51+0.000			209,593	208,850	0,743	6,068	209,411	-3.00	6,449	209,156
-9,158	208,850	-8,568	209,243	-3.00	52+0.000			209,500	208,837	0,663	6,068	209,318	-3.00	6,215	209,220
-8,857	208,958	-8,568	209,151	-3.00	53+0.000		PCV	209,408	208,930	0,478	6,068	209,226	-3.00	6,247	209,406
-8,671	209,123	-8,568	209,020	-3.00	54+0.000			209,277	208,829	0,448	6,068	209,095	-3.00	6,311	209,339
-8,729	208,973	-8,568	208,812	-3.00	55+0.000			209,069	208,799	0,270	6,068	208,887	-3.00	6,282	209,101
-8,964	208,922	-8,568	208,526	-3.00	56+0.000			208,783	208,556	0,227	6,068	208,601	-3.00	6,410	208,943
-9,060	208,656	-8,568	208,164	-3.00	57+0.000			208,421	208,234	0,187	6,068	208,239	-3.00	6,957	209,129
-9,141	208,297	-8,568	207,724	-3.00	58+0.000			207,981	208,150	-0,169	6,068	207,799	-3.00	7,036	208,768
-9,084	207,724	-8,568	207,207	-3.00	59+0.000		PTV	207,464	207,860	-0,396	6,068	207,282	-3.00	7,052	208,267
-9,220	207,303	-8,568	206,651	-3.00	60+0.000			206,908	206,989	-0,081	6,068	206,726	-3.00	7,031	207,690
-9,159	206,687	-8,568	206,096	-3.00	61+0.000			206,353	206,455	-0,102	6,068	206,171	-3.00	7,277	207,380
-9,079	206,052	-8,568	205,540	-3.00	62+0.000			205,797	205,975	-0,178	6,068	205,615	-3.00	6,617	206,165

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Nota de Serviço de Terraplenagem

MT 469 - 0+0.000 760+10.000

Lado Esquerdo					Eixo					Lado Direito					
OFFSET		BORDO ESQUERDO			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	BORDO DIREITO			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-9,134	205,551	-8,568	204,985	-3.00	63+0.000		PCV	205,242	205,347	-0,105	6,068	205,060	-3.00	6,816	205,808
-8,931	204,835	-8,568	204,472	-3.00	64+0.000			204,729	204,468	0,261	6,068	204,547	-3.00	6,537	205,016
-8,640	203,996	-8,568	204,044	-3.00	65+0.000			204,301	203,557	0,744	6,068	204,119	-3.00	6,357	203,925
-9,964	202,770	-8,568	203,701	-3.00	66+0.000			203,958	202,875	1,083	6,068	203,776	-3.00	6,810	203,281
-10,269	202,309	-8,568	203,443	-3.00	67+0.000			203,700	202,316	1,384	6,068	203,518	-3.00	7,836	202,340
-12,186	200,858	-8,568	203,271	-3.00	68+0.000			203,528	203,007	0,521	6,068	203,346	-3.00	7,217	204,495
-12,056	200,858	-8,568	203,183	-3.00	69+0.000		PTV	203,440	198,625	4,815	6,068	203,258	-3.00	8,672	201,522
-12,759	200,344	-8,568	203,138	-3.00	70+0.000		PCV	203,395	200,022	3,373	6,068	203,213	-3.00	8,738	201,433
-12,424	200,574	-8,568	203,145	-3.00	71+0.000			203,402	200,918	2,484	6,068	203,220	-3.00	8,633	201,509
-10,535	201,943	-8,568	203,254	-3.00	72+0.000			203,511	201,526	1,985	6,068	203,329	-3.00	8,090	201,981
-9,603	202,777	-8,568	203,467	-3.00	73+0.000			203,724	202,725	0,999	6,068	203,542	-3.00	7,044	202,892
-9,576	202,970	-8,568	203,642	-3.00	73+11.863	PC		203,899	203,280	0,619	6,068	203,717	-3.00	6,727	203,278
-9,395	203,232	-8,568	203,784	-3.00	74+0.000		PCV	204,041	203,463	0,578	6,068	203,859	-3.00	6,333	203,681
-9,395	203,232	-8,568	203,930	-3.00	74+8.065			204,187	203,648	0,539	6,068	204,005	-3.00	6,273	204,211
-9,395	203,232	-8,568	204,141	-3.00	75+0.000			204,398	203,976	0,422	6,068	204,216	-3.00	6,487	204,635
-9,395	203,232	-8,568	204,214	-3.00	75+4.268	PT		204,471	204,109	0,362	6,068	204,289	-3.00	6,643	204,865
-9,395	203,232	-8,568	204,477	-3.00	76+0.000			204,734	204,829	-0,095	6,068	204,552	-3.00	6,284	204,769
-8,627	204,753	-8,568	204,793	-3.00	77+0.000			205,050	205,031	0,019	6,068	204,868	-3.00	6,681	205,482
-8,741	205,262	-8,568	205,088	-3.00	78+0.000			205,345	205,612	-0,267	6,068	205,163	-3.00	6,929	206,025
-8,778	205,573	-8,568	205,363	-3.00	79+0.000			205,620	205,934	-0,314	6,068	205,438	-3.00	6,920	206,290
-8,791	205,840	-8,568	205,616	-3.00	80+0.000		PTV	205,873	206,274	-0,401	6,068	205,691	-3.00	6,935	206,558
-8,867	206,158	-8,568	205,859	-3.00	81+0.000			206,116	206,499	-0,383	6,068	205,934	-3.00	6,713	206,579
-8,958	206,493	-8,568	206,102	-3.00	82+0.000			206,359	206,782	-0,423	6,068	206,177	-3.00	6,560	206,669
-8,750	206,528	-8,568	206,345	-3.00	83+0.000			206,602	206,958	-0,356	6,068	206,420	-3.00	6,578	206,931
-8,661	206,682	-8,568	206,589	-3.00	84+0.000		PCV	206,846	207,259	-0,413	6,068	206,664	-3.00	6,518	207,114
-8,661	206,682	-8,568	206,815	-3.00	85+0.000			207,072	207,499	-0,427	6,068	206,890	-3.00	6,292	207,114
-8,764	206,876	-8,568	207,007	-3.00	86+0.000			207,264	207,301	-0,037	6,068	207,082	-3.00	6,211	207,226
-9,093	206,815	-8,568	207,166	-3.00	87+0.000			207,423	207,097	0,326	6,068	207,241	-3.00	6,197	207,154
-9,466	206,691	-8,568	207,290	-3.00	88+0.000			207,547	207,223	0,324	6,068	207,365	-3.00	6,387	207,152
-9,752	206,592	-8,568	207,381	-3.00	89+0.000			207,638	207,185	0,453	6,068	207,456	-3.00	6,347	207,270
-9,947	206,518	-8,568	207,438	-3.00	90+0.000		PTV	207,695	207,107	0,588	6,068	207,513	-3.00	6,398	207,292
-10,061	206,482	-8,568	207,478	-3.00	91+0.000			207,735	207,114	0,621	6,068	207,553	-3.00	6,432	207,310



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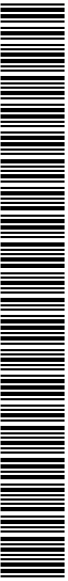


Nota de Serviço de Terraplenagem

MT 469 - 0+0.000 760+10.000

Lado Esquerdo					Eixo						Lado Direito				
OFFSET		BORDO ESQUERDO			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	BORDO DIREITO			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-9,928	206,611	-8,568	207,518	-3.00	92+0.000			207,775	207,108	0,667	6,068	207,593	-3.00	6,323	207,422
-10,337	206,379	-8,568	207,558	-3.00	93+0.000			207,815	207,027	0,788	6,068	207,633	-3.00	6,304	207,475
-10,477	206,325	-8,568	207,598	-3.00	94+0.000			207,855	206,878	0,977	6,068	207,673	-3.00	6,583	207,329
-10,290	206,490	-8,568	207,638	-3.00	95+0.000			207,895	207,077	0,818	6,068	207,713	-3.00	6,547	207,393
-9,918	206,778	-8,568	207,678	-3.00	96+0.000			207,935	207,208	0,727	6,068	207,753	-3.00	6,645	207,368
-9,628	207,011	-8,568	207,718	-3.00	97+0.000			207,975	207,206	0,769	6,068	207,793	-3.00	6,629	207,418
-9,664	207,027	-8,568	207,758	-3.00	98+0.000			208,015	207,326	0,689	6,068	207,833	-3.00	6,436	207,587
-9,735	207,020	-8,568	207,798	-3.00	99+0.000			208,055	207,356	0,699	6,068	207,873	-3.00	6,244	207,755
-9,519	207,203	-8,568	207,838	-3.00	100+0.000			208,095	207,587	0,508	6,068	207,913	-3.00	6,360	207,718
-9,349	207,357	-8,568	207,878	-3.00	101+0.000			208,135	207,684	0,451	6,068	207,953	-3.00	6,360	207,718
-9,300	207,429	-8,568	207,918	-3.00	102+0.000			208,175	207,698	0,477	6,068	207,993	-3.00	6,096	207,974
-9,219	207,523	-8,568	207,958	-3.00	103+0.000			208,215	208,042	0,173	6,068	208,033	-3.00	6,090	208,055
-9,238	207,551	-8,568	207,998	-3.00	104+0.000			208,255	207,903	0,352	6,068	208,073	-3.00	6,090	208,055
-9,027	207,732	-8,568	208,038	-3.00	105+0.000			208,295	208,086	0,209	6,068	208,113	-3.00	6,164	208,209
-8,821	207,909	-8,568	208,078	-3.00	106+0.000			208,335	208,064	0,271	6,068	208,153	-3.00	6,133	208,219
-8,595	208,146	-8,568	208,118	-3.00	107+0.000		PCV	208,375	208,253	0,122	6,068	208,193	-3.00	6,497	208,623
-8,801	208,351	-8,568	208,117	-3.00	108+0.000			208,374	208,392	-0,018	6,068	208,192	-3.00	6,476	208,601
-8,965	208,433	-8,568	208,035	-3.00	108+20.000	TS		208,292	208,526	-0,234	6,038	208,292	0.00	6,436	208,691
-9,257	208,465	-8,578	207,786	-4.00	110+0.000			208,129	208,628	-0,499	6,001	208,369	4.00	6,294	208,662
-9,690	208,260	-8,624	207,195	-8.00	110+20.000	SC		207,885	208,533	-0,648	5,969	208,362	8.00	6,050	208,443
-9,854	208,099	-8,624	206,869	-8.00	112+0.000			207,559	208,255	-0,696	5,969	208,037	8.00	6,146	208,214
-9,889	207,726	-8,624	206,462	-8.00	113+0.000			207,152	208,069	-0,917	5,969	207,630	8.00	6,521	208,181
-9,899	207,248	-8,624	205,974	-8.00	114+0.000			206,664	207,575	-0,911	5,969	207,141	8.00	6,554	207,726
-9,869	206,649	-8,624	205,404	-8.00	115+0.000			206,094	206,948	-0,854	5,969	206,572	8.00	6,355	206,958
-9,941	206,106	-8,624	204,789	-8.00	115+18.967			205,479	206,316	-0,837	5,969	205,957	8.00	6,069	205,890
-9,949	206,078	-8,624	204,754	-8.00	116+0.000			205,443	206,267	-0,824	5,969	205,921	8.00	6,044	205,871
-9,949	205,346	-8,624	204,021	-8.00	117+0.000		PTV	204,711	205,262	-0,551	5,969	205,189	8.00	6,044	205,139
-9,699	204,323	-8,624	203,249	-8.00	118+0.000		PCV	203,939	203,813	0,126	5,969	204,416	8.00	6,125	204,312
-8,793	202,702	-8,624	202,534	-8.00	119+0.000			203,224	202,354	0,870	5,969	203,701	8.00	9,277	201,496
-9,590	201,290	-8,624	201,934	-8.00	120+0.000			202,624	201,300	1,324	5,969	203,101	8.00	9,226	200,930
-10,240	200,417	-8,624	201,494	-8.00	120+17.934	CS		202,184	199,910	2,274	5,969	202,661	8.00	10,551	199,606
-10,344	200,335	-8,619	201,485	-7.59	121+0.000			202,139	199,928	2,211	5,972	202,592	7.59	10,607	199,502

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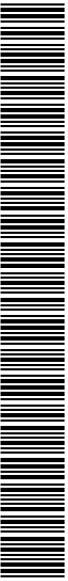


Nota de Serviço de Terraplenagem

MT 469 - 0+0.000 760+10.000

Lado Esquerdo					Eixo					Lado Direito					
OFFSET		BORDO ESQUERDO			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	BORDO DIREITO			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-11,109	199,772	-8,574	201,462	-3.59	122+0.000			201,769	200,662	1,107	6,005	201,985	3.59	8,890	200,061
-12,319	198,778	-8,568	201,279	-3.00	122+17.934	ST		201,536	200,715	0,821	6,038	201,536	0.00	10,186	198,771
-10,466	199,992	-8,568	201,258	-3.00	123+0.000			201,515	200,648	0,867	6,041	201,490	-0.41	10,040	198,825
-10,587	199,773	-8,568	201,119	-3.00	124+0.000			201,376	200,417	0,959	6,068	201,194	-3.00	8,072	199,858
-10,817	199,596	-8,568	201,095	-3.00	125+0.000			201,352	200,060	1,292	6,068	201,170	-3.00	7,655	200,112
-9,849	200,333	-8,568	201,187	-3.00	126+0.000			201,444	200,660	0,784	6,068	201,262	-3.00	7,065	200,597
-8,715	201,573	-8,564	201,422	-2.67	127+0.000			201,650	201,067	0,583	6,068	201,468	-3.00	6,283	201,325
-8,627	201,912	-8,538	201,972	0.00	127+20.000	TS	PTV	201,972	201,259	0,713	6,068	201,790	-3.00	6,731	201,348
-8,653	202,486	-8,513	202,579	2.67	129+0.000			202,352	201,845	0,507	6,068	202,170	-3.00	6,469	201,902
-9,134	202,755	-8,490	203,184	5.33	130+0.000			202,731	202,234	0,497	6,093	202,406	-5.33	6,431	202,744
-10,028	202,749	-8,469	203,788	8.00	130+20.000	SC		203,111	202,298	0,813	6,124	202,621	-8.00	6,266	202,526
-10,015	203,137	-8,469	204,168	8.00	132+0.000			203,490	202,325	1,165	6,124	203,000	-8.00	6,417	202,805
-10,098	203,462	-8,469	204,547	8.00	133+0.000		PCV	203,870	202,691	1,179	6,124	203,380	-8.00	6,244	203,300
-10,115	203,610	-8,469	204,707	8.00	133+8.415			204,030	202,868	1,162	6,124	203,540	-8.00	6,166	203,512
-10,020	203,895	-8,469	204,930	8.00	134+0.000			204,252	203,049	1,203	6,124	203,762	-8.00	6,580	203,458
-10,294	204,101	-8,469	205,318	8.00	135+0.000			204,640	203,713	0,927	6,124	204,150	-8.00	6,246	204,272
-10,450	204,328	-8,469	205,649	8.00	135+16.830	CS		204,971	204,272	0,699	6,124	204,482	-8.00	6,212	204,569
-10,474	204,342	-8,472	205,676	7.58	136+0.000			205,034	204,343	0,691	6,119	204,571	-7.58	6,170	204,621
-10,368	204,602	-8,494	205,851	4.91	137+0.000			205,434	204,641	0,793	6,088	205,135	-4.91	6,165	205,084
-9,766	205,198	-8,517	206,031	2.24	138+0.000			205,840	204,991	0,849	6,068	205,658	-3.00	6,803	205,168
-9,471	205,564	-8,538	206,186	0.00	138+16.830	ST		206,186	205,308	0,878	6,068	206,004	-3.00	6,883	205,461
-9,428	205,624	-8,542	206,216	-0.42	139+0.000		PTV	206,252	205,350	0,902	6,068	206,070	-3.00	6,888	205,523
-8,848	206,223	-8,568	206,409	-3.00	140+0.000			206,666	205,562	1,104	6,068	206,484	-3.00	7,027	205,845
-8,628	206,784	-8,568	206,824	-3.00	140+20.000	TS	PCV	207,081	205,937	1,144	6,038	207,081	0.00	6,479	206,787
-8,923	207,493	-8,578	207,148	-3.95	142+0.000			207,487	206,871	0,616	6,002	207,724	3.95	6,312	207,517
-9,378	207,947	-8,623	207,193	-7.90	142+20.000	SC		207,874	207,448	0,426	5,970	208,345	7.90	6,612	207,917
-9,737	208,676	-8,623	207,562	-7.90	144+0.000			208,243	207,903	0,340	5,970	208,715	7.90	6,138	208,603
-9,753	209,043	-8,623	207,913	-7.90	145+0.000		PTV	208,594	208,327	0,267	5,970	209,066	7.90	6,138	208,954
-9,819	209,450	-8,623	208,255	-7.90	146+0.000			208,936	208,601	0,335	5,970	209,408	7.90	6,005	209,384
-9,626	209,600	-8,623	208,597	-7.90	147+0.000			209,278	209,154	0,124	5,970	209,750	7.90	6,210	209,589
-9,628	209,666	-8,623	208,662	-7.90	147+3.793			209,343	209,206	0,137	5,970	209,814	7.90	6,039	209,768
-9,510	209,826	-8,623	208,939	-7.90	148+0.000			209,620	209,447	0,173	5,970	210,091	7.90	6,236	209,914

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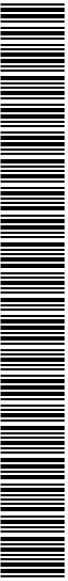


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Nota de Serviço de Terraplenagem															
MT 469 - 0+0.000 760+10.000															
Lado Esquerdo					Eixo						Lado Direito				
OFFSET		BORDO ESQUERDO			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	BORDO DIREITO			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-9,503	210,160	-8,623	209,281	-7.90	149+0.000		PCV	209,962	209,655	0,307	5,970	210,433	7.90	6,349	210,181
-9,349	210,349	-8,623	209,623	-7.90	150+0.000		PCV	210,304	209,853	0,451	5,970	210,775	7.90	6,633	210,334
-9,194	210,539	-8,623	209,967	-7.90	151+0.000			210,649	210,179	0,470	5,970	211,120	7.90	7,019	210,421
-9,079	210,555	-8,623	210,100	-7.90	151+7.586	CS		210,781	210,335	0,446	5,970	211,253	7.90	7,056	210,529
-8,792	210,729	-8,594	210,531	-5.45	152+0.000			211,000	210,540	0,460	5,989	211,326	5.45	6,852	210,751
-8,646	211,047	-8,568	211,100	-3.00	153+0.000			211,357	210,755	0,602	6,023	211,447	1.50	6,816	210,918
-8,629	211,195	-8,568	211,237	-3.00	153+7.586	ST		211,494	210,829	0,665	6,038	211,494	0.00	6,674	211,069
-8,785	211,318	-8,568	211,463	-3.00	154+0.000			211,720	210,937	0,783	6,062	211,571	-2.45	6,539	211,253
-8,858	211,638	-8,568	211,832	-3.00	155+0.000		PTV	212,089	211,198	0,891	6,068	211,907	-3.00	6,346	211,721
-8,917	211,974	-8,568	212,207	-3.00	156+0.000		PTV	212,464	211,655	0,809	6,068	212,282	-3.00	6,335	212,104
-9,017	212,286	-8,568	212,585	-3.00	157+0.000			212,842	212,226	0,616	6,068	212,660	-3.00	6,201	212,571
-9,032	212,654	-8,568	212,963	-3.00	158+0.000			213,220	212,428	0,792	6,068	213,038	-3.00	6,144	212,987
-8,813	213,178	-8,568	213,341	-3.00	159+0.000			213,598	212,585	1,013	6,068	213,416	-3.00	6,162	213,353
-9,129	213,345	-8,568	213,719	-3.00	160+0.000			213,976	213,136	0,840	6,068	213,794	-3.00	6,309	213,633
-9,277	213,624	-8,568	214,097	-3.00	161+0.000			214,354	213,289	1,065	6,068	214,172	-3.00	6,718	213,739
-9,108	214,115	-8,568	214,476	-3.00	162+0.000		PCV	214,733	213,917	0,816	6,068	214,551	-3.00	6,755	214,092
-9,117	214,487	-8,568	214,853	-3.00	163+0.000			215,110	214,466	0,644	6,068	214,928	-3.00	6,603	214,571
-8,974	214,958	-8,568	215,228	-3.00	164+0.000			215,485	214,955	0,530	6,068	215,303	-3.00	6,505	215,012
-9,262	215,139	-8,568	215,602	-3.00	165+0.000			215,859	215,292	0,567	6,068	215,677	-3.00	6,489	215,396
-9,621	215,272	-8,568	215,974	-3.00	166+0.000			216,231	215,431	0,800	6,068	216,049	-3.00	6,836	215,537
-9,942	215,429	-8,568	216,345	-3.00	167+0.000			216,602	215,696	0,906	6,068	216,420	-3.00	6,710	215,991
-9,912	215,818	-8,568	216,714	-3.00	168+0.000		PTV	216,971	215,904	1,067	6,068	216,789	-3.00	6,766	216,323
-9,365	216,550	-8,568	217,082	-3.00	169+0.000			217,339	216,235	1,104	6,068	217,157	-3.00	6,597	216,803
-9,535	216,804	-8,568	217,449	-3.00	170+0.000			217,706	217,096	0,610	6,068	217,524	-3.00	6,707	217,098
-9,139	217,437	-8,568	217,817	-3.00	171+0.000			218,074	217,019	1,055	6,068	217,892	-3.00	6,396	217,673
-9,066	217,853	-8,568	218,185	-3.00	172+0.000			218,442	218,345	0,097	6,068	218,260	-3.00	7,120	219,312
-8,785	218,409	-8,568	218,553	-3.00	173+0.000		PCV	218,810	218,293	0,517	6,068	218,628	-3.00	6,647	219,208
-8,933	218,670	-8,568	218,913	-3.00	174+0.000			219,170	218,588	0,582	6,068	218,988	-3.00	6,785	219,706
-8,951	219,002	-8,568	219,257	-3.00	175+0.000			219,514	218,898	0,616	6,068	219,332	-3.00	6,865	220,130
-8,806	219,427	-8,568	219,586	-3.00	176+0.000			219,843	219,267	0,576	6,068	219,661	-3.00	7,049	220,642
-8,854	219,707	-8,568	219,898	-3.00	177+0.000			220,155	219,369	0,786	6,068	219,973	-3.00	6,744	220,649
-8,668	220,127	-8,568	220,195	-3.00	178+0.000			220,452	219,680	0,772	6,068	220,270	-3.00	8,170	222,372

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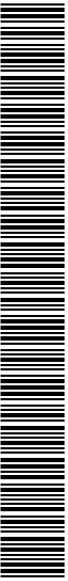


SINFRA-PRO-2025/15686



Nota de Serviço de Terraplenagem														
MT 469 - 0+0.000 760+10.000														
Lado Esquerdo					Eixo					Lado Direito				
OFFSET		BORDO ESQUERDO			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	BORDO DIREITO			OFFSET
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)
-8,738	220,646	-8,568	220,476	-3.00	179+0.000			220,733	220,441	0,292	6,068	220,551	-3.00	8,830
-8,768	220,941	-8,568	220,740	-3.00	180+0.000			220,997	220,854	0,143	6,068	220,815	-3.00	7,085
-8,848	221,270	-8,568	220,989	-3.00	181+0.000			221,247	221,404	-0,157	6,068	221,064	-3.00	7,226
-8,867	221,522	-8,568	221,223	-3.00	182+0.000			221,480	221,766	-0,286	6,068	221,298	-3.00	6,942
-8,914	221,209	-8,568	221,440	-3.00	183+0.000		PTV	221,697	221,599	0,098	6,068	221,515	-3.00	8,409
-8,594	221,676	-8,568	221,650	-3.00	184+0.000			221,907	221,617	0,290	6,068	221,725	-3.00	6,862
-8,961	221,597	-8,568	221,859	-3.00	185+0.000		PCV	222,116	221,639	0,477	6,068	221,934	-3.00	6,385
-8,975	221,795	-8,568	222,066	-3.00	186+0.000			222,323	221,763	0,560	6,068	222,141	-3.00	6,741
-9,343	221,752	-8,568	222,269	-3.00	187+0.000			222,526	222,134	0,392	6,068	222,344	-3.00	6,351
-8,980	222,192	-8,568	222,468	-3.00	188+0.000			222,725	222,230	0,495	6,068	222,543	-3.00	6,258
-8,721	222,559	-8,568	222,662	-3.00	189+0.000			222,919	222,300	0,619	6,068	222,737	-3.00	6,272
-9,318	222,351	-8,568	222,851	-3.00	190+0.000			223,108	222,409	0,699	6,068	222,926	-3.00	6,301
-8,817	222,870	-8,568	223,037	-3.00	191+0.000		PTV	223,294	223,154	0,140	6,068	223,112	-3.00	6,591
-8,826	223,047	-8,568	223,220	-3.00	192+0.000			223,477	223,439	0,038	6,068	223,295	-3.00	6,911
-9,156	223,010	-8,568	223,403	-3.00	193+0.000			223,660	223,081	0,579	6,068	223,478	-3.00	6,549
-9,099	223,232	-8,568	223,586	-3.00	194+0.000			223,843	223,241	0,602	6,068	223,661	-3.00	6,233
-8,967	223,503	-8,568	223,769	-3.00	195+0.000		PCV	224,026	223,351	0,675	6,068	223,844	-3.00	6,378
-9,121	223,560	-8,568	223,929	-3.00	196+0.000			224,186	223,299	0,887	6,068	224,004	-3.00	6,518
-9,379	223,504	-8,568	224,044	-3.00	197+0.000			224,301	223,591	0,710	6,068	224,119	-3.00	6,280
-8,644	224,191	-8,568	224,114	-3.00	198+0.000			224,371	224,233	0,138	6,068	224,189	-3.00	6,555
-9,324	223,634	-8,568	224,138	-3.00	199+0.000			224,395	224,204	0,191	6,068	224,213	-3.00	6,487
-9,603	223,531	-8,554	224,231	-1.68	200+0.000			224,374	224,292	0,082	6,068	224,192	-3.00	6,331
-8,877	224,116	-8,538	224,342	0.00	200+11.389	TS		224,342	224,201	0,141	6,068	224,160	-3.00	6,303
-8,760	224,260	-8,526	224,416	1.27	201+0.000		PTV	224,308	224,063	0,245	6,068	224,126	-3.00	6,328
-11,397	222,646	-8,500	224,578	4.22	202+0.000			224,219	223,885	0,334	6,081	223,962	-4.22	6,609
-11,519	222,647	-8,486	224,669	5.90	202+11.389	SC		224,168	224,027	0,141	6,099	223,808	-5.90	6,757
-10,715	223,144	-8,486	224,631	5.90	203+0.000			224,130	224,112	0,018	6,099	223,770	-5.90	6,811
-10,239	223,373	-8,486	224,542	5.90	204+0.000		PCV	224,041	224,081	-0,040	6,099	223,681	-5.90	6,981
-10,896	222,901	-8,486	224,508	5.90	204+7.140			224,007	224,263	-0,256	6,099	223,647	-5.90	7,084
-10,586	223,036	-8,486	224,437	5.90	205+0.000			223,936	224,254	-0,318	6,099	223,576	-5.90	7,256
-9,413	223,682	-8,486	224,300	5.90	206+0.000			223,799	223,448	0,351	6,099	223,439	-5.90	6,759
-9,556	223,564	-8,486	224,277	5.90	206+2.892	CS		223,777	223,457	0,320	6,099	223,417	-5.90	6,584

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SINFRA-PRO-2025/15686



Nota de Serviço de Terraplenagem

MT 469 - 0+0.000 760+10.000

Lado Esquerdo					Eixo					Lado Direito					
OFFSET		BORDO ESQUERDO			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	BORDO DIREITO			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-10,000	222,922	-8,507	223,918	3.38	207+0.000			223,631	223,144	0,487	6,072	223,426	-3.38	6,268	223,622
-10,526	222,138	-8,533	223,467	0.43	208+0.000			223,430	223,389	0,041	6,068	223,248	-3.00	6,245	223,426
-10,500	222,090	-8,538	223,399	0.00	208+2.892	ST		223,399	223,634	-0,235	6,068	223,217	-3.00	6,256	223,405
-10,365	221,781	-8,563	222,982	-2.52	209+0.000			223,198	222,792	0,406	6,068	223,016	-3.00	6,099	223,047
-12,211	220,248	-8,568	222,677	-3.00	210+0.000		PTV	222,934	221,898	1,036	6,068	222,752	-3.00	6,640	222,370
-13,767	218,931	-8,568	222,397	-3.00	211+0.000			222,654	221,712	0,942	6,068	222,472	-3.00	6,895	221,921
-12,585	219,439	-8,568	222,117	-3.00	212+0.000			222,374	221,640	0,734	6,068	222,192	-3.00	7,024	221,554
-12,606	219,145	-8,568	221,837	-3.00	213+0.000			222,094	220,814	1,280	6,068	221,912	-3.00	7,201	221,157
-10,871	220,022	-8,568	221,557	-3.00	214+0.000			221,814	219,872	1,942	6,068	221,632	-3.00	7,086	220,953
-9,457	220,684	-8,568	221,277	-3.00	215+0.000			221,534	219,707	1,827	6,068	221,352	-3.00	7,325	220,514
-8,688	221,118	-8,568	220,997	-3.00	216+0.000			221,255	220,433	0,822	6,068	221,072	-3.00	6,916	220,507
-10,261	219,589	-8,568	220,718	-3.00	217+0.000			220,975	220,685	0,290	6,068	220,793	-3.00	6,624	220,421
-10,362	219,242	-8,568	220,438	-3.00	218+0.000			220,695	219,964	0,731	6,068	220,513	-3.00	6,692	220,096
-10,764	218,694	-8,568	220,158	-3.00	219+0.000		PCV	220,415	219,383	1,032	6,068	220,233	-3.00	6,918	219,666
-10,035	218,925	-8,568	219,904	-3.00	220+0.000			220,161	219,182	0,979	6,068	219,979	-3.00	6,129	219,937
-10,742	218,251	-8,568	219,701	-3.00	221+0.000			219,958	218,791	1,167	6,068	219,776	-3.00	7,126	219,070
-10,646	218,164	-8,568	219,550	-3.00	222+0.000			219,807	218,640	1,167	6,068	219,625	-3.00	7,082	218,948
-11,024	217,813	-8,568	219,450	-3.00	223+0.000			219,707	219,069	0,638	6,068	219,525	-3.00	6,807	219,032
-10,752	217,946	-8,568	219,402	-3.00	224+0.000			219,659	218,233	1,426	6,068	219,477	-3.00	6,779	219,003
-11,343	217,555	-8,568	219,406	-3.00	225+0.000		PTV	219,663	217,920	1,743	6,068	219,481	-3.00	6,737	219,034
-11,269	217,634	-8,568	219,435	-3.00	226+0.000			219,692	217,939	1,753	6,068	219,510	-3.00	7,256	218,718
-11,253	217,674	-8,568	219,465	-3.00	227+0.000			219,722	218,093	1,629	6,068	219,540	-3.00	6,954	218,949
-11,137	217,781	-8,568	219,494	-3.00	228+0.000		PCV	219,751	217,864	1,887	6,068	219,569	-3.00	7,437	218,656
-11,409	217,616	-8,568	219,510	-3.00	229+0.000			219,767	217,830	1,937	6,068	219,585	-3.00	7,701	218,496
-11,252	217,711	-8,568	219,501	-3.00	230+0.000			219,758	217,905	1,853	6,068	219,576	-3.00	7,294	218,758
-10,608	218,105	-8,568	219,465	-3.00	231+0.000			219,722	218,232	1,490	6,068	219,540	-3.00	7,457	218,614
-10,217	218,304	-8,568	219,404	-3.00	232+0.000			219,661	218,390	1,271	6,068	219,479	-3.00	7,915	218,247
-10,192	218,233	-8,568	219,316	-3.00	233+0.000			219,573	218,388	1,185	6,068	219,391	-3.00	7,357	218,531
-9,247	218,749	-8,568	219,203	-3.00	234+0.000		PTV	219,460	218,685	0,775	6,068	219,278	-3.00	6,756	218,819
-8,599	219,108	-8,568	219,076	-3.00	235+0.000			219,333	218,948	0,385	6,068	219,151	-3.00	6,330	218,976
-8,828	219,211	-8,568	218,950	-3.00	236+0.000			219,207	219,079	0,128	6,068	219,025	-3.00	6,088	219,046
-8,986	219,242	-8,568	218,823	-3.00	237+0.000			219,081	219,082	-0,001	6,068	218,898	-3.00	6,196	219,027

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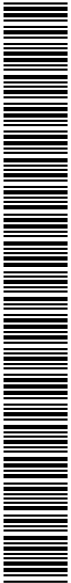
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Nota de Serviço de Terraplenagem															
MT 469 - 0+0.000 760+10.000															
Lado Esquerdo					Eixo						Lado Direito				
OFFSET		BORDO ESQUERDO			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	BORDO DIREITO			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-9,060	219,189	-8,568	218,697	-3.00	238+0.000		PCV	218,954	219,030	-0,076	6,068	218,772	-3.00	6,284	218,988
-9,069	219,036	-8,568	218,535	-3.00	239+0.000			218,792	218,876	-0,084	6,068	218,610	-3.00	6,213	218,755
-9,123	218,857	-8,568	218,301	-3.00	240+0.000			218,558	218,591	-0,033	6,068	218,376	-3.00	6,143	218,451
-9,188	218,617	-8,568	217,996	-3.00	241+0.000			218,253	218,309	-0,056	6,068	218,071	-3.00	6,207	218,210
-9,220	218,272	-8,568	217,619	-3.00	242+0.000			217,876	218,046	-0,170	6,068	217,694	-3.00	6,303	217,930
-9,310	217,913	-8,568	217,171	-3.00	243+0.000			217,428	217,678	-0,250	6,068	217,246	-3.00	6,315	217,493
-9,446	217,530	-8,568	216,651	-3.00	244+0.000		PTV	216,908	217,171	-0,263	6,068	216,726	-3.00	6,423	217,082
-9,509	217,037	-8,568	216,096	-3.00	245+0.000			216,353	216,736	-0,383	6,068	216,171	-3.00	6,496	216,600
-9,614	216,586	-8,568	215,540	-3.00	246+0.000			215,797	216,394	-0,597	6,068	215,615	-3.00	6,967	216,514
-9,595	216,012	-8,568	214,985	-3.00	247+0.000		PCV	215,242	215,806	-0,564	6,068	215,060	-3.00	6,740	215,732
-9,607	215,457	-8,568	214,417	-3.00	248+0.000			214,674	215,256	-0,582	6,068	214,492	-3.00	6,675	215,100
-9,574	214,832	-8,568	213,825	-3.00	249+0.000			214,082	214,701	-0,619	6,068	213,900	-3.00	6,601	214,434
-9,604	214,247	-8,568	213,210	-3.00	250+0.000			213,467	214,023	-0,556	6,068	213,285	-3.00	6,573	213,790

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4.4. Notas de Serviço de Terraplenagem da Interseção



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Ramo 01 - 0+0.000 9+8.822													
Lado Esquerdo			Eixo						Lado Direito				
Bordo_Regul arização			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Terraplenagem	Cota Terreno	Cota Vermel ha	Bordo_Regul arização			OFFSET	
Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-5,000	227,050	3.00	0+0.000			226,900	226,487	0,413	1,068	226,868	-3.00	1,468	226,601
-5,000	227,113	3.00	0+10.000			226,963	227,019	-0,056	1,068	226,931	-3.00	1,134	226,997
-5,000	227,176	3.00	0+20.000			227,026	227,182	-0,156	1,068	226,994	-3.00	1,134	226,997
-5,000	227,239	3.00	1+10.000			227,089	227,136	-0,047	1,068	227,057	-3.00	1,161	227,150
-5,000	227,278	3.00	1+16.226			227,128	227,305	-0,177	1,068	227,096	-3.00	1,204	227,232
-5,000	227,302	3.00	1+20.000		PCV	227,152	227,341	-0,189	1,068	227,120	-3.00	1,198	227,250
-5,000	227,357	3.00	2+10.000			227,207	227,420	-0,213	1,068	227,175	-3.00	1,200	227,307
-5,000	226,517	3.00	5+10.000			226,367	226,241	0,126	1,068	226,335	-3.00	1,242	226,219
-5,000	226,360	3.00	5+20.000			226,210	225,744	0,466	1,068	226,178	-3.00	1,777	225,704
-5,000	226,290	3.00	6+10.000			226,140	225,685	0,455	1,068	226,108	-3.00	2,402	225,218
-5,000	226,287	3.00	6+14.158			226,137	225,698	0,439	1,068	226,105	-3.00	2,350	225,250
-5,000	226,309	3.00	6+20.000			226,159	226,777	-0,618	1,068	226,127	-3.00	1,205	226,264
-5,000	226,415	3.00	7+10.000		PTV	226,265	226,672	-0,407	1,068	226,233	-3.00	1,091	226,256
-5,000	226,599	3.00	7+20.000			226,449	227,559	-1,110	1,068	226,417	-3.00	1,753	227,103
-5,000	226,794	3.00	8+10.000			226,644	227,189	-0,545	1,068	226,612	-3.00	1,203	226,747
-5,000	226,989	3.00	8+20.000			226,839	227,732	-0,893	1,068	226,807	-3.00	1,522	227,261
-5,000	227,102	3.00	9+5.822	PT		226,952	227,393	-0,441	1,068	226,920	-3.00	1,233	227,086
-5,000	227,161	3.00	9+8.822			227,011	227,436	-0,425	1,068	226,979	-3.00	1,377	226,772

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Ramo 02 - 0+0.000 5+6.466													
Lado Esquerdo			Eixo						Lado Direito				
Bordo_Regul arização			Estaca	Pontos Notáveis da Geometri a Horizontal	Pontos Notáveis da Geometri a Vertical	Cota Terra plenagem	Cota Terreno	Cota Vermel ha	Bordo_Regul arização			OFFSET	
Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-5,000	229,432	3.00	0+0.000			229,282	229,707	-0,425	1,068	229,250	-3.00	1,235	229,418
-5,000	229,125	3.00	0+10.000			228,975	229,007	-0,032	1,068	228,943	-3.00	1,316	228,778
-5,000	228,818	3.00	1+0.000		PCV	228,668	229,683	-1,015	1,068	228,636	-3.00	1,616	229,184
-5,000	228,576	3.00	1+8.160	PC		228,426	229,566	-1,140	1,068	228,394	-3.00	1,982	229,308
-5,000	228,524	3.00	1+10.000			228,374	229,520	-1,146	1,068	228,342	-3.00	1,997	229,271
-5,000	228,256	3.00	2+0.000			228,106	228,816	-0,710	1,068	228,074	-3.00	1,656	228,662
-5,000	227,798	3.00	3+0.000			227,648	227,554	0,094	1,068	227,616	-3.00	1,111	227,587
-5,000	227,609	3.00	3+10.000			227,459	227,679	-0,220	1,068	227,427	-3.00	1,341	227,700
-5,000	227,538	3.00	3+14.152	PT		227,388	227,448	-0,060	1,068	227,356	-3.00	1,286	227,574
-5,000	227,446	3.00	4+0.000		PTV	227,296	227,330	-0,034	1,068	227,264	-3.00	1,257	227,453
-5,000	227,296	3.00	4+10.000			227,146	226,936	0,210	1,068	227,114	-3.00	1,198	227,245
-5,000	227,146	3.00	5+0.000			226,996	226,643	0,353	1,068	226,964	-3.00	1,380	226,756
-5,000	227,049	3.00	5+6.466			226,899	226,199	0,700	1,068	226,867	-3.00	1,645	226,482

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Ramo 03 - 0+0.000 9+3.138													
Lado Esquerdo			Eixo							Lado Direito			
Bordo_Regul arização			Estaca	Pontos Notáveis da Geometri a Horizontal	Pontos Notáveis da Geometri a Vertical	Cota Terra plenagem	Cota Terreno	Cota Vermel ha	Bordo_Regul arização			OFFSET	
Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-5,000	227,161	3.00	0+0.000			227,011	227,302	-0,291	1,068	226,979	-3.00	1,096	227,007
-5,000	227,248	3.00	0+9.779	PC		227,098	227,235	-0,137	1,068	227,066	-3.00	1,489	226,785
-5,000	227,250	3.00	0+10.000			227,100	227,242	-0,142	1,068	227,068	-3.00	1,475	226,797
-5,000	227,340	3.00	1+0.000			227,190	227,152	0,038	1,068	227,158	-3.00	1,425	226,920
-5,000	227,429	3.00	1+10.000			227,279	227,355	-0,076	1,068	227,247	-3.00	1,212	227,151
-5,000	227,518	3.00	2+0.000			227,368	226,926	0,442	1,068	227,336	-3.00	2,238	226,556
-5,000	227,608	3.00	2+10.000		PCV	227,458	226,339	1,119	1,068	227,426	-3.00	3,566	225,760
-5,000	227,685	3.00	2+18.546			227,535	226,459	1,076	1,068	227,503	-3.00	3,518	225,870
-5,000	227,699	3.00	3+0.000			227,549	226,457	1,092	1,068	227,517	-3.00	3,475	225,912
-5,000	227,798	3.00	3+10.000			227,648	226,393	1,255	1,068	227,616	-3.00	3,124	226,245
-5,000	227,904	3.00	4+0.000			227,754	226,710	1,044	1,068	227,722	-3.00	2,608	226,695
-5,000	228,017	3.00	4+10.000			227,867	227,190	0,677	1,068	227,835	-3.00	1,938	227,255
-0,985	228,425	3.00	6+10.000			228,396	228,367	0,029	1,068	228,364	-3.00	1,164	228,460
-7,483	228,771	3.00	7+0.000			228,546	228,157	0,389	1,068	228,514	-3.00	1,442	228,265
-5,000	228,855	3.00	7+10.000			228,705	228,406	0,299	1,068	228,673	-3.00	1,993	228,056
-5,000	228,894	3.00	7+12.410			228,744	228,529	0,215	1,068	228,712	-3.00	2,036	228,066
-5,000	229,020	3.00	8+0.000			228,870	228,713	0,157	1,068	228,838	-3.00	1,950	228,250
-5,000	229,194	3.00	8+10.000		PTV	229,044	228,059	0,985	1,068	229,012	-3.00	3,024	227,708
-5,000	229,374	3.00	9+0.000			229,224	229,191	0,033	1,068	229,192	-3.00	1,489	228,911
-5,000	229,400	3.00	9+1.393	PT		229,250	229,285	-0,035	1,068	229,218	-3.00	1,403	228,994
-5,000	229,432	3.00	9+3.138			229,282	229,365	-0,083	1,068	229,250	-3.00	1,297	229,097

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SINFRA-PRO-2025/15686





Rótula - 0+0.000 8+12.788															
Lado Esquerdo					Eixo					Lado Direito					
OFFSET		Bordo_Regularização			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Terraplenagem	Cota Terreno	Cota Vermelha	Bordo_Regularização			OFFSET	
Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)
-11,477	227,219	-10,668	226,410	-3.00	0+0.000			226,730	227,155	-0,425	0.610	226,749	3.00	0.958	227,097
-11,106	227,110	-10,668	226,672	-3.00	0+10.000			226,992	226,987	0,005	0.610	227,010	3.00	0.702	226,945
-10,837	227,103	-10,668	226,934	-3.00	0+20.000			227,254	226,674	0,580	0.610	227,272	3.00	1,598	226,613
-11,903	228,431	-10,668	227,195	-3.00	1+10.000		PCV	227,515	227,322	0,193	0.610	227,534	3.00	1,023	227,258
-12,159	228,916	-10,668	227,424	-3.00	1+19.536			227,744	228,628	-0,884	0.610	227,762	3.00	1,439	228,591
-12,158	228,925	-10,668	227,434	-3.00	1+20.000			227,754	228,605	-0,851	0.610	227,773	3.00	1,405	228,568
-11,782	228,742	-10,668	227,628	-3.00	2+10.000			227,948	227,802	0,146	0.610	227,966	3.00	1,049	227,673
-11,342	228,450	-10,668	227,776	-3.00	2+20.000			228,096	227,664	0,432	0.610	228,114	3.00	1,215	227,710
-11,161	228,372	-10,668	227,878	-3.00	3+10.000			228,198	228,296	-0,098	0.610	228,216	3.00	0.821	228,427
-11,236	228,500	-10,668	227,931	-3.00	3+19.072	PCC		228,251	228,491	-0,240	0.610	228,270	3.00	0.735	228,395
-11,254	228,521	-10,668	227,935	-3.00	3+20.000			228,255	228,506	-0,251	0.610	228,273	3.00	0.746	228,410
-11,346	228,625	-10,668	227,946	-3.00	4+10.000			228,266	228,334	-0,068	0.610	228,284	3.00	0.754	228,428
-11,876	229,121	-10,668	227,912	-3.00	4+20.000			228,232	228,796	-0,564	0.610	228,250	3.00	1,053	228,693
-12,081	229,246	-10,668	227,832	-3.00	5+10.000			228,152	229,446	-1,294	0.610	228,171	3.00	1,883	229,444
-11,260	228,300	-10,668	227,707	-3.00	5+20.000			228,027	228,459	-0,432	0.610	228,045	3.00	1,017	228,453
-10,882	227,825	-10,668	227,611	-3.00	6+5.930			227,931	228,103	-0,172	0.610	227,950	3.00	0.768	228,108
-10,957	227,826	-10,668	227,536	-3.00	6+10.000			227,856	228,116	-0,260	0.610	227,875	3.00	0.832	228,097
-10,771	227,423	-10,668	227,320	-3.00	6+20.000			227,640	227,382	0,258	0.610	227,659	3.00	1,021	227,385
-11,157	227,548	-10,668	227,058	-3.00	7+10.000		PTV	227,379	227,457	-0,078	0.610	227,397	3.00	0.672	227,459
-11,346	227,452	-10,668	226,774	-3.00	7+20.000			227,094	227,399	-0,305	0.610	227,112	3.00	0.840	227,342
-11,437	227,259	-10,668	226,490	-3.00	8+10.000			226,810	227,245	-0,435	0.610	226,828	3.00	0.971	227,185
-11,437	227,180	-10,668	226,410	-3.00	8+12.788			226,730	227,155	-0,425	0.610	226,749	3.00	0.971	227,109

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SINFRA-PRO-2025/15686



5. CÁLCULO DOS VOLUMES



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SINFRACAP202582182A





RODOVIA: MT 469 TRECHO: RONDONÓPOLIS - JUSCIMEIRA SUBTRECHO: ENTR. MT-270 - DIV. RONDONÓPOLIS/JUSCIMEIRA EXTENSÃO: 5,00KM											
Cálculo de Volume por Comparação de Perfis: Terreno x Projeto											
ESTACA		SEMI DISTÂNCIA	ÁREA DE CORTE	VOLUME DE CORTE	ÁREA DE ATERRO	VOLUME DE ATERRO	VOLUME DE CORTE ACUMULADO	VOLUME DE ATERRO ACUMULADO		100% PN	100% PI
INTERSEÇÃO - INTERVALO ENTRE AS ESTACAS 0 - 5											
5	+	0	-	-	-	11,373	-	-	-	-	-
6	+	0	10,000	-	-	11,022	223,950	-	223,950	66,950	157,000
7	+	0	10,000	-	-	12,446	234,680	-	458,630	77,680	157,000
8	+	0	10,000	-	-	10,519	229,650	-	688,280	72,650	157,000
9	+	0	10,000	0,407	4,070	4,315	148,340	4,070	836,620	26,690	121,650
10	+	0	10,000	8,436	88,430	-	43,150	92,500	879,770	-	43,150
11	+	0	10,000	-	84,360	13,110	131,100	176,860	1,010,870	52,600	78,500
12	+	0	10,000	3,064	30,640	0,299	134,090	207,500	1,144,960	52,600	81,490
13	+	0	10,000	2,804	58,680	1,093	13,920	266,180	1,158,880	-	13,920
14	+	0	10,000	3,589	63,930	1,205	22,980	330,110	1,181,860	-	22,980
15	+	0	10,000	3,041	66,300	1,194	23,990	396,410	1,205,850	-	23,990
15	+	0	-	3,041	-	1,194	-	396,410	1,205,850	-	-
16	+	0	10,000	7,746	107,870	5,164	63,580	504,280	1,269,430	-	63,580
17	+	0	10,000	11,921	196,670	-	51,640	700,950	1,321,070	-	51,640
17	+	0	-	11,921	-	-	-	700,950	1,321,070	-	-
18	+	0	10,000	8,614	205,350	-	-	906,300	1,321,070	-	-
19	+	0	10,000	10,834	194,480	-	-	1,100,780	1,321,070	-	-
20	+	0	10,000	10,795	216,290	-	-	1,317,070	1,321,070	-	-
20	+	13,198	6,590	11,266	145,581	-	-	1,462,651	1,321,070	-	-
21	+	0	3,410	12,082	79,407	-	-	1,542,058	1,321,070	-	-
22	+	0	10,000	16,363	284,450	-	-	1,826,508	1,321,070	-	-
23	+	0	10,000	13,840	302,030	-	-	2,128,538	1,321,070	-	-
24	+	0	10,000	5,938	197,780	-	-	2,326,318	1,321,070	-	-
24	+	6,395	3,1975	3,953	31,626	0,435	1,391	2,357,944	1,322,461	-	1,391
25	+	0	6,8025	0,171	28,054	4,880	36,155	2,385,998	1,358,616	-	36,155
26	+	0	10,000	0,137	3,080	5,345	102,250	2,389,078	1,460,866	-	102,250
26	+	6,395	3,1975	1,144	4,096	3,351	27,805	2,393,174	1,488,671	-	27,805
27	+	0	6,8025	-	7,782	4,690	54,699	2,400,956	1,543,370	-	54,699
28	+	0	10,000	0,296	2,960	5,965	106,550	2,403,916	1,649,920	-	106,550
28	+	20	10,000	-	2,960	7,207	131,720	2,406,876	1,781,640	-	131,720
29	+	0	-	-	-	7,207	-	2,406,876	1,781,640	-	-
30	+	0	10,000	-	-	11,874	190,810	2,406,876	1,972,450	40,240	150,570
30	+	20	10,000	-	-	15,466	273,400	2,406,876	2,245,850	116,400	157,000
31	+	0	-	-	-	15,466	-	2,406,876	2,245,850	-	-
32	+	0	10,000	-	-	20,637	361,030	2,406,876	2,606,880	204,030	157,000
33	+	0	10,000	-	-	22,042	426,790	2,406,876	3,033,670	269,790	157,000
34	+	0	10,000	-	-	19,399	414,410	2,406,876	3,448,080	257,410	157,000
34	+	11,893	5,9465	0,068	0,404	7,322	158,896	2,407,280	3,606,976	68,676	90,220
35	+	0	4,0535	-	0,276	6,634	56,571	2,407,556	3,663,547	-	56,571
36	+	0	10,000	0,024	0,240	4,992	116,260	2,407,796	3,779,807	-	116,260
37	+	0	10,000	0,518	5,420	5,463	104,550	2,413,216	3,884,357	-	104,550
38	+	0	10,000	-	5,180	7,355	128,180	2,418,396	4,012,537	-	128,180
38	+	3,787	1,8935	-	-	8,004	29,082	2,418,396	4,041,619	0,292	28,790
39	+	0	8,1065	-	-	8,864	136,740	2,418,396	4,178,359	9,468	127,272
40	+	0	10,000	-	-	10,733	195,970	2,418,396	4,374,329	38,970	157,000
40	+	3,787	1,8935	-	-	11,075	41,293	2,418,396	4,415,622	11,565	29,728
41	+	0	8,1065	-	-	12,847	193,924	2,418,396	4,609,546	66,652	127,272
42	+	0	10,000	-	-	16,084	289,310	2,418,396	4,898,856	132,310	157,000
43	+	0	10,000	-	-	17,837	339,210	2,418,396	5,238,066	182,210	157,000
44	+	0	10,000	-	-	16,627	344,640	2,418,396	5,582,706	187,640	157,000
45	+	0	10,000	-	-	11,888	285,150	2,418,396	5,867,856	128,150	157,000
46	+	0	10,000	-	-	10,853	227,410	2,418,396	6,095,266	70,410	157,000
47	+	0	10,000	-	-	10,380	212,330	2,418,396	6,307,596	55,330	157,000
48	+	0	10,000	-	-	10,313	206,930	2,418,396	6,514,526	49,930	157,000

Assinado por: ALISON PULCINO DOS SANTOS em 17/06/2025, AMANDA CRISTINA REZENDE ARAUJO em 12/09/2025. Juntado em 16/09/2025 09:07:15 por AMANDA ARAUJO.



SINFRA-PRO-2025/15686





RODOVIA:		MT 469									
TRECHO:		RONDONÓPOLIS - JUSCIMEIRA									
SUBTRECHO:		ENTR. MT-270 - DIV. RONDONÓPOLIS/JUSCIMEIRA									
EXTENSÃO:		5,00KM									
Cálculo de Volume por Comparação de Perfis: Terreno x Projeto											
ESTACA		SEMI DISTÂNCIA	ÁREA DE CORTE	VOLUME DE CORTE	ÁREA DE ATERRO	VOLUME DE ATERRO	VOLUME DE CORTE ACUMULADO	VOLUME DE ATERRO ACUMULADO	100% PN	100% PI	
INTERSEÇÃO - INTERVALO ENTRE AS ESTACAS 0 - 5											
49	+	0	10,0000	-	-	11,044	213,570	2,418,396	6,728,096	56,570	157,000
50	+	0	10,0000	-	-	11,249	222,930	2,418,396	6,951,026	65,930	157,000
51	+	0	10,0000	-	-	9,370	206,190	2,418,396	7,157,216	49,190	157,000
52	+	0	10,0000	-	-	7,376	167,460	2,418,396	7,324,676	15,200	152,260
53	+	0	10,0000	0,066	0,660	4,340	117,160	2,419,056	7,441,836	-	117,160
54	+	0	10,0000	0,818	8,840	2,900	72,400	2,427,896	7,514,236	-	72,400
55	+	0	10,0000	1,100	19,180	1,213	41,130	2,447,076	7,555,366	-	41,130
56	+	0	10,0000	2,204	33,040	1,246	24,590	2,480,116	7,579,956	-	24,590
57	+	0	10,0000	2,371	45,750	0,826	20,720	2,525,866	7,600,676	-	20,720
58	+	0	10,0000	5,768	81,390	-	8,260	2,607,256	7,608,936	-	8,260
59	+	0	10,0000	7,633	134,010	-	-	2,741,266	7,608,936	-	-
60	+	0	10,0000	6,265	138,980	-	-	2,880,246	7,608,936	-	-
61	+	0	10,0000	6,921	131,860	-	-	3,012,106	7,608,936	-	-
62	+	0	10,0000	6,460	133,810	0,206	2,060	3,145,916	7,610,996	-	2,060
63	+	0	10,0000	7,078	135,380	-	2,060	3,281,296	7,613,056	-	2,060
64	+	0	10,0000	2,398	94,760	1,429	14,290	3,376,056	7,627,346	-	14,290
65	+	0	10,0000	0,503	29,010	5,796	72,250	3,405,066	7,699,596	-	72,250
66	+	0	10,0000	-	5,030	14,777	205,730	3,410,096	7,905,326	69,270	136,460
67	+	0	10,0000	-	-	19,901	346,780	3,410,096	8,252,106	189,780	157,000
68	+	0	10,0000	4,825	48,250	21,601	415,020	3,458,346	8,667,126	258,020	157,000
69	+	0	10,0000	-	48,250	65,247	868,480	3,506,596	9,535,606	711,480	157,000
70	+	0	10,0000	-	-	50,699	1,159,460	3,506,596	10,695,066	1,002,460	157,000
71	+	0	10,0000	-	-	41,726	924,250	3,506,596	11,619,316	767,250	157,000
72	+	0	10,0000	-	-	28,342	700,680	3,506,596	12,319,996	543,680	157,000
73	+	0	10,0000	-	-	13,360	417,020	3,506,596	12,737,016	260,020	157,000
73	+	11,863	5,9315	-	-	9,045	132,895	3,506,596	12,869,911	39,771	93,124
74	+	0	4,0685	-	-	8,197	70,149	3,506,596	12,940,060	6,274	63,875
74	+	8,065	4,0325	0,168	0,677	6,650	59,871	3,507,273	12,999,931	1,399	58,472
75	+	0	5,9675	0,522	4,118	4,342	65,595	3,511,391	13,065,526	-	65,595
75	+	4,268	2,1340	0,982	3,210	3,876	17,537	3,514,601	13,083,063	-	17,537
76	+	0	7,8660	0,831	14,261	1,205	39,967	3,528,862	13,123,030	-	39,967
77	+	0	10,0000	1,861	26,920	0,504	17,090	3,555,782	13,140,120	-	17,090
78	+	0	10,0000	5,516	73,770	-	5,040	3,629,552	13,145,160	-	5,040
79	+	0	10,0000	6,083	115,990	-	-	3,745,542	13,145,160	-	-
80	+	0	10,0000	6,968	130,510	-	-	3,876,052	13,145,160	-	-
81	+	0	10,0000	7,540	145,080	-	-	4,021,132	13,145,160	-	-
82	+	0	10,0000	7,363	149,030	-	-	4,170,162	13,145,160	-	-
83	+	0	10,0000	5,639	130,020	-	-	4,300,182	13,145,160	-	-
84	+	0	10,0000	4,079	97,180	-	-	4,397,362	13,145,160	-	-
85	+	0	10,0000	2,275	63,540	0,003	0,030	4,460,902	13,145,190	-	0,030
86	+	0	10,0000	0,305	25,800	0,937	9,400	4,486,702	13,154,590	-	9,400
87	+	0	10,0000	-	3,050	2,567	35,040	4,489,752	13,189,630	-	35,040
88	+	0	10,0000	-	-	5,076	76,430	4,489,752	13,266,060	-	76,430
89	+	0	10,0000	-	-	7,455	125,310	4,489,752	13,391,370	-	125,310
90	+	0	10,0000	-	-	8,933	163,880	4,489,752	13,555,250	10,830	153,050
91	+	0	10,0000	-	-	10,217	191,500	4,489,752	13,746,750	34,500	157,000
92	+	0	10,0000	-	-	10,331	205,480	4,489,752	13,952,230	48,480	157,000
93	+	0	10,0000	-	-	12,156	224,870	4,489,752	14,177,100	67,870	157,000
94	+	0	10,0000	-	-	14,134	262,900	4,489,752	14,440,000	105,900	157,000
95	+	0	10,0000	-	-	12,188	263,220	4,489,752	14,703,220	106,220	157,000
96	+	0	10,0000	-	-	11,490	236,780	4,489,752	14,940,000	79,780	157,000
97	+	0	10,0000	-	-	9,946	214,360	4,489,752	15,154,360	57,360	157,000
98	+	0	10,0000	-	-	8,879	188,250	4,489,752	15,342,610	31,250	157,000
99	+	0	10,0000	-	-	9,732	186,110	4,489,752	15,528,720	29,110	157,000

Assinado por: ALISON PULCINO DOS SANTOS em 17/06/2025, AMANDA CRISTINA REZENDE ARAUJO em 12/09/2025. Juntado em 16/09/2025 09:07:15 por AMANDA ARAUJO.



SINFRA-PRO-2025/15686





RODOVIA: MT 469											
TRECHO: RONDONÓPOLIS - JUSCIMEIRA											
SUBTRECHO: ENTR. MT-270 - DIV. RONDONÓPOLIS/JUSCIMEIRA											
EXTENSÃO: 5,00KM											
Cálculo de Volume por Comparação de Perfis: Terreno x Projeto											
ESTACA			SEMI DISTÂNCIA	ÁREA DE CORTE	VOLUME DE CORTE	ÁREA DE ATERRO	VOLUME DE ATERRO	VOLUME DE CORTE ACUMULADO	VOLUME DE ATERRO ACUMULADO	100% PN	100% PI
INTERSEÇÃO - INTERVALO ENTRE AS ESTACAS 0 - 5											
100	+	0	10,0000	-	-	7,514	172,460	4,489,752	15,701,180	18,820	153,640
101	+	0	10,0000	-	-	6,525	140,390	4,489,752	15,841,570	-	140,390
102	+	0	10,0000	-	-	6,437	129,620	4,489,752	15,971,190	-	129,620
103	+	0	10,0000	0,012	0,120	2,770	92,070	4,489,872	16,063,260	-	92,070
104	+	0	10,0000	-	0,120	4,606	73,760	4,489,992	16,137,020	-	73,760
105	+	0	10,0000	0,023	0,230	3,025	76,310	4,490,222	16,213,330	-	76,310
106	+	0	10,0000	0,010	0,330	3,151	61,760	4,490,552	16,275,090	-	61,760
107	+	0	10,0000	0,400	4,100	1,196	43,470	4,494,652	16,318,560	-	43,470
108	+	0	10,0000	2,074	24,740	0,007	12,030	4,519,392	16,330,590	-	12,030
108	+	20	10,0000	3,885	59,590	-	0,070	4,578,982	16,330,660	-	0,070
109	+	0	-	3,885	-	-	-	4,578,982	16,330,660	-	-
110	+	0	10,0000	7,957	118,420	-	-	4,697,402	16,330,660	-	-
110	+	20	10,0000	9,735	176,920	-	-	4,874,322	16,330,660	-	-
111	+	0	-	9,735	-	-	-	4,874,322	16,330,660	-	-
112	+	0	10,0000	12,318	220,530	-	-	5,094,852	16,330,660	-	-
113	+	0	10,0000	14,353	266,710	-	-	5,361,562	16,330,660	-	-
114	+	0	10,0000	14,175	285,280	-	-	5,646,842	16,330,660	-	-
115	+	0	10,0000	12,382	265,570	-	-	5,912,412	16,330,660	-	-
115	+	18,967	9,4835	10,648	218,405	0,241	2,286	6,130,817	16,332,946	-	2,286
116	+	0	0,5165	10,568	10,958	0,182	0,218	6,141,775	16,333,164	-	0,218
117	+	0	10,0000	7,719	182,870	-	1,820	6,324,645	16,334,984	-	1,820
118	+	0	10,0000	4,609	123,280	1,220	12,200	6,447,925	16,347,184	-	12,200
119	+	0	10,0000	0,218	48,270	15,142	163,620	6,496,195	16,510,804	72,920	90,700
120	+	0	10,0000	-	2,180	23,827	389,690	6,498,375	16,900,494	232,690	157,000
120	+	17,934	8,9670	-	-	33,838	517,082	6,498,375	17,417,576	376,300	140,782
121	+	0	1,0330	-	-	34,685	70,784	6,498,375	17,488,360	54,566	16,218
122	+	0	10,0000	-	-	28,420	631,050	6,498,375	18,119,410	474,050	157,000
122	+	17,934	8,9670	-	-	24,278	472,543	6,498,375	18,591,953	331,761	140,782
123	+	0	1,0330	-	-	25,104	51,012	6,498,375	18,642,965	34,794	16,218
124	+	0	10,0000	-	-	18,354	434,580	6,498,375	19,077,545	277,580	157,000
125	+	0	10,0000	-	-	20,042	383,960	6,498,375	19,461,505	226,960	157,000
126	+	0	10,0000	-	-	12,662	327,040	6,498,375	19,788,545	170,040	157,000
127	+	0	10,0000	0,671	6,710	4,779	174,410	6,505,085	19,962,955	48,120	126,290
127	+	20	10,0000	-	6,710	7,027	118,060	6,511,795	20,081,015	-	118,060
128	+	0	-	-	-	7,027	-	6,511,795	20,081,015	-	-
129	+	0	10,0000	-	-	5,944	129,710	6,511,795	20,210,725	-	129,710
130	+	0	10,0000	0,314	3,140	7,448	133,920	6,514,935	20,344,645	-	133,920
130	+	20	10,0000	-	3,140	14,813	222,610	6,518,075	20,567,255	69,630	152,980
131	+	0	-	-	-	14,813	-	6,518,075	20,567,255	-	-
132	+	0	10,0000	-	-	17,582	323,950	6,518,075	20,891,205	166,950	157,000
133	+	0	10,0000	-	-	17,183	347,650	6,518,075	21,238,855	190,650	157,000
133	+	8,415	4,2075	-	-	16,982	143,749	6,518,075	21,382,604	77,691	66,058
134	+	0	5,7925	-	-	18,542	205,773	6,518,075	21,588,377	114,831	90,942
135	+	0	10,0000	0,035	0,350	14,819	333,610	6,518,425	21,921,987	176,610	157,000
135	+	16,83	8,4150	0,021	0,471	13,194	235,729	6,518,896	22,157,716	103,614	132,115
136	+	0	1,5850	0,008	0,046	13,034	41,571	6,518,942	22,199,287	16,687	24,884
137	+	0	10,0000	-	0,080	12,435	254,690	6,519,022	22,453,977	97,690	157,000
138	+	0	10,0000	-	-	12,109	245,440	6,519,022	22,699,417	88,440	157,000
138	+	16,83	8,4150	-	-	10,677	191,744	6,519,022	22,891,161	59,629	132,115
139	+	0	1,5850	-	-	10,355	33,336	6,519,022	22,924,497	8,451	24,885
140	+	0	10,0000	-	-	11,711	220,660	6,519,022	23,145,157	63,660	157,000
140	+	20	10,0000	-	-	12,449	241,600	6,519,022	23,386,757	84,600	157,000
141	+	0	-	-	-	12,449	-	6,519,022	23,386,757	-	-
142	+	0	10,0000	0,484	4,840	6,899	193,480	6,523,862	23,580,237	45,990	147,490

Assinado por: ALISON PULCINO DOS SANTOS em 17/06/2025, AMANDA CRISTINA REZENDE ARAUJO em 12/09/2025. Juntado em 16/09/2025 09:07:15 por AMANDA ARAUJO.



SINFRA-PRO-2025/15686





RODOVIA: MT 469											
TRECHO: RONDONÓPOLIS - JUSCIMEIRA											
SUBTRECHO: ENTR. MT-270 - DIV. RONDONÓPOLIS/JUSCIMEIRA											
EXTENSÃO: 5,00KM											
Cálculo de Volume por Comparação de Perfis: Terreno x Projeto											
ESTACA			SEMI DISTÂNCIA	ÁREA DE CORTE	VOLUME DE CORTE	ÁREA DE ATERRO	VOLUME DE ATERRO	VOLUME DE CORTE ACUMULADO	VOLUME DE ATERRO ACUMULADO	100% PN	100% PI
INTERSEÇÃO - INTERVALO ENTRE AS ESTACAS 0 - 5											
142	+	20	10,0000	1,562	20,460	6,329	132,280	6,544,322	23,712,517	-	132,280
143	+	0	-	1,562	-	6,329	-	6,544,322	23,712,517	-	-
144	+	0	10,0000	3,405	49,670	4,583	109,120	6,593,992	23,821,637	-	109,120
145	+	0	10,0000	2,259	56,640	3,739	83,220	6,650,632	23,904,857	-	83,220
146	+	0	10,0000	2,738	49,970	3,912	76,510	6,700,602	23,981,367	-	76,510
147	+	0	10,0000	2,606	53,440	2,851	67,630	6,754,042	24,048,997	-	67,630
147	+	3,793	1,8965	2,515	9,712	2,776	10,672	6,763,754	24,059,669	-	10,672
148	+	0	8,1035	1,711	34,245	3,535	51,141	6,797,999	24,110,810	-	51,141
149	+	0	10,0000	2,655	43,660	4,626	81,610	6,841,659	24,192,420	-	81,610
150	+	0	10,0000	1,846	45,010	5,603	102,290	6,886,669	24,294,710	-	102,290
151	+	0	10,0000	0,896	27,420	7,489	130,920	6,914,089	24,425,630	-	130,920
151	+	7,586	3,7930	0,592	5,644	7,511	56,895	6,919,733	24,482,525	-	56,895
152	+	0	6,2070	0,107	4,339	6,634	87,798	6,924,072	24,570,323	-	87,798
153	+	0	10,0000	-	1,070	7,491	141,250	6,925,142	24,711,573	-	141,250
153	+	7,586	3,7930	-	-	8,145	59,307	6,925,142	24,770,880	1,119	58,188
154	+	0	6,2070	-	-	8,195	101,422	6,925,142	24,872,302	3,972	97,450
155	+	0	10,0000	-	-	8,325	165,200	6,925,142	25,037,502	8,200	157,000
156	+	0	10,0000	-	-	7,858	161,830	6,925,142	25,199,332	4,830	157,000
157	+	0	10,0000	-	-	6,762	146,200	6,925,142	25,345,532	0,080	146,120
158	+	0	10,0000	-	-	8,871	156,330	6,925,142	25,501,862	10,210	146,120
159	+	0	10,0000	-	-	9,818	186,890	6,925,142	25,688,752	29,890	157,000
160	+	0	10,0000	2,441	24,410	6,796	166,140	6,949,552	25,854,892	19,680	146,460
161	+	0	10,0000	-	24,410	12,275	190,710	6,973,962	26,045,602	44,250	146,460
162	+	0	10,0000	-	-	10,046	223,210	6,973,962	26,268,812	66,210	157,000
163	+	0	10,0000	-	-	7,708	177,540	6,973,962	26,446,352	21,960	155,580
164	+	0	10,0000	-	-	5,811	135,190	6,973,962	26,581,542	-	135,190
165	+	0	10,0000	-	-	7,778	135,890	6,973,962	26,717,432	-	135,890
166	+	0	10,0000	-	-	11,042	188,200	6,973,962	26,905,632	31,920	156,280
167	+	0	10,0000	-	-	12,565	236,070	6,973,962	27,141,702	79,070	157,000
168	+	0	10,0000	-	-	14,618	271,830	6,973,962	27,413,532	114,830	157,000
169	+	0	10,0000	-	-	12,561	271,790	6,973,962	27,685,322	114,790	157,000
170	+	0	10,0000	-	-	12,341	249,020	6,973,962	27,934,342	92,020	157,000
171	+	0	10,0000	-	-	11,107	234,480	6,973,962	28,168,822	77,480	157,000
172	+	0	10,0000	5,689	56,890	3,724	148,310	7,030,852	28,317,132	32,570	115,740
173	+	0	10,0000	1,608	72,970	3,406	71,300	7,103,822	28,388,432	-	71,300
174	+	0	10,0000	3,216	48,240	4,561	79,670	7,152,062	28,468,102	-	79,670
175	+	0	10,0000	2,714	59,300	4,135	86,960	7,211,362	28,555,062	-	86,960
176	+	0	10,0000	2,198	49,120	4,695	88,300	7,260,482	28,643,362	-	88,300
177	+	0	10,0000	1,720	39,180	5,392	100,870	7,299,662	28,744,232	-	100,870
178	+	0	10,0000	5,315	70,350	4,507	98,990	7,370,012	28,843,222	-	98,990
179	+	0	10,0000	4,978	102,930	1,223	57,300	7,472,942	28,900,522	-	57,300
180	+	0	10,0000	3,788	87,660	0,527	17,500	7,560,602	28,918,022	-	17,500
181	+	0	10,0000	7,547	113,350	-	5,270	7,673,952	28,923,292	-	5,270
182	+	0	10,0000	8,198	157,450	-	-	7,831,402	28,923,292	-	-
183	+	0	10,0000	10,742	189,400	0,918	9,180	8,020,802	28,932,472	-	9,180
184	+	0	10,0000	2,058	128,000	1,522	24,400	8,148,802	28,956,872	-	24,400
185	+	0	10,0000	0,614	26,720	3,827	53,490	8,175,522	29,010,362	-	53,490
186	+	0	10,0000	1,902	25,160	3,894	77,210	8,200,682	29,087,572	-	77,210
187	+	0	10,0000	0,558	24,600	4,515	84,090	8,225,282	29,171,662	-	84,090
188	+	0	10,0000	0,271	8,290	4,681	91,960	8,233,572	29,263,622	-	91,960
189	+	0	10,0000	0,291	5,620	5,956	106,370	8,239,192	29,369,992	-	106,370
190	+	0	10,0000	0,105	3,960	7,527	134,830	8,243,152	29,504,822	-	134,830
191	+	0	10,0000	0,722	8,270	2,056	95,830	8,251,422	29,600,652	-	95,830
192	+	0	10,0000	1,423	21,450	1,951	40,070	8,272,872	29,640,722	-	40,070

Assinado por: ALISON PULCINO DOS SANTOS em 17/06/2025, AMANDA CRISTINA REZENDE ARAUJO em 12/09/2025. Juntado em 16/09/2025 09:07:15 por AMANDA ARAUJO.



SINFRA-PRO-2025/15686





RODOVIA: MT 469											
TRECHO: RONDONÓPOLIS - JUSCIMEIRA											
SUBTRECHO: ENTR. MT-270 - DIV. RONDONÓPOLIS/JUSCIMEIRA											
EXTENSÃO: 5,00KM											
Cálculo de Volume por Comparação de Perfis: Terreno x Projeto											
ESTACA			SEMI DISTÂNCIA	ÁREA DE CORTE	VOLUME DE CORTE	ÁREA DE ATERRO	VOLUME DE ATERRO	VOLUME DE CORTE ACUMULADO	VOLUME DE ATERRO ACUMULADO	100% PN	100% PI
INTERSEÇÃO - INTERVALO ENTRE AS ESTACAS 0 - 5											
193	+	0	10,0000	0,843	22,660	5,875	78,260	8,295,532	29,718,982	-	78,260
194	+	0	10,0000	0,388	12,310	5,050	109,250	8,307,842	29,828,232	-	109,250
195	+	0	10,0000	0,380	7,680	5,892	109,420	8,315,522	29,937,652	-	109,420
196	+	0	10,0000	0,006	3,860	8,543	144,350	8,319,382	30,082,002	6,930	137,420
197	+	0	10,0000	0,820	8,260	5,614	141,570	8,327,642	30,223,572	6,930	134,640
198	+	0	10,0000	3,730	45,500	0,759	63,730	8,373,142	30,287,302	-	63,730
199	+	0	10,0000	1,347	50,770	1,557	23,160	8,423,912	30,310,462	-	23,160
200	+	0	10,0000	0,682	20,290	2,181	37,380	8,444,202	30,347,842	-	37,380
200	+	11,389	5,6945	0,381	6,053	2,609	27,277	8,450,255	30,375,119	-	27,277
201	+	0	4,3055	0,350	3,147	3,581	26,651	8,453,402	30,401,770	-	26,651
202	+	0	10,0000	1,678	20,280	5,730	93,110	8,473,682	30,494,880	-	93,110
202	+	11,389	5,6945	2,338	22,869	5,568	64,336	8,496,551	30,559,216	-	64,336
203	+	0	4,3055	2,664	21,536	4,787	44,583	8,518,087	30,603,799	-	44,583
204	+	0	10,0000	3,902	65,660	2,952	77,390	8,583,747	30,681,189	-	77,390
204	+	7,14	3,5700	5,019	31,848	3,196	21,948	8,615,595	30,703,137	-	21,948
205	+	0	6,4300	4,010	58,056	3,399	42,406	8,673,651	30,745,543	-	42,406
206	+	0	10,0000	1,344	53,540	5,061	84,600	8,727,191	30,830,143	-	84,600
206	+	2,892	1,4460	0,940	3,303	5,874	15,812	8,730,494	30,845,955	-	15,812
207	+	0	8,5540	0,259	10,256	8,056	119,157	8,740,750	30,965,112	1,762	117,395
208	+	0	10,0000	1,157	14,160	5,580	136,360	8,754,910	31,101,472	2,060	134,300
208	+	2,892	1,4460	1,378	3,666	4,414	14,451	8,758,576	31,115,923	-	14,451
209	+	0	8,5540	0,003	11,813	9,788	121,484	8,770,389	31,237,407	16,578	104,906
210	+	0	10,0000	-	0,030	24,195	339,830	8,770,419	31,577,237	182,830	157,000
211	+	0	10,0000	-	-	29,185	533,800	8,770,419	32,111,037	376,800	157,000
212	+	0	10,0000	-	-	18,083	472,680	8,770,419	32,583,717	315,680	157,000
213	+	0	10,0000	-	-	17,752	358,350	8,770,419	32,942,067	201,350	157,000
214	+	0	10,0000	-	-	28,853	466,050	8,770,419	33,408,117	309,050	157,000
215	+	0	10,0000	-	-	20,418	492,710	8,770,419	33,900,827	335,710	157,000
216	+	0	10,0000	0,564	5,640	8,379	287,970	8,776,059	34,188,797	130,970	157,000
217	+	0	10,0000	-	5,640	6,605	149,840	8,781,699	34,338,637	5,290	144,550
218	+	0	10,0000	-	-	13,052	196,570	8,781,699	34,535,207	52,020	144,550
219	+	0	10,0000	-	-	18,000	310,520	8,781,699	34,845,727	153,520	157,000
220	+	0	10,0000	0,003	0,030	10,956	289,560	8,781,729	35,135,287	132,560	157,000
221	+	0	10,0000	-	0,030	17,594	285,500	8,781,759	35,420,787	128,500	157,000
222	+	0	10,0000	-	-	19,233	368,270	8,781,759	35,789,057	211,270	157,000
223	+	0	10,0000	0,008	0,080	15,937	351,700	8,781,839	36,140,757	194,700	157,000
224	+	0	10,0000	-	0,080	20,281	362,180	8,781,919	36,502,937	205,180	157,000
225	+	0	10,0000	-	-	26,041	463,220	8,781,919	36,966,157	306,220	157,000
226	+	0	10,0000	-	-	26,505	525,460	8,781,919	37,491,617	368,460	157,000
227	+	0	10,0000	-	-	24,664	511,690	8,781,919	38,003,307	354,690	157,000
228	+	0	10,0000	-	-	26,928	515,920	8,781,919	38,519,227	358,920	157,000
229	+	0	10,0000	-	-	31,011	579,390	8,781,919	39,098,617	422,390	157,000
230	+	0	10,0000	-	-	28,067	590,780	8,781,919	39,689,397	433,780	157,000
231	+	0	10,0000	-	-	22,774	508,410	8,781,919	40,197,807	351,410	157,000
232	+	0	10,0000	-	-	20,595	433,690	8,781,919	40,631,497	276,690	157,000
233	+	0	10,0000	-	-	17,793	383,880	8,781,919	41,015,377	226,880	157,000
234	+	0	10,0000	-	-	9,565	273,580	8,781,919	41,288,957	116,580	157,000
235	+	0	10,0000	0,010	0,100	3,389	129,540	8,782,019	41,418,497	17,150	112,390
236	+	0	10,0000	0,787	7,970	0,572	39,610	8,789,989	41,458,107	-	39,610
237	+	0	10,0000	2,117	29,040	-	5,720	8,819,029	41,463,827	-	5,720
238	+	0	10,0000	3,363	54,800	-	-	8,873,829	41,463,827	-	-
239	+	0	10,0000	3,326	66,890	-	-	8,940,719	41,463,827	-	-
240	+	0	10,0000	2,870	61,960	-	-	9,002,679	41,463,827	-	-
241	+	0	10,0000	3,458	63,280	-	-	9,065,959	41,463,827	-	-

Assinado por: ALISON PULCINO DOS SANTOS em 17/06/2025, AMANDA CRISTINA REZENDE ARAUJO em 12/09/2025. Juntado em 16/09/2025 09:07:15 por AMANDA ARAUJO.



SINFRA-PRO-2025/15686





RODOVIA: MT 469											
TRECHO: RONDONÓPOLIS - JUSCIMEIRA											
SUBTRECHO: ENTR. MT-270 - DIV. RONDONÓPOLIS/JUSCIMEIRA											
EXTENSÃO: 5,00KM											
Cálculo de Volume por Comparação de Perfis: Terreno x Projeto											
ESTACA			SEMI DISTÂNCIA	ÁREA DE CORTE	VOLUME DE CORTE	ÁREA DE ATERRO	VOLUME DE ATERRO	VOLUME DE CORTE ACUMULADO	VOLUME DE ATERRO ACUMULADO	100% PN	100% PI
INTERSEÇÃO - INTERVALO ENTRE AS ESTACAS 0 - 5											
242	+	0	10,0000	4,837	82,950	-	-	9,148,909	41,463,827	-	-
243	+	0	10,0000	5,943	107,800	-	-	9,256,709	41,463,827	-	-
244	+	0	10,0000	7,113	130,560	-	-	9,387,269	41,463,827	-	-
245	+	0	10,0000	8,575	156,880	-	-	9,544,149	41,463,827	-	-
246	+	0	10,0000	12,118	206,930	-	-	9,751,079	41,463,827	-	-
247	+	0	10,0000	11,159	232,770	-	-	9,983,849	41,463,827	-	-
248	+	0	10,0000	11,313	224,720	-	-	10,208,569	41,463,827	-	-
249		0	10,0000	11,238	225,510	-	-	10,434,079	41,463,827		
- 250	+	0	10,0000	10,513	217,510	-	-	10,651,589	41,463,827		-
Volume de aterro compactado 100% proctor normal									17,485,902	17,485,902	23.977,925
Volume de aterro compactado 100% proctor intermediário									23,977,925		

Assinado por: ALISON PULCINO DOS SANTOS em 17/06/2025, AMANDA CRISTINA REZENDE ARAUJO em 12/09/2025. Juntado em 16/09/2025 09:07:15 por AMANDA ARAUJO.



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5.1. Cálculo dos Volumes.



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5.2. Cálculo dos Volumes Das Interseções



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RODOVIA: MT 469 TRECHO: RONDONÓPOLIS - JUSCIMEIRA SUBTRECHO: ENTR. MT-270 - DIV. RONDONÓPOLIS/JUSCIMEIRA EXTENSÃO: 5,00KM										
Ramo 01 - Cálculo de Volume por Comparação de Perfis: Terreno x Projeto										
ESTACA	SEMI DISTÂNCIA	ÁREA DE CORTE	VOLUME DE CORTE	ÁREA DE ATERRO	VOLUME DE ATERRO	VOLUME DE CORTE ACUMULADO	VOLUME DE ATERRO ACUMULADO	100% PN	100% PI	
-	+	-	0,000	-	5,044	-	-	-	-	-
1,00	+	10,000	0,205	2,050	2,235	72,790	2,050	72,790	11,190	61,600
1,00	+	16,226	8,113	0,410	4,989	0,121	19,114	7,039	-	19,114
2,00	+	-	1,887	0,547	1,806	0,036	0,296	8,845	-	0,296
3,00	+	10,000	0,586	11,330	0,000	0,360	20,175	92,560	-	0,360
3,00	+	12,453	6,227	0,240	5,143	0,000	-	25,318	-	-
3,00	+	17,474	2,511	0,084	0,813	0,000	-	26,131	-	-
4,00	+	-	1,263	0,070	0,195	0,000	-	26,326	-	-
4,00	+	2,495	1,248	0,082	0,190	0,000	-	26,516	-	-
5,00	+	-	8,753	0,012	0,823	0,974	8,525	27,339	-	8,525
6,00	+	10,000	0,078	0,900	2,115	30,890	28,239	131,975	-	30,890
6,00	+	14,158	7,079	2,526	18,434	0,843	20,940	46,673	-	20,940
7,00	+	-	2,921	6,750	27,095	0,000	2,462	73,768	-	2,462
8,00	+	10,000	7,592	143,420	0,000	-	217,188	155,377	-	-
9,00	+	-	10,000	4,893	124,850	0,000	-	342,038	-	-
9,00	+	5,822	2,911	3,359	24,022	0,000	-	366,060	-	-
9,00	+	8,822	1,500	2,994	9,530	0,051	0,077	375,590	-	0,077
Volume de aterro compactado 100% proctor normal							11,190	11,190	144,264	
Volume de aterro compactado 100% proctor intermediário							144,264			

RODOVIA: MT 469 TRECHO: RONDONÓPOLIS - JUSCIMEIRA SUBTRECHO: ENTR. MT-270 - DIV. RONDONÓPOLIS/JUSCIMEIRA EXTENSÃO: 5,00KM										
Ramo 02 - Cálculo de Volume por Comparação de Perfis: Terreno x Projeto										
ESTACA	SEMI DISTÂNCIA	ÁREA DE CORTE	VOLUME DE CORTE	ÁREA DE ATERRO	VOLUME DE ATERRO	VOLUME DE CORTE ACUMULADO	VOLUME DE ATERRO ACUMULADO	100% PN	100% PI	
-	+	-	3,323	-	-	-	-	-	-	-
1,00	+	10,000	6,210	95,330	-	-	95,330	-	-	-
1,00	+	8,16	4,080	7,254	54,933	-	150,263	-	-	-
2,00	+	-	5,920	5,271	74,148	-	224,411	-	-	-
2,00	+	11,16	5,578	0,497	32,174	-	256,585	-	-	-
3,00	+	-	4,422	-	2,198	1,579	6,982	6,982	-	6,982
3,00	+	14,15	7,076	0,173	1,224	2,061	25,757	260,007	-	25,757
4,00	+	-	2,924	0,130	0,886	2,554	13,494	260,893	-	13,494
5,00	+	-	10,000	-	1,300	3,809	63,630	262,193	-	63,630
5,00	+	6,47	3,233	-	-	5,657	30,604	262,193	-	30,604
Volume de aterro compactado 100% proctor normal							-	-	140,467	
Volume de aterro compactado 100% proctor intermediário							140,467			

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RODOVIA: MT 469 TRECHO: RONDONÓPOLIS - JUSCIMEIRA SUBTRECHO: ENTR. MT-270 - DIV. RONDONÓPOLIS/JUSCIMEIRA EXTENSÃO: 5,00KM											
Ramo 03 - Cálculo de Volume por Comparação de Perfis: Terreno x Projeto											
ESTACA			SEMI DISTÂNCIA	ÁREA DE CORTE	VOLUME DE CORTE	ÁREA DE ATERRO	VOLUME DE ATERRO	VOLUME DE CORTE ACUMULADO	VOLUME DE ATERRO ACUMULADO	100% PN	100% PI
-	+	-	-	2,359	-	-	-	-	-	-	-
-	+	9,779	4,890	1,525	18,99	0,076	0,372	18,991	0,372	-	0,372
1,000	+	-	5,111	0,992	12,86	0,154	1,175	31,854	1,547	-	1,175
2,000	+	-	10,000	0,584	15,76	1,603	17,570	47,614	19,117	-	17,570
2,000	+	18,546	9,273	-	5,42	5,950	70,039	53,029	89,156	18,778	51,261
3,000	+	-	0,727	-	-	6,054	8,727	53,029	97,883	3,020	5,707
4,000	+	-	10,000	0,020	0,20	6,907	129,610	53,229	227,493	51,110	78,500
5,000	+	-	10,000	0,016	0,36	0,809	77,160	53,589	304,653	29,820	47,340
5,000	+	7,314	3,657	0,297	1,15	-	2,959	54,734	307,612	-	2,959
5,000	+	15,371	4,029	0,256	2,23	-	-	56,962	307,612	-	-
6,000	+	-	2,315	0,262	1,20	-	-	58,161	307,612	-	-
6,000	+	3,428	1,714	0,333	1,02	-	-	59,181	307,612	-	-
7,000	+	-	8,286	0,750	8,97	1,089	9,023	68,155	316,635	-	9,023
7,000	+	12,410	6,205	0,545	8,04	0,785	11,628	76,190	328,263	-	11,628
8,000	+	-	3,795	1,167	6,50	0,513	4,926	82,687	333,189	-	4,926
9,000	+	-	10,000	0,661	18,28	0,176	6,890	100,967	340,079	-	6,890
9,000	+	1,393	0,697	1,174	1,28	0,093	0,187	102,245	340,266	-	0,187
9,000	+	3,138	0,873	1,646	2,46	0,044	0,120	104,705	340,386	-	0,120
Volume de aterro compactado 100% proctor normal									102,728	102,728	237,658
Volume de aterro compactado 100% proctor intermediário									237,658		

RODOVIA: MT 469 TRECHO: RONDONÓPOLIS - JUSCIMEIRA SUBTRECHO: ENTR. MT-270 - DIV. RONDONÓPOLIS/JUSCIMEIRA EXTENSÃO: 5,00KM											
Cálculo de Volume por Comparação de Perfis: Terreno x Projeto											
ESTACA			SEMI DISTÂNCIA	ÁREA DE CORTE	VOLUME DE CORTE	ÁREA DE ATERRO	VOLUME DE ATERRO	VOLUME DE CORTE ACUMULADO	VOLUME DE ATERRO ACUMULADO	100% PN	100% PI
-	+	-	-	7,473	-	-	-	-	-	-	-
1,00	+	-	10,000	0,183	76,560	3,135	31,350	76,560	31,350	-	31,350
1,00	+	19,536	9,768	14,686	145,240	-	30,623	221,800	61,973	-	30,623
2,00	+	-	0,232	14,379	6,743	-	-	228,543	61,973	-	-
3,00	+	-	10,000	1,918	162,970	1,788	17,880	391,513	79,853	-	17,880
3,00	+	19,072	9,536	2,381	40,995	0,070	17,718	432,508	97,571	-	17,718
4,00	+	-	0,464	2,524	2,276	0,052	0,057	434,784	97,628	-	0,057
5,00	+	-	10,000	10,564	130,880	-	0,520	565,664	98,148	-	0,520
6,00	+	-	10,000	6,933	174,970	-	-	740,634	98,148	-	-
6,00	+	5,930	2,965	2,348	27,518	-	-	768,152	98,148	-	-
7,00	+	-	7,035	0,289	18,551	0,969	6,817	786,703	104,965	-	6,817
8,00	+	-	10,000	5,706	59,950	-	9,690	846,653	114,655	-	9,690
8,00	+	12,788	6,394	7,473	84,267	-	-	930,920	114,655	-	-
Volume de aterro compactado 100% proctor normal									-	-	114,655
Volume de aterro compactado 100% proctor intermediário									114,655		

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6 – DISTRIBUIÇÃO DE TERRAPLENAGEM



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DISTRIBUIÇÃO DE TERRAPLENAGEM																				
ORIGEM DO MATERIAL ESCAVADO										DESTINO DO MATERIAL ESCAVADO										
LOCALIZAÇÃO				ESCAVAÇÃO		LADO	VOLUME ESCAVADO (m³)				VOLUME COMPACTADO TOTAL (m³)	VOLUME COMPACTADO ACUMULADO (m³)	DISTÂNCIA MÉDIA DE TRANSP. (km)	LOCALIZAÇÃO		UTILIZAÇÃO				
EST. INICIAL	EST. FINAL	DIST. EIXO "a" (m)	1ª CATEG.				2ª CATEG.	3ª CATEG.	TOTAL	EST. INICIAL				EST. FINAL						
EST.	FRAC.		EST.	FRAC.											EST.	FRAC.	EST.	FRAC.		
0	+ 0,00	5	+ 0,00	30,00	CORTE INTERSEÇÃO	CI-01		796,305			796,305	637,044	637,044	0,030	0	+ 0,00	5	+ 0,00	ATERRO INTERSEÇÃO (PI)	AI-01
0	+ 0,00	5	+ 0,00	30,00	CORTE INTERSEÇÃO	CI-01		142,398			142,398	113,918	750,962	0,030	0	+ 0,00	5	+ 0,00	ATERRO INTERSEÇÃO (PN)	AI-01
5	+ 0,00	25	+ 0,00	10,00	CX EMPRESTIMO	EL-1 LD	LD	785,132			785,132	628,106	1,379,068	0,297	5	+ 0,00	17	+ 0,00	ATERRO (PI)	AA-00
0	+ 0,00	5	+ 0,00	15,00	CORTE INTERSEÇÃO	CI-01		429,743			429,743	343,794	1,722,862	0,185	5	+ 0,00	17	+ 0,00	ATERRO (PI)	AA-00
0	+ 0,00	5	+ 0,00	15,00	CORTE INTERSEÇÃO	CI-01		304,962			304,962	243,970	1,966,832	0,105	5	+ 0,00	9	+ 0,00	ATERRO (PN)	A-00
5	+ 0,00	25	+ 0,00	10,00	CX EMPRESTIMO	EL-1 LE	LE	131,500			131,500	105,200	2,072,032	0,230	10	+ 0,00	12	+ 0,00	ATERRO (PN)	A-01
49	+ 0,00	60	+ 0,00	10,00	CX EMPRESTIMO	EL-2 LD	LD	2.165,600			2.165,600	1.732,480	3.804,512	0,380	24	+ 0,00	48	+ 0,00	ATERRO (PI)	AA-01
34	+ 0,00	38	+ 0,00	-	CORTE PRIMEIRA	CP-01		11,520			11,520	9,216	3.813,728	0,006	24	+ 0,00	48	+ 0,00	ATERRO (PI)	AA-01
49	+ 0,00	60	+ 0,00	10,00	CX EMPRESTIMO	EL-2 LE	LE	741,668			741,668	593,334	4,407,062	0,380	24	+ 0,00	48	+ 0,00	ATERRO (PI)	AA-01
8	+ 0,00	29	+ 0,00	-	CORTE PRIMEIRA	CP-00		1.211,192			1.211,192	968,954	5,376,016	0,450	24	+ 0,00	48	+ 0,00	ATERRO (PI)	AA-01
8	+ 0,00	29	+ 0,00	-	CORTE PRIMEIRA	CP-00		1.195,683			1.195,683	956,546	6,332,562	0,266	29	+ 0,00	34	+ 11,89	ATERRO (PN)	A-02
49	+ 0,00	60	+ 0,00	10,00	CX EMPRESTIMO	EL-2 LE	LE	1.399,771			1.399,771	1.119,817	7,452,379	0,260	38	+ 0,00	52	+ 0,00	ATERRO (PN)	A-03
49	+ 0,00	60	+ 0,00	10,00	CX EMPRESTIMO	EL-2 LD	LD	1.134,400			1.134,400	907,520	8,359,899	0,175	48	+ 0,00	58	+ 0,00	ATERRO (PI)	AA-02
80	+ 0,00	90	+ 0,00	10,00	CX EMPRESTIMO	EL-3 LD	LD	1.428,014			1.428,014	1.142,411	9,502,310	0,320	61	+ 0,00	78	+ 0,00	ATERRO (PI)	AA-03
80	+ 0,00	90	+ 0,00	10,00	CX EMPRESTIMO	EL-3 LE	LE	680,512			680,512	544,410	10,046,720	0,320	61	+ 0,00	78	+ 0,00	ATERRO (PI)	AA-03
74	+ 0,00	87	+ 0,00	-	CORTE PRIMEIRA	CP-04		983,156			983,156	786,524	10,833,244	0,224	65	+ 0,00	74	+ 8,06	ATERRO (PN)	A-04
52	+ 0,00	66	+ 0,00	-	CORTE PRIMEIRA	CP-02		991,700			991,700	793,360	11,626,604	0,234	65	+ 0,00	74	+ 8,06	ATERRO (PN)	A-04
49	+ 0,00	60	+ 0,00	10,00	CX EMPRESTIMO	EL-2 LE	LE	1.158,561			1.158,561	926,849	12,553,453	0,314	65	+ 0,00	74	+ 8,06	ATERRO (PN)	A-04
67	+ 0,00	69	+ 0,00	-	CORTE PRIMEIRA	CP-03		96,500			96,500	77,200	12,630,653	0,035	65	+ 0,00	74	+ 8,06	ATERRO (PN)	A-04
80	+ 0,00	90	+ 0,00	10,00	CX EMPRESTIMO	EL-3 LE	LE	1.581,838			1.581,838	1,265,470	13,896,123	0,316	65	+ 0,00	74	+ 8,06	ATERRO (PN)	A-04
80	+ 0,00	90	+ 0,00	10,00	CX EMPRESTIMO	EL-3 LD	LD	1.571,986			1.571,986	1,257,589	15,153,712	0,331	84	+ 0,00	108	+ 0,00	ATERRO (PI)	AA-04
101	+ 0,00	113	+ 0,00	10,00	CX EMPRESTIMO	EL-4 LE	LE	1.672,151			1.672,151	1,337,721	16,491,433	0,351	84	+ 0,00	108	+ 0,00	ATERRO (PI)	AA-04
80	+ 0,00	90	+ 0,00	10,00	CX EMPRESTIMO	EL-3 LE	LE	737,650			737,650	590,120	17,081,553	0,220	89	+ 0,00	100	+ 0,00	ATERRO (PN)	A-05
101	+ 0,00	113	+ 0,00	10,00	CX EMPRESTIMO	EL-4 LE	LE	0,088			0,088	0,070	17,081,623	0,140	108	+ 0,00	109	+ 0,00	ATERRO (PI)	AA-05
126	+ 0,00	128	+ 0,00	-	CORTE PRIMEIRA	CP-06		13,420			13,420	10,736	17,092,359	0,140	115	+ 0,00	139	+ 0,00	ATERRO (PI)	AA-06
137	+ 0,00	150	+ 0,00	10,00	CX EMPRESTIMO	EL-5 LE	LE	2,194,544			2,194,544	1,755,635	18,847,994	0,380	115	+ 0,00	139	+ 0,00	ATERRO (PI)	AA-06
129	+ 0,00	131	+ 0,00	-	CORTE PRIMEIRA	CP-07		6,280			6,280	5,024	18,853,018	0,016	115	+ 0,00	139	+ 0,00	ATERRO (PI)	AA-06
137	+ 0,00	150	+ 0,00	10,00	CX EMPRESTIMO	EL-5 LD	LD	1,689,736			1,689,736	1,351,789	20,204,807	0,380	115	+ 0,00	139	+ 0,00	ATERRO (PI)	AA-06
101	+ 0,00	113	+ 0,00	10,00	CX EMPRESTIMO	EL-4 LE	LE	866,103			866,103	692,882	20,897,689	0,320	118	+ 0,00	127	+ 0,00	ATERRO (PN)	A-06
102	+ 0,00	120	+ 0,00	-	CORTE PRIMEIRA	CP-05		2,008,623			2,008,623	1,606,898	22,504,587	0,270	118	+ 0,00	127	+ 0,00	ATERRO (PN)	A-06
134	+ 0,00	137	+ 0,00	-	CORTE PRIMEIRA	CP-08		0,947			0,947	0,758	22,505,345	0,008	130	+ 0,00	142	+ 0,00	ATERRO (PN)	A-07
137	+ 0,00	150	+ 0,00	10,00	CX EMPRESTIMO	EL-5 LE	LE	1,705,456			1,705,456	1,364,365	23,869,710	0,260	130	+ 0,00	142	+ 0,00	ATERRO (PN)	A-07
137	+ 0,00	150	+ 0,00	10,00	CX EMPRESTIMO	EL-5 LD	LD	2,210,264			2,210,264	1,768,211	25,637,921	0,307	139	+ 0,00	163	+ 0,00	ATERRO (PI)	AA-07

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ORIGEM DO MATERIAL ESCAVADO																			DESTINO DO MATERIAL ESCAVADO							
LOCALIZAÇÃO			DIST. EXO "a" (m)	ESCAVAÇÃO		LADO	VOLUME ESCAVADO (m³)				VOLUME COMPACTADO TOTAL (m³)	VOLUME COMPACTADO ACUMULADO (m³)	DISTÂNCIA MÉDIA DE TRANSP. (km)	LOCALIZAÇÃO		UTILIZAÇÃO										
EST. INICIAL	EST. FINAL	1º CATEG.					2º CATEG.	3º CATEG.	TOTAL	EST. INICIAL				EST. FINAL												
EST. FRAÇ.	EST. FRAÇ.		TIPO	Nº										EST. FRAÇ.	EST. FRAÇ.	TIPO	Nº									
141 + 0,00	153 + 0,00	-	CORTE PRIMEIRA	CP-09		406,120			406,120	324,896	25,962,817	0,253	139 + 0,00	163 + 0,00	ATERRO (P)	AA-07										
152 + 0,00	171 + 0,00	10,00	CX EMPRESTIMO	EL-6 LE	LE	1,280,121			1,280,121	1,024,097	26,986,914	0,412	139 + 0,00	163 + 0,00	ATERRO (P)	AA-07										
152 + 0,00	171 + 0,00	10,00	CX EMPRESTIMO	EL-6 LE	LE	214,182			214,182	171,345	27,158,259	0,275	153 + 0,00	163 + 0,00	ATERRO (PN)	A-08										
159 + 0,00	161 + 0,00	-	CORTE PRIMEIRA	CP-10		48,820			48,820	39,056	27,197,315	0,003	153 + 0,00	163 + 0,00	ATERRO (PN)	A-08										
152 + 0,00	171 + 0,00	10,00	CX EMPRESTIMO	EL-6 LD	LD	2,417,825			2,417,825	1,934,260	29,131,575	0,380	163 + 0,00	181 + 0,00	ATERRO (P)	AA-08										
152 + 0,00	171 + 0,00	10,00	CX EMPRESTIMO	EL-6 LE	LE	678,350			678,350	542,680	29,674,255	0,270	165 + 0,00	172 + 0,00	ATERRO (PN)	A-09										
195 + 0,00	210 + 0,00	-	CORTE PRIMEIRA	CP-12		454,898			454,898	363,918	30,038,173	0,330	182 + 0,00	206 + 2,89	ATERRO (P)	AA-09										
152 + 0,00	171 + 0,00	10,00	CX EMPRESTIMO	EL-6 LE	LE	606,872			606,872	485,498	30,523,671	0,661	182 + 0,00	206 + 2,89	ATERRO (P)	AA-09										
171 + 0,00	195 + 0,00	-	CORTE PRIMEIRA	CP-11		1,324,235			1,324,235	1,059,388	31,583,059	0,462	182 + 0,00	206 + 2,89	ATERRO (P)	AA-09										
171 + 0,00	195 + 0,00	-	CORTE PRIMEIRA	CP-11		17,325			17,325	13,860	31,596,919	0,260	195 + 0,00	197 + 0,00	ATERRO (PN)	A-10										
215 + 0,00	217 + 0,00	-	CORTE PRIMEIRA	CP-13		6,502			6,502	5,202	31,602,121	0,150	206 + 2,89	231 + 0,00	ATERRO (P)	AA-10										
218 + 0,00	238 + 0,00	10,00	CX EMPRESTIMO	EL-7 LD	LD	4,743,628			4,743,628	3,794,903	35,397,024	0,406	206 + 2,89	231 + 0,00	ATERRO (P)	AA-10										
215 + 0,00	217 + 0,00	-	CORTE PRIMEIRA	CP-13		4,778			4,778	3,822	35,400,846	0,181	206 + 2,89	208 + 0,00	ATERRO (PN)	A-11										
219 + 0,00	221 + 0,00	-	CORTE PRIMEIRA	CP-14		0,060			0,060	0,048	35,400,894	0,029	206 + 2,89	231 + 0,00	ATERRO (P)	AA-10										
218 + 0,00	238 + 0,00	10,00	CX EMPRESTIMO	EL-7 LD	LD	1,256,372			1,256,372	1,005,097	36,405,991	0,379	208 + 2,89	233 + 0,00	ATERRO (PN)	A-12										
218 + 0,00	238 + 0,00	10,00	CX EMPRESTIMO	EL-7 LE	LE	6,000,000			6,000,000	4,800,000	41,205,991	0,379	208 + 2,89	233 + 0,00	ATERRO (PN)	A-12										
234 + 0,00	258 + 0,00	-	CORTE PRIMEIRA	CP-16		307,778			307,778	246,222	41,452,213	0,511	208 + 2,89	233 + 0,00	ATERRO (PN)	A-12										
222 + 0,00	224 + 0,00	-	CORTE PRIMEIRA	CP-15		0,160			0,160	0,128	41,452,341	0,015	208 + 2,89	233 + 0,00	ATERRO (PN)	A-12										
234 + 0,00	258 + 0,00	-	CORTE PRIMEIRA	CP-16		785,900			785,900	628,720	42,081,061	0,300	231 + 0,00	237 + 0,00	ATERRO (P)	AA-11										
234 + 0,00	258 + 0,00	-	CORTE PRIMEIRA	CP-16		167,162			167,162	133,730	42,214,791	0,260	233 + 0,00	235 + 0,00	ATERRO (PN)	A-13										

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7 – TERMO DE ENCERRAMENTO



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O Volume 3C – **NOTA DE SERVIÇO E CÁLCULOS DE VOLUMES** referentes ao Projeto Executivo de Implantação e Pavimentação da Rodovia MT-469, trecho: Rondonópolis - Juscimeira, Subtrecho: Entr. MT-270 – DIV. RONDONÓPOLIS/JUSCIMEIRA, com extensão de 5,00 km, possui **66 (sessenta e seis)** folhas numericamente ordenada.

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