

ESTADO DE SANTA CATARINA  
MUNICÍPIO DE TIJUCAS  
SECRETARIA DE PLANEJAMENTO



ABRIL 2022

# PROJETO BÁSICO EXECUTIVO DE INFRAESTRUTURA

VOLUME 03- RELATÓRIO DE TERRAPLENAGEM

LOCAL: TIJUCAS/SC

ESTRADA GERAL PORTO ITINGA

EXTENSÃO: 680,00 METROS

ESTRADA GERAL CAPIM BRANCO

EXTENSÃO: 1.720,89 METROS





## RELATÓRIO DE ALINHAMENTO HORIZONTAL POR ESTACA

Estaca	Norte	Este
0+0,000	6982030,6077260	728241,8730723
1+0,000	6982012,2126308	728234,0232014
2+0,000	6981993,8175356	728226,1733305
3+0,000	6981975,4224405	728218,3234595
4+0,000	6981957,0273453	728210,4735886
5+0,000	6981938,6322501	728202,6237177
6+0,000	6981920,2371549	728194,7738467
7+0,000	6981901,8420598	728186,9239758
8+0,000	6981883,4469646	728179,0741049
9+0,000	6981865,0518694	728171,2242340
10+0,000	6981846,6567742	728163,3743630
11+0,000	6981828,2616791	728155,5244921
11+9,568 PC	6981819,4612502	728151,7690220
12+0,000	6981809,8897902	728147,6206617
13+0,000	6981791,5416435	728139,6616728
14+0,000	6981773,1967284	728131,6952377
15+0,000	6981754,8550481	728123,7213580
16+0,000	6981736,5166056	728115,7400348
17+0,000	6981718,1814039	728107,7512694
17+10,943 PCR	6981708,1508162	728103,3771303
18+0,000	6981699,8875358	728099,6689908
19+0,000	6981681,6203748	728091,5258684
20+0,000	6981663,3255789	728083,4450234
21+0,000	6981645,0033604	728075,4265496
22+0,000	6981626,6539319	728067,4705402
23+0,000	6981608,2775063	728059,5770874
23+13,205 PCR	6981596,1300633	728054,3998875
24+0,000	6981589,8675253	728051,7624588
25+0,000	6981571,6681653	728043,4726094
25+18,188 PCC	6981555,4411518	728035,2605611
26+0,000	6981553,8266800	728034,4374235
27+0,000	6981536,3700527	728024,6852637
28+0,000	6981519,6341194	728013,7423667
28+14,517 PCR	6981507,9840141	728005,0835720



29+0,000	6981502,9889583	728002,9470251
29+7,991 PCC	6981495,2686411	728004,2904639
29+13,863 PT	6981490,6046537	728007,8263028
30+0,000	6981486,2989484	728012,1987818
31+0,000	6981472,2660437	728026,4493111
32+0,000	6981458,2331391	728040,6998405
33+0,000	6981444,2002344	728054,9503699
34+0,000	6981430,1673298	728069,2008992
34+4,637 PC	6981426,9140807	728072,5046003
34+12,853 PCC	6981423,3800308	728079,7459605
35+0,000	6981424,5655773	728086,6899792
35+0,427 PT	6981424,7630688	728087,0684158
36+0,000	6981434,0543692	728104,2956713
37+0,000	6981443,5483135	728121,8986546
38+0,000	6981453,0422578	728139,5016379
38+3,182 PC	6981454,5529340	728142,3026242
39+0,000	6981461,8672915	728157,4442538
40+0,000	6981469,5336211	728175,9131887
41+0,000	6981476,0513707	728194,8180321
41+15,553 PT	6981480,3101449	728209,7752184
42+0,000	6981481,4821736	728214,0648323
43+0,000	6981486,7534549	728233,3576702
44+0,000	6981492,0247362	728252,6505081
45+0,000	6981497,2960175	728271,9433459
46+0,000	6981502,5672988	728291,2361838
47+0,000	6981507,8385801	728310,5290217
47+2,390 PC	6981508,4685034	728312,8345350
48+0,000	6981515,9522833	728328,6739192
48+5,349 PCC	6981519,2800649	728332,8578763
49+0,000	6981529,4164543	728343,4319516
49+6,074 PCR	6981533,8532452	728347,5800130
50+0,000	6981541,5782374	728358,9806418
50+16,722 PCR	6981542,0169065	728375,4293890
51+0,000	6981541,1694107	728378,5958621
52+0,000	6981539,1734771	728398,4317935
53+0,000	6981542,6792266	728418,0572271
53+19,818 PT	6981551,3180914	728435,8245842
54+0,000	6981551,4194507	728435,9752427



55+0,000	6981562,5835293	728452,5693184
56+0,000	6981573,7476080	728469,1633941
57+0,000	6981584,9116867	728485,7574698
58+0,000	6981596,0757654	728502,3515454
59+0,000	6981607,2398440	728518,9456211
59+15,276 PC	6981615,7671953	728531,6205149
60+0,000	6981618,3334095	728535,5859023
61+0,000	6981627,5091181	728553,3336491
62+0,000	6981633,7917616	728572,2995274
62+4,061 PCC	6981634,6987627	728576,2572983
63+0,000	6981637,4788509	728591,9511125
63+16,321 PCR	6981639,6017673	728608,1316436
64+0,000	6981640,0374992	728611,7851443
65+0,000	6981642,7178356	728631,6041323
66+0,000	6981645,9235094	728651,3449567
67+0,000	6981649,6522599	728670,9936948
68+0,000	6981653,9014573	728690,5364892
69+0,000	6981658,6681048	728709,9595570
69+4,311 PCR	6981659,7629192	728714,1287841
70+0,000	6981663,6876080	728729,3191876
70+17,847 PCR	6981667,8283027	728746,6787552
71+0,000	6981668,3052023	728748,7784155
72+0,000	6981672,9479288	728768,2317468
73+0,000	6981677,9738099	728787,5896270
74+0,000	6981683,3808864	728806,8445102
74+10,748 PCC	6981686,4433167	728817,1466688
75+0,000	6981689,3982789	728825,9121820
75+15,055 PT	6981695,5506776	728839,6424433
76+0,000	6981697,7473551	728844,0732462
77+0,000	6981706,6309981	728861,9919762
78+0,000	6981715,5146411	728879,9107063
78+9,061 PC	6981719,5394898	728888,0290173
79+0,000	6981724,1273070	728897,9591599
80+0,000	6981732,3748226	728916,1793452
81+0,000	6981740,4397546	728934,4810812
81+4,332 PCR	6981742,1624182	728938,4556537
82+0,000	6981749,1462402	728952,4710041
82+18,727 PT	6981759,5942942	728967,9932970



83+0,000	6981760,3897381	728968,9875349
84+0,000	6981772,8841524	728984,6045004
85+0,000	6981785,3785667	729000,2214659
86+0,000	6981797,8729809	729015,8384314
87+0,000	6981810,3673952	729031,4553969
87+0,091 PC	6981810,4243336	729031,5265651
88+0,000	6981819,3365631	729049,1230885
89+0,000	6981819,2566029	729068,9362764
89+2,815 PCC	6981818,4939485	729071,6459381
90+0,000	6981813,0245708	729087,9363753
91+0,000	6981806,1422381	729106,7141427
92+0,000	6981798,7096148	729125,2809724
92+12,604 PCR	6981793,7456005	729136,8666000
93+0,000	6981791,1001585	729143,7703626
93+14,440 PCC	6981787,6807957	729157,7824053
94+0,000	6981786,8990831	729163,2869970
95+0,000	6981785,0280134	729183,1946854
96+0,000	6981784,6360762	729203,1862673
96+15,673 PCR	6981785,3643742	729218,8404604
97+0,000	6981785,6542504	729223,1574107
98+0,000	6981786,9658693	729243,1143512
98+16,891 PCC	6981788,0373119	729259,9714010
99+0,000	6981788,1797304	729263,0768708
100+0,000	6981786,2041013	729282,9263185
100+18,867 PCC	6981779,8711801	729300,6522161
101+0,000	6981779,3684242	729301,6672549
102+0,000	6981769,4336791	729319,0127839
103+0,000	6981757,5893559	729335,1149126
103+13,998 PCR	6981748,2452812	729345,5320799
104+0,000	6981744,0574572	729349,8313460
105+0,000	6981731,7001264	729365,5291538
106+0,000	6981722,0384303	729383,0156177
106+0,139 PT	6981721,9811959	729383,1427013
106+8,209 PC	6981718,9005434	729390,6010556
107+0,000	6981714,7079654	729401,6215247
108+0,000	6981707,3414311	729420,2151872
109+0,000	6981699,6558252	729438,6792491
110+0,000	6981691,6534267	729457,0082352



110+7,029 PCC	6981688,7663887	729463,4164278
110+19,016 PCC	6981682,8022915	729473,7941352
111+0,000	6981682,1963481	729474,5691083
111+13,447 PCR	6981671,4066348	729482,3307740
112+0,000	6981665,3981469	729484,9370459
113+0,000	6981649,3087231	729496,6616806
113+1,865 PT	6981648,0245586	729498,0141213
114+0,000	6981635,6848643	729511,3035141
115+0,000	6981622,0761126	729525,9596349
116+0,000	6981608,4673608	729540,6157556
116+0,964 PC	6981607,8111237	729541,3224986
117+0,000	6981596,2176610	729556,3531202
118+0,000	6981588,6152413	729574,7850593
119+0,000	6981586,2516471	729594,5827002
120+0,000	6981589,3011481	729614,2863473
120+0,155 PCC	6981589,3456686	729614,4351067
120+0,893 PT	6981589,5795926	729615,1343808



## RELATÓRIO DE ALINHAMENTO VERTICAL POR ESTACA

Estaca	Cota
0+0,000	6,9510345
1+0,000	6,3829982
2+0,000	5,9966317
3+0,000	5,7926168
4+0,000	5,7350317
5+0,000	5,6900857
6+0,000	5,6473175
7+0,000	5,6122861
8+0,000	5,5852682
9+0,000	5,5662635
10+0,000	5,5552723
11+0,000	5,5522944
11+9,568 PC	5,5537037
12+0,000	5,5573300
13+0,000	5,5703788
14+0,000	5,5914411
15+0,000	5,6205167
16+0,000	5,6554279
17+0,000	5,6906156
17+10,943 PCR	5,7098682
18+0,000	5,7258033
19+0,000	5,7609910
20+0,000	5,8007290
21+0,000	5,8575716
22+0,000	5,9322460
23+0,000	6,0247522
23+13,205 PCR	6,0956011
24+0,000	6,1350902
25+0,000	6,2612029
25+18,188 PCC	6,3817460



26+0,000	6,4001803
27+0,000	6,8345643
28+0,000	7,6916452
28+14,517 PCR	8,4490844
29+0,000	8,7351625
29+7,991 PCC	9,1521053
29+13,863 PT	9,3752817
30+0,000	9,3734182
31+0,000	9,3673446
32+0,000	9,3612710
33+0,000	9,3551975
34+0,000	9,1652946
34+4,637 PC	8,9689473
34+12,853 PCC	8,6360381
35+0,000	8,3639314
35+0,427 PT	8,3481939
36+0,000	7,6889796
37+0,000	7,1414534
38+0,000	6,7213529
38+3,182 PC	6,6662576
39+0,000	6,4286780
40+0,000	6,2634287
41+0,000	6,2008567
41+15,553 PT	6,1611810
42+0,000	6,1557130
43+0,000	6,1866666
44+0,000	6,3085056
45+0,000	6,4957693
46+0,000	6,6859070
47+0,000	6,8760447
47+2,390 PC	6,8987663
48+0,000	7,0661824
48+5,349 PCC	7,1163413
49+0,000	7,2361489
49+6,074 PCR	7,2779578
50+0,000	7,3564221
50+16,722 PCR	7,4186417
51+0,000	7,4267459





52+0,000	7,4471202
53+0,000	7,4247765
53+19,818 PT	7,3973558
54+0,000	7,3971046
55+0,000	7,3694326
56+0,000	7,3417607
57+0,000	7,3140887
58+0,000	7,2863927
59+0,000	7,2586340
59+15,276 PC	7,2373886
60+0,000	7,2308119
61+0,000	7,2029266
62+0,000	7,1749781
62+4,061 PCC	7,1692960
63+0,000	7,1469783
63+16,321 PCR	7,1220150
64+0,000	7,1155795
65+0,000	7,0752907
66+0,000	7,0260363
67+0,000	6,9678163
68+0,000	6,9036599
69+0,000	6,8393615
69+4,311 PCR	6,8255033
70+0,000	6,7750631
70+17,847 PCR	6,7176868
71+0,000	6,7107647
72+0,000	6,6464662
73+0,000	6,5821678
74+0,000	6,5191128
74+10,748 PCC	6,4963676
75+0,000	6,4867801
75+15,055 PT	6,4909409
76+0,000	6,4976471
77+0,000	6,5296974
78+0,000	6,5617478
78+9,061 PC	6,5762687
79+0,000	6,5937982
80+0,000	6,6258506



81+0,000	6,6646114
81+4,332 PCR	6,6747153
82+0,000	6,7163401
82+18,727 PT	6,7765311
83+0,000	6,7810365
84+0,000	6,8587006
85+0,000	6,9493325
86+0,000	7,0379285
87+0,000	7,0913068
87+0,091 PC	7,0914657
88+0,000	7,1078547
89+0,000	7,0875724
89+2,815 PCC	7,0817599
90+0,000	7,0378559
91+0,000	6,9856690
92+0,000	6,9334821
92+12,604 PCR	6,9005927
93+0,000	6,8812952
93+14,440 PCC	6,8436161
94+0,000	6,8291083
95+0,000	6,7763581
96+0,000	6,7219966
96+15,673 PCR	6,6782527
97+0,000	6,6660002
98+0,000	6,6083688
98+16,891 PCC	6,5584226
99+0,000	6,5491025
100+0,000	6,4882017
100+18,867 PCC	6,4300146
101+0,000	6,4265282
102+0,000	6,3656661
103+0,000	6,3061184
103+13,998 PCR	6,2652241
104+0,000	6,2478852
105+0,000	6,1909666
106+0,000	6,1353624



106+0,139 PT	6,1349795
106+8,209 PC	6,1129204
107+0,000	6,0810727
108+0,000	6,0280976
109+0,000	5,9764369
110+0,000	5,9260907
110+7,029 PCC	5,9087099
110+19,016 PCC	5,8794354
111+0,000	5,8770378
111+13,447 PCR	5,8431632
112+0,000	5,8259126
113+0,000	5,7702442
113+1,865 PT	5,7648214
114+0,000	5,7100329
115+0,000	5,6452784
116+0,000	5,5759809
116+0,964 PC	5,5725245
117+0,000	5,5027997
118+0,000	5,4291353
119+0,000	5,3554709
120+0,000	5,2818065
120+0,155 PCC	5,2812346
2+400,89 PT	5,2784706



## RELATÓRIO DE CORTE E ATERRO

Estaca	Área de Corte (m²)	Volume de Corte (m³)	Área de Aterro (m²)	Volume de Aterro (m³)	Volum Corte Acum. (m³)	Volum Aterro Acum. (m³)	Volume Líquido (m³)
0+000.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00
0+020.00	1.43	44.34	0.04	0.40	44.34	0.40	43.94
0+040.00	1.44	28.69	0.01	0.46	73.03	0.86	72.17
0+060.00	1.56	30.01	0.01	0.22	103.05	1.08	101.97
0+080.00	1.28	28.39	0.07	0.81	131.44	1.89	129.55
0+100.00	0.55	18.32	0.20	2.68	149.76	4.57	145.19
0+120.00	0.52	10.77	0.16	3.62	160.53	8.18	152.34
0+140.00	0.70	12.20	0.14	3.01	172.73	11.19	161.53
0+160.00	0.22	9.19	0.23	3.72	181.91	14.91	167.00
0+180.00	1.45	16.76	0.08	3.09	198.67	18.00	180.67
0+200.00	1.94	33.91	0.02	0.99	232.58	18.99	213.58
0+220.00	2.56	44.95	0.00	0.22	277.53	19.21	258.31
0+229.57	3.38	28.40	0.00	0.01	305.92	19.22	286.71
0+240.00	3.70	36.93	0.00	0.00	342.86	19.22	323.64
0+260.00	2.96	66.68	0.00	0.00	409.54	19.22	390.32
0+280.00	3.98	69.49	0.00	0.00	479.03	19.22	459.81
0+290.26	4.46	43.30	0.00	0.00	522.33	19.22	503.11
0+300.00	4.41	43.22	0.00	0.00	565.55	19.22	546.33
0+320.00	3.49	78.98	0.00	0.00	644.53	19.22	625.31
0+340.00	2.29	57.83	0.00	0.01	702.37	19.23	683.14
0+350.94	1.92	23.05	0.01	0.06	725.42	19.28	706.14
0+360.00	1.68	16.28	0.03	0.16	741.70	19.44	722.26
0+380.00	1.10	27.80	0.11	1.31	769.50	20.75	748.75
0+400.00	0.98	20.81	0.13	2.35	790.31	23.09	767.22
0+412.07	1.14	12.79	0.12	1.49	803.10	24.58	778.52
0+420.00	1.28	9.61	0.12	0.93	812.71	25.51	787.20
0+440.00	0.70	19.81	0.19	3.06	832.52	28.57	803.95
0+460.00	0.22	9.19	0.34	5.25	841.71	33.83	807.88
0+473.20	0.00	1.45	0.95	8.48	843.16	42.31	800.85



0+480.00	0.00	0.00	1.37	7.88	843.16	50.19	792.97
0+495.70	0.01	0.04	1.50	22.56	843.20	72.75	770.45
0+500.00	0.04	0.10	1.33	6.08	843.30	78.83	764.46
0+518.19	0.15	1.68	1.04	21.62	844.98	100.45	744.52
0+520.00	0.10	0.22	1.15	1.98	845.20	102.44	742.76
0+540.00	0.00	0.96	3.43	45.88	846.16	148.31	697.85
0+546.35	0.00	0.00	3.42	21.78	846.16	170.09	676.07
0+560.00	0.00	0.00	1.99	37.01	846.16	207.11	639.05
0+574.52	2.18	15.81	0.00	14.51	861.98	221.62	640.36
0+580.00	3.20	14.77	0.00	0.01	876.74	221.63	655.12
0+581.25	3.28	4.12	0.00	0.00	880.87	221.63	659.24
0+587.99	2.78	20.78	0.00	0.00	901.65	221.63	680.02
0+590.93	2.18	7.34	0.02	0.04	908.99	221.67	687.32
0+593.86	1.87	5.99	0.42	0.74	914.98	222.41	692.57
0+600.00	1.91	11.61	0.00	1.28	926.59	223.69	702.90
0+620.00	2.03	39.41	0.00	0.04	966.00	223.73	742.27
0+640.00	2.09	41.16	0.03	0.33	1,007.16	224.06	783.10
0+660.00	2.17	42.61	0.03	0.56	1,049.77	224.61	825.16
0+680.00	2.09	42.59	0.00	0.27	1,092.36	224.88	867.48
0+684.64	2.02	9.52	0.00	0.00	1,101.88	224.88	877.00
0+688.74	1.87	8.12	0.01	0.02	1,110.00	224.90	885.11
0+692.85	1.51	6.98	0.02	0.05	1,116.98	224.95	892.03
0+696.64	1.23	5.13	0.03	0.10	1,122.11	225.05	897.06
0+700.00	1.16	3.88	0.12	0.30	1,125.99	225.35	900.64
0+700.43	1.08	0.46	0.12	0.06	1,126.45	225.41	901.04
0+720.00	1.38	24.09	31.81	312.50	1,150.54	537.91	612.63
0+740.00	1.67	30.46	9.69	415.02	1,181.00	952.93	228.07
0+760.00	3.12	47.86	0.00	96.88	1,228.86	1,049.81	179.05
0+763.18	3.22	10.09	0.00	0.00	1,238.95	1,049.81	189.14
0+780.00	3.31	54.79	0.00	0.00	1,293.74	1,049.81	243.93
0+799.37	3.22	63.19	0.00	0.00	1,356.92	1,049.81	307.12
0+800.00	3.23	2.04	0.00	0.00	1,358.96	1,049.81	309.15
0+820.00	3.30	65.22	0.00	0.00	1,424.18	1,049.81	374.37
0+835.55	2.87	47.92	0.00	0.00	1,472.10	1,049.81	422.29
0+840.00	2.78	12.55	0.00	0.00	1,484.65	1,049.81	434.84
0+860.00	2.00	47.77	0.03	0.28	1,532.42	1,050.08	482.33
0+880.00	0.89	28.92	0.24	2.67	1,561.34	1,052.75	508.59
0+900.00	0.00	8.94	1.51	17.49	1,570.28	1,070.24	500.04
0+920.00	0.00	0.00	3.80	53.05	1,570.28	1,123.29	446.99
0+940.00	0.00	0.00	4.99	87.82	1,570.28	1,211.11	359.17
0+942.39	0.00	0.00	5.04	11.98	1,570.28	1,223.09	347.19
0+953.87	0.00	0.00	9.72	84.22	1,570.28	1,307.31	262.97
0+960.00	0.00	0.00	9.28	58.03	1,570.28	1,365.34	204.94
0+965.35	0.00	0.00	7.00	43.51	1,570.28	1,408.84	161.44
0+975.71	0.00	0.00	4.21	58.10	1,570.28	1,466.94	103.33
0+980.00	0.00	0.00	3.22	15.97	1,570.28	1,482.91	87.36



0+986.07	0.01	0.03	1.79	15.27	1,570.31	1,498.18	72.13
1+000.00	0.00	0.08	1.22	20.62	1,570.39	1,518.81	51.58
1+001.40	0.00	0.00	1.27	1.71	1,570.39	1,520.52	49.87
1+016.72	0.00	0.00	2.07	25.54	1,570.39	1,546.07	24.32
1+020.00	0.00	0.00	2.15	6.89	1,570.39	1,552.96	17.44
1+040.00	0.00	0.00	3.79	59.12	1,570.39	1,612.08	-41.68
1+048.27	0.00	0.00	6.21	41.40	1,570.39	1,653.47	-83.08
1+060.00	0.00	0.01	5.14	66.55	1,570.40	1,720.03	-149.62
1+079.82	0.00	0.02	3.60	86.39	1,570.42	1,806.41	-235.99
1+080.00	0.00	0.00	3.60	0.65	1,570.42	1,807.07	-236.64
1+100.00	0.00	0.00	3.39	69.91	1,570.42	1,876.97	-306.55
1+120.00	0.00	0.00	3.19	65.80	1,570.42	1,942.78	-372.35
1+140.00	0.00	0.00	2.78	59.71	1,570.42	2,002.49	-432.06
1+160.00	0.00	0.00	2.24	50.15	1,570.43	2,052.64	-482.22
1+180.00	0.00	0.00	1.93	41.68	1,570.43	2,094.32	-523.89
1+195.28	0.00	0.00	1.63	27.18	1,570.43	2,121.50	-551.07
1+200.00	0.00	0.00	2.02	8.58	1,570.43	2,130.08	-559.65
1+219.67	0.00	0.00	3.71	56.15	1,570.43	2,186.23	-615.80
1+220.00	0.00	0.00	3.76	1.24	1,570.43	2,187.46	-617.04
1+240.00	0.00	0.00	5.16	89.03	1,570.43	2,276.49	-706.07
1+244.06	0.00	0.00	5.02	20.64	1,570.43	2,297.13	-726.71
1+260.00	0.00	0.00	3.58	68.50	1,570.43	2,365.64	-795.21
1+260.19	0.00	0.00	3.56	0.68	1,570.43	2,366.31	-795.89
1+276.32	0.00	0.00	3.49	57.00	1,570.43	2,423.31	-852.88
1+280.00	0.00	0.00	3.43	12.73	1,570.43	2,436.04	-865.61
1+300.00	0.00	0.00	2.92	63.28	1,570.43	2,499.32	-928.89
1+320.00	0.00	0.00	3.48	63.87	1,570.43	2,563.19	-992.76
1+330.32	0.00	0.00	4.37	40.46	1,570.43	2,603.66	-1,033.23
1+340.00	0.00	0.00	4.73	44.07	1,570.43	2,647.72	-1,077.30
1+360.00	0.00	0.00	3.26	79.92	1,570.43	2,727.64	-1,157.21
1+380.00	0.00	0.00	1.79	50.47	1,570.43	2,778.11	-1,207.68
1+384.31	0.00	0.00	1.68	7.48	1,570.43	2,785.59	-1,215.16
1+400.00	0.00	0.00	1.64	26.07	1,570.43	2,811.66	-1,241.23
1+401.08	0.00	0.00	1.64	1.77	1,570.43	2,813.42	-1,243.00
1+417.85	0.00	0.00	1.69	27.95	1,570.43	2,841.38	-1,270.95
1+420.00	0.00	0.00	1.69	3.65	1,570.43	2,845.02	-1,274.59
1+440.00	0.00	0.00	1.83	35.23	1,570.43	2,880.26	-1,309.83
1+454.30	0.00	0.00	2.00	27.41	1,570.43	2,907.66	-1,337.23
1+460.00	0.00	0.00	2.08	11.63	1,570.43	2,919.29	-1,348.87
1+480.00	0.00	0.00	1.81	38.83	1,570.43	2,958.13	-1,387.70
1+490.75	0.00	0.00	1.36	17.05	1,570.43	2,975.17	-1,404.74
1+500.00	0.00	0.00	1.68	14.05	1,570.43	2,989.22	-1,418.79
1+502.90	0.00	0.00	1.42	4.49	1,570.43	2,993.71	-1,423.28
1+515.05	0.00	0.00	0.66	12.58	1,570.43	3,006.30	-1,435.87
1+520.00	0.00	0.00	0.50	2.87	1,570.43	3,009.16	-1,438.74
1+540.00	0.00	0.00	0.94	14.40	1,570.43	3,023.56	-1,453.13



1+560.00	0.00	0.00	1.69	26.29	1,570.43	3,049.85	-1,479.42
1+569.06	0.00	0.00	2.21	17.69	1,570.43	3,067.54	-1,497.11
1+580.00	0.00	0.00	2.53	25.89	1,570.43	3,093.43	-1,523.00
1+596.70	0.00	0.00	3.06	46.64	1,570.43	3,140.07	-1,569.65
1+600.00	0.00	0.00	3.17	10.29	1,570.43	3,150.37	-1,579.94
1+620.00	0.00	0.00	3.20	63.71	1,570.43	3,214.07	-1,643.64
1+624.33	0.00	0.00	2.99	13.42	1,570.43	3,227.49	-1,657.06
1+640.00	0.00	0.00	2.01	39.16	1,570.43	3,266.65	-1,696.22
1+641.53	0.00	0.00	1.90	2.99	1,570.43	3,269.64	-1,699.21
1+658.73	0.00	0.03	1.13	26.09	1,570.46	3,295.73	-1,725.27
1+660.00	0.00	0.00	1.09	1.41	1,570.47	3,297.15	-1,726.68
1+680.00	0.00	0.03	1.40	24.88	1,570.50	3,322.03	-1,751.53
1+700.00	0.00	0.00	2.79	41.85	1,570.50	3,363.88	-1,793.38
1+720.00	0.00	0.00	4.12	69.04	1,570.50	3,432.93	-1,862.43
1+740.00	0.00	0.00	3.66	77.78	1,570.50	3,510.70	-1,940.20
1+740.09	0.00	0.00	3.65	0.33	1,570.50	3,511.04	-1,940.54
1+760.00	0.00	0.00	2.04	55.69	1,570.50	3,566.73	-1,996.23
1+761.45	0.00	0.00	2.09	2.97	1,570.50	3,569.69	-1,999.19
1+780.00	0.46	3.94	1.27	30.68	1,574.44	3,600.37	-2,025.93
1+782.82	0.19	0.84	1.61	3.93	1,575.28	3,604.30	-2,029.02
1+800.00	0.00	1.59	4.57	53.05	1,576.87	3,657.35	-2,080.48
1+817.71	0.00	0.00	4.48	80.09	1,576.87	3,737.44	-2,160.57
1+820.00	0.00	0.00	4.41	10.18	1,576.87	3,747.62	-2,170.75
1+840.00	0.00	0.00	4.51	89.23	1,576.87	3,836.85	-2,259.98
1+852.60	0.00	0.00	4.49	56.70	1,576.87	3,893.55	-2,316.68
1+860.00	0.00	0.00	4.67	33.79	1,576.87	3,927.34	-2,350.47
1+863.52	0.00	0.00	4.45	16.04	1,576.87	3,943.38	-2,366.51
1+874.44	0.00	0.00	4.47	48.61	1,576.87	3,991.98	-2,415.12
1+880.00	0.00	0.00	4.49	24.89	1,576.87	4,016.87	-2,440.01
1+900.00	0.00	0.00	4.65	91.31	1,576.87	4,108.18	-2,531.32
1+905.06	0.00	0.00	4.66	23.51	1,576.87	4,131.69	-2,554.83
1+920.00	0.00	0.00	4.53	68.60	1,576.87	4,200.29	-2,623.42
1+935.67	0.00	0.00	3.20	60.54	1,576.87	4,260.83	-2,683.96
1+940.00	0.00	0.00	2.80	12.98	1,576.87	4,273.81	-2,696.95
1+956.28	0.06	0.47	1.20	32.55	1,577.34	4,306.37	-2,729.03
1+960.00	0.07	0.23	1.01	4.10	1,577.57	4,310.47	-2,732.90
1+976.89	0.06	1.03	0.61	13.72	1,578.60	4,324.18	-2,745.58
1+980.00	0.05	0.16	0.62	1.92	1,578.76	4,326.10	-2,747.34
1+997.88	0.01	0.52	1.19	16.16	1,579.28	4,342.26	-2,762.99
2+000.00	0.01	0.02	1.27	2.62	1,579.30	4,344.88	-2,765.58
2+018.87	0.04	0.47	1.10	22.33	1,579.77	4,367.21	-2,787.44
2+020.00	0.03	0.04	1.12	1.26	1,579.81	4,368.46	-2,788.65
2+040.00	0.00	0.33	1.77	28.74	1,580.13	4,397.20	-2,817.06
2+046.43	0.00	0.00	1.86	11.62	1,580.13	4,408.81	-2,828.68
2+060.00	0.00	0.00	3.92	38.91	1,580.13	4,447.73	-2,867.59
2+074.00	0.00	0.00	4.07	55.46	1,580.13	4,503.19	-2,923.06



2+080.00	0.00	0.00	3.93	24.13	1,580.13	4,527.32	-2,947.19
2+097.07	0.00	0.00	3.36	62.42	1,580.13	4,589.74	-3,009.60
2+100.00	0.00	0.00	3.41	9.90	1,580.13	4,599.64	-3,019.51
2+120.00	0.00	0.00	3.03	64.31	1,580.13	4,663.95	-3,083.81
2+120.14	0.00	0.00	3.03	0.42	1,580.13	4,664.37	-3,084.24
2+128.21	0.00	0.00	2.89	23.86	1,580.13	4,688.23	-3,108.09
2+140.00	0.00	0.00	2.33	30.76	1,580.13	4,718.99	-3,138.86
2+160.00	0.00	0.00	2.17	45.00	1,580.13	4,763.99	-3,183.86
2+167.62	0.00	0.00	2.01	15.93	1,580.13	4,779.91	-3,199.78
2+180.00	0.00	0.00	1.81	23.64	1,580.13	4,803.56	-3,223.42
2+200.00	0.00	0.00	1.64	34.41	1,580.13	4,837.97	-3,257.84
2+207.03	0.00	0.00	2.37	14.09	1,580.13	4,852.06	-3,271.93
2+213.02	0.00	0.00	2.84	15.53	1,580.13	4,867.60	-3,287.46
2+219.02	0.00	0.00	1.09	11.75	1,580.13	4,879.35	-3,299.21
2+220.00	0.00	0.00	0.68	0.86	1,580.13	4,880.20	-3,300.07
2+226.23	0.32	1.08	0.28	2.88	1,581.21	4,883.08	-3,301.87
2+233.45	0.28	2.35	0.13	1.39	1,583.56	4,884.47	-3,300.92
2+240.00	0.62	2.90	0.05	0.60	1,586.46	4,885.08	-3,298.62
2+247.66	0.10	2.72	0.39	1.71	1,589.18	4,886.79	-3,297.61
2+260.00	0.04	0.82	1.04	9.04	1,590.00	4,895.83	-3,305.83
2+261.87	0.06	0.08	1.11	2.06	1,590.08	4,897.89	-3,307.80
2+280.00	0.01	0.59	1.18	20.73	1,590.68	4,918.61	-3,327.94
2+300.00	0.16	1.73	0.13	13.04	1,592.41	4,931.65	-3,339.24
2+320.00	0.54	7.06	0.04	1.66	1,599.47	4,933.31	-3,333.84
2+320.96	0.56	0.53	0.04	0.04	1,600.00	4,933.35	-3,333.35
2+340.00	1.55	20.10	0.02	0.54	1,620.10	4,933.89	-3,313.78
2+360.00	2.42	39.83	0.00	0.15	1,659.94	4,934.03	-3,274.10
2+360.56	2.46	1.37	0.00	0.00	1,661.30	4,934.03	-3,272.73
2+380.00	3.11	54.29	0.00	0.00	1,715.59	4,934.03	-3,218.44
2+400.00	3.05	61.86	0.00	0.00	1,777.45	4,934.04	-3,156.58
2+400.16	3.05	0.47	0.00	0.00	1,777.93	4,934.04	-3,156.11
2+400.52	3.05	1.17	0.00	0.00	1,779.10	4,934.04	-3,154.94
2+400.89	3.05	1.12	0.00	0.00	1,780.22	4,934.04	-3,153.81





## NOTA DE SERVIÇO

Lado Esquerdo			Eixo						Lado Direito		
Bordo - topo do pavimento			Estaca	Pontos Notáveis da Geometria Horizontal	Pontos Notáveis da Geometria Vertical	Cota Projeto	Cota Terreno	Cota Vermelha	Bordo - topo do pavimento		
Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)
-3.500	6.864	-2.50	0+0.000		PCV	6.951	6.951	0.000	3.500	6.864	-2.50
-3.500	6.295	-2.50	1+0.000			6.383	6.189	0.194	3.500	6.295	-2.50
-3.500	5.909	-2.50	2+0.000			5.997	5.803	0.193	3.500	5.909	-2.50
-3.500	5.705	-2.50	3+0.000		PTV	5.793	5.613	0.179	3.500	5.705	-2.50
-3.500	5.648	-2.50	4+0.000			5.735	5.525	0.210	3.500	5.648	-2.50
-3.500	5.603	-2.50	5+0.000		PCV	5.690	5.375	0.315	3.500	5.603	-2.50
-3.500	5.560	-2.50	6+0.000			5.647	5.327	0.320	3.500	5.560	-2.50
-3.500	5.525	-2.50	7+0.000			5.612	5.309	0.303	3.500	5.525	-2.50
-3.500	5.498	-2.50	8+0.000			5.585	5.218	0.367	3.500	5.498	-2.50
-3.500	5.479	-2.50	9+0.000			5.566	5.376	0.191	3.500	5.479	-2.50
-3.500	5.468	-2.50	10+0.000			5.555	5.419	0.137	3.500	5.468	-2.50
-3.500	5.465	-2.50	11+0.000			5.552	5.480	0.073	3.500	5.465	-2.50
-3.500	5.466	-2.50	11+9.568	PC		5.554	5.593	-0.039	3.500	5.466	-2.50
-3.500	5.470	-2.50	12+0.000			5.557	5.639	-0.082	3.500	5.470	-2.50
-3.500	5.483	-2.50	13+0.000			5.570	5.564	0.007	3.500	5.483	-2.50
-3.500	5.504	-2.50	14+0.000			5.591	5.701	-0.109	3.500	5.504	-2.50
-3.500	5.518	-2.50	14+10.256			5.605	5.772	-0.166	3.500	5.518	-2.50
-3.500	5.533	-2.50	15+0.000		PTV	5.621	5.809	-0.188	3.500	5.533	-2.50
-3.500	5.568	-2.50	16+0.000			5.655	5.710	-0.054	3.500	5.568	-2.50
-3.500	5.603	-2.50	17+0.000			5.691	5.604	0.087	3.500	5.603	-2.50
-3.500	5.622	-2.50	17+10.943	PCR		5.710	5.578	0.131	3.500	5.622	-2.50
-3.500	5.638	-2.50	18+0.000			5.726	5.564	0.161	3.500	5.638	-2.50



ESTADO DE SANTA CATARINA  
MUNICÍPIO DE TIJUCAS  
SECRETARIA DE PLANEJAMENTO



-3.500	5.673	-2.50	19+0.000		PCV	5.761	5.523	0.238	3.500	5.673	-2.50
-3.500	5.713	-2.50	20+0.000			5.801	5.545	0.255	3.500	5.713	-2.50
-3.500	5.745	-2.50	20+12.074			5.833	5.601	0.232	3.500	5.745	-2.50
-3.500	5.770	-2.50	21+0.000			5.858	5.652	0.206	3.500	5.770	-2.50
-3.500	5.845	-2.50	22+0.000			5.932	5.629	0.303	3.500	5.845	-2.50
-3.500	5.937	-2.50	23+0.000			6.025	5.661	0.363	3.500	5.937	-2.50
-3.500	6.008	-2.50	23+13.205	PCR		6.096	5.641	0.454	3.500	6.008	-2.50
-3.500	6.048	-2.50	24+0.000		PTV	6.135	5.636	0.499	3.500	6.048	-2.50
-3.500	6.146	-2.50	24+15.696			6.234	5.692	0.541	3.500	6.146	-2.50
-3.500	6.174	-2.50	25+0.000		PCV	6.261	5.764	0.497	3.500	6.174	-2.50
-3.500	6.294	-2.50	25+18.188	PCC		6.382	5.923	0.459	3.500	6.294	-2.50
-3.500	6.313	-2.50	26+0.000			6.400	5.915	0.485	3.500	6.313	-2.50
-3.500	6.747	-2.50	27+0.000			6.835	6.118	0.717	3.500	6.747	-2.50
-3.500	6.974	-2.50	27+6.352		PTV	7.061	6.338	0.723	3.500	6.974	-2.50
-3.500	7.604	-2.50	28+0.000			7.692	7.048	0.644	3.500	7.604	-2.50
-3.471	8.362	-2.50	28+14.517	PCR		8.449	8.361	0.089	3.483	8.362	-2.50
-3.471	8.648	-2.50	29+0.000			8.735	8.828	-0.093	3.483	8.648	-2.50
-3.201	8.721	-2.50	29+1.254			8.801	8.907	-0.106	3.199	8.721	-2.50
-2.983	9.078	-2.50	29+7.991	PCC		9.152	9.240	-0.088	2.960	9.078	-2.50
-2.672	9.238	-2.50	29+10.927			9.305	9.329	-0.024	2.798	9.235	-2.50
-2.084	9.323	-2.50	29+13.863	PT		9.375	9.379	-0.004	2.627	9.310	-2.50
-2.084	9.321	-2.50	30+0.000			9.373	9.396	-0.023	2.627	9.308	-2.50
-2.084	9.315	-2.50	31+0.000			9.367	9.378	-0.010	2.627	9.302	-2.50
-2.084	9.309	-2.50	32+0.000			9.361	9.359	0.003	2.627	9.296	-2.50
-2.084	9.303	-2.50	33+0.000		PTV	9.355	9.353	0.003	2.627	9.290	-2.50
-2.084	9.113	-2.50	34+0.000		PCV	9.165	9.119	0.046	2.627	9.100	-2.50
-2.863	8.897	-2.50	34+4.637	PC		8.969	8.886	0.083	3.500	8.881	-2.50
-3.202	8.720	-2.50	34+8.745			8.800	8.688	0.112	3.500	8.712	-2.50
-3.475	8.549	-2.50	34+12.853	PCC		8.636	8.463	0.173	3.500	8.549	-2.50



ESTADO DE SANTA CATARINA  
MUNICÍPIO DE TIJUCAS  
SECRETARIA DE PLANEJAMENTO



-3.501	8.402	-2.50	34+16.640			8.490	8.264	0.226	3.500	8.402	-2.50
-3.501	8.276	-2.50	35+0.000			8.364	8.134	0.230	3.500	8.276	-2.50
-3.500	8.261	-2.50	35+0.427	PT		8.348	8.110	0.238	3.500	8.261	-2.50
-3.500	7.601	-2.50	36+0.000			7.689	7.498	0.191	3.500	7.601	-2.50
-3.500	7.054	-2.50	37+0.000			7.141	6.978	0.163	3.500	7.054	-2.50
-3.500	6.634	-2.50	38+0.000			6.721	6.696	0.026	3.500	6.634	-2.50
-3.500	6.579	-2.50	38+3.182	PC		6.666	6.643	0.023	3.500	6.579	-2.50
-3.500	6.341	-2.50	39+0.000			6.429	6.417	0.012	3.500	6.341	-2.50
-3.500	6.179	-2.50	39+19.368			6.267	6.301	-0.034	3.500	6.179	-2.50
-3.500	6.176	-2.50	40+0.000		PTV	6.263	6.297	-0.034	3.500	6.176	-2.50
-3.500	6.113	-2.50	41+0.000		PCV	6.201	6.269	-0.068	3.500	6.113	-2.50
-3.500	6.074	-2.50	41+15.553	PT		6.161	6.177	-0.016	3.500	6.074	-2.50
-3.500	6.068	-2.50	42+0.000			6.156	6.150	0.006	3.500	6.068	-2.50
-3.500	6.099	-2.50	43+0.000			6.187	6.089	0.098	3.500	6.099	-2.50
-3.500	6.221	-2.50	44+0.000		PTV	6.309	6.045	0.264	3.500	6.221	-2.50
-3.500	6.408	-2.50	45+0.000			6.496	5.966	0.530	3.500	6.408	-2.50
-3.500	6.598	-2.50	46+0.000			6.686	5.892	0.794	3.500	6.598	-2.50
-3.500	6.789	-2.50	47+0.000			6.876	5.986	0.890	3.500	6.789	-2.50
-3.500	6.811	-2.50	47+2.390	PC		6.899	6.003	0.895	3.500	6.811	-2.50
-3.500	6.920	-2.50	47+13.869			7.008	5.968	1.040	3.500	6.920	-2.50
-3.500	6.979	-2.50	48+0.000		PCV	7.066	6.009	1.058	3.500	6.979	-2.50
-3.500	7.029	-2.50	48+5.349	PCC		7.116	6.101	1.015	3.500	7.029	-2.50
-3.500	7.116	-2.50	48+15.711			7.204	6.325	0.879	3.500	7.116	-2.50
-3.500	7.149	-2.50	49+0.000			7.236	6.462	0.774	3.500	7.149	-2.50
-3.500	7.190	-2.50	49+6.074	PCR		7.278	6.701	0.577	3.500	7.190	-2.50
-3.500	7.269	-2.50	50+0.000			7.356	6.861	0.495	3.500	7.269	-2.50
-3.500	7.275	-2.50	50+1.398			7.363	6.852	0.511	3.500	7.275	-2.50
-3.500	7.331	-2.50	50+16.722	PCR		7.419	6.819	0.599	3.500	7.331	-2.50
-3.500	7.339	-2.50	51+0.000			7.427	6.790	0.636	3.500	7.339	-2.50



ESTADO DE SANTA CATARINA  
MUNICÍPIO DE TIJUCAS  
SECRETARIA DE PLANEJAMENTO



-3.500	7.360	-2.50	52+0.000			7.447	6.601	0.847	3.500	7.360	-2.50
-3.500	7.353	-2.50	52+8.270		PTV	7.441	6.476	0.965	3.500	7.353	-2.50
-3.500	7.337	-2.50	53+0.000			7.425	6.529	0.896	3.500	7.337	-2.50
-3.500	7.310	-2.50	53+19.818	PT		7.397	6.575	0.822	3.500	7.310	-2.50
-3.500	7.310	-2.50	54+0.000			7.397	6.574	0.823	3.500	7.310	-2.50
-3.500	7.282	-2.50	55+0.000			7.369	6.626	0.744	3.500	7.282	-2.50
-3.500	7.254	-2.50	56+0.000			7.342	6.632	0.710	3.500	7.254	-2.50
-3.500	7.227	-2.50	57+0.000		PCV	7.314	6.602	0.712	3.500	7.227	-2.50
-3.500	7.199	-2.50	58+0.000			7.286	6.598	0.688	3.500	7.199	-2.50
-3.500	7.171	-2.50	59+0.000			7.259	6.620	0.639	3.500	7.171	-2.50
-3.500	7.150	-2.50	59+15.276	PC		7.237	6.630	0.607	3.500	7.150	-2.50
-3.500	7.143	-2.50	60+0.000			7.231	6.578	0.653	3.500	7.143	-2.50
-3.500	7.116	-2.50	60+19.668			7.203	6.353	0.850	3.500	7.116	-2.50
-3.500	7.115	-2.50	61+0.000			7.203	6.349	0.854	3.500	7.115	-2.50
-3.500	7.087	-2.50	62+0.000			7.175	6.138	1.037	3.500	7.087	-2.50
-3.500	7.082	-2.50	62+4.061	PCC	PTV	7.169	6.128	1.041	3.500	7.082	-2.50
-3.500	7.059	-2.50	63+0.000			7.147	6.312	0.835	3.500	7.059	-2.50
-3.500	7.059	-2.50	63+0.191		PCV	7.147	6.314	0.833	3.500	7.059	-2.50
-3.500	7.035	-2.50	63+16.321	PCR		7.122	6.428	0.694	3.500	7.035	-2.50
-3.500	7.028	-2.50	64+0.000			7.116	6.407	0.709	3.500	7.028	-2.50
-3.500	6.988	-2.50	65+0.000			7.075	6.461	0.615	3.500	6.988	-2.50
-3.500	6.939	-2.50	66+0.000			7.026	6.223	0.803	3.500	6.939	-2.50
-3.500	6.910	-2.50	66+10.316			6.997	6.089	0.908	3.500	6.910	-2.50
-3.500	6.880	-2.50	67+0.000		PTV	6.968	5.960	1.008	3.500	6.880	-2.50
-3.500	6.816	-2.50	68+0.000			6.904	6.055	0.849	3.500	6.816	-2.50
-3.500	6.752	-2.50	69+0.000			6.839	6.236	0.603	3.500	6.752	-2.50
-3.500	6.738	-2.50	69+4.311	PCR		6.826	6.268	0.557	3.500	6.738	-2.50
-3.500	6.688	-2.50	70+0.000			6.775	6.214	0.561	3.500	6.688	-2.50
-3.500	6.684	-2.50	70+1.079			6.772	6.209	0.563	3.500	6.684	-2.50



ESTADO DE SANTA CATARINA  
MUNICÍPIO DE TIJUCAS  
SECRETARIA DE PLANEJAMENTO



-3.500	6.630	-2.50	70+17.847	PCR		6.718	6.116	0.602	3.500	6.630	-2.50
-3.500	6.623	-2.50	71+0.000			6.711	6.110	0.601	3.500	6.623	-2.50
-3.500	6.559	-2.50	72+0.000			6.646	6.033	0.614	3.500	6.559	-2.50
-3.500	6.513	-2.50	72+14.297			6.601	5.961	0.640	3.500	6.513	-2.50
-3.500	6.495	-2.50	73+0.000		PCV	6.582	5.923	0.659	3.500	6.495	-2.50
-3.500	6.432	-2.50	74+0.000			6.519	5.897	0.622	3.500	6.432	-2.50
-3.500	6.409	-2.50	74+10.748	PCC		6.496	5.959	0.538	3.500	6.409	-2.50
-3.500	6.399	-2.50	75+0.000			6.487	5.864	0.622	3.500	6.399	-2.50
-3.500	6.398	-2.50	75+2.901			6.486	5.883	0.603	3.500	6.398	-2.50
-3.500	6.403	-2.50	75+15.055	PT	PTV	6.491	6.034	0.457	3.500	6.403	-2.50
-3.500	6.410	-2.50	76+0.000			6.498	6.113	0.385	3.500	6.410	-2.50
-3.500	6.442	-2.50	77+0.000			6.530	6.081	0.449	3.500	6.442	-2.50
-3.500	6.474	-2.50	78+0.000			6.562	5.976	0.586	3.500	6.474	-2.50
-3.500	6.489	-2.50	78+9.061	PC		6.576	5.920	0.656	3.500	6.489	-2.50
-3.500	6.506	-2.50	79+0.000			6.594	5.899	0.695	3.500	6.506	-2.50
-3.500	6.533	-2.50	79+16.697		PCV	6.621	5.855	0.766	3.500	6.533	-2.50
-3.500	6.538	-2.50	80+0.000			6.626	5.846	0.780	3.500	6.538	-2.50
-3.500	6.577	-2.50	81+0.000			6.665	5.865	0.800	3.500	6.577	-2.50
-3.500	6.587	-2.50	81+4.332	PCR		6.675	5.921	0.754	3.500	6.587	-2.50
-3.500	6.629	-2.50	82+0.000			6.716	6.076	0.640	3.500	6.629	-2.50
-3.500	6.633	-2.50	82+1.529			6.721	6.093	0.628	3.500	6.633	-2.50
-3.500	6.689	-2.50	82+18.727	PT		6.777	6.269	0.507	3.500	6.689	-2.50
-3.500	6.694	-2.50	83+0.000			6.781	6.282	0.499	3.500	6.694	-2.50
-3.500	6.771	-2.50	84+0.000			6.859	6.358	0.501	3.500	6.771	-2.50
-3.500	6.862	-2.50	85+0.000		PCV	6.949	6.280	0.669	3.500	6.862	-2.50
-3.500	6.950	-2.50	86+0.000			7.038	6.201	0.836	3.500	6.950	-2.50
-3.500	7.004	-2.50	87+0.000			7.091	6.330	0.762	3.500	7.004	-2.50
-3.500	7.004	-2.50	87+0.091	PC		7.091	6.332	0.760	3.500	7.004	-2.50
-3.500	7.020	-2.50	88+0.000			7.108	6.514	0.594	3.500	7.020	-2.50



ESTADO DE SANTA CATARINA  
MUNICÍPIO DE TIJUCAS  
SECRETARIA DE PLANEJAMENTO



-3.500	7.020	-2.50	88+1.453			7.108	6.518	0.589	3.500	7.020	-2.50
-3.500	7.000	-2.50	89+0.000			7.088	6.583	0.505	3.500	7.000	-2.50
-3.500	6.994	-2.50	89+2.815	PCC	PTV	7.082	6.606	0.475	3.500	6.994	-2.50
-3.500	6.950	-2.50	90+0.000			7.038	6.063	0.974	3.500	6.950	-2.50
-3.500	6.904	-2.50	90+17.710			6.992	6.048	0.944	3.500	6.904	-2.50
-3.500	6.898	-2.50	91+0.000			6.986	6.046	0.940	3.500	6.898	-2.50
-3.500	6.846	-2.50	92+0.000			6.933	5.997	0.936	3.500	6.846	-2.50
-3.500	6.813	-2.50	92+12.604	PCR		6.901	6.017	0.883	3.500	6.813	-2.50
-3.500	6.794	-2.50	93+0.000			6.881	5.916	0.965	3.500	6.794	-2.50
-3.500	6.785	-2.50	93+3.522			6.872	5.918	0.954	3.500	6.785	-2.50
-3.500	6.756	-2.50	93+14.440	PCC		6.844	5.897	0.947	3.500	6.756	-2.50
-3.500	6.742	-2.50	94+0.000		PCV	6.829	5.874	0.955	3.500	6.742	-2.50
-3.500	6.689	-2.50	95+0.000			6.776	5.774	1.002	3.500	6.689	-2.50
-3.500	6.675	-2.50	95+5.057			6.763	5.758	1.005	3.500	6.675	-2.50
-3.500	6.634	-2.50	96+0.000			6.722	5.763	0.959	3.500	6.634	-2.50
-3.500	6.591	-2.50	96+15.673	PCR		6.678	5.970	0.708	3.500	6.591	-2.50
-3.500	6.579	-2.50	97+0.000			6.666	6.031	0.635	3.500	6.579	-2.50
-3.500	6.532	-2.50	97+16.282			6.619	6.239	0.380	3.500	6.532	-2.50
-3.500	6.521	-2.50	98+0.000			6.608	6.259	0.349	3.500	6.521	-2.50
-3.500	6.471	-2.50	98+16.891	PCC		6.558	6.120	0.438	3.500	6.471	-2.50
-3.500	6.462	-2.50	99+0.000			6.549	6.093	0.456	3.500	6.462	-2.50
-3.500	6.407	-2.50	99+17.879		PTV	6.495	5.930	0.564	3.500	6.407	-2.50
-3.500	6.401	-2.50	100+0.000		PCV	6.488	5.919	0.569	3.500	6.401	-2.50
-3.500	6.343	-2.50	100+18.867	PCC		6.430	5.894	0.536	3.500	6.343	-2.50
-3.500	6.339	-2.50	101+0.000			6.427	5.888	0.538	3.500	6.339	-2.50
-3.500	6.278	-2.50	102+0.000			6.366	5.735	0.630	3.500	6.278	-2.50
-3.500	6.259	-2.50	102+6.432			6.346	5.723	0.624	3.500	6.259	-2.50
-3.500	6.219	-2.50	103+0.000			6.306	5.606	0.700	3.500	6.219	-2.50
-3.500	6.178	-2.50	103+13.998	PCR		6.265	5.519	0.747	3.500	6.178	-2.50



ESTADO DE SANTA CATARINA  
MUNICÍPIO DE TIJUCAS  
SECRETARIA DE PLANEJAMENTO



-3.500	6.160	-2.50	104+0.000			6.248	5.484	0.764	3.500	6.160	-2.50
-3.500	6.112	-2.50	104+17.068			6.199	5.394	0.806	3.500	6.112	-2.50
-3.500	6.103	-2.50	105+0.000			6.191	5.378	0.813	3.500	6.103	-2.50
-3.500	6.048	-2.50	106+0.000			6.135	5.357	0.779	3.500	6.048	-2.50
-3.500	6.047	-2.50	106+0.139	PT		6.135	5.357	0.778	3.500	6.047	-2.50
-3.500	6.025	-2.50	106+8.209	PC		6.113	5.367	0.746	3.500	6.025	-2.50
-3.500	5.994	-2.50	107+0.000			6.081	5.415	0.666	3.500	5.994	-2.50
-3.500	5.941	-2.50	108+0.000			6.028	5.400	0.628	3.500	5.941	-2.50
-3.500	5.921	-2.50	108+7.619			6.008	5.415	0.593	3.500	5.921	-2.50
-3.500	5.889	-2.50	109+0.000			5.976	5.438	0.539	3.500	5.889	-2.50
-3.500	5.839	-2.50	110+0.000			5.926	5.325	0.601	3.500	5.839	-2.50
-3.500	5.821	-2.50	110+7.029	PCC		5.909	5.228	0.681	3.500	5.821	-2.50
-3.500	5.807	-2.50	110+13.022		PCV	5.894	5.138	0.756	3.500	5.807	-2.50
-3.500	5.792	-2.50	110+19.016	PCC		5.879	5.416	0.464	3.500	5.792	-2.50
-3.500	5.790	-2.50	111+0.000			5.877	5.456	0.421	3.500	5.790	-2.50
-3.500	5.774	-2.50	111+6.232			5.862	5.578	0.284	3.500	5.774	-2.50
-3.500	5.756	-2.50	111+13.447	PCR		5.843	5.462	0.381	3.500	5.756	-2.50
-3.500	5.738	-2.50	112+0.000			5.826	5.520	0.306	3.500	5.738	-2.50
-3.500	5.718	-2.50	112+7.656			5.805	5.388	0.417	3.500	5.718	-2.50
-3.500	5.683	-2.50	113+0.000			5.770	5.258	0.512	3.500	5.683	-2.50
-3.500	5.677	-2.50	113+1.865	PT		5.765	5.248	0.516	3.500	5.677	-2.50
-3.500	5.623	-2.50	114+0.000			5.710	5.191	0.519	3.500	5.623	-2.50
-3.500	5.558	-2.50	115+0.000			5.645	5.269	0.377	3.500	5.558	-2.50
-3.500	5.488	-2.50	116+0.000			5.576	5.247	0.329	3.500	5.488	-2.50
-3.500	5.485	-2.50	116+0.964	PC	PTV	5.573	5.248	0.324	3.500	5.485	-2.50
-3.500	5.415	-2.50	117+0.000			5.503	5.328	0.175	3.500	5.415	-2.50
-3.500	5.342	-2.50	118+0.000			5.429	5.386	0.044	3.500	5.342	-2.50
-3.500	5.340	-2.50	118+0.560			5.427	5.388	0.039	3.500	5.340	-2.50
-3.500	5.268	-2.50	119+0.000			5.355	5.407	-0.051	3.500	5.268	-2.50



-3.500	5.194	-2.50	120+0.000			5.282	5.291	-0.009	3.500	5.194	-2.50
-3.500	5.194	-2.50	120+0.155	PCC		5.281	5.289	-0.007	3.500	5.194	-2.50
-3.500	5.192	-2.50	120+0.524			5.280	5.284	-0.004	3.500	5.192	-2.50
-3.500	5.191	-2.50	120+0.893			5.279	5.278	0.000	3.500	5.191	-2.50