



QUADRO DE CUBAÇÃO

TRECHO: SEDE À LOC. DE CARNAUBINHA
 Estaca Inicial: 0+0.000
 Estaca Final: 729+15.925

Estaca	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)
34+0.000	10.00	0.00	0.00	0.00	0.47	0.00	182.08
35+0.000	10.00	0.00	0.00	0.00	0.00	0.00	182.08
36+0.000	10.00	0.00	0.00	0.00	0.00	0.00	182.08
36+5.080	2.54	0.00	0.00	0.00	0.00	0.00	182.08
36+10.935	2.93	0.00	0.00	0.00	0.00	0.00	182.08
36+16.790	2.93	0.00	0.00	0.02	0.07	0.00	182.14
37+0.000	1.61	0.00	0.00	0.10	0.19	0.00	182.34
38+0.000	10.00	0.00	0.00	0.47	5.73	0.00	188.07
39+0.000	10.00	0.00	0.00	0.51	9.79	0.00	197.85
40+0.000	10.00	0.00	0.00	1.17	16.77	0.00	214.62
41+0.000	10.00	0.00	0.00	2.19	33.58	0.00	248.20
41+13.001	6.50	0.00	0.00	2.27	29.00	0.00	277.20
41+16.101	1.55	0.00	0.00	2.29	7.09	0.00	284.29
41+19.202	1.55	0.00	0.00	2.28	7.11	0.00	291.40
42+0.000	0.40	0.00	0.00	2.28	1.82	0.00	293.23
42+19.734	9.87	0.00	0.00	2.15	43.68	0.00	336.91
43+0.000	0.13	0.00	0.00	2.15	0.57	0.00	337.48
43+4.630	2.32	0.00	0.00	2.12	9.84	0.00	347.32
43+9.527	2.45	0.00	0.00	2.04	10.15	0.00	357.47
44+0.000	5.24	0.00	0.00	1.87	20.48	0.00	377.95
45+0.000	10.00	0.00	0.00	1.26	31.37	0.00	409.31
45+3.973	1.99	0.00	0.00	1.11	4.72	0.00	414.03
45+9.440	2.73	0.00	0.00	0.91	5.51	0.00	419.54
45+14.908	2.73	0.00	0.00	0.49	3.81	0.00	423.35
46+0.000	2.55	0.00	0.00	0.08	1.45	0.00	424.80
46+9.904	4.95	0.00	0.00	0.00	0.38	0.00	425.18
46+13.783	1.94	0.00	0.00	0.00	0.00	0.00	425.18
46+17.662	1.94	0.00	0.00	0.38	0.74	0.00	425.92
47+0.000	1.17	0.00	0.00	0.38	0.89	0.00	426.81
48+0.000	10.00	0.00	0.00	0.90	12.76	0.00	439.57
49+0.000	10.00	0.00	0.00	0.46	13.59	0.00	453.16
50+0.000	10.00	0.00	0.00	0.88	13.43	0.00	466.59
50+3.063	1.53	0.00	0.00	0.97	2.84	0.00	469.43
50+6.168	1.55	0.00	0.00	1.07	3.17	0.00	472.61
50+9.274	1.55	0.00	0.00	1.09	3.35	0.00	475.96
51+0.000	5.36	0.00	0.00	0.90	10.68	0.00	486.63
52+0.000	10.00	0.00	0.00	0.40	13.03	0.00	499.66
53+0.000	10.00	0.00	0.00	0.34	7.43	0.00	507.10
54+0.000	10.00	0.00	0.00	1.11	14.53	0.00	521.63
54+13.094	6.55	0.00	0.00	1.03	14.02	0.00	535.64
54+18.345	2.63	0.00	0.00	0.99	5.30	0.00	540.94
55+0.000	0.83	0.00	0.00	0.80	1.48	0.00	542.42
55+3.596	1.80	0.00	0.00	0.33	2.04	0.00	544.46
55+13.472	4.94	0.00	0.00	0.13	2.30	0.00	546.76
55+19.981	3.25	0.00	0.00	0.16	0.95	0.00	547.72
56+0.000	0.01	0.00	0.00	0.16	0.00	0.00	547.72
56+6.490	3.24	0.00	0.00	0.00	0.51	0.00	548.23
56+18.549	6.03	0.00	0.00	0.21	1.27	0.00	549.50
57+0.000	0.73	0.00	0.00	0.48	0.49	0.00	549.99
57+1.968	0.98	0.00	0.00	0.81	1.25	0.00	551.24
57+5.388	1.71	0.00	0.00	0.94	2.96	0.00	554.20
58+0.000	7.31	0.00	0.00	1.05	14.56	0.00	568.77
59+0.000	10.00	0.00	0.00	1.37	24.18	0.00	592.94
59+5.170	2.59	0.00	0.00	1.33	6.97	0.00	599.91
59+6.926	0.88	0.00	0.00	1.39	2.36	0.00	602.27
59+8.682	0.88	0.00	0.00	1.51	2.52	0.00	604.79
60+0.000	5.66	0.00	0.00	2.51	22.72	0.00	627.52
61+0.000	10.00	0.00	0.00	3.45	59.60	0.00	687.12
61+8.664	4.33	0.00	0.00	1.10	19.74	0.00	706.86
61+10.002	0.67	0.00	0.00	0.56	1.14	0.00	708.00
61+11.339	0.67	0.00	0.00	1.27	1.25	0.00	709.25
62+0.000	4.33	0.00	0.00	1.85	13.50	0.00	722.74
63+0.000	10.00	0.00	0.00	0.13	19.78	0.00	742.52
64+0.000	10.00	0.00	0.00	3.69	38.25	0.00	780.78
65+0.000	10.00	0.00	0.00	4.25	79.46	0.00	860.24
65+18.915	9.46	0.00	0.00	1.84	57.65	0.00	917.89
66+0.000	0.54	0.00	0.00	1.95	2.09	0.00	919.98
66+4.217	2.11	0.00	0.00	1.66	7.73	0.00	927.70
66+9.519	2.65	0.00	0.00	1.02	7.22	0.00	934.93
67+0.000	5.24	0.00	0.00	1.44	12.88	0.00	947.81


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QUADRO DE CUBAÇÃO



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Estaca Inicial: 0+0.000

Estaca Final: 729+15.925

Estaca	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)
68+0.000	10.00	0.00	0.00	1.12	25.62	0.00	973.43
69+0.000	10.00	0.00	0.00	0.48	16.03	0.00	989.46
70+0.000	10.00	0.00	0.00	0.03	5.05	0.00	994.50
71+0.000	10.00	0.00	0.00	0.19	2.16	0.00	996.66
72+0.000	10.00	0.00	0.00	0.14	3.33	0.00	1000.00
73+0.000	10.00	0.00	0.00	0.29	4.39	0.00	1004.38
74+0.000	10.00	0.00	0.00	0.91	12.06	0.00	1016.44
75+0.000	10.00	0.00	0.00	0.71	16.25	0.00	1032.69
76+0.000	10.00	0.00	0.00	0.43	11.48	0.00	1044.17
76+12.942	6.47	0.00	0.00	0.90	8.63	0.00	1052.80
76+16.979	2.02	0.00	0.00	0.71	3.21	0.00	1056.01
77+0.000	1.51	0.00	0.00	0.00	1.06	0.00	1057.07
77+1.016	0.51	0.00	0.00	0.00	0.00	0.00	1057.07
78+0.000	9.49	0.00	0.00	1.26	11.95	0.00	1069.02
78+17.316	8.66	0.00	0.00	0.73	17.19	0.00	1086.21
79+0.000	1.34	0.00	0.00	0.65	1.84	0.00	1088.04
79+4.450	2.23	0.00	0.00	0.51	2.58	0.00	1090.62
79+11.585	3.57	0.00	0.00	0.29	2.88	0.00	1093.50
80+0.000	4.21	0.00	0.00	0.11	1.71	0.00	1095.21
81+0.000	10.00	0.00	0.00	0.14	2.54	0.00	1097.75
82+0.000	10.00	0.00	0.00	0.26	4.05	0.00	1101.80
83+0.000	10.00	0.00	0.00	0.53	7.89	0.00	1109.69
84+0.000	10.00	0.00	0.00	0.30	8.25	0.00	1117.93
84+14.946	7.47	0.00	0.00	0.38	5.09	0.00	1123.02
85+0.000	2.53	0.00	0.00	0.40	1.97	0.00	1124.99
85+0.079	0.04	0.00	0.00	0.40	0.03	0.00	1125.02
85+5.212	2.57	0.00	0.00	0.41	2.07	0.00	1127.10
86+0.000	7.39	0.00	0.00	0.32	5.43	0.00	1132.53
87+0.000	10.00	0.00	0.00	0.19	5.11	0.00	1137.64
88+0.000	10.00	0.00	0.00	0.44	6.23	0.00	1143.87
88+18.124	9.06	0.00	0.00	0.84	11.60	0.00	1155.46
89+0.000	0.94	0.00	0.00	0.89	1.62	0.00	1157.09
89+4.021	2.01	0.00	0.00	0.99	3.77	0.00	1160.86
89+9.917	2.95	0.00	0.00	1.20	6.44	0.00	1167.30
90+0.000	5.04	0.00	0.00	1.59	14.04	0.00	1181.34
91+0.000	10.00	0.00	0.00	2.50	40.87	0.00	1222.21
92+0.000	10.00	0.00	0.00	3.12	56.21	0.00	1278.42
93+0.000	10.00	0.00	0.00	2.52	56.44	0.00	1334.86
94+0.000	10.00	0.00	0.00	3.77	62.88	0.00	1397.75
94+7.593	3.80	0.00	0.00	2.75	24.75	0.00	1422.50
94+9.316	0.86	0.00	0.00	2.66	4.67	0.00	1427.17
94+11.039	0.86	0.00	0.00	2.64	4.57	0.00	1431.74
95+0.000	4.48	0.00	0.00	2.40	22.58	0.00	1454.31
96+0.000	10.00	0.00	0.00	0.33	27.30	0.00	1481.62
97+0.000	10.00	0.00	0.00	0.63	9.60	0.00	1491.22
98+0.000	10.00	0.00	0.00	0.10	7.35	0.00	1498.57
98+6.975	3.49	0.00	0.00	0.02	0.44	0.00	1499.01
98+11.085	2.06	0.00	0.00	0.00	0.05	0.00	1499.06
98+15.196	2.06	0.00	0.00	0.00	0.00	0.00	1499.07
99+0.000	2.40	0.00	0.00	0.00	0.00	0.00	1499.07
100+0.000	10.00	0.00	0.00	0.00	0.00	0.00	1499.07
101+0.000	10.00	0.00	0.00	0.00	0.00	0.00	1499.07
102+0.000	10.00	0.00	0.00	0.00	0.00	0.00	1499.07
103+0.000	10.00	0.00	0.00	0.41	4.08	0.00	1503.16
104+0.000	10.00	0.00	0.00	0.30	7.11	0.00	1510.27
105+0.000	10.00	0.00	0.00	0.37	6.71	0.00	1516.97
106+0.000	10.00	0.00	0.00	0.43	7.97	0.00	1524.94
106+1.207	0.60	0.00	0.00	0.43	0.52	0.00	1525.46
106+2.878	0.84	0.00	0.00	0.43	0.72	0.00	1526.19
106+4.548	0.84	0.00	0.00	0.43	0.73	0.00	1526.91
107+0.000	7.73	0.00	0.00	0.56	7.68	0.00	1534.59
108+0.000	10.00	0.00	0.00	1.43	19.90	0.00	1554.49
108+17.924	8.96	0.00	0.00	1.11	22.71	0.00	1577.20
109+0.000	1.04	0.00	0.00	1.02	2.21	0.00	1579.41
109+5.481	2.74	0.00	0.00	0.81	5.02	0.00	1584.44
109+13.039	3.78	0.00	0.00	0.73	5.81	0.00	1590.25
110+0.000	3.48	0.00	0.00	0.92	5.76	0.00	1596.00
111+0.000	10.00	0.00	0.00	1.20	21.24	0.00	1617.25
112+0.000	10.00	0.00	0.00	0.95	21.49	0.00	1638.74
113+0.000	10.00	0.00	0.00	0.67	16.18	0.00	1654.92


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QUADRO DE CUBAÇÃO

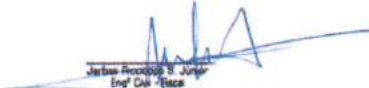
TRECHO: SEDE À LOC. DE CARNAUBINHA

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Estaca	Semi Distância (m)	Área de Corte (m²)	Volume de Corte (m³)	Área de Aterro (m²)	Volume Aterro (m³)	Vol. Acum. Corte (m³)	Vol. Acum. Aterro (m³)
114+0.000	10.00	0.00	0.00	0.35	10.23	0.00	1665.14
114+18.929	9.46	0.00	0.00	0.28	6.03	0.00	1671.17
115+0.000	0.54	0.00	0.00	0.29	0.29	0.00	1671.46
115+2.967	1.48	0.00	0.00	0.33	0.87	0.00	1672.33
115+7.009	2.02	0.00	0.00	0.46	1.51	0.00	1673.85
116+0.000	6.50	0.00	0.00	0.13	3.79	0.00	1677.64
116+0.430	0.21	0.00	0.00	0.11	0.05	0.00	1677.69
116+6.442	3.01	0.00	0.00	0.40	1.53	0.00	1679.22
116+12.454	3.01	0.00	0.00	1.84	6.74	0.00	1685.96
117+0.000	3.77	0.00	0.00	1.98	14.41	0.00	1700.37
118+0.000	10.00	0.00	0.00	1.81	37.89	0.00	1738.27
118+10.020	5.01	0.00	0.00	1.13	14.76	0.00	1753.03
118+15.239	2.61	0.00	0.00	0.76	4.97	0.00	1757.99
119+0.000	2.38	0.00	0.00	0.45	2.90	0.00	1760.89
119+0.449	0.22	0.00	0.00	0.47	0.21	0.00	1761.10
120+0.000	9.78	0.00	0.00	1.40	18.25	0.00	1779.35
121+0.000	10.00	0.00	0.00	1.73	31.31	0.00	1810.66
122+0.000	10.00	0.00	0.00	1.46	31.98	0.00	1842.64
122+8.449	4.22	0.00	0.00	1.21	11.31	0.00	1853.95
122+11.113	1.33	0.00	0.00	1.10	3.08	0.00	1857.03
122+13.778	1.33	0.00	0.00	1.03	2.84	0.00	1859.87
123+0.000	3.11	0.00	0.00	1.07	6.52	0.00	1866.39
124+0.000	10.00	0.00	0.00	0.00	10.67	0.00	1877.06
125+0.000	10.00	0.00	0.00	0.00	0.00	0.00	1877.06
125+8.351	4.18	0.00	0.00	0.00	0.00	0.00	1877.06
125+12.187	1.92	0.00	0.00	0.00	0.00	0.00	1877.06
125+16.024	1.92	0.00	0.00	0.00	0.00	0.00	1877.06
126+0.000	1.99	0.00	0.00	0.00	0.00	0.00	1877.06
127+0.000	10.00	0.00	0.00	0.33	3.30	0.00	1880.36
128+0.000	10.00	0.00	0.00	0.68	10.11	0.00	1890.47
129+0.000	10.00	0.00	0.00	1.07	17.53	0.00	1908.00
130+0.000	10.00	0.00	0.00	1.97	30.39	0.00	1938.39
131+0.000	10.00	0.00	0.00	0.54	25.10	0.00	1963.49
132+0.000	10.00	0.00	0.00	0.04	5.79	0.00	1969.28
132+2.469	1.23	0.00	0.00	0.00	0.04	0.00	1969.32
132+4.874	1.20	0.00	0.00	0.00	0.00	0.00	1969.32
132+7.282	1.20	0.00	0.00	0.00	0.00	0.00	1969.32
133+0.000	6.36	0.00	0.00	0.00	0.00	0.00	1969.32
134+0.000	10.00	0.00	0.00	0.00	0.00	0.00	1969.32
134+13.069	6.53	0.00	0.00	0.00	0.00	0.00	1969.32
134+16.414	1.67	0.00	0.00	0.00	0.00	0.00	1969.32
134+19.764	1.67	0.00	0.00	0.00	0.00	0.00	1969.32
135+0.000	0.12	0.00	0.00	0.00	0.00	0.00	1969.32
136+0.000	10.00	0.00	0.00	0.00	0.00	0.00	1969.32
136+16.484	8.24	0.00	0.00	0.12	0.98	0.00	1970.30
137+0.000	1.76	0.00	0.00	0.35	0.82	0.00	1971.12
137+3.558	1.78	0.00	0.00	0.59	1.67	0.00	1972.79
137+10.632	3.54	0.00	0.00	0.42	3.58	0.00	1976.37
137+18.569	3.97	0.00	0.00	1.55	7.84	0.00	1984.21
138+0.000	0.72	0.00	0.00	1.93	2.51	0.00	1986.73
138+3.494	1.75	0.00	0.00	2.74	8.25	0.00	1994.98
138+8.420	2.46	0.00	0.00	3.48	15.60	0.00	2010.58
139+0.000	5.79	0.00	0.00	5.13	49.83	0.00	2060.41
139+4.026	2.01	0.00	0.00	5.16	20.71	0.00	2081.12
139+6.214	1.09	0.00	0.00	4.96	11.03	0.00	2092.15
139+8.401	1.09	0.00	0.00	4.73	10.47	0.00	2102.61
140+0.000	5.80	0.00	0.00	3.57	48.15	0.00	2150.77
141+0.000	10.00	0.00	0.00	1.60	51.75	0.00	2202.52
142+0.000	10.00	0.00	0.00	1.04	26.46	0.00	2228.98
142+14.489	7.24	0.00	0.00	2.02	22.19	0.00	2251.17
142+15.991	0.75	0.00	0.00	2.16	3.24	0.00	2254.41
142+17.497	0.75	0.00	0.00	2.30	3.43	0.00	2257.84
143+0.000	1.25	0.00	0.00	2.58	6.11	0.00	2263.95
143+14.873	7.44	0.00	0.00	3.61	46.07	0.00	2310.02
143+17.388	1.26	0.00	0.00	3.48	9.11	0.00	2319.13
143+19.902	1.26	0.00	0.00	3.81	9.45	0.00	2328.58
144+0.000	0.05	0.00	0.00	3.81	0.37	0.00	2328.95
144+17.246	8.62	0.00	0.00	0.00	32.84	0.00	2361.80
145+0.000	1.38	0.00	0.00	0.00	0.00	0.00	2361.80
145+0.132	0.07	0.00	0.00	0.00	0.00	0.00	2361.80



 Verbas Recebidas V. Junior
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QUADRO DE CUBAÇÃO



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 Estaca Inicial: 0+0.000
 Estaca Final: 729+15.925

Estaca	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)
145+3.017	1.44	0.00	0.00	0.00	0.00	0.00	2361.80
146+0.000	8.49	0.00	0.00	0.00	0.00	0.00	2361.80
147+0.000	10.00	0.00	0.00	2.06	20.63	0.00	2382.42
147+9.833	4.92	0.00	0.00	1.15	15.81	0.00	2398.23
147+10.722	0.44	0.00	0.00	1.04	0.98	0.00	2399.21
147+11.612	0.44	0.00	0.00	0.93	0.88	0.00	2400.09
148+0.000	4.19	0.00	0.00	0.00	3.88	0.00	2403.98
149+0.000	10.00	0.00	0.00	1.42	14.18	0.00	2418.15
150+0.000	10.00	0.00	0.00	1.29	27.09	0.00	2445.24
151+0.000	10.00	0.00	0.00	0.97	22.61	0.00	2467.86
151+16.551	8.28	0.00	0.00	1.67	21.82	0.00	2489.68
151+16.791	0.12	0.00	0.00	1.66	0.40	0.00	2490.08
151+17.032	0.12	0.00	0.00	1.65	0.40	0.00	2490.48
152+0.000	1.48	0.00	0.00	1.56	4.77	0.00	2495.25
153+0.000	10.00	0.00	0.00	0.61	21.77	0.00	2517.02
154+0.000	10.00	0.00	0.00	0.00	6.13	0.00	2523.16
155+0.000	10.00	0.00	0.00	0.00	0.00	0.00	2523.16
156+0.000	10.00	0.00	0.00	0.00	0.00	0.00	2523.16
157+0.000	10.00	0.00	0.00	0.31	3.13	0.00	2526.29
158+0.000	10.00	0.00	0.00	0.16	4.76	0.00	2531.05
158+8.930	4.46	0.00	0.00	0.04	0.92	0.00	2531.97
158+10.697	0.88	0.00	0.00	0.02	0.05	0.00	2532.02
158+12.464	0.88	0.00	0.00	0.00	0.02	0.00	2532.04
159+0.000	3.77	0.00	0.00	0.00	0.00	0.00	2532.04
159+11.769	5.88	0.00	0.00	0.03	0.18	0.00	2532.22
159+12.350	0.29	0.00	0.00	0.06	0.02	0.00	2532.25
159+12.931	0.29	0.00	0.00	0.11	0.05	0.00	2532.30
160+0.000	3.53	0.00	0.00	1.45	5.51	0.00	2537.81
161+0.000	10.00	0.00	0.00	3.11	45.52	0.00	2583.33
162+0.000	10.00	0.00	0.00	1.31	44.20	0.00	2627.53
163+0.000	10.00	0.00	0.00	0.01	13.25	0.00	2640.77
163+16.568	8.28	0.00	0.00	0.00	0.09	0.00	2640.86
163+17.052	0.24	0.00	0.00	0.00	0.00	0.00	2640.86
163+17.535	0.24	0.00	0.00	0.00	0.00	0.00	2640.86
164+0.000	1.23	0.00	0.00	0.00	0.00	0.00	2640.86
165+0.000	10.00	0.00	0.00	0.00	0.00	0.00	2640.86
166+0.000	10.00	0.00	0.00	0.00	0.00	0.00	2640.87
167+0.000	10.00	0.00	0.00	0.95	9.48	0.00	2650.35
167+18.074	9.04	0.00	0.00	0.99	17.53	0.00	2667.88
167+18.678	0.30	0.00	0.00	1.01	0.66	0.00	2668.54
167+19.281	0.30	0.00	0.00	1.01	0.67	0.00	2669.21
168+0.000	0.36	0.00	0.00	1.01	0.73	0.00	2669.93
169+0.000	10.00	0.00	0.00	1.16	21.67	0.00	2691.60
169+17.179	8.59	0.00	0.00	1.13	19.66	0.00	2711.26
169+18.579	0.70	0.00	0.00	1.18	1.54	0.00	2712.80
169+19.978	0.70	0.00	0.00	1.27	1.63	0.00	2714.43
170+0.000	0.01	0.00	0.00	1.27	0.03	0.00	2714.46
171+0.000	10.00	0.00	0.00	1.12	23.90	0.00	2738.35
172+0.000	10.00	0.00	0.00	1.47	25.88	0.00	2764.23
173+0.000	10.00	0.00	0.00	1.86	33.31	0.00	2797.54
174+0.000	10.00	0.00	0.00	1.94	38.02	0.00	2835.56
174+10.532	5.27	0.00	0.00	1.57	18.50	0.00	2854.06
174+11.504	0.49	0.00	0.00	1.57	1.30	0.00	2855.36
174+12.476	0.49	0.00	0.00	1.60	1.31	0.00	2856.67
175+0.000	3.76	0.00	0.00	1.62	12.12	0.00	2868.79
176+0.000	10.00	0.00	0.00	0.82	24.34	0.00	2893.13
176+17.704	8.85	0.00	0.00	0.21	9.08	0.00	2902.22
176+17.936	0.12	0.00	0.00	0.21	0.06	0.00	2902.27
176+18.167	0.12	0.00	0.00	0.20	0.06	0.00	2902.33
177+0.000	0.92	0.00	0.00	0.27	0.43	0.00	2902.76
178+0.000	10.00	0.00	0.00	0.81	10.78	0.00	2913.54
179+0.000	10.00	0.00	0.00	1.63	24.41	0.00	2937.95
180+0.000	10.00	0.00	0.00	2.05	36.74	0.00	2974.69
181+0.000	10.00	0.00	0.00	1.86	39.07	0.00	3013.75
182+0.000	10.00	0.00	0.00	2.06	39.20	0.00	3052.95
183+0.000	10.00	0.00	0.00	2.41	44.67	0.00	3097.62
183+2.511	1.26	0.00	0.00	2.41	6.05	0.00	3103.67
183+2.986	0.24	0.00	0.00	2.40	1.21	0.00	3104.89
183+3.461	0.24	0.00	0.00	2.39	1.21	0.00	3106.09
184+0.000	8.27	0.00	0.00	1.28	30.36	0.00	3136.45


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QUADRO DE CUBAÇÃO

TRECHO: SEDE À LOC. DE CARNAUBINHA

Estaca Inicial: 0+0.000

Estaca Final: 729+15.925



Estaca	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Voi. Acum. Corte (m ³)	Voi. Acum. Aterro (m ³)
185+0.000	10.00	0.00	0.00	0.14	14.18	0.00	3150.63
186+0.000	10.00	0.00	0.00	0.13	2.65	0.00	3153.28
187+0.000	10.00	0.00	0.00	0.91	10.38	0.00	3163.66
188+0.000	10.00	0.00	0.00	1.48	23.88	0.00	3187.53
189+0.000	10.00	0.00	0.00	0.01	14.94	0.00	3202.47
189+0.807	0.40	0.00	0.00	0.51	0.21	0.00	3202.68
189+1.726	0.46	0.00	0.00	0.29	0.32	0.00	3203.00
189+2.646	0.46	0.00	0.00	0.16	0.17	0.00	3203.17
190+0.000	8.68	0.00	0.00	0.80	8.37	0.00	3211.54
191+0.000	10.00	0.00	0.00	0.73	15.39	0.00	3226.93
192+0.000	10.00	0.00	0.00	1.87	26.07	0.00	3253.00
193+0.000	10.00	0.00	0.00	3.17	50.40	0.00	3303.40
193+11.583	5.79	0.00	0.00	3.45	38.33	0.00	3341.73
193+12.800	0.61	0.00	0.00	3.46	4.23	0.00	3345.96
193+14.017	0.61	0.00	0.00	3.47	4.24	0.00	3350.19
194+0.000	2.99	0.00	0.00	3.43	20.64	0.00	3370.83
195+0.000	10.00	0.00	0.00	2.52	59.51	0.00	3430.34
196+0.000	10.00	0.00	0.00	0.87	33.84	0.00	3464.18
197+0.000	10.00	0.00	0.00	0.55	14.20	0.00	3478.38
197+2.985	1.49	0.00	0.00	0.63	1.77	0.00	3480.16
197+3.336	0.18	0.00	0.00	0.64	0.24	0.00	3480.40
197+3.688	0.18	0.00	0.00	0.65	0.25	0.00	3480.64
198+0.000	8.16	0.00	0.00	0.49	9.34	0.00	3489.99
199+0.000	10.00	0.00	0.00	0.02	5.09	0.00	3495.08
200+0.000	10.00	0.00	0.00	0.91	9.23	0.00	3504.31
201+0.000	10.00	0.00	0.00	1.43	23.34	0.00	3527.65
202+0.000	10.00	0.00	0.00	1.53	29.55	0.00	3557.20
203+0.000	10.00	0.00	0.00	0.55	20.78	0.00	3577.97
203+5.112	2.56	0.00	0.00	0.24	2.03	0.00	3580.00
203+5.443	0.17	0.00	0.00	0.23	0.09	0.00	3580.09
203+5.775	0.17	0.00	0.00	0.21	0.08	0.00	3580.18
204+0.000	7.11	0.00	0.00	0.00	1.52	0.00	3581.70
205+0.000	10.00	0.00	0.00	0.00	0.00	0.00	3581.70
205+12.902	6.45	0.00	0.00	0.00	0.00	0.00	3581.70
205+15.980	1.54	0.00	0.00	0.20	0.31	0.00	3582.01
205+19.058	1.54	0.00	0.00	0.25	0.70	0.00	3582.71
206+0.000	0.47	0.00	0.00	0.27	0.24	0.00	3582.95
207+0.000	10.00	0.00	0.00	1.30	15.67	0.00	3598.62
207+19.336	9.67	0.00	0.00	0.81	20.37	0.00	3618.99
208+0.000	0.33	0.00	0.00	0.79	0.49	0.00	3619.48
208+1.290	0.64	0.00	0.00	0.78	0.94	0.00	3620.42
208+3.243	0.98	0.00	0.00	0.81	1.44	0.00	3621.86
208+17.202	6.98	0.00	0.00	0.40	8.44	0.00	3630.30
209+0.000	1.40	0.00	0.00	0.14	0.84	0.00	3631.14
209+0.702	0.35	0.00	0.00	0.06	0.08	0.00	3631.22
209+4.202	1.75	0.00	0.00	0.00	0.12	0.00	3631.35
210+0.000	7.90	0.00	0.00	0.04	0.31	0.00	3631.66
211+0.000	10.00	0.00	0.00	0.00	0.44	0.00	3632.10
212+0.000	10.00	0.00	0.00	0.00	0.04	0.00	3632.14
212+11.847	5.92	0.00	0.00	0.00	0.00	0.00	3632.14
212+13.932	1.04	0.00	0.00	0.00	0.00	0.00	3632.14
212+16.017	1.04	0.00	0.00	0.00	0.00	0.00	3632.14
213+0.000	1.99	0.00	0.00	0.00	0.00	0.00	3632.14
214+0.000	10.00	0.00	0.00	0.00	0.00	0.00	3632.14
215+0.000	10.00	0.00	0.00	0.14	1.36	0.00	3633.51
216+0.000	10.00	0.00	0.00	4.95	50.83	0.00	3684.34
217+0.000	10.00	0.00	0.00	7.66	126.08	0.00	3810.41
217+5.200	2.60	0.00	0.00	8.04	40.83	0.00	3851.24
217+5.405	0.10	0.00	0.00	8.05	1.58	0.00	3852.82
217+5.610	0.10	0.00	0.00	8.06	1.58	0.00	3854.39
218+0.000	7.19	0.00	0.00	8.87	121.80	0.00	3976.19
219+0.000	10.00	0.00	0.00	5.59	144.59	0.00	4120.78
220+0.000	10.00	0.00	0.00	0.00	55.91	0.00	4176.69
221+0.000	10.00	0.00	0.00	0.00	0.00	0.00	4176.69
221+3.113	1.56	0.00	0.00	0.00	0.00	0.00	4176.69
221+4.879	0.88	0.00	0.00	0.00	0.00	0.00	4176.69
221+6.644	0.88	0.00	0.00	0.00	0.00	0.00	4176.69
222+0.000	6.68	0.00	0.00	1.74	11.64	0.00	4188.34
223+0.000	10.00	0.00	0.00	3.81	55.55	0.00	4243.89
224+0.000	10.00	0.00	0.00	3.24	70.50	0.00	4314.39


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QUADRO DE CUBAÇÃO

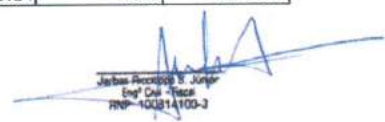


TRECHO: SEDE Á LOC. DE CARNAUBINHA

Estaca Inicial: 0+0.000

Estaca Final: 729+15.925

Estaca	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)
225+0.000	10.00	0.00	0.00	2.12	53.59	0.00	4367.98
226+0.000	10.00	0.00	0.00	0.45	25.66	0.00	4393.64
226+3.115	1.56	0.00	0.00	0.28	1.14	0.00	4394.77
226+4.533	0.71	0.00	0.00	0.27	0.32	0.00	4395.09
226+5.950	0.71	0.00	0.00	0.29	0.32	0.00	4395.41
227+0.000	7.02	0.00	0.00	1.08	9.63	0.00	4405.04
227+8.185	4.09	0.00	0.00	0.40	6.07	0.00	4411.12
227+9.772	0.79	0.00	0.00	0.29	0.45	0.00	4411.56
227+11.358	0.79	0.00	0.00	0.24	0.34	0.00	4411.90
228+0.000	4.32	0.00	0.00	0.17	1.76	0.00	4413.66
228+17.353	8.68	0.00	0.00	0.38	4.75	0.00	4418.41
228+19.687	1.17	0.00	0.00	0.48	0.90	0.00	4419.32
229+0.000	0.16	0.00	0.00	0.50	0.14	0.00	4419.46
229+2.021	1.01	0.00	0.00	0.64	1.07	0.00	4420.52
230+0.000	8.99	0.00	0.00	1.78	21.76	0.00	4442.28
231+0.000	10.00	0.00	0.00	0.08	18.59	0.00	4460.87
231+6.063	3.03	0.00	0.00	0.00	0.25	0.00	4461.12
231+8.171	1.05	0.00	0.00	0.00	0.00	0.00	4461.12
231+10.278	1.05	0.00	0.00	0.00	0.00	0.00	4461.12
232+0.000	4.86	0.00	0.00	0.00	0.00	0.00	4461.12
232+8.971	4.49	0.00	0.00	0.00	0.00	0.00	4461.12
232+10.344	0.69	0.00	0.00	0.00	0.00	0.00	4461.12
232+11.717	0.69	0.00	0.00	0.00	0.00	0.00	4461.12
233+0.000	4.14	0.00	0.00	0.00	0.00	0.00	4461.12
234+0.000	10.00	0.00	0.00	0.84	8.40	0.00	4469.53
234+14.197	7.10	0.00	0.00	0.58	10.06	0.00	4479.58
234+14.959	0.38	0.00	0.00	0.56	0.42	0.00	4480.00
234+15.721	0.38	0.00	0.00	0.55	0.41	0.00	4480.41
235+0.000	2.14	0.00	0.00	0.60	2.45	0.00	4482.86
236+0.000	10.00	0.00	0.00	0.28	8.73	0.00	4491.60
237+0.000	10.00	0.00	0.00	0.00	2.78	0.00	4494.38
238+0.000	10.00	0.00	0.00	0.95	9.51	0.00	4503.89
239+0.000	10.00	0.00	0.00	2.50	34.50	0.00	4538.38
240+0.000	10.00	0.00	0.00	3.85	63.51	0.00	4601.89
240+7.500	3.75	0.00	0.00	4.03	29.57	0.00	4631.46
240+7.947	0.22	0.00	0.00	4.03	1.86	0.00	4633.32
240+8.394	0.22	0.00	0.00	4.02	1.85	0.00	4635.18
241+0.000	5.80	0.00	0.00	3.75	45.05	0.00	4680.23
242+0.000	10.00	0.00	0.00	2.48	62.28	0.00	4742.51
242+17.582	8.79	0.00	0.00	1.07	31.22	0.00	4773.73
242+18.932	0.67	0.00	0.00	1.02	1.42	0.00	4775.14
243+0.000	0.53	0.00	0.00	0.98	1.08	0.00	4776.23
243+0.281	0.14	0.00	0.00	0.97	0.28	0.00	4776.50
243+19.178	9.45	0.00	0.00	0.00	9.18	0.00	4785.68
244+0.000	0.41	0.00	0.00	0.00	0.00	0.00	4785.68
244+0.311	0.16	0.00	0.00	0.00	0.00	0.00	4785.68
244+1.444	0.57	0.00	0.00	0.00	0.00	0.00	4785.68
245+0.000	9.28	0.00	0.00	0.00	0.00	0.00	4785.68
246+0.000	10.00	0.00	0.00	0.14	1.44	0.00	4787.13
246+4.224	2.11	0.00	0.00	0.35	1.04	0.00	4788.16
246+4.745	0.26	0.00	0.00	0.37	0.17	0.00	4788.34
246+5.267	0.26	0.00	0.00	0.39	0.18	0.00	4788.52
247+0.000	7.37	0.00	0.00	1.28	12.27	0.00	4800.80
248+0.000	10.00	0.00	0.00	2.12	33.95	0.00	4834.74
249+0.000	10.00	0.00	0.00	1.92	40.34	0.00	4875.08
249+6.558	3.28	0.00	0.00	1.61	11.56	0.00	4886.64
249+7.050	0.25	0.00	0.00	1.58	0.81	0.00	4887.45
249+7.542	0.25	0.00	0.00	1.55	0.80	0.00	4888.25
250+0.000	6.23	0.00	0.00	0.86	15.01	0.00	4903.26
251+0.000	10.00	0.00	0.00	0.38	12.44	0.00	4915.70
252+0.000	10.00	0.00	0.00	0.45	8.33	0.00	4924.03
253+0.000	10.00	0.00	0.00	0.56	10.12	0.00	4934.15
254+0.000	10.00	0.00	0.00	0.65	12.15	0.00	4946.29
254+3.907	1.95	0.00	0.00	0.67	2.59	0.00	4948.88
254+5.096	0.59	0.00	0.00	0.66	0.85	0.00	4949.73
254+6.286	0.59	0.00	0.00	0.63	0.82	0.00	4950.55
255+0.000	6.86	0.00	0.00	0.25	6.04	0.00	4956.60
255+11.135	5.57	0.00	0.00	0.24	2.75	0.00	4959.34
255+12.248	0.55	0.00	0.00	0.18	0.23	0.00	4959.57
255+13.356	0.55	0.00	0.00	0.07	0.14	0.00	4959.71


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 RNP-100814103-3



QUADRO DE CUBAÇÃO

TRECHO: SEDE Á LOC. DE CARNAUBINHA

Estaca Inicial: 0+0.000

Estaca Final: 729+15.925

Estaca	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)
256+0.000	3.32	0.00	0.00	0.00	0.23	0.00	4959.94
257+0.000	10.00	0.00	0.00	0.00	0.00	0.00	4959.94
258+0.000	10.00	0.00	0.00	0.00	0.00	0.00	4959.94
258+18.277	9.14	0.00	0.00	0.00	0.00	0.00	4959.94
258+19.752	0.74	0.00	0.00	0.02	0.02	0.00	4959.96
259+0.000	0.12	0.00	0.00	0.03	0.00	0.00	4959.96
259+1.227	0.61	0.00	0.00	0.07	0.06	0.00	4960.03
260+0.000	9.39	0.00	0.00	0.64	6.70	0.00	4966.73
260+2.435	1.22	0.00	0.00	0.75	1.69	0.00	4968.42
260+3.338	0.45	0.00	0.00	0.78	0.74	0.00	4969.16
260+4.241	0.45	0.00	0.00	0.76	0.75	0.00	4969.91
261+0.000	7.88	0.00	0.00	0.14	7.06	0.00	4976.97
262+0.000	10.00	0.00	0.00	0.07	2.08	0.00	4979.05
262+6.574	3.29	0.00	0.00	0.05	0.39	0.00	4979.44
262+7.970	0.70	0.00	0.00	0.04	0.06	0.00	4979.50
262+9.366	0.70	0.00	0.00	0.02	0.04	0.00	4979.55
263+0.000	5.32	0.00	0.00	0.00	0.11	0.00	4979.66
264+0.000	10.00	0.00	0.00	0.00	0.00	0.00	4979.66
265+0.000	10.00	0.00	0.00	0.00	0.00	0.00	4979.66
266+0.000	10.00	0.00	0.00	0.59	5.87	0.00	4985.52
267+0.000	10.00	0.00	0.00	1.97	25.58	0.00	5011.11
268+0.000	10.00	0.00	0.00	1.98	39.56	0.00	5050.67
269+0.000	10.00	0.00	0.00	1.52	35.00	0.00	5085.67
269+8.026	4.01	0.00	0.00	1.32	11.38	0.00	5097.05
269+9.397	0.69	0.00	0.00	1.34	1.59	0.00	5098.64
269+10.769	0.69	0.00	0.00	1.34	1.61	0.00	5100.25
270+0.000	4.62	0.00	0.00	0.38	7.94	0.00	5108.19
271+0.000	10.00	0.00	0.00	0.00	3.83	0.00	5112.02
272+0.000	10.00	0.00	0.00	0.56	5.56	0.00	5117.58
273+0.000	10.00	0.00	0.00	0.76	13.14	0.00	5130.72
274+0.000	10.00	0.00	0.00	0.87	16.28	0.00	5147.01
275+0.000	10.00	0.00	0.00	0.58	14.55	0.00	5161.55
276+0.000	10.00	0.00	0.00	0.37	9.50	0.00	5171.06
276+5.350	2.68	0.00	0.00	0.27	1.70	0.00	5172.76
276+6.522	0.59	0.00	0.00	0.25	0.27	0.00	5173.02
276+7.694	0.59	0.00	0.00	0.25	0.26	0.00	5173.28
277+0.000	6.15	0.00	0.00	0.51	4.69	0.00	5177.96
278+0.000	10.00	0.00	0.00	0.00	5.13	0.00	5183.09
279+0.000	10.00	0.00	0.00	0.12	1.15	0.00	5184.24
279+5.524	2.76	0.00	0.00	0.72	2.29	0.00	5186.54
279+6.013	0.24	0.00	0.00	0.77	0.33	0.00	5186.87
279+6.502	0.24	0.00	0.00	0.83	0.36	0.00	5187.23
280+0.000	6.75	0.00	0.00	1.30	14.38	0.00	5201.60
281+0.000	10.00	0.00	0.00	0.53	18.31	0.00	5219.91
281+12.612	6.31	0.00	0.00	0.25	4.94	0.00	5224.86
281+13.854	0.62	0.00	0.00	0.25	0.32	0.00	5225.18
281+15.097	0.62	0.00	0.00	0.24	0.31	0.00	5225.49
282+0.000	2.45	0.00	0.00	0.22	1.12	0.00	5226.61
283+0.000	10.00	0.00	0.00	0.88	10.97	0.00	5237.57
283+15.457	7.73	0.00	0.00	1.66	19.61	0.00	5257.19
283+16.514	0.53	0.00	0.00	1.70	1.82	0.00	5259.01
283+17.572	0.53	0.00	0.00	1.73	1.86	0.00	5260.87
284+0.000	1.21	0.00	0.00	1.76	4.23	0.00	5265.09
285+0.000	10.00	0.00	0.00	1.97	37.30	0.00	5302.40
285+19.041	9.52	0.00	0.00	0.06	19.34	0.00	5321.73
286+0.000	0.48	0.00	0.00	0.36	0.17	0.00	5321.90
286+0.188	0.09	0.00	0.00	0.48	0.08	0.00	5321.98
286+1.336	0.57	0.00	0.00	0.89	0.72	0.00	5322.69
287+0.000	9.33	0.00	0.00	0.73	15.06	0.00	5337.75
287+18.287	9.14	0.00	0.00	0.23	8.76	0.00	5346.51
288+0.000	0.86	0.00	0.00	0.30	0.43	0.00	5346.93
288+0.359	0.18	0.00	0.00	0.33	0.11	0.00	5347.04
288+2.431	1.04	0.00	0.00	0.57	0.92	0.00	5347.97
289+0.000	8.78	0.00	0.00	2.36	25.68	0.00	5373.65
290+0.000	10.00	0.00	0.00	2.03	43.83	0.00	5417.48
290+9.994	5.00	0.00	0.00	0.45	12.39	0.00	5429.87
290+10.909	0.46	0.00	0.00	0.38	0.30	0.00	5430.17
290+11.823	0.46	0.00	0.00	0.34	0.26	0.00	5430.43
291+0.000	4.09	0.00	0.00	0.32	2.71	0.00	5433.14
292+0.000	10.00	0.00	0.00	0.37	6.96	0.00	5440.10


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 RPP-100814100-3



QUADRO DE CUBAÇÃO

TRECHO: SEDE Á LOC. DE CARNAUBINHA

Estaca Inicial: 0+0.000

Estaca Final: 729+15.925

Estaca	Semi-Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)
293+0.000	10.00	0.00	0.00	1.58	19.57	0.00	5459.67
293+7.248	3.62	0.00	0.00	2.47	14.70	0.00	5474.37
293+8.255	0.50	0.00	0.00	2.60	2.65	0.00	5477.02
293+9.262	0.50	0.00	0.00	2.69	2.77	0.00	5479.79
294+0.000	5.37	0.00	0.00	2.48	27.75	0.00	5507.54
295+0.000	10.00	0.00	0.00	0.00	24.86	0.00	5532.40
296+0.000	10.00	0.00	0.00	0.00	0.05	0.00	5532.98
297+0.000	10.00	0.00	0.00	0.05	0.52	0.00	5532.98
298+0.000	10.00	0.00	0.00	0.41	4.62	0.00	5537.60
298+9.841	4.92	0.00	0.00	0.06	2.30	0.00	5539.90
298+12.853	1.51	0.00	0.00	0.04	0.12	0.00	5540.02
298+15.865	1.51	0.00	0.00	0.09	0.15	0.00	5540.16
299+0.000	2.07	0.00	0.00	0.24	0.67	0.00	5540.84
300+0.000	10.00	0.00	0.00	0.89	11.29	0.00	5552.12
301+0.000	10.00	0.00	0.00	0.00	8.88	0.00	5561.00
302+0.000	10.00	0.00	0.00	0.00	0.00	0.00	5561.00
303+0.000	10.00	0.00	0.00	1.58	15.80	0.00	5576.80
303+9.139	4.57	0.00	0.00	3.25	22.08	0.00	5598.88
303+9.574	0.22	0.00	0.00	3.34	1.76	0.00	5600.64
303+10.009	0.22	0.00	0.00	3.39	1.79	0.00	5602.43
304+0.000	5.00	0.00	0.00	3.57	34.73	0.00	5637.16
305+0.000	10.00	0.00	0.00	2.62	61.88	0.00	5699.04
306+0.000	10.00	0.00	0.00	2.38	50.07	0.00	5749.10
307+0.000	10.00	0.00	0.00	5.09	74.76	0.00	5823.87
308+0.000	10.00	0.00	0.00	4.24	93.27	0.00	5917.14
309+0.000	10.00	0.00	0.00	4.24	84.78	0.00	6001.91
309+14.136	7.07	0.00	0.00	3.96	57.94	0.00	6059.85
309+16.186	1.02	0.00	0.00	3.83	8.08	0.00	6067.93
309+18.235	1.02	0.00	0.00	3.66	7.75	0.00	6075.68
310+0.000	0.88	0.00	0.00	3.38	6.21	0.00	6081.89
311+0.000	10.00	0.00	0.00	0.26	36.39	0.00	6118.28
312+0.000	10.00	0.00	0.00	0.02	2.76	0.00	6121.03
313+0.000	10.00	0.00	0.00	0.08	1.00	0.00	6122.04
314+0.000	10.00	0.00	0.00	0.00	0.80	0.00	6122.84
315+0.000	10.00	0.00	0.00	0.00	0.00	0.00	6122.84
315+7.772	3.89	0.00	0.00	0.00	0.03	0.00	6122.87
315+9.259	0.74	0.00	0.00	0.02	0.02	0.00	6122.89
315+10.745	0.74	0.00	0.00	0.03	0.03	0.00	6122.92
316+0.000	4.63	0.00	0.00	0.35	1.73	0.00	6124.65
317+0.000	10.00	0.00	0.00	1.93	22.75	0.00	6147.39
317+14.305	7.15	0.00	0.00	1.71	26.02	0.00	6173.41
317+14.882	0.29	0.00	0.00	1.69	1.03	0.00	6174.44
317+15.459	0.29	0.00	0.00	1.67	1.02	0.00	6174.44
318+0.000	2.27	0.00	0.00	1.45	7.08	0.00	6182.54
319+0.000	10.00	0.00	0.00	0.36	18.10	0.00	6200.64
320+0.000	10.00	0.00	0.00	0.00	3.60	0.00	6204.24
321+0.000	10.00	0.00	0.00	0.00	0.04	0.00	6204.28
322+0.000	10.00	0.00	0.00	0.56	5.68	0.00	6209.96
323+0.000	10.00	0.00	0.00	0.47	10.34	0.00	6220.30
324+0.000	10.00	0.00	0.00	0.18	6.54	0.00	6226.83
325+0.000	10.00	0.00	0.00	0.00	1.84	0.00	6228.68
326+0.000	10.00	0.00	0.00	0.00	0.01	0.00	6228.69
327+0.000	10.00	0.00	0.00	0.00	0.00	0.00	6228.69
327+12.885	6.44	0.00	0.00	0.12	0.75	0.00	6229.44
327+13.449	0.28	0.00	0.00	0.14	0.09	0.00	6229.53
327+14.013	0.28	0.00	0.00	0.16	0.10	0.00	6229.63
328+0.000	2.99	0.00	0.00	0.23	1.16	0.00	6230.79
329+0.000	10.00	0.00	0.00	0.65	8.82	0.00	6239.61
330+0.000	10.00	0.00	0.00	1.43	20.77	0.00	6260.39
331+0.000	10.00	0.00	0.00	1.25	26.79	0.00	6287.18
332+0.000	10.00	0.00	0.00	1.64	28.88	0.00	6316.06
332+8.948	4.47	0.00	0.00	1.87	15.69	0.00	6331.75
332+9.248	0.15	0.00	0.00	1.88	0.58	0.00	6332.33
332+9.548	0.15	0.00	0.00	1.89	0.59	0.00	6332.92
333+0.000	5.23	0.00	0.00	2.09	20.80	0.00	6353.72
334+0.000	10.00	0.00	0.00	2.44	45.37	0.00	6399.09
335+0.000	10.00	0.00	0.00	2.32	47.57	0.00	6446.66
336+0.000	10.00	0.00	0.00	1.97	42.81	0.00	6489.47
337+0.000	10.00	0.00	0.00	1.31	32.74	0.00	6522.21
338+0.000	10.00	0.00	0.00	0.75	20.54	0.00	6542.75


 Engº Celso S. Junior
 RPP-100814100-3



QUADRO DE CUBAÇÃO

TRECHO: SEDE Á LOC. DE CARNAUBINHA
 Estaca Inicial: 0+0.000
 Estaca Final: 729+15.925

Estaca	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)
339+0.000	10.00	0.00	0.00	0.23	9.73	0.00	6552.48
340+0.000	10.00	0.00	0.00	0.00	2.27	0.00	6554.74
340+14.096	7.05	0.00	0.00	0.00	0.00	0.00	6554.74
340+15.242	0.57	0.00	0.00	0.00	0.00	0.00	6554.74
340+16.389	0.57	0.00	0.00	0.00	0.00	0.00	6554.74
341+0.000	1.81	0.00	0.00	0.00	0.00	0.00	6554.74
342+0.000	10.00	0.00	0.00	0.10	0.96	0.00	6555.70
343+0.000	10.00	0.00	0.00	0.53	6.26	0.00	6561.96
344+0.000	10.00	0.00	0.00	1.18	17.10	0.00	6579.06
344+1.622	0.81	0.00	0.00	1.38	2.08	0.00	6581.14
344+1.729	0.05	0.00	0.00	1.39	0.15	0.00	6581.28
344+1.835	0.05	0.00	0.00	1.41	0.15	0.00	6581.43
345+0.000	9.08	0.00	0.00	0.38	16.21	0.00	6597.64
346+0.000	10.00	0.00	0.00	1.11	14.85	0.00	6612.50
347+0.000	10.00	0.00	0.00	0.53	16.39	0.00	6628.89
347+3.145	1.57	0.00	0.00	0.24	1.20	0.00	6630.09
347+3.226	0.04	0.00	0.00	0.23	0.02	0.00	6630.11
347+3.307	0.04	0.00	0.00	0.22	0.02	0.00	6630.13
348+0.000	8.35	0.00	0.00	0.05	2.25	0.00	6632.37
349+0.000	10.00	0.00	0.00	0.00	0.54	0.00	6632.92
349+12.128	6.06	0.00	0.00	0.00	0.06	0.00	6632.98
349+14.932	1.40	0.00	0.00	0.00	0.00	0.00	6632.98
349+17.737	1.40	0.00	0.00	0.00	0.00	0.00	6632.98
350+0.000	1.13	0.00	0.00	0.00	0.00	0.00	6632.98
350+14.568	7.28	0.00	0.00	0.00	0.00	0.00	6632.98
350+17.178	1.31	0.00	0.00	0.00	0.00	0.00	6632.98
350+19.788	1.31	0.00	0.00	0.00	0.00	0.00	6632.98
351+0.000	0.11	0.00	0.00	0.00	0.00	0.00	6632.98
352+0.000	10.00	0.00	0.00	0.00	0.00	0.00	6632.98
353+0.000	10.00	0.00	0.00	0.72	7.19	0.00	6640.16
353+19.749	9.87	0.00	0.00	1.88	25.67	0.00	6665.83
354+0.000	0.13	0.00	0.00	1.91	0.49	0.00	6666.32
354+1.629	0.81	0.00	0.00	2.03	3.28	0.00	6669.60
354+3.510	0.94	0.00	0.00	2.09	3.96	0.00	6673.56
354+17.914	7.20	0.00	0.00	4.22	45.46	0.00	6719.02
354+19.789	0.94	0.00	0.00	4.81	8.27	0.00	6727.29
355+0.000	0.11	0.00	0.00	4.90	1.00	0.00	6728.29
355+1.663	0.83	0.00	0.00	5.72	8.65	0.00	6736.94
355+19.636	8.99	0.00	0.00	8.39	126.76	0.00	6863.71
356+0.000	0.18	0.00	0.00	8.33	3.24	0.00	6866.95
356+0.934	0.47	0.00	0.00	8.14	8.23	0.00	6875.18
356+2.233	0.65	0.00	0.00	7.70	11.02	0.00	6886.20
357+0.000	8.88	0.00	0.00	2.99	94.96	0.00	6981.16
358+0.000	10.00	0.00	0.00	0.55	35.41	0.00	7016.57
359+0.000	10.00	0.00	0.00	1.17	17.22	0.00	7033.78
359+7.511	3.76	0.00	0.00	1.34	9.43	0.00	7043.21
359+8.260	0.37	0.00	0.00	1.44	0.80	0.00	7044.01
359+9.009	0.37	0.00	0.00	1.60	0.86	0.00	7044.87
360+0.000	5.50	0.00	0.00	3.15	26.07	0.00	7070.94
361+0.000	10.00	0.00	0.00	3.63	67.81	0.00	7138.75
361+13.156	6.58	0.00	0.00	2.37	39.47	0.00	7178.22
361+13.424	0.13	0.00	0.00	2.36	0.46	0.00	7178.68
361+13.692	0.13	0.00	0.00	2.36	0.46	0.00	7179.14
362+0.000	3.15	0.00	0.00	2.14	14.22	0.00	7193.36
363+0.000	10.00	0.00	0.00	1.48	36.22	0.00	7229.58
364+0.000	10.00	0.00	0.00	1.75	32.28	0.00	7261.86
365+0.000	10.00	0.00	0.00	1.81	35.62	0.00	7297.47
366+0.000	10.00	0.00	0.00	0.85	26.59	0.00	7324.06
366+7.948	3.97	0.00	0.00	0.00	3.36	0.00	7327.42
366+8.029	0.04	0.00	0.00	0.00	0.00	0.00	7327.42
366+8.113	0.04	0.00	0.00	0.00	0.00	0.00	7327.42
367+0.000	5.94	0.00	0.00	0.00	0.00	0.00	7327.42
368+0.000	10.00	0.00	0.00	0.13	1.35	0.00	7328.77
368+8.086	4.04	0.00	0.00	0.27	1.63	0.00	7330.40
368+9.256	0.58	0.00	0.00	0.29	0.32	0.00	7330.72
368+10.425	0.58	0.00	0.00	0.32	0.36	0.00	7331.08
369+0.000	4.79	0.00	0.00	0.40	3.44	0.00	7334.52
370+0.000	10.00	0.00	0.00	0.50	8.92	0.00	7343.44
370+13.733	6.87	0.00	0.00	0.43	6.33	0.00	7349.77
370+14.449	0.36	0.00	0.00	0.44	0.33	0.00	7350.10


Jéfson Recondo S. Junior
 Engº Civil - Titular
 RPP - 150814100-3



QUADRO DE CUBAÇÃO

TRECHO: SEDE À LOC. DE CARNAUBINHA
 Estaca Inicial: 0+0.000
 Estaca Final: 729+15.925

Estaca	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)
370+15.164	0.36	0.00	0.00	0.46	0.34	0.00	7350.44
371+0.000	2.42	0.00	0.00	0.55	2.45	0.00	7352.89
372+0.000	10.00	0.00	0.00	0.51	10.58	0.00	7363.47
373+0.000	10.00	0.00	0.00	0.41	9.14	0.00	7372.61
373+8.705	4.35	0.00	0.00	0.99	6.08	0.00	7378.70
373+9.627	0.46	0.00	0.00	1.04	1.09	0.00	7379.78
373+10.548	0.46	0.00	0.00	1.06	1.12	0.00	7380.91
374+0.000	4.73	0.00	0.00	0.90	9.24	0.00	7390.15
375+0.000	10.00	0.00	0.00	0.25	11.44	0.00	7401.59
376+0.000	10.00	0.00	0.00	0.07	3.16	0.00	7404.75
376+8.859	4.43	0.00	0.00	0.02	0.39	0.00	7405.14
376+11.294	1.22	0.00	0.00	0.00	0.02	0.00	7405.16
376+13.730	1.22	0.00	0.00	0.00	0.00	0.00	7405.16
377+0.000	3.14	0.00	0.00	0.00	0.00	0.00	7405.16
377+10.285	5.14	0.00	0.00	0.00	0.00	0.00	7405.16
377+12.269	0.99	0.00	0.00	0.00	0.00	0.00	7405.16
377+14.252	0.99	0.00	0.00	0.00	0.00	0.00	7405.16
378+0.000	2.87	0.00	0.00	0.07	0.19	0.00	7405.36
378+12.208	6.10	0.00	0.00	0.26	1.97	0.00	7407.33
378+12.833	0.31	0.00	0.00	0.24	0.13	0.00	7407.45
378+13.458	0.31	0.00	0.00	0.24	0.12	0.00	7407.58
379+0.000	3.27	0.00	0.00	0.54	2.55	0.00	7410.13
380+0.000	10.00	0.00	0.00	1.00	15.43	0.00	7425.55
381+0.000	10.00	0.00	0.00	1.36	23.58	0.00	7449.14
382+0.000	10.00	0.00	0.00	4.43	57.88	0.00	7507.01
383+0.000	10.00	0.00	0.00	10.20	146.31	0.00	7653.32
383+3.082	1.54	0.00	0.00	9.43	30.25	0.00	7683.57
383+3.606	0.26	0.00	0.00	9.18	5.13	0.00	7688.71
383+4.129	0.26	0.00	0.00	8.91	4.98	0.00	7693.69
384+0.000	7.94	0.00	0.00	2.04	86.86	0.00	7780.54
385+0.000	10.00	0.00	0.00	0.30	23.45	0.00	7803.99
386+0.000	10.00	0.00	0.00	0.22	5.29	0.00	7809.28
386+1.551	0.78	0.00	0.00	0.21	0.34	0.00	7809.61
386+2.079	0.26	0.00	0.00	0.22	0.09	0.00	7809.70
386+2.607	0.26	0.00	0.00	0.24	0.10	0.00	7809.80
387+0.000	8.70	0.00	0.00	0.36	5.24	0.00	7815.03
388+0.000	10.00	0.00	0.00	0.05	4.12	0.00	7819.15
388+4.259	2.13	0.00	0.00	0.00	0.10	0.00	7819.26
388+5.986	0.86	0.00	0.00	0.00	0.00	0.00	7819.26
388+7.713	0.86	0.00	0.00	0.00	0.00	0.00	7819.26
389+0.000	6.14	0.00	0.00	0.34	2.11	0.00	7821.37
389+10.819	5.41	0.00	0.00	0.73	5.79	0.00	7827.16
389+13.377	1.28	0.00	0.00	0.70	2.05	0.00	7829.21
389+15.935	1.28	0.00	0.00	0.47	1.71	0.00	7830.93
390+0.000	2.03	0.00	0.00	0.02	0.99	0.00	7831.92
391+0.000	10.00	0.00	0.00	0.80	8.20	0.00	7840.11
392+0.000	10.00	0.00	0.00	0.28	10.79	0.00	7850.90
392+14.021	7.01	0.00	0.00	0.12	2.81	0.00	7853.71
392+15.294	0.64	0.00	0.00	0.15	0.16	0.00	7853.86
392+16.566	0.64	0.00	0.00	0.21	0.20	0.00	7854.07
393+0.000	1.72	0.00	0.00	0.48	1.18	0.00	7855.25
393+14.657	7.33	0.00	0.00	0.02	3.70	0.00	7858.95
393+15.172	0.26	0.00	0.00	0.02	0.00	0.00	7858.96
393+15.687	0.26	0.00	0.00	0.02	0.00	0.00	7858.96
394+0.000	2.16	0.00	0.00	0.01	0.07	0.00	7859.04
395+0.000	10.00	0.00	0.00	0.00	0.13	0.00	7859.17
396+0.000	10.00	0.00	0.00	0.00	0.03	0.00	7859.19
396+4.108	2.05	0.00	0.00	0.02	0.06	0.00	7859.25
396+4.664	0.28	0.00	0.00	0.03	0.02	0.00	7859.27
396+5.220	0.28	0.00	0.00	0.04	0.02	0.00	7859.29
397+0.000	7.39	0.00	0.00	0.00	0.31	0.00	7859.60
398+0.000	10.00	0.00	0.00	0.59	5.96	0.00	7865.56
398+12.359	6.18	0.00	0.00	1.48	12.80	0.00	7878.36
398+16.179	1.91	0.00	0.00	1.22	5.21	0.00	7883.57
398+19.999	1.91	0.00	0.00	0.54	3.51	0.00	7887.09
399+0.000	0.00	0.00	0.00	0.54	0.00	0.00	7887.09
399+11.766	5.88	0.00	0.00	0.00	3.18	0.00	7890.26
399+13.072	0.65	0.00	0.00	0.00	0.00	0.00	7890.26
399+14.377	0.65	0.00	0.00	0.00	0.00	0.00	7890.26
400+0.000	2.81	0.00	0.00	0.00	0.00	0.00	7890.26


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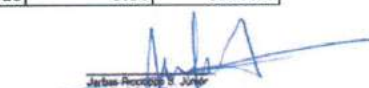
QUADRO DE CUBAÇÃO

TRECHO: SEDE Á LOC. DE CARNAUBINHA

Estaca Inicial: 0+0.000

Estaca Final: 729+15.925

Estaca	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)
400+11.906	5.95	0.00	0.00	0.00	0.00	0.00	7890.26
400+13.509	0.80	0.00	0.00	0.00	0.00	0.00	7890.26
400+15.112	0.80	0.00	0.00	0.00	0.00	0.00	7890.26
401+0.000	2.44	0.00	0.00	0.00	0.00	0.00	7890.26
401+17.305	8.65	0.00	0.00	0.02	0.17	0.00	7890.44
401+18.420	0.56	0.00	0.00	0.12	0.10	0.00	7890.53
401+19.536	0.56	0.00	0.00	0.27	0.27	0.00	7890.80
402+0.000	0.23	0.00	0.00	0.30	0.13	0.00	7890.93
403+0.000	10.00	0.00	0.00	1.54	18.32	0.00	7909.25
404+0.000	10.00	0.00	0.00	0.20	17.35	0.00	7926.60
405+0.000	10.00	0.00	0.00	0.44	6.37	0.00	7932.97
406+0.000	10.00	0.00	0.00	0.18	6.22	0.00	7939.19
406+14.754	7.38	0.00	0.00	0.25	3.24	0.00	7942.43
406+16.570	0.91	0.00	0.00	0.34	0.51	0.00	7942.94
406+18.386	0.91	0.00	0.00	0.48	0.71	0.00	7943.65
407+0.000	0.81	0.00	0.00	0.62	0.88	0.00	7944.54
408+0.000	10.00	0.00	0.00	1.39	20.12	0.00	7964.65
409+0.000	10.00	0.00	0.00	0.32	17.12	0.00	7981.77
409+14.494	7.25	0.00	0.00	0.00	2.30	0.00	7984.07
409+14.762	0.13	0.00	0.00	0.00	0.00	0.00	7984.07
409+15.029	0.13	0.00	0.00	0.00	0.00	0.00	7984.07
410+0.000	2.49	0.00	0.00	0.00	0.00	0.00	7984.07
411+0.000	10.00	0.00	0.00	0.06	0.56	0.00	7984.64
412+0.000	10.00	0.00	0.00	0.83	8.87	0.00	7993.51
413+0.000	10.00	0.00	0.00	1.47	22.98	0.00	8016.49
414+0.000	10.00	0.00	0.00	0.26	17.24	0.00	8033.73
415+0.000	10.00	0.00	0.00	0.00	2.56	0.00	8036.29
416+0.000	10.00	0.00	0.00	0.00	0.00	0.00	8036.29
417+0.000	10.00	0.00	0.00	0.00	0.00	0.00	8036.29
418+0.000	10.00	0.00	0.00	0.04	0.42	0.00	8036.71
419+0.000	10.00	0.00	0.00	0.02	0.66	0.00	8037.36
420+0.000	10.00	0.00	0.00	0.07	0.93	0.00	8038.29
420+15.608	7.80	0.00	0.00	0.44	3.98	0.00	8042.27
420+16.357	0.37	0.00	0.00	0.45	0.29	0.00	8042.56
420+17.105	0.37	0.00	0.00	0.45	0.30	0.00	8042.86
421+0.000	1.45	0.00	0.00	0.49	1.36	0.00	8044.22
422+0.000	10.00	0.00	0.00	0.83	13.13	0.00	8057.35
423+0.000	10.00	0.00	0.00	4.29	51.15	0.00	8108.51
424+0.000	10.00	0.00	0.00	7.43	117.18	0.00	8225.69
424+5.429	2.71	0.00	0.00	7.87	41.52	0.00	8267.20
424+9.531	2.05	0.00	0.00	8.34	33.27	0.00	8300.47
424+13.634	2.05	0.00	0.00	8.88	35.58	0.00	8336.05
425+0.000	3.18	0.00	0.00	10.30	61.05	0.00	8397.10
425+1.905	0.95	0.00	0.00	10.39	19.70	0.00	8416.80
425+4.403	1.25	0.00	0.00	10.24	25.53	0.00	8442.33
425+6.902	1.25	0.00	0.00	10.19	25.33	0.00	8467.66
426+0.000	6.55	0.00	0.00	9.56	129.31	0.00	8596.97
427+0.000	10.00	0.00	0.00	6.36	159.12	0.00	8756.09
427+11.823	5.91	0.00	0.00	5.26	68.64	0.00	8824.73
427+13.093	0.64	0.00	0.00	4.95	6.51	0.00	8831.23
427+14.363	0.64	0.00	0.00	4.65	6.07	0.00	8837.30
428+0.000	2.82	0.00	0.00	3.33	22.51	0.00	8859.81
429+0.000	10.00	0.00	0.00	1.21	45.49	0.00	8905.29
429+12.348	6.17	0.00	0.00	0.42	10.09	0.00	8915.38
429+16.591	2.12	0.00	0.00	0.39	1.68	0.00	8917.06
430+0.000	1.70	0.00	0.00	0.00	0.66	0.00	8917.71
430+0.833	0.42	0.00	0.00	0.00	0.00	0.00	8917.71
430+18.710	8.94	0.00	0.00	0.40	3.53	0.00	8921.25
431+0.000	0.64	0.00	0.00	0.62	0.76	0.00	8922.01
431+0.152	0.08	0.00	0.00	0.64	0.10	0.00	8922.10
431+1.594	0.72	0.00	0.00	0.81	1.21	0.00	8923.31
432+0.000	9.20	0.00	0.00	1.23	18.81	0.00	8942.12
433+0.000	10.00	0.00	0.00	0.58	18.15	0.00	8960.27
434+0.000	10.00	0.00	0.00	0.30	8.86	0.00	8969.13
434+5.932	2.97	0.00	0.00	0.05	1.05	0.00	8970.17
434+8.603	1.34	0.00	0.00	0.34	0.64	0.00	8970.82
434+11.275	1.34	0.00	0.00	0.42	1.24	0.00	8972.06
435+0.000	4.36	0.00	0.00	0.14	2.43	0.00	8974.49
436+0.000	10.00	0.00	0.00	0.09	2.35	0.00	8976.84
437+0.000	10.00	0.00	0.00	0.32	4.13	0.00	8980.97


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QUADRO DE CUBAÇÃO

TRECHO: SEDE À LOC. DE CARNAUBINHA
 Estaca Inicial: 0+0.000
 Estaca Final: 729+15.925

Estaca	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)
438+0.000	10.00	0.00	0.00	0.42	7.36	0.00	8988.33
439+0.000	10.00	0.00	0.00	0.46	8.72	0.00	8997.05
440+0.000	10.00	0.00	0.00	0.25	7.04	0.00	9004.10
440+9.958	4.98	0.00	0.00	0.15	1.97	0.00	9006.06
440+10.759	0.40	0.00	0.00	0.14	0.15	0.00	9006.21
440+11.559	0.40	0.00	0.00	0.11	0.13	0.00	9006.34
441+0.000	4.22	0.00	0.00	0.00	0.48	0.00	9006.81
442+0.000	10.00	0.00	0.00	0.00	0.00	0.00	9006.81
442+4.118	2.06	0.00	0.00	0.00	0.00	0.00	9006.81
442+4.670	0.28	0.00	0.00	0.00	0.00	0.00	9006.81
442+5.222	0.28	0.00	0.00	0.00	0.00	0.00	9006.81
443+0.000	7.39	0.00	0.00	0.00	0.00	0.00	9006.81
444+0.000	10.00	0.00	0.00	0.33	3.35	0.00	9010.16
445+0.000	10.00	0.00	0.00	0.08	4.11	0.00	9014.27
445+10.752	5.38	0.00	0.00	0.00	0.41	0.00	9014.68
445+12.213	0.73	0.00	0.00	0.00	0.00	0.00	9014.68
445+13.674	0.73	0.00	0.00	0.19	0.15	0.00	9014.83
446+0.000	3.16	0.00	0.00	0.63	2.60	0.00	9017.43
447+0.000	10.00	0.00	0.00	2.08	27.05	0.00	9044.47
447+12.994	6.50	0.00	0.00	4.47	42.54	0.00	9087.01
447+13.364	0.18	0.00	0.00	4.54	1.69	0.00	9088.70
447+13.733	0.18	0.00	0.00	4.62	1.72	0.00	9090.42
448+0.000	3.13	0.00	0.00	4.82	29.56	0.00	9119.98
449+0.000	10.00	0.00	0.00	1.30	61.12	0.00	9181.10
450+0.000	10.00	0.00	0.00	0.90	22.01	0.00	9203.11
451+0.000	10.00	0.00	0.00	0.75	16.51	0.00	9219.62
452+0.000	10.00	0.00	0.00	2.55	33.01	0.00	9252.63
453+0.000	10.00	0.00	0.00	3.73	62.81	0.00	9315.44
454+0.000	10.00	0.00	0.00	5.27	89.94	0.00	9405.38
454+17.717	8.86	0.00	0.00	3.93	81.44	0.00	9486.81
454+18.316	0.30	0.00	0.00	3.80	2.35	0.00	9489.16
454+18.916	0.30	0.00	0.00	3.67	2.26	0.00	9491.42
455+0.000	0.54	0.00	0.00	3.43	3.85	0.00	9495.27
456+0.000	10.00	0.00	0.00	2.44	58.71	0.00	9553.98
457+0.000	10.00	0.00	0.00	3.11	55.50	0.00	9609.49
457+12.440	6.22	0.00	0.00	2.48	34.79	0.00	9644.28
457+14.279	0.92	0.00	0.00	2.35	4.47	0.00	9648.75
457+16.118	0.92	0.00	0.00	2.21	4.19	0.00	9652.94
458+0.000	1.94	0.00	0.00	2.19	8.54	0.00	9661.48
459+0.000	10.00	0.00	0.00	1.25	34.40	0.00	9695.88
460+0.000	10.00	0.00	0.00	2.06	33.15	0.00	9729.03
460+11.427	5.71	0.00	0.00	1.33	19.39	0.00	9748.42
460+12.539	0.56	0.00	0.00	1.33	1.46	0.00	9749.87
460+13.652	0.56	0.00	0.00	1.35	1.46	0.00	9751.33
461+0.000	3.17	0.00	0.00	1.71	9.70	0.00	9761.03
462+0.000	10.00	0.00	0.00	1.77	34.79	0.00	9795.82
463+0.000	10.00	0.00	0.00	0.37	21.36	0.00	9817.18
464+0.000	10.00	0.00	0.00	0.00	3.67	0.00	9820.86
465+0.000	10.00	0.00	0.00	0.00	0.00	0.00	9820.86
466+0.000	10.00	0.00	0.00	0.16	1.57	0.00	9822.43
466+4.177	2.09	0.00	0.00	0.74	1.87	0.00	9824.30
466+5.157	0.49	0.00	0.00	0.89	0.83	0.00	9825.13
466+6.137	0.49	0.00	0.00	1.02	0.98	0.00	9826.11
467+0.000	6.93	0.00	0.00	1.90	20.24	0.00	9846.35
468+0.000	10.00	0.00	0.00	1.18	30.80	0.00	9877.15
469+0.000	10.00	0.00	0.00	0.02	12.06	0.00	9889.21
470+0.000	10.00	0.00	0.00	0.00	0.25	0.00	9889.45
470+2.943	1.47	0.00	0.00	0.00	0.00	0.00	9889.45
470+3.839	0.45	0.00	0.00	0.00	0.00	0.00	9889.45
470+4.728	0.45	0.00	0.00	0.00	0.00	0.00	9889.45
471+0.000	7.64	0.00	0.00	0.00	0.00	0.00	9889.45
472+0.000	10.00	0.00	0.00	0.00	0.00	0.00	9889.45
472+9.485	4.74	0.00	0.00	0.00	0.00	0.00	9889.45
472+10.137	0.33	0.00	0.00	0.00	0.00	0.00	9889.45
472+10.789	0.33	0.00	0.00	0.00	0.00	0.00	9889.45
473+0.000	4.61	0.00	0.00	0.00	0.00	0.00	9889.45
474+0.000	10.00	0.00	0.00	0.00	0.03	0.00	9889.49
475+0.000	10.00	0.00	0.00	0.84	8.44	0.00	9897.93
475+8.455	4.23	0.00	0.00	1.25	8.82	0.00	9906.75
475+9.659	0.60	0.00	0.00	1.30	1.63	0.00	9908.38


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QUADRO DE CUBAÇÃO

TRECHO: SEDE À LOC. DE CARNAUBINHA

Estaca Inicial: 0+0.000

Estaca Final: 729+15.925

Estaca	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)
475+10.862	0.60	0.00	0.00	1.30	1.67	0.00	9910.05
476+0.000	4.57	0.00	0.00	1.27	11.75	0.00	9921.80
476+18.166	9.08	0.00	0.00	0.45	15.65	0.00	9937.45
476+19.396	0.62	0.00	0.00	0.50	0.65	0.00	9938.11
477+0.000	0.30	0.00	0.00	0.57	0.36	0.00	9938.47
477+0.626	0.31	0.00	0.00	0.61	0.41	0.00	9938.88
478+0.000	9.69	0.00	0.00	0.25	8.34	0.00	9947.22
478+1.310	0.65	0.00	0.00	0.30	0.37	0.00	9947.58
478+2.178	0.43	0.00	0.00	0.35	0.32	0.00	9947.90
478+3.046	0.43	0.00	0.00	0.38	0.36	0.00	9948.26
479+0.000	8.48	0.00	0.00	0.46	7.05	0.00	9955.31
480+0.000	10.00	0.00	0.00	0.07	5.29	0.00	9960.60
480+6.368	3.18	0.00	0.00	0.01	0.27	0.00	9960.87
480+6.940	0.29	0.00	0.00	0.00	0.00	0.00	9960.87
480+7.513	0.29	0.00	0.00	0.00	0.00	0.00	9960.88
481+0.000	6.24	0.00	0.00	0.01	0.12	0.00	9960.99
482+0.000	10.00	0.00	0.00	0.53	5.44	0.00	9966.43
482+13.576	6.79	0.00	0.00	0.65	7.98	0.00	9974.42
482+14.793	0.61	0.00	0.00	0.61	0.76	0.00	9975.18
482+16.010	0.61	0.00	0.00	0.57	0.72	0.00	9975.90
483+0.000	1.99	0.00	0.00	0.49	2.12	0.00	9978.02
484+0.000	10.00	0.00	0.00	0.55	10.39	0.00	9988.41
485+0.000	10.00	0.00	0.00	0.97	15.15	0.00	10003.56
485+2.604	1.30	0.00	0.00	1.11	2.70	0.00	10006.26
485+3.355	0.38	0.00	0.00	1.15	0.77	0.00	10007.04
485+4.107	0.38	0.00	0.00	1.21	0.81	0.00	10007.84
486+0.000	7.95	0.00	0.00	2.62	30.39	0.00	10038.23
487+0.000	10.00	0.00	0.00	1.21	38.22	0.00	10076.45
487+11.469	5.73	0.00	0.00	0.00	6.92	0.00	10083.37
487+13.759	1.14	0.00	0.00	0.00	0.00	0.00	10083.37
487+16.048	1.14	0.00	0.00	0.00	0.00	0.00	10083.37
488+0.000	1.98	0.00	0.00	0.07	0.14	0.00	10083.52
489+0.000	10.00	0.00	0.00	1.30	13.76	0.00	10097.28
490+0.000	10.00	0.00	0.00	8.64	99.42	0.00	10196.70
490+10.854	5.43	0.00	0.00	11.48	109.21	0.00	10305.91
490+11.443	0.29	0.00	0.00	11.46	6.84	0.00	10312.75
490+12.033	0.29	0.00	0.00	11.45	6.81	0.00	10319.57
491+0.000	3.98	0.00	0.00	10.94	89.19	0.00	10408.75
492+0.000	10.00	0.00	0.00	5.12	160.59	0.00	10569.34
493+0.000	10.00	0.00	0.00	1.06	61.81	0.00	10631.15
493+0.740	0.37	0.00	0.00	0.96	0.75	0.00	10631.90
493+1.568	0.41	0.00	0.00	0.89	0.63	0.00	10632.53
493+2.396	0.41	0.00	0.00	0.84	0.58	0.00	10633.11
494+0.000	8.80	0.00	0.00	0.14	8.61	0.00	10641.72
495+0.000	10.00	0.00	0.00	0.00	1.40	0.00	10643.13
495+9.255	4.63	0.00	0.00	0.01	0.05	0.00	10643.18
495+10.397	0.57	0.00	0.00	0.00	0.00	0.00	10643.19
495+11.538	0.57	0.00	0.00	0.00	0.00	0.00	10643.20
496+0.000	4.23	0.00	0.00	0.01	0.07	0.00	10643.27
497+0.000	10.00	0.00	0.00	0.18	1.94	0.00	10645.21
498+0.000	10.00	0.00	0.00	1.41	15.89	0.00	10661.10
498+16.741	8.37	0.00	0.00	2.96	36.56	0.00	10697.66
498+17.965	0.61	0.00	0.00	2.84	3.42	0.00	10701.08
498+19.189	0.61	0.00	0.00	2.75	3.27	0.00	10704.35
499+0.000	0.41	0.00	0.00	2.70	2.21	0.00	10706.56
500+0.000	10.00	0.00	0.00	0.57	32.66	0.00	10739.22
500+4.044	2.02	0.00	0.00	0.10	1.35	0.00	10740.57
500+4.171	0.06	0.00	0.00	0.08	0.01	0.00	10740.58
500+4.297	0.06	0.00	0.00	0.07	0.00	0.00	10740.59
501+0.000	7.85	0.00	0.00	1.46	11.98	0.00	10752.57
502+0.000	10.00	0.00	0.00	0.83	22.85	0.00	10775.42
503+0.000	10.00	0.00	0.00	0.48	13.02	0.00	10788.44
504+0.000	10.00	0.00	0.00	0.99	14.62	0.00	10803.06
505+0.000	10.00	0.00	0.00	1.05	20.35	0.00	10823.41
505+2.167	1.08	0.00	0.00	0.64	1.83	0.00	10825.24
505+3.563	0.70	0.00	0.00	0.39	0.68	0.00	10825.92
505+4.958	0.70	0.00	0.00	0.23	0.40	0.00	10826.32
506+0.000	7.52	0.00	0.00	0.39	4.67	0.00	10830.99
507+0.000	10.00	0.00	0.00	0.35	7.39	0.00	10838.38
507+1.721	0.86	0.00	0.00	0.47	0.71	0.00	10839.09


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QUADRO DE CUBAÇÃO

TRECHO: SEDE À LOC. DE CARNAUBINHA

Estaca Inicial: 0+0.000

Estaca Final: 729+15.925

Estaca	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)
545+6.324	3.16	0.00	0.00	0.30	1.89	0.00	11570.03
545+8.142	0.91	0.00	0.00	0.25	0.50	0.00	11570.53
545+9.959	0.91	0.00	0.00	0.47	0.60	0.00	11571.13
546+0.000	5.02	0.00	0.00	1.99	12.36	0.00	11583.50
546+8.820	4.41	0.00	0.00	0.54	11.15	0.00	11594.65
546+9.729	0.45	0.00	0.00	0.58	0.47	0.00	11595.12
546+10.637	0.45	0.00	0.00	0.64	0.52	0.00	11595.65
547+0.000	4.68	0.00	0.00	0.11	3.52	0.00	11599.17
548+0.000	10.00	0.00	0.00	0.00	1.14	0.00	11600.30
549+0.000	10.00	0.00	0.00	0.01	0.11	0.00	11600.42
550+0.000	10.00	0.00	0.00	0.23	2.37	0.00	11602.78
551+0.000	10.00	0.00	0.00	0.00	2.25	0.00	11605.03
552+0.000	10.00	0.00	0.00	0.00	0.00	0.00	11605.03
553+0.000	10.00	0.00	0.00	0.00	0.00	0.00	11605.03
553+9.363	4.68	0.00	0.00	0.00	0.00	0.00	11605.03
553+9.631	0.13	0.00	0.00	0.00	0.00	0.00	11605.03
553+9.898	0.13	0.00	0.00	0.00	0.00	0.00	11605.03
554+0.000	5.05	0.00	0.00	0.00	0.00	0.00	11605.03
555+0.000	10.00	0.00	0.00	0.26	2.63	0.00	11607.67
556+0.000	10.00	0.00	0.00	0.38	6.44	0.00	11614.11
557+0.000	10.00	0.00	0.00	0.60	9.78	0.00	11623.89
558+0.000	10.00	0.00	0.00	0.76	13.59	0.00	11637.47
558+1.687	0.84	0.00	0.00	0.77	1.30	0.00	11638.77
558+2.307	0.31	0.00	0.00	0.77	0.49	0.00	11639.26
558+2.928	0.31	0.00	0.00	0.76	0.48	0.00	11639.74
559+0.000	8.54	0.00	0.00	1.06	15.54	0.00	11655.28
560+0.000	10.00	0.00	0.00	1.90	29.63	0.00	11684.91
560+13.416	6.71	0.00	0.00	3.12	33.73	0.00	11718.64
560+14.264	0.42	0.00	0.00	3.11	2.71	0.00	11721.35
560+15.113	0.42	0.00	0.00	3.02	2.69	0.00	11724.04
561+0.000	2.44	0.00	0.00	1.68	11.50	0.00	11735.54
562+0.000	10.00	0.00	0.00	0.00	16.82	0.00	11752.36
563+0.000	10.00	0.00	0.00	0.00	0.00	0.00	11752.36
564+0.000	10.00	0.00	0.00	0.00	0.00	0.00	11752.36
564+1.048	0.52	0.00	0.00	0.00	0.00	0.00	11752.36
564+2.723	0.84	0.00	0.00	0.00	0.00	0.00	11752.36
564+4.397	0.84	0.00	0.00	0.00	0.00	0.00	11752.36
565+0.000	7.80	0.00	0.00	0.00	0.00	0.00	11752.36
566+0.000	10.00	0.00	0.00	0.00	0.00	0.00	11752.36
566+5.548	2.77	0.00	0.00	0.00	0.00	0.00	11752.36
566+6.023	0.24	0.00	0.00	0.00	0.00	0.00	11752.36
566+6.498	0.24	0.00	0.00	0.00	0.00	0.00	11752.36
567+0.000	6.75	0.00	0.00	0.00	0.00	0.00	11752.36
568+0.000	10.00	0.00	0.00	0.00	0.03	0.00	11752.39
569+0.000	10.00	0.00	0.00	0.03	0.31	0.00	11752.70
570+0.000	10.00	0.00	0.00	0.00	0.28	0.00	11752.97
570+15.109	7.55	0.00	0.00	0.00	0.00	0.00	11752.97
570+15.529	0.21	0.00	0.00	0.00	0.00	0.00	11752.97
570+15.949	0.21	0.00	0.00	0.00	0.00	0.00	11752.97
571+0.000	2.03	0.00	0.00	0.00	0.00	0.00	11752.97
572+0.000	10.00	0.00	0.00	0.00	0.00	0.00	11752.97
573+0.000	10.00	0.00	0.00	0.00	0.00	0.00	11752.97
574+0.000	10.00	0.00	0.00	0.00	0.00	0.00	11752.97
575+0.000	10.00	0.00	0.00	0.00	0.00	0.00	11752.97
575+9.537	4.77	0.00	0.00	0.00	0.00	0.00	11752.97
575+10.591	0.53	0.00	0.00	0.00	0.00	0.00	11752.97
575+11.646	0.53	0.00	0.00	0.00	0.00	0.00	11752.97
576+0.000	4.18	0.00	0.00	0.00	0.00	0.00	11752.97
577+0.000	10.00	0.00	0.00	0.26	2.63	0.00	11755.60
577+9.718	4.86	0.00	0.00	0.06	1.55	0.00	11757.15
577+11.058	0.67	0.00	0.00	0.04	0.08	0.00	11757.23
577+12.398	0.67	0.00	0.00	0.01	0.04	0.00	11757.28
578+0.000	3.80	0.00	0.00	0.17	0.68	0.00	11757.96
578+14.936	7.47	0.00	0.00	2.58	20.56	0.00	11778.52
578+16.614	0.84	0.00	0.00	2.58	4.78	0.00	11783.31
578+18.292	0.84	0.00	0.00	2.12	4.31	0.00	11787.61
579+0.000	0.85	0.00	0.00	2.17	3.67	0.00	11791.28
580+0.000	10.00	0.00	0.00	0.30	24.75	0.00	11816.03
581+0.000	10.00	0.00	0.00	0.00	3.04	0.00	11819.07
581+3.136	1.57	0.00	0.00	0.00	0.00	0.00	11819.07


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 RPPR-10081400-3



QUADRO DE CUBAÇÃO

TRECHO: SEDE À LOC. DE CARNAUBINHA

Estaca Inicial: 0+0.000

Estaca Final: 729+15.925

Estaca	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)
581+3.329	0.10	0.00	0.00	0.00	0.00	0.00	11819.07
581+3.522	0.10	0.00	0.00	0.00	0.00	0.00	11819.07
582+0.000	8.24	0.00	0.00	0.00	0.00	0.00	11819.07
583+0.000	10.00	0.00	0.00	0.00	0.00	0.00	11819.07
584+0.000	10.00	0.00	0.00	0.00	0.00	0.00	11819.07
585+0.000	10.00	0.00	0.00	0.10	1.03	0.00	11820.10
586+0.000	10.00	0.00	0.00	0.07	1.73	0.00	11821.84
586+7.405	3.70	0.00	0.00	0.47	2.01	0.00	11823.84
586+8.526	0.56	0.00	0.00	0.63	0.66	0.00	11824.51
586+9.647	0.56	0.00	0.00	0.69	0.78	0.00	11825.29
587+0.000	5.18	0.00	0.00	0.04	3.78	0.00	11829.07
587+16.285	8.14	0.00	0.00	0.00	0.36	0.00	11829.43
587+17.549	0.63	0.00	0.00	0.02	0.02	0.00	11829.45
587+18.813	0.63	0.00	0.00	0.00	0.02	0.00	11829.46
588+0.000	0.59	0.00	0.00	0.00	0.00	0.00	11829.46
589+0.000	10.00	0.00	0.00	2.91	29.21	0.00	11858.67
589+4.181	2.09	0.00	0.00	3.38	13.16	0.00	11871.83
589+4.697	0.26	0.00	0.00	3.31	1.79	0.00	11873.62
589+5.213	0.26	0.00	0.00	3.23	1.75	0.00	11875.36
590+0.000	7.39	0.00	0.00	1.81	37.25	0.00	11912.62
591+0.000	10.00	0.00	0.00	3.92	57.25	0.00	11969.87
591+12.759	6.38	0.00	0.00	1.09	31.91	0.00	12001.77
591+13.599	0.42	0.00	0.00	0.99	0.83	0.00	12002.61
591+14.439	0.42	0.00	0.00	0.94	0.77	0.00	12003.37
592+0.000	2.78	0.00	0.00	2.43	9.37	0.00	12012.75
592+14.040	7.02	0.00	0.00	2.38	33.77	0.00	12046.52
592+16.730	1.35	0.00	0.00	0.93	4.12	0.00	12050.64
592+19.420	1.35	0.00	0.00	0.80	1.98	0.00	12052.62
593+0.000	0.29	0.00	0.00	0.78	0.46	0.00	12053.08
593+18.449	9.22	0.00	0.00	0.00	7.23	0.00	12060.32
593+19.289	0.42	0.00	0.00	0.00	0.00	0.00	12060.32
594+0.000	0.36	0.00	0.00	0.00	0.00	0.00	12060.32
594+0.121	0.06	0.00	0.00	0.00	0.00	0.00	12060.32
595+0.000	9.94	0.00	0.00	0.02	0.18	0.00	12060.49
596+0.000	10.00	0.00	0.00	0.15	1.68	0.00	12062.17
596+8.359	4.18	0.00	0.00	0.19	1.42	0.00	12063.59
596+9.657	0.65	0.00	0.00	0.21	0.24	0.00	12063.82
596+10.956	0.65	0.00	0.00	0.24	0.27	0.00	12064.09
597+0.000	4.52	0.00	0.00	0.00	1.10	0.00	12065.19
597+6.756	3.38	0.00	0.00	0.00	0.00	0.00	12065.19
597+12.256	2.75	0.00	0.00	0.00	0.00	0.00	12065.19
597+17.757	2.75	0.00	0.00	0.00	0.00	0.00	12065.19
598+0.000	1.12	0.00	0.00	0.00	0.00	0.00	12065.19
598+10.715	5.36	0.00	0.00	0.00	0.00	0.00	12065.19
598+14.984	2.13	0.00	0.00	0.03	0.07	0.00	12065.26
598+19.254	2.13	0.00	0.00	0.00	0.08	0.00	12065.34
599+0.000	0.37	0.00	0.00	0.01	0.00	0.00	12065.35
600+0.000	10.00	0.00	0.00	1.17	11.78	0.00	12077.12
601+0.000	10.00	0.00	0.00	1.63	27.97	0.00	12105.10
601+4.149	2.07	0.00	0.00	1.30	6.08	0.00	12111.18
601+5.065	0.46	0.00	0.00	1.25	1.21	0.00	12112.39
601+5.980	0.46	0.00	0.00	1.23	1.18	0.00	12113.57
602+0.000	7.01	0.00	0.00	1.02	15.79	0.00	12129.36
603+0.000	10.00	0.00	0.00	0.67	16.95	0.00	12146.31
604+0.000	10.00	0.00	0.00	0.27	9.46	0.00	12155.77
605+0.000	10.00	0.00	0.00	0.10	3.69	0.00	12159.46
605+7.075	3.54	0.00	0.00	0.12	0.78	0.00	12160.24
605+7.560	0.24	0.00	0.00	0.12	0.06	0.00	12160.30
605+8.044	0.24	0.00	0.00	0.11	0.06	0.00	12160.36
606+0.000	5.98	0.00	0.00	0.00	0.68	0.00	12161.05
606+7.106	3.55	0.00	0.00	0.00	0.00	0.00	12161.05
606+11.068	1.98	0.00	0.00	0.00	0.00	0.00	12161.05
606+15.030	1.98	0.00	0.00	0.00	0.00	0.00	12161.05
607+0.000	2.48	0.00	0.00	0.00	0.00	0.00	12161.05
607+12.558	6.28	0.00	0.00	0.00	0.00	0.00	12161.05
607+15.882	1.66	0.00	0.00	0.00	0.00	0.00	12161.05
607+19.206	1.66	0.00	0.00	0.00	0.00	0.00	12161.05
608+0.000	0.40	0.00	0.00	0.00	0.00	0.00	12161.05
609+0.000	10.00	0.00	0.00	0.04	0.44	0.00	12161.49
610+0.000	10.00	0.00	0.00	0.00	0.44	0.00	12161.93



QUADRO DE CUBAÇÃO

TRECHO: SEDE Á LOC. DE CARNAUBINHA
 Estaca Inicial: 0+0.000
 Estaca Final: 729+15.925

Estaca	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)
611+0.000	10.00	0.00	0.00	0.00	0.00	0.00	12161.93
611+0.600	0.30	0.00	0.00	0.00	0.00	0.00	12161.93
611+4.180	1.79	0.00	0.00	0.00	0.00	0.00	12161.93
611+7.759	1.79	0.00	0.00	0.00	0.00	0.00	12161.93
612+0.000	6.12	0.00	0.00	0.00	0.00	0.00	12161.93
612+0.387	0.19	0.00	0.00	0.00	0.00	0.00	12161.93
612+4.337	1.97	0.00	0.00	0.00	0.00	0.00	12161.93
612+8.286	1.97	0.00	0.00	0.00	0.00	0.00	12161.93
613+0.000	5.86	0.00	0.00	0.02	0.12	0.00	12162.06
614+0.000	10.00	0.00	0.00	0.53	5.54	0.00	12167.60
614+8.251	4.13	0.00	0.00	0.78	5.44	0.00	12173.04
614+8.700	0.22	0.00	0.00	0.80	0.36	0.00	12173.40
614+9.148	0.22	0.00	0.00	0.81	0.36	0.00	12173.76
615+0.000	5.43	0.00	0.00	0.91	9.33	0.00	12183.09
616+0.000	10.00	0.00	0.00	0.70	16.08	0.00	12199.17
617+0.000	10.00	0.00	0.00	0.59	12.94	0.00	12212.11
617+17.681	8.84	0.00	0.00	0.00	5.27	0.00	12217.38
617+18.971	0.64	0.00	0.00	0.02	0.01	0.00	12217.39
618+0.000	0.51	0.00	0.00	0.06	0.03	0.00	12217.43
618+0.261	0.13	0.00	0.00	0.06	0.01	0.00	12217.44
619+0.000	9.87	0.00	0.00	0.00	0.63	0.00	12218.07
619+1.016	0.51	0.00	0.00	0.00	0.00	0.00	12218.07
619+2.834	0.91	0.00	0.00	0.00	0.00	0.00	12218.07
619+4.651	0.91	0.00	0.00	0.00	0.00	0.00	12218.07
620+0.000	7.67	0.00	0.00	0.00	0.00	0.00	12218.07
621+0.000	10.00	0.00	0.00	0.43	4.34	0.00	12222.41
621+10.596	5.30	0.00	0.00	0.03	2.48	0.00	12224.89
621+11.985	0.70	0.00	0.00	0.00	0.02	0.00	12224.91
621+13.383	0.70	0.00	0.00	0.00	0.00	0.00	12224.91
622+0.000	3.31	0.00	0.00	0.00	0.00	0.00	12224.91
622+12.579	6.29	0.00	0.00	0.00	0.00	0.00	12224.91
622+13.083	0.25	0.00	0.00	0.00	0.00	0.00	12224.91
622+13.588	0.25	0.00	0.00	0.00	0.00	0.00	12224.91
623+0.000	3.21	0.00	0.00	0.00	0.00	0.00	12224.91
624+0.000	10.00	0.00	0.00	0.54	5.44	0.00	12230.35
624+19.889	9.94	0.00	0.00	0.44	9.83	0.00	12240.18
625+0.000	0.06	0.00	0.00	0.45	0.05	0.00	12240.23
625+0.590	0.30	0.00	0.00	0.46	0.26	0.00	12240.49
625+1.291	0.35	0.00	0.00	0.48	0.32	0.00	12240.81
626+0.000	9.35	0.00	0.00	1.16	15.37	0.00	12256.18
627+0.000	10.00	0.00	0.00	1.16	23.22	0.00	12279.41
628+0.000	10.00	0.00	0.00	0.45	16.12	0.00	12295.52
628+3.122	1.56	0.00	0.00	0.34	1.23	0.00	12296.75
628+3.338	0.11	0.00	0.00	0.33	0.07	0.00	12296.83
628+3.554	0.11	0.00	0.00	0.32	0.07	0.00	12296.90
629+0.000	8.22	0.00	0.00	0.00	2.64	0.00	12299.54
630+0.000	10.00	0.00	0.00	0.00	0.00	0.00	12299.54
631+0.000	10.00	0.00	0.00	0.00	0.00	0.00	12299.54
631+8.576	4.29	0.00	0.00	0.00	0.00	0.00	12299.54
631+8.825	0.12	0.00	0.00	0.00	0.00	0.00	12299.54
631+9.075	0.12	0.00	0.00	0.00	0.00	0.00	12299.54
632+0.000	5.46	0.00	0.00	0.00	0.00	0.00	12299.54
633+0.000	10.00	0.00	0.00	0.00	0.00	0.00	12299.54
634+0.000	10.00	0.00	0.00	0.00	0.00	0.00	12299.54
635+0.000	10.00	0.00	0.00	0.76	7.55	0.00	12307.09
636+0.000	10.00	0.00	0.00	0.42	11.70	0.00	12318.79
636+6.456	3.23	0.00	0.00	0.40	2.64	0.00	12321.43
636+7.136	0.34	0.00	0.00	0.41	0.28	0.00	12321.71
636+7.817	0.34	0.00	0.00	0.41	0.28	0.00	12322.00
637+0.000	6.09	0.00	0.00	0.03	2.72	0.00	12324.72
638+0.000	10.00	0.00	0.00	0.00	0.32	0.00	12325.04
639+0.000	10.00	0.00	0.00	0.00	0.00	0.00	12325.04
640+0.000	10.00	0.00	0.00	0.00	0.00	0.00	12325.04
640+13.272	6.64	0.00	0.00	0.00	0.00	0.00	12325.04
640+13.534	0.13	0.00	0.00	0.00	0.00	0.00	12325.04
640+13.796	0.13	0.00	0.00	0.00	0.00	0.00	12325.04
641+0.000	3.10	0.00	0.00	0.00	0.00	0.00	12325.04
642+0.000	10.00	0.00	0.00	0.66	6.58	0.00	12331.62
643+0.000	10.00	0.00	0.00	1.10	17.55	0.00	12349.17
644+0.000	10.00	0.00	0.00	0.58	16.80	0.00	12365.97

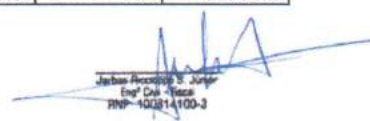

 Jarbas Accioly B. Junior
 Engº Civil - RSCC
 RNP - 100814103-3



QUADRO DE CUBAÇÃO

TRECHO: SEDE À LOC. DE CARNAUBINHA
 Estaca Inicial: 0+0.000
 Estaca Final: 729+15.925

Estaca	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)
644+4.558	2.28	0.00	0.00	0.59	2.67	0.00	12368.64
644+7.167	1.30	0.00	0.00	0.76	1.67	0.00	12370.31
644+9.776	1.30	0.00	0.00	0.93	2.17	0.00	12372.48
645+0.000	5.11	0.00	0.00	1.50	12.41	0.00	12384.89
645+10.797	5.40	0.00	0.00	2.08	19.32	0.00	12404.22
645+11.996	0.60	0.00	0.00	2.13	2.54	0.00	12406.76
645+13.196	0.60	0.00	0.00	2.02	2.50	0.00	12409.26
646+0.000	3.40	0.00	0.00	1.24	11.06	0.00	12420.32
646+16.887	8.44	0.00	0.00	0.96	18.54	0.00	12438.86
646+18.919	1.02	0.00	0.00	0.78	1.82	0.00	12440.68
647+0.000	0.54	0.00	0.00	0.63	0.80	0.00	12441.47
647+0.951	0.48	0.00	0.00	0.50	0.57	0.00	12442.04
648+0.000	9.52	0.00	0.00	0.00	4.76	0.00	12446.80
649+0.000	10.00	0.00	0.00	0.39	3.93	0.00	12450.73
650+0.000	10.00	0.00	0.00	0.00	3.93	0.00	12454.65
651+0.000	10.00	0.00	0.00	0.00	0.00	0.00	12454.65
651+6.107	3.05	0.00	0.00	0.28	0.85	0.00	12455.50
651+6.255	0.07	0.00	0.00	0.29	0.04	0.00	12455.54
651+6.404	0.07	0.00	0.00	0.30	0.04	0.00	12455.59
652+0.000	6.80	0.00	0.00	0.33	4.33	0.00	12459.92
653+0.000	10.00	0.00	0.00	0.70	10.33	0.00	12470.24
653+10.493	5.25	0.00	0.00	1.18	9.87	0.00	12480.11
653+10.954	0.23	0.00	0.00	1.21	0.55	0.00	12480.66
653+11.415	0.23	0.00	0.00	1.23	0.56	0.00	12481.22
654+0.000	4.29	0.00	0.00	1.70	12.59	0.00	12493.81
654+16.182	8.09	0.00	0.00	3.15	39.19	0.00	12533.00
654+16.248	0.03	0.00	0.00	3.14	0.21	0.00	12533.21
654+16.313	0.03	0.00	0.00	3.14	0.21	0.00	12533.41
655+0.000	1.84	0.00	0.00	1.98	9.43	0.00	12542.84
656+0.000	10.00	0.00	0.00	0.00	19.79	0.00	12562.64
657+0.000	10.00	0.00	0.00	0.00	0.00	0.00	12562.64
657+0.633	0.32	0.00	0.00	0.00	0.00	0.00	12562.64
657+1.990	0.68	0.00	0.00	0.00	0.00	0.00	12562.64
657+3.347	0.68	0.00	0.00	0.00	0.00	0.00	12562.64
658+0.000	8.33	0.00	0.00	0.00	0.00	0.00	12562.64
658+4.689	2.34	0.00	0.00	0.74	1.74	0.00	12564.37
658+5.825	0.57	0.00	0.00	1.17	1.03	0.00	12565.40
658+6.962	0.57	0.00	0.00	1.40	1.45	0.00	12566.86
659+0.000	6.52	0.00	0.00	0.55	12.75	0.00	12579.61
660+0.000	10.00	0.00	0.00	0.00	5.54	0.00	12585.15
660+6.514	3.26	0.00	0.00	0.00	0.00	0.00	12585.15
660+7.392	0.44	0.00	0.00	0.00	0.00	0.00	12585.15
660+8.270	0.44	0.00	0.00	0.00	0.00	0.00	12585.15
661+0.000	5.87	0.00	0.00	0.44	2.58	0.00	12587.73
662+0.000	10.00	0.00	0.00	1.71	21.47	0.00	12609.20
662+5.104	2.55	0.00	0.00	2.83	11.59	0.00	12620.79
662+5.624	0.26	0.00	0.00	2.81	1.48	0.00	12622.27
662+6.143	0.26	0.00	0.00	2.79	1.46	0.00	12623.73
663+0.000	6.93	0.00	0.00	2.20	34.57	0.00	12658.30
664+0.000	10.00	0.00	0.00	0.83	30.32	0.00	12688.62
665+0.000	10.00	0.00	0.00	0.08	9.14	0.00	12697.76
666+0.000	10.00	0.00	0.00	0.20	2.79	0.00	12700.55
667+0.000	10.00	0.00	0.00	0.51	7.07	0.00	12707.62
668+0.000	10.00	0.00	0.00	0.60	11.05	0.00	12718.66
669+0.000	10.00	0.00	0.00	0.95	15.44	0.00	12734.10
669+16.818	8.41	0.00	0.00	2.03	25.02	0.00	12759.12
669+17.478	0.33	0.00	0.00	2.04	1.32	0.00	12760.45
669+18.138	0.33	0.00	0.00	2.05	1.33	0.00	12761.77
670+0.000	0.93	0.00	0.00	1.96	3.74	0.00	12765.51
671+0.000	10.00	0.00	0.00	2.00	39.64	0.00	12805.15
672+0.000	10.00	0.00	0.00	0.32	23.18	0.00	12828.33
672+4.717	2.36	0.00	0.00	0.61	2.20	0.00	12830.53
672+5.198	0.24	0.00	0.00	0.72	0.33	0.00	12830.86
672+5.680	0.24	0.00	0.00	0.83	0.38	0.00	12831.24
673+0.000	7.16	0.00	0.00	1.40	15.95	0.00	12847.18
674+0.000	10.00	0.00	0.00	1.83	32.23	0.00	12879.41
674+10.304	5.15	0.00	0.00	0.89	13.97	0.00	12893.38
674+10.961	0.33	0.00	0.00	0.83	0.56	0.00	12893.94
674+11.619	0.33	0.00	0.00	0.85	0.54	0.00	12894.48
675+0.000	4.19	0.00	0.00	0.78	6.80	0.00	12901.28


 Engº Carlos E. Jorge
 RNP-100814100-3



QUADRO DE CUBAÇÃO

TRECHO: SEDE À LOC. DE CARNAUBINHA
 Estaca Inicial: 0+0.000
 Estaca Final: 729+15.925

Estaca	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)
676+0.000	10.00	0.00	0.00	0.02	7.92	0.00	12909.20
676+12.755	6.38	0.00	0.00	0.00	0.11	0.00	12909.31
676+13.279	0.26	0.00	0.00	0.00	0.00	0.00	12909.31
676+13.802	0.26	0.00	0.00	0.00	0.00	0.00	12909.31
677+0.000	3.10	0.00	0.00	0.00	0.00	0.00	12909.31
678+0.000	10.00	0.00	0.00	0.00	0.00	0.00	12909.31
679+0.000	10.00	0.00	0.00	0.00	0.00	0.00	12909.31
680+0.000	10.00	0.00	0.00	0.02	0.24	0.00	12909.55
681+0.000	10.00	0.00	0.00	0.00	0.24	0.00	12909.79
681+1.261	0.63	0.00	0.00	0.00	0.00	0.00	12909.79
681+1.385	0.06	0.00	0.00	0.00	0.00	0.00	12909.79
681+1.508	0.06	0.00	0.00	0.00	0.00	0.00	12909.79
682+0.000	9.25	0.00	0.00	0.00	0.00	0.00	12909.79
683+0.000	10.00	0.00	0.00	0.00	0.00	0.00	12909.79
684+0.000	10.00	0.00	0.00	0.00	0.00	0.00	12909.79
685+0.000	10.00	0.00	0.00	0.02	0.16	0.00	12909.96
685+16.851	8.43	0.00	0.00	1.12	9.54	0.00	12919.49
685+17.089	0.12	0.00	0.00	1.06	0.26	0.00	12919.75
685+17.328	0.12	0.00	0.00	1.01	0.25	0.00	12920.00
686+0.000	1.34	0.00	0.00	0.46	1.97	0.00	12921.97
687+0.000	10.00	0.00	0.00	0.00	4.61	0.00	12926.57
688+0.000	10.00	0.00	0.00	0.00	0.00	0.00	12926.57
689+0.000	10.00	0.00	0.00	0.00	0.00	0.00	12926.57
690+0.000	10.00	0.00	0.00	0.28	2.83	0.00	12929.40
691+0.000	10.00	0.00	0.00	0.06	3.42	0.00	12932.82
691+13.610	6.80	0.00	0.00	0.00	0.41	0.00	12933.23
691+14.090	0.24	0.00	0.00	0.00	0.00	0.00	12933.23
691+14.570	0.24	0.00	0.00	0.00	0.00	0.00	12933.23
692+0.000	2.72	0.00	0.00	0.00	0.00	0.00	12933.23
693+0.000	10.00	0.00	0.00	0.00	0.00	0.00	12933.23
694+0.000	10.00	0.00	0.00	2.13	21.26	0.00	12954.49
694+18.269	9.13	0.00	0.00	0.00	19.42	0.00	12973.91
694+18.445	0.09	0.00	0.00	0.00	0.00	0.00	12973.91
694+18.621	0.09	0.00	0.00	0.00	0.00	0.00	12973.91
695+0.000	0.69	0.00	0.00	0.00	0.00	0.00	12973.91
696+0.000	10.00	0.00	0.00	1.01	10.14	0.00	12984.05
697+0.000	10.00	0.00	0.00	3.99	50.01	0.00	13034.06
698+0.000	10.00	0.00	0.00	0.82	48.07	0.00	13082.13
699+0.000	10.00	0.00	0.00	2.12	29.38	0.00	13111.52
699+8.567	4.28	0.00	0.00	2.56	20.02	0.00	13131.54
699+8.684	0.06	0.00	0.00	2.68	0.31	0.00	13131.85
699+8.802	0.06	0.00	0.00	2.81	0.32	0.00	13132.17
700+0.000	5.60	0.00	0.00	1.49	24.05	0.00	13156.23
701+0.000	10.00	0.00	0.00	0.00	14.89	0.00	13171.12
702+0.000	10.00	0.00	0.00	0.00	0.00	0.00	13171.12
703+0.000	10.00	0.00	0.00	0.00	0.00	0.00	13171.12
704+0.000	10.00	0.00	0.00	1.82	18.24	0.00	13189.36
705+0.000	10.00	0.00	0.00	4.51	63.29	0.00	13252.65
706+0.000	10.00	0.00	0.00	2.86	73.61	0.00	13326.26
706+7.008	3.50	0.00	0.00	1.13	13.98	0.00	13340.24
706+8.080	0.54	0.00	0.00	0.91	1.24	0.00	13341.48
706+9.153	0.54	0.00	0.00	0.65	0.95	0.00	13342.43
707+0.000	5.42	0.00	0.00	0.00	3.54	0.00	13345.97
707+17.025	8.51	0.00	0.00	0.00	0.00	0.00	13345.97
707+18.670	0.82	0.00	0.00	0.00	0.00	0.00	13345.97
708+0.000	0.67	0.00	0.00	0.00	0.00	0.00	13345.97
708+0.315	0.16	0.00	0.00	0.00	0.00	0.00	13345.97
709+0.000	9.84	0.00	0.00	0.56	5.54	0.00	13351.50
710+0.000	10.00	0.00	0.00	1.53	20.93	0.00	13372.43
710+3.874	1.94	0.00	0.00	1.96	6.77	0.00	13379.20
710+4.656	0.39	0.00	0.00	1.91	1.49	0.00	13380.70
710+5.438	0.39	0.00	0.00	1.87	1.47	0.00	13382.16
711+0.000	7.28	0.00	0.00	2.68	33.16	0.00	13415.33
712+0.000	10.00	0.00	0.00	1.19	38.77	0.00	13454.10
713+0.000	10.00	0.00	0.00	0.91	21.00	0.00	13475.10
714+0.000	10.00	0.00	0.00	1.13	20.38	0.00	13495.48
715+0.000	10.00	0.00	0.00	1.34	24.73	0.00	13520.21
716+0.000	10.00	0.00	0.00	1.40	27.46	0.00	13547.67
717+0.000	10.00	0.00	0.00	0.97	23.79	0.00	13571.46
718+0.000	10.00	0.00	0.00	0.00	9.74	0.00	13581.20

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QUADRO DE CUBAÇÃO

TRECHO: SEDE À LOC. DE CARNAUBINHA

Estaca Inicial: 0+0.000

Estaca Final: 729+15.925



Estaca	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Acum. Aterro (m ³)
718+1.817	0.91	0.00	0.00	0.00	0.00	0.00	13581.20
718+2.219	0.20	0.00	0.00	0.00	0.00	0.00	13581.20
718+2.621	0.20	0.00	0.00	0.00	0.00	0.00	13581.20
719+0.000	8.69	0.00	0.00	0.00	0.00	0.00	13581.20
720+0.000	10.00	0.00	0.00	0.00	0.07	0.00	13581.27
720+4.608	2.30	0.00	0.00	0.00	0.02	0.00	13581.29
720+4.896	0.14	0.00	0.00	0.00	0.00	0.00	13581.29
720+5.183	0.14	0.00	0.00	0.00	0.00	0.00	13581.29
721+0.000	7.41	0.00	0.00	0.00	0.00	0.00	13581.29
722+0.000	10.00	0.00	0.00	0.00	0.00	0.00	13581.29
723+0.000	10.00	0.00	0.00	0.00	0.00	0.00	13581.29
724+0.000	10.00	0.00	0.00	0.00	0.00	0.00	13581.29
725+0.000	10.00	0.00	0.00	0.00	0.00	0.00	13581.29
726+0.000	10.00	0.00	0.00	0.01	0.11	0.00	13581.40
727+0.000	10.00	0.00	0.00	0.17	1.79	0.00	13583.19
728+0.000	10.00	0.00	0.00	0.00	1.75	0.00	13584.93
728+7.766	3.88	0.00	0.00	0.34	1.34	0.00	13586.28
728+10.867	1.55	0.00	0.00	0.33	1.03	0.00	13587.31
728+13.969	1.55	0.00	0.00	0.39	1.12	0.00	13588.43
729+0.000	3.02	0.00	0.00	0.67	3.19	0.00	13591.62
729+15.925	7.96	0.00	0.00	0.18	6.74	0.00	13598.36

Jéfson Perceval S. Junior

 Eng. Civil - Rubrica

 RNP-100214100-3

17. PEÇAS GRAFICAS