

ESTADO DE SANTA CATARINA
MUNICÍPIO DE RANCHO QUEIMADO
SECRETARIA DE PLANEJAMENTO



AGOSTO 2021

PROJETO BÁSICO EXECUTIVO DE ENGENHARIA RODOVIÁRIA

VOLUME 03 - RELATÓRIO DE TERRAPLENAGEM

LOCAL: RANCHO QUEIMADO - SC
LOCAL : TAQUARAS
EXTENSÃO : 4.090,00 Metros





RELATÓRIO DE ALINHAMENTO HORIZONTAL POR ESTACA CORREDOR PRINCIPAL

Estaca	Norte	Este
0+0,000	6937756,8613217	682255,4269046
0+14,352 PC	6937769,6865881	682261,8688457
1+0,000	6937774,4696492	682264,8486740
1+2,026 PCC	6937776,0012836	682266,1743761
2+0,000	6937783,6760177	682281,9397634
2+0,522 PCC	6937783,7059636	682282,4607329
2+19,202 PCR	6937782,2737605	682301,0237438
3+0,000	6937782,0636922	682301,7933926
4+0,000	6937778,1359544	682321,3891167
4+11,843 PT	6937777,0395516	682333,1782766
5+0,000	6937776,5639195	682341,3213497
5+13,397 PC	6937775,7827120	682354,6960365
6+0,000	6937775,4752147	682361,2912496
7+0,000	6937775,4526758	682381,2873429
8+0,000	6937776,7960492	682401,2382728
9+0,000	6937779,4990596	682421,0508444
9+2,650 PCR	6937779,9585596	682423,6603536
10+0,000	6937784,1986000	682440,4844732
11+0,000	6937788,7859028	682459,9510477
12+0,000	6937793,0504497	682479,4908663
13+0,000	6937796,9910728	682499,0985781
14+0,000	6937800,6066931	682518,7688135
15+0,000	6937803,8963204	682538,4961860
15+15,445 PCR	6937806,2130459	682553,7660859
16+0,000	6937806,8709014	682558,2735396
17+0,000	6937810,5550651	682577,9276173
18+0,000	6937815,5229766	682597,2970698
19+0,000	6937821,7531541	682616,2981413
20+0,000	6937829,2186576	682634,8486693
20+11,609 PCR	6937834,1062976	682645,3782974
21+0,000	6937837,8852834	682652,8696582
22+0,000	6937846,5526571	682670,8933331
23+0,000	6937854,7356232	682689,1420396
24+0,000	6937862,4283450	682707,6027615



25+0,000	6937869,6253356	682726,2623314
26+0,000	6937876,3214616	682745,1074401
27+0,000	6937882,5119468	682764,1246459
28+0,000	6937888,1923758	682783,3003845
29+0,000	6937893,3586970	682802,6209784
29+19,242 PCR	6937897,8406059	682821,3335534
30+0,000	6937897,9929634	682822,0757176
31+0,000	6937903,0847643	682841,4069952
32+0,000	6937910,1955897	682860,0901665
33+0,000	6937919,2454301	682877,9150120
33+7,262 PT	6937922,9919525	682884,1351535
34+0,000	6937929,8949122	682894,8408520
34+15,124 PC	6937938,0907447	682907,5516479
35+0,000	6937940,7352835	682911,6457003
36+0,000	6937946,8894029	682930,5243948
36+11,021 PCC	6937946,8111713	682941,5212465
37+0,000	6937944,8809507	682950,2609340
37+19,729 PT	6937932,9866263	682965,6217731
38+0,000	6937932,7693082	682965,7838253
38+19,263 PC	6937917,3270463	682977,2989852
39+0,000	6937916,7551807	682977,7639221
40+0,000	6937899,8490656	682988,3620454
40+7,459 PCR	6937892,9735649	682991,2487606
40+19,799 PCC	6937882,7728851	682998,0653801
41+0,000	6937882,6477243	682998,2229811
42+0,000	6937872,3303574	683015,2943136
42+16,826 PCC	6937867,1892710	683031,2824307
43+0,000	6937866,9246902	683034,4453482
44+0,000	6937866,5253911	683054,4313564
44+1,978 PT	6937866,6049450	683056,4078575
45+0,000	6937867,2816496	683074,4170371
46+0,000	6937868,0326304	683094,4029328
47+0,000	6937868,7836112	683114,3888285
48+0,000	6937869,5345921	683134,3747243
48+3,123 PC	6937869,6518517	683137,4953623
49+0,000	6937869,0856942	683154,3234936
49+16,005 PCR	6937864,9085080	683169,7391993
50+0,000	6937863,5101946	683173,4809715



51+0,000	6937858,2942058	683192,7678615
51+7,328 PCC	6937857,1440586	683200,0041235
52+0,000	6937858,3676604	683212,5868265
52+17,935 PCC	6937865,0581388	683229,1358567
53+0,000	6937866,1239294	683230,9046583
54+0,000	6937878,6207746	683246,4561000
54+15,562 PT	6937890,7335698	683256,1892198
55+0,000	6937894,6659411	683258,2461619
56+0,000	6937912,3878881	683267,5161455
56+8,660 PC	6937920,0612825	683271,5299392
57+0,000	6937930,1144690	683276,7711308
58+0,000	6937946,7468105	683287,8500967
59+0,000	6937961,7153356	683301,0910000
59+19,187 PCC	6937974,2526140	683315,5970157
60+0,000	6937974,7484914	683316,2414737
61+0,000	6937982,3360699	683334,5178946
61+5,313 PT	6937982,7310112	683339,8122314
62+0,000	6937982,8299202	683354,4988813
62+0,890 PC	6937982,8359123	683355,3886226
63+0,000	6937984,4115934	683374,4207025
63+18,226 PT	6937988,1665614	683392,2437689
64+0,000	6937988,5873233	683393,9675225
65+0,000	6937993,3300022	683413,3970618
66+0,000	6937998,0726810	683432,8266011
67+0,000	6938002,8153598	683452,2561404
68+0,000	6938007,5580387	683471,6856797
68+9,763 PC	6938009,8731269	683481,1700025
69+0,000	6938014,1692990	683490,4092206
69+16,678 PCR	6938026,8274439	683500,9480901
70+0,000	6938029,8521331	683502,3203191
71+0,000	6938045,8999273	683514,0805876
71+11,142 PCR	6938052,7434302	683522,8509425
72+0,000	6938057,5397963	683530,2886282
73+0,000	6938071,8761488	683544,1113222
73+6,656 PT	6938077,5339862	683547,6106055
73+17,893 PC	6938087,2491111	683553,2586694
74+0,000	6938088,9623931	683554,4834669
75+0,000	6938098,2831013	683571,5559066



75+3,943 PT	6938098,3299127	683575,4948104
75+18,639 PC	6938098,2179355	683590,1895703
76+0,000	6938098,2198860	683591,5509499
77+0,000	6938096,2770369	683611,4276737
77+0,472 PCC	6938096,1868398	683611,8911975
77+16,977 PCC	6938086,5767292	683625,0074813
78+0,000	6938084,0803465	683626,7097263
78+12,487 PT	6938072,3593739	683630,7257809
79+0,000	6938064,8929150	683631,5622327
79+15,159 PC	6938049,8277428	683633,2499524
80+0,000	6938045,2650350	683634,8385548
80+4,662 PCC	6938041,2857809	683637,2517226
81+0,000	6938035,0635329	683650,9046290
81+3,739 PCC	6938035,1510778	683654,6377473
82+0,000	6938040,7764159	683669,7423713
83+0,000	6938055,8494169	683682,4804079
83+5,785 PCC	6938061,3028335	683684,3916659
84+0,000	6938075,4145674	683686,0393484
84+16,060 PCR	6938091,4644062	683686,0053482
85+0,000	6938095,3768357	683686,3590620
85+7,289 PCR	6938101,8370254	683689,5791401
86+0,000	6938111,8808995	683697,3411530
87+0,000	6938130,0429292	683705,5530344
87+4,157 PCR	6938134,0672325	683706,5906694
88+0,000	6938147,0475313	683714,8839015
88+3,222 PCC	6938148,6156713	683717,6942552
88+18,187 PT	6938146,6800901	683732,0170098
89+0,000	6938145,5834878	683733,4602598
90+0,000	6938133,4836952	683749,3849268
90+6,919 PC	6938129,2977185	683754,8941359
91+0,000	6938123,9367334	683766,7622446
92+0,000	6938123,7197794	683786,5535676
92+0,042 PCC	6938123,7297332	683786,5943404
93+0,000	6938134,7752156	683802,6994730
93+18,927 PT	6938152,6758106	683807,6065604
94+0,000	6938153,7475691	683807,5605754
94+15,648 PC	6938169,3812410	683806,8897956
95+0,000	6938173,7264305	683807,0612973



96+0,000	6938191,6827017	683815,1017678
96+8,779 PCR	6938197,3130372	683821,8018004
97+0,000	6938205,7801226	683828,9631548
97+10,593 PCC	6938216,0819958	683830,9033415
98+0,000	6938225,4155931	683829,8213392
98+7,311 PCR	6938232,4751535	683827,9395294
99+0,000	6938244,6276585	683824,2932643
100+0,000	6938264,1061253	683819,7780953
100+18,105 PCC	6938281,9949368	683817,0102520
101+0,000	6938283,8845016	683816,8753610
101+17,533 PCC	6938300,9669126	683820,0657043
102+0,000	6938303,1809233	683821,1472539
103+0,000	6938309,9917863	683838,4344603
103+14,812 PT	6938300,0558977	683848,6203587
104+0,000	6938295,0782895	683850,0841750
104+0,229 PI	6938340,7262417	683835,6260558
105+0,000	6938275,8907853	683855,7268412
105+2,661 PC	6938273,3375086	683856,4777095
106+0,000	6938258,0617187	683864,4329366
107+0,000	6938245,9125322	683880,0963570
107+8,960 PCR	6938243,0528581	683888,5703896
108+0,000	6938239,9540441	683899,1493666
109+0,000	6938229,4636045	683916,0585899
109+0,442 PCR	6938229,1679145	683916,3868073
110+0,000	6938217,9182528	683932,2235559
110+11,562 PCC	6938214,5484574	683943,2551733
111+0,000	6938214,8706173	683951,6172022
111+1,839 PCC	6938215,4309714	683953,3685179
111+10,058 PCC	6938219,2545413	683960,6092771
112+0,000	6938225,6470905	683968,2237544
113+0,000	6938238,7119831	683983,3663352
113+5,729 PCC	6938242,5044468	683987,6602381
114+0,000	6938252,5854787	683997,7188072
115+0,000	6938269,9339339	684007,5020550
115+1,594 PT	6938271,4351260	684008,0378771
115+15,731 PC	6938285,0589232	684011,8116958
116+0,000	6938288,9275683	684013,6075254
116+18,074 PCC	6938300,9250196	684026,7131235



117+0,000	6938301,5564735	684028,5320232
117+10,059 PCR	6938301,5230644	684038,4570780
118+0,000	6938300,1082794	684048,2590796
118+7,918 PCC	6938301,1044570	684056,0948010
118+17,515 PCC	6938305,7655347	684064,3601707
119+0,000	6938307,5684927	684066,0698580
119+13,663 PT	6938319,1755180	684073,1381978
120+0,000	6938325,1200266	684075,3339643
120+8,042 PC	6938332,6640640	684078,1205604
121+0,000	6938344,0539373	684081,7111282
121+14,913 PT	6938358,8497365	684083,3182194
122+0,000	6938363,9289171	684083,6078054
122+5,778 PC	6938369,6974353	684083,9366937
123+0,000	6938383,8755489	684084,9841528
124+0,000	6938403,8441018	684084,1711903
124+5,114 PT	6938408,9180001	684083,5353448
125+0,000	6938423,7014263	684081,7894169
125+2,991 PC	6938426,6719493	684081,4385971
126+0,000	6938443,0006454	684085,2655951
126+9,644 PCC	6938450,4360896	684091,3387121
127+0,000	6938455,6963878	684100,2219291
127+2,663 PCR	6938456,6410306	684102,7108336
128+0,000	6938464,0463831	684118,3723648
129+0,000	6938475,1219519	684135,0012003
130+0,000	6938488,6509503	684149,7033293
130+11,672 PCR	6938497,5510141	684157,2481908
131+0,000	6938504,0161731	684162,4957508
131+19,143 PCC	6938517,5016833	684176,0572712
132+0,000	6938518,0232641	684176,7375168
132+7,009 PCC	6938521,1528117	684182,9723987
132+18,921 PCC	6938520,1882529	684194,6066715
133+0,000	6938519,7382387	684195,5876071
133+7,388 PT	6938515,1771488	684201,3302725
134+0,000	6938505,2306677	684209,0846663
134+5,610 PC	6938500,8060018	684212,5341879
134+17,769 PCC	6938492,5116479	684221,3061582
135+0,000	6938491,3684435	684223,2218495
136+0,000	6938486,9956454	684242,4653468



136+15,932 PCC	6938491,4375940	684257,6252969
137+0,000	6938493,3617147	684261,2093988
138+0,000	6938504,2817426	684277,9450287
138+1,049 PCC	6938504,9190935	684278,7784703
138+17,995 PCC	6938517,4081231	684290,1054544
139+0,000	6938519,1596207	684291,0802140
140+0,000	6938538,0265670	684297,4333020
140+8,875 PT	6938546,8621978	684298,1827273
140+16,532 PC	6938554,5042121	684298,6626578
141+0,000	6938557,9544876	684299,0001744
141+7,405 PT	6938565,1867418	684300,5560307
142+0,000	6938577,3403487	684303,8603817
142+3,994 PC	6938581,1943008	684304,9082032
142+19,430 PCC	6938587,9231750	684317,0439043
143+0,000	6938587,7524607	684317,5881706
144+0,000	6938573,4892365	684330,2843185
144+3,812 PT	6938569,7034904	684330,6748414
145+0,000	6938553,5187379	684330,9897651
146+0,000	6938533,5225230	684331,3788524
146+8,214 PC	6938525,3102370	684331,5386475
147+0,000	6938513,5578407	684332,3896104
147+2,893 PCC	6938510,6860513	684332,7385637
148+0,000	6938495,1148697	684338,9910527
148+0,947 PCC	6938494,4158135	684339,6300135
148+18,532 PCC	6938489,1663028	684355,4873151
149+0,000	6938489,5580929	684356,9014636
149+16,260 PCC	6938499,1020461	684369,6783926
150+0,000	6938502,0968267	684371,9164874
151+0,000	6938520,3773223	684379,6890444
151+8,607 PT	6938528,9189646	684380,6592090
152+0,000	6938540,2980889	684381,2131803
152+0,174 PC	6938540,4715169	684381,2216233
153+0,000	6938560,0876638	684383,7403471
154+0,000	6938578,6665100	684391,0073818
154+3,082 PCR	6938581,3487910	684392,5251494
155+0,000	6938596,3544811	684400,3058404
156+0,000	6938615,3188928	684406,5799673
156+2,922 PT	6938618,1694659	684407,2200335



156+18,172 PC	6938632,8410526	684411,3825585
157+0,000	6938634,6025770	684411,8699578
158+0,000	6938653,2262186	684419,0845058
159+0,000	6938670,2301019	684429,5610357
160+0,000	6938685,0488026	684442,9511752
160+0,736 PCC	6938685,5454984	684443,4936905
161+0,000	6938698,8999898	684457,3771817
162+0,000	6938712,3381874	684472,1888470
163+0,000	6938725,3305007	684487,3931352
164+0,000	6938737,8654642	684502,9766288
165+0,000	6938749,9320161	684518,9255757
166+0,000	6938761,5195080	684535,2259013
166+1,388 PCC	6938762,3055617	684536,3697044
167+0,000	6938771,9842394	684552,2624701
167+11,079 PCC	6938777,1840880	684562,0442372
168+0,000	6938779,9753854	684570,4582698
168+10,127 PT	6938779,0205458	684580,4572912
168+16,842 PC	6938777,2530703	684586,9359209
169+0,000	6938776,5019565	684590,0027247
170+0,000	6938776,1311722	684609,8774709
171+0,000	6938783,2080707	684628,4532756
171+3,494 PCC	6938785,1482736	684631,3588548
172+0,000	6938796,1375029	684643,6416586
172+4,314 PCR	6938799,3742157	684646,4937301
173+0,000	6938810,6949821	684657,3363904
174+0,000	6938823,0421349	684673,0436678
174+15,413 PCR	6938830,7826814	684686,3614342
175+0,000	6938832,8028135	684690,4792148
176+0,000	6938842,1707305	684708,1471211
177+0,000	6938852,4297854	684725,3129177
178+0,000	6938863,5531388	684741,9316960
179+0,000	6938875,5116900	684757,9599784
180+0,000	6938888,2741533	684773,3558322
180+1,731 PT	6938889,4154225	684774,6572242
181+0,000	6938901,2852990	684788,5448057
182+0,000	6938914,2798051	684803,7481873
182+0,151 PC	6938914,3778569	684803,8629064
183+0,000	6938924,1664678	684821,0546872



183+6,669 PCC	6938926,3198861	684827,3634524
184+0,000	6938928,7953830	684840,4510209
184+5,157 PT	6938929,2396287	684845,5879351
185+0,000	6938931,4754289	684860,2618169
185+5,847 PC	6938932,3561028	684866,0418079
186+0,000	6938939,2541238	684878,0565411
186+17,938 PT	6938956,0906206	684882,1682323
187+0,000	6938958,1248938	684881,8314923
187+18,478 PC	6938976,3545612	684878,8138751
188+0,000	6938977,8645257	684878,6208255
189+0,000	6938997,8213614	684877,5855926
190+0,000	6939017,7273811	684879,3455293
190+10,571 PCC	6939028,0950270	684881,3952699
191+0,000	6939037,1149974	684884,1184147
192+0,000	6939054,5644599	684893,7505265
192+17,033 PCC	6939066,7607220	684905,5796116
193+0,000	6939068,6904217	684907,8334015
193+13,386 PCR	6939076,4985187	684918,6927263
194+0,000	6939079,7164382	684924,4709713
195+0,000	6939090,7401474	684941,1455905
195+17,525 PT	6939101,9090074	684954,6416136
196+0,000	6939103,4856047	684956,5488577
197+0,000	6939116,2282664	684971,9639338
197+7,908 PC	6939121,2669170	684978,0592993
198+0,000	6939127,7695745	684988,2403504
198+13,157 PCC	6939133,0420510	685000,2794258
199+0,000	6939134,6194829	685006,9305485
200+0,000	6939133,1570931	685026,7029377
200+0,403 PCC	6939133,0353402	685027,0870652
200+17,442 PT	6939126,1328718	685042,6158675
201+0,000	6939124,7034333	685044,7375489
201+6,124 PC	6939121,2817757	685049,8162333
201+16,753 PT	6939117,7560358	685059,6995951
202+0,000	6939117,6295953	685062,9442518
202+8,795 PC	6939117,2871314	685071,7323987
202+16,795 PCC	6939120,2081539	685078,9915701
203+0,000	6939122,8806860	685080,7412970
203+10,809 PT	6939133,2973243	685080,4702028



204+0,000	6939141,0898500	685075,5968972
204+10,000	6939149,5683770	685070,2945788

RELATÓRIO DE ALINHAMENTO HORIZONTAL POR ESTACA CORREDOR ACESSO TAQUARAS

Estaca	Norte	Este
0+0,000	6937751,0207165	682293,0506808
0+10,210 PC	6937754,2856058	682283,3767972
0+19,541 PCC	6937759,8444986	682275,9725097
1+0,000	6937760,1988222	682275,6803686
1+18,55	6937778,5820907	682276,2310762

RELATÓRIO DE ALINHAMENTO HORIZONTAL POR ESTACA CORREDOR SAÍDA SENTIDO LAGES

Estaca	Norte	Este
0+0,000 PC	6937772,6977422	682238,2955371
0+17,946 PCR	6937779,3582444	682254,8636033
1+0,000	6937780,4507066	682256,6023751
1+13,051	6937784,1321618	682268,9983555



RELATÓRIO DE ALINHAMENTO VERTICAL POR ESTACA CORREDOR PRINCIPAL

Estaca	Cota
0+0,000	1038,0867852
0+14,352 PC	1037,7586797
1+0,000	1037,6295659
1+2,026 PCC	1037,5832437
2+0,000	1037,1723465
2+0,522 PCC	1037,1604167
2+19,202 PCR	1036,7028146
3+0,000	1036,6819274
4+0,000	1036,1583085
4+11,843 PT	1035,8482463
5+0,000	1035,6346896
5+13,397 PC	1035,2839309
6+0,000	1035,1110707
7+0,000	1034,5874519
8+0,000	1034,1248999
9+0,000	1033,9435408
9+2,650 PCR	1033,9241586
10+0,000	1033,7972414
11+0,000	1033,6509419
12+0,000	1033,5046101
13+0,000	1033,3177911
14+0,000	1033,0543862
15+0,000	1032,7159932
15+15,445 PCR	1032,4359486
16+0,000	1032,3583521
17+0,000	1032,1354271
18+0,000	1032,1043401
19+0,000	1032,2650912
20+0,000	1032,5478765
20+11,609 PCR	1032,7132271
21+0,000	1032,8327325
22+0,000	1033,1175885
23+0,000	1033,4024445
24+0,000	1033,6873005



25+0,000	1033,9721565
26+0,000	1034,2570125
27+0,000	1034,4726725
28+0,000	1034,1405249
29+0,000	1033,1692033
29+19,242 PCR	1031,8179881
30+0,000	1031,7642927
31+0,000	1030,3468594
32+0,000	1028,9294261
33+0,000	1027,5119928
33+7,262 PT	1027,0008501
34+0,000	1026,1786368
34+15,124 PC	1025,3406629
35+0,000	1025,1024910
36+0,000	1024,2887796
36+11,021 PCC	1023,9525309
37+0,000	1023,7375024
37+19,729 PT	1023,4508202
38+0,000	1023,4486596
38+19,263 PC	1023,3874353
39+0,000	1023,3862306
40+0,000	1023,3535401
40+7,459 PCR	1023,3413477
40+19,799 PCC	1023,3211786
41+0,000	1023,3208497
42+0,000	1023,2881592
42+16,826 PCC	1023,2606567
43+0,000	1023,2554687
44+0,000	1023,2201601
44+1,978 PT	1023,2160188
45+0,000	1023,1720737
46+0,000	1023,1101932
47+0,000	1023,0345185
48+0,000	1022,9450502
48+3,123 PC	1022,9300231
49+0,000	1022,8488102
49+16,005 PCR	1022,7717926
50+0,000	1022,7525702



51+0,000	1022,6563301
51+7,328 PCC	1022,6210673
52+0,000	1022,4553513
52+17,935 PCC	1021,8175290
53+0,000	1021,7136991
54+0,000	1020,5192248
54+15,562 PT	1019,5662257
55+0,000	1019,2944591
56+0,000	1018,0696934
56+8,660 PC	1017,5393843
57+0,000	1016,8449277
58+0,000	1015,6201620
59+0,000	1014,3953964
59+19,187 PCC	1013,2368406
60+0,000	1013,1891273
61+0,000	1012,0547952
61+5,313 PT	1011,7661186
62+0,000	1010,9890486
62+0,890 PC	1010,9421944
63+0,000	1009,9358610
63+18,226 PT	1008,9761103
64+0,000	1008,8826734
65+0,000	1007,8294858
66+0,000	1006,7754493
67+0,000	1005,5277676
68+0,000	1003,9741363
68+9,763 PC	1003,1910980
69+0,000	1002,3700077
69+16,678 PCR	1001,0323159
70+0,000	1000,7658791
71+0,000	999,1617505
71+11,142 PCR	998,2741837
72+0,000	997,5838057
73+0,000	996,0762503
73+6,656 PT	995,5903290
73+17,893 PC	994,7877574
74+0,000	994,6397992
75+0,000	993,2744524



75+3,943 PT	993,0136374
75+18,639 PC	992,0658598
76+0,000	991,9794951
77+0,000	990,7781970
77+0,472 PCC	990,7600353
77+16,977 PCC	990,7218885
78+0,000	990,8405945
78+12,487 PT	991,7433030
79+0,000	992,4840846
79+15,159 PC	993,9133446
80+0,000	994,2461400
80+4,662 PCC	994,4892323
81+0,000	994,7528563
81+3,739 PCC	994,6924557
82+0,000	993,8613690
83+0,000	991,8332910
83+5,785 PCC	991,2161756
84+0,000	989,6998207
84+16,060 PCR	987,9865988
85+0,000	987,5663504
85+7,289 PCR	986,7888109
86+0,000	985,4328801
87+0,000	983,2994097
87+4,157 PCR	982,8775836
88+0,000	981,7158426
88+3,222 PCC	981,5661370
88+18,187 PT	981,2542796
89+0,000	981,2593566
90+0,000	981,5275981
90+6,919 PC	981,6250800
91+0,000	981,8070005
92+0,000	980,9151755
92+0,042 PCC	980,9110483
93+0,000	978,2640864
93+18,927 PT	975,5927158
94+0,000	975,4413099
94+15,648 PC	973,2327618
95+0,000	972,6185335



96+0,000	969,7957570
96+8,779 PCR	968,5566575
97+0,000	966,9737439
97+10,593 PCC	965,6047605
98+0,000	964,5702197
98+7,311 PCR	963,8764151
99+0,000	962,7067365
100+0,000	960,8631305
100+18,105 PCC	959,1941664
101+0,000	959,0195244
101+17,533 PCC	957,4033069
102+0,000	957,1759183
103+0,000	955,4400686
103+14,812 PT	955,0694543
104+0,000	955,1860109
104+0,229 PI	955,1941006
105+0,000	956,3834800
105+2,661 PC	956,5167613
106+0,000	956,9019367
107+0,000	956,3058109
107+8,960 PCR	955,6772707
108+0,000	954,7600245
109+0,000	953,0983564
109+0,442 PCR	953,0616527
110+0,000	951,4366883
110+11,562 PCC	950,4760581
111+0,000	949,7750203
111+1,839 PCC	949,6221884
111+10,058 PCC	948,9393768
112+0,000	948,1133522
113+0,000	946,4516842
113+5,729 PCC	945,9757065
114+0,000	944,7900161
115+0,000	943,1283480
115+1,594 PT	942,9959136
115+15,731 PC	941,8213788
116+0,000	941,4666800
116+18,074 PCC	939,9533238



117+0,000	939,7883125
117+10,059 PCR	938,9124506
118+0,000	938,0234758
118+7,918 PCC	937,2987870
118+17,515 PCC	936,4005847
119+0,000	936,1648966
119+13,663 PT	934,8689013
120+0,000	934,2677981
120+8,042 PC	933,5049520
121+0,000	932,3706996
121+14,913 PT	930,9561687
122+0,000	930,4736010
122+5,778 PC	929,9255400
123+0,000	928,7814332
124+0,000	928,5607615
124+5,114 PT	928,5743541
125+0,000	928,3920333
125+2,991 PC	928,2796413
126+0,000	927,1468117
126+9,644 PCC	926,1314459
127+0,000	924,8851035
127+2,663 PCR	924,5646006
128+0,000	922,4777414
129+0,000	920,0703792
130+0,000	917,6630170
130+11,672 PCR	916,2581067
131+0,000	915,2556549
131+19,143 PCC	912,9514787
132+0,000	912,8482927
132+7,009 PCC	912,0045972
132+18,921 PCC	910,5708564
133+0,000	910,4409305
133+7,388 PT	909,5516536
134+0,000	908,0335683
134+5,610 PC	907,3582521
134+17,769 PCC	905,8947766
135+0,000	905,6262062
136+0,000	903,2188440



136+15,932 PCC	901,3011475
137+0,000	900,8114818
138+0,000	898,4041197
138+1,049 PCC	898,2778280
138+17,995 PCC	896,3871517
139+0,000	896,1913469
140+0,000	894,5683957
140+8,875 PT	893,9722854
140+16,532 PC	893,4580044
141+0,000	893,2251116
141+7,405 PT	892,7277470
142+0,000	891,8818275
142+3,994 PC	891,6135834
142+19,430 PCC	890,5768560
143+0,000	890,5385434
144+0,000	889,4538483
144+3,812 PT	889,3263207
145+0,000	889,0190437
146+0,000	888,6420340
146+8,214 PC	888,4042553
147+0,000	887,9730410
147+2,893 PCC	887,8509801
148+0,000	886,9985292
148+0,947 PCC	886,9448029
148+18,532 PCC	885,8228177
149+0,000	885,7184986
149+16,260 PCC	884,4915613
150+0,000	884,2060523
151+0,000	882,6790932
151+8,607 PT	882,0219359
152+0,000	881,1521341
152+0,174 PC	881,1388776
153+0,000	879,6251750
154+0,000	878,0982159
154+3,082 PCR	877,8629033
155+0,000	876,5712568
156+0,000	875,0442305
156+2,922 PT	874,8193153



156+18,172 PC	873,6040308
157+0,000	873,4537379
158+0,000	871,7441824
159+0,000	869,9155638
160+0,000	867,9678824
160+0,736 PCC	867,8939817
161+0,000	865,9011379
162+0,000	863,7153305
163+0,000	861,4493455
164+0,000	859,1811706
165+0,000	856,9129957
166+0,000	854,6448208
166+1,388 PCC	854,4874249
167+0,000	852,3766459
167+11,079 PCC	851,1202079
168+0,000	850,1084710
168+10,127 PT	848,9600177
168+16,842 PC	848,1984325
169+0,000	847,8402961
170+0,000	845,5456693
171+0,000	843,2057524
171+3,494 PCC	842,7960024
172+0,000	840,8606189
172+4,314 PCR	840,3547223
173+0,000	838,5154853
174+0,000	837,0630997
174+15,413 PCR	837,2505053
175+0,000	837,3614721
176+0,000	837,7665065
177+0,000	836,9797863
178+0,000	834,6411969
179+0,000	831,5081540
180+0,000	828,4369776
180+1,731 PT	828,1884184
181+0,000	825,7778233
182+0,000	823,4297940
182+0,151 PC	823,4121382
183+0,000	821,0899278



183+6,669 PCC	820,3097387
184+0,000	818,9630118
184+5,157 PT	818,5405179
185+0,000	817,3244113
185+5,847 PC	816,8453912
186+0,000	815,6726492
186+17,938 PT	814,0929505
187+0,000	813,9042056
187+18,478 PC	812,1468326
188+0,000	811,9967573
189+0,000	809,9500297
190+0,000	807,7637277
190+10,571 PCC	806,5524123
191+0,000	805,4604840
192+0,000	803,1444420
192+17,033 PCC	801,1720027
193+0,000	800,8284000
193+13,386 PCR	799,2783023
194+0,000	798,5123581
195+0,000	796,2073212
195+17,525 PT	794,4329116
196+0,000	794,2013054
197+0,000	792,3293756
197+7,908 PC	791,5891849
198+0,000	790,4574458
198+13,157 PCC	789,2259584
199+0,000	788,5930485
200+0,000	786,8860001
200+0,403 PCC	786,8538235
200+17,442 PT	785,5731281
201+0,000	785,3912004
201+6,124 PC	784,9557188
201+16,753 PT	784,1998508
202+0,000	783,9689379
202+8,795 PC	783,3435110
202+16,795 PCC	782,7745647
203+0,000	782,5466755
203+10,809 PT	781,9375251



204+0,000	781,6741886
4+090,00	781,4414064

RELATÓRIO DE ALINHAMENTO VERTICAL POR ESTACA ACESSO TAQUARAS

Estaca	Cota
0+0,000	1036,5368919
0+10,210 PC	1037,0569002
0+19,541 PCC	1037,3291219
1+0,000	1037,3371876
1+18,55	1037,2032937

RELATÓRIO DE ALINHAMENTO VERTICAL POR ESTACA SAÍDA SENTIDO LAGES

Estaca	Cota
0+0,000	1038,5376566
0+17,946 PCR	1037,8176597
1+0,000	1037,7444055
1+13,051 PT	1037,3229826



RELATÓRIO DE CORTE E ATERRO

Estacas	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume de Aterro (m ³)	Volum. Aterro. Acumu. (m ³)	Volum. Corte. Acumu. (m ³)	Volume Líquido (m ³)
0+000.00	3.69	0.00	0.00	0.00	0.00	0.00	0.00
0+014.35	2.30	42.96	0.01	0.11	42.96	0.11	42.85
0+018.19	2.28	8.95	0.01	0.04	51.91	0.14	51.77
0+020.00	2.31	4.23	0.01	0.01	56.14	0.16	55.98
0+031.27	2.17	25.48	0.00	0.06	81.62	0.22	81.40
0+040.00	1.93	17.85	0.01	0.07	99.47	0.29	99.18
0+049.86	1.36	16.21	0.03	0.21	115.68	0.49	115.19
0+060.00	0.33	8.58	0.22	1.14	124.26	1.63	122.63
0+075.52	1.88	17.08	0.02	1.95	141.34	3.58	137.76
0+080.00	2.19	9.09	0.00	0.05	150.43	3.63	146.80
0+091.84	1.80	23.56	0.01	0.06	173.99	3.69	170.30
0+100.00	1.33	12.78	0.02	0.13	186.77	3.83	182.95
0+113.40	0.64	13.19	0.07	0.63	199.97	4.45	195.51
0+120.00	0.35	3.26	0.26	1.11	203.22	5.56	197.66
0+140.00	0.00	3.52	2.45	27.14	206.74	32.70	174.04
0+148.02	0.00	0.00	2.46	19.73	206.74	52.43	154.31
0+160.00	0.03	0.16	1.61	24.45	206.91	76.88	130.02
0+180.00	0.03	0.61	1.57	31.90	207.52	108.78	98.73
0+200.00	0.17	2.02	0.96	25.40	209.54	134.18	75.36
0+220.00	0.41	5.78	0.51	14.69	215.32	148.88	66.44
0+240.00	0.67	10.78	0.23	7.40	226.10	156.28	69.82
0+249.05	1.80	11.18	0.02	1.12	237.28	157.40	79.87
0+260.00	3.45	28.76	0.00	0.11	266.04	157.51	108.52
0+280.00	4.06	75.15	0.00	0.00	341.19	157.51	183.68
0+300.00	3.60	76.66	0.08	0.76	417.85	158.28	259.57
0+320.00	0.03	36.30	2.75	28.24	454.15	186.52	267.63
0+340.00	0.21	2.38	1.78	45.56	456.53	232.08	224.45
0+360.00	1.69	18.96	0.34	21.37	475.50	253.45	222.04
0+363.53	1.96	6.45	0.22	0.99	481.95	254.44	227.50
0+380.00	2.47	36.40	0.15	3.06	518.35	257.50	260.85
0+400.00	3.14	55.93	0.06	2.12	574.28	259.62	314.66
0+420.00	5.03	81.54	0.00	0.64	655.82	260.25	395.56
0+440.00	7.58	126.21	0.00	0.01	782.03	260.26	521.77
0+460.00	6.36	139.54	0.00	0.00	921.57	260.26	661.30
0+480.00	3.11	94.81	0.06	0.64	1,016.37	260.91	755.46
0+500.00	1.28	44.02	0.24	3.06	1,060.39	263.96	796.43
0+505.43	0.73	5.47	0.59	2.26	1,065.87	266.23	799.64
0+520.00	0.14	6.35	1.77	17.17	1,072.22	283.39	788.82
0+540.00	0.00	1.36	3.85	56.07	1,073.58	339.46	734.11
0+560.00	0.08	0.82	2.02	58.60	1,074.40	398.06	676.33
0+580.00	0.63	7.12	0.22	22.42	1,081.52	420.48	661.04
0+600.00	0.15	7.79	0.57	7.90	1,089.31	428.38	660.93



0+620.00	0.05	1.92	1.08	16.61	1,091.23	444.99	646.24
0+633.25	0.06	0.69	1.12	14.67	1,091.93	459.66	632.26
0+640.00	0.09	0.48	1.04	7.34	1,092.41	467.00	625.41
0+660.00	0.46	5.43	0.39	14.46	1,097.84	481.46	616.37
0+667.26	0.87	4.79	0.24	2.35	1,102.63	483.82	618.81
0+680.00	1.51	15.13	0.15	2.49	1,117.76	486.31	631.45
0+695.12	1.36	21.71	0.17	2.36	1,139.47	488.67	650.80
0+700.00	1.10	6.08	0.19	0.84	1,145.54	489.51	656.03
0+713.07	0.00	7.37	2.26	14.68	1,152.91	504.19	648.72
0+720.00	0.00	0.01	2.54	15.51	1,152.92	519.70	633.22
0+740.00	0.14	1.34	0.70	30.36	1,154.25	550.05	604.20
0+745.38	0.35	1.25	0.47	2.76	1,155.50	552.82	602.68
0+759.73	1.52	13.12	0.10	3.59	1,168.62	556.41	612.21
0+760.00	1.54	0.44	0.09	0.03	1,169.06	556.44	612.62
0+779.26	2.73	41.16	0.00	0.86	1,210.22	557.30	652.92
0+780.00	2.76	2.06	0.00	0.00	1,212.28	557.30	654.98
0+793.36	3.65	42.71	0.00	0.00	1,254.99	557.30	697.68
0+800.00	4.27	26.22	0.00	0.00	1,281.20	557.30	723.90
0+813.63	5.68	67.99	0.00	0.00	1,349.19	557.30	791.89
0+820.00	6.02	37.69	0.00	0.00	1,386.88	557.30	829.57
0+838.31	5.64	107.09	0.00	0.00	1,493.97	557.30	936.66
0+840.00	5.56	9.48	0.00	0.00	1,503.44	557.30	946.14
0+860.00	3.99	95.78	0.00	0.00	1,599.23	557.30	1,041.92
0+869.40	2.89	32.37	0.00	0.00	1,631.60	557.30	1,074.29
0+880.00	1.65	24.12	0.03	0.15	1,655.72	557.45	1,098.27
0+881.98	1.43	3.05	0.05	0.07	1,658.77	557.52	1,101.25
0+900.00	0.25	15.17	0.29	3.06	1,673.94	560.58	1,113.35
0+920.00	0.00	2.54	1.29	15.87	1,676.48	576.45	1,100.03
0+940.00	0.00	0.00	2.49	37.79	1,676.48	614.24	1,062.24
0+960.00	0.00	0.00	3.36	58.46	1,676.48	672.70	1,003.78
0+963.12	0.00	0.00	3.42	10.58	1,676.48	683.29	993.19
0+979.56	0.00	0.00	3.52	57.25	1,676.48	740.54	935.94
0+980.00	0.00	0.00	3.52	1.53	1,676.48	742.08	934.41
1+000.00	0.00	0.00	2.73	62.61	1,676.48	804.69	871.79
1+011.67	0.00	0.00	2.24	28.89	1,676.48	833.58	842.90
1+020.00	0.00	0.00	2.02	17.70	1,676.48	851.28	825.20
1+040.00	0.03	0.24	1.42	34.04	1,676.73	885.32	791.40
1+042.63	0.03	0.07	1.34	3.59	1,676.79	888.91	787.88
1+060.00	0.00	0.23	2.70	34.79	1,677.02	923.70	753.32
1+076.75	0.00	0.00	1.93	38.65	1,677.02	962.35	714.67
1+080.00	0.00	0.00	1.79	6.04	1,677.02	968.39	708.64
1+095.56	0.00	0.00	1.24	23.58	1,677.02	991.97	685.05
1+100.00	0.00	0.00	1.10	5.20	1,677.02	997.17	679.85
1+120.00	0.04	0.37	0.47	15.63	1,677.39	1,012.80	664.58
1+128.66	0.17	0.89	0.32	3.39	1,678.28	1,016.20	662.08
1+140.00	0.45	3.52	0.23	3.09	1,681.80	1,019.29	662.50



1+160.00	0.45	9.02	0.23	4.59	1,690.81	1,023.89	666.92
1+163.92	0.32	1.50	0.27	0.98	1,692.31	1,024.86	667.45
1+180.00	0.01	2.59	0.66	7.49	1,694.90	1,032.36	662.54
1+200.00	0.00	0.06	1.36	20.32	1,694.96	1,052.68	642.29
1+212.25	0.00	0.02	1.66	18.87	1,694.98	1,071.55	623.44
1+220.00	0.01	0.05	1.61	13.02	1,695.04	1,084.57	610.47
1+225.31	0.04	0.14	1.37	8.20	1,695.18	1,092.77	602.41
1+240.00	0.29	2.49	0.56	14.17	1,697.66	1,106.94	590.72
1+240.89	0.32	0.27	0.52	0.48	1,697.94	1,107.42	590.51
1+259.56	0.84	10.94	0.20	6.58	1,708.88	1,114.01	594.87
1+260.00	0.85	0.37	0.20	0.09	1,709.25	1,114.10	595.16
1+278.23	0.93	16.32	0.18	3.33	1,725.57	1,117.42	608.15
1+280.00	0.91	1.61	0.18	0.34	1,727.18	1,117.76	609.42
1+300.00	0.55	14.67	0.25	4.36	1,741.85	1,122.12	619.73
1+320.00	0.32	8.76	0.38	6.33	1,750.61	1,128.45	622.16
1+340.00	0.47	7.90	0.36	7.41	1,758.51	1,135.85	622.65
1+360.00	0.79	12.58	0.24	5.94	1,771.09	1,141.80	629.29
1+369.76	1.42	10.81	0.17	1.97	1,781.90	1,143.77	638.13
1+380.00	2.92	22.72	0.00	0.76	1,804.62	1,144.53	660.08
1+383.22	3.20	9.98	0.00	0.01	1,814.59	1,144.54	670.05
1+400.00	3.97	60.43	0.00	0.01	1,875.02	1,144.55	730.46
1+413.91	4.55	59.16	0.00	0.00	1,934.18	1,144.55	789.63
1+420.00	4.55	27.60	0.00	0.00	1,961.78	1,144.55	817.23
1+440.00	4.92	94.60	0.00	0.00	2,056.38	1,144.55	911.83
1+448.90	3.74	38.69	0.00	0.00	2,095.07	1,144.55	950.52
1+460.00	1.97	31.73	0.00	0.00	2,126.80	1,144.55	982.25
1+466.66	0.92	9.61	0.11	0.37	2,136.42	1,144.93	991.49
1+477.89	0.00	5.19	1.38	8.34	2,141.61	1,153.26	988.34
1+480.00	0.00	0.00	1.83	3.38	2,141.61	1,156.64	984.97
1+490.92	0.00	0.00	3.96	32.24	2,141.61	1,188.88	952.73
1+500.00	0.00	0.00	4.52	39.77	2,141.61	1,228.64	912.96
1+503.94	0.00	0.00	4.11	17.73	2,141.61	1,246.37	895.23
1+518.64	0.58	4.31	0.87	36.41	2,145.91	1,282.78	863.13
1+520.00	0.80	0.94	0.70	1.07	2,146.85	1,283.86	862.99
1+529.56	1.41	10.09	0.49	5.86	2,156.94	1,289.71	867.22
1+540.00	1.15	12.89	0.48	5.20	2,169.82	1,294.91	874.91
1+548.72	1.20	9.12	0.60	5.46	2,178.94	1,300.37	878.57
1+560.00	0.95	11.14	0.69	8.08	2,190.09	1,308.45	881.64
1+564.73	0.71	3.58	0.80	3.89	2,193.67	1,312.34	881.33
1+572.49	0.24	3.30	0.91	7.17	2,196.97	1,319.51	877.46
1+580.00	0.04	1.03	1.33	8.43	2,198.00	1,327.94	870.06
1+595.16	0.05	0.64	1.15	18.84	2,198.64	1,346.77	851.87
1+599.91	0.28	0.89	0.92	4.26	2,199.53	1,351.03	848.50
1+600.00	0.28	0.03	0.92	0.08	2,199.56	1,351.12	848.44
1+614.20	0.62	7.21	0.98	11.47	2,206.77	1,362.58	844.19
1+620.00	0.46	3.49	1.32	5.82	2,210.26	1,368.41	841.85



1+640.00	0.00	5.05	2.55	36.15	2,215.30	1,404.56	810.74
1+644.76	0.00	0.01	2.54	11.56	2,215.31	1,416.13	799.19
1+660.00	0.00	0.00	2.36	36.40	2,215.32	1,452.53	762.79
1+680.00	0.00	0.00	1.73	41.03	2,215.32	1,493.56	721.76
1+680.92	0.00	0.00	1.69	1.58	2,215.32	1,495.14	720.18
1+700.00	0.03	0.29	0.58	21.46	2,215.61	1,516.59	699.02
1+701.67	0.01	0.04	0.53	0.91	2,215.65	1,517.50	698.15
1+720.00	0.66	6.14	0.19	6.60	2,221.79	1,524.10	697.69
1+725.72	0.81	4.25	0.14	0.91	2,226.04	1,525.01	701.03
1+740.00	1.03	13.18	0.08	1.58	2,239.22	1,526.60	712.62
1+753.69	0.08	7.61	0.77	6.02	2,246.83	1,532.61	714.22
1+760.00	0.00	0.23	2.36	10.56	2,247.07	1,543.17	703.90
1+770.70	0.00	0.00	4.01	37.25	2,247.07	1,580.42	666.65
1+778.19	0.00	0.01	3.09	29.01	2,247.07	1,609.43	637.65
1+780.00	0.02	0.02	2.63	5.48	2,247.10	1,614.91	632.18
1+800.00	1.11	11.31	0.49	31.24	2,258.41	1,646.16	612.25
1+806.92	1.93	10.51	0.25	2.55	2,268.92	1,648.71	620.21
1+820.00	1.64	24.37	0.34	3.44	2,293.29	1,652.16	641.13
1+823.48	1.39	5.48	0.42	1.21	2,298.77	1,653.37	645.41
1+840.00	3.05	37.77	0.07	3.74	2,336.54	1,657.11	679.43
1+859.48	2.33	53.20	0.00	0.62	2,389.74	1,657.73	732.01
1+860.00	2.24	1.16	0.00	0.00	2,390.90	1,657.73	733.17
1+878.93	1.91	37.90	0.39	4.15	2,428.81	1,661.88	766.93
1+880.00	2.04	2.22	0.32	0.34	2,431.02	1,662.22	768.80
1+895.65	3.91	46.48	0.01	2.62	2,477.51	1,664.84	812.67
1+900.00	4.06	17.75	0.00	0.02	2,495.26	1,664.86	830.40
1+912.21	3.27	45.25	0.00	0.00	2,540.51	1,664.86	875.65
1+920.00	2.41	22.08	0.00	0.00	2,562.59	1,664.87	897.73
1+939.69	0.02	23.95	2.27	22.88	2,586.55	1,687.75	898.80
1+940.00	0.02	0.01	2.30	0.72	2,586.55	1,688.47	898.09
1+958.95	1.22	10.94	0.98	33.24	2,597.49	1,721.71	875.78
1+960.00	1.36	1.31	0.89	1.04	2,598.79	1,722.75	876.05
1+980.00	5.74	70.74	0.01	9.12	2,669.53	1,731.87	937.67
1+992.71	8.41	90.30	0.00	0.05	2,759.83	1,731.92	1,027.91
2+000.00	9.65	66.09	0.00	0.00	2,825.92	1,731.92	1,094.00
2+020.00	11.60	213.80	0.00	0.00	3,039.72	1,731.92	1,307.80
2+027.82	10.42	87.76	0.00	0.00	3,127.48	1,731.92	1,395.56
2+040.00	5.78	100.49	0.07	0.36	3,227.97	1,732.28	1,495.69
2+056.17	0.86	54.51	0.95	5.54	3,282.48	1,737.83	1,544.65
2+060.00	0.66	2.62	1.16	2.94	3,285.10	1,740.76	1,544.33
2+074.81	0.53	7.66	1.08	15.91	3,292.75	1,756.68	1,536.08
2+080.00	0.80	3.43	1.09	5.70	3,296.18	1,762.37	1,533.81
2+100.00	0.89	16.85	1.48	25.73	3,313.03	1,788.11	1,524.93
2+102.66	1.00	2.50	1.34	3.76	3,315.53	1,791.86	1,523.67
2+120.00	1.80	25.40	0.86	17.80	3,340.94	1,809.66	1,531.28
2+125.81	1.74	10.78	0.87	4.67	3,351.72	1,814.33	1,537.40



2+140.00	1.00	20.43	1.25	13.98	3,372.15	1,828.31	1,543.84
2+160.00	0.24	12.48	2.49	37.11	3,384.63	1,865.42	1,519.20
2+164.70	0.39	1.41	2.26	11.65	3,386.04	1,877.07	1,508.97
2+180.00	3.12	25.99	0.34	20.82	3,412.03	1,897.89	1,514.15
2+196.00	9.09	99.33	0.00	2.57	3,511.36	1,900.46	1,610.90
2+200.00	9.57	38.03	0.00	0.00	3,549.38	1,900.46	1,648.93
2+216.70	5.27	126.12	0.00	0.00	3,675.50	1,900.46	1,775.05
2+220.00	4.01	15.28	0.00	0.00	3,690.78	1,900.46	1,790.33
2+225.95	1.80	17.24	0.05	0.16	3,708.02	1,900.61	1,807.41
2+240.00	0.00	12.65	3.57	25.59	3,720.67	1,926.20	1,794.47
2+247.89	0.00	0.00	4.39	31.43	3,720.67	1,957.63	1,763.04
2+260.00	0.00	0.00	4.74	55.28	3,720.67	2,012.90	1,707.76
2+280.00	0.00	0.00	4.11	88.48	3,720.67	2,101.39	1,619.28
2+283.66	0.00	0.00	4.01	14.88	3,720.67	2,116.26	1,604.40
2+300.00	0.00	0.00	3.30	59.90	3,720.67	2,176.16	1,544.51
2+301.59	0.00	0.00	3.19	5.21	3,720.67	2,181.37	1,539.30
2+315.73	0.00	0.00	2.05	37.09	3,720.67	2,218.46	1,502.20
2+320.00	0.00	0.00	1.78	7.97	3,720.67	2,226.43	1,494.23
2+326.90	0.00	0.00	1.57	11.51	3,720.67	2,237.94	1,482.72
2+340.00	0.16	0.95	0.80	16.03	3,721.61	2,253.97	1,467.64
2+344.07	0.60	1.38	0.38	2.73	3,723.00	2,256.70	1,466.30
2+358.99	1.20	13.28	0.19	4.36	3,736.28	2,261.06	1,475.21
2+360.00	1.14	1.22	0.19	0.17	3,737.49	2,261.24	1,476.26
2+372.72	0.02	7.62	0.52	4.34	3,745.11	2,265.58	1,479.54
2+380.00	0.00	0.06	1.43	7.39	3,745.18	2,272.97	1,472.21
2+385.59	0.00	0.01	1.83	9.42	3,745.19	2,282.39	1,462.80
2+393.66	0.04	0.17	1.80	15.25	3,745.36	2,297.64	1,447.73
2+400.00	0.12	0.53	1.38	10.09	3,745.90	2,307.72	1,438.17
2+408.04	0.29	1.68	0.93	9.29	3,747.58	2,317.01	1,430.57
2+420.00	0.46	4.38	1.38	14.18	3,751.96	2,331.19	1,420.77
2+421.48	0.44	0.64	1.45	2.17	3,752.60	2,333.36	1,419.24
2+434.91	0.85	8.41	1.21	18.59	3,761.02	2,351.95	1,409.06
2+440.00	1.06	4.98	0.91	5.21	3,765.99	2,357.16	1,408.83
2+445.78	1.38	7.04	0.67	4.58	3,773.04	2,361.74	1,411.29
2+460.00	1.02	17.02	1.00	11.94	3,790.05	2,373.68	1,416.37
2+465.45	0.80	4.89	1.28	6.30	3,794.95	2,379.98	1,414.96
2+480.00	0.42	8.75	1.90	23.52	3,803.70	2,403.50	1,400.20
2+485.11	0.37	1.98	2.01	10.17	3,805.68	2,413.68	1,392.00
2+500.00	0.84	9.04	1.24	24.13	3,814.72	2,437.81	1,376.91
2+502.99	1.09	2.89	0.82	3.08	3,817.61	2,440.89	1,376.72
2+516.32	0.42	10.85	0.42	7.27	3,828.47	2,448.16	1,380.31
2+520.00	0.33	1.48	0.38	1.34	3,829.94	2,449.49	1,380.45
2+536.15	1.57	15.41	0.02	2.98	3,845.36	2,452.47	1,392.89
2+540.00	2.13	7.06	0.01	0.05	3,852.41	2,452.52	1,399.90
2+560.00	2.50	46.26	0.02	0.26	3,898.67	2,452.78	1,445.89
2+577.17	2.52	42.83	0.05	0.64	3,941.50	2,453.41	1,488.09



2+580.00	2.61	7.22	0.05	0.15	3,948.72	2,453.56	1,495.16
2+600.00	4.31	68.76	0.00	0.50	4,017.47	2,454.06	1,563.41
2+620.00	5.85	101.43	0.00	0.00	4,118.91	2,454.06	1,664.84
2+625.41	7.37	36.00	0.00	0.00	4,154.90	2,454.06	1,700.84
2+640.00	10.51	131.60	0.00	0.00	4,286.50	2,454.06	1,832.44
2+643.08	10.61	33.35	0.00	0.00	4,319.85	2,454.06	1,865.79
2+652.96	9.25	100.16	0.00	0.00	4,420.02	2,454.06	1,965.95
2+660.00	7.85	59.91	0.00	0.00	4,479.93	2,454.06	2,025.86
2+663.15	7.65	23.83	0.00	0.00	4,503.76	2,454.06	2,049.70
2+667.39	8.01	31.98	0.00	0.00	4,535.74	2,454.06	2,081.68
2+680.00	10.43	116.10	0.00	0.00	4,651.85	2,454.06	2,197.78
2+685.61	11.55	61.67	0.00	0.00	4,713.52	2,454.06	2,259.46
2+691.69	12.44	74.02	0.00	0.00	4,787.53	2,454.06	2,333.47
2+700.00	12.01	102.99	0.00	0.00	4,890.53	2,454.06	2,436.47
2+716.85	8.74	175.69	0.00	0.00	5,066.22	2,454.06	2,612.15
2+720.00	8.10	26.43	0.00	0.00	5,092.65	2,454.06	2,638.58
2+740.00	4.11	121.21	0.00	0.00	5,213.86	2,454.06	2,759.80
2+748.49	2.50	27.91	0.10	0.42	5,241.78	2,454.48	2,787.29
2+760.00	1.00	19.97	0.45	3.23	5,261.74	2,457.72	2,804.03
2+769.52	0.49	6.81	1.44	9.48	5,268.56	2,467.20	2,801.36
2+780.00	0.47	4.71	2.00	19.09	5,273.27	2,486.29	2,786.98
2+793.44	1.39	12.02	1.10	21.76	5,285.29	2,508.05	2,777.24
2+800.00	2.39	12.00	0.58	5.79	5,297.29	2,513.84	2,783.45
2+808.88	5.25	33.03	0.08	3.07	5,330.33	2,516.91	2,813.42
2+816.53	8.32	52.38	0.00	0.29	5,382.71	2,517.20	2,865.51
2+820.00	9.62	31.80	0.00	0.00	5,414.51	2,517.20	2,897.31
2+821.97	10.20	19.94	0.00	0.00	5,434.45	2,517.20	2,917.25
2+827.41	11.19	59.39	0.00	0.00	5,493.84	2,517.20	2,976.64
2+840.00	13.03	152.23	0.00	0.00	5,646.07	2,517.20	3,128.87
2+843.99	13.62	53.21	0.00	0.00	5,699.29	2,517.20	3,182.09
2+851.71	10.04	98.41	0.00	0.00	5,797.70	2,517.20	3,280.50
2+860.00	2.73	54.01	0.04	0.23	5,851.71	2,517.43	3,334.28
2+871.62	0.00	15.18	4.61	29.73	5,866.88	2,547.16	3,319.73
2+880.00	0.00	0.01	6.16	49.57	5,866.89	2,596.73	3,270.16
2+883.81	0.01	0.02	5.24	23.96	5,866.91	2,620.69	3,246.22
2+900.00	0.84	6.90	2.20	60.18	5,873.80	2,680.87	3,192.93
2+920.00	3.71	45.51	0.35	25.45	5,919.31	2,706.32	3,212.99
2+928.21	6.07	40.17	0.04	1.61	5,959.48	2,707.93	3,251.55
2+935.55	8.36	53.54	0.00	0.16	6,013.02	2,708.09	3,304.94
2+940.00	9.72	40.52	0.00	0.00	6,053.54	2,708.09	3,345.46
2+951.92	12.16	133.90	0.00	0.00	6,187.45	2,708.09	3,479.36
2+960.00	9.70	91.74	0.00	0.00	6,279.19	2,708.09	3,571.10
2+969.74	5.53	77.27	0.06	0.19	6,356.46	2,708.27	3,648.19
2+980.00	0.87	33.82	0.09	0.64	6,390.28	2,708.91	3,681.37
2+987.40	0.00	3.23	2.06	8.12	6,393.51	2,717.03	3,676.48
3+000.00	0.00	0.00	5.77	50.27	6,393.51	2,767.31	3,626.21



3+012.43	0.00	0.00	7.54	84.21	6,393.51	2,851.52	3,541.99
3+020.00	0.00	0.00	6.86	55.68	6,393.51	2,907.20	3,486.31
3+028.61	0.00	0.00	4.28	49.31	6,393.51	2,956.51	3,437.00
3+040.00	0.88	5.03	1.15	30.81	6,398.54	2,987.32	3,411.22
3+040.17	0.91	0.16	1.12	0.20	6,398.70	2,987.51	3,411.18
3+060.00	4.93	58.62	0.01	10.83	6,457.32	2,998.34	3,458.97
3+061.63	5.13	8.29	0.00	0.01	6,465.61	2,998.35	3,467.26
3+080.00	5.19	95.80	0.00	0.02	6,561.41	2,998.37	3,563.04
3+100.00	3.63	87.78	0.07	0.70	6,649.19	2,999.07	3,650.11
3+103.00	3.63	10.80	0.08	0.22	6,659.98	2,999.30	3,660.69
3+120.00	4.90	71.86	0.01	0.74	6,731.84	3,000.03	3,731.81
3+122.92	5.39	14.90	0.00	0.01	6,746.74	3,000.05	3,746.70
3+138.17	7.46	98.41	0.00	0.01	6,845.15	3,000.05	3,845.10
3+140.00	7.78	13.93	0.00	0.00	6,859.08	3,000.05	3,859.02
3+160.00	9.75	176.45	0.00	0.00	7,035.53	3,000.05	4,035.47
3+169.45	9.82	93.06	0.08	0.43	7,128.59	3,000.48	4,128.11
3+180.00	9.33	101.52	0.08	0.93	7,230.11	3,001.41	4,228.70
3+200.00	6.65	160.59	0.04	1.32	7,390.70	3,002.73	4,387.98
3+220.00	3.47	101.26	0.02	0.59	7,491.97	3,003.32	4,488.65
3+240.00	1.40	48.75	0.17	1.82	7,540.72	3,005.15	4,535.58
3+260.00	0.23	16.30	0.65	8.17	7,557.02	3,013.31	4,543.71
3+261.06	0.19	0.23	0.74	0.74	7,557.24	3,014.05	4,543.19
3+280.00	0.00	1.83	3.02	35.53	7,559.08	3,049.58	4,509.49
3+300.00	0.00	0.00	3.57	65.80	7,559.08	3,115.38	4,443.69
3+320.00	0.00	0.00	4.12	76.88	7,559.08	3,192.26	4,366.82
3+336.23	0.00	0.00	4.81	72.38	7,559.08	3,264.64	4,294.44
3+340.00	0.00	0.00	4.98	18.44	7,559.08	3,283.08	4,276.00
3+360.00	0.04	0.36	1.41	64.13	7,559.44	3,347.21	4,212.23
3+360.60	0.07	0.03	1.33	0.88	7,559.47	3,348.09	4,211.38
3+370.13	1.46	6.80	0.27	8.27	7,566.27	3,356.36	4,209.91
3+376.84	3.61	17.16	0.01	0.91	7,583.43	3,357.28	4,226.15
3+380.00	4.66	13.24	0.00	0.02	7,596.67	3,357.29	4,239.38
3+400.00	9.54	143.19	0.00	0.00	7,739.86	3,357.29	4,382.56
3+400.17	9.57	1.61	0.00	0.00	7,741.47	3,357.29	4,384.17
3+420.00	9.21	186.75	0.00	0.00	7,928.21	3,357.29	4,570.92
3+433.90	7.93	119.07	0.00	0.03	8,047.28	3,357.32	4,689.96
3+440.00	7.51	46.96	0.05	0.19	8,094.24	3,357.51	4,736.73
3+460.00	6.25	137.65	0.23	2.71	8,231.89	3,360.21	4,871.67
3+469.86	4.89	55.03	0.30	2.42	8,286.91	3,362.63	4,924.28
3+480.00	0.71	28.44	0.42	3.46	8,315.36	3,366.09	4,949.27
3+500.00	1.99	27.46	0.10	5.08	8,342.82	3,371.17	4,971.64
3+520.00	2.05	40.10	0.09	1.99	8,382.92	3,373.16	5,009.76
3+540.00	6.59	86.36	0.06	1.57	8,469.28	3,374.73	5,094.55
3+548.57	2.67	39.77	0.90	4.11	8,509.04	3,378.84	5,130.20
3+560.00	0.85	20.18	2.25	17.87	8,529.23	3,396.72	5,132.51
3+580.00	0.80	16.62	0.98	32.07	8,545.85	3,428.79	5,117.06



3+600.00	2.36	31.71	0.23	12.01	8,577.56	3,440.80	5,136.76
3+601.73	2.37	4.09	0.22	0.39	8,581.65	3,441.19	5,140.46
3+620.00	1.31	33.63	0.51	6.74	8,615.28	3,447.93	5,167.34
3+640.00	0.01	13.27	2.98	34.93	8,628.55	3,482.86	5,145.69
3+640.15	0.01	0.00	3.00	0.45	8,628.55	3,483.31	5,145.24
3+653.41	0.01	0.15	3.00	40.90	8,628.70	3,524.21	5,104.49
3+660.00	0.09	0.31	2.21	17.55	8,629.02	3,541.76	5,087.26
3+675.91	1.93	15.60	0.40	21.36	8,644.62	3,563.12	5,081.50
3+680.00	2.59	9.04	0.35	1.60	8,653.66	3,564.72	5,088.94
3+685.16	3.73	15.98	0.29	1.71	8,669.64	3,566.43	5,103.21
3+700.00	6.08	73.46	0.02	2.25	8,743.10	3,568.68	5,174.42
3+705.85	6.31	36.20	0.00	0.08	8,779.30	3,568.76	5,210.54
3+720.00	2.56	65.23	0.30	1.51	8,844.53	3,570.27	5,274.26
3+721.89	1.89	4.35	0.35	0.45	8,848.89	3,570.72	5,278.16
3+737.94	0.02	15.99	2.30	22.20	8,864.88	3,592.93	5,271.95
3+740.00	0.03	0.05	2.11	4.36	8,864.93	3,597.29	5,267.65
3+758.48	0.67	6.44	0.55	24.54	8,871.37	3,621.83	5,249.55
3+760.00	0.75	1.14	0.44	0.69	8,872.52	3,622.52	5,250.00
3+780.00	2.50	32.77	0.07	5.00	8,905.28	3,627.52	5,277.76
3+784.52	2.68	11.79	0.09	0.35	8,917.08	3,627.87	5,289.21
3+800.00	1.67	33.90	0.19	2.09	8,950.97	3,629.96	5,321.02
3+820.00	0.19	18.84	0.69	8.57	8,969.81	3,638.53	5,331.29
3+833.80	0.26	3.22	0.51	8.03	8,973.03	3,646.55	5,326.48
3+840.00	0.50	2.39	0.24	2.25	8,975.42	3,648.81	5,326.61
3+860.00	1.11	16.15	0.07	3.09	8,991.57	3,651.90	5,339.67
3+865.21	1.21	6.05	0.05	0.32	8,997.62	3,652.22	5,345.40
3+880.00	1.52	20.19	0.02	0.57	9,017.81	3,652.79	5,365.02
3+895.46	1.84	25.99	0.02	0.32	9,043.80	3,653.11	5,390.69
3+900.00	1.86	8.40	0.02	0.09	9,052.20	3,653.20	5,399.00
3+917.53	0.59	21.46	0.24	2.34	9,073.66	3,655.54	5,418.12
3+920.00	0.31	1.13	0.32	0.70	9,074.79	3,656.24	5,418.55
3+940.00	0.00	3.13	1.74	20.65	9,077.92	3,676.90	5,401.03
3+947.91	0.00	0.00	1.56	13.05	9,077.92	3,689.94	5,387.98
3+960.00	0.00	0.00	1.39	17.78	9,077.92	3,707.72	5,370.20
3+960.53	0.00	0.00	1.38	0.74	9,077.92	3,708.46	5,369.46
3+980.00	0.06	0.53	0.91	22.57	9,078.46	3,731.03	5,347.42
3+986.78	0.20	0.81	0.69	5.64	9,079.27	3,736.68	5,342.59
4+000.00	1.11	8.31	0.27	6.73	9,087.58	3,743.41	5,344.17
4+008.92	0.68	7.84	0.89	5.39	9,095.42	3,748.79	5,346.62
4+017.44	0.53	5.06	0.43	5.85	9,100.48	3,754.65	5,345.83
4+020.00	0.89	1.76	0.27	0.95	9,102.24	3,755.60	5,346.64
4+026.12	1.96	8.71	0.12	1.20	9,110.95	3,756.79	5,354.16
4+031.44	2.64	12.65	0.02	0.30	9,123.60	3,757.09	5,366.51
4+036.75	2.81	14.87	0.00	0.04	9,138.47	3,757.12	5,381.35
4+040.00	2.81	9.16	0.00	0.00	9,147.63	3,757.12	5,390.51
4+048.79	2.72	24.31	0.00	0.00	9,171.95	3,757.13	5,414.82



4+052.80	2.53	10.69	0.00	0.00	9,182.64	3,757.13	5,425.51
4+060.00	2.59	17.75	0.02	0.11	9,200.39	3,757.24	5,443.15
4+063.80	3.13	10.16	0.04	0.15	9,210.55	3,757.38	5,453.17
4+070.81	2.66	18.18	0.32	1.63	9,228.74	3,759.01	5,469.72
4+080.00	2.97	25.56	0.28	2.83	9,254.29	3,761.84	5,492.45
4+090.00	2.90	29.35	0.29	2.84	9,283.65	3,764.68	5,518.96

RELATÓRIO DE CORTE E ATERRO ACESSO TAQUARAS

Estacas	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume de Aterro (m ³)	Volum.Acumu. Corte (m ³)	Volum.Acumu. Aterro (m ³)	Volume Líquido (m ³)
0+000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+010.21	1.09	5.55	0.00	0.00	5.55	0.00	5.55
0+014.88	1.68	6.15	0.00	0.00	11.70	0.00	11.70
0+018.55	2.11	8.75	0.00	0.00	20.45	0.00	20.45

RELATÓRIO DE CORTE E ATERRO SAÍDA SENTIDO LAGES

Estacas	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume de Aterro (m ³)	Volu.Acumu.Aterro (m ³)	Volu.Acumu Corte (m ³)	Volume Líquido (m ³)
0+000.00	0.31	0.00	0.00	0.00	0.00	0.00	0.00
0+008.97	0.22	2.41	0.00	0.00	2.41	0.00	2.41
0+017.95	0.00	1.00	0.11	0.52	3.42	0.52	2.90
0+020.00	0.00	0.00	0.22	0.34	3.42	0.86	2.56
0+025.50	0.01	0.01	0.01	0.63	3.43	1.48	1.95
0+033.05	0.21	0.80	0.00	0.05	4.23	1.54	2.69



Nota de serviço CORREDOR PRINCIPAL

Lado Esquerdo			Eixo						Lado Direito		
BORDO- PISTA DE ROLAGEM			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	BORDO - PISTA DE ROLAGEM		
Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)
-4.500	1,037.974	-2.50	0+0.000			1,038.087	1,038.087	0.000	4.500	1,037.974	-2.50
-4.500	1,037.646	-2.50	0+14.352	PC		1,037.759	1,037.593	0.166	4.500	1,037.646	-2.50
-4.500	1,037.558	-2.50	0+18.189			1,037.671	1,037.518	0.153	4.500	1,037.558	-2.50
-4.500	1,037.517	-2.50	1+0.000			1,037.630	1,037.480	0.150	4.500	1,037.517	-2.50
-4.500	1,037.259	-2.50	1+11.274			1,037.372	1,037.207	0.165	4.500	1,037.259	-2.50
-4.500	1,037.060	-2.50	2+0.000		PCV	1,037.172	1,036.981	0.192	4.500	1,037.060	-2.50
-4.500	1,036.829	-2.50	2+9.862		PTV	1,036.941	1,036.686	0.255	4.500	1,036.829	-2.50
-4.500	1,036.569	-2.50	3+0.000			1,036.682	1,036.309	0.372	4.500	1,036.569	-2.50
-4.093	1,036.173	-2.50	3+15.523			1,036.276	1,036.104	0.172	4.095	1,036.173	-2.50
-3.878	1,036.061	-2.50	4+0.000			1,036.158	1,036.046	0.112	3.764	1,036.064	-2.50
-3.491	1,035.761	-2.50	4+11.843	PT		1,035.848	1,035.719	0.129	3.303	1,035.766	-2.50
-3.304	1,035.552	-2.50	5+0.000			1,035.635	1,035.447	0.188	3.239	1,035.554	-2.50
-3.037	1,035.208	-2.50	5+13.397	PC		1,035.284	1,035.001	0.283	3.020	1,035.208	-2.50
-3.037	1,035.035	-2.50	6+0.000			1,035.111	1,034.782	0.329	3.020	1,035.036	-2.50
-3.037	1,034.512	-2.50	7+0.000			1,034.587	1,033.922	0.665	3.020	1,034.512	-2.50
-3.000	1,034.302	-2.50	7+8.024		PCV	1,034.377	1,033.735	0.642	3.000	1,034.302	-2.50
-3.000	1,034.050	-2.50	8+0.000		PTV	1,034.125	1,033.592	0.533	3.000	1,034.050	-2.50
-3.000	1,033.869	-2.50	9+0.000			1,033.944	1,033.416	0.528	3.000	1,033.869	-2.50
-3.000	1,033.722	-2.50	10+0.000			1,033.797	1,033.363	0.435	3.000	1,033.722	-2.50
-3.000	1,033.576	-2.50	11+0.000		PCV	1,033.651	1,033.304	0.347	3.000	1,033.576	-2.50
-3.000	1,033.430	-2.50	12+0.000			1,033.505	1,033.217	0.288	3.000	1,033.430	-2.50
-3.000	1,033.355	-2.50	12+9.047			1,033.430	1,033.327	0.103	3.000	1,033.355	-2.50



-3.000	1,033.243	-2.50	13+0.000			1,033.318	1,033.437	-0.119	3.000	1,033.243	-2.50
-3.000	1,032.979	-2.50	14+0.000		PTV	1,033.054	1,033.254	-0.199	3.000	1,032.979	-2.50
-3.000	1,032.641	-2.50	15+0.000		PCV	1,032.716	1,032.832	-0.116	3.000	1,032.641	-2.50
-3.000	1,032.283	-2.50	16+0.000			1,032.358	1,031.701	0.657	3.000	1,032.283	-2.50
-3.000	1,032.060	-2.50	17+0.000			1,032.135	1,031.619	0.516	3.000	1,032.060	-2.50
-3.000	1,032.029	-2.50	18+0.000			1,032.104	1,031.962	0.142	3.000	1,032.029	-2.50
-3.000	1,032.044	-2.50	18+3.527			1,032.119	1,032.014	0.105	3.000	1,032.044	-2.50
-3.000	1,032.190	-2.50	19+0.000		PTV	1,032.265	1,032.233	0.032	3.000	1,032.190	-2.50
-3.000	1,032.473	-2.50	20+0.000			1,032.548	1,032.611	-0.063	3.000	1,032.473	-2.50
-3.000	1,032.758	-2.50	21+0.000			1,032.833	1,033.130	-0.298	3.000	1,032.758	-2.50
-3.000	1,033.043	-2.50	22+0.000			1,033.118	1,033.741	-0.623	3.000	1,033.043	-2.50
-3.000	1,033.327	-2.50	23+0.000			1,033.402	1,033.881	-0.479	3.000	1,033.327	-2.50
-3.000	1,033.612	-2.50	24+0.000			1,033.687	1,033.747	-0.059	3.000	1,033.612	-2.50
-3.000	1,033.897	-2.50	25+0.000			1,033.972	1,033.773	0.200	3.000	1,033.897	-2.50
-3.000	1,033.974	-2.50	25+5.426			1,034.049	1,033.729	0.320	3.000	1,033.974	-2.50
-3.000	1,034.182	-2.50	26+0.000		PCV	1,034.257	1,033.728	0.529	3.000	1,034.182	-2.50
-3.000	1,034.398	-2.50	27+0.000			1,034.473	1,033.682	0.791	3.000	1,034.398	-2.50
-3.000	1,034.066	-2.50	28+0.000			1,034.141	1,033.574	0.567	3.000	1,034.066	-2.50
-3.000	1,033.094	-2.50	29+0.000		PTV	1,033.169	1,032.885	0.285	3.000	1,033.094	-2.50
-3.000	1,031.689	-2.50	30+0.000			1,031.764	1,031.371	0.393	3.000	1,031.689	-2.50
-3.000	1,030.272	-2.50	31+0.000			1,030.347	1,029.878	0.469	3.000	1,030.272	-2.50
-3.000	1,029.333	-2.50	31+13.252			1,029.408	1,028.936	0.472	3.000	1,029.333	-2.50
-3.000	1,028.854	-2.50	32+0.000			1,028.929	1,028.472	0.457	3.000	1,028.854	-2.50
-3.000	1,027.437	-2.50	33+0.000		PCV	1,027.512	1,027.186	0.326	3.000	1,027.437	-2.50
-3.000	1,026.926	-2.50	33+7.262	PT		1,027.001	1,026.748	0.253	3.000	1,026.926	-2.50
-3.000	1,026.104	-2.50	34+0.000			1,026.179	1,026.022	0.157	3.000	1,026.104	-2.50
-3.000	1,025.266	-2.50	34+15.124	PC		1,025.341	1,025.163	0.178	3.000	1,025.266	-2.50
-3.000	1,025.027	-2.50	35+0.000			1,025.102	1,024.886	0.216	3.000	1,025.027	-2.50
-3.000	1,024.466	-2.50	35+13.073			1,024.541	1,024.024	0.517	3.000	1,024.466	-2.50



-3.000	1,024.214	-2.50	36+0.000			1,024.289	1,023.706	0.583	3.000	1,024.214	-2.50
-3.000	1,023.663	-2.50	37+0.000			1,023.738	1,023.356	0.381	3.000	1,023.663	-2.50
-3.000	1,023.559	-2.50	37+5.375			1,023.634	1,023.304	0.330	3.000	1,023.559	-2.50
-3.000	1,023.376	-2.50	37+19.729	PT		1,023.451	1,023.305	0.146	3.000	1,023.376	-2.50
-3.000	1,023.374	-2.50	38+0.000		PTV	1,023.449	1,023.307	0.142	3.000	1,023.374	-2.50
-3.000	1,023.312	-2.50	38+19.263	PC		1,023.387	1,023.414	-0.026	3.000	1,023.312	-2.50
-3.000	1,023.311	-2.50	39+0.000			1,023.386	1,023.417	-0.030	3.000	1,023.311	-2.50
-3.000	1,023.289	-2.50	39+13.361			1,023.364	1,023.513	-0.149	3.000	1,023.289	-2.50
-3.000	1,023.279	-2.50	40+0.000			1,023.354	1,023.582	-0.229	3.000	1,023.279	-2.50
-3.000	1,023.256	-2.50	40+13.629			1,023.331	1,023.737	-0.406	3.000	1,023.256	-2.50
-3.000	1,023.246	-2.50	41+0.000			1,023.321	1,023.768	-0.447	3.000	1,023.246	-2.50
-3.000	1,023.216	-2.50	41+18.312			1,023.291	1,023.692	-0.401	3.000	1,023.216	-2.50
-3.000	1,023.213	-2.50	42+0.000			1,023.288	1,023.679	-0.391	3.000	1,023.213	-2.50
-3.000	1,023.180	-2.50	43+0.000		PCV	1,023.255	1,023.448	-0.192	3.000	1,023.180	-2.50
-3.000	1,023.165	-2.50	43+9.402			1,023.240	1,023.289	-0.048	3.000	1,023.165	-2.50
-3.000	1,023.145	-2.50	44+0.000			1,023.220	1,023.096	0.124	3.000	1,023.145	-2.50
-3.000	1,023.141	-2.50	44+1.978	PT		1,023.216	1,023.059	0.157	3.000	1,023.141	-2.50
-3.000	1,023.097	-2.50	45+0.000			1,023.172	1,022.827	0.345	3.000	1,023.097	-2.50
-3.000	1,023.035	-2.50	46+0.000			1,023.110	1,022.606	0.504	3.000	1,023.035	-2.50
-3.000	1,022.960	-2.50	47+0.000		PTV	1,023.035	1,022.385	0.650	3.000	1,022.960	-2.50
-3.000	1,022.870	-2.50	48+0.000			1,022.945	1,022.192	0.753	3.000	1,022.870	-2.50
-3.000	1,022.855	-2.50	48+3.123	PC		1,022.930	1,022.170	0.760	3.000	1,022.855	-2.50
-3.000	1,022.776	-2.50	48+19.564			1,022.851	1,022.079	0.772	3.000	1,022.776	-2.50
-3.000	1,022.774	-2.50	49+0.000			1,022.849	1,022.077	0.771	3.000	1,022.774	-2.50
-3.000	1,022.678	-2.50	50+0.000			1,022.753	1,022.074	0.678	3.000	1,022.678	-2.50
-3.000	1,022.621	-2.50	50+11.667			1,022.696	1,022.076	0.621	3.000	1,022.621	-2.50
-3.000	1,022.581	-2.50	51+0.000		PCV	1,022.656	1,022.063	0.593	3.000	1,022.581	-2.50
-3.000	1,022.380	-2.50	52+0.000			1,022.455	1,021.939	0.517	3.000	1,022.380	-2.50
-3.000	1,022.316	-2.50	52+2.631			1,022.391	1,021.885	0.506	3.000	1,022.316	-2.50



-3.000	1,021.639	-2.50	53+0.000		PTV	1,021.714	1,021.038	0.675	3.000	1,021.639	-2.50
-3.000	1,020.643	-2.50	53+16.749			1,020.718	1,020.135	0.584	3.000	1,020.643	-2.50
-3.000	1,020.444	-2.50	54+0.000			1,020.519	1,019.953	0.566	3.000	1,020.444	-2.50
-3.000	1,019.491	-2.50	54+15.562	PT		1,019.566	1,019.067	0.499	3.000	1,019.491	-2.50
-3.000	1,019.219	-2.50	55+0.000			1,019.294	1,018.814	0.480	3.000	1,019.219	-2.50
-3.000	1,017.995	-2.50	56+0.000			1,018.070	1,017.673	0.396	3.000	1,017.995	-2.50
-3.000	1,017.464	-2.50	56+8.660	PC		1,017.539	1,017.179	0.360	3.000	1,017.464	-2.50
-3.000	1,016.770	-2.50	57+0.000			1,016.845	1,016.533	0.312	3.000	1,016.770	-2.50
-3.000	1,015.545	-2.50	58+0.000			1,015.620	1,015.308	0.313	3.000	1,015.545	-2.50
-3.000	1,015.305	-2.50	58+3.923			1,015.380	1,015.045	0.335	3.000	1,015.305	-2.50
-3.000	1,014.320	-2.50	59+0.000		PCV	1,014.395	1,013.970	0.425	3.000	1,014.320	-2.50
-3.000	1,013.114	-2.50	60+0.000			1,013.189	1,012.676	0.513	3.000	1,013.114	-2.50
-3.000	1,012.410	-2.50	60+12.250			1,012.485	1,011.937	0.548	3.000	1,012.410	-2.50
-3.000	1,011.980	-2.50	61+0.000			1,012.055	1,011.516	0.538	3.000	1,011.980	-2.50
-3.000	1,011.691	-2.50	61+5.313	PT	PTV	1,011.766	1,011.263	0.503	3.000	1,011.691	-2.50
-3.000	1,010.914	-2.50	62+0.000			1,010.989	1,010.619	0.370	3.000	1,010.914	-2.50
-3.000	1,010.867	-2.50	62+0.890	PC		1,010.942	1,010.581	0.362	3.000	1,010.867	-2.50
-3.000	1,009.884	-2.50	62+19.558			1,009.959	1,009.705	0.254	3.000	1,009.884	-2.50
-3.000	1,009.861	-2.50	63+0.000			1,009.936	1,009.683	0.253	3.000	1,009.861	-2.50
-3.000	1,008.901	-2.50	63+18.226	PT		1,008.976	1,008.741	0.235	3.000	1,008.901	-2.50
-3.000	1,008.808	-2.50	64+0.000			1,008.883	1,008.643	0.240	3.000	1,008.808	-2.50
-3.000	1,007.754	-2.50	65+0.000		PCV	1,007.829	1,007.531	0.298	3.000	1,007.754	-2.50
-3.000	1,006.700	-2.50	66+0.000			1,006.775	1,006.430	0.345	3.000	1,006.700	-2.50
-3.000	1,005.453	-2.50	67+0.000		PTV	1,005.528	1,005.206	0.322	3.000	1,005.453	-2.50
-3.000	1,003.899	-2.50	68+0.000			1,003.974	1,003.711	0.263	3.000	1,003.899	-2.50
-3.000	1,003.116	-2.50	68+9.763	PC		1,003.191	1,003.021	0.170	3.000	1,003.116	-2.50
-3.000	1,002.295	-2.50	69+0.000			1,002.370	1,002.420	-0.050	3.000	1,002.295	-2.50
-3.000	1,002.037	-2.50	69+3.220			1,002.112	1,002.200	-0.089	3.000	1,002.037	-2.50
-3.000	1,000.691	-2.50	70+0.000			1,000.766	1,000.958	-0.192	3.000	1,000.691	-2.50



-3.000	999.575	-2.50	70+13.910			999.650	999.919	-0.269	3.000	999.575	-2.50
-3.000	999.087	-2.50	71+0.000		PCV	999.162	999.426	-0.265	3.000	999.087	-2.50
-3.000	997.509	-2.50	72+0.000			997.584	997.895	-0.311	3.000	997.509	-2.50
-3.000	996.829	-2.50	72+8.899			996.904	997.065	-0.161	3.000	996.829	-2.50
-3.000	996.001	-2.50	73+0.000			996.076	995.999	0.077	3.000	996.001	-2.50
-3.000	995.515	-2.50	73+6.656	PT		995.590	995.356	0.234	3.000	995.515	-2.50
-3.000	994.713	-2.50	73+17.893	PC		994.788	994.272	0.515	3.000	994.713	-2.50
-3.000	994.565	-2.50	74+0.000			994.640	994.069	0.571	3.000	994.565	-2.50
-3.000	993.811	-2.50	74+10.918			993.886	993.067	0.819	3.000	993.811	-2.50
-3.000	993.199	-2.50	75+0.000			993.274	992.399	0.875	3.000	993.199	-2.50
-3.000	992.939	-2.50	75+3.943	PT	PTV	993.014	992.188	0.826	3.000	992.939	-2.50
-3.000	991.991	-2.50	75+18.639	PC		992.066	991.677	0.389	3.000	991.991	-2.50
-3.000	991.904	-2.50	76+0.000			991.979	991.629	0.351	3.000	991.904	-2.50
-3.000	991.298	-2.50	76+9.555		PCV	991.373	991.110	0.263	3.000	991.298	-2.50
-3.000	990.703	-2.50	77+0.000			990.778	990.535	0.243	3.000	990.703	-2.50
-3.000	990.521	-2.50	77+8.725			990.596	990.345	0.251	3.000	990.521	-2.50
-3.000	990.766	-2.50	78+0.000			990.841	990.545	0.296	3.000	990.766	-2.50
-3.000	991.030	-2.50	78+4.732		PTV	991.105	990.765	0.340	3.000	991.030	-2.50
-3.000	991.668	-2.50	78+12.487	PT		991.743	991.289	0.455	3.000	991.668	-2.50
-3.000	992.409	-2.50	79+0.000		PCV	992.484	992.000	0.484	3.000	992.409	-2.50
-3.000	993.838	-2.50	79+15.159	PC		993.913	993.435	0.478	3.000	993.838	-2.50
-3.000	994.166	-2.50	79+19.911			994.241	993.827	0.413	3.000	994.166	-2.50
-3.000	994.171	-2.50	80+0.000			994.246	993.834	0.412	3.000	994.171	-2.50
-3.000	994.675	-2.50	80+14.201			994.750	994.382	0.367	3.000	994.675	-2.50
-3.000	994.678	-2.50	81+0.000			994.753	994.309	0.444	3.000	994.678	-2.50
-3.000	993.786	-2.50	82+0.000			993.861	993.261	0.600	3.000	993.786	-2.50
-3.000	993.368	-2.50	82+4.762		PTV	993.443	992.816	0.627	3.000	993.368	-2.50
-3.000	991.758	-2.50	83+0.000			991.833	991.198	0.635	3.000	991.758	-2.50
-3.000	989.625	-2.50	84+0.000			989.700	989.142	0.558	3.000	989.625	-2.50



-3.000	989.526	-2.50	84+0.923			989.601	989.049	0.552	3.000	989.526	-2.50
-3.000	987.491	-2.50	85+0.000			987.566	987.155	0.411	3.000	987.491	-2.50
-3.000	987.313	-2.50	85+1.675			987.388	986.981	0.407	3.000	987.313	-2.50
-3.000	985.358	-2.50	86+0.000			985.433	985.155	0.278	3.000	985.358	-2.50
-3.000	984.747	-2.50	86+5.723			984.822	984.570	0.253	3.000	984.747	-2.50
-3.000	983.224	-2.50	87+0.000		PCV	983.299	983.083	0.216	3.000	983.224	-2.50
-3.000	982.019	-2.50	87+13.689			982.094	981.668	0.426	3.000	982.019	-2.50
-3.000	981.641	-2.50	88+0.000			981.716	981.089	0.627	3.000	981.641	-2.50
-3.000	981.256	-2.50	88+10.705			981.331	980.525	0.806	3.000	981.256	-2.50
-3.000	981.179	-2.50	88+18.187	PT		981.254	980.554	0.700	3.000	981.179	-2.50
-3.000	981.184	-2.50	89+0.000		PTV	981.259	980.614	0.645	3.000	981.184	-2.50
-3.000	981.453	-2.50	90+0.000			981.528	981.281	0.246	3.000	981.453	-2.50
-3.000	981.550	-2.50	90+6.919	PC	PCV	981.625	981.512	0.113	3.000	981.550	-2.50
-3.000	981.732	-2.50	91+0.000			981.807	981.647	0.160	3.000	981.732	-2.50
-3.000	981.731	-2.50	91+3.481			981.806	981.604	0.202	3.000	981.731	-2.50
-3.000	980.840	-2.50	92+0.000		PTV	980.915	980.962	-0.046	3.000	980.840	-2.50
-3.000	978.262	-2.50	92+19.485			978.337	978.310	0.027	3.000	978.262	-2.50
-3.000	978.189	-2.50	93+0.000			978.264	978.225	0.040	3.000	978.189	-2.50
-3.000	975.518	-2.50	93+18.927	PT		975.593	975.464	0.129	3.000	975.518	-2.50
-3.000	975.366	-2.50	94+0.000			975.441	975.337	0.104	3.000	975.366	-2.50
-3.000	973.158	-2.50	94+15.648	PC		973.233	973.407	-0.174	3.000	973.158	-2.50
-3.000	972.544	-2.50	95+0.000			972.619	972.815	-0.196	3.000	972.544	-2.50
-3.000	970.820	-2.50	95+12.214			970.895	970.997	-0.102	3.000	970.820	-2.50
-3.000	969.721	-2.50	96+0.000		PCV	969.796	969.810	-0.014	3.000	969.721	-2.50
-3.000	966.943	-2.50	96+19.686			967.018	966.368	0.650	3.000	966.943	-2.50
-3.000	966.899	-2.50	97+0.000			966.974	966.345	0.628	3.000	966.899	-2.50
-3.000	964.602	-2.50	97+18.952			964.677	964.394	0.283	3.000	964.602	-2.50
-3.000	964.495	-2.50	98+0.000		PTV	964.570	964.315	0.255	3.000	964.495	-2.50
-3.000	962.632	-2.50	99+0.000			962.707	963.077	-0.370	3.000	962.632	-2.50



-3.000	961.460	-2.50	99+12.708			961.535	962.219	-0.683	3.000	961.460	-2.50
-3.000	960.788	-2.50	100+0.000			960.863	961.685	-0.822	3.000	960.788	-2.50
-3.000	958.945	-2.50	101+0.000			959.020	960.062	-1.042	3.000	958.945	-2.50
-3.000	958.224	-2.50	101+7.819			958.299	959.224	-0.925	3.000	958.224	-2.50
-3.000	957.101	-2.50	102+0.000		PCV	957.176	957.589	-0.413	3.000	957.101	-2.50
-3.000	955.630	-2.50	102+16.172			955.705	955.453	0.252	3.000	955.630	-2.50
-3.000	955.365	-2.50	103+0.000			955.440	955.138	0.302	3.000	955.365	-2.50
-3.000	954.994	-2.50	103+14.812	PT		955.069	954.684	0.386	3.000	954.994	-2.50
-3.000	955.111	-2.50	104+0.000		PCV	955.186	954.787	0.399	3.000	955.111	-2.50
-3.000	956.308	-2.50	105+0.000			956.383	956.003	0.380	3.000	956.308	-2.50
-3.000	956.442	-2.50	105+2.661	PC		956.517	956.166	0.351	3.000	956.442	-2.50
-3.000	956.827	-2.50	106+0.000			956.902	956.704	0.198	3.000	956.827	-2.50
-3.000	956.769	-2.50	106+5.810			956.844	956.638	0.205	3.000	956.769	-2.50
-3.000	956.231	-2.50	107+0.000		PTV	956.306	955.965	0.341	3.000	956.231	-2.50
-3.000	954.685	-2.50	108+0.000			954.760	954.179	0.581	3.000	954.685	-2.50
-3.000	954.294	-2.50	108+4.701			954.369	953.836	0.534	3.000	954.294	-2.50
-3.000	953.023	-2.50	109+0.000			953.098	953.117	-0.018	3.000	953.023	-2.50
-3.000	951.694	-2.50	109+16.002			951.769	952.525	-0.756	3.000	951.694	-2.50
-3.000	951.362	-2.50	110+0.000			951.437	952.254	-0.817	3.000	951.362	-2.50
-3.000	949.974	-2.50	110+16.701			950.049	950.470	-0.421	3.000	949.974	-2.50
-3.000	949.700	-2.50	111+0.000			949.775	950.046	-0.271	3.000	949.700	-2.50
-3.000	949.206	-2.50	111+5.949			949.281	949.222	0.059	3.000	949.206	-2.50
-3.000	948.038	-2.50	112+0.000			948.113	947.335	0.778	3.000	948.038	-2.50
-3.000	947.383	-2.50	112+7.893			947.458	946.581	0.877	3.000	947.383	-2.50
-3.000	946.377	-2.50	113+0.000			946.452	945.533	0.919	3.000	946.377	-2.50
-3.000	944.715	-2.50	114+0.000			944.790	943.949	0.841	3.000	944.715	-2.50
-3.000	944.411	-2.50	114+3.661			944.486	943.657	0.829	3.000	944.411	-2.50
-3.000	943.053	-2.50	115+0.000			943.128	942.383	0.746	3.000	943.053	-2.50
-3.000	942.921	-2.50	115+1.594	PT		942.996	942.263	0.733	3.000	942.921	-2.50



-3.000	941.746	-2.50	115+15.731	PC		941.821	941.232	0.589	3.000	941.746	-2.50
-3.000	941.392	-2.50	116+0.000			941.467	940.902	0.564	3.000	941.392	-2.50
-3.000	940.818	-2.50	116+6.902		PCV	940.893	940.353	0.540	3.000	940.818	-2.50
-3.000	939.713	-2.50	117+0.000			939.788	939.366	0.422	3.000	939.713	-2.50
-3.000	939.362	-2.50	117+4.066			939.437	939.121	0.316	3.000	939.362	-2.50
-3.000	938.040	-2.50	117+18.988			938.115	937.912	0.203	3.000	938.040	-2.50
-3.000	937.948	-2.50	118+0.000			938.023	937.812	0.212	3.000	937.948	-2.50
-3.000	936.777	-2.50	118+12.716		PTV	936.852	936.447	0.406	3.000	936.777	-2.50
-3.000	936.090	-2.50	119+0.000			936.165	935.646	0.519	3.000	936.090	-2.50
-3.000	935.560	-2.50	119+5.589			935.635	935.070	0.565	3.000	935.560	-2.50
-3.000	934.794	-2.50	119+13.663	PT		934.869	934.317	0.552	3.000	934.794	-2.50
-3.000	934.193	-2.50	120+0.000			934.268	933.778	0.490	3.000	934.193	-2.50
-3.000	933.430	-2.50	120+8.042	PC		933.505	933.094	0.411	3.000	933.430	-2.50
-3.000	932.296	-2.50	121+0.000			932.371	931.938	0.433	3.000	932.296	-2.50
-3.000	932.156	-2.50	121+1.477			932.231	931.787	0.443	3.000	932.156	-2.50
-3.000	930.881	-2.50	121+14.913	PT		930.956	930.599	0.357	3.000	930.881	-2.50
-3.000	930.399	-2.50	122+0.000			930.474	930.175	0.298	3.000	930.399	-2.50
-3.000	929.851	-2.50	122+5.778	PC	PCV	929.926	929.696	0.230	3.000	929.851	-2.50
-3.000	928.706	-2.50	123+0.000			928.781	928.470	0.312	3.000	928.706	-2.50
-3.000	928.510	-2.50	123+5.446		PTV	928.585	928.214	0.371	3.000	928.510	-2.50
-3.000	928.486	-2.50	124+0.000			928.561	928.068	0.492	3.000	928.486	-2.50
-3.000	928.499	-2.50	124+5.114	PT	PCV	928.574	928.062	0.512	3.000	928.499	-2.50
-3.000	928.317	-2.50	125+0.000			928.392	928.029	0.363	3.000	928.317	-2.50
-3.000	928.205	-2.50	125+2.991	PC		928.280	928.023	0.257	3.000	928.205	-2.50
-3.000	927.388	-2.50	125+16.318			927.463	927.128	0.335	3.000	927.388	-2.50
-3.000	927.072	-2.50	126+0.000		PTV	927.147	926.803	0.344	3.000	927.072	-2.50
-3.000	925.273	-2.50	126+16.153			925.348	925.213	0.135	3.000	925.273	-2.50
-3.000	924.810	-2.50	127+0.000			924.885	924.829	0.056	3.000	924.810	-2.50
-3.000	922.403	-2.50	128+0.000			922.478	922.469	0.009	3.000	922.403	-2.50



-3.000	920.336	-2.50	128+17.167			920.411	920.399	0.013	3.000	920.336	-2.50
-3.000	919.995	-2.50	129+0.000			920.070	920.071	0.000	3.000	919.995	-2.50
-3.000	917.588	-2.50	130+0.000			917.663	917.884	-0.221	3.000	917.588	-2.50
-3.000	915.181	-2.50	131+0.000			915.256	915.648	-0.393	3.000	915.181	-2.50
-3.000	914.530	-2.50	131+5.407			914.605	915.181	-0.576	3.000	914.530	-2.50
-3.000	912.773	-2.50	132+0.000			912.848	913.789	-0.941	3.000	912.773	-2.50
-3.000	912.403	-2.50	132+3.076			912.478	913.436	-0.958	3.000	912.403	-2.50
-3.000	911.213	-2.50	132+12.965			911.288	912.092	-0.805	3.000	911.213	-2.50
-3.000	910.366	-2.50	133+0.000			910.441	911.100	-0.659	3.000	910.366	-2.50
-3.000	909.986	-2.50	133+3.154			910.061	910.691	-0.630	3.000	909.986	-2.50
-3.000	909.477	-2.50	133+7.388	PT		909.552	910.212	-0.660	3.000	909.477	-2.50
-3.000	907.959	-2.50	134+0.000			908.034	908.961	-0.928	3.000	907.959	-2.50
-3.000	907.283	-2.50	134+5.610	PC		907.358	908.405	-1.047	3.000	907.283	-2.50
-3.000	906.552	-2.50	134+11.690			906.627	907.773	-1.147	3.000	906.552	-2.50
-3.000	905.551	-2.50	135+0.000			905.626	906.739	-1.113	3.000	905.551	-2.50
-3.000	903.523	-2.50	135+16.850			903.598	904.364	-0.766	3.000	903.523	-2.50
-3.000	903.144	-2.50	136+0.000			903.219	903.911	-0.692	3.000	903.144	-2.50
-3.000	900.736	-2.50	137+0.000			900.811	901.012	-0.200	3.000	900.736	-2.50
-3.000	899.714	-2.50	137+8.491			899.789	899.768	0.021	3.000	899.714	-2.50
-3.000	898.329	-2.50	138+0.000		PCV	898.404	898.148	0.256	3.000	898.329	-2.50
-3.000	897.207	-2.50	138+9.522			897.282	896.847	0.434	3.000	897.207	-2.50
-3.000	896.116	-2.50	139+0.000			896.191	895.698	0.494	3.000	896.116	-2.50
-3.000	894.960	-2.50	139+13.435		PTV	895.035	894.762	0.273	3.000	894.960	-2.50
-3.000	894.493	-2.50	140+0.000			894.568	894.474	0.095	3.000	894.493	-2.50
-3.000	893.897	-2.50	140+8.875	PT		893.972	894.268	-0.295	3.000	893.897	-2.50
-3.000	893.383	-2.50	140+16.532	PC		893.458	894.117	-0.659	3.000	893.383	-2.50
-3.000	893.150	-2.50	141+0.000			893.225	894.030	-0.804	3.000	893.150	-2.50
-3.000	893.018	-2.50	141+1.969			893.093	893.961	-0.869	3.000	893.018	-2.50
-3.000	892.653	-2.50	141+7.405	PT		892.728	893.705	-0.978	3.000	892.653	-2.50



-3.000	891.807	-2.50	142+0.000			891.882	893.047	-1.165	3.000	891.807	-2.50
-3.000	891.539	-2.50	142+3.994	PC		891.614	892.838	-1.225	3.000	891.539	-2.50
-3.000	891.020	-2.50	142+11.712			891.095	891.992	-0.897	3.000	891.020	-2.50
-3.000	890.464	-2.50	143+0.000		PCV	890.539	890.555	-0.017	3.000	890.464	-2.50
-3.000	889.750	-2.50	143+11.621			889.825	888.977	0.848	3.000	889.750	-2.50
-3.000	889.379	-2.50	144+0.000			889.454	888.457	0.997	3.000	889.379	-2.50
-3.000	889.251	-2.50	144+3.812	PT	PTV	889.326	888.431	0.895	3.000	889.251	-2.50
-3.000	888.944	-2.50	145+0.000		PCV	889.019	888.562	0.457	3.000	888.944	-2.50
-3.000	888.567	-2.50	146+0.000			888.642	888.725	-0.083	3.000	888.567	-2.50
-3.000	888.329	-2.50	146+8.214	PC		888.404	888.791	-0.387	3.000	888.329	-2.50
-3.000	888.073	-2.50	146+15.553			888.148	888.801	-0.653	3.000	888.073	-2.50
-3.000	887.898	-2.50	147+0.000			887.973	888.776	-0.803	3.000	887.898	-2.50
-3.000	887.354	-2.50	147+11.920			887.429	888.497	-1.068	3.000	887.354	-2.50
-3.000	886.924	-2.50	148+0.000			886.999	887.823	-0.824	3.000	886.924	-2.50
-3.000	886.338	-2.50	148+9.740			886.413	886.793	-0.379	3.000	886.338	-2.50
-3.000	885.643	-2.50	149+0.000		PTV	885.718	885.458	0.261	3.000	885.643	-2.50
-3.000	885.093	-2.50	149+7.396			885.168	884.564	0.604	3.000	885.093	-2.50
-3.000	884.131	-2.50	150+0.000			884.206	883.179	1.027	3.000	884.131	-2.50
-3.000	883.182	-2.50	150+12.434			883.257	882.049	1.208	3.000	883.182	-2.50
-3.000	882.604	-2.50	151+0.000			882.679	881.570	1.109	3.000	882.604	-2.50
-3.000	881.947	-2.50	151+8.607	PT		882.022	881.200	0.822	3.000	881.947	-2.50
-3.000	881.077	-2.50	152+0.000			881.152	880.804	0.348	3.000	881.077	-2.50
-3.000	881.064	-2.50	152+0.174	PC		881.139	880.798	0.341	3.000	881.064	-2.50
-3.000	879.550	-2.50	153+0.000			879.625	879.910	-0.285	3.000	879.550	-2.50
-3.000	879.426	-2.50	153+1.628			879.501	879.810	-0.309	3.000	879.426	-2.50
-3.000	878.023	-2.50	154+0.000			878.098	878.423	-0.324	3.000	878.023	-2.50
-3.000	876.496	-2.50	155+0.000			876.571	876.692	-0.120	3.000	876.496	-2.50
-3.000	876.267	-2.50	155+3.002		PCV	876.342	876.461	-0.119	3.000	876.267	-2.50
-3.000	874.969	-2.50	156+0.000			875.044	875.325	-0.281	3.000	874.969	-2.50



-3.000	874.744	-2.50	156+2.922	PT		874.819	875.159	-0.340	3.000	874.744	-2.50
-3.000	873.529	-2.50	156+18.172	PC		873.604	874.193	-0.589	3.000	873.529	-2.50
-3.000	873.379	-2.50	157+0.000			873.454	874.079	-0.625	3.000	873.379	-2.50
-3.000	871.669	-2.50	158+0.000			871.744	872.597	-0.853	3.000	871.669	-2.50
-3.000	870.820	-2.50	158+9.454			870.895	871.759	-0.865	3.000	870.820	-2.50
-3.000	869.841	-2.50	159+0.000			869.916	870.730	-0.814	3.000	869.841	-2.50
-3.000	867.893	-2.50	160+0.000			867.968	868.482	-0.514	3.000	867.893	-2.50
-3.000	865.826	-2.50	161+0.000			865.901	866.018	-0.117	3.000	865.826	-2.50
-3.000	863.640	-2.50	162+0.000		PTV	863.715	863.541	0.175	3.000	863.640	-2.50
-3.000	861.374	-2.50	163+0.000			861.449	861.059	0.390	3.000	861.374	-2.50
-3.000	861.254	-2.50	163+1.062			861.329	860.923	0.406	3.000	861.254	-2.50
-3.000	859.106	-2.50	164+0.000			859.181	858.472	0.709	3.000	859.106	-2.50
-3.000	856.838	-2.50	165+0.000			856.913	856.137	0.776	3.000	856.838	-2.50
-3.000	854.570	-2.50	166+0.000			854.645	853.804	0.841	3.000	854.570	-2.50
-3.000	852.729	-2.50	166+16.233			852.804	851.884	0.919	3.000	852.729	-2.50
-3.000	852.302	-2.50	167+0.000			852.377	851.435	0.941	3.000	852.302	-2.50
-3.000	850.033	-2.50	168+0.000			850.108	849.598	0.510	3.000	850.033	-2.50
-3.000	849.965	-2.50	168+0.603			850.040	849.542	0.498	3.000	849.965	-2.50
-3.000	848.885	-2.50	168+10.127	PT		848.960	848.785	0.175	3.000	848.885	-2.50
-3.000	848.123	-2.50	168+16.842	PC		848.198	848.329	-0.131	3.000	848.123	-2.50
-3.000	847.765	-2.50	169+0.000		PCV	847.840	848.108	-0.268	3.000	847.765	-2.50
-3.000	845.471	-2.50	170+0.000			845.546	846.396	-0.851	3.000	845.471	-2.50
-3.000	845.451	-2.50	170+0.168		PTV	845.526	846.380	-0.854	3.000	845.451	-2.50
-3.000	843.131	-2.50	171+0.000			843.206	844.025	-0.819	3.000	843.131	-2.50
-3.000	841.500	-2.50	171+13.904			841.575	842.249	-0.673	3.000	841.500	-2.50
-3.000	840.786	-2.50	172+0.000			840.861	841.484	-0.623	3.000	840.786	-2.50
-3.000	838.440	-2.50	173+0.000		PCV	838.515	838.990	-0.475	3.000	838.440	-2.50
-3.000	837.463	-2.50	173+9.864			837.538	837.846	-0.307	3.000	837.463	-2.50
-3.000	836.988	-2.50	174+0.000		PTV	837.063	836.793	0.270	3.000	836.988	-2.50



-3.000	837.286	-2.50	175+0.000		PCV	837.361	837.178	0.183	3.000	837.286	-2.50
-3.000	837.692	-2.50	176+0.000			837.767	837.555	0.211	3.000	837.692	-2.50
-3.000	836.905	-2.50	177+0.000			836.980	837.376	-0.396	3.000	836.905	-2.50
-3.000	836.092	-2.50	177+8.572			836.167	836.030	0.138	3.000	836.092	-2.50
-3.000	834.566	-2.50	178+0.000		PTV	834.641	834.181	0.460	3.000	834.566	-2.50
-3.000	831.433	-2.50	179+0.000		PCV	831.508	831.167	0.341	3.000	831.433	-2.50
-3.000	828.362	-2.50	180+0.000			828.437	828.380	0.057	3.000	828.362	-2.50
-3.000	828.113	-2.50	180+1.731	PT		828.188	828.133	0.055	3.000	828.113	-2.50
-3.000	825.703	-2.50	181+0.000		PTV	825.778	825.556	0.222	3.000	825.703	-2.50
-3.000	823.355	-2.50	182+0.000			823.430	822.735	0.695	3.000	823.355	-2.50
-3.000	823.337	-2.50	182+0.151	PC		823.412	822.714	0.698	3.000	823.337	-2.50
-3.000	821.786	-2.50	182+13.410			821.861	821.075	0.786	3.000	821.786	-2.50
-3.000	821.015	-2.50	183+0.000		PCV	821.090	820.431	0.659	3.000	821.015	-2.50
-3.000	819.239	-2.50	183+15.913		PTV	819.314	819.130	0.184	3.000	819.239	-2.50
-3.000	818.888	-2.50	184+0.000			818.963	818.889	0.074	3.000	818.888	-2.50
-3.000	818.466	-2.50	184+5.157	PT		818.541	818.630	-0.090	3.000	818.466	-2.50
-3.000	817.249	-2.50	185+0.000			817.324	817.720	-0.396	3.000	817.249	-2.50
-3.000	816.770	-2.50	185+5.847	PC	PCV	816.845	817.362	-0.516	3.000	816.770	-2.50
-3.000	815.598	-2.50	186+0.000			815.673	815.725	-0.053	3.000	815.598	-2.50
-3.000	815.436	-2.50	186+1.892			815.511	815.419	0.092	3.000	815.436	-2.50
-3.000	814.018	-2.50	186+17.938	PT		814.093	813.482	0.611	3.000	814.018	-2.50
-3.000	813.829	-2.50	187+0.000			813.904	813.316	0.588	3.000	813.829	-2.50
-3.000	812.072	-2.50	187+18.478	PC		812.147	811.833	0.313	3.000	812.072	-2.50
-3.000	811.922	-2.50	188+0.000			811.997	811.707	0.290	3.000	811.922	-2.50
-3.000	809.875	-2.50	189+0.000			809.950	809.935	0.015	3.000	809.875	-2.50
-3.000	809.393	-2.50	189+4.524			809.468	809.488	-0.020	3.000	809.393	-2.50
-3.000	807.689	-2.50	190+0.000		PTV	807.764	807.624	0.140	3.000	807.689	-2.50
-3.000	805.385	-2.50	191+0.000			805.460	805.060	0.400	3.000	805.385	-2.50
-3.000	803.787	-2.50	191+13.802			803.862	803.492	0.370	3.000	803.787	-2.50



-3.000	803.069	-2.50	192+0.000			803.144	802.838	0.306	3.000	803.069	-2.50
-3.000	800.753	-2.50	193+0.000			800.828	800.624	0.204	3.000	800.753	-2.50
-3.000	800.150	-2.50	193+5.209			800.225	800.037	0.188	3.000	800.150	-2.50
-3.000	798.437	-2.50	194+0.000			798.512	798.371	0.141	3.000	798.437	-2.50
-3.000	796.648	-2.50	194+15.456		PCV	796.723	796.627	0.095	3.000	796.648	-2.50
-3.000	796.132	-2.50	195+0.000		PTV	796.207	796.115	0.093	3.000	796.132	-2.50
-3.000	794.358	-2.50	195+17.525	PT		794.433	794.144	0.289	3.000	794.358	-2.50
-3.000	794.126	-2.50	196+0.000			794.201	793.866	0.335	3.000	794.126	-2.50
-3.000	792.254	-2.50	197+0.000			792.329	791.772	0.558	3.000	792.254	-2.50
-3.000	791.514	-2.50	197+7.908	PC		791.589	791.052	0.538	3.000	791.514	-2.50
-3.000	790.382	-2.50	198+0.000			790.457	789.941	0.517	3.000	790.382	-2.50
-3.000	790.333	-2.50	198+0.533		PCV	790.408	789.892	0.516	3.000	790.333	-2.50
-3.000	788.518	-2.50	199+0.000			788.593	788.145	0.448	3.000	788.518	-2.50
-3.000	787.915	-2.50	199+6.780			787.990	787.590	0.400	3.000	787.915	-2.50
-3.000	786.811	-2.50	200+0.000			786.886	786.664	0.222	3.000	786.811	-2.50
-3.000	786.119	-2.50	200+8.922		PTV	786.194	785.832	0.362	3.000	786.119	-2.50
-3.000	785.498	-2.50	200+17.442	PT		785.573	785.253	0.320	3.000	785.498	-2.50
-3.000	785.316	-2.50	201+0.000			785.391	785.138	0.253	3.000	785.316	-2.50
-3.000	784.881	-2.50	201+6.124	PC		784.956	784.862	0.094	3.000	784.881	-2.50
-3.000	784.503	-2.50	201+11.438			784.578	784.587	-0.009	3.000	784.503	-2.50
-3.000	784.125	-2.50	201+16.753	PT		784.200	784.237	-0.037	3.000	784.125	-2.50
-3.000	783.894	-2.50	202+0.000			783.969	784.002	-0.033	3.000	783.894	-2.50
-3.000	783.269	-2.50	202+8.795	PC		783.344	783.367	-0.024	3.000	783.269	-2.50
-3.000	782.984	-2.50	202+12.795			783.059	783.059	0.000	3.000	782.984	-2.50
-3.000	782.472	-2.50	203+0.000		PCV	782.547	782.548	-0.002	3.000	782.472	-2.50
-3.000	782.218	-2.50	203+3.802			782.293	782.370	-0.076	3.000	782.218	-2.50
-3.000	781.863	-2.50	203+10.809	PT	PTV	781.938	781.904	0.033	3.000	781.863	-2.50
-3.000	781.599	-2.50	204+0.000			781.674	781.683	-0.009	3.000	781.599	-2.50
-3.000	781.367	-2.50	204+10.000			781.442	781.442	0.000	3.000	781.367	-2.50



Nota de serviço ACESSO TAQUARAS

Lado Esquerdo			Eixo						Lado Direito		
BORDO - PISTA DE ROLAGEM			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	BORDO - PISTA DE ROLAGEM		
Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)
-0.521	1,036.752	-2.50	0+0,000			1036,536	1,036.110	0.043	2.500	1,036.780	-2.50
-0.637	1,036.841	-2.50	0+10.210	PC		1,037.057	1,036.978	0.079	2.500	1,036.794	-2.50
-2.035	1,036.968	-2.50	0+14.875			1,037.219	1,037.171	0.048	2.500	1,036.956	-2.50
-2.500	1,037.067	-2.50	0+19.541	PCC		1,037.329	1,037.325	0.004	2.500	1,037.067	-2.50
-2.500	1,037.075	-2.50	1+0.000			1,037.337	1,037.329	0.008	2.500	1,037.075	-2.50
-2.500	1,037.107	-2.50	1+18.55		PTV	1,037.369	1,037.306	0.063	2.500	1,037.107	-2.50



Nota de serviço SAÍDA SENTIDO LAGES

Lado Esquerdo			Eixo						Lado Direito		
BORDO - PISTA DE ROLAGEM			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	BORDO - PISTA DE ROLAGEM		
Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)
-2.500	1,038.475	-2.50	0+0.000		PCV	1,038.538	1,038.538	0.000	2.500	1,038.475	-2.50
-2.500	1,038.097	-2.50	0+8.973			1,038.160	1,038.142	0.018	2.500	1,038.097	-2.50
-2.500	1,037.755	-2.50	0+17.946	PCR		1,037.818	1,037.734	0.084	2.500	1,037.755	-2.50
-2.500	1,037.682	-2.50	1+0.000			1,037.744	1,037.640	0.104	2.500	1,037.682	-2.50
-2.500	1,037.495	-2.50	1+5.499			1,037.558	1,037.492	0.065	2.500	1,037.495	-2.50
-2.500	1,037.260	-2.50	1+13.051			1,037.323	1,037.297	0.026	2.500	1,037.260	-2.50

Relatório de Seções Transversais

Cliente: MUNICÍPIO DE RANCHO QUEIMADO

Criado por: N E S ENGENHARIA

Nome do Corredor: CORREDOR PRINCIPAL

Description:

Alinhamento Base: ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Grupo de Sample Line: SEÇÕES - ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Código: Top

Estacas: Início: 0+000,00, Final: 4+090,00



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 0+000,00

Área de Corte: 3,69m²

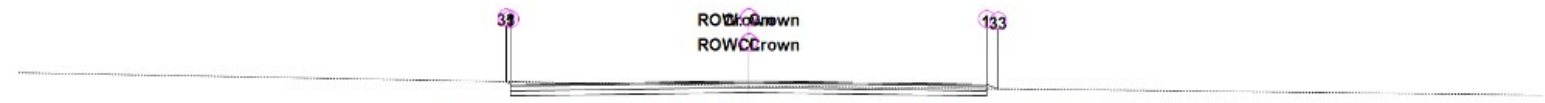
Área de Aterro: 0,00m²

Volume Acumulado: 0,00m³

Cota Projeto: 1.038,087m

PLATAFORMA	PTO	1	33
ACABADA LADO	DIST	4,500	4,761
ESQUERDO	COTA	1.037,974m	1.038,235m

PLATAFORMA	PTO	1	33
ACABADA LADO	DIST	4,500m	4,543m
DIREITO	COTA	1.037,974m	1.037,945m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 0+014,35

Área de Corte: 2,30m²

Área de Aterro: 0,01m²

Volume Acumulado: 42,85m³

Cota Projeto: 1.037,759m

PLATAFORMA	PTO	1	33
ACABADA LADO	DIST	4,500	4,589
ESQUERDO	COTA	1.037,646m	1.037,736m

PLATAFORMA	PTO	1	33
ACABADA LADO	DIST	4,500m	4,710m
DIREITO	COTA	1.037,646m	1.037,506m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 0+018,19

Área de Corte: 2,28m²
 Área de Aterro: 0,01m²
 Volume Acumulado: 51,77m³
 Cota Projeto: 1.037,671m

PLATAFORMA	PTO	1	33
ACABADA LADO ESQUERDO	DIST	4,500	4,532
	COTA	1.037,558m	1.037,590m

PLATAFORMA	PTO	1	33
ACABADA LADO DIREITO	DIST	4,500m	4,671m
	COTA	1.037,558m	1.037,445m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 0+020,00

Área de Corte: 2,31m²
 Área de Aterro: 0,01m²
 Volume Acumulado: 55,98m³
 Cota Projeto: 1.037,630m

PLATAFORMA	PTO	1	33
ACABADA LADO ESQUERDO	DIST	4,500	4,527
	COTA	1.037,517m	1.037,544m

PLATAFORMA	PTO	1	33
ACABADA LADO DIREITO	DIST	4,500m	4,655m
	COTA	1.037,517m	1.037,413m



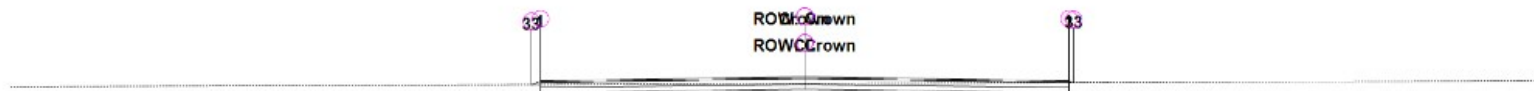
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 0+031,27

Área de Corte: 2,17m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 81,40m³
 Cota Projeto: 1.037,372m

PLATAFORMA	PTO	1	33
ACABADA LADO ESQUERDO	DIST	4,500	4,558
	COTA	1.037,259m	1.037,221m

PLATAFORMA	PTO	1	33
ACABADA LADO	DIST	4,500m	4,601m
DIREITO	COTA	1.037,259m	1.037,192m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 0+040,00

Área de Corte: 1,93m²
 Área de Aterro: 0,01m²
 Volume Acumulado: 99,18m³
 Cota Projeto: 1.037,172m

PLATAFORMA	PTO	1	33
ACABADA LADO	DIST	4,500	4,664
ESQUERDO	COTA	1.037,060m	1.036,950m

PLATAFORMA	PTO	1	33
ACABADA LADO	DIST	4,500m	4,574m
DIREITO	COTA	1.037,060m	1.037,011m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 0+049,86

Área de Corte: 1,36m²
 Área de Aterro: 0,03m²
 Volume Acumulado: 115,19m³
 Cota Projeto: 1.036,941m

PLATAFORMA	PTO	1	33
ACABADA LADO	DIST	4,500	4,715
ESQUERDO	COTA	1.036,829m	1.036,685m

PLATAFORMA	PTO	1	33
ACABADA LADO	DIST	4,500m	4,712m
DIREITO	COTA	1.036,829m	1.036,687m



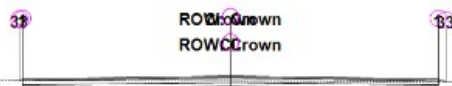
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 0+060,00

Área de Corte: 0,33m²
 Área de Aterro: 0,22m²
 Volume Acumulado: 122,63m³
 Cota Projeto: 1.036,682m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	33
	DIST	4,500	4,856
	COTA	1.036,569m	1.036,332m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	33
	DIST	4,500m	4,924m
	COTA	1.036,569m	1.036,287m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 0+075,52

Área de Corte: 1,88m²
 Área de Aterro: 0,02m²
 Volume Acumulado: 137,76m³
 Cota Projeto: 1.036,276m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	33
	DIST	4,093	4,160
	COTA	1.036,173m	1.036,129m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	33
	DIST	4,095m	4,237m
	COTA	1.036,173m	1.036,079m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 0+080,00

Área de Corte: 2,19m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 146,80m³
 Cota Projeto: 1.036,158m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	33
	DIST	3,878	3,887
	COTA	1.036,061m	1.036,071m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	33
	DIST	3,764m	3,827m
	COTA	1.036,064m	1.036,022m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 0+084,04

Área de Corte: 1,80m²
 Área de Aterro: 0,01m²
 Volume Acumulado: 170,30m³
 Cota Projeto: 1.035,848m

PLATAFORMA	PTO	1	33
ACABADA LADO ESQUERDO	DIST	3,491	3,517
	COTA	1.035,761m	1.035,786m

PLATAFORMA	PTO	1	33
ACABADA LADO DIREITO	DIST	3,303m	3,473m
	COTA	1.035,766m	1.035,652m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 0+100,00

Área de Corte: 1,33m²
 Área de Aterro: 0,02m²
 Volume Acumulado: 182,95m³
 Cota Projeto: 1.035,635m

PLATAFORMA	PTO	1	33
ACABADA LADO ESQUERDO	DIST	3,304	3,365
	COTA	1.035,552m	1.035,511m

PLATAFORMA	PTO	1	33
ACABADA LADO DIREITO	DIST	3,239m	3,498m
	COTA	1.035,554m	1.035,380m



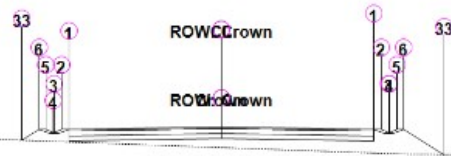
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 0+113,40

Área de Corte: 0,64m²
 Área de Aterro: 0,07m²
 Volume Acumulado: 195,51m³
 Cota Projeto: 1.035,284m

PLATAFORMA	PTO	1	33
ACABADA LADO ESQUERDO	DIST	3,037	3,255
	COTA	1.035,208m	1.035,063m

PLATAFORMA	PTO	1	33
ACABADA LADO DIREITO	DIST	3,020m	3,430m
	COTA	1.035,208m	1.034,936m



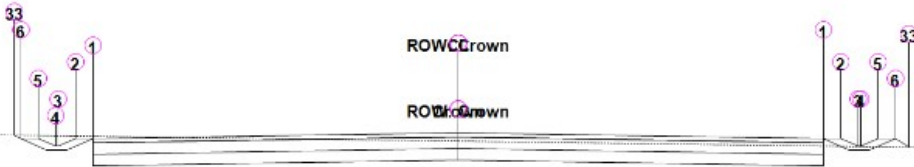
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 0+148,02

Área de Corte: 0,00m²
 Área de Aterro: 2,46m²
 Volume Acumulado: 154,31m³
 Cota Projeto: 1.034,377m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,932
	COTA	1.034,302m	1.034,302m	1.034,207m	1.034,207m	1.034,302m	1.034,302m	1.033,965m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,382m
	COTA	1.034,302m	1.034,302m	1.034,207m	1.034,207m	1.034,302m	1.034,302m	1.033,515m



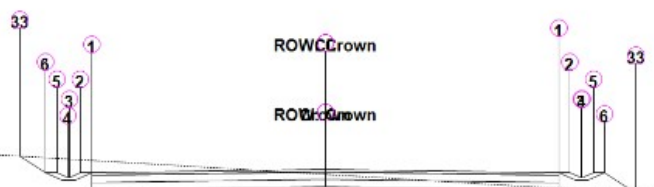
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 0+249,05

Área de Corte: 1,80m²
 Área de Aterro: 0,02m²
 Volume Acumulado: 79,87m³
 Cota Projeto: 1.033,430m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,646
	COTA	1.033,355m	1.033,355m	1.033,260m	1.033,260m	1.033,355m	1.033,355m	1.033,406m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,702m
	COTA	1.033,355m	1.033,355m	1.033,260m	1.033,260m	1.033,355m	1.033,355m	1.033,246m



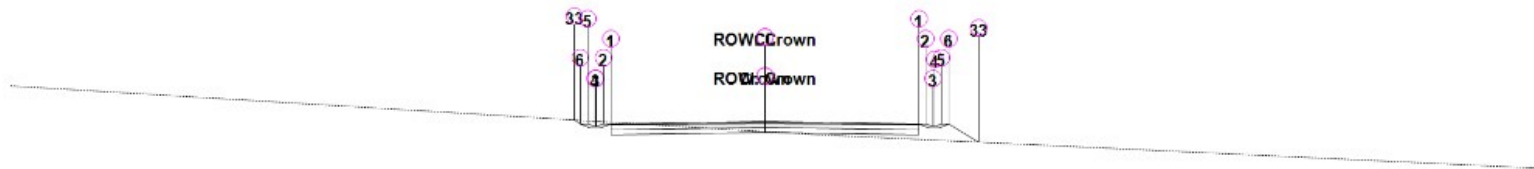
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 0+363,53

Área de Corte: 1,96m²
 Área de Aterro: 0,22m²
 Volume Acumulado: 227,50m³
 Cota Projeto: 1.032,119m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,930
	COTA	1.032,044m	1.032,044m	1.031,949m	1.031,949m	1.032,044m	1.032,044m	1.032,380m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,997m
	COTA	1.032,044m	1.032,044m	1.031,949m	1.031,949m	1.032,044m	1.032,044m	1.031,641m



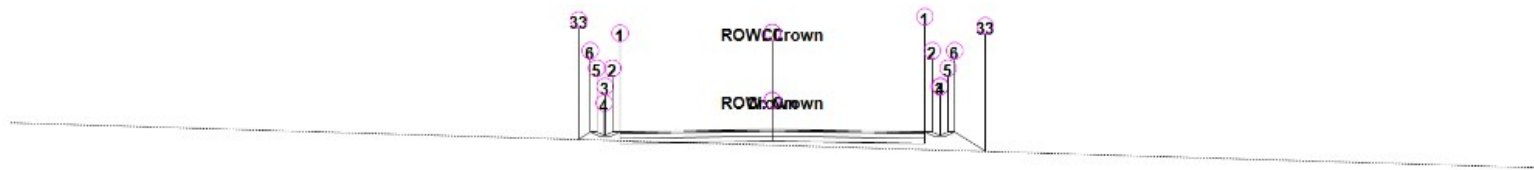
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 0+505,43

Área de Corte: 0,73m²
 Área de Aterro: 0,59m²
 Volume Acumulado: 799,64m³
 Cota Projeto: 1.034,049m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,699
	COTA	1.033,974m	1.033,974m	1.033,879m	1.033,879m	1.033,974m	1.033,974m	1.034,080m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,166m
	COTA	1.033,974m	1.033,974m	1.033,879m	1.033,879m	1.033,974m	1.033,974m	1.033,402m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

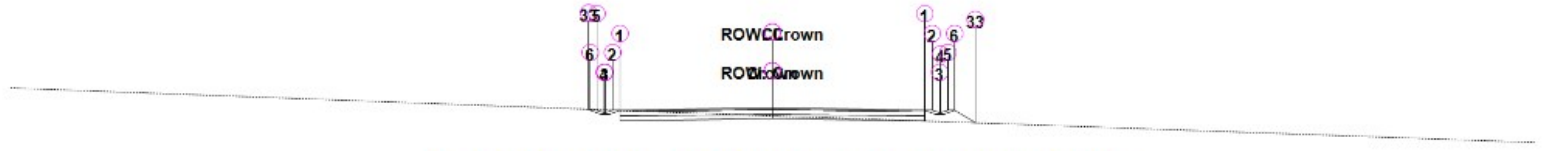
Estaca: 0+633,25

Área de Corte: 0,06m²
 Área de Aterro: 1,12m²
 Volume Acumulado: 632,26m³
 Cota Projeto: 1.029,408m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
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PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,815
	COTA	1.029,333m	1.029,333m	1.029,238m	1.029,238m	1.029,333m	1.029,333m	1.029,111m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,183m
	COTA	1.029,333m	1.029,333m	1.029,238m	1.029,238m	1.029,333m	1.029,333m	1.028,743m



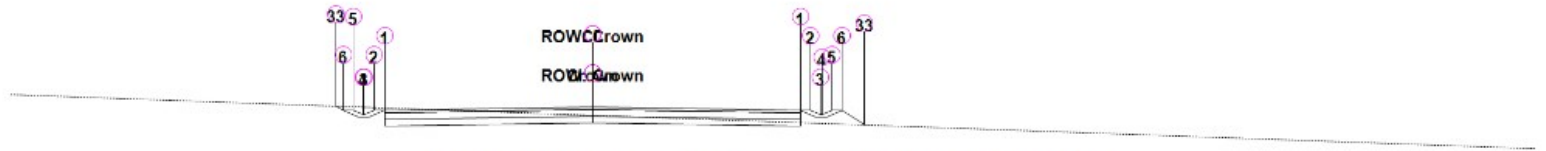
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 0+667,26

Área de Corte: 0,87m²
 Área de Aterro: 0,24m²
 Volume Acumulado: 618,81m³
 Cota Projeto: 1.027,001m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,623
	COTA	1.026,926m	1.026,926m	1.026,831m	1.026,831m	1.026,926m	1.026,926m	1.026,955m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,995m
	COTA	1.026,926m	1.026,926m	1.026,831m	1.026,831m	1.026,926m	1.026,926m	1.026,525m



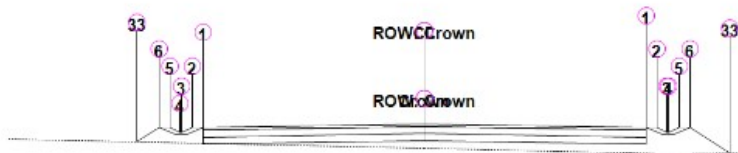
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 0+695,12

Área de Corte: 1,36m²
 Área de Aterro: 0,17m²
 Volume Acumulado: 650,80m³
 Cota Projeto: 1.025,341m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,698
	COTA	1.025,266m	1.025,266m	1.025,171m	1.025,171m	1.025,266m	1.025,266m	1.025,369m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,916m
	COTA	1.025,266m	1.025,266m	1.025,171m	1.025,171m	1.025,266m	1.025,266m	1.024,944m



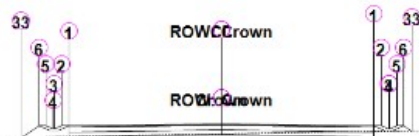
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 0+713,07

Área de Corte: 0,00m²
 Área de Aterro: 2,26m²
 Volume Acumulado: 648,72m³
 Cota Projeto: 1.024,541m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,899
	COTA	1.024,466m	1.024,466m	1.024,371m	1.024,371m	1.024,466m	1.024,466m	1.024,161m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,139m
	COTA	1.024,466m	1.024,466m	1.024,371m	1.024,371m	1.024,466m	1.024,466m	1.023,921m



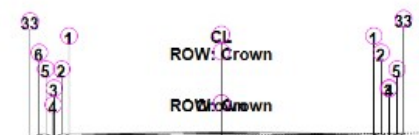
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 0+745,38

Área de Corte: 0,35m²
 Área de Aterro: 0,47m²
 Volume Acumulado: 602,68m³
 Cota Projeto: 1.023,634m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,954
	COTA	1.023,559m	1.023,559m	1.023,464m	1.023,464m	1.023,559m	1.023,559m	1.023,199m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,749m
	COTA	1.023,559m	1.023,559m	1.023,464m	1.023,464m	1.023,559m	1.023,559m	1.023,404m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

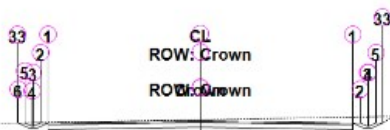
Estaca: 0+759,73

Área de Corte: 1,52m²

Área de Corte: 0,10m²
 Volume Acumulado: 612,21m³
 Cota Projeto: 1.023,451m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,765
	COTA	1.023,376m	1.023,376m	1.023,281m	1.023,281m	1.023,376m	1.023,376m	1.023,204m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	1.023,376m	1.023,376m	1.023,281m	1.023,281m	1.023,376m	1.023,376m



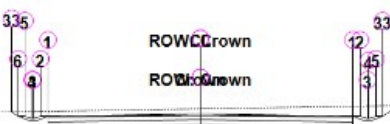
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 0+779,26

Área de Corte: 2,73m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 652,92m³
 Cota Projeto: 1.023,387m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,598
	COTA	1.023,312m	1.023,312m	1.023,217m	1.023,217m	1.023,312m	1.023,312m	1.023,316m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	1.023,312m	1.023,312m	1.023,217m	1.023,217m	1.023,312m	1.023,312m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

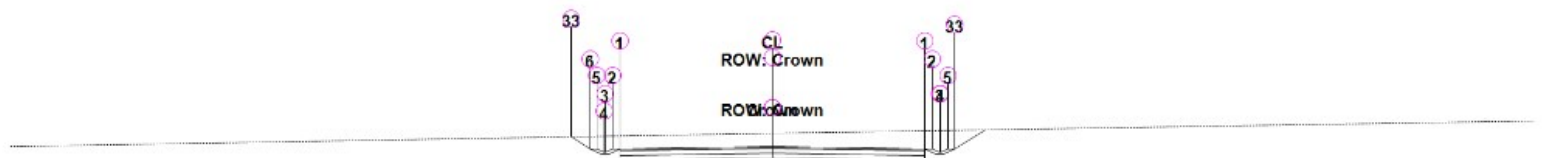
Estaca: 0+793,36

Área de Corte: 3,65m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 697,68m³
 Cota Projeto: 1.023,364m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,721
	COTA	1.023,289m	1.023,289m	1.023,194m	1.023,194m	1.023,289m	1.023,289m	1.023,416m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m

LADO DIREITO	COTA	1.023,289m	1.023,289m	1.023,194m	1.023,194m	1.023,289m	1.023,289m
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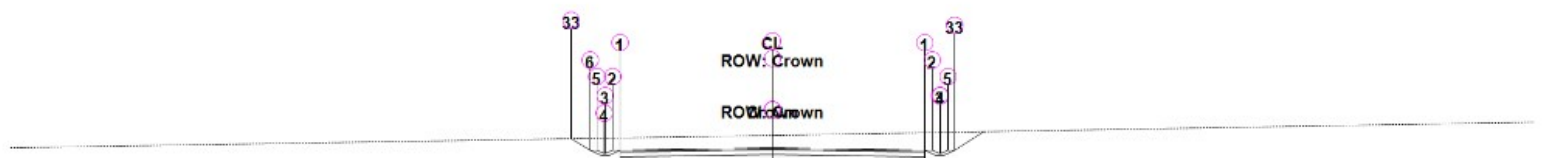
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 0+813,63

Área de Corte: 5,68m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 791,89m³
 Cota Projeto: 1.023,331m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,969
	COTA	1.023,256m	1.023,256m	1.023,161m	1.023,161m	1.023,256m	1.023,256m	1.023,631m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	1.023,256m	1.023,256m	1.023,161m	1.023,161m	1.023,256m	1.023,256m



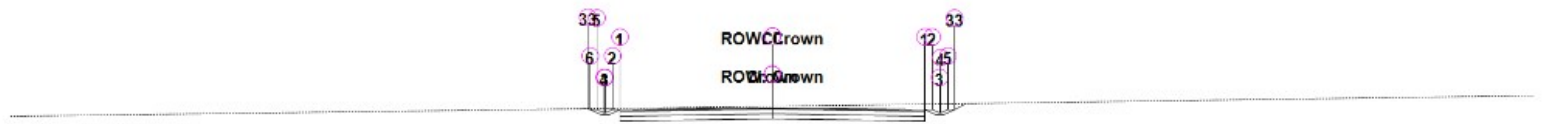
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 0+838,31

Área de Corte: 5,64m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 936,66m³
 Cota Projeto: 1.023,291m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,963
	COTA	1.023,216m	1.023,216m	1.023,121m	1.023,121m	1.023,216m	1.023,216m	1.023,585m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	1.023,216m	1.023,216m	1.023,121m	1.023,121m	1.023,216m	1.023,216m



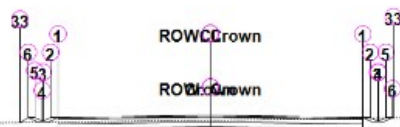
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 0+869,40

Área de Corte: 2,89m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 1.074,29m³
 Cota Projeto: 1.023,240m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,639
	COTA	1.023,165m	1.023,165m	1.023,070m	1.023,070m	1.023,165m	1.023,165m	1.023,210m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	1.023,165m	1.023,165m	1.023,070m	1.023,070m	1.023,165m	1.023,165m



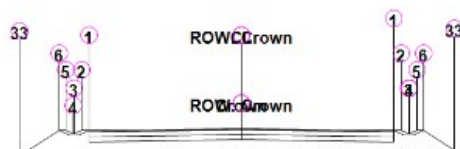
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 0+881,98

Área de Corte: 1,43m²
 Área de Aterro: 0,05m²
 Volume Acumulado: 1.101,25m³
 Cota Projeto: 1.023,216m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,752
	COTA	1.023,141m	1.023,141m	1.023,046m	1.023,046m	1.023,141m	1.023,141m	1.022,983m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,603m
	COTA	1.023,141m	1.023,141m	1.023,046m	1.023,046m	1.023,141m	1.023,141m	1.023,132m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

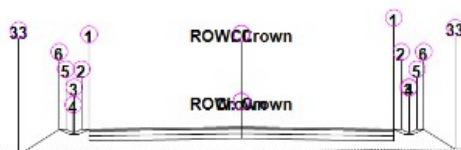
Estaca: 0+963,12

Área de Corte: 0,00m²
 Área de Aterro: 3,42m²
 Volume Acumulado: 993,19m³
 Cota Projeto: 1.022,930m

PLATAFORMA ACABADA LADO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,368

ESQUERDO	COTA	1.022,855m	1.022,855m	1.022,760m	1.022,760m	1.022,855m	1.022,855m	1.022,081m
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PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,193m
	COTA	1.022,855m	1.022,855m	1.022,760m	1.022,760m	1.022,855m	1.022,855m	1.022,256m



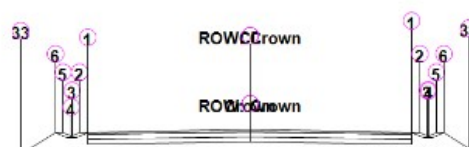
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 0+979,56

Área de Corte: 0,00m²
 Área de Aterro: 3,52m²
 Volume Acumulado: 935,94m³
 Cota Projeto: 1.022,851m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,385
	COTA	1.022,776m	1.022,776m	1.022,681m	1.022,681m	1.022,776m	1.022,776m	1.021,985m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,201m
	COTA	1.022,776m	1.022,776m	1.022,681m	1.022,681m	1.022,776m	1.022,776m	1.022,169m



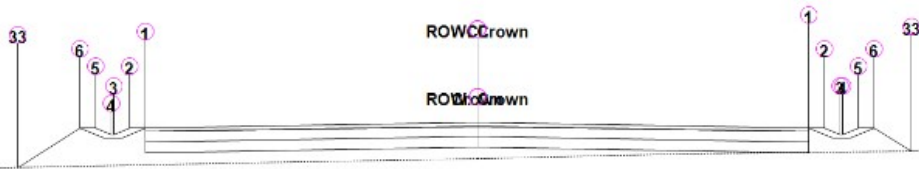
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+011,67

Área de Corte: 0,00m²
 Área de Aterro: 2,24m²
 Volume Acumulado: 842,90m³
 Cota Projeto: 1.022,696m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,231
	COTA	1.022,621m	1.022,621m	1.022,526m	1.022,526m	1.022,621m	1.022,621m	1.021,984m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,052m
	COTA	1.022,621m	1.022,621m	1.022,526m	1.022,526m	1.022,621m	1.022,621m	1.022,163m



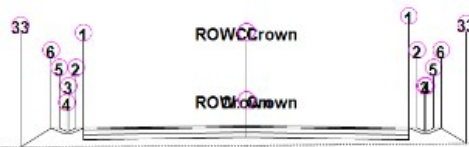
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+042,63

Área de Corte: 0,03m²
 Área de Aterro: 1,34m²
 Volume Acumulado: 787,88m³
 Cota Projeto: 1.022,391m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,156
	COTA	1.022,316m	1.022,316m	1.022,221m	1.022,221m	1.022,316m	1.022,316m	1.021,755m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,928m
	COTA	1.022,316m	1.022,316m	1.022,221m	1.022,221m	1.022,316m	1.022,316m	1.021,982m



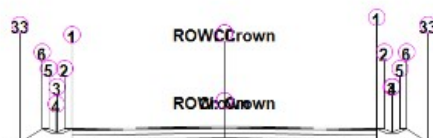
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+076,75

Área de Corte: 0,00m²
 Área de Aterro: 1,93m²
 Volume Acumulado: 714,67m³
 Cota Projeto: 1.020,718m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,158
	COTA	1.020,643m	1.020,643m	1.020,548m	1.020,548m	1.020,643m	1.020,643m	1.020,079m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,048m
	COTA	1.020,643m	1.020,643m	1.020,548m	1.020,548m	1.020,643m	1.020,643m	1.020,189m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

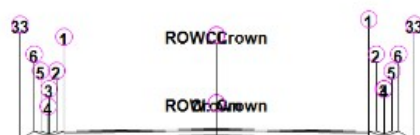
Estaca: 1+095,56

Área de Corte: 0.00m²

Área de Aterro: 1,24m²
 Volume Acumulado: 685,05m³
 Cota Projeto: 1.019,566m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,020
	COTA	1.019,491m	1.019,491m	1.019,396m	1.019,396m	1.019,491m	1.019,491m	1.019,066m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,017m
	COTA	1.019,491m	1.019,491m	1.019,396m	1.019,396m	1.019,491m	1.019,491m	1.019,069m



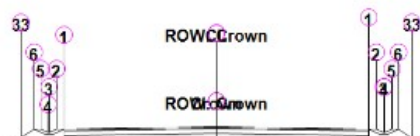
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+128,66

Área de Corte: 0,17m²
 Área de Aterro: 0,32m²
 Volume Acumulado: 662,08m³
 Cota Projeto: 1.017,539m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,858
	COTA	1.017,464m	1.017,464m	1.017,369m	1.017,369m	1.017,464m	1.017,464m	1.017,200m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,900m
	COTA	1.017,464m	1.017,464m	1.017,369m	1.017,369m	1.017,464m	1.017,464m	1.017,158m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

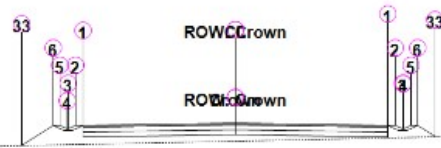
Estaca: 1+163,92

Área de Corte: 0,32m²
 Área de Aterro: 0,27m²
 Volume Acumulado: 667,45m³
 Cota Projeto: 1.015,380m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,852
	COTA	1.015,305m	1.015,305m	1.015,210m	1.015,210m	1.015,305m	1.015,305m	1.015,047m

PLATAFORMA	PTO	1	2	3	4	5	6	33
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ACABADA	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,856m
LADO DIREITO	COTA	1.015,305m	1.015,305m	1.015,210m	1.015,210m	1.015,305m	1.015,305m	1.015,043m



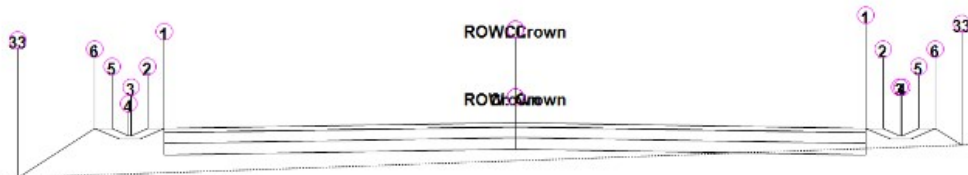
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+212,25

Área de Corte: 0,00m²
 Área de Aterro: 1,66m²
 Volume Acumulado: 623,44m³
 Cota Projeto: 1.012,485m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,214
	COTA	1.012,410m	1.012,410m	1.012,315m	1.012,315m	1.012,410m	1.012,410m	1.011,790m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,933m
	COTA	1.012,410m	1.012,410m	1.012,315m	1.012,315m	1.012,410m	1.012,410m	1.012,072m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+225,31

Área de Corte: 0,04m²
 Área de Aterro: 1,37m²
 Volume Acumulado: 602,41m³
 Cota Projeto: 1.011,766m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,252
	COTA	1.011,691m	1.011,691m	1.011,596m	1.011,596m	1.011,691m	1.011,691m	1.011,033m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,816m
	COTA	1.011,691m	1.011,691m	1.011,596m	1.011,596m	1.011,691m	1.011,691m	1.011,469m



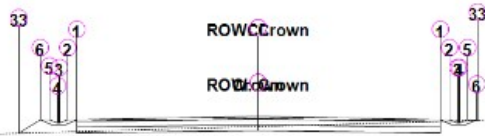
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+240,89

Área de Corte: 0,32m²
 Área de Aterro: 0,52m²
 Volume Acumulado: 590,51m³
 Cota Projeto: 1.010,942m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,095
	COTA	1.010,867m	1.010,867m	1.010,772m	1.010,772m	1.010,867m	1.010,867m	1.010,366m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,688m
	COTA	1.010,867m	1.010,867m	1.010,772m	1.010,772m	1.010,867m	1.010,867m	1.010,773m



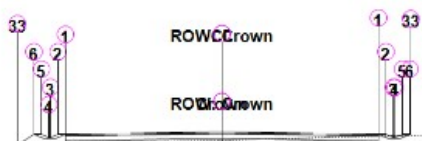
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+259,56

Área de Corte: 0,84m²
 Área de Aterro: 0,20m²
 Volume Acumulado: 594,87m³
 Cota Projeto: 1.009,959m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,948
	COTA	1.009,884m	1.009,884m	1.009,789m	1.009,789m	1.009,884m	1.009,884m	1.009,531m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,610m
	COTA	1.009,884m	1.009,884m	1.009,789m	1.009,789m	1.009,884m	1.009,884m	1.009,868m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+278,23

Área de Corte: 0,93m²
 Área de Aterro: 0,18m²
 Volume Acumulado: 608,15m³
 Cota Projeto: 1.008,976m

Cota Projeto: 1.008,970m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,918
	COTA	1.008,901m	1.008,901m	1.008,806m	1.008,806m	1.008,901m	1.008,901m	1.008,577m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,618m
	COTA	1.008,901m	1.008,901m	1.008,806m	1.008,806m	1.008,901m	1.008,901m	1.008,877m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+369,76

Área de Corte: 1,42m²
 Área de Aterro: 0,17m²
 Volume Acumulado: 638,13m³
 Cota Projeto: 1.003,191m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,920
	COTA	1.003,116m	1.003,116m	1.003,021m	1.003,021m	1.003,116m	1.003,116m	1.002,790m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	1.003,116m	1.003,116m	1.003,021m	1.003,021m	1.003,116m	1.003,116m



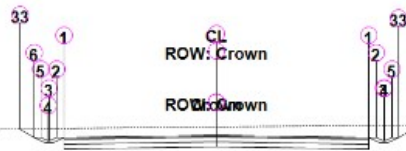
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+383,22

Área de Corte: 3,20m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 670,05m³
 Cota Projeto: 1.002,112m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,646
	COTA	1.002,037m	1.002,037m	1.001,942m	1.001,942m	1.002,037m	1.002,037m	1.002,089m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	1.002,037m	1.002,037m	1.001,942m	1.001,942m	1.002,037m	1.002,037m



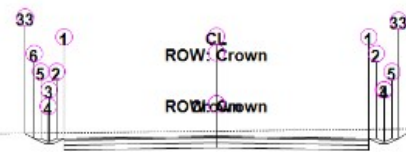
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+413,91

Área de Corte: 4,55m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 789,63m³
 Cota Projeto: 999,650m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,863
	COTA	999,575m	999,575m	999,480m	999,480m	999,575m	999,575m	999,845m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	999,575m	999,575m	999,480m	999,480m	999,575m	999,575m



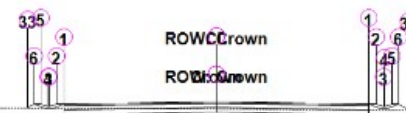
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+448,90

Área de Corte: 3,74m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 950,52m³
 Cota Projeto: 996,904m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,761
	COTA	996,829m	996,829m	996,734m	996,734m	996,829m	996,829m	996,996m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	996,829m	996,829m	996,734m	996,734m	996,829m	996,829m



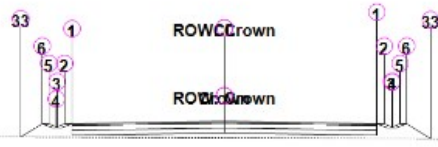
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+466,66

Área de Corte: 0,92m²
 Área de Aterro: 0,11m²
 Volume Acumulado: 991,49m³
 Cota Projeto: 995,590m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,720
	COTA	995,515m	995,515m	995,420m	995,420m	995,515m	995,515m	995,390m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,787m
	COTA	995,515m	995,515m	995,420m	995,420m	995,515m	995,515m	995,322m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+477,89

Área de Corte: 0,00m²
 Área de Aterro: 1,38m²
 Volume Acumulado: 988,34m³
 Cota Projeto: 994,788m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,008
	COTA	994,713m	994,713m	994,618m	994,618m	994,713m	994,713m	994,298m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,060m
	COTA	994,713m	994,713m	994,618m	994,618m	994,713m	994,713m	994,246m



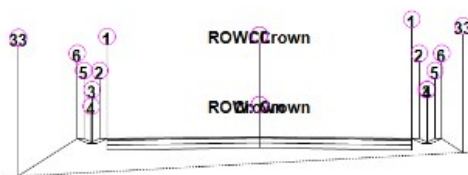
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+490,92

Área de Corte: 0,00m²
 Área de Aterro: 3,96m²
 Volume Acumulado: 952,73m³
 Cota Projeto: 993,886m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,555
	COTA	993,811m	993,811m	993,716m	993,716m	993,811m	993,811m	992,850m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,141m
	COTA	993,811m	993,811m	993,716m	993,716m	993,811m	993,811m	993,264m



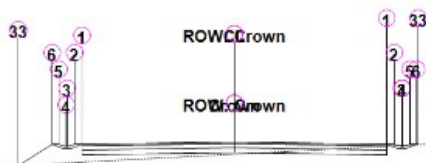
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+503,94

Área de Corte: 0,00m²
 Área de Aterro: 4,11m²
 Volume Acumulado: 895,23m³
 Cota Projeto: 993,014m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,740
	COTA	992,939m	992,939m	992,844m	992,844m	992,939m	992,939m	991,792m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,011m
	COTA	992,939m	992,939m	992,844m	992,844m	992,939m	992,939m	992,522m



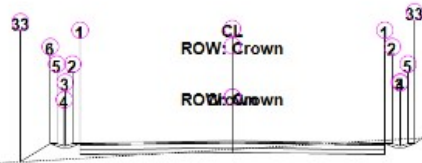
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+518,64

Área de Corte: 0,58m²
 Área de Aterro: 0,87m²
 Volume Acumulado: 863,13m³
 Cota Projeto: 992,066m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,254
	COTA	991,991m	991,991m	991,896m	991,896m	991,991m	991,991m	991,331m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,614m
	COTA	991,991m	991,991m	991,896m	991,896m	991,991m	991,991m	991,971m



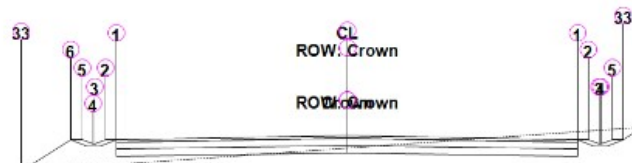
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+529,56

Área de Corte: 1,41m²
 Área de Aterro: 0,49m²
 Volume Acumulado: 867,22m³
 Cota Projeto: 991,373m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,169
	COTA	991,298m	991,298m	991,203m	991,203m	991,298m	991,298m	990,723m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	991,298m	991,298m	991,203m	991,203m	991,298m	991,298m



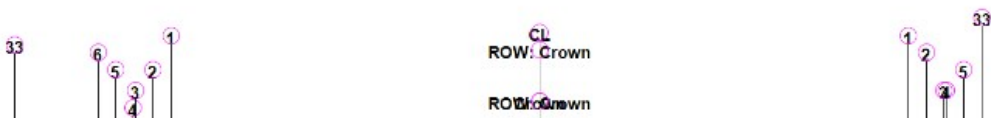
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+548,72

Área de Corte: 1,20m²
 Área de Aterro: 0,60m²
 Volume Acumulado: 878,57m³
 Cota Projeto: 990,596m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,239
	COTA	990,521m	990,521m	990,426m	990,426m	990,521m	990,521m	989,876m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	990,521m	990,521m	990,426m	990,426m	990,521m	990,521m



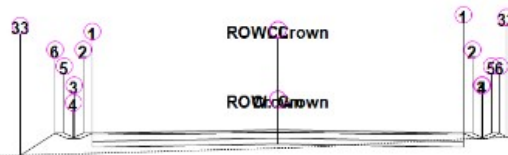
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+564,73

Área de Corte: 0,71m²
 Área de Aterro: 0,80m²
 Volume Acumulado: 881,33m³
 Cota Projeto: 991,105m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,272
	COTA	991,030m	991,030m	990,935m	990,935m	991,030m	991,030m	990,352m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	991,030m	991,030m	990,935m	990,935m	991,030m	991,030m



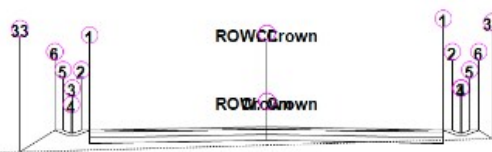
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+572,49

Área de Corte: 0,24m²
 Área de Aterro: 0,91m²
 Volume Acumulado: 877,46m³
 Cota Projeto: 991,743m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,158
	COTA	991,668m	991,668m	991,573m	991,573m	991,668m	991,668m	991,104m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,689m
	COTA	991,668m	991,668m	991,573m	991,573m	991,668m	991,668m	991,574m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

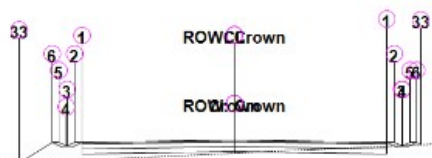
Estaca: 1+595,16

Área de Corte: 0,05m²
 Área de Aterro: 1,15m²

Volume Acumulado: 851,87m³
 Cota Projeto: 993,913m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,182
	COTA	993,838m	993,838m	993,743m	993,743m	993,838m	993,838m	993,251m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,828m
	COTA	993,838m	993,838m	993,743m	993,743m	993,838m	993,838m	993,604m



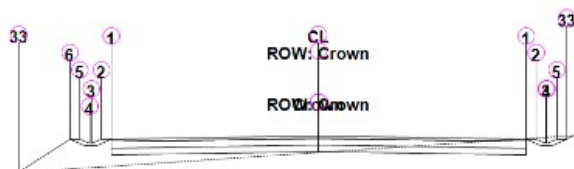
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+599,91

Área de Corte: 0,28m²
 Área de Aterro: 0,92m²
 Volume Acumulado: 848,50m³
 Cota Projeto: 994,241m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,238
	COTA	994,166m	994,166m	994,071m	994,071m	994,166m	994,166m	993,521m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,668m
	COTA	994,166m	994,166m	994,071m	994,071m	994,166m	994,166m	994,092m



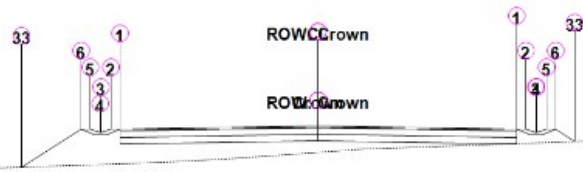
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+614,20

Área de Corte: 0,62m²
 Área de Aterro: 0,98m²
 Volume Acumulado: 844,19m³
 Cota Projeto: 994,750m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,340
	COTA	994,675m	994,675m	994,580m	994,580m	994,675m	994,675m	993,929m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	994,675m	994,675m	994,580m	994,580m	994,675m	994,675m



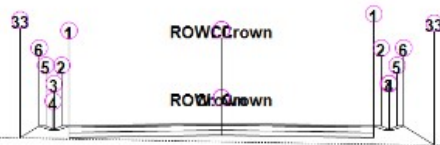
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+644,76

Área de Corte: 0,00m²
 Área de Aterro: 2,54m²
 Volume Acumulado: 799,19m³
 Cota Projeto: 993,443m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,495
	COTA	993,368m	993,368m	993,273m	993,273m	993,368m	993,368m	992,467m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,887m
	COTA	993,368m	993,368m	993,273m	993,273m	993,368m	993,368m	993,075m



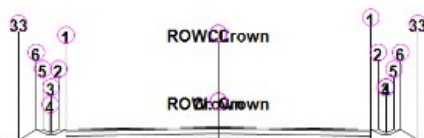
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+680,92

Área de Corte: 0,00m²
 Área de Aterro: 1,69m²
 Volume Acumulado: 720,18m³
 Cota Projeto: 989,601m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,960
	COTA	989,526m	989,526m	989,431m	989,431m	989,526m	989,526m	989,160m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,188m
	COTA	989,526m	989,526m	989,431m	989,431m	989,526m	989,526m	988,932m



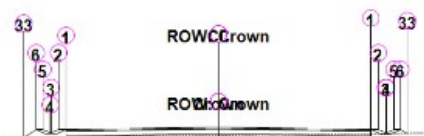
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+701,67

Área de Corte: 0,01m²
 Área de Aterro: 0,53m²
 Volume Acumulado: 698,15m³
 Cota Projeto: 987,388m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,929
	COTA	987,313m	987,313m	987,218m	987,218m	987,313m	987,313m	986,978m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,923m
	COTA	987,313m	987,313m	987,218m	987,218m	987,313m	987,313m	986,983m



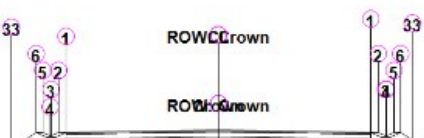
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+725,72

Área de Corte: 0,81m²
 Área de Aterro: 0,14m²
 Volume Acumulado: 701,03m³
 Cota Projeto: 984,822m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,836
	COTA	984,747m	984,747m	984,652m	984,652m	984,747m	984,747m	984,505m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,710m
	COTA	984,747m	984,747m	984,652m	984,652m	984,747m	984,747m	984,632m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

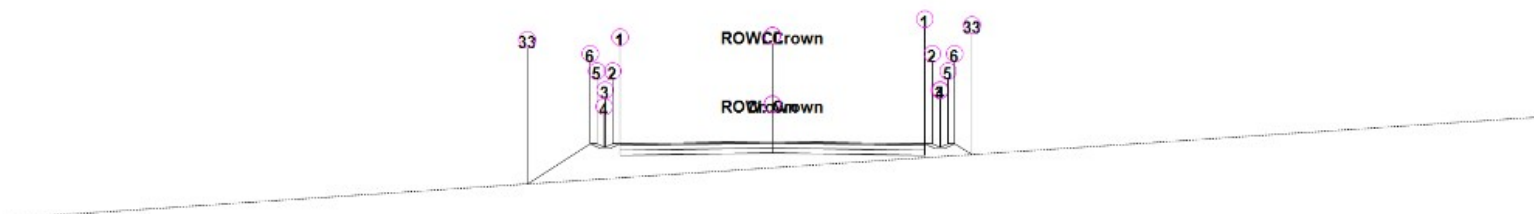
Estaca: 1+753,69

Área de Corte: 0,08m²
 Área de Aterro: 0,77m²

Volume Acumulado: 714,22m³
 Cota Projeto: 982,094m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,082
	COTA	982,019m	982,019m	981,924m	981,924m	982,019m	982,019m	981,531m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,817m
	COTA	982,019m	982,019m	981,924m	981,924m	982,019m	982,019m	981,796m



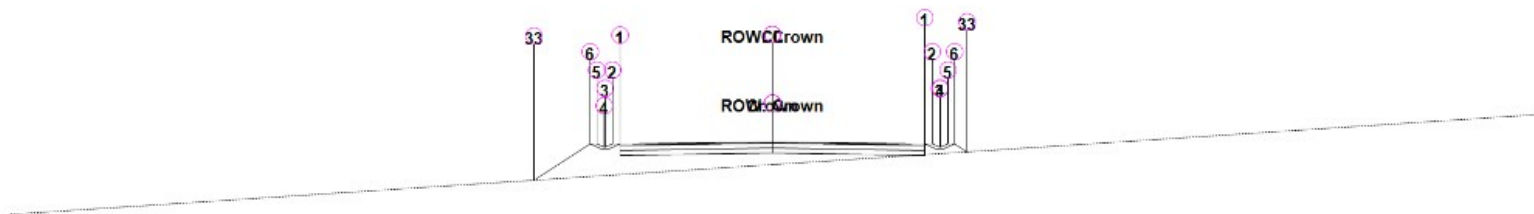
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+770,70

Área de Corte: 0,00m²
 Área de Aterro: 4,01m²
 Volume Acumulado: 666,65m³
 Cota Projeto: 981,331m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,820
	COTA	981,256m	981,256m	981,161m	981,161m	981,256m	981,256m	980,030m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,923m
	COTA	981,256m	981,256m	981,161m	981,161m	981,256m	981,256m	980,927m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

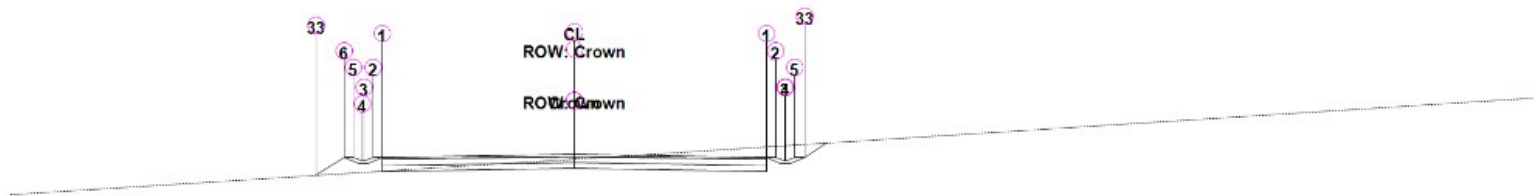
Estaca: 1+778,19

Área de Corte: 0,00m²
 Área de Aterro: 3,09m²
 Volume Acumulado: 637,65m³
 Cota Projeto: 981,254m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,692
	COTA	981,256m	981,256m	981,161m	981,161m	981,256m	981,256m	980,927m

LADO ESQUERDO	COTA	981,179m	981,179m	981,084m	981,084m	981,179m	981,179m	980,081m
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PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,833m
	COTA	981,179m	981,179m	981,084m	981,084m	981,179m	981,179m	980,940m



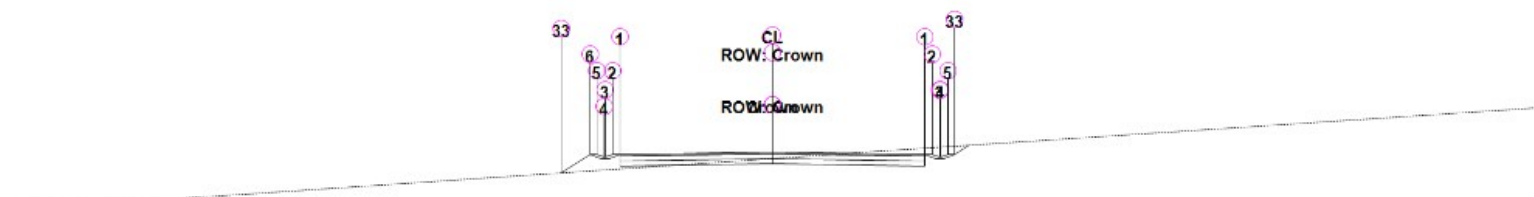
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+806,92

Área de Corte: 1,93m²
 Área de Aterro: 0,25m²
 Volume Acumulado: 620,21m³
 Cota Projeto: 981,625m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,031
	COTA	981,550m	981,550m	981,455m	981,455m	981,550m	981,550m	981,113m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	981,550m	981,550m	981,455m	981,455m	981,550m	981,550m



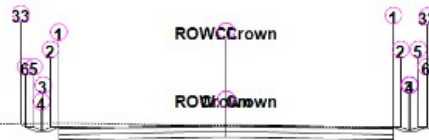
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+823,48

Área de Corte: 1,39m²
 Área de Aterro: 0,42m²
 Volume Acumulado: 645,41m³
 Cota Projeto: 981,806m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,159
	COTA	981,731m	981,731m	981,636m	981,636m	981,731m	981,731m	981,166m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	981,731m	981,731m	981,636m	981,636m	981,731m	981,731m



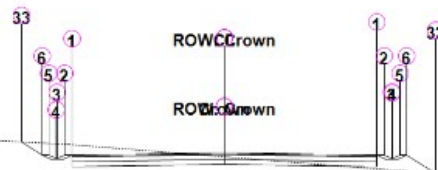
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+859,48

Área de Corte: 2,33m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 732,01m³
 Cota Projeto: 978,337m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,686
	COTA	978,262m	978,262m	978,167m	978,167m	978,262m	978,262m	978,353m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,619m
	COTA	978,262m	978,262m	978,167m	978,167m	978,262m	978,262m	978,237m



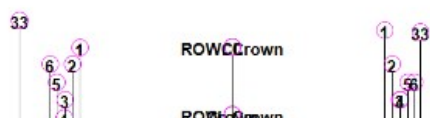
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+878,93

Área de Corte: 1,91m²
 Área de Aterro: 0,39m²
 Volume Acumulado: 766,93m³
 Cota Projeto: 975,593m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,997
	COTA	975,518m	975,518m	975,423m	975,423m	975,518m	975,518m	975,921m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,160m
	COTA	975,518m	975,518m	975,423m	975,423m	975,518m	975,518m	974,952m



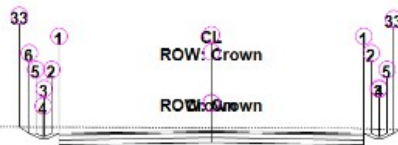
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+895,65

Área de Corte: 3,91m²
 Área de Aterro: 0,01m²
 Volume Acumulado: 812,67m³
 Cota Projeto: 973,233m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,185
	COTA	973,158m	973,158m	973,063m	973,063m	973,158m	973,158m	973,749m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,702m
	COTA	973,158m	973,158m	973,063m	973,063m	973,158m	973,158m	973,050m



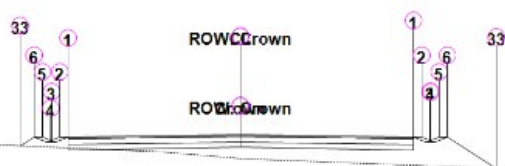
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+912,21

Área de Corte: 3,27m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 875,65m³
 Cota Projeto: 970,895m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,788
	COTA	970,820m	970,820m	970,725m	970,725m	970,820m	970,820m	971,014m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	970,820m	970,820m	970,725m	970,725m	970,820m	970,820m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

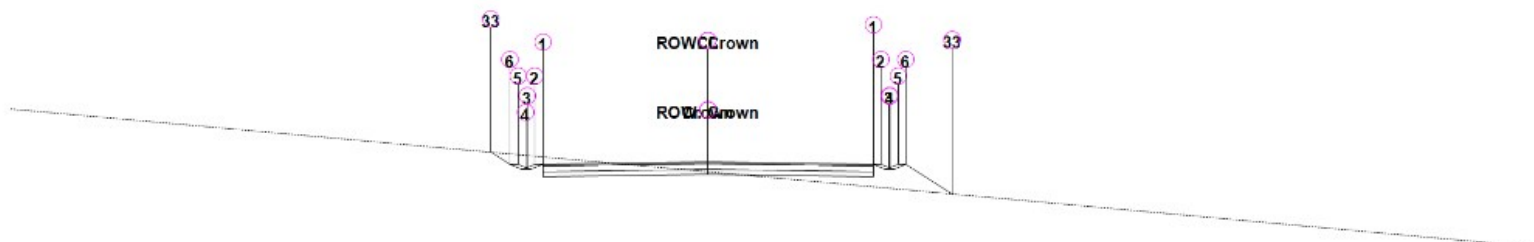
Estaca: 1+939,69

Área de Corte: 0,02m²
 Área de Aterro: 2,27m²
 Volume Acumulado: 898,99m³

Volume Acumulado: 898,80m³
 Cota Projeto: 967,018m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,833
	COTA	966,943m	966,943m	966,848m	966,848m	966,943m	966,943m	966,703m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,438m
	COTA	966,943m	966,943m	966,848m	966,848m	966,943m	966,943m	966,098m



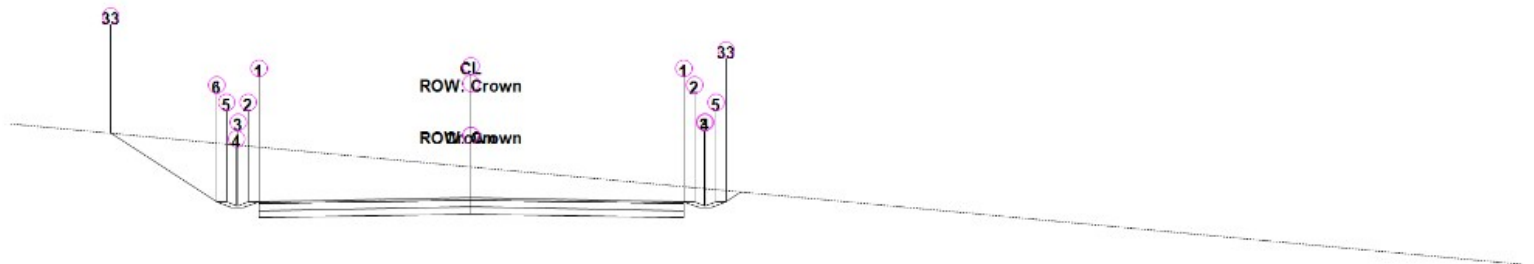
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 1+958,95

Área de Corte: 1,22m²
 Área de Aterro: 0,98m²
 Volume Acumulado: 875,78m³
 Cota Projeto: 964,677m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,941
	COTA	964,602m	964,602m	964,507m	964,507m	964,602m	964,602m	964,949m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,426m
	COTA	964,602m	964,602m	964,507m	964,507m	964,602m	964,602m	963,769m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

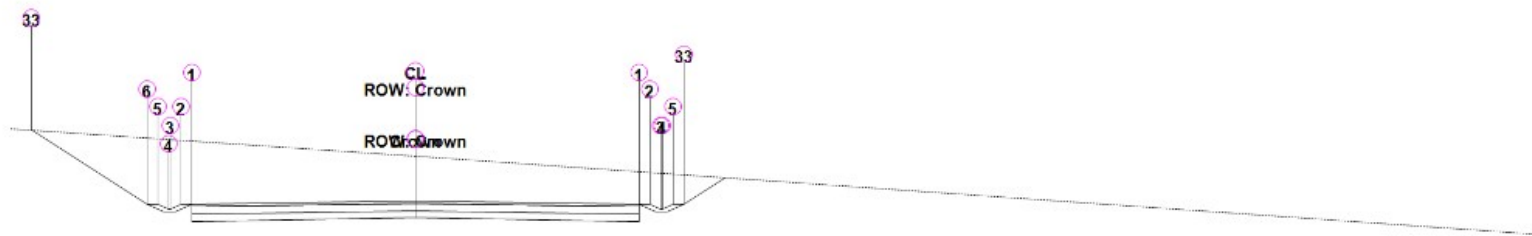
Estaca: 1+992,71

Área de Corte: 8,41m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 1.027,91m³
 Cota Projeto: 961,535m

PLATAFORMA	PTO	1	2	3	4	5	6	33
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PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	5,084
	COTA	961,460m	961,460m	961,365m	961,365m	961,460m	961,460m	962,950m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	961,460m	961,460m	961,365m	961,365m	961,460m	961,460m



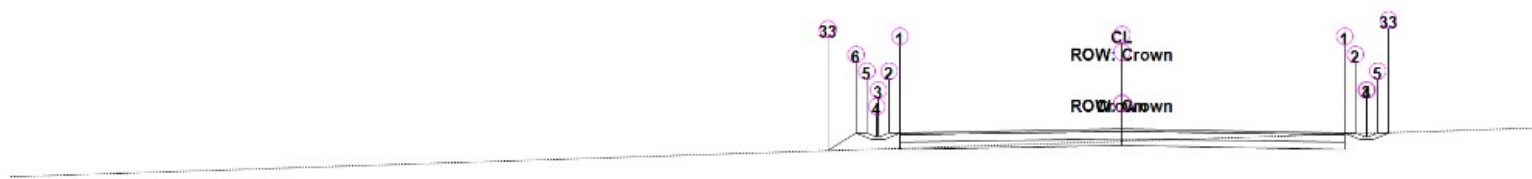
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+027,82

Área de Corte: 10,42m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 1.395,56m³
 Cota Projeto: 958,299m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	5,148
	COTA	958,224m	958,224m	958,129m	958,129m	958,224m	958,224m	959,777m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	958,224m	958,224m	958,129m	958,129m	958,224m	958,224m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

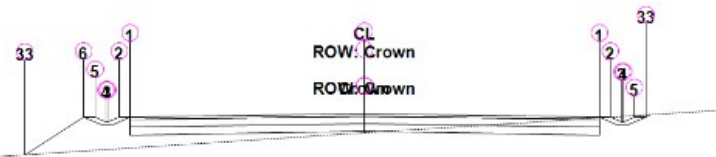
Estaca: 2+056,17

Área de Corte: 0,86m²
 Área de Aterro: 0,95m²
 Volume Acumulado: 1.544,65m³
 Cota Projeto: 955,705m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,972
	COTA	955,630m	955,630m	955,535m	955,535m	955,630m	955,630m	955,253m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m

LADO DIREITO	COTA	955,630m	955,630m	955,535m	955,535m	955,630m	955,630m
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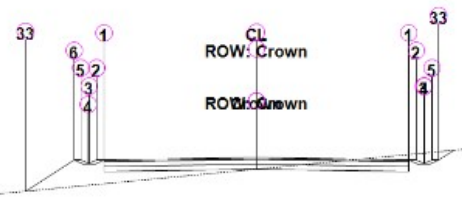
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+074,81

Área de Corte: 0,53m²
 Área de Aterro: 1,08m²
 Volume Acumulado: 1.536,08m³
 Cota Projeto: 955,069m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,344
	COTA	954,994m	954,994m	954,899m	954,899m	954,994m	954,994m	954,244m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	954,994m	954,994m	954,899m	954,899m	954,994m	954,994m



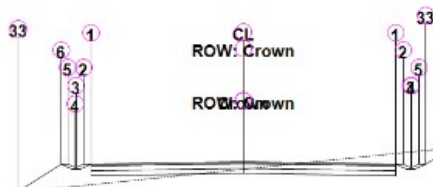
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+102,66

Área de Corte: 1,00m²
 Área de Aterro: 1,34m²
 Volume Acumulado: 1.523,67m³
 Cota Projeto: 956,517m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,545
	COTA	956,442m	956,442m	956,347m	956,347m	956,442m	956,442m	955,491m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	956,442m	956,442m	956,347m	956,347m	956,442m	956,442m



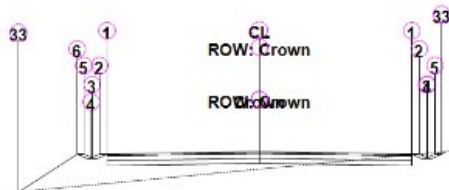
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+125,81

Área de Corte: 1,74m²
 Área de Aterro: 0,87m²
 Volume Acumulado: 1.537,40m³
 Cota Projeto: 956,844m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,428
	COTA	956,769m	956,769m	956,674m	956,674m	956,769m	956,769m	955,935m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	956,769m	956,769m	956,674m	956,674m	956,769m	956,769m



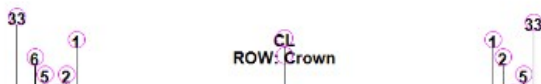
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+164,70

Área de Corte: 0,39m²
 Área de Aterro: 2,26m²
 Volume Acumulado: 1.508,97m³
 Cota Projeto: 954,369m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,744
	COTA	954,294m	954,294m	954,199m	954,199m	954,294m	954,294m	953,144m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	954,294m	954,294m	954,199m	954,199m	954,294m	954,294m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+196,00

Área de Corte: 9,09m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 1.610,90m³
 Cota Projeto: 951,769m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,855
	COTA	951,694m	951,694m	951,599m	951,599m	951,694m	951,694m	951,955m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	951,694m	951,694m	951,599m	951,599m	951,694m	951,694m



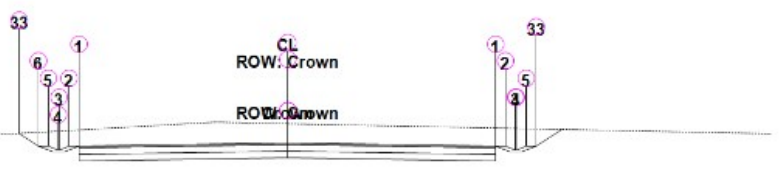
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+216,70

Área de Corte: 5,27m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 1.775,05m³
 Cota Projeto: 950,049m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,871
	COTA	949,974m	949,974m	949,879m	949,879m	949,974m	949,974m	950,251m

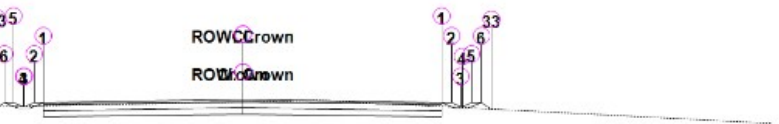
PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	949,974m	949,974m	949,879m	949,879m	949,974m	949,974m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+225,95

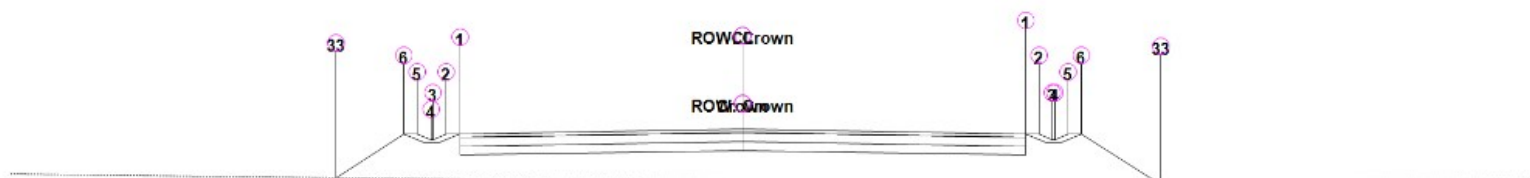
Área de Corte: 1,80m²
 Área de Aterro: 0,05m²
 Volume Acumulado: 1.807,41m³



Volume Acumulado: 1.807,41m³
 Cota Projeto: 949,281m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,690
	COTA	949,206m	949,206m	949,111m	949,111m	949,206m	949,206m	949,110m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,753m
	COTA	949,206m	949,206m	949,111m	949,111m	949,206m	949,206m	949,046m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+247,89

Área de Corte: 0,00m²
 Área de Aterro: 4,39m²
 Volume Acumulado: 1.763,04m³
 Cota Projeto: 947,458m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,315
	COTA	947,383m	947,383m	947,288m	947,288m	947,383m	947,383m	946,661m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,430m
	COTA	947,383m	947,383m	947,288m	947,288m	947,383m	947,383m	946,547m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

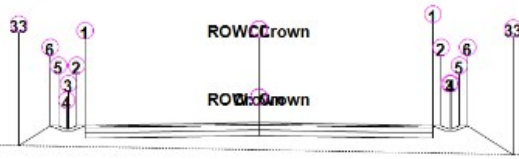
Estaca: 2+283,66

Área de Corte: 0,00m²
 Área de Aterro: 4,01m²
 Volume Acumulado: 1.604,40m³
 Cota Projeto: 944,486m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,322
	COTA	944,411m	944,411m	944,316m	944,316m	944,411m	944,411m	943,683m

PLATAFORMA	PTO	1	2	3	4	5	6	33
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PLATAFORMA ACABADA LADO DIREITO	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,375m
	COTA	944,411m	944,411m	944,316m	944,316m	944,411m	944,411m	943,630m



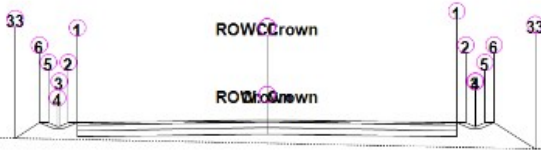
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+301,59

Área de Corte: 0,00m²
 Área de Aterro: 3,19m²
 Volume Acumulado: 1.539,30m³
 Cota Projeto: 942,996m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,136
	COTA	942,921m	942,921m	942,826m	942,826m	942,921m	942,921m	942,379m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,375m
	COTA	942,921m	942,921m	942,826m	942,826m	942,921m	942,921m	942,140m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+315,73

Área de Corte: 0,00m²
 Área de Aterro: 2,05m²
 Volume Acumulado: 1.502,20m³
 Cota Projeto: 941,821m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,979
	COTA	941,746m	941,746m	941,651m	941,651m	941,746m	941,746m	941,361m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,247m
	COTA	941,746m	941,746m	941,651m	941,651m	941,746m	941,746m	941,094m



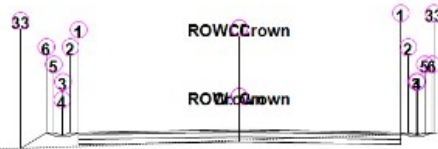
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+326,90

Área de Corte: 0,00m²
 Área de Aterro: 1,57m²
 Volume Acumulado: 1.482,72m³
 Cota Projeto: 940,893m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,080
	COTA	940,818m	940,818m	940,723m	940,723m	940,818m	940,818m	940,333m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,038m
	COTA	940,818m	940,818m	940,723m	940,723m	940,818m	940,818m	940,374m



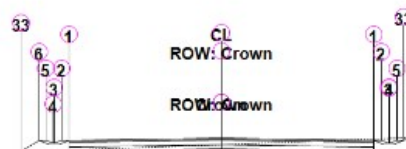
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+344,07

Área de Corte: 0,60m²
 Área de Aterro: 0,38m²
 Volume Acumulado: 1.466,30m³
 Cota Projeto: 939,437m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,075
	COTA	939,362m	939,362m	939,267m	939,267m	939,362m	939,362m	938,881m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,621m
	COTA	939,362m	939,362m	939,267m	939,267m	939,362m	939,362m	939,335m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

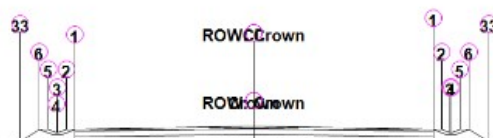
Estaca: 2+358,99

Área de Corte: 1,20m²
 Área de Aterro: 0,19m²
 Volume Acumulado: 1.475,21m³

Volume Acumulado: 1.475,21m3
Cota Projeto: 938,115m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,945
	COTA	938,040m	938,040m	937,945m	937,945m	938,040m	938,040m	937,689m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	938,040m	938,040m	937,945m	937,945m	938,040m	938,040m



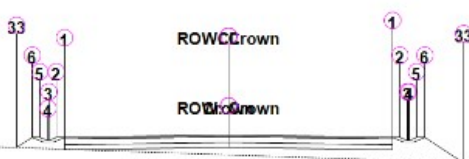
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+372,72

Área de Corte: 0,02m2
Área de Aterro: 0,52m2
Volume Acumulado: 1.479,54m3
Cota Projeto: 936,852m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,919
	COTA	936,777m	936,777m	936,682m	936,682m	936,777m	936,777m	936,452m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,930m
	COTA	936,777m	936,777m	936,682m	936,682m	936,777m	936,777m	936,441m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

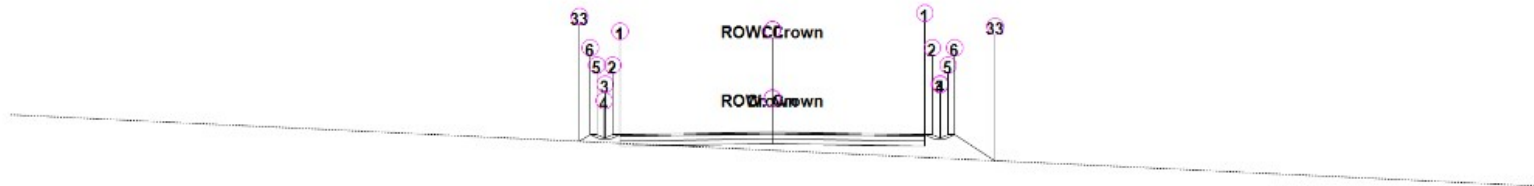
Estaca: 2+385,59

Área de Corte: 0,00m2
Área de Aterro: 1,83m2
Volume Acumulado: 1.462,80m3
Cota Projeto: 935,635m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,878
	COTA	935,560m	935,560m	935,465m	935,465m	935,560m	935,560m	935,276m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,212m
	COTA	935,560m	935,560m	935,465m	935,465m	935,560m	935,560m	935,276m

ACABADA	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,315m
LADO DIREITO	COTA	935,560m	935,560m	935,465m	935,465m	935,560m	935,560m	934,841m



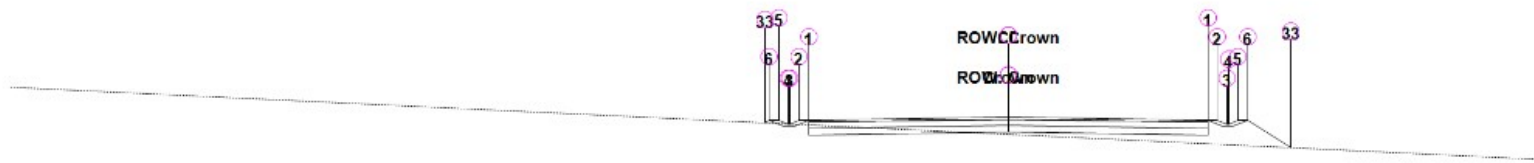
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+393,66

Área de Corte: 0,04m²
 Área de Aterro: 1,80m²
 Volume Acumulado: 1.447,73m³
 Cota Projeto: 934,869m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,794
	COTA	934,794m	934,794m	934,699m	934,699m	934,794m	934,794m	934,594m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,390m
	COTA	934,794m	934,794m	934,699m	934,699m	934,794m	934,794m	933,998m



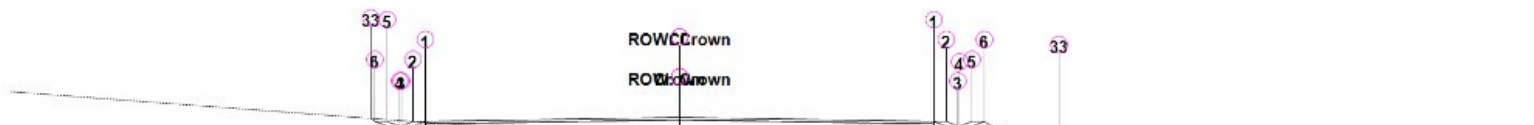
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+408,04

Área de Corte: 0,29m²
 Área de Aterro: 0,93m²
 Volume Acumulado: 1.430,57m³
 Cota Projeto: 933,505m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,659
	COTA	933,430m	933,430m	933,335m	933,335m	933,430m	933,430m	933,364m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,245m
	COTA	933,430m	933,430m	933,335m	933,335m	933,430m	933,430m	932,779m



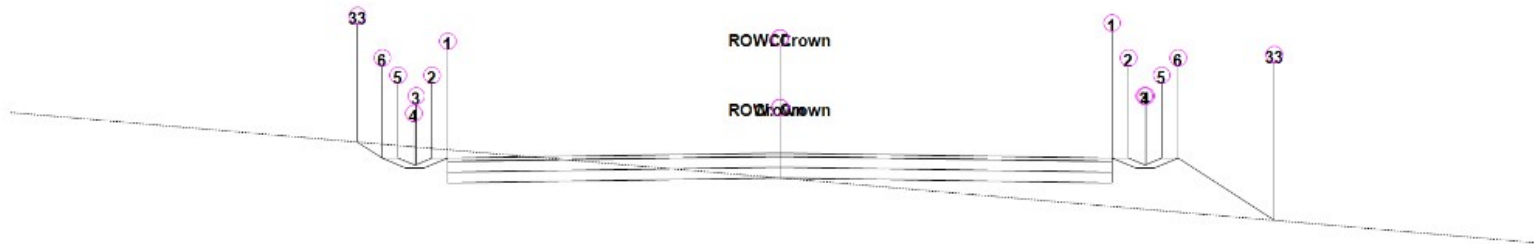
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+421,48

Área de Corte: 0,44m²
 Área de Aterro: 1,45m²
 Volume Acumulado: 1.419,24m³
 Cota Projeto: 932,231m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,645
	COTA	932,156m	932,156m	932,061m	932,061m	932,156m	932,156m	932,207m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,477m
	COTA	932,156m	932,156m	932,061m	932,061m	932,156m	932,156m	931,272m



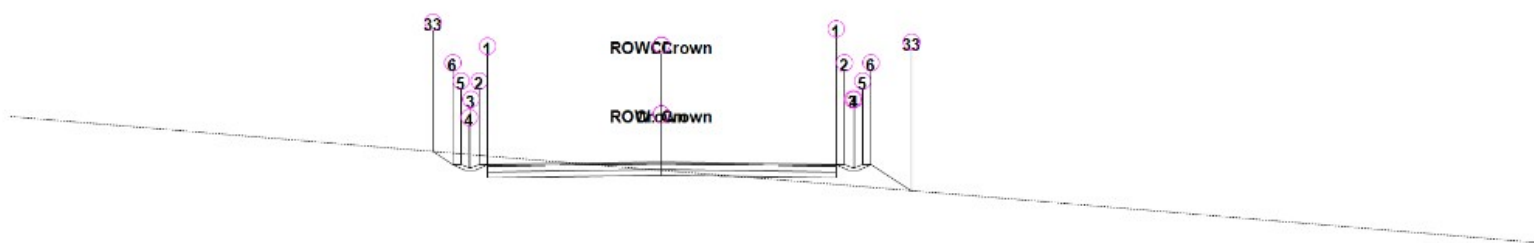
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+434,91

Área de Corte: 0,85m²
 Área de Aterro: 1,21m²
 Volume Acumulado: 1.409,06m³
 Cota Projeto: 930,956m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,816
	COTA	930,881m	930,881m	930,786m	930,786m	930,881m	930,881m	931,103m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,467m
	COTA	930,881m	930,881m	930,786m	930,786m	930,881m	930,881m	930,008m



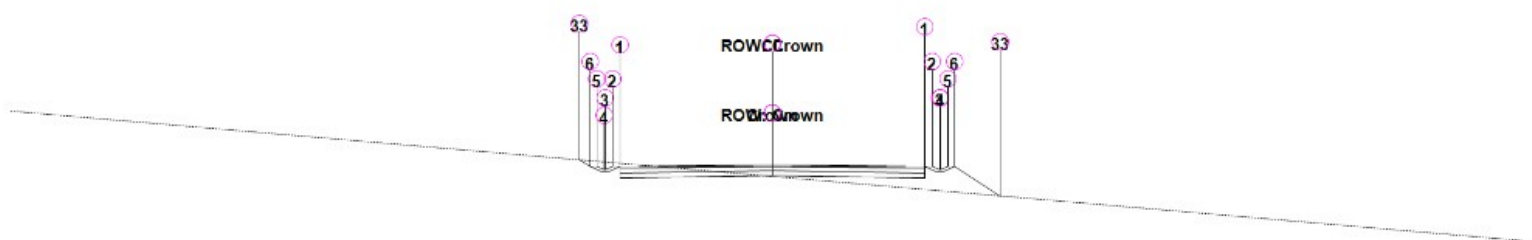
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+445,78

Área de Corte: 1,38m²
 Área de Aterro: 0,67m²
 Volume Acumulado: 1.411,29m³
 Cota Projeto: 929,926m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,941
	COTA	929,851m	929,851m	929,756m	929,756m	929,851m	929,851m	930,198m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,296m
	COTA	929,851m	929,851m	929,756m	929,756m	929,851m	929,851m	929,148m



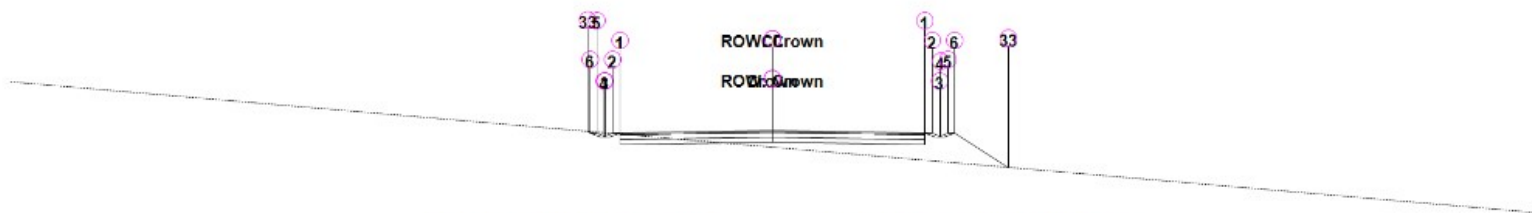
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+465,45

Área de Corte: 0,80m²
 Área de Aterro: 1,28m²
 Volume Acumulado: 1.414,96m³
 Cota Projeto: 928,585m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,801
	COTA	928,510m	928,510m	928,415m	928,415m	928,510m	928,510m	928,718m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,485m
	COTA	928,510m	928,510m	928,415m	928,415m	928,510m	928,510m	927,620m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+485,11

Área de Corte: 0,37m²
 Área de Aterro: 2,01m²
 Volume Acumulado: 1.392,00m³
 Cota Projeto: 928,574m

Cota Projeto: 928,574m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,643
	COTA	928,499m	928,499m	928,404m	928,404m	928,499m	928,499m	928,548m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,653m
	COTA	928,499m	928,499m	928,404m	928,404m	928,499m	928,499m	927,441m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+502,99

Área de Corte: 1,09m²
 Área de Aterro: 0,82m²
 Volume Acumulado: 1.376,72m³
 Cota Projeto: 928,280m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,789
	COTA	928,205m	928,205m	928,110m	928,110m	928,205m	928,205m	928,399m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,357m
	COTA	928,205m	928,205m	928,110m	928,110m	928,205m	928,205m	927,441m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

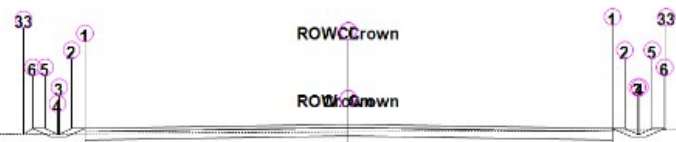
Estaca: 2+516,32

Área de Corte: 0,42m²
 Área de Aterro: 0,42m²
 Volume Acumulado: 1.380,31m³
 Cota Projeto: 927,463m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,655
	COTA	927,388m	927,388m	927,293m	927,293m	927,388m	927,388m	927,327m

PLATAFORMA	PTO	1	2	3	4	5	6	33
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ACABADA	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,077m
LADO DIREITO	COTA	927,388m	927,388m	927,293m	927,293m	927,388m	927,388m	926,906m



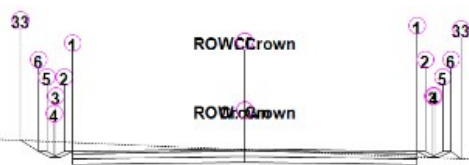
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+536,15

Área de Corte: 1,57m²
 Área de Aterro: 0,02m²
 Volume Acumulado: 1.392,89m³
 Cota Projeto: 925,348m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,694
	COTA	925,273m	925,273m	925,178m	925,178m	925,273m	925,273m	925,173m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,615m
	COTA	925,273m	925,273m	925,178m	925,178m	925,273m	925,273m	925,252m



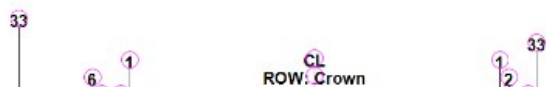
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+577,17

Área de Corte: 2,52m²
 Área de Aterro: 0,05m²
 Volume Acumulado: 1.488,09m³
 Cota Projeto: 920,411m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,911
	COTA	920,336m	920,336m	920,241m	920,241m	920,336m	920,336m	920,654m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,778m
	COTA	920,336m	920,336m	920,241m	920,241m	920,336m	920,336m	920,153m



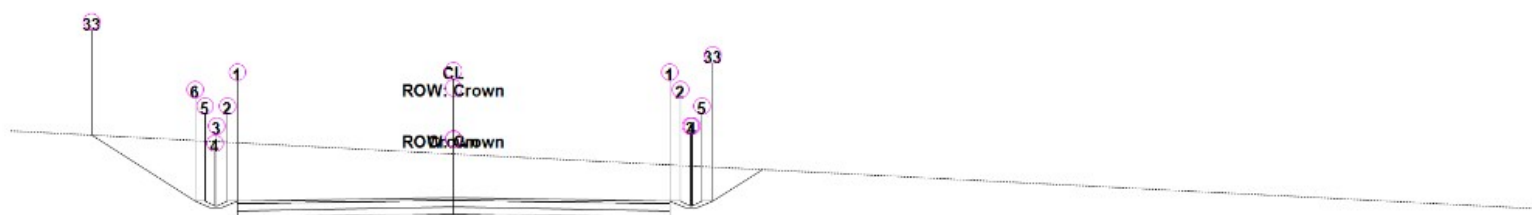
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+625,41

Área de Corte: 7,37m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 1.700,84m³
 Cota Projeto: 914,605m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,791
	COTA	914,530m	914,530m	914,435m	914,435m	914,530m	914,530m	915,727m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	914,530m	914,530m	914,435m	914,435m	914,530m	914,530m



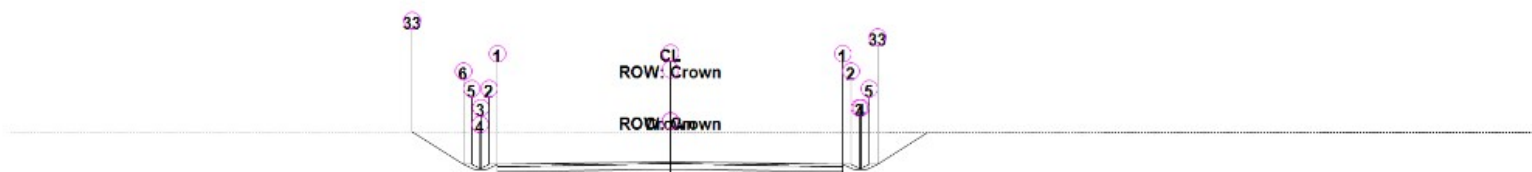
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+643,08

Área de Corte: 10,61m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 1.865,79m³
 Cota Projeto: 912,478m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	5,025
	COTA	912,403m	912,403m	912,308m	912,308m	912,403m	912,403m	913,834m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	912,403m	912,403m	912,308m	912,308m	912,403m	912,403m



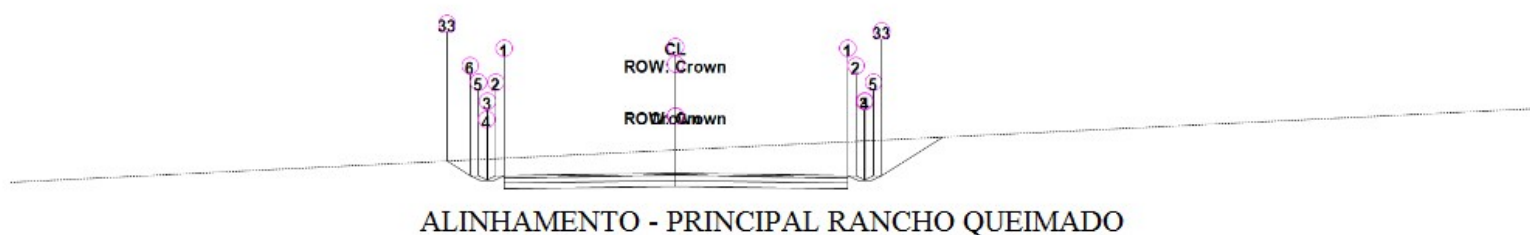
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+652,96

Área de Corte: 9,25m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 1.965,95m³
 Cota Projeto: 911,288m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,481
	COTA	911,213m	911,213m	911,118m	911,118m	911,213m	911,213m	912,100m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	911,213m	911,213m	911,118m	911,118m	911,213m	911,213m



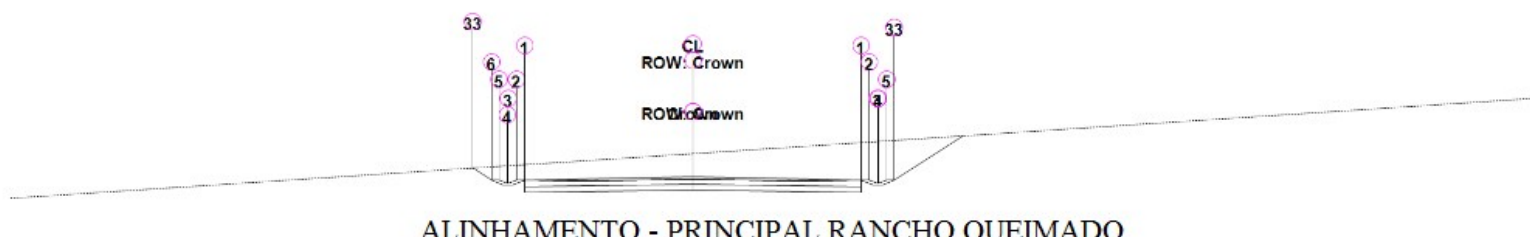
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+663,15

Área de Corte: 7,65m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 2.049,70m³
 Cota Projeto: 910,061m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,999
	COTA	909,986m	909,986m	909,891m	909,891m	909,986m	909,986m	910,391m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	909,986m	909,986m	909,891m	909,891m	909,986m	909,986m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

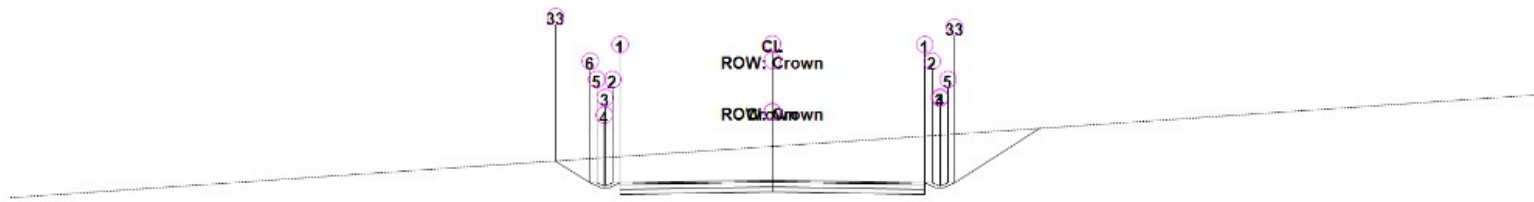
Estaca: 2+667,39

Área de Corte: 8,01m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 2.081,68m³
 Cota Projeto: 909,552m

PLATAFORMA	PTO	1	2	3	4	5	6	33
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ACABADA	PTO	1	2	3	4	5	6	33
LADO	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,927
ESQUERDO	COTA	909,477m	909,477m	909,382m	909,382m	909,477m	909,477m	909,810m

PLATAFORMA	PTO	1	2	3	4	5	33
ACABADA	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
LADO DIREITO	COTA	909,477m	909,477m	909,382m	909,382m	909,477m	909,477m



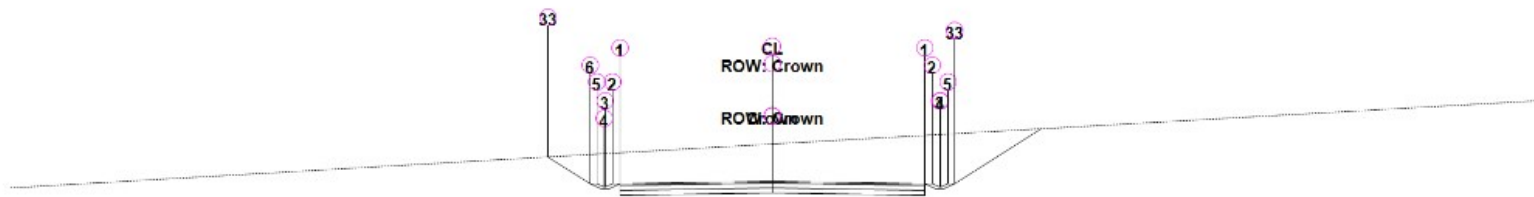
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+685,61

Área de Corte: 11,55m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 2.259,46m³
 Cota Projeto: 907,358m

PLATAFORMA	PTO	1	2	3	4	5	6	33
ACABADA	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,267
LADO	COTA	907,283m	907,283m	907,188m	907,188m	907,283m	907,283m	907,956m
ESQUERDO								

PLATAFORMA	PTO	1	2	3	4	5	33
ACABADA	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
LADO DIREITO	COTA	907,283m	907,283m	907,188m	907,188m	907,283m	907,283m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+691,69

Área de Corte: 12,44m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 2.333,47m³
 Cota Projeto: 906,627m

PLATAFORMA	PTO	1	2	3	4	5	6	33
ACABADA	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,422
LADO	COTA	906,552m	906,552m	906,457m	906,457m	906,552m	906,552m	907,380m
ESQUERDO								

PLATAFORMA	PTO	1	2	3	4	5	33
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ACABADA	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
LADO DIREITO	COTA	906,552m	906,552m	906,457m	906,457m	906,552m	906,552m



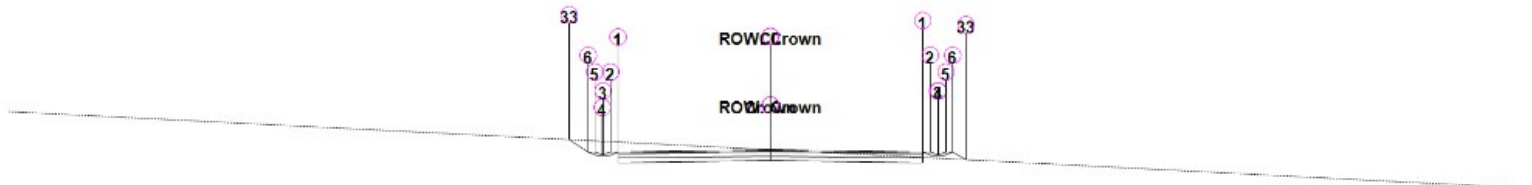
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+716,85

Área de Corte: 8,74m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 2.612,15m³
 Cota Projeto: 903,598m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,476
	COTA	903,523m	903,523m	903,428m	903,428m	903,523m	903,523m	904,405m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	903,523m	903,523m	903,428m	903,428m	903,523m	903,523m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+748,49

Área de Corte: 2,50m²
 Área de Aterro: 0,10m²
 Volume Acumulado: 2.787,29m³
 Cota Projeto: 899,789m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,960
	COTA	899,714m	899,714m	899,619m	899,619m	899,714m	899,714m	900,080m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,843m
	COTA	899,714m	899,714m	899,619m	899,619m	899,714m	899,714m	899,465m



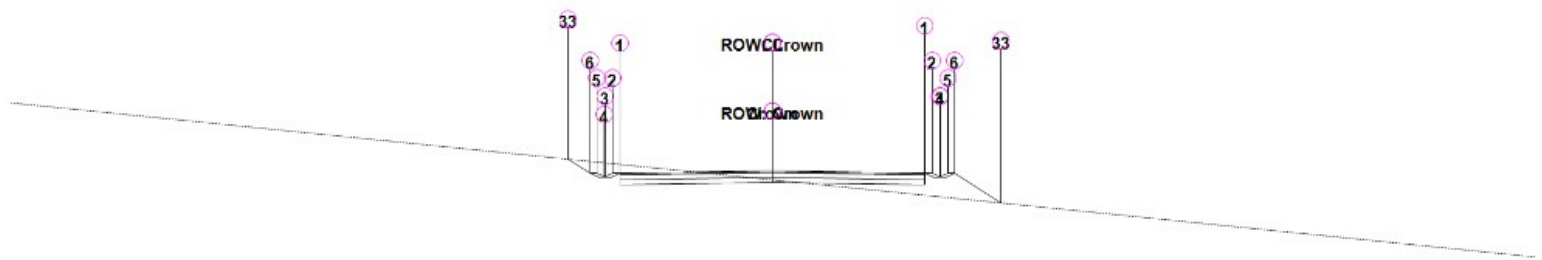
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+769,52

Área de Corte: 0,49m²
 Área de Aterro: 1,44m²
 Volume Acumulado: 2.801,36m³
 Cota Projeto: 897,282m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,667
	COTA	897,207m	897,207m	897,112m	897,112m	897,207m	897,207m	897,280m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,482m
	COTA	897,207m	897,207m	897,112m	897,112m	897,207m	897,207m	896,319m



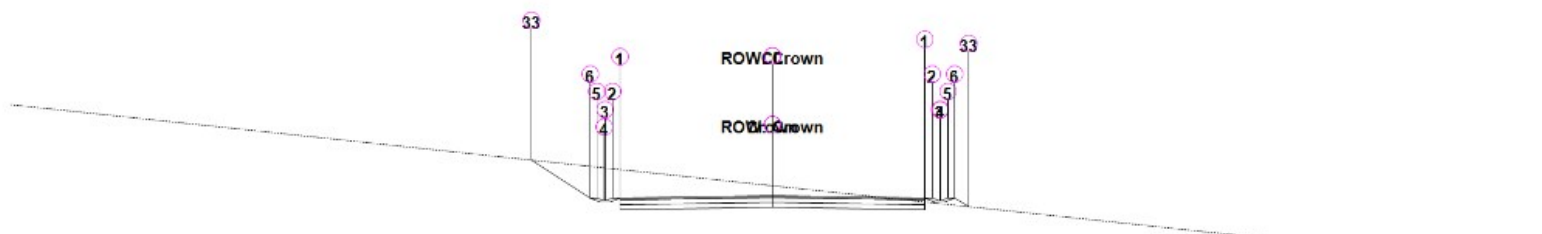
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+793,44

Área de Corte: 1,39m²
 Área de Aterro: 1,10m²
 Volume Acumulado: 2.777,24m³
 Cota Projeto: 895,035m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,027
	COTA	894,960m	894,960m	894,865m	894,865m	894,960m	894,960m	895,393m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,496m
	COTA	894,960m	894,960m	894,865m	894,865m	894,960m	894,960m	894,058m



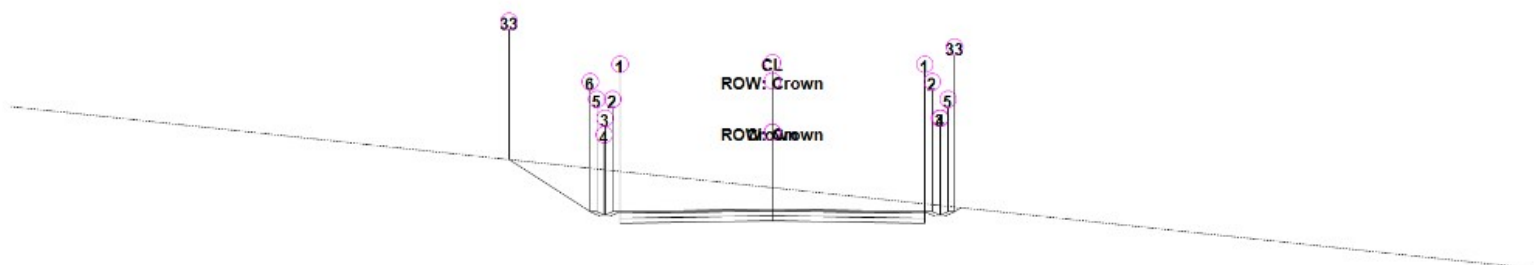
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+808,88

Área de Corte: 5,25m²
 Área de Aterro: 0,08m²
 Volume Acumulado: 2.813,42m³
 Cota Projeto: 893,972m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,747
	COTA	893,897m	893,897m	893,802m	893,802m	893,897m	893,897m	895,051m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,860m
	COTA	893,897m	893,897m	893,802m	893,802m	893,897m	893,897m	893,631m



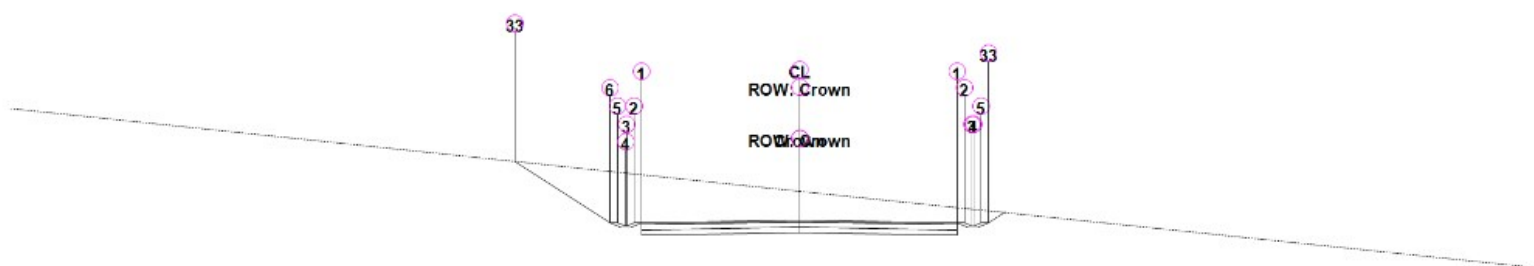
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+816,53

Área de Corte: 8,32m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 2.865,51m³
 Cota Projeto: 893,458m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	5,178
	COTA	893,383m	893,383m	893,288m	893,288m	893,383m	893,383m	894,967m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	893,383m	893,383m	893,288m	893,288m	893,383m	893,383m



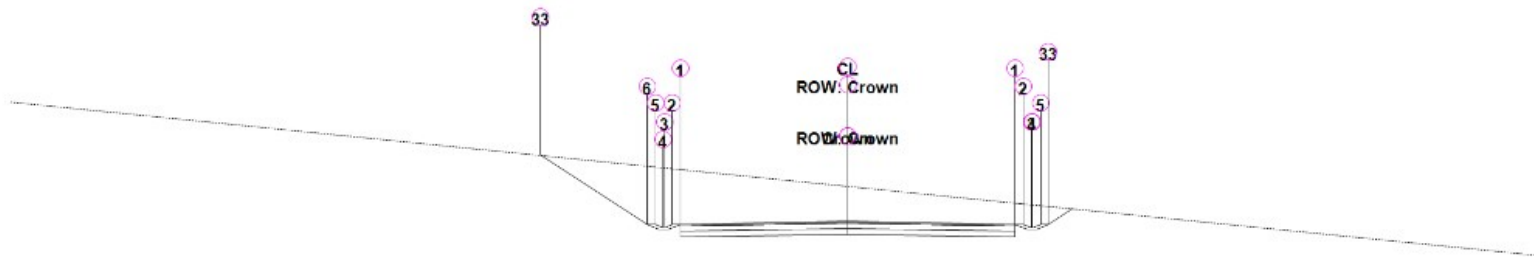
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+821,97

Área de Corte: 10,20m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 2.917,25m³
 Cota Projeto: 893,093m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	5,408
	COTA	893,018m	893,018m	892,923m	892,923m	893,018m	893,018m	894,831m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	893,018m	893,018m	892,923m	892,923m	893,018m	893,018m



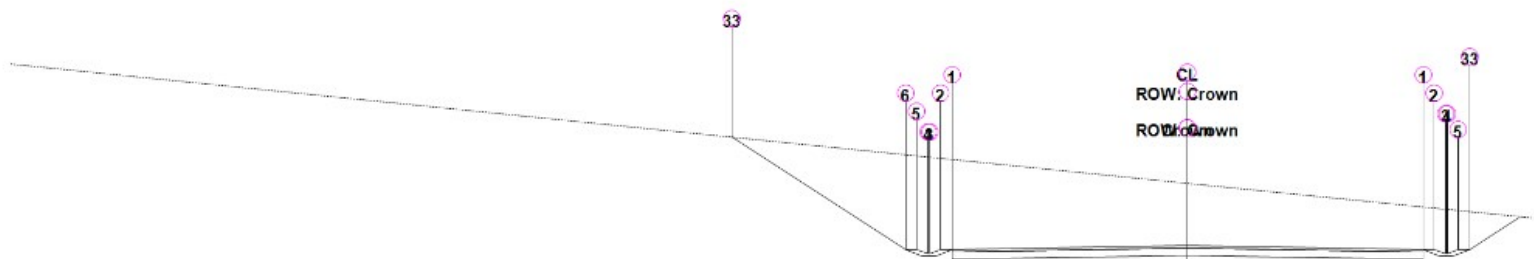
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+827,41

Área de Corte: 11,19m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 2.976,64m³
 Cota Projeto: 892,728m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	5,502
	COTA	892,653m	892,653m	892,558m	892,558m	892,653m	892,653m	894,561m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	892,653m	892,653m	892,558m	892,558m	892,653m	892,653m



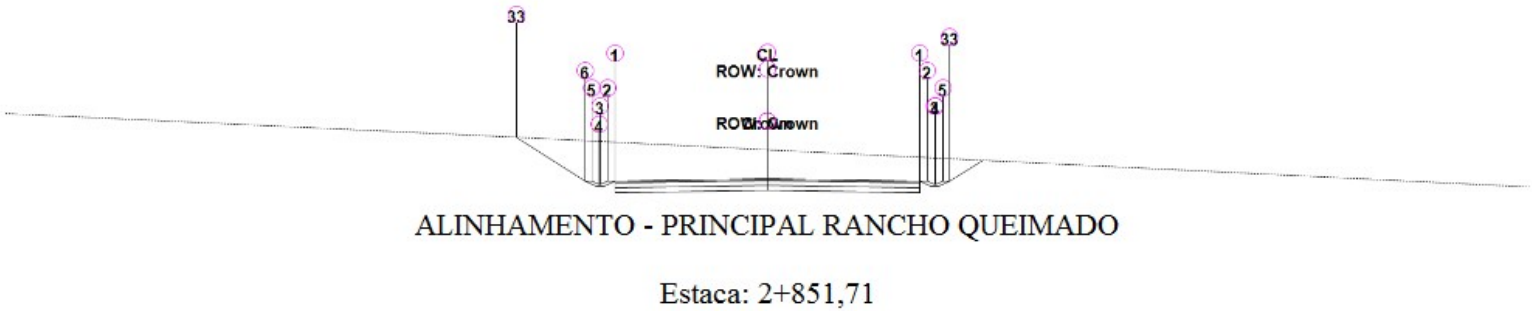
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+843,99

Área de Corte: 13,62m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 3.182,09m³
 Cota Projeto: 891,614m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	5,804
	COTA	891,539m	891,539m	891,444m	891,444m	891,539m	891,539m	893,748m

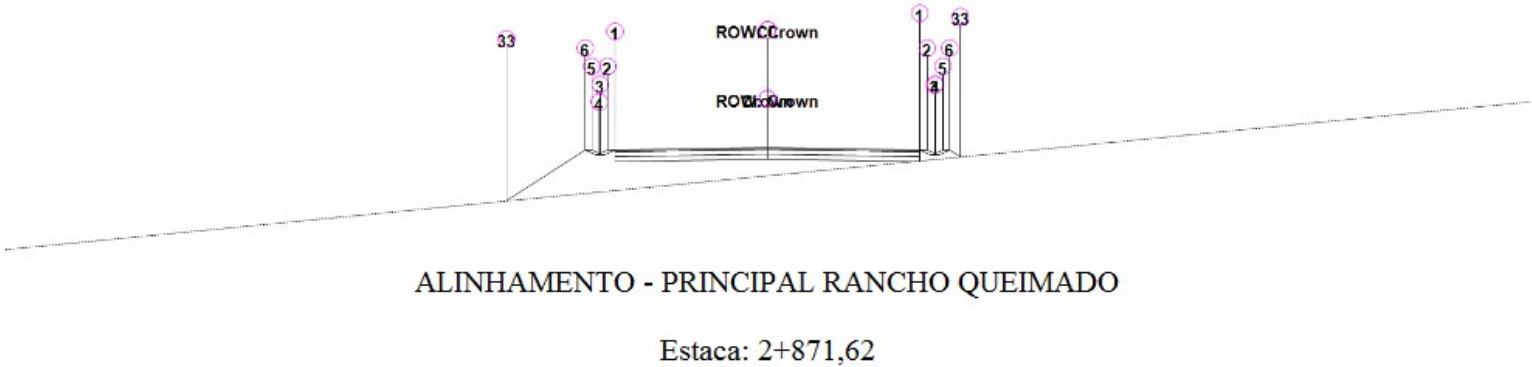
PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	891,539m	891,539m	891,444m	891,444m	891,539m	891,539m



Área de Corte: 10,04m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 3.280,50m³
 Cota Projeto: 891,095m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,943
	COTA	891,020m	891,020m	890,925m	890,925m	891,020m	891,020m	892,369m

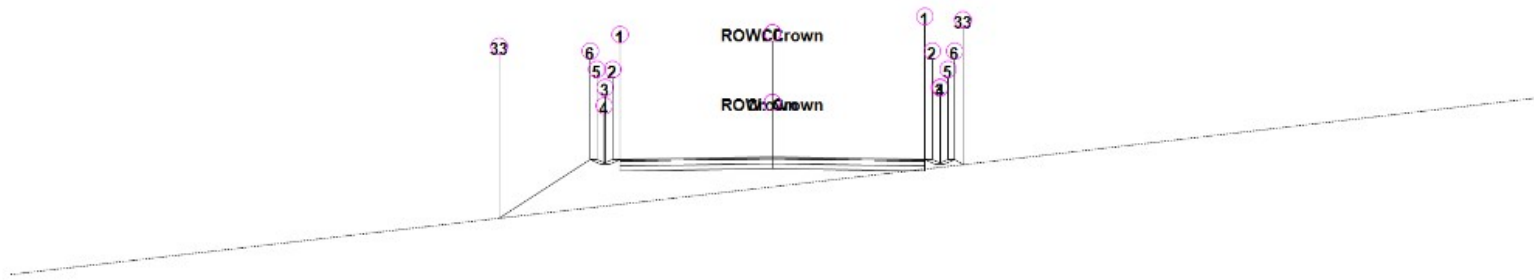
PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	891,020m	891,020m	890,925m	890,925m	891,020m	891,020m



Área de Corte: 0,00m²
 Área de Aterro: 4,61m²
 Volume Acumulado: 3.319,73m³
 Cota Projeto: 889,825m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	5,136
	COTA	889,750m	889,750m	889,655m	889,655m	889,750m	889,750m	888,208m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,799m
	COTA	889,750m	889,750m	889,655m	889,655m	889,750m	889,750m	889,545m



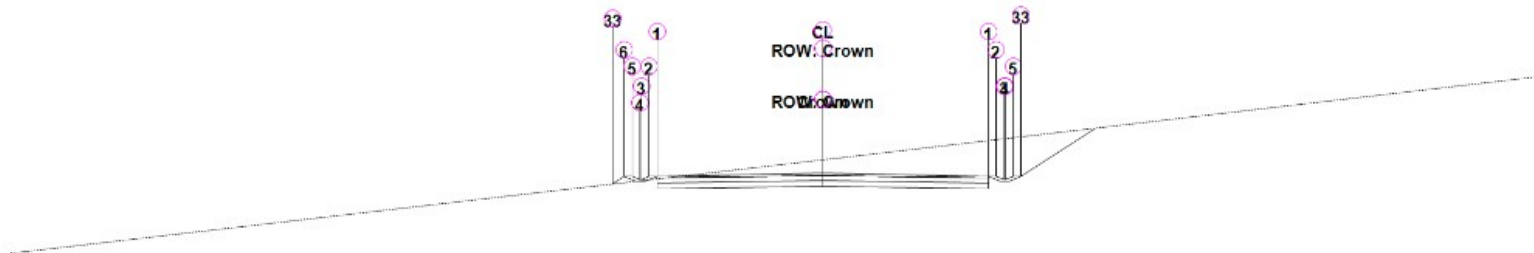
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+883,81

Área de Corte: 0,01m²
 Área de Aterro: 5,24m²
 Volume Acumulado: 3.246,22m³
 Cota Projeto: 889,326m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	5,373
	COTA	889,251m	889,251m	889,156m	889,156m	889,251m	889,251m	887,473m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,746m
	COTA	889,251m	889,251m	889,156m	889,156m	889,251m	889,251m	889,099m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

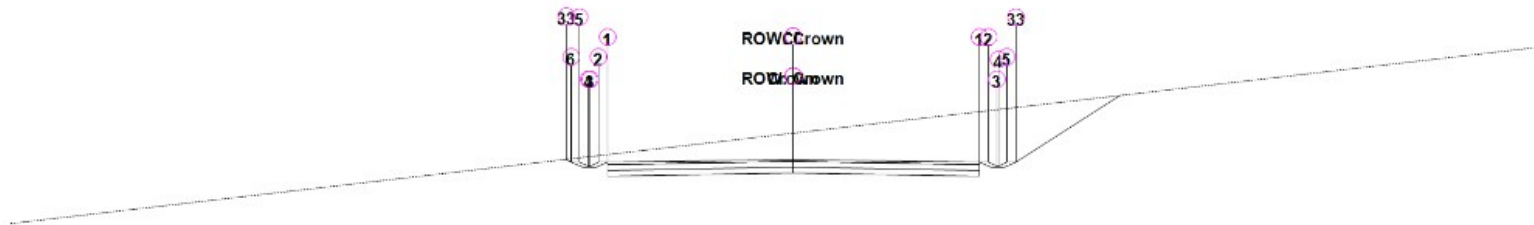
Estaca: 2+928,21

Área de Corte: 6,07m²
 Área de Aterro: 0,04m²
 Volume Acumulado: 3.251,55m³
 Cota Projeto: 888,404m

PLATAFORMA	PTO	1	2	3	4	5	6	33
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ACABADA	PTO	1	2	3	4	5	6	33
LADO	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,812
ESQUERDO	COTA	888,329m	888,329m	888,234m	888,234m	888,329m	888,329m	888,111m

PLATAFORMA	PTO	1	2	3	4	5	33
ACABADA	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
LADO DIREITO	COTA	888,329m	888,329m	888,234m	888,234m	888,329m	888,329m



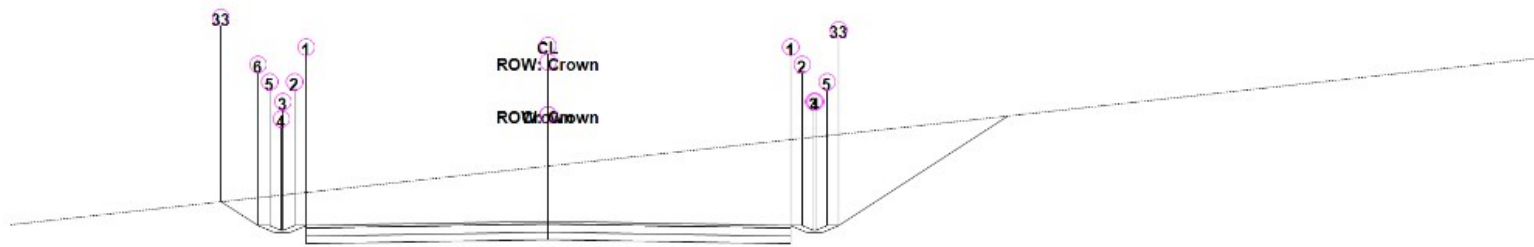
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+935,55

Área de Corte: 8,36m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 3.304,94m³
 Cota Projeto: 888,148m

PLATAFORMA	PTO	1	2	3	4	5	6	33
ACABADA	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,667
LADO	COTA	888,073m	888,073m	887,978m	887,978m	888,073m	888,073m	888,146m
ESQUERDO								

PLATAFORMA	PTO	1	2	3	4	5	33
ACABADA	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
LADO DIREITO	COTA	888,073m	888,073m	887,978m	887,978m	888,073m	888,073m



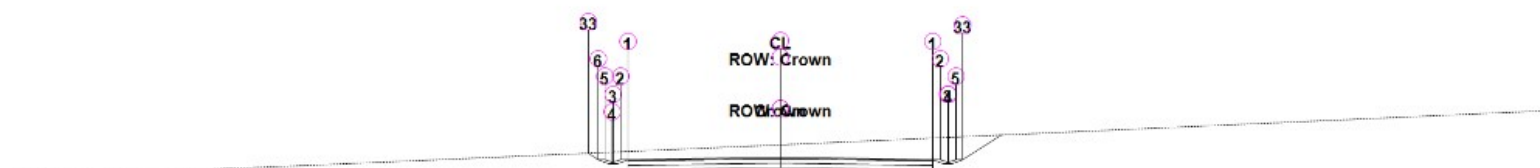
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+951,92

Área de Corte: 12,16m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 3.479,36m³
 Cota Projeto: 887,429m

PLATAFORMA	PTO	1	2	3	4	5	6	33
ACABADA	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,053
LADO	COTA	887,354m	887,354m	887,259m	887,259m	887,354m	887,354m	887,813m
ESQUERDO								

ESQUERDO	COTA	887,354m	887,354m	887,259m	887,259m	887,354m	887,354m
PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	887,354m	887,354m	887,259m	887,259m	887,354m	887,354m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+969,74

Área de Corte: 5,53m²
 Área de Aterro: 0,06m²
 Volume Acumulado: 3.648,19m³
 Cota Projeto: 886,413m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,789
	COTA	886,338m	886,338m	886,243m	886,243m	886,338m	886,338m	886,533m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	886,338m	886,338m	886,243m	886,243m	886,338m	886,338m



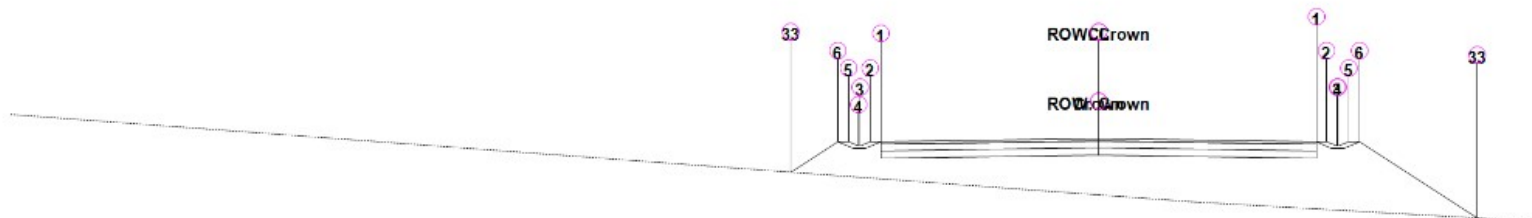
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 2+987,40

Área de Corte: 0,00m²
 Área de Aterro: 2,06m²
 Volume Acumulado: 3.676,48m³
 Cota Projeto: 885,168m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,987
	COTA	885,093m	885,093m	884,998m	884,998m	885,093m	885,093m	884,700m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,213m
	COTA	885,093m	885,093m	884,998m	884,998m	885,093m	885,093m	884,474m



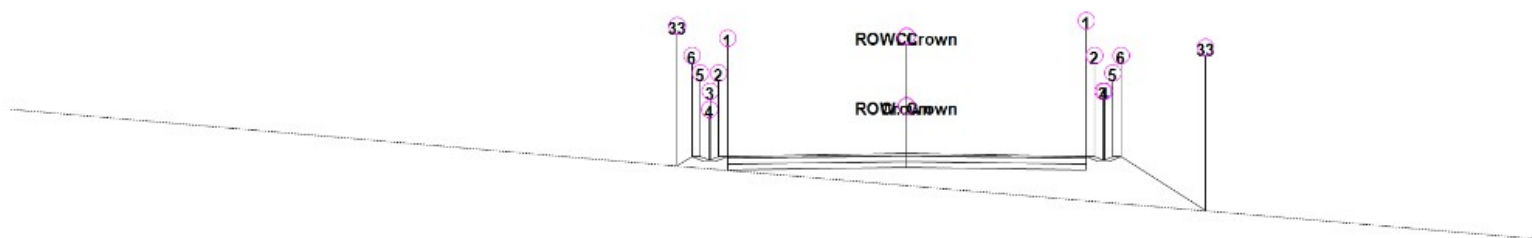
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 3+012,43

Área de Corte: 0,00m²
 Área de Aterro: 7,54m²
 Volume Acumulado: 3.541,99m³
 Cota Projeto: 883,257m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,242
	COTA	883,182m	883,182m	883,087m	883,087m	883,182m	883,182m	882,534m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	5,222m
	COTA	883,182m	883,182m	883,087m	883,087m	883,182m	883,182m	881,553m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 3+028,61

Área de Corte: 0,00m²
 Área de Aterro: 4,28m²
 Volume Acumulado: 3.437,00m³
 Cota Projeto: 882,022m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,837
	COTA	881,947m	881,947m	881,852m	881,852m	881,947m	881,947m	881,704m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,999m
	COTA	881,947m	881,947m	881,852m	881,852m	881,947m	881,947m	880,542m



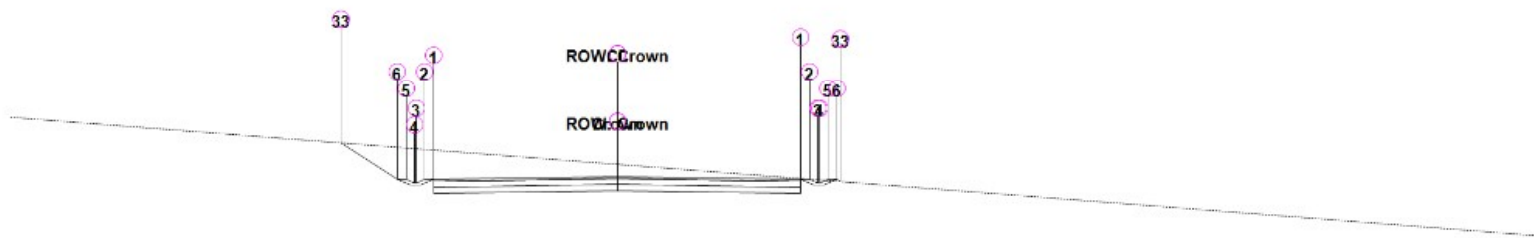
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 3+040,17

Área de Corte: 0,91m²
 Área de Aterro: 1,12m²
 Volume Acumulado: 3.411,18m³
 Cota Projeto: 881,139m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,829
	COTA	881,064m	881,064m	880,969m	880,969m	881,064m	881,064m	881,299m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,440m
	COTA	881,064m	881,064m	880,969m	880,969m	881,064m	881,064m	880,217m



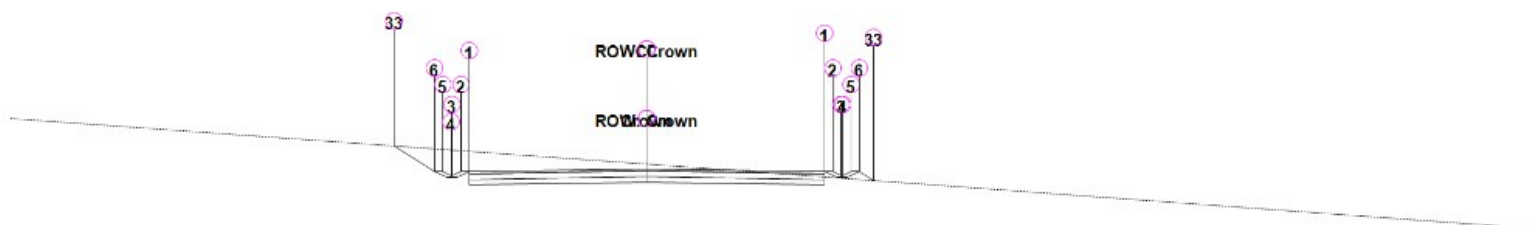
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 3+061,63

Área de Corte: 5,13m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 3.467,26m³
 Cota Projeto: 879,501m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,521
	COTA	879,426m	879,426m	879,331m	879,331m	879,426m	879,426m	880,353m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,647m
	COTA	879,426m	879,426m	879,331m	879,331m	879,426m	879,426m	879,372m

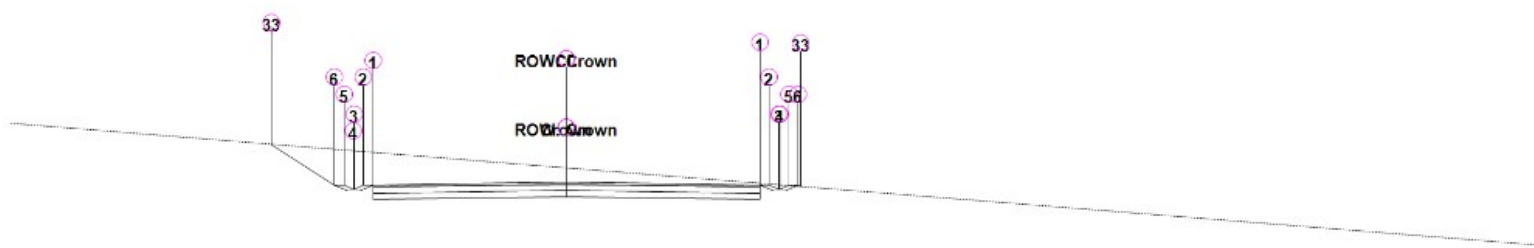


ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Área de Corte: 3,63m²
 Área de Aterro: 0,08m²
 Volume Acumulado: 3.660,69m³
 Cota Projeto: 876,342m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,268
	COTA	876,267m	876,267m	876,172m	876,172m	876,267m	876,267m	876,941m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,831m
	COTA	876,267m	876,267m	876,172m	876,172m	876,267m	876,267m	876,030m



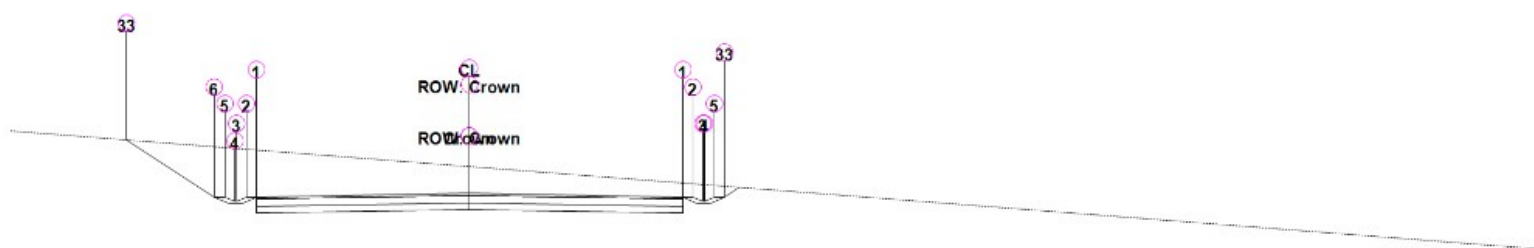
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 3+122,92

Área de Corte: 5,39m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 3.746,70m³
 Cota Projeto: 874,819m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,575
	COTA	874,744m	874,744m	874,649m	874,649m	874,744m	874,744m	875,725m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,627m
	COTA	874,744m	874,744m	874,649m	874,649m	874,744m	874,744m	874,711m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

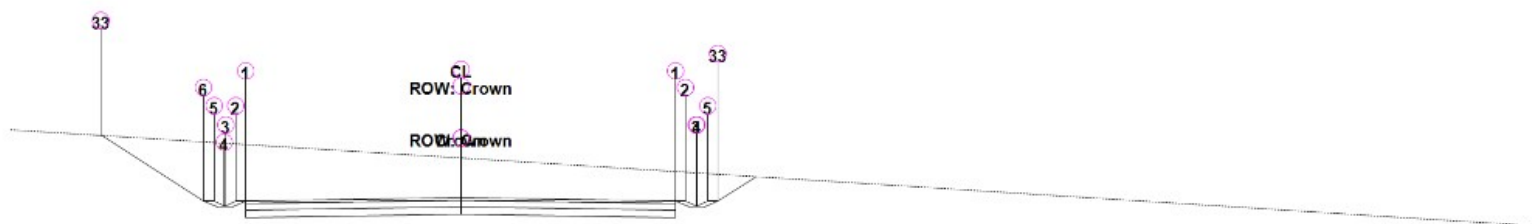
Estaca: 3+138,17

Área de Corte: 7,46m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 3.845,10m³

Volume Acumulado: 3.845,10m³
 Cota Projeto: 873,604m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,837
	COTA	873,529m	873,529m	873,434m	873,434m	873,529m	873,529m	874,772m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	873,529m	873,529m	873,434m	873,434m	873,529m	873,529m



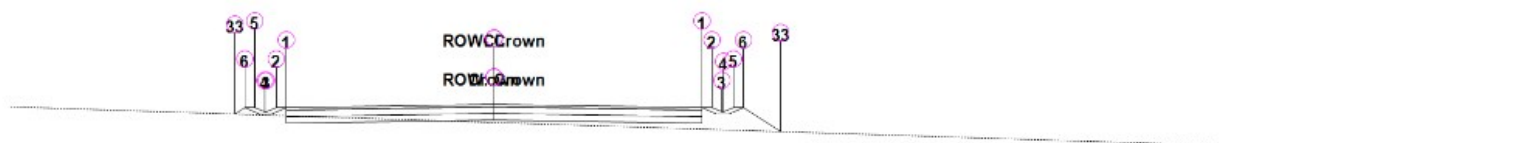
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 3+169,45

Área de Corte: 9,82m²
 Área de Aterro: 0,08m²
 Volume Acumulado: 4.128,11m³
 Cota Projeto: 870,895m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	5,028
	COTA	870,820m	870,820m	870,725m	870,725m	870,820m	870,820m	872,253m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	870,820m	870,820m	870,725m	870,725m	870,820m	870,820m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

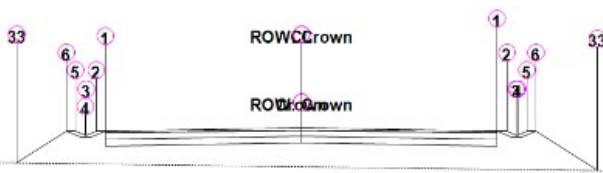
Estaca: 3+261,06

Área de Corte: 0,19m²
 Área de Aterro: 0,74m²
 Volume Acumulado: 4.543,19m³
 Cota Projeto: 861,329m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,736
	COTA	861,254m	861,254m	861,159m	861,159m	861,254m	861,254m	861,112m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,736m
	COTA	861,254m	861,254m	861,159m	861,159m	861,254m	861,254m	861,112m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,135m
	COTA	861,254m	861,254m	861,159m	861,159m	861,254m	861,254m	860,713m



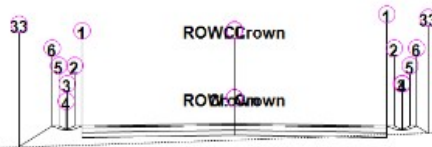
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 3+336,23

Área de Corte: 0,00m²
 Área de Aterro: 4,81m²
 Volume Acumulado: 4.294,44m³
 Cota Projeto: 852,804m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,350
	COTA	852,729m	852,729m	852,634m	852,634m	852,729m	852,729m	851,973m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,530m
	COTA	852,729m	852,729m	852,634m	852,634m	852,729m	852,729m	851,792m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 3+360,60

Área de Corte: 0,07m²
 Área de Aterro: 1,33m²
 Volume Acumulado: 4.211,38m³
 Cota Projeto: 850,040m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,244
	COTA	849,965m	849,965m	849,870m	849,870m	849,965m	849,965m	849,315m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,818m
	COTA	849,965m	849,965m	849,870m	849,870m	849,965m	849,965m	849,741m



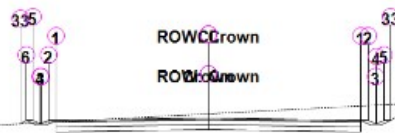
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 3+370,13

Área de Corte: 1,46m²
 Área de Aterro: 0,27m²
 Volume Acumulado: 4.209,91m³
 Cota Projeto: 848,960m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,043
	COTA	848,885m	848,885m	848,790m	848,790m	848,885m	848,885m	848,436m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	848,885m	848,885m	848,790m	848,790m	848,885m	848,885m



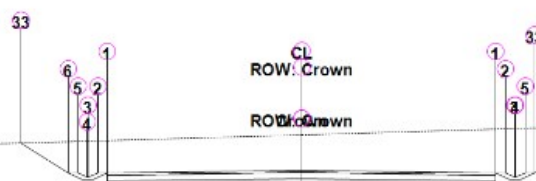
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 3+376,84

Área de Corte: 3,61m²
 Área de Aterro: 0,01m²
 Volume Acumulado: 4.226,15m³
 Cota Projeto: 848,198m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,695
	COTA	848,123m	848,123m	848,028m	848,028m	848,123m	848,123m	848,022m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	848,123m	848,123m	848,028m	848,028m	848,123m	848,123m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

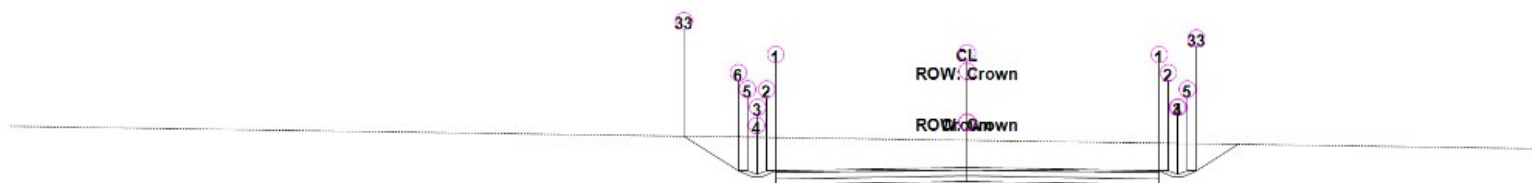
Estaca: 3+400,17

Área de Corte: 9,57m²
 Área de Aterro: 0,00m²

Área de Corte: 0,00m²
 Volume Acumulado: 4.384,17m³
 Cota Projeto: 845,526m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,324
	COTA	845,451m	845,451m	845,356m	845,356m	845,451m	845,451m	846,181m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	845,451m	845,451m	845,356m	845,356m	845,451m	845,451m



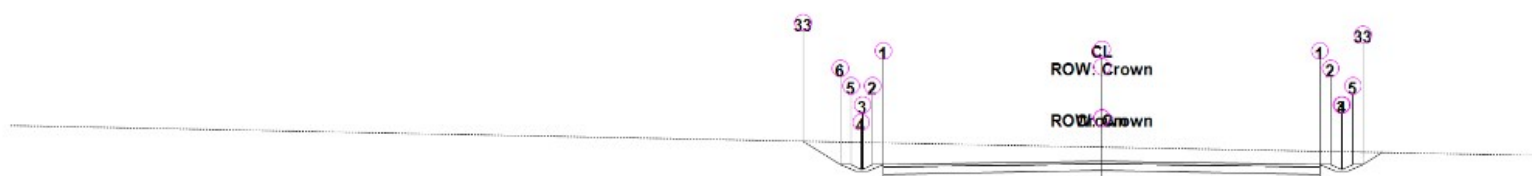
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 3+433,90

Área de Corte: 7,93m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 4.689,96m³
 Cota Projeto: 841,575m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,445
	COTA	841,500m	841,500m	841,405m	841,405m	841,500m	841,500m	842,351m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	841,500m	841,500m	841,405m	841,405m	841,500m	841,500m



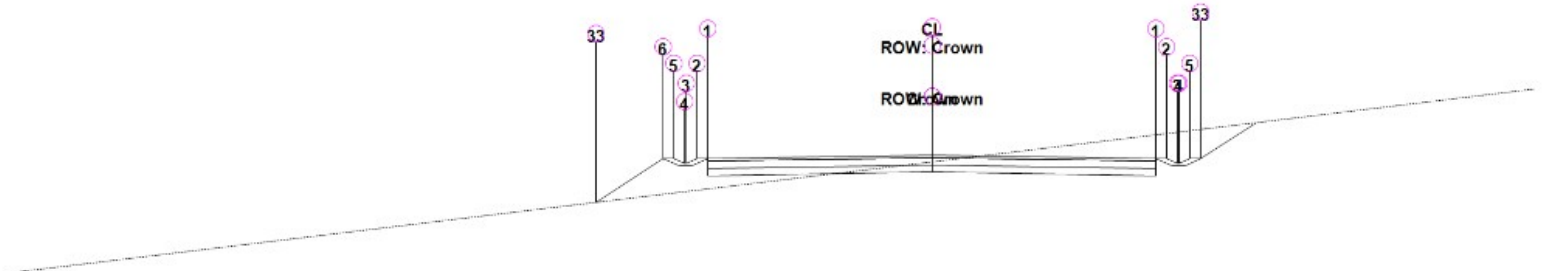
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 3+469,86

Área de Corte: 4,89m²
 Área de Aterro: 0,30m²
 Volume Acumulado: 4.924,28m³
 Cota Projeto: 837,538m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,102
	COTA	837,463m	837,463m	837,368m	837,368m	837,463m	837,463m	837,972m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	837,463m	837,463m	837,368m	837,368m	837,463m	837,463m



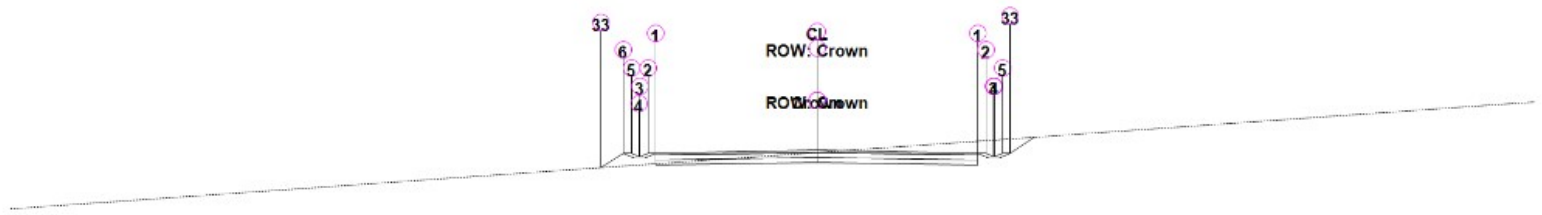
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 3+548,57

Área de Corte: 2,67m²
 Área de Aterro: 0,90m²
 Volume Acumulado: 5.130,20m³
 Cota Projeto: 836,167m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,492
	COTA	836,092m	836,092m	835,997m	835,997m	836,092m	836,092m	835,194m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	836,092m	836,092m	835,997m	835,997m	836,092m	836,092m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

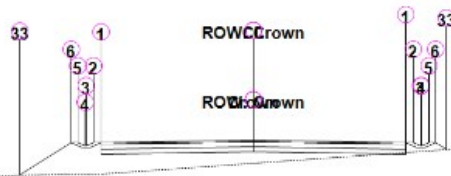
Estaca: 3+601,73

Área de Corte: 2,37m²
 Área de Aterro: 0,22m²
 Volume Acumulado: 5.140,46m³
 Cota Projeto: 828,188m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,010
	COTA	828,113m	828,113m	828,018m	828,018m	828,113m	828,113m	827,697m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	828,113m	828,113m	828,018m	828,018m	828,113m	828,113m

LADO DIREITO	COTA	828,113m	828,113m	828,018m	828,018m	828,113m	828,113m
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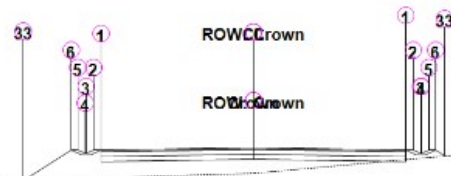
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 3+640,15

Área de Corte: 0,01m²
 Área de Aterro: 3,00m²
 Volume Acumulado: 5.145,24m³
 Cota Projeto: 823,412m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,590
	COTA	823,337m	823,337m	823,242m	823,242m	823,337m	823,337m	822,341m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,796m
	COTA	823,337m	823,337m	823,242m	823,242m	823,337m	823,337m	823,135m



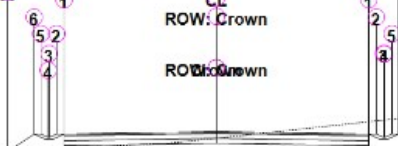
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 3+653,41

Área de Corte: 0,01m²
 Área de Aterro: 3,00m²
 Volume Acumulado: 5.104,49m³
 Cota Projeto: 821,861m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,535
	COTA	821,786m	821,786m	821,691m	821,691m	821,786m	821,786m	820,845m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,774m
	COTA	821,786m	821,786m	821,691m	821,691m	821,786m	821,786m	821,606m



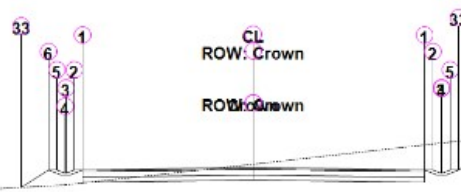
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 3+675,91

Área de Corte: 1,93m²
 Área de Aterro: 0,40m²
 Volume Acumulado: 5.081,50m³
 Cota Projeto: 819,314m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,115
	COTA	819,239m	819,239m	819,144m	819,144m	819,239m	819,239m	818,719m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	819,239m	819,239m	819,144m	819,144m	819,239m	819,239m



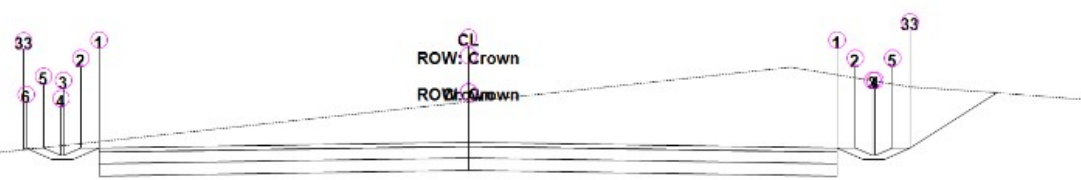
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 3+685,16

Área de Corte: 3,73m²
 Área de Aterro: 0,29m²
 Volume Acumulado: 5.103,21m³
 Cota Projeto: 818,541m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,069
	COTA	818,466m	818,466m	818,371m	818,371m	818,466m	818,466m	817,991m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	818,466m	818,466m	818,371m	818,371m	818,466m	818,466m



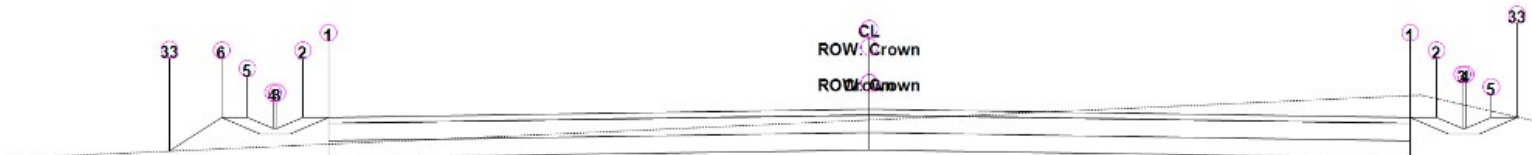
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 3+705,85

Área de Corte: 6,31m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 5.210,54m³
 Cota Projeto: 816,845m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,611
	COTA	816,770m	816,770m	816,675m	816,675m	816,770m	816,770m	816,753m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	816,770m	816,770m	816,675m	816,675m	816,770m	816,770m



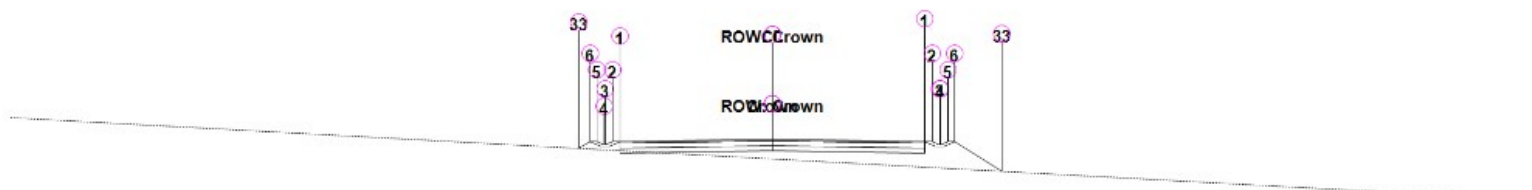
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 3+721,89

Área de Corte: 1,89m²
 Área de Aterro: 0,35m²
 Volume Acumulado: 5.278,16m³
 Cota Projeto: 815,511m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,882
	COTA	815,436m	815,436m	815,341m	815,341m	815,436m	815,436m	815,149m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	815,436m	815,436m	815,341m	815,341m	815,436m	815,436m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 3+737,94

Área de Corte: 0,02m²
 Área de Aterro: 2,30m²
 Volume Acumulado: 5.271,95m³
 Cota Projeto: 814,093m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,810
	COTA	814,018m	814,018m	813,923m	813,923m	814,018m	814,018m	813,802m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,511m
	COTA	814,018m	814,018m	813,923m	813,923m	814,018m	814,018m	813,101m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 3+758,48

Área de Corte: 0,67m²
 Área de Aterro: 0,55m²
 Volume Acumulado: 5.249,55m³
 Cota Projeto: 812,147m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,649
	COTA	812,072m	812,072m	811,977m	811,977m	812,072m	812,072m	812,127m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,168m
	COTA	812,072m	812,072m	811,977m	811,977m	812,072m	812,072m	811,498m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

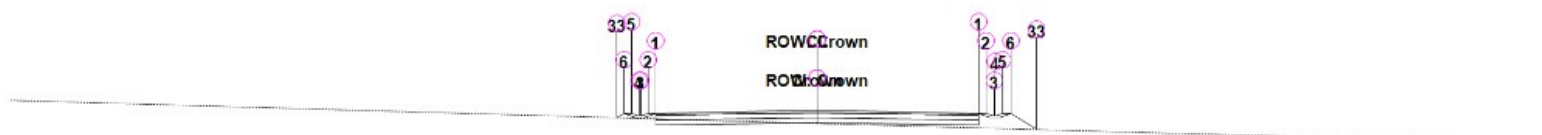
Estaca: 3+784,52

Área de Corte: 2,68m²
 Área de Aterro: 0,09m²
 Volume Acumulado: 5.289,21m³
 Cota Projeto: 809,468m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,953
	COTA	809,393m	809,393m	809,298m	809,298m	809,393m	809,393m	809,752m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,838m
	COTA	809,393m	809,393m	809,298m	809,298m	809,393m	809,393m	809,752m

LADO DIREITO	COTA	809,393m	809,393m	809,298m	809,298m	809,393m	809,393m	809,149m
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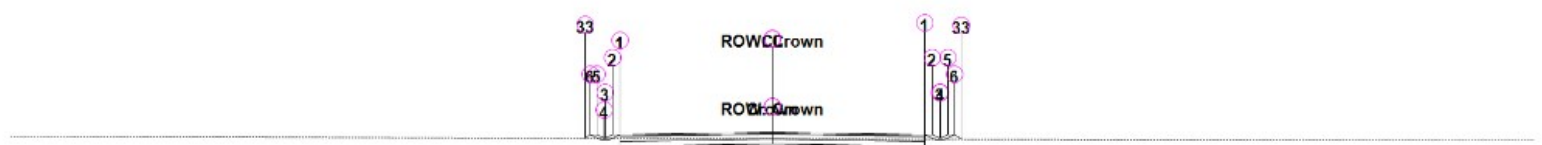
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 3+833,80

Área de Corte: 0,26m²
 Área de Aterro: 0,51m²
 Volume Acumulado: 5.326,48m³
 Cota Projeto: 803,862m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,722
	COTA	803,787m	803,787m	803,692m	803,692m	803,787m	803,787m	803,659m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,071m
	COTA	803,787m	803,787m	803,692m	803,692m	803,787m	803,787m	803,310m



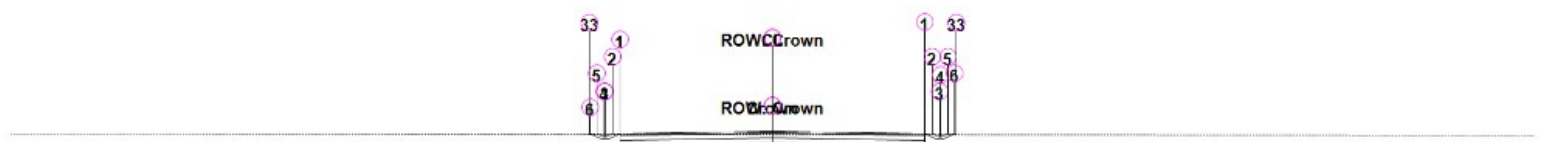
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 3+865,21

Área de Corte: 1,21m²
 Área de Aterro: 0,05m²
 Volume Acumulado: 5.345,40m³
 Cota Projeto: 800,225m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,692
	COTA	800,150m	800,150m	800,055m	800,055m	800,150m	800,150m	800,052m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,722m
	COTA	800,150m	800,150m	800,055m	800,055m	800,150m	800,150m	800,022m

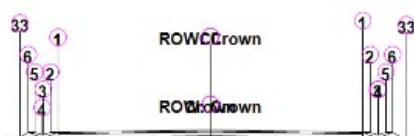


ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Área de Corte: 1,84m²
 Área de Aterro: 0,02m²
 Volume Acumulado: 5.390,69m³
 Cota Projeto: 796,723m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,609
	COTA	796,648m	796,648m	796,553m	796,553m	796,648m	796,648m	796,632m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,619m
	COTA	796,648m	796,648m	796,553m	796,553m	796,648m	796,648m	796,623m



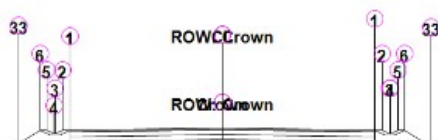
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 3+917,53

Área de Corte: 0,59m²
 Área de Aterro: 0,24m²
 Volume Acumulado: 5.418,12m³
 Cota Projeto: 794,433m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,750
	COTA	794,358m	794,358m	794,263m	794,263m	794,358m	794,358m	794,202m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,867m
	COTA	794,358m	794,358m	794,263m	794,263m	794,358m	794,358m	794,084m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

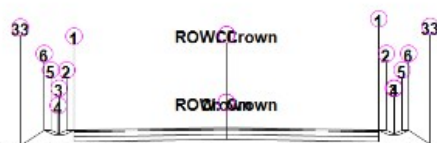
Estaca: 3+947,91

Área de Corte: 0,00m²
 Área de Aterro: 1,56m²
 Volume Acumulado: 5.387,98m³
 Cota Projeto: 791,589m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,004
	COTA	791,514m	791,514m	791,410m	791,410m	791,514m	791,514m	791,104m

ESQUERDO	COTA	791,514m	791,514m	791,419m	791,419m	791,514m	791,514m	791,104m
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PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,110m
	COTA	791,514m	791,514m	791,419m	791,419m	791,514m	791,514m	790,998m



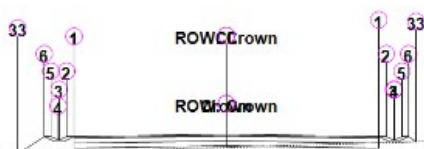
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 3+960,53

Área de Corte: 0,00m²
 Área de Aterro: 1,38m²
 Volume Acumulado: 5.369,46m³
 Cota Projeto: 790,408m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,058
	COTA	790,333m	790,333m	790,238m	790,238m	790,333m	790,333m	789,869m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,012m
	COTA	790,333m	790,333m	790,238m	790,238m	790,333m	790,333m	789,914m



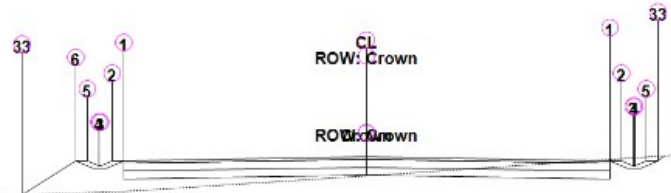
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 3+986,78

Área de Corte: 0,20m²
 Área de Aterro: 0,69m²
 Volume Acumulado: 5.342,59m³
 Cota Projeto: 787,990m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,116
	COTA	787,915m	787,915m	787,820m	787,820m	787,915m	787,915m	787,393m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,739m
	COTA	787,915m	787,915m	787,820m	787,820m	787,915m	787,915m	787,770m



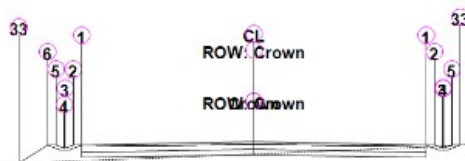
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 4+008,92

Área de Corte: 0,68m²
 Área de Aterro: 0,89m²
 Volume Acumulado: 5.346,62m³
 Cota Projeto: 786,194m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,254
	COTA	786,119m	786,119m	786,024m	786,024m	786,119m	786,119m	785,459m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	786,119m	786,119m	786,024m	786,024m	786,119m	786,119m



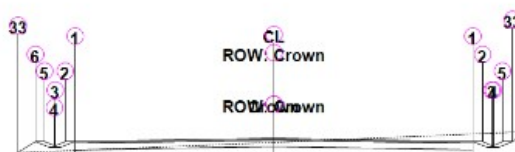
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 4+017,44

Área de Corte: 0,53m²
 Área de Aterro: 0,43m²
 Volume Acumulado: 5.345,83m³
 Cota Projeto: 785,573m

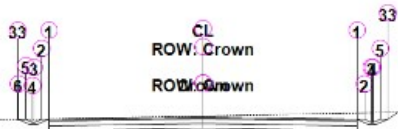
PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,093
	COTA	785,498m	785,498m	785,403m	785,403m	785,498m	785,498m	784,999m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	785,498m	785,498m	785,403m	785,403m	785,498m	785,498m



ACABADA	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,601
LADO ESQUERDO	COTA	784,125m	784,125m	784,030m	784,030m	784,125m	784,125m	784,118m

PLATAFORMA ACABADA	PTO	1	2	3	4	5	33
LADO DIREITO	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	784,125m	784,125m	784,030m	784,030m	784,125m	784,125m



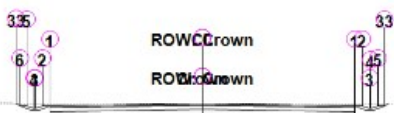
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 4+048,79

Área de Corte: 2,72m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 5.414,82m³
 Cota Projeto: 783,344m

PLATAFORMA ACABADA	PTO	1	2	3	4	5	6	33
LADO ESQUERDO	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,607
	COTA	783,269m	783,269m	783,174m	783,174m	783,269m	783,269m	783,255m

PLATAFORMA ACABADA	PTO	1	2	3	4	5	33
LADO DIREITO	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	783,269m	783,269m	783,174m	783,174m	783,269m	783,269m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 4+052,80

Área de Corte: 2,53m²
 Área de Aterro: 0,00m²
 Volume Acumulado: 5.425,51m³
 Cota Projeto: 783,059m

PLATAFORMA ACABADA	PTO	1	2	3	4	5	6	33
LADO ESQUERDO	DIST	3,000	3,145	3,287	3,307	3,450	3,594	3,673
	COTA	782,984m	782,984m	782,889m	782,889m	782,984m	782,984m	783,063m

PLATAFORMA ACABADA	PTO	1	2	3	4	5	33
LADO DIREITO	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m
	COTA	782,984m	782,984m	782,889m	782,889m	782,984m	782,984m

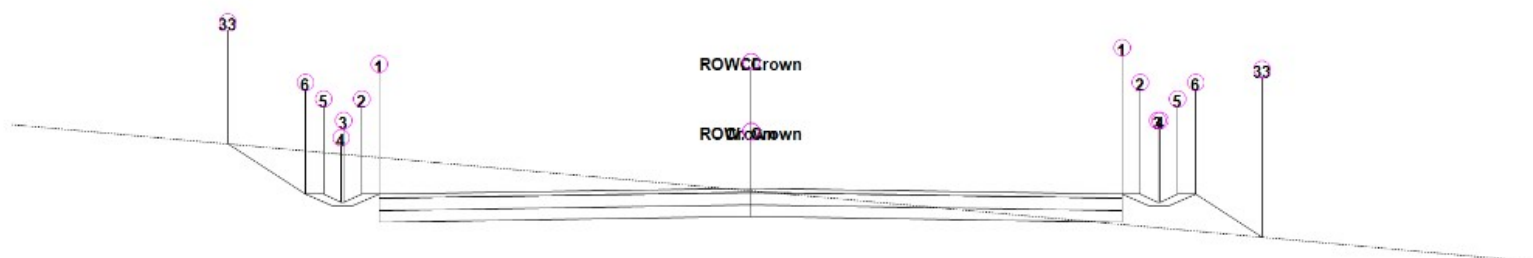
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 4+063,80

Área de Corte: 3,13m²
 Área de Aterro: 0,04m²
 Volume Acumulado: 5.453,17m³
 Cota Projeto: 782,293m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,026
	COTA	782,218m	782,218m	782,123m	782,123m	782,218m	782,218m	782,650m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	3,762m
	COTA	782,218m	782,218m	782,123m	782,123m	782,218m	782,218m	782,051m



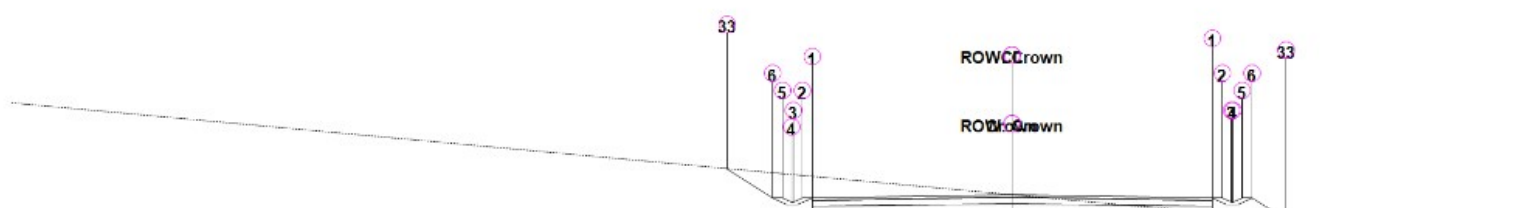
ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 4+070,81

Área de Corte: 2,66m²
 Área de Aterro: 0,32m²
 Volume Acumulado: 5.469,72m³
 Cota Projeto: 781,938m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,227
	COTA	781,863m	781,863m	781,768m	781,768m	781,863m	781,863m	782,496m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,130m
	COTA	781,863m	781,863m	781,768m	781,768m	781,863m	781,863m	781,327m



ALINHAMENTO - PRINCIPAL RANCHO QUEIMADO

Estaca: 4+090,00

Área de Corte: 2,90m²

Área de Aterro: 0,29m²

Volume Acumulado: 5.518,96m³

Cota Projeto: 781,442m

PLATAFORMA ACABADA LADO ESQUERDO	PTO	1	2	3	4	5	6	33
	DIST	3,000	3,145	3,287	3,307	3,450	3,594	4,275
	COTA	781,367m	781,367m	781,272m	781,272m	781,367m	781,367m	782,049m

PLATAFORMA ACABADA LADO DIREITO	PTO	1	2	3	4	5	6	33
	DIST	3,000m	3,145m	3,287m	3,307m	3,450m	3,594m	4,100m
	COTA	781,367m	781,367m	781,272m	781,272m	781,367m	781,367m	780,861m