



ROTA: 40

ITINERÁRIO: SEDE DO MUNICÍPIO DE MASSAPÊ PARA O MUNICÍPIO DE SOBRAL

ESCOLA: UNIVERSIDADE ESTADUAL VALE DO ACARAÚ / CENTRO DE CIÊNCIAS HUMANAS - CCH

TURNO: MANHÃ

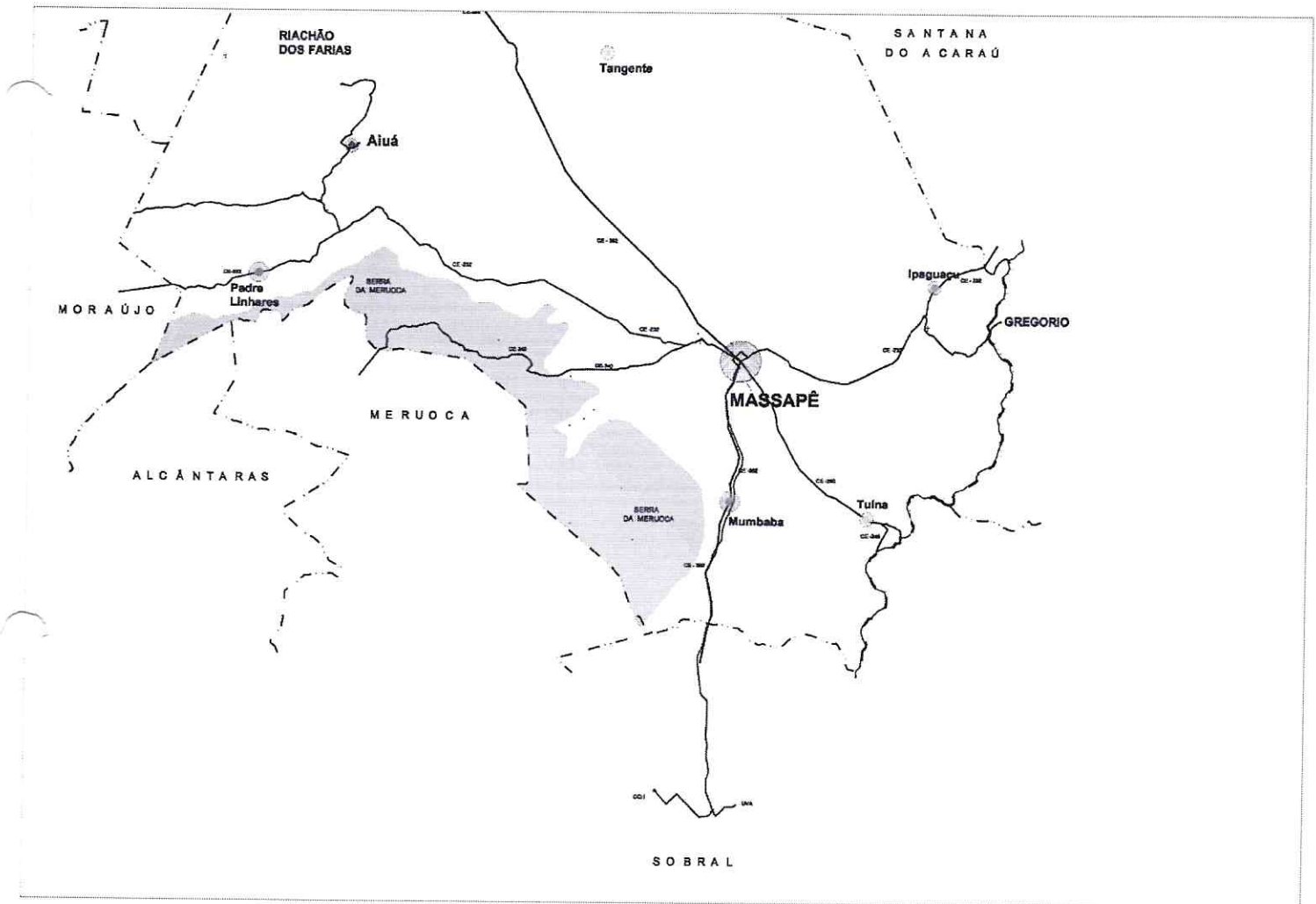
PAVIMENTAÇÃO: CALÇAMENTO / ASFALTO

COORDENADA INICIAL: LESTE: 350.960 NORTE: 9.610.110

COORDENADA FINAL: LESTE: 347.934.311 NORTE: 9.593.808.085

EXTENSÃO DA ROTA (KM): 23,50

EXTENSÃO DA ROTA IDA E VOLTA (KM): 47,00





REFERÊNCIA	COORDENADA ESTE	COORDENADA NORTE
0	350.960	9.610.110
1	350.785.394	9.609.830.125
2	350754.71	9.609.623.381
3	350.706.876	9.609.449.814
4	350519.15	9.609.179.439
5	350446.16	9.609.029.451
6	350.444.526	9608891.2
7	350.461.271	9.608.654.737
8	350.485.834	9.608.334.639
9	350.511.843	9.608.175.252
10	350.546.454	9.608.068.481
11	350.900.991	9607224.57
12	351.095.802	9.606.762.496
13	351.122.081	9606658.27
14	351.099.925	9.606.417.995
15	351.005.334	9.606.107.511
16	350.866.011	9.605.881.675
17	350.822.788	9.605.782.572
18	350.800.553	9.605.663.452
19	350.814.018	9.605.413.115
20	350.823.137	9.605.132.558
21	350.740.961	9.604.805.444
22	350.459.227	9.604.125.161
23	350.405.753	9.603.931.369
24	350.368.629	9.603.612.848
25	350.362.214	9.603.528.747
26	350.275.856	9.603.359.398
27	350.113.331	9.603.086.637
28	350.023.907	9.602.912.764
29	349.940.366	9.602.568.999
30	349.796.683	9.602.247.265
31	349767.8	9.602.198.384
32	349.822.857	9602001.69
33	349.906.329	9.601.479.813
34	349976.26	9.601.133.206
35	349.991.885	9.600.832.044
36	350.000.665	9.600.563.008
37	349959.59	9.600.436.089
38	349.819.597	9.600.062.831





39	349739.93	9.599.649.115
40	349.692.824	9.599.413.448
41	349.594.113	9.599.200.733
42	349.535.264	9.599.069.049
43	349.509.206	9.598.934.778
44	349.530.586	9.598.585.845
45	349.584.955	9.598.109.226
46	349.624.794	9597798.86
47	349.639.639	9.597.638.866
48	349.669.124	9.597.545.772
49	349.794.111	9.597.400.499
50	349880.08	9.597.297.917
51	349.900.053	9.597.245.085
52	349.893.944	9.596.697.343
53	349.879.779	9.596.111.211
54	349.874.102	9.595.926.708
55	349.884.521	9.595.807.094
56	349.925.846	9.595.602.583
57	349.911.689	9595397.38
58	349.903.752	9.595.170.182
59	349.926.789	9.595.000.985
60	349.959.001	9.594.853.156
61	349.983.162	9.594.641.202
62	349.973.175	9.594.516.386
63	349.910.541	9594323.02
64	349.893.446	9.593.867.854
65	349.985.806	9.593.608.135
66	350.145.342	9.593.194.214
67	350.154.734	9593162.62
68	350.137.154	9.593.129.449
69	350.149.854	9.593.104.068
70	350.162.001	9.593.086.411
71	350.184.639	9.593.080.342
72	350.211.693	9.593.054.408
73	350239.3	9.592.966.676
74	350.297.322	9.592.890.381
75	350.497.079	9593094.36
76	350600.97	9593189.53
77	350.632.353	9.593.225.219
78	350.793.779	9.593.228.515
79	350.899.832	9.593.228.515





80	350.970.212	9.593.238.391
81	351.023.102	9.593.266.118
82	351.052.582	9.593.297.311
83	351.045.646	9.593.331.104
84	351.023.968	9.593.338.036
85	351.008.362	9.593.312.908
86	350.989.287	9.593.283.448
87	350.967.612	9.593.266.118
88	350.933.796	9.593.244.457
89	350.892.178	9.593.233.192
90	350.762.989	9.593.236.658
91	350.639.869	9.593.234.059
92	350.599.118	9.593.195.067
93	350.430.757	9.593.034.584
94	350306.77	9.592.916.745
95	350.278.109	9.592.909.834
96	350.184.469	9.593.085.728
97	350.191.405	9.593.102.192
98	350.202.677	9.593.122.121
99	350.203.544	9.593.142.916
100	350.183.602	9.593.159.379
101	350.146.319	9.593.148.115
102	350142.85	9.593.117.788
103	350.145.452	9.593.073.598
104	350.117.707	9.593.021.609
105	350.053.336	9.592.926.145
106	349.988.308	9.592.881.088
107	349.905.072	9.592.862.892
108	349.776.749	9.592.861.159
109	349670.97	9.592.853.361
110	349.644.959	9592855.96
111	349.322.216	9.593.187.896
112	349032.2	9.593.480.129
113	348.815.712	9.593.716.885
114	348.416.437	9.593.339.733
115	348.143.989	9.593.624.395
116	348.056.851	9.593.704.675
117	347.972.433	9.593.882.922
118	347.897.548	9593839.38
119	347.934.311	9.593.808.085





ROTA: 41

ITINERÁRIO: SEDE DO MUNICÍPIO DE MASSAPÊ PARA O MUNICÍPIO DE SOBRAL
ESCOLA: CENTRO UNIVERSITÁRIO INTA / INSTITUTO FEDERAL DE EDUCAÇÃO,
CIÊNCIA E TECNOLOGIA DO CEARÁ / UNIVERSIDADE FEDERAL DO CEARÁ /
UNIVERSIDADE ESTADUAL VALE DO ACARAÚ

TURNO: MANHÃ

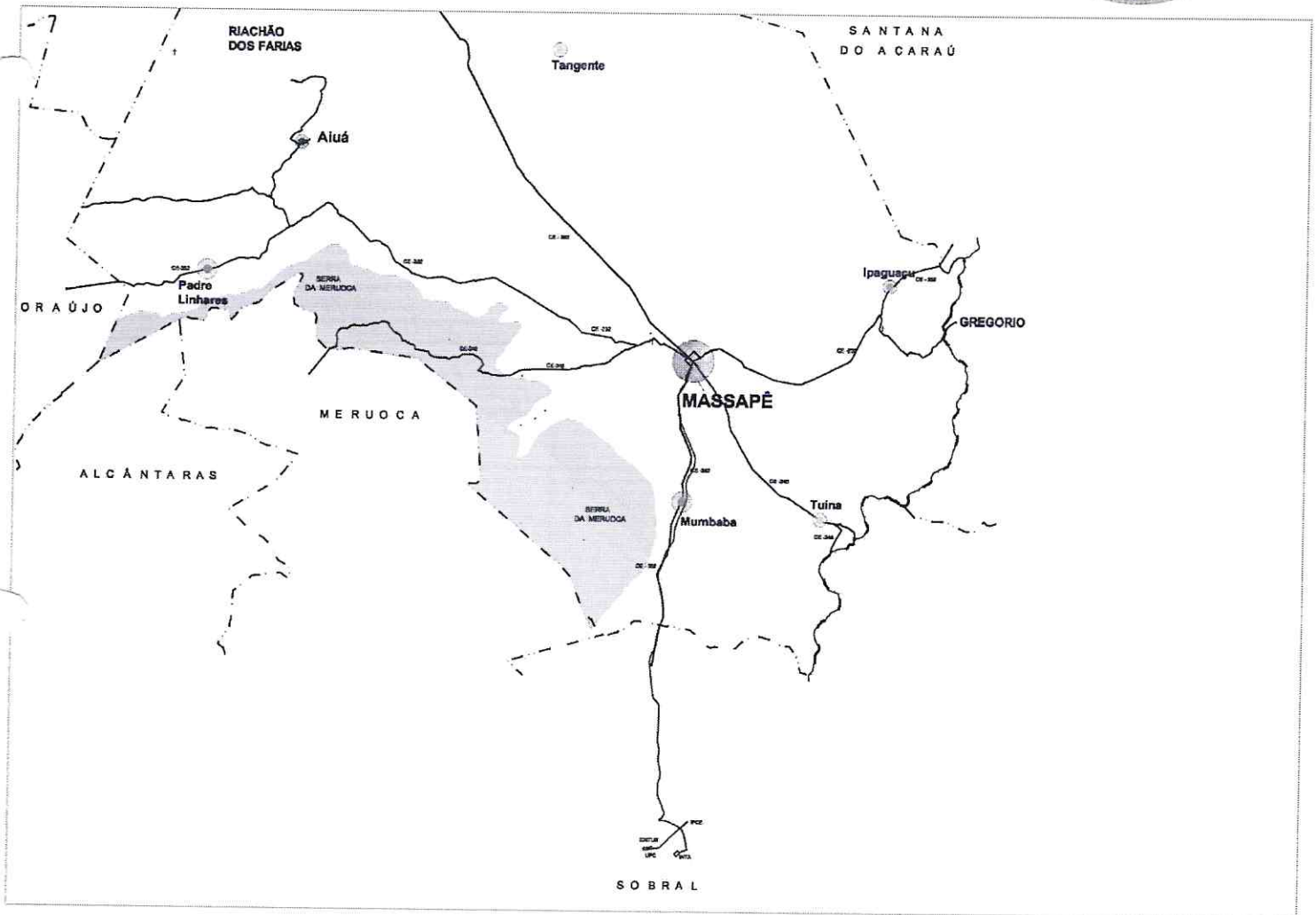
PAVIMENTAÇÃO: CALÇAMENTO / ASFALTO

COORDENADA INICIAL: LESTE: 350.962.062 NORTE: 9.610.106.373

COORDENADA FINAL: LESTE: 349.760.635 NORTE: 9.591.860.445

EXTENSÃO DA ROTA (KM): 24,50

EXTENSÃO DA ROTA IDA E VOLTA (KM): 49,00





REFERÊNCIA	COORDENADA ESTE	COORDENADA NORTE
0	350.962.062	9.610.106.373
1	350.780.229	9.609.831.543
2	350.773.897	9.609.795.381
3	350.753.903	9.609.597.373
4	350.733.639	9.609.517.636
5	350.712.109	9.609.441.696
6	350.505.447	9.609.163.823
7	350.447.189	9.609.056.241
8	350.447.189	9.608.771.466
9	350.482.743	9.608.529.248
10	350.486.541	9.608.387.493
11	350.499.208	9608219.16
12	350.581.589	9.607.974.314
13	350.665.177	9.607.771.808
14	350.777.979	9.607.527.419
15	350.881.682	9.607.300.273
16	351.029.503	9.606.924.767
17	351.124.682	9.606.714.655
18	351.131.784	9606611.02
19	351.107.876	9.606.384.136
20	351.036.384	9.606.173.368
21	350984.55	9.606.053.695
22	350850.36	9605858.31
23	350.812.825	9.605.715.416
24	350.796.739	9.605.538.586
25	350.832.486	9605331.39
26	350.830.664	9.605.010.722
27	350.769.894	9.604.817.816
28	350.601.749	9.604.458.087
29	350.501.659	9.604.215.168
30	350.412.185	9.603.894.635
31	350.385.375	9603733.88
32	350.365.713	9603519.54
33	350.351.415	9.603.455.238
34	350.163.568	9.603.165.122
35	350.099.225	9.603.032.945
36	350.038.455	9.602.915.058
37	350.024.157	9.602.784.668
38	349.977.517	9.602.657.275



39	349.945.345	9.602.532.244
40	349.830.955	9.602.287.538
41	349.798.739	9.602.190.392
42	349.802.313	9.602.031.423
43	349.920.277	9.601.572.377
44	349.982.907	9601192.99
45	350.007.901	9.600.840.477
46	350.023.987	9.600.579.697
47	349.955.753	9.600.357.279
48	349.827.574	9.600.024.682
49	349.753.146	9.599.655.188
50	349.701.424	9.599.367.536
51	349.613.723	9.599.216.968
52	349.546.261	9.599.032.691
53	349.531.828	9.598.888.189
54	349.561.226	9.598.520.359
55	349.604.078	9.598.145.231
56	349.641.756	9.597.810.293
57	349.674.216	9.597.616.938
58	349.692.378	9.597.548.228
59	349.723.511	9.597.496.371
60	349.788.375	9.597.438.033
61	349.899.575	9597316.37
62	349920.44	9.597.238.917
63	349.921.932	9.597.095.926
64	349.916.449	9596724.61
65	349.919.768	9.596.363.198
66	349.906.395	9.596.105.907
67	349.906.395	9.595.898.737
68	349.921.855	9.595.753.509
69	349.951.323	9.595.647.761
70	349.951.323	9.595.529.966
71	349.939.267	9.595.300.472
72	349928.55	9.595.135.827
73	349.964.716	9.594.979.214
74	349.984.784	9.594.858.133
75	350.006.215	9.594.638.606
76	350.007.555	9.594.544.906
77	349.980.766	9.594.445.851
78	349.929.817	9594322.22
79	349923.12	9.594.267.338





80	349.925.806	9593975.07
81	349.928.483	9.593.878.692
82	350.016.981	9.593.605.253
83	350.108.065	9.593.387.065
84	350.181.115	9.593.177.654
85	350.183.182	9.593.154.936
86	350183.87	9.593.131.529
87	350.187.316	9.593.108.122
88	350133.57	9.593.017.064
89	350.066.652	9.592.924.959
90	350.019.394	9.592.889.877
91	350.028.846	9.592.866.938
92	350.089.605	9.592.872.335
93	350.203.023	9.592.864.239
94	350.405.823	9.592.789.668
95	350.588.102	9592704.66
96	350.757.086	9.592.597.792
97	350.773.667	9.592.576.644
98	350.788.402	9.592.553.258
99	350.824.804	9.592.526.406
100	350.857.739	9.592.485.697
101	350.903.722	9592406.16
102	350.941.291	9.592.314.483
103	350.970.998	9.592.150.056
104	351.015.582	9.591.927.202
105	351.029.561	9.591.796.234
106	351.026.065	9.591.763.056
107	350.866.979	9.591.687.796
108	350.814.557	9.591.663.349
109	350.780.485	9.591.610.089
110	350.683.506	9.591.524.523
111	350.669.527	9.591.508.808
112	350597.01	9591576.91
113	350.622.348	9.591.620.567
114	350.698.358	9.591.695.654
115	350.722.821	9.591.699.147
116	350770	9.591.656.364
117	350.827.664	9.591.651.999
118	350.905.422	9.591.691.288
119	351.014.633	9591727.96
120	351.061.812	9.591.748.915



121	351.063.773	9.591.778.813
122	351.056.772	9.591.842.471
123	351.022.467	9.592.056.087
124	350.979.057	9.592.253.597
125	350.939.838	9.592.397.184
126	350.890.131	9.592.500.874
127	350.841.831	9.592.551.241
128	350.828.531	9.592.572.926
129	350.859.331	9.592.607.204
130	350.990.979	9.592.724.891
131	351.049.079	9.592.787.15
132	351.081.279	9.592.809.535
133	351.087.579	9.592.834.718
134	351.068.679	9.592.849.409
135	351.010.579	9.592.797.642
136	350.834.809	9.592.630.203
137	350.793.092	9.592.604.586
138	350.771.144	9.592.582.651
139	350.765.657	9.592.560.716
140	350.635.656	9.592.440.551
141	350.479.525	9.592.277.289
142	350.371.316	9.592.173.363
143	350.337.588	9.592.110.165
144	350.150.528	9.591.959.698
145	350.056.371	9.591.867.007
146	350.011.401	9.591.810.831
147	349.817.329	9.591.799.571
148	349.702.093	9.591.791.144
149	349.569.827	9.591.762.936
150	349.455.63	9.591.745.601
151	349.419.492	9.591.747.045
152	349.408.651	9.591.801.217
153	349.431.057	9.591.817.107
154	349.586.45	9.591.834.443
155	349.760.635	9.591.860.445





ROTA: 42

ITINERÁRIO: SEDE DO MUNICÍPIO DE MASSAPÉ PARA O MUNICÍPIO DE SOBRAL
ESCOLA: CENTRO UNIVERSITÁRIO INTA / INSTITUTO FEDERAL DE EDUCAÇÃO,
CIÊNCIA E TECNOLOGIA DO CEARÁ / FACULDADE LUCIANO FEIJÃO /
UNIVERSIDADE ESTADUAL VALE DO ACARAÚ

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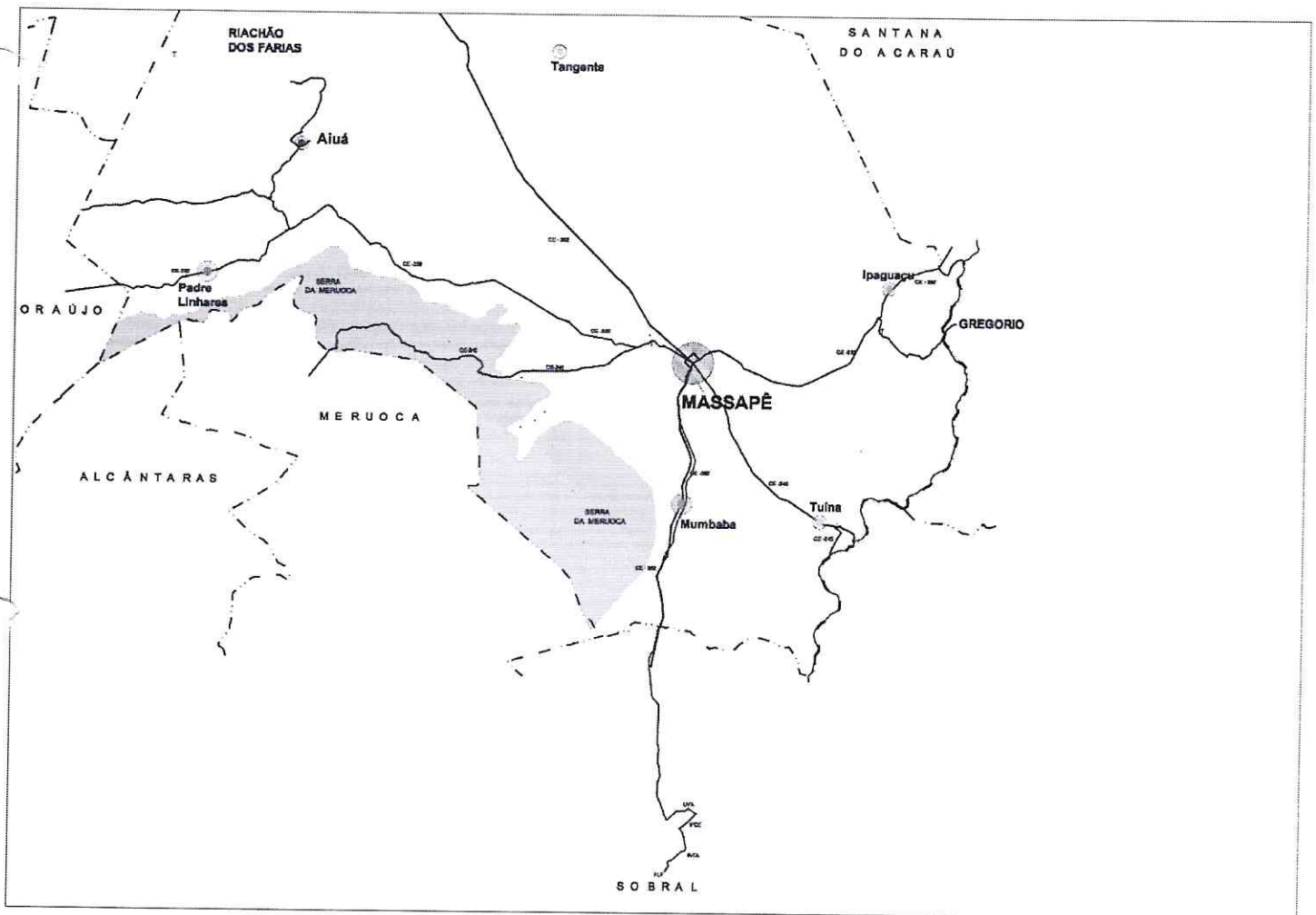
PAVIMENTAÇÃO: CALÇAMENTO / ASFALTO

COORDENADA INICIAL: LESTE: 350955.51 NORTE: 9.610.105.362

COORDENADA FINAL: LESTE: 350.239.392 NORTE: 9.590.949.628

EXTENSÃO DA ROTA (KM): 22,50

EXTENSÃO DA ROTA IDA E VOLTA (KM): 45,00





REFERÊNCIA	COORDENADA ESTE	COORDENADA NORTE
0	350955.51	9.610.105.362
1	350.772.933	9.609.810.982
2	350.753.898	9.609.584.286
3	350.700.523	9.609.438.486
4	350546.25	9.609.214.083
5	350.476.267	9.609.096.732
6	350.448.202	9.608.988.258
7	350.443.221	9.608.863.794
8	350.464.817	9.608.680.838
9	350.481.424	9.608.483.356
10	350.504.666	9.608.249.061
11	350542.86	9.608.089.748
12	350.662.534	9.607.803.696
13	350.873.529	9.607.332.438
14	351.054.041	9.606.889.024
15	351.110.751	9.606.735.412
16	351.127.167	9606604.17
17	351.084.551	9.606.296.305
18	351.007.551	9606117.31
19	350831.63	9.605.822.362
20	350.798.206	9.605.582.718
21	350.828.337	9.605.345.173
22	350.828.333	9.605.042.092
23	350.726.173	9.604.773.875
24	350.582.164	9604457.26
25	350.491.728	9.604.232.682
26	350.426.441	9.604.008.324
27	350.391.289	9.603.817.619
28	350.371.202	9.603.548.291
29	350.252.228	9.603.315.162
30	350096.45	9.603.082.244
31	350.022.737	9602928.01
32	349.972.519	9.602.730.614
33	349.950.721	9.602.561.205
34	349.893.808	9.602.445.779
35	349.815.131	9.602.286.858
36	349.801.682	9.602.155.855
37	349.830.139	9.601.981.879
38	349.952.392	9.601.317.213



39	349.997.658	9.601.100.984
40	349.999.295	9600832.83
41	350.012.687	9.600.663.872
42	350.014.336	9.600.548.051
43	349.933.987	9.600.352.328
44	349855.25	9600162.95
45	349.808.271	9.599.923.155
46	349.745.851	9.599.649.389
47	349.720.367	9.599.485.874
48	349.677.451	9599369.27
49	349.606.291	9.599.232.111
50	349.543.258	9.599.069.937
51	349.519.103	9.598.900.682
52	349.545.926	9.598.620.563
53	349.586.202	9.598.270.257
54	349.629.138	9.598.000.407
55	349.660.051	9597744.05
56	349.664.075	9.597.628.786
57	349.764.744	9.597.493.092
58	349.861.308	9.597.395.252
59	349.905.566	9.597.333.599
60	349.918.976	9.597.152.661
61	349.918.976	9.596.766.031
62	349.904.226	9.596.451.939
63	349.908.248	9.596.155.309
64	349.894.836	9.595.975.711
65	349.885.449	9.595.901.995
66	349.941.807	9.595.709.907
67	349.947.172	9.595.617.428
68	349.935.076	9595454.78
69	349.927.031	9.595.297.968
70	349.936.418	9.595.132.746
71	349.960.558	9.594.994.696
72	349.999.479	9.594.807.991
73	349.999.479	9.594.688.706
74	349.995.455	9.594.580.143
75	349.925.677	9.594.337.136
76	349.924.324	9.594.102.226
77	349.913.595	9.593.972.219
78	349.916.276	9593886.44
79	350.008.894	9.593.658.207



80	350.072.734	9.593.521.797
81	350.118.535	9.593.384.485
82	350.162.974	9.593.272.428
83	350.181.345	9.593.204.238
84	350.179.596	9.593.172.766
85	350.206.715	9.593.156.156
86	350.265.399	9.593.021.343
87	350.321.387	9.592.964.517
88	350.403.617	9.593.049.318
89	350.576.904	9.593.219.984
90	350.647.763	9593281.18
91	350.858.778	9.593.295.239
92	350.986.499	9.593.309.226
93	351046.86	9.593.355.561
94	351.087.975	9.593.377.416
95	351.211.798	9.593.322.716
96	351.382.658	9.593.205.188
97	351.191.746	9.592.993.124
98	351.061.936	9.592.866.726
99	350.848.832	9.592.689.044
100	350.825.532	9.592.650.238
101	350.780.043	9.592.653.564
102	350.770.059	9592612.54
103	350.812.219	9.592.591.474
104	350.893.456	9.592.470.215
105	350.950.928	9.592.280.841
106	350.999.062	9.592.052.144
107	351.026.337	9.591.875.505
108	351.008.773	9.591.809.061
109	350.821.857	9.591.727.573
110	350.666.197	9.591.564.245
111	350.553.294	9.591.450.162
112	350425.38	9.591.374.752
113	350.380.153	9.591.363.703
114	350.349.999	9.591.332.566
115	350.353.014	9.591.288.372
116	350.388.193	9.591.212.036
117	350.381.158	9.591.166.837
118	350.239.392	9.590.949.628



ROTA: 43

ITINERÁRIO: SEDE DO MUNICIPIO DE MASSAPÊ PARA O MUNICIPIO DE SOBRAL
ESCOLA: INSTITUTO FEDERAL DE EDUCAÇÃO, CIÊNCIA E TECNOLOGIA DO
CEARÁ / INSTITUTO DE ESTUDOS DE PESQUISAS DO VALE DO ACARAÚ – IVA /
UNIVERSIDADE FEDERAL DO CEARÁ

TURNO: NOITE

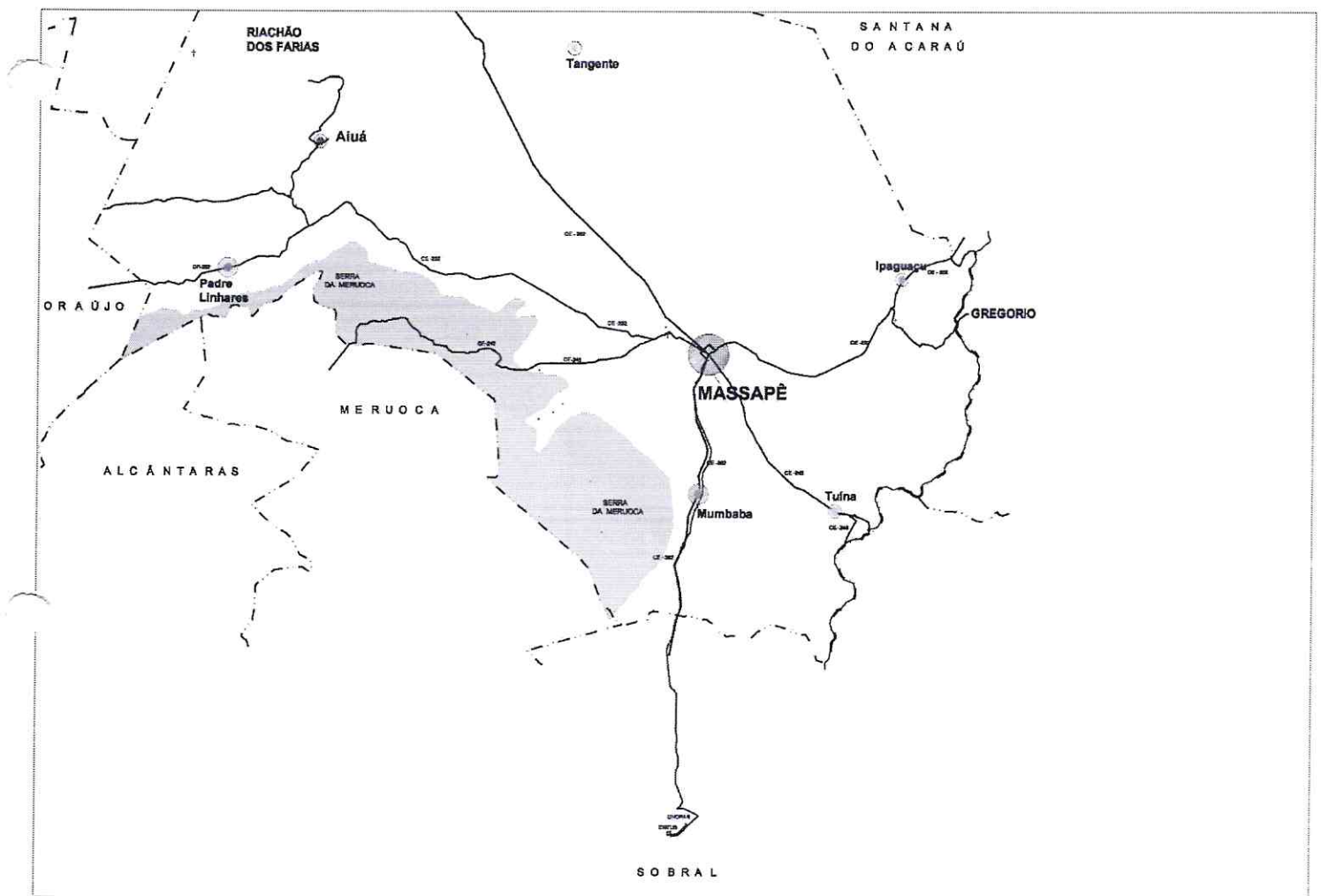
PAVIMENTAÇÃO: CALÇAMENTO / ASFALTO

COORDENADA INICIAL: LESTE: 350960.52 NORTE: 9.610.104.483

COORDENADA FINAL: LESTE: 350.287.253 NORTE: 9.592.278.234

EXTENSÃO DA ROTA (KM): 22,50

EXTENSÃO DA ROTA IDA E VOLTA (KM): 45,00





REFERÊNCIA	COORDENADA ESTE	COORDENADA NORTE
0	350960.52	9.610.104.483
1	350.764.667	9.609.802.767
2	350.751.926	9.609.596.264
3	350.711.708	9.609.455.592
4	350.529.567	9.609.187.622
5	350.459.713	9.609.059.642
6	350.442.731	9.608.989.534
7	350.446.965	9.608.847.804
8	350.458.602	9.608.642.278
9	350.484.023	9.608.425.088
10	350.481.906	9608282.3
11	350.521.066	9.608.133.166
12	350.595.201	9.607.942.295
13	350.736.094	9.607.587.546
14	350.871.613	9.607.292.033
15	351.037.865	9.606.903.395
16	351.110.894	9.606.729.934
17	351.131.002	9.606.601.955
18	351.096.236	9.606.367.019
19	351.029.557	9.606.159.713
20	350.936.076	9605999.18
21	350.829.391	9.605.805.201
22	350.798.275	9.605.584.567
23	350.823.451	9.605.397.314
24	350.835.305	9605155.95
25	350.820.488	9.604.979.739
26	350.687.014	9.604.673.925
27	350.519.476	9.604.297.233
28	350.432.055	9.603.993.678
29	350.390.543	9.603.757.747
30	350.363.873	9.603.503.056
31	350.168.151	9603161.83
32	350.031.831	9.602.914.544
33	349.970.927	9.602.671.038
34	349.930.919	9.602.509.635
35	349.819.708	9.602.254.377
36	349.788.592	9.602.122.589
37	349.825.636	9.601.931.571
38	349.932.432	9601389.69



39	349986.28	9.601.115.633
40	350.012.589	9.600.571.013
41	349.902.143	9.600.255.694
42	349.811.804	9.600.001.409
43	349.743.907	9.599.618.509
44	349.691.211	9.599.370.242
45	349.539.085	9.599.074.688
46	349.518.005	9598936.26
47	349.514.994	9.598.728.619
48	349.590.481	9.598.180.083
49	349.647.377	9.597.622.836
50	349.673.898	9.597.518.716
51	349.838.705	9.597.357.803
52	349.907.419	9597248.39
53	349.917.146	9.597.032.083
54	349.902.277	9.596.364.197
55	349.880.829	9.595.865.033
56	349.928.257	9.595.669.332
57	349.935.476	9.595.561.474
58	349.915.835	9.595.352.427
59	349.919.985	9.595.079.472
60	349.970.151	9.594.854.737
61	349996.23	9.594.593.272
62	349.990.687	9.594.493.547
63	349.911.688	9.594.276.093
64	349.906.449	9.593.838.479
65	350052.13	9.593.449.186
66	350.152.386	9593197.62
67	350.159.157	9.593.135.602
68	350.165.926	9.593.114.177
69	350.147.873	9.593.036.373
70	350.081.235	9.592.924.482
71	350.007.894	9592864.72
72	350.032.718	9.592.837.657
73	350.183.914	9592845.55
74	350.365.673	9.592.776.734
75	350543.01	9.592.701.511
76	350.680.796	9.592.622.463
77	350743.31	9.592.568.915
78	350.750.966	9.592.531.941
79	350444.97	9.592.241.584



80	350.352.099	9.592.170.545
81	350.309.678	9592090.34
82	350115.75	9.591.910.025
83	350.018.294	9.591.825.236
84	349.980.458	9591802.32
85	349751.15	9.591.772.529
86	349.719.715	9.591.957.836
87	349.597.386	9.591.943.864
88	349.613.697	9.591.823.944
89	349.765.151	9.591.841.408
90	349.986.508	9.591.874.008
91	350.129.974	9.592.012.779
92	350.229.002	9.592.115.235
93	350.337.351	9.592.222.348
94	350.287.253	9.592.278.234





ROTA: 44

ITINERÁRIO: SEDE DO MUNICIPIO DE MASSAPÊ PARA O MUNICIPIO DE SOBRAL
ESCOLA: INSTITUTO FEDERAL DE EDUCAÇÃO, CIÊNCIA E TECNOLOGIA DO
CEARÁ / INSTITUTO DE ESTUDOS DE PESQUISAS DO VALE DO ACARAÚ - IVA /
UNIVERSIDADE FEDERAL DO CEARÁ

TURNO: NOITE

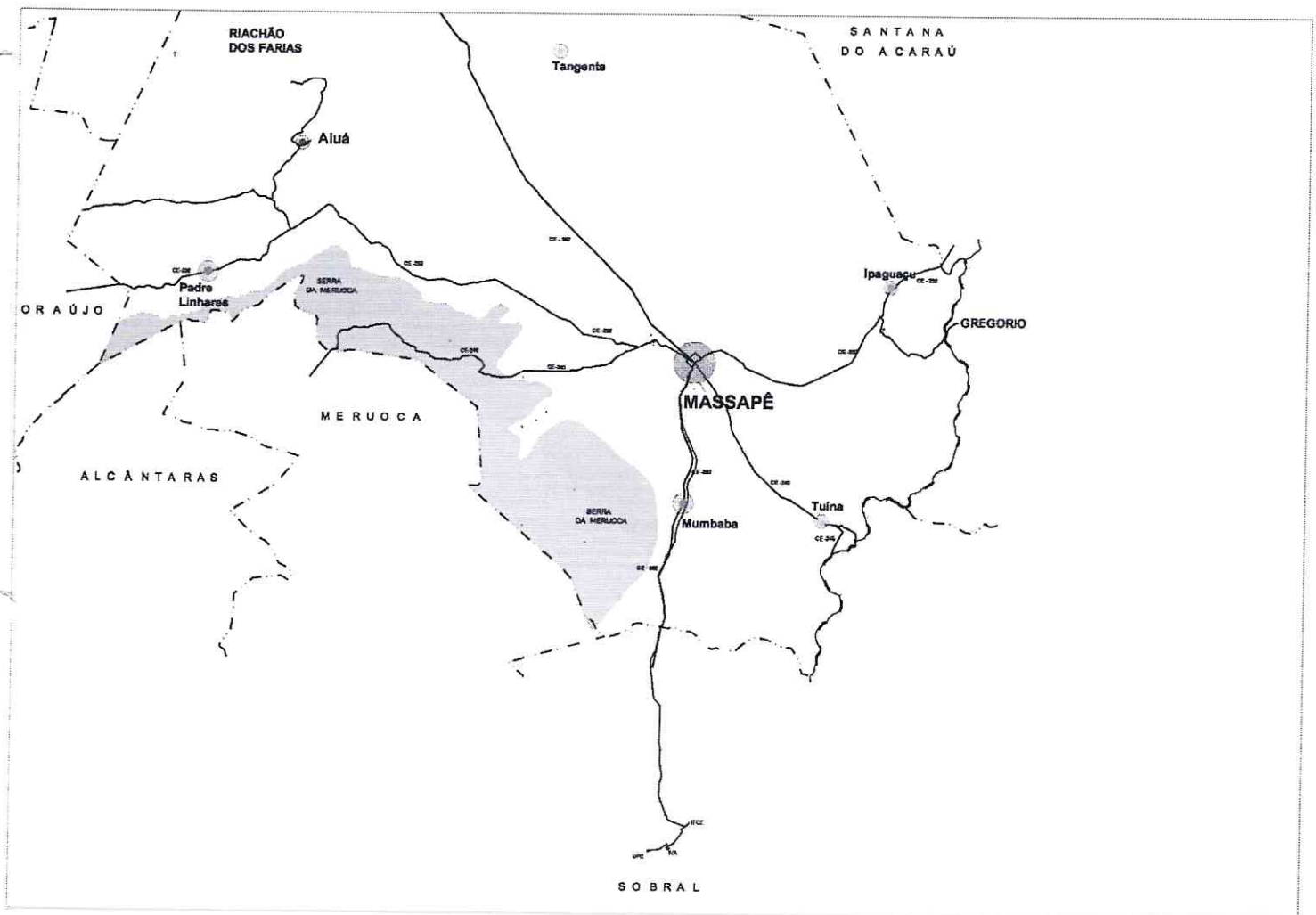
PAVIMENTAÇÃO: CALÇAMENTO / ASFALTO

COORDENADA INICIAL: LESTE: 350.958.833 NORTE: 9.610.105.554

COORDENADA FINAL: LESTE: 349.542.553 NORTE: 9.591.713.044

EXTENSÃO DA ROTA (KM): 22,00

EXTENSÃO DA ROTA IDA E VOLTA (KM): 44,00





REFERÊNCIA	COORDENADA ESTE	COORDENADA NORTE
0	350.958.833	9.610.105.554
1	350.811.913	9.609.888.655
2	350766.28	9.609.788.547
3	350.755.018	9.609.623.504
4	350.724.965	9.609.508.937
5	350.677.106	9.609.393.257
6	350.485.683	9609122.32
7	350443.67	9.609.017.361
8	350449.29	9.608.801.368
9	350.473.097	9.608.578.855
10	350.491.299	9.608.301.201
11	350.517.906	9.608.140.264
12	350.617.474	9607882.27
13	350.761.794	9.607.551.624
14	350.903.264	9607239.11
15	351.039.133	9.606.916.821
16	351.109.151	9.606.734.892
17	351.125.956	9606613.14
18	351.116.047	9.606.455.824
19	351.072.636	9.606.294.887
20	351012.42	9.606.110.159
21	350.842.864	9.605.822.665
22	350.789.651	9.605.563.767
23	350.835.853	9.605.334.985
24	350.830.253	9.605.021.509
25	350.722.335	9.604.739.498
26	350.552.786	9.604.358.236
27	350.436.556	9.604.030.763
28	350.390.309	9603790.81
29	350.369.304	9.603.527.713
30	350.194.092	9603205.12
31	350.062.458	9.602.986.805
32	350.027.448	9.602.887.444
33	349.951.709	9.602.597.055
34	349.941.907	9.602.520.085
35	349.845.283	9.602.325.561
36	349.794.771	9.602.179.526
37	349.810.175	9.602.032.583
38	349.887.278	9.601.627.558





39	349.947.532	9.601.323.401
40	349.986.742	9.601.126.079
41	350.010.593	9.600.767.228
42	350.011.993	9.600.572.703
43	349.905.507	9.600.260.118
44	349.834.005	9.600.066.586
45	349.759.759	9.599.714.877
46	349.695.343	9.599.363.614
47	349562.2	9.599.102.628
48	349521.59	9.598.944.489
49	349.520.189	9.598.822.737
50	349.577.657	9.598.367.233
51	349.632.877	9.597.833.712
52	349655.53	9.597.718.007
53	349664.34	9.597.602.301
54	349.700.836	9.597.519.295
55	349.742.365	9.597.475.277
56	349.873.199	9.597.331.64
57	349.911.258	9.597.268.252
58	349926.48	9.597.175.705
59	349.914.298	9.596.701.232
60	349.907.183	9.596.205.065
61	349.891.406	9.595.881.105
62	349.940.833	9.595.639.221
63	349.938.534	9.595.404.931
64	349.924.719	9.595.106.843
65	349.977.583	9.594.913.899
66	350002.62	9.594.761.489
67	350.010.765	9.594.577.833
68	349.927.855	9.594.296.585
69	349922.07	9.593.914.136
70	349.924.691	9.593.838.213
71	350.011.196	9.593.627.092
72	350.109.387	9.593.357.635
73	350.166.174	9.593.205.171
74	350171.26	9.593.157.738
75	350171.26	9.593.128.94
76	350.199.231	9.593.106.07
77	350.223.837	9.593.069.444
78	350.272.149	9.592.956.791
79	350.332.421	9.592.904.052





80	350496.85	9.592.857.465
81	350734.34	9.592.769.208
82	350.812.316	9.592.746.338
83	350.853.847	9.592.738.716
84	350.889.445	9.592.710.763
85	350.907.244	9.592.688.741
86	350.924.197	9.592.678.576
87	350981.91	9.592.717.627
88	351.053.105	9592790.47
89	351.074.295	9592813.34
90	351069.21	9.592.852.303
91	351.037.002	9.592.825.198
92	350.958.178	9.592.746.425
93	350.873.362	9592659.8
94	350.813.185	9.592.618.296
95	350790.3	9.592.603.897
96	350.774.196	9.592.577.639
97	350.784.366	9.592.545.452
98	350.816.575	9592531.9
99	350.836.069	9.592.520.042
100	350.819.214	9.592.478.852
101	350.693.984	9592303.61
102	350.561.919	9.592.107.177
103	350.362.983	9.591.984.989
104	350.224.707	9.591.891.218
105	350.292.276	9.591.799.139
106	350.346.023	9.591.822.926
107	350.307.632	9.591.934.955
108	350304.56	9.591.977.925
109	350.240.832	9.592.036.241
110	350.044.867	9.591.851.191
111	350.008.011	9.591.835.077
112	349.847.536	9.591.806.687
113	349698.42	9591779.8
114	349.588.622	9.591.762.152
115	349.537.945	9.591.756.014
116	349.542.553	9.591.713.044





ROTA: 45

ITINERÁRIO: SEDE DO MUNICÍPIO DE MASSAPÊ PARA O MUNICÍPIO DE SOBRAL

ESCOLA: CENTRO UNIVERSITÁRIO INTA

TURNO: NOITE

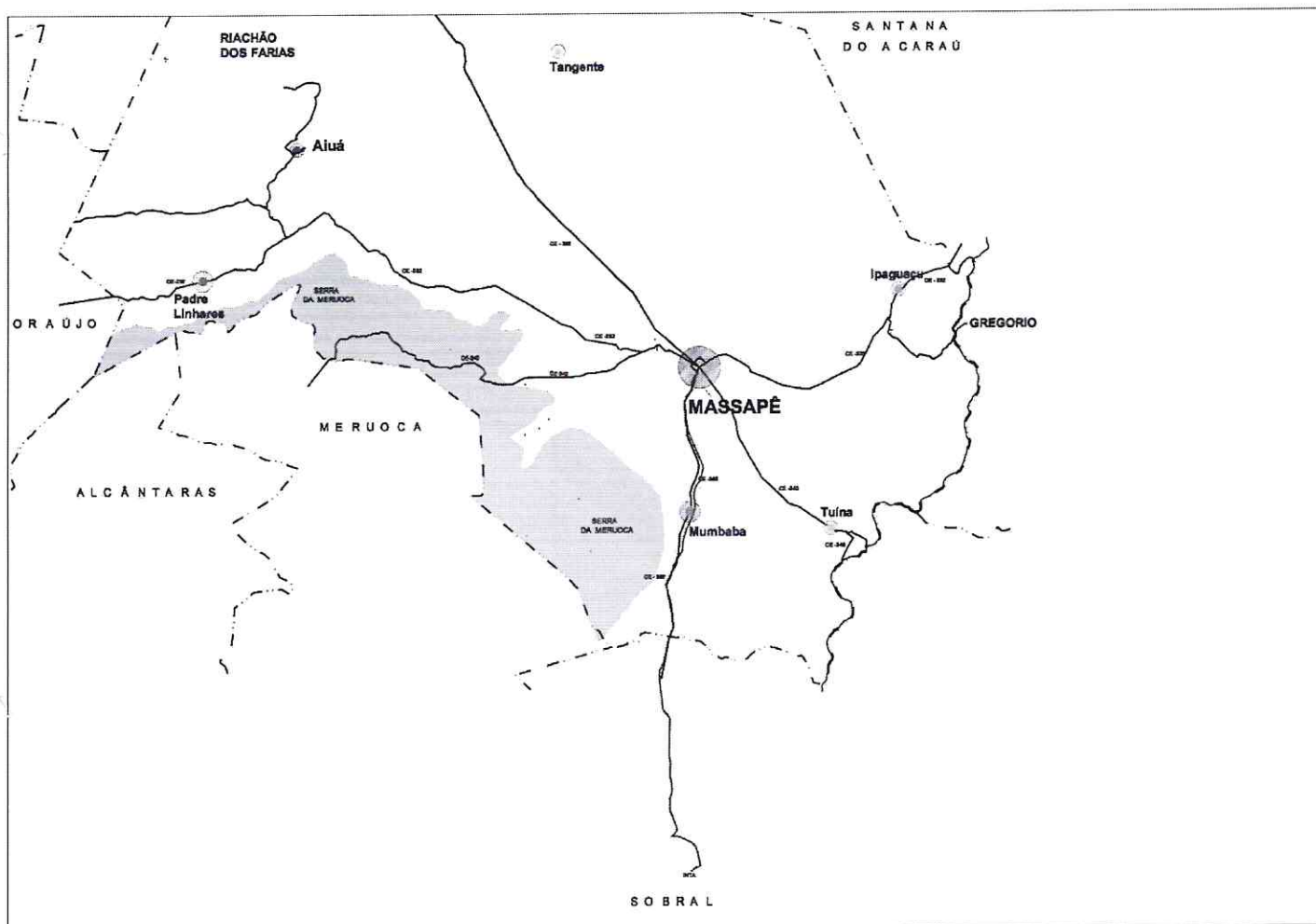
PAVIMENTAÇÃO: CALÇAMENTO / ASFALTO

COORDENADA INICIAL: LESTE: 350.946.898 NORTE: 9.610.105.989

COORDENADA FINAL: LESTE: 350701.56 NORTE: 9.591.512.849

EXTENSÃO DA ROTA (KM): 21,00

EXTENSÃO DA ROTA IDA E VOLTA (KM): 42,00





REFERÊNCIA	COORDENADA ESTE	COORDENADA NORTE
0	350.946.898	9.610.105.989
1	350.779.793	9.609.818.536
2	350.757.772	9609659.29
3	350.738.595	9.609.537.465
4	350.682.437	9.609.417.009
5	350.528.914	9.609.175.629
6	350.456.319	9.609.040.116
7	350.438.514	9.608.926.504
8	350.443.992	9.608.773.196
9	350.480.386	9.608.566.893
10	350.491.892	9.608.279.441
11	350.522.683	9.608.135.088
12	350.589.799	9607960.7
13	350.722.254	9.607.621.075
14	350.900.888	9.607.239.435
15	351.020.542	9.606.942.585
16	351.099.661	9.606.754.201
17	351.128.485	9.606.670.472
18	351122.52	9.606.575.096
19	351.096.188	9.606.352.746
20	351.030.773	9.606.151.064
21	350.846.927	9.605.827.924
22	350.796.766	9.605.559.088
23	350.834.343	9.605.351.844
24	350.831.545	9.605.059.247
25	350.818.991	9604949.01
26	350.661.633	9.604.605.175
27	350514.02	9.604.256.957
28	350.406.802	9.603.862.989
29	350.363.591	9.603.493.964
30	350.326.011	9.603.407.728
31	350.089.297	9.603.016.356
32	350034.94	9.602.907.459
33	349.989.011	9.602.768.369
34	349.948.647	9.602.527.742
35	349.803.784	9.602.224.001
36	349.796.823	9602129.42
37	349.814.917	9.602.004.238
38	349.924.018	9.601.449.775





39	349.983.601	9.601.118.275
40	350.022.125	9.600.584.002
41	349.964.286	9.600.382.286
42	349.836.342	9.600.065.044
43	349.706.759	9.599.408.802
44	349.688.696	9.599.328.144
45	349.549.729	9.599.069.786
46	349.516.058	9.598.905.743
47	349.539.939	9.598.672.588
48	349.590.995	9.598.166.682
49	349.647.957	9.597.723.065
50	349.660.927	9.597.580.243
51	349.705.375	9.597.495.443
52	349.810.522	9.597.392.185
53	349.892.346	9.597.278.108
54	349.918.612	9.597.221.575
55	349.921.642	9.597.136.774
56	349.917.956	9.596.776.896
57	349.906.073	9.596.269.582
58	349.892.307	9.595.839.611
59	349.947.224	9.595.635.39
60	349.940.846	9.595.466.187
61	349.916.692	9.595.258.839
62	349.926.87	9.595.052.859
63	349.970.083	9.594.890.28
64	350.006.95	9.594.618.08
65	350.000.595	9.594.507.577
66	349.923.012	9.594.263.315
67	349.914.109	9.593.845.088
68	349.985.359	9.593.633.865
69	350.098.543	9.593.361.634
70	350.174.32	9.593.157.444
71	350.167.793	9.593.115.047
72	350.175.952	9.593.066.943
73	350.088.609	9.592.916.694
74	350.014.367	9.592.862.067
75	350.033.131	9.592.840.053
76	350.122.875	9.592.839.238
77	350.193.04	9.592.841.684
78	350.326.999	9.592.796.671
79	350.558.821	9.592.683.176





80	350.708.941	9.592.604.089
81	350.767.774	9.592.568.685
82	350.779.295	9.592.530.479
83	350.807.052	9592510.59
84	350.870.149	9.592.439.083
85	350.937.607	9.592.285.172
86	350.986.148	9592063.09
87	351016.55	9.591.905.858
88	351.032.991	9.591.802.972
89	351.029.703	9.591.718.319
90	350.822.453	9.591.643.528
91	350701.56	9.591.512.849





ROTA: 46

ITINERÁRIO: SEDE DO MUNICIPIO DE MASSAPÊ PARA O MUNICIPIO DE SOBRAL

ESCOLA: UNIVERSIDADE ESTADUAL VALE DO ACARAÚ - UVA

TURNO: NOITE

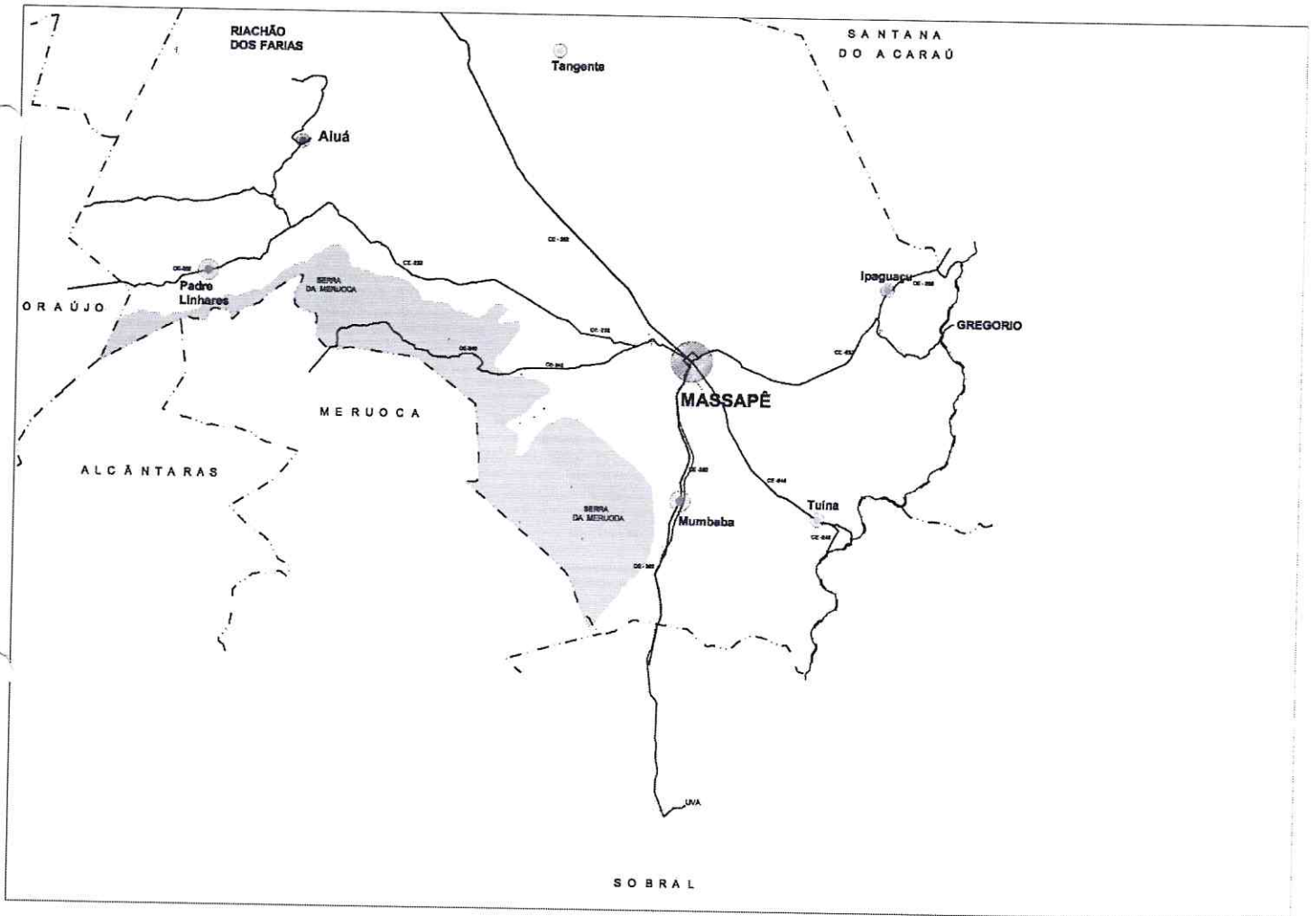
PAVIMENTAÇÃO: CALÇAMENTO / ASFALTO

COORDENADA INICIAL: LESTE: 350.953.046 NORTE: 9.610.104.048

COORDENADA FINAL: LESTE: 351089.52 NORTE: 9.593.356.506

EXTENSÃO DA ROTA (KM): 19,00

EXTENSÃO DA ROTA IDA E VOLTA (KM): 38,00





REFERÊNCIA	COORDENADA ESTE	COORDENADA NORTE
0	350.953.046	9.610.104.048
1	350.783.482	9.609.828.474
2	350.745.684	9.609.571.183
3	350.706.291	9609453.08
4	350.481.807	9.609.120.526
5	350445.84	9.609.014.404
6	350445.84	9.608.773.062
7	350.473.249	9.608.536.291
8	350.488.664	9.608.288.103
9	350.560.699	9608032.47
10	350.678.879	9.607.758.607
11	350.839.991	9607403.54
12	350.949.607	9.607.110.849
13	351.095.268	9.606.778.039
14	351.126.098	9.606.647.954
15	351.108.877	9.606.431.615
16	351060.92	9606248.47
17	351.018.102	9.606.106.404
18	350.839.845	9605820.02
19	350.791.888	9.605.576.967
20	350.838.192	9.605.345.171
21	350.827.917	9.605.021.671
22	350.682.166	9.604.659.826
23	350.504.039	9.604.284.976
24	350.396.033	9.603.902.491
25	350.372.054	9.603.534.488
26	350.193.767	9.603.218.679
27	350.056.746	9.602.980.761
28	350.003.516	9.602.793.541
29	349.943.568	9602521.39
30	349.806.437	9.602.258.906
31	349.789.309	9.602.118.551
32	349871.7	9.601.738.061
33	349.953.913	9.601.333.562
34	349.983.029	9.601.129.876
35	350.017.317	9.600.603.744
36	349.998.476	9.600.511.315
37	349.890.436	9.600.229.848
38	349.828.777	9.600.063.819





39	349.765.293	9.599.696.894
40	349.693.357	9.599.361.413
41	349.580.179	9.599.134.816
42	349.528.798	9598982.48
43	349.527.085	9.598.797.622
44	349.576.878	9.598.293.666
45	349.655.036	9.597.725.182
46	349.675.754	9.597.580.249
47	349.743.088	9.597.492.253
48	349.879.484	9.597.350.771
49	349.922.647	9.597.262.777
50	349.924.373	9.597.128.196
51	349.908.164	9.596.607.762
52	349.900.854	9.596.074.508
53	349.898.417	9.595.869.971
54	349.950.084	9.595.663.251
55	349.946.325	9.595.492.937
56	349.924.202	9.595.158.593
57	349.997.885	9.594.816.714
58	350.008.377	9.594.617.824
59	350.001.359	9.594.533.669
60	349.922.011	9.594.310.592
61	349.922.011	9.593.877.951
62	349.999.421	9.593.672.305
63	350.168.287	9.593.227.786
64	350.180.676	9.593.177.142
65	350.181.801	9.593.131
66	350.200.945	9.593.117.494
67	350.232.478	9.593.040.965
68	350.282.029	9.592.957.684
69	350.323.698	9592921.67
70	350.533.344	9.593.132.201
71	350.654.747	9.593.255.564
72	350.909.966	9.593.266.787
73	350.981.378	9.593.272.904
74	351.049.733	9.593.315.725
75	351089.52	9.593.356.506





ROTA: 47

ITINERÁRIO: SEDE DO MUNICÍPIO DE MASSAPÊ PARA O MUNICÍPIO DE SOBRAL

ESCOLA: FACULDADE LUCIANO FEIJÃO / CENTRO DE CIÊNCIAS HUMANAS - CCH

TURNO: NOITE

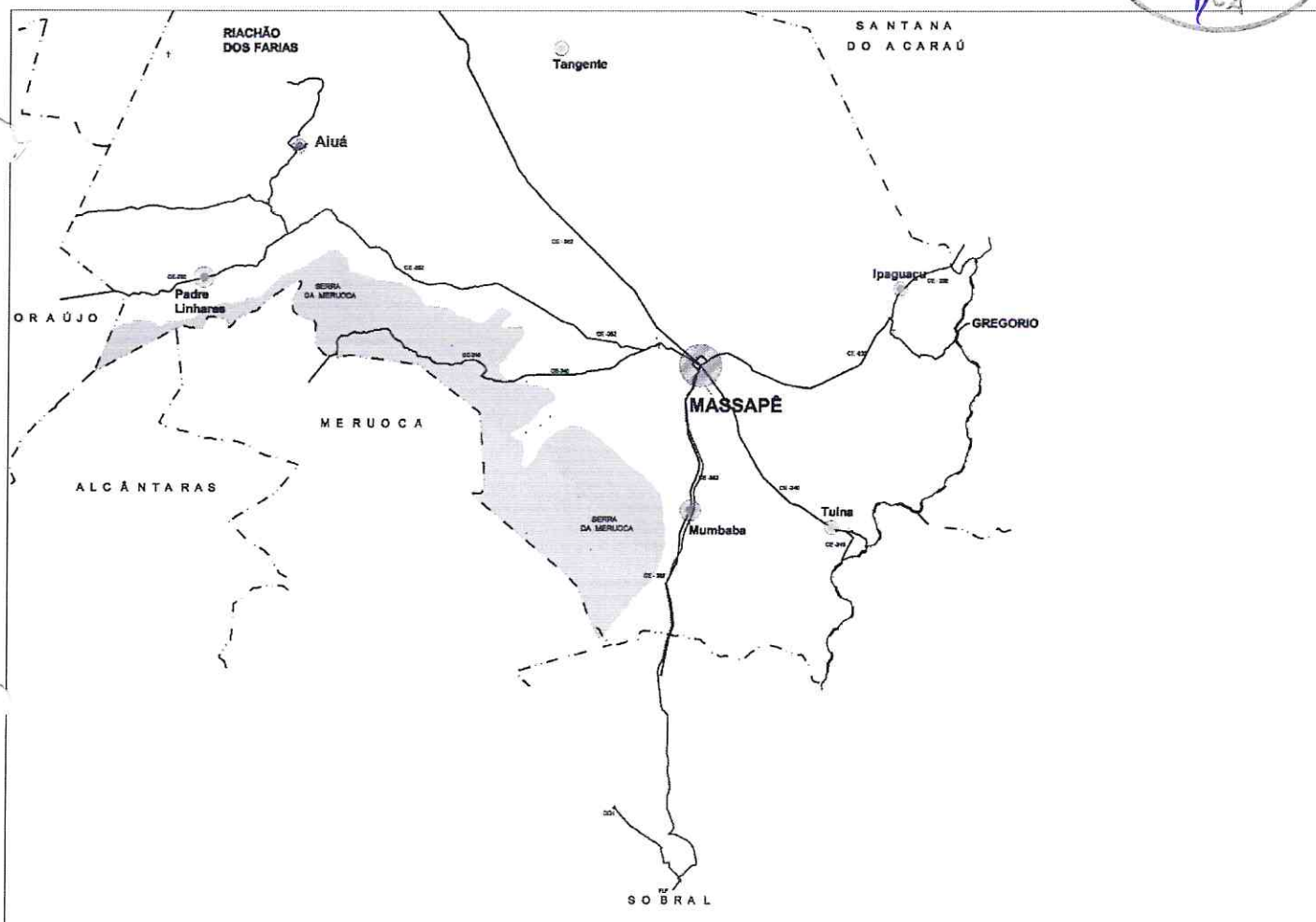
PAVIMENTAÇÃO: CALÇAMENTO / ASFALTO

COORDENADA INICIAL: LESTE: 350.959.122 NORTE: 9.610.106.675

COORDENADA FINAL: LESTE: 347.916.041 NORTE: 9.593.769.641

EXTENSÃO DA ROTA (KM): 26,00

EXTENSÃO DA ROTA IDA E VOLTA (KM): 52,00





REFERÊNCIA	COORDENADA ESTE	COORDENADA NORTE
0	350.959.122	9.610.106.675
1	350827.42	9.609.904.207
2	350.772.159	9.609.801.068
3	350.741.253	9.609.559.589
4	350703.87	9.609.445.079
5	350.558.293	9.609.245.785
6	350.454.222	9609061.97
7	350.430.655	9.608.969.388
8	350444.47	9.608.780.647
9	350.472.925	9.608.539.958
10	350.496.516	9.608.253.762
11	350.525.015	9.608.091.013
12	350.609.533	9607899.35
13	350.717.373	9.607.626.358
14	350.870.796	9.607.282.454
15	350.977.226	9.607.033.276
16	351.056.471	9.606.841.117
17	351.117.113	9.606.679.969
18	351.108.955	9.606.571.661
19	351.078.613	9.606.317.368
20	351.002.865	9.606.111.234
21	350.837.326	9605850.63
22	350.784.111	9.605.558.353
23	350.819.372	9.605.344.897
24	350.809.919	9.605.031.645
25	350.793.162	9.604.939.543
26	350.667.405	9.604.665.878
27	350.488.258	9.604.255.254
28	350.395.626	9.603.945.564
29	350.344.353	9.603.515.073
30	350.167.975	9.603.202.356
31	350.020.068	9.602.933.884
32	349.996.842	9.602.854.758
33	349.930.224	9.602.598.992
34	349.915.444	9.602.523.031
35	349.776.023	9602205.03
36	349.769.689	9.602.125.905
37	349.839.481	9.601.730.578
38	349.921.745	9.601.252.508





39	349.953.032	9.601.136.375
40	349.987.292	9.600.599.894
41	349.982.822	9.600.516.517
42	349818.46	9.600.128.019
43	349.793.431	9.599.982.109
44	349696.76	9.599.530.276
45	349.666.205	9.599.371.531
46	349.530.321	9.599.088.566
47	349.487.348	9.598.930.528
48	349.498.512	9.598.699.052
49	349.538.919	9.598.285.495
50	349.595.119	9.597.813.073
51	349.626.424	9.597.558.11
52	349.661.945	9.597.487.113
53	349.835.396	9.597.318.521
54	349.868.437	9.597.254.424
55	349.871.889	9.597.005.649
56	349.857.565	9.596.275.094
57	349.841.082	9.595.853.652
58	349.901.794	9.595.591.336
59	349.878.319	9.595.337.436
60	349.871.672	9.595.089.492
61	349.931.597	9.594.853.832
62	349.958.168	9.594.616.394
63	349.944.102	9.594.505.485
64	349.866.102	9.594.264.452
65	349.868.656	9.593.958.652
66	349.862.396	9.593.817.227
67	350.002.726	9.593.477.579
68	350.104.252	9.593.193.973
69	350.111.277	9.593.125.787
70	350.114.286	9.593.089.688
71	350.109.269	9.593.052.587
72	350.045.039	9.592.951.975
73	350.011.926	9.592.913.872
74	349.965.771	9.592.874.765
75	349.973.798	9.592.842.678
76	350.075.141	9.592.838.666
77	350.144.374	9.592.844.683
78	350.316.759	9.592.776.938
79	350.546.517	9.592.674.748





80	350.710.819	9.592.565.929
81	350722.18	9.592.538.174
82	350.746.167	9.592.512.942
83	350.808.025	9.592.444.816
84	350.860.335	9.592.341.357
85	350.895.968	9592204.01
86	350.962.084	9.591.887.903
87	350.971.232	9.591.770.187
88	350.963.227	9591719.9
89	350.759.592	9.591.640.681
90	350.660.029	9.591.553.612
91	350.567.396	9.591.438.181
92	350492.51	9.591.366.222
93	350435.25	9.591.325.871
94	350.390.468	9591297.26
95	350.344.219	9.591.286.989
96	350.306.047	9.591.265.713
97	350.288.427	9591226.83
98	350.297.236	9.591.168.873
99	350.317.057	9.591.149.799
100	350.328.803	9.591.115.318
101	350.298.673	9.591.055.669
102	350.213.481	9.590.933.034
103	350.173.837	9590867.74
104	350.121.715	9.590.813.451
105	350.095.288	9.590.789.974
106	350.126.121	9.590.796.578
107	350.188.521	9.590.856.735
108	350.261.242	9.590.984.578
109	350.312.631	9.591.063.076
110	350.326.578	9.591.086.553
111	350358.88	9.591.093.889
112	350.388.243	9.591.090.955
113	350.407.331	9.591.104.894
114	350391.18	9.591.185.019
115	350.344.182	9.591.247.463
116	350309.68	9.591.279.009
117	350.199.484	9.591.382.629
118	350.077.568	9.591.500.918
119	349988.7	9.591.600.822
120	349.972.528	9.591.653.038





121	349949.77	9.591.799.766
122	349.766.881	9.591.779.338
123	349.732.361	9.592.010.604
124	349.686.082	9.592.142.921
125	349.661.122	9.592.239.761
126	349639.1	9.592.288.182
127	349.688.286	9.592.336.602
128	349.569.997	9.592.447.619
129	349.459.814	9.592.538.761
130	349.268.129	9.592.664.366
131	349.063.209	9.592.787.065
132	348.872.289	9.592.914.814
133	348.769.434	9.593.002.238
134	348.610.804	9.593.093.326
135	348.521.191	9.593.172.696
136	348.349.322	9.593.353.323
137	348.198.018	9.593.515.643
138	348.054.791	9593662.53
139	348.001.934	9593749.1
140	347.936.598	9.593.881.888
141	347.883.007	9.593.853.276
142	347.916.041	9.593.769.641





ROTA: 48

ITINERÁRIO: SEDE DO MUNICÍPIO DE MASSAPÊ PARA O MUNICÍPIO DE SOBRAL
ESCOLA: UNIVERSIDADE ESTADUAL VALE DO ACARAÚ / INSTITUTO FEDERAL DE
EDUCAÇÃO, CIÊNCIA E TECNOLOGIA DO CEARÁ

TURNO: MANHÃ

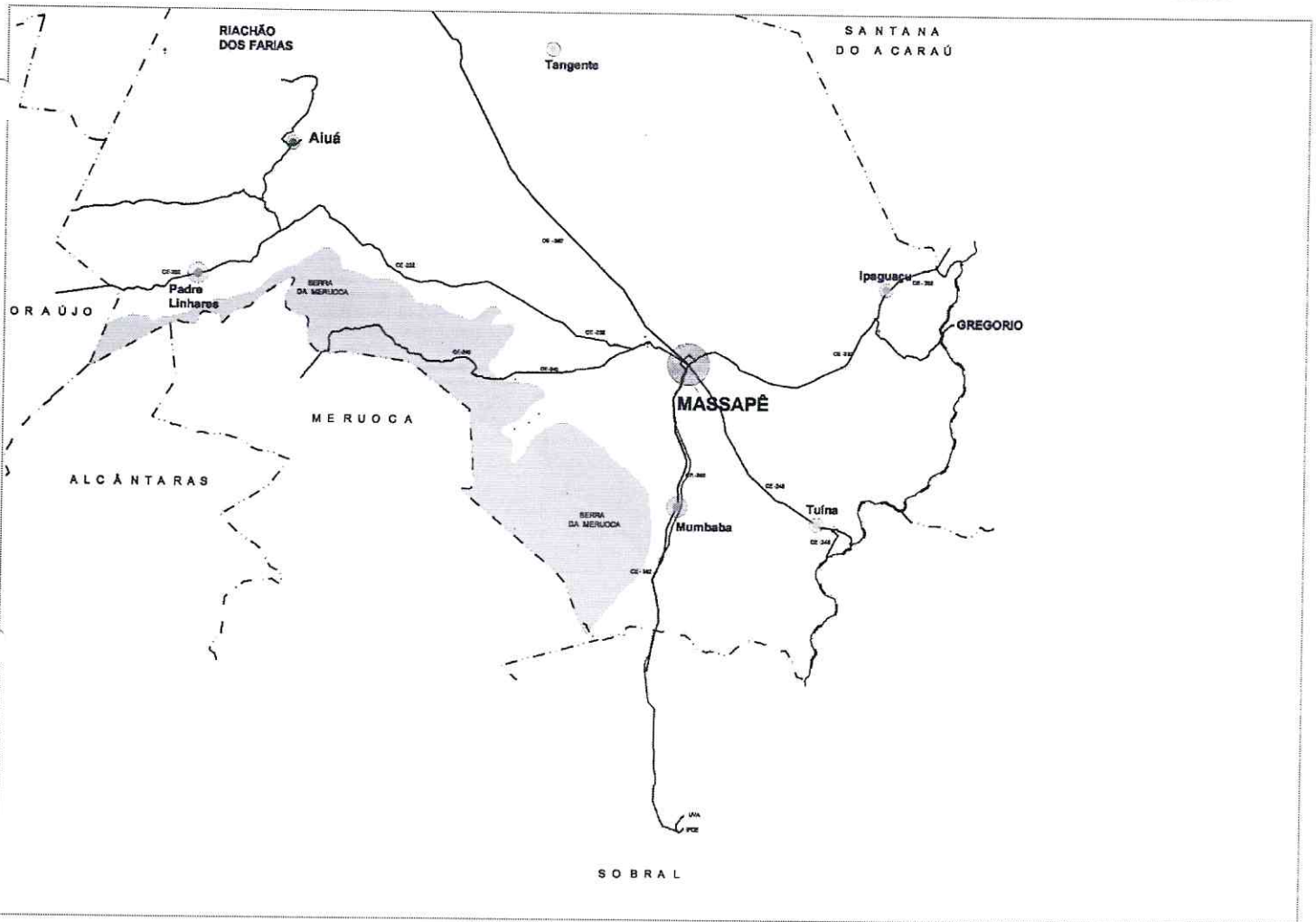
PAVIMENTAÇÃO: CALÇAMENTO / ASFALTO

COORDENADA INICIAL: LESTE: 350.960 NORTE: 9.610.110

COORDENADA FINAL: LESTE: 351.090.119 NORTE: 9593359.05

EXTENSÃO DA ROTA (KM): 20,00

EXTENSÃO DA ROTA IDA E VOLTA (KM): 40,00





REFERÊNCIA	COORDENADA ESTE	COORDENADA NORTE
0	350.960	9.610.110
1	350.802.458	9.609.861.646
2	350.769.695	9609798.8
3	350.755.764	9.609.623.707
4	350.726.858	9.609.475.339
5	350.599.932	9.609.297.846
6	350.459.556	9.609.047.616
7	350.448.806	9.608.824.808
8	350.478.094	9.608.554.197
9	350.494.695	9608285.95
10	350.593.761	9.607.962.089
11	350.771.434	9.607.533.104
12	350.925.239	9.607.182.968
13	351.036.037	9.606.920.571
14	351.121.854	9.606.708.748
15	351132.91	9.606.617.602
16	351.101.197	9.606.400.005
17	351.011.673	9.606.112.971
18	350.919.962	9.605.965.624
19	350.840.012	9.605.832.276
20	350.802.121	9.605.616.242
21	350830.81	9.605.357.181
22	350.828.036	9605069.38
23	350.792.391	9.604.931.486
24	350.626.886	9.604.539.641
25	350.507.814	9.604.270.946
26	350.399.289	9.603.860.645
27	350.373.541	9.603.536.649
28	350.184.045	9.603.193.463
29	350.069.444	9602994.63
30	349.996.348	9.602.767.554
31	349.967.455	9.602.644.805
32	349.947.333	9602540.8
33	349.779.525	9.602.231.614
34	349.795.329	9.602.100.037
35	349.878.013	9.601.715.038
36	349.939.341	9.601.395.756
37	349.982.165	9.601.190.542
38	350.002.726	9.601.113.173





39	350.017.221	9.600.574.323
40	349.857.906	9.600.140.756
41	349.796.571	9.599.863.734
42	349.745.041	9.599.593.784
43	349.699.876	9.599.390.313
44	349.674.194	9.599.328.424
45	349.554.835	9.599.081.631
46	349.529.027	9.598.947.499
47	349533.02	9.598.759.953
48	349.589.767	9.598.270.921
49	349.640.329	9.597.853.288
50	349.652.391	9.597.684.309
51	349.688.636	9.597.554.817
52	349.806.525	9.597.424.945
53	349.902.019	9.597.313.433
54	349922.05	9.597.260.705
55	349.922.051	9597090.6
56	349.917.581	9.596.655.207
57	349.907.425	9.596.145.758
58	349.905.598	9.596.021.615
59	349.950.434	9.595.620.455
60	349.927.683	9.595.359.218
61	349.930.231	9.595.126.362
62	349974.09	9.594.936.738
63	350.009.745	9.594.695.555
64	350.009.294	9.594.581.909
65	349.980.265	9.594.459.851
66	349.926.131	9.594.310.701
67	349.924.627	9.594.078.091
68	349.921.826	9.593.869.363
69	350.013.503	9.593.628.787
70	350.076.407	9.593.464.827
71	350.175.137	9.593.198.425
72	350.180.919	9.593.177.401
73	350.179.205	9.593.150.312
74	350187.35	9.593.126.274
75	350.209.786	9.593.120.451
76	350.220.709	9.593.097.752
77	350.323.078	9592922.08
78	350.449.137	9.592.882.976
79	350637.9	9.592.815.204





80	350.822.142	9.592.759.411
81	350.866.852	9.592.735.072
82	350.909.019	9.592.697.656
83	350.929.374	9.592.683.853
84	350.980.678	9.592.724.172
85	351.025.752	9.592.770.306
86	351.067.918	9.592.812.444
87	351.083.548	9.592.837.509
88	351.066.827	9.592.858.216
89	351.034.839	9592835.33
90	351.000.671	9.592.798.641
91	350963.23	9.592.758.682
92	350.949.053	9.592.737.249
93	350.923.609	9.592.720.539
94	350.913.794	9.592.720.902
95	350.875.264	9.592.747.057
96	350.832.325	9.592.793.288
97	350.818.512	9.592.829.614
98	350.800.323	9.592.891.472
99	350.801.414	9.592.928.525
100	350.809.047	9.592.966.668
101	350.835.219	9.593.015.344
102	350889.77	9.593.097.987
103	350.967.956	9.593.214.005
104	351.013.783	9.593.278.042
105	351.041.773	9.593.302.017
106	351.066.855	9.593.317.638
107	351081.03	9.593.330.352
108	351087.21	9.593.344.882
109	351.090.119	9593359.05

