



ANEXO I

PROJETO DE ENGENHARIA



PREFEITURA MUNICIPAL DE HORIZONTE

**SECRETARIA DE INFRAESTRUTURA, URBANISMO, AGROPECUÁRIA E
RECURSOS HÍDRICOS**

A TECHPROJ – CONSULTORIA & PROJETOS

PROJETO DAS OBRAS DE QUALIFICAÇÃO VIÁRIA DA AVENIDA JOSÉ EUCLIDES FERREIRA GOMES NO MUNICÍPIO DE HORIZONTE-CE

VOLUME I: MEMORIAL TOPOGRÁFICO

AGOSTO de 2022



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PROJETO	PROJETO DAS OBRAS DE QUALIFICAÇÃO VIÁRIA DA AVENIDA JOSÉ EUCLIDES FERREIRA GOMES NO MUNICÍPIO DE HORIZONTE-CE
VOLUME	VOLUME I
LOCALIZAÇÃO	HORIZONTE - CE
INTERESSADO	SECRETARIA MUNICIPAL DE INFRAESTRUTURA, URBANISMO, AGROPECUÁRIA E RECURSOS HÍDRICOS DE HORIZONTE-CE.
ELABORAÇÃO	A TECHPROJ - CONSULTORIA & PROJETOS Santos Dumont - Aldeota, Fortaleza - CE, 60150-161

TECHPROJ Consultoria e Projetos Ltda
Engº Renato Lucio Cavalcante de Oliveira
Engº Civil RNP 060004760 - 1. Sócio

1. APRESENTAÇÃO

A TECHPROJ – CONSULTORIA & PROJETOS., está apresentando para a Secretaria Municipal de Infraestrutura, Urbanismo, Agropecuária e Recursos Hídricos de Horizonte, o **Volume I (Memorial Topográfico)**. O referido projeto será composto da planta com a imagem satélite atualizada (PR-01) e a planta de topografia (PR-02) com as cadernetas com coordenadas do levantamento topográfico.

Os produtos que integram os projetos de pavimentação das obras de qualificação viária da avenida José Euclides Ferreira gomes no município de – Horizonte-CE são:

- **Volume I: Memorial Topográfico;**
- Volume II: Projeto de Urbanização;
- Volume III: Projeto de Drenagem;
- Volume IV: Projeto de Pavimentação;
- Volume V: Projeto Estrutural;
- Volume VI: Projeto de Sinalização Viária;
- Volume VII: Orçamento; e
- Volume VIII: Estudos Geotécnicos.

O presente relatório do **Volume I** é apresentado na forma de volume único. O documento consta dos seguintes elementos:

- Informações Gerais;
- Memorial de Cálculo;
- Caderneta de Campo; e
- Peças gráficas.

Está sendo anexado ao presente volume a prancha com os pontos cadastrados a partir do levantamento topográfico realizado para a construção a obra.

Está sendo disponibilizado também em meio digital a prancha do levantamento topográfico em questão, para facilitar a consulta das informações levantadas.

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1.1 EQUIPAMENTOS UTILIZADOS

Todos os equipamentos utilizados para a realização do levantamento topográfico na área onde será construído o aterro e suas unidades correlatas possuem características eletrônicas. Foram utilizados os seguintes equipamentos e acessórios:

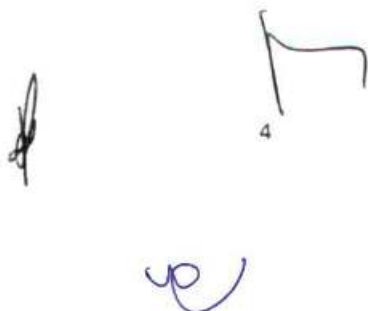
a) Taqueômetro Eletrônico

Estação total para medição de ângulos horizontais/verticais e distâncias, com precisão angular de 5 segundos e linear de 03 mm + 02 ppm: Aparelhos utilizados – Nikon dtm-332

b) Acessórios e Programas Computacionais

Foram utilizados: tripé, mira, trena, baliza, piquetes e estacas para desenvolvimentos dos levantamentos de campo. Para a elaboração dos desenhos e relatórios, foram utilizados os programas computacionais:

- Colet (caderneta de pontos)
- Civil 3D / Auto Cad; (Desenhos)
- Microsoft Word e Excel.



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1.2 REFERÊNCIAS (ORIGEM DOS SERVIÇOS)

Os Serviços Topográficos executados na área onde será construído o projeto em questão, tiveram como referência os marcos topográficos localizados na tabela 01 a seguir. Estes marcos foram implantados no momento da execução da topografia, sendo os mesmos utilizados para iniciar-se os serviços de levantamento topográfico, podendo também ser utilizados no momento da construção da obra.

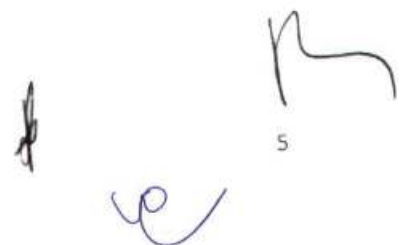
Abaixo, são apresentados o posicionamento de cada um dos marcos, sendo os mesmos utilizados como referência através do sistema U.T.M. (Universal Transversa de Mercator).

TABELA 01: Marcos de Origem do levantamento topográfico.

Coordenadas U.T.M				
RN's	Descrição	Coordenada Este	Coordenada Norte	Elevação
RN-1	Av. José Euclides Ferreira Gomes com Av. Manoel Conrado.	556208.881	9546853.445	55.752
RN-2	Av. José Euclides Ferreira Gomes com Rua Orisvaldo Salviano.	556213.745	9547770.388	50.270

QUADRO.1 – Coordenadas UTM dos Marcos de Origem do levantamento topográfico

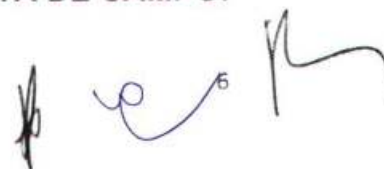
Está sendo apresentado em anexo a caderneta topográfica gerada pelo equipamento utilizado para o levantamento topográfico.



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1. CADERNETA DE CAMPO.

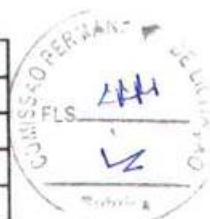


PONTO	COORDENADA ESTE	COORDENADA NORTE	ELEVAÇÃO	DESCRIÇÃO
1	556220.178	9549605.442	42.690	PONTO
2	556228.710	9549607.941	42.345	E
3	556219.760	9549615.193	42.153	C
4	556218.054	9549604.884	42.341	C
5	556281.779	9549597.527	41.480	E
6	556267.354	9549605.759	41.084	C
7	556259.218	9549598.031	41.393	PONTO
8	556145.270	9549624.589	46.101	E
9	556159.427	9549626.842	44.920	C
10	556146.028	9549618.964	45.983	C
11	556143.043	9549620.610	46.195	PONTO
12	556181.314	9549613.262	44.089	PONTO
13	556186.158	9549616.620	43.656	E
14	556160.165	9549616.230	45.075	C
15	556164.145	9549620.986	45.023	E
16	556296.429	9549600.647	40.976	C
17	556348.547	9549579.852	41.470	C
18	556348.566	9549584.830	41.476	E
19	556331.922	9549587.823	41.385	E
20	556335.826	9549583.028	41.319	PONTO
21	556360.769	9549577.878	41.776	PONTO
22	556360.054	9549497.666	43.993	E
23	556349.066	9549588.810	41.419	C
24	556367.789	9549581.166	41.742	E
25	556308.765	9549589.298	41.571	BUEIRO EM CIMA
26	556296.976	9549590.413	41.107	PONTO
27	556297.799	9549594.453	41.512	E
28	556324.056	9549584.765	40.876	C
29	556324.220	9549593.221	41.168	C
30	556308.760	9549588.865	39.681	BUEIRO EM BAIXO
31	556315.048	9549591.110	41.299	E
32	556077.518	9549630.595	50.204	MEIO FIO
33	556080.342	9549628.641	50.172	C
34	556070.805	9549631.592	50.508	MEIO FIO
35	556072.508	9549631.938	50.376	MEIO FIO
36	556084.913	9549641.243	49.890	MEIO FIO
37	556085.972	9549641.632	49.847	PONTO
38	556079.269	9549630.222	50.069	PONTO
39	556084.762	9549630.496	50.051	C
40	556070.799	9549630.075	50.655	C
41	556071.708	9549630.430	50.604	C
42	556069.074	9549626.658	50.687	C
43	556069.771	9549629.002	50.674	C
44	556069.326	9549630.643	50.569	MEIO FIO
45	556068.669	9549629.925	50.573	MEIO FIO
46	556067.878	9549626.981	50.646	MEIO FIO
47	556121.987	9549634.233	47.883	C
48	556122.186	9549635.087	47.726	M
49	556112.409	9549636.867	48.606	M



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50	556112.803	9549625.037	48.596	PONTO
51	556129.578	9549626.943	47.441	E
52	556117.323	9549635.893	48.581	PONTO
53	556111.726	9549623.231	49.011	C
54	556097.589	9549639.939	49.003	PONTO
55	556099.228	9549633.185	49.296	E
56	556089.253	9549640.451	49.988	PONTO
57	556091.632	9549641.510	51.909	M
58	556106.277	9549637.202	49.077	PONTO
59	556112.310	9549636.133	48.685	C
60	556105.881	9549625.902	49.103	C
61	556104.016	9549638.864	49.022	C
62	556366.268	9549586.501	41.595	AV. COSTA LIMA
63	556364.106	9549576.440	41.722	AV. COSTA LIMA
64	556370.810	9549587.766	41.638	RUA JOAO ANTONIO
65	556369.160	9549586.229	41.675	C
66	556368.162	9549573.285	42.541	RUA JOAO ANTONIO
67	556366.953	9549574.610	41.750	C
68	556365.866	9549575.652	41.763	C
69	556382.394	9549621.542	41.856	E
70	556376.020	9549617.024	41.348	C
71	556389.569	9549638.924	42.055	PONTO
72	556384.891	9549638.777	41.995	E
73	556379.732	9549605.412	41.715	E
74	556376.297	9549588.339	41.790	E
75	556384.934	9549607.784	41.172	C
76	556383.955	9549606.704	41.204	PONTO
77	556378.332	9549573.884	41.806	PONTO
78	556361.768	9549479.185	44.301	C
79	556350.925	9549480.263	43.915	C
80	556363.569	9549515.723	42.243	E
81	556364.357	9549497.553	42.512	PONTO
82	556344.676	9549445.568	44.571	C
83	556354.584	9549439.455	44.349	C
84	556354.603	9549468.925	44.273	E
85	556351.350	9549451.263	44.935	E
86	556375.601	9549558.227	42.124	PONTO
87	556376.522	9549558.700	42.146	C
88	556372.772	9549565.384	42.042	E
89	556367.068	9549535.787	41.998	E
90	556360.368	9549529.420	41.806	C
91	556370.329	9549554.133	42.282	E
92	556372.193	9549534.743	42.412	C
93	556406.986	9549789.686	41.632	MEIO FIO
94	556413.884	9549788.571	41.759	RN-05
95	556407.212	9549770.048	41.894	E
96	556406.082	9549784.794	42.195	MEIO FIO
97	556409.681	9549783.974	42.051	E
98	556410.353	9549763.087	41.801	PONTO
99	556413.242	9549783.245	41.692	MEIO FIO



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100	556415.066	9549782.515	41.768	RUA JOAO ANTONIO
101	556374.923	9549579.786	41.648	E
102	556391.356	9549680.097	42.074	E
103	556404.482	9549785.290	41.333	RUA JOAO ANTONIO
104	556387.785	9549623.475	41.764	C
105	556405.367	9549759.607	42.609	E
106	556402.671	9549744.325	42.476	E
107	556394.185	9549696.402	42.088	E
108	556395.001	9549667.778	42.003	C
109	556385.368	9549672.126	41.830	C
110	556399.638	9549699.622	42.007	PONTO
111	556380.079	9549641.506	41.722	C
112	556390.221	9549638.456	41.997	C
113	556394.482	9549668.101	42.043	PONTO
114	556387.962	9549657.867	43.585	E
115	556396.384	9549737.296	42.455	C
116	556405.640	9549731.838	42.137	C
117	556410.837	9549759.293	42.147	C
118	556400.408	9549760.833	42.338	C
119	556390.916	9549703.839	41.910	C
120	556400.236	9549700.034	42.122	C
121	556405.216	9549731.643	42.015	PONTO
122	556398.308	9549718.642	42.221	E
123	555921.962	9549667.190	54.749	M
124	556335.038	9549582.732	41.292	C
125	556081.807	9549629.445	49.997	MEIO FIO
126	555759.698	9549719.047	56.046	M
127	556172.039	9549624.588	44.156	C
128	555773.650	9549703.360	56.191	M
129	556083.642	9549630.345	49.941	C
130	555768.434	9549717.400	58.252	PONTO
131	556059.546	9549646.292	51.087	PONTO
132	556024.948	9549672.192	52.014	PONTO
133	556021.701	9549658.915	52.174	PONTO
134	555943.981	9549662.047	54.232	PONTO
135	556027.062	9549641.786	52.289	PONTO
136	555886.606	9549675.740	55.164	PONTO
137	555899.999	9549672.675	55.138	PONTO
138	555793.697	9549704.465	54.805	E
139	555804.998	9549707.478	55.232	M
140	555772.412	9549709.466	55.378	E
141	555785.907	9549701.368	54.657	PONTO
142	555809.978	9549695.508	55.315	PONTO
143	555846.652	9549691.935	55.063	E
144	555805.340	9549706.996	55.094	PONTO
145	555809.927	9549694.321	55.405	M
146	555745.451	9549715.696	55.591	E
147	555780.832	9549707.528	55.839	PONTO
148	555722.064	9549713.982	55.904	M
149	556337.723	9549590.407	41.346	C



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150	555739.549	9549722.319	55.537	M
151	555721.130	9549715.095	55.762	PONTO
152	555771.512	9549716.819	55.922	M
153	555765.478	9549718.136	57.596	M
154	555760.232	9549717.524	57.604	PONTO
155	556502.138	9549930.928	42.199	A
156	556501.163	9549934.350	41.930	E
157	556515.057	9549928.133	42.217	E
158	556506.992	9549928.620	41.995	A
159	556495.044	9549941.443	41.998	PONTO
160	556490.478	9549939.402	41.832	E
161	556495.537	9549932.525	42.070	RUA JOAQUIM ANTONIO
162	556489.572	9549931.439	41.944	M
163	556563.188	9549911.544	43.752	RUA
164	556568.010	9549901.515	44.175	C
165	556572.315	9549906.321	44.137	RUA
166	556518.300	9549923.737	42.646	A
167	556517.351	9549931.139	42.581	C
168	556546.394	9549918.587	43.189	C
169	556528.018	9549918.718	42.847	M
170	556061.426	9549640.777	50.971	E
171	556084.059	9549636.225	49.882	E
172	556248.205	9549604.210	41.909	E
173	556113.974	9549630.141	48.560	E
174	556026.127	9549686.484	53.010	E
175	556049.060	9549750.673	51.234	PONTO
176	555881.361	9549683.617	54.652	E
177	555827.474	9549696.272	55.051	E
178	556480.969	9549932.106	41.811	MEIO FIO
179	556485.820	9549928.625	41.846	MEIO FIO
180	556490.498	9549944.453	41.695	RUA JOAQUIM ANTONIO
181	556490.434	9549944.418	41.712	MEIO FIO
182	556266.047	9549600.750	41.591	E
183	556203.947	9549612.970	42.844	E
184	556488.138	9549931.664	41.884	MEIO FIO
185	556015.849	9549651.487	52.373	E
186	556024.953	9549652.659	52.265	MEIO FIO
187	556023.491	9549665.783	52.281	C
188	556020.658	9549654.600	52.221	RUA MANOEL SEVERO
189	556031.344	9549651.926	52.101	PONTO
190	556041.726	9549644.747	51.727	E
191	556023.776	9549643.963	52.353	MEIO FIO
192	556023.082	9549642.657	52.398	M
193	556050.574	9549756.351	51.039	M
194	556045.067	9549757.116	51.193	C
195	556047.971	9549756.800	51.124	E
196	556039.496	9549718.881	51.660	C
197	556027.747	9549684.030	53.538	C
198	556049.786	9549752.824	51.328	M
199	556043.711	9549732.841	51.428	C

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200	556057.922	9549634.918	51.023	MEIO FIO
201	556059.036	9549634.090	50.984	MEIO FIO
202	556067.858	9549644.347	50.725	PONTO
203	556057.163	9549635.768	51.058	MEIO FIO
204	556059.433	9549628.814	50.846	MEIO FIO
205	556063.792	9549627.877	50.754	PONTO
206	556059.812	9549633.081	50.934	MEIO FIO
207	556060.296	9549631.990	50.845	MEIO FIO
208	556053.916	9549647.865	51.214	M
209	556053.915	9549647.288	51.313	M
210	556044.757	9549638.918	51.640	PONTO
211	556047.118	9549636.860	51.692	M
212	556078.115	9549643.314	50.482	C
213	556075.250	9549641.472	49.781	C
214	556056.624	9549646.799	51.217	PONTO
215	556043.172	9549740.806	51.335	E
216	555909.279	9549671.118	54.870	PONTO
217	555907.216	9549670.903	55.129	M
218	555895.819	9549680.354	54.464	E
219	555924.477	9549666.661	54.375	M
220	555935.503	9549670.813	53.803	E
221	555911.946	9549670.590	55.036	PONTO
222	555913.934	9549676.422	54.296	E
223	555865.469	9549687.217	55.045	E
224	555872.669	9549680.287	55.106	PONTO
225	555855.996	9549694.625	55.303	PONTO
226	555855.399	9549684.587	55.244	PONTO
227	555887.274	9549688.217	55.505	M
228	555878.679	9549677.530	55.375	M
229	555874.634	9549690.655	55.144	M
230	555880.521	9549689.507	55.225	PONTO
231	556028.274	9549702.340	52.041	PONTO
232	556031.673	9549705.435	53.654	E
233	556020.450	9549667.110	52.229	E
234	556020.495	9549679.114	52.421	C
235	556040.071	9549739.361	51.518	PONTO
236	556037.288	9549723.218	51.492	E
237	556034.451	9549724.050	52.012	C
238	555981.506	9549658.995	51.348	E
239	555999.126	9549649.821	53.124	PONTO
240	555950.921	9549661.994	54.151	PONTO
241	555963.730	9549663.700	53.542	E
242	556015.319	9549661.508	52.570	PONTO
243	556014.691	9549662.968	52.396	C
244	556003.165	9549653.869	52.598	E
245	556011.064	9549659.068	52.663	RUA MANOEL SEVERO
246	556259.741	9550614.852	39.620	E
247	556243.723	9550627.493	39.796	E
248	556241.792	9550622.543	39.784	C
249	556280.772	9550591.376	39.339	E



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450	556315.769	9550881.485	43.452	E
451	556310.971	9550884.837	42.899	E
452	556324.854	9550912.874	44.438	E
453	556320.189	9550896.807	43.823	E
454	556298.617	9550815.221	41.619	E
455	556287.358	9550782.675	40.975	E
456	556306.268	9550848.592	42.394	E
457	556301.573	9550832.312	41.999	E
458	556248.993	9550647.384	40.145	E
459	556335.114	9550984.636	47.205	C
460	556298.925	9550789.436	40.926	C
461	556286.633	9550818.088	41.665	C
462	556310.985	9550901.546	44.307	C
463	556118.172	9550657.490	40.344	E
464	556132.779	9550654.097	40.344	E
465	556434.683	9551246.847	51.549	RUA HERMES ASSUNÇÃO
466	556347.120	9550955.317	45.846	C
467	556298.978	9550785.356	40.864	C
468	556101.539	9550661.052	40.344	E
469	556234.675	9550637.415	39.639	RUA HERMES ASSUNÇÃO
470	556069.806	9550675.789	41.203	C
471	556025.433	9550699.973	41.090	RUA
472	556260.687	9550729.326	40.046	C
473	556269.199	9550690.438	39.400	C
474	556272.757	9550692.928	39.359	C
475	556359.897	9551066.959	49.108	C
476	556328.379	9550546.101	39.745	C
477	556325.222	9550537.135	39.745	C
478	556403.145	9551206.780	51.163	PONTO
479	556323.832	9550873.091	42.498	C
480	556725.610	9550131.058	39.580	E
481	556624.564	9550200.655	39.662	E
482	556747.142	9550111.497	39.573	E
483	556736.485	9550121.164	39.604	E
484	556084.478	9550664.902	40.754	E
485	556069.224	9550669.116	40.843	E
486	556529.355	9550299.328	39.134	E
487	556520.423	9550312.166	39.150	E
488	556040.323	9549447.018	50.018	E
489	556814.491	9550049.312	39.191	E
490	556039.953	9549440.390	49.762	RUA GENERAL DUTRA
491	556039.787	9549441.722	49.840	MEIO FIO
492	556758.876	9550100.417	39.430	E
493	556770.366	9550089.982	39.361	E
494	556791.663	9550069.775	39.372	E
495	556348.228	9550993.845	47.227	E
496	556353.102	9551010.640	47.511	E
497	556372.431	9551074.815	49.248	E
498	556334.249	9550945.695	45.801	E
499	556329.532	9550929.118	45.100	E



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500	556343.679	9550978.104	46.709	E
501	556338.990	9550981.849	46.224	E
502	556028.415	9550689.547	41.029	E
503	556013.393	9550697.446	41.099	E
504	556055.279	9550675.409	41.063	E
505	556042.153	9550682.381	41.163	E
506	556382.086	9551106.359	49.760	E
507	556377.449	9551091.101	49.494	E
508	556420.724	9551232.757	51.318	E
509	556386.905	9551122.035	50.105	E
510	556491.095	9550061.940	41.405	EIXO
511	556471.354	9550047.511	37.997	EIXO
512	556528.039	9550062.592	37.225	EIXO
513	556490.582	9550067.853	39.902	TERRENO
514	556378.966	9549930.821	39.182	TERRENO
515	556351.738	9549861.343	39.434	TERRENO
516	556459.763	9550047.649	38.625	TERRENO
517	556429.151	9550045.809	38.852	TERRENO
518	555843.464	9549809.349	63.797	TERRENO
519	555825.207	9549812.153	58.328	TERRENO
520	556092.548	9549896.140	49.161	TERRENO
521	555881.134	9549983.864	46.354	TERRENO
522	556609.171	9550131.771	38.118	TERRENO
523	556516.623	9550057.911	38.965	TERRENO
524	555739.549	9549722.319	55.537	TERRENO
525	555758.337	9549719.285	56.046	TERRENO
526	556586.246	9550218.094	38.288	CERCA
527	556562.182	9550243.202	38.053	CERCA
528	556140.612	9549802.005	46.922	TERRENO
529	556084.003	9549940.728	49.412	TERRENO
530	556319.977	9549756.692	39.763	TERRENO
531	556234.747	9549778.196	42.116	TERRENO
532	556813.474	9549981.889	41.968	E
533	556839.559	9550008.853	40.199	E
534	555810.834	9549791.710	58.583	TERRENO
535	556773.677	9549940.938	41.968	E
536	556333.797	9549840.281	39.494	TERRENO
537	556341.218	9549804.955	39.413	EIXO
538	556360.770	9549858.705	38.742	EIXO
539	556351.279	9549834.747	38.857	EIXO
540	556330.134	9549736.629	39.080	EIXO
541	556323.655	9549780.945	39.525	TERRENO
542	556337.998	9549788.945	39.406	EIXO
543	556219.152	9549096.826	42.865	RUA
544	556205.448	9549099.836	42.826	RUA
545	556245.465	9549092.519	43.119	RUA
546	556238.987	9549093.513	43.153	RUA
547	556202.272	9549102.809	42.781	RUA
548	556202.430	9549108.717	42.698	RUA
549	556204.327	9549100.198	42.761	RUA



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550	556203.202	9549101.244	42.775	RUA
551	556259.908	9549144.022	43.433	RUA
552	556254.872	9549117.419	43.290	RUA
553	556264.739	9549172.038	43.552	RUA
554	556262.788	9549159.447	43.580	RUA
555	556248.060	9549093.891	43.012	RUA
556	556249.831	9549095.729	43.066	RUA
557	556250.915	9549097.747	43.171	RUA
558	556350.357	9550521.237	38.534	CERCA
559	556333.210	9550528.346	38.848	CERCA
560	556408.462	9550459.166	38.258	CERCA
561	556389.693	9550479.232	38.704	CERCA
562	556460.783	9550388.037	39.152	CERCA
563	556441.568	9550409.400	39.217	CERCA
564	556446.873	9550417.318	38.105	CERCA
565	556467.874	9550380.338	38.995	CERCA
566	556690.577	9550156.100	38.304	CERCA
567	556680.329	9550178.124	39.246	MURO TERRENO ARGEMIRO
568	556732.312	9550117.682	39.604	CERCA
569	556710.612	9550137.225	38.311	RN-06
570	556474.971	9550371.417	39.057	CERCA
571	556325.222	9550537.135	39.745	CERCA
572	556739.941	9550124.958	39.600	MURO TERRENO ARGEMIRO
573	556649.700	9550192.337	39.323	MURO TERRENO ARGEMIRO
574	556070.509	9549819.900	50.359	TERRENO
575	556626.143	9550203.056	39.516	MURO TERRENO ARGEMIRO
576	556517.258	9550307.888	38.723	CERCA
577	556503.497	9550328.421	38.694	CERCA
578	556499.934	9550353.235	38.057	CERCA
579	556538.960	9550295.318	38.193	CERCA
580	556589.808	9550227.204	39.383	MURO TERRENO ARGEMIRO
581	556564.610	9550259.223	39.095	MURO TERRENO ARGEMIRO
582	556532.805	9550285.135	37.928	CERCA
583	556194.660	9549064.264	43.384	RUA
584	556194.428	9549043.509	43.935	RUA
585	556194.567	9549109.074	42.740	RUA
586	556194.529	9549084.338	42.988	RUA
587	556375.947	9549931.658	38.788	EIXO
588	555722.064	9549713.982	55.904	MURO
589	556190.821	9549038.775	44.032	MEIO FIO
590	556609.473	9550130.918	38.338	EIXO
591	556840.501	9550007.301	40.743	RUA
592	556774.564	9550077.454	39.307	C
593	556749.409	9549918.832	47.901	RUA
594	556753.634	9549917.282	44.704	RUA
595	556773.384	9550063.974	39.526	M
596	556767.255	9550067.520	39.596	C
597	556773.688	9550074.744	39.332	RUA FRANCISCO PONTOEIRA
598	556772.720	9550068.263	39.519	E
599	556730.846	9549933.455	45.288	PONTO



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600	556761.388	9549930.033	45.161	PONTO
601	556774.318	9549943.986	44.474	PONTO
602	556890.161	9549970.043	43.697	PONTO
603	556765.547	9550055.921	39.831	PONTO
604	556700.144	9549957.783	44.252	PONTO
605	556895.280	9549965.224	43.980	PONTO
606	556718.303	9550016.026	41.554	PONTO
607	556716.362	9550013.109	41.728	A
608	556721.887	9550018.947	41.429	A
609	556719.492	9550016.557	41.445	A
610	556715.045	9550003.431	42.045	C
611	556709.866	9550007.156	41.824	PONTO
612	556715.050	9550012.714	41.767	M
613	556715.527	9550012.411	41.732	PONTO
614	556753.504	9550043.366	40.376	C
615	556750.765	9550045.697	40.242	E
616	556762.216	9550052.367	39.933	M
617	556749.281	9550048.539	40.193	C
618	556724.519	9550021.580	41.376	A
619	556727.733	9550025.857	41.200	C
620	556735.181	9550024.552	41.192	C
621	556829.160	9550007.619	40.128	PONTO
622	556749.934	9549915.751	46.013	E
623	556729.846	9549930.352	45.314	E
624	556717.080	9549940.575	44.984	E
625	556726.248	9550023.524	41.355	A
626	556730.431	9550028.715	41.089	PONTO
627	556762.680	9549905.458	46.348	E
628	556813.009	9550025.658	39.559	E
629	556740.155	9550034.286	39.137	E
630	556761.668	9550056.913	39.839	E
631	556727.609	9550021.277	41.159	E
632	556716.623	9550009.862	41.832	E
633	556896.059	9549988.400	42.565	E
634	556867.050	9549980.892	42.906	E
635	556779.316	9550075.006	39.424	E
636	556880.061	9549970.699	43.467	E
637	556885.212	9549961.963	43.956	PONTO
638	556864.952	9549978.316	43.202	PONTO
639	556823.549	9550020.895	40.940	PONTO
640	556821.232	9550022.886	40.715	C
641	556839.027	9549999.531	41.939	PONTO
642	556850.896	9549989.832	42.704	PONTO
643	556856.443	9549985.281	42.936	PONTO
644	556702.960	9550000.010	42.169	PONTO
645	556899.351	9549996.238	42.459	PONTO
646	556725.322	9550023.308	41.254	PONTO
647	556720.887	9550018.742	41.623	PONTO
648	556829.505	9550016.050	41.214	PONTO
649	556827.000	9550018.097	41.141	PONTO



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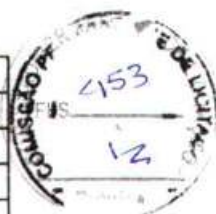
650	556689.240	9549985.709	42.855	PONTO
651	556664.005	9549987.683	42.736	PONTO
652	556667.495	9551237.476	51.606	CE 350
653	556705.860	9551233.087	51.556	CE 350
654	556593.480	9551245.678	51.672	CE 350
655	556626.009	9551241.971	51.577	CE 350
656	556744.815	9551222.444	51.354	CE 350
657	556718.656	9551225.453	51.437	CE 350
658	556732.503	9551230.151	51.437	CE 350
659	556746.545	9551228.295	51.355	CE 350
660	556427.069	9551264.406	52.188	CE 350
661	556414.947	9551265.444	52.319	CE 350
662	556393.838	9551265.920	52.499	CE 350
663	556516.195	9551254.396	51.731	CE 350
664	556554.618	9551250.105	51.637	CE 350
665	556454.141	9551261.658	51.970	CE 350
666	556487.585	9551257.709	51.721	CE 350
667	556466.064	9551254.140	51.461	CE 350
668	556449.821	9551255.859	51.669	CE 350
669	556512.152	9551248.805	51.532	CE 350
670	556489.325	9551251.167	51.563	CE 350
671	556309.772	9549596.434	41.509	BUEIRO CIMA
672	556280.025	9549408.899	41.520	BUEIRO BAIXO
673	556433.918	9551257.708	51.712	CE 350
674	556309.884	9549596.811	39.739	BUEIRO BAIXO
675	556.540.717	9.551.232.699	51.544	RN-07
676	556626.582	9551235.835	51.470	CE 350
677	556691.407	9551228.548	51.531	CE 350
678	556674.429	9551230.459	51.498	CE 350
679	556545.646	9551245.045	51.530	CE 350
680	556577.684	9551241.357	51.518	CE 350
681	556603.883	9551238.373	51.454	CE 350
682	556371.614	9551264.625	52.639	CE 350
683	556345.140	9549822.897	40.453	EIXO
684	556359.217	9549851.249	38.875	EIXO
685	556431.753	9550016.790	38.715	EIXO
686	556039.126	9548205.825	46.748	EIXO
687	556680.857	9550178.210	39.185	BUEIRO MURO DO ARGEMIRO
688	556182.081	9549183.485	40.944	EIXO
689	556060.004	9548165.022	47.044	EIXO
690	556372.107	9550669.822	39.359	PONTOISCINA
691	556269.199	9550690.438	39.400	CERCA
692	556272.757	9550692.928	39.359	PONTOISCINA
693	556323.832	9550873.091	42.498	CERCA
694	556435.045	9550848.430	40.926	CERCA
695	556463.703	9550929.069	45.846	DURO BLOCO
696	556572.973	9551228.400	51.009	DURO BLOCO
697	556448.047	9550039.204	38.456	EIXO
698	556251.055	9550630.257	39.673	RUA
699	556434.683	9551246.847	51.549	DURO BLOCO



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700	556347.120	9550955.317	45.846	DURO BLOCO
701	556298.978	9550785.356	40.864	PONTOISCINAS
702	556294.617	9551252.259	53.062	CE 350
703	556315.212	9551256.191	52.995	CE 350
704	556309.404	9551248.890	52.778	CE 350
705	556293.118	9551246.129	52.856	CE 350
706	556358.313	9551263.139	52.742	CE 350
707	556346.428	9551261.508	52.786	CE 350
708	556336.194	9551259.823	52.833	CE 350
709	556428.343	9551258.079	51.898	CE 350
710	556417.082	9551259.136	51.879	CE 350
711	556676.811	9550168.135	37.533	BUEIRO BAIXO
712	556677.822	9550169.539	39.086	BUEIRO CIMA
713	556355.324	9551256.617	52.431	CE 350
714	556337.153	9551253.833	52.585	CE 350
715	556397.515	9551259.751	52.071	CE 350
716	556374.333	9551258.712	52.269	CE 350
717	556198.504	9549116.016	42.495	CN
718	556232.612	9549113.342	42.444	CN
719	556188.749	9549083.774	42.091	CN
720	556178.075	9549116.216	41.836	CN
721	556216.583	9549140.955	42.166	CN
722	556241.343	9549139.699	42.422	CN
723	556219.319	9549117.549	42.232	CN
724	556205.820	9549140.908	41.940	CN
725	556196.861	9549030.858	44.064	CANTEIRO
726	556196.620	9549028.782	44.043	CANTEIRO
727	556196.180	9549029.731	44.039	CANTEIRO
728	556181.022	9549056.479	42.521	CN
729	556186.628	9549067.212	42.545	CN
730	556189.705	9549039.292	44.007	MEIO FIO
731	556179.128	9549049.680	42.708	CN
732	556260.484	9549196.286	42.109	CN
733	556276.890	9549191.720	43.615	RUA
734	556223.091	9549201.013	41.521	CN
735	556242.551	9549200.365	42.192	CN
736	556269.410	9549187.999	43.625	RUA
737	556267.656	9549185.365	43.692	RUA
738	556275.111	9549191.543	43.669	RUA
739	556272.415	9549190.739	43.728	RUA
740	556217.805	9549160.082	41.821	CN
741	556205.995	9549160.276	41.800	CN
742	556242.661	9549162.343	42.314	CN
743	556233.831	9549144.885	42.280	CN
744	556207.183	9549188.954	41.534	CN
745	556187.703	9549184.095	41.699	CN
746	556186.579	9549164.859	41.620	CN
747	556204.202	9549027.159	44.158	CANTEIRO
748	556130.384	9549066.596	41.940	CN
749	556136.171	9549083.097	41.870	CN



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750	556144.742	9549106.907	41.905	CN
751	556129.610	9549107.153	42.045	CN
752	556136.207	9549152.080	41.992	CN
753	556123.593	9549067.169	41.966	CN
754	556125.031	9549086.215	42.098	CN
755	556145.740	9549053.467	41.246	BUEIRO BAIXO
756	556165.754	9549213.220	41.571	CN
757	556277.962	9549398.228	41.627	BUEIRO BAIXO
758	556148.552	9549066.902	40.920	EIXO
759	556154.133	9549153.142	41.729	CN
760	556151.548	9549129.608	41.847	CN
761	556164.373	9549196.277	41.674	CN
762	556155.475	9549179.071	41.856	CN
763	556145.445	9549051.790	43.493	BUEIRO CIMA
764	556176.941	9549032.289	43.959	CANTEIRO
765	556067.191	9549070.482	43.962	CN
766	556065.162	9549062.118	44.844	MEIO FIO
767	556204.643	9549029.531	44.131	CANTEIRO
768	556177.349	9549034.615	43.918	CANTEIRO
769	556177.834	9549033.378	43.945	RN-04
770	556114.745	9549206.669	42.705	CN
771	556109.238	9549182.719	42.799	CN
772	556139.652	9549181.757	41.956	CN
773	556140.503	9549206.899	41.706	CN
774	556084.149	9549108.111	43.595	CN
775	556075.174	9549086.786	43.883	CN
776	556101.847	9549157.149	43.026	CN
777	556091.230	9549127.278	43.307	CN
778	556711.904	9549849.426	48.715	C
779	556711.548	9549866.620	48.078	C
780	556699.990	9549852.105	48.503	RUA JOAQUIM ANTONIO
781	556704.876	9549852.453	48.518	RUA MANOEL ANTONIO
782	556716.732	9549878.140	47.556	M
783	556716.326	9549876.527	47.727	PONTO
784	556722.537	9549871.557	48.022	M
785	556689.558	9549801.400	49.947	C
786	556686.683	9549812.435	49.468	C
787	556680.064	9549798.414	49.167	M
788	556686.392	9549795.920	49.411	M
789	556700.091	9549842.574	48.695	RUA MANOEL ANTONIO
790	556699.837	9549843.224	48.655	RUA JOAQUIM ANTONIO
791	556708.419	9549842.429	48.974	C
792	556705.485	9549845.169	48.494	E
793	556731.938	9549890.545	49.539	C
794	556727.082	9549900.594	46.648	RUA MANOEL ANTONIO
795	556726.079	9549900.021	46.756	M
796	556721.597	9549894.273	47.082	RUA MARIA IZABEL
797	556721.532	9549894.856	46.983	PONTO
798	556722.250	9549899.478	46.821	RUA MARIA IZABEL
799	556714.401	9549901.307	46.564	E



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800	556725.022	9549899.671	46.797	M
801	556723.858	9549899.425	46.887	M
802	556744.543	9549915.633	46.246	RUA MANOEL ANTONIO
803	556740.842	9549916.605	46.073	E
804	556728.380	9549892.770	46.742	E
805	556723.298	9549891.685	47.058	PONTO
806	556722.995	9549892.043	47.083	RUA MANOEL ANTONIO
807	556735.734	9549917.559	46.030	RUA MANOEL ANTONIO
808	556736.279	9549917.429	46.030	PONTO
809	556640.533	9549877.029	46.701	M
810	556656.961	9549870.081	47.299	PONTO
811	556635.905	9549875.483	46.470	E
812	556637.687	9549871.490	46.728	C
813	556661.002	9549861.247	47.645	M
814	556671.757	9549856.784	47.991	C
815	556657.462	9549866.620	47.297	E
816	556664.280	9549867.066	47.599	M
817	556606.704	9549891.349	45.318	M
818	556604.732	9549886.274	45.484	C
819	556577.945	9549903.522	44.276	M
820	556577.164	9549897.355	44.520	C
821	556625.244	9549876.862	46.343	M
822	556621.369	9549885.205	45.991	M
823	556610.673	9549883.565	45.862	PONTO
824	556655.191	9549758.245	50.689	MEIO FIO
825	556660.997	9549759.072	50.877	M
826	556663.943	9549763.226	54.723	M
827	556670.066	9549754.685	51.185	AV. MANOEL SEVERO
828	556664.559	9549755.505	50.921	E
829	556659.057	9549757.187	50.796	MEIO FIO
830	556659.360	9549758.157	50.890	AV. MANOEL SEVERO
831	556686.883	9549850.397	48.391	C
832	556691.878	9549854.249	48.418	A
833	556674.649	9549862.719	47.829	C
834	556684.647	9549854.975	48.292	E
835	556669.689	9549753.267	51.150	MEIO FIO
836	556670.326	9549760.802	50.982	M
837	556695.737	9549850.172	48.510	E
838	556673.530	9549751.573	51.289	MEIO FIO
839	556578.520	9550001.829	41.045	C
840	556589.479	9549995.103	41.550	E
841	556569.009	9550016.260	40.321	RUA MARIA IZABEL
842	556565.602	9550013.556	40.052	RUA MARIA IZABEL
843	556594.810	9549969.007	42.569	A
844	556593.649	9549973.563	42.409	E
845	556591.312	9549990.675	41.792	RUA
846	556601.528	9549976.719	42.433	M
847	556606.539	9549980.380	42.444	E
848	556608.074	9549976.501	42.591	RUA MARIA IZABEL
849	556602.589	9549977.095	42.441	C



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850	556595.808	9549993.090	41.767	C
851	556576.139	9550009.841	40.675	C
852	556600.662	9549987.848	42.231	PONTO
853	556600.468	9549989.327	42.087	M
854	556593.270	9549964.731	42.696	A
855	556581.037	9549944.532	43.152	E
856	556583.374	9549939.133	43.433	PONTO
857	556588.458	9549949.966	43.262	A
858	556586.620	9549945.572	43.460	A
859	556570.229	9549931.821	43.274	C
860	556575.013	9549929.306	43.380	E
861	556583.283	9549934.480	43.593	M
862	556582.418	9549934.787	43.475	M
863	556591.941	9549960.584	42.951	A
864	556591.212	9549960.344	42.895	PONTO
865	556582.464	9549965.646	42.539	C
866	556590.443	9549953.337	43.413	PONTO
867	556588.405	9549952.503	43.218	PONTO
868	556590.570	9549956.764	43.024	A
869	556591.520	9549955.957	42.939	M
870	556662.780	9549936.103	44.585	M
871	556662.553	9549935.415	44.599	PONTO
872	556662.532	9549928.956	44.880	C
873	556664.174	9549931.284	44.689	E
874	556643.963	9549945.605	44.026	C
875	556642.797	9549947.663	44.006	C
876	556656.874	9549937.466	44.352	E
877	556647.936	9549948.517	44.156	M
878	556680.945	9549917.395	45.671	C
879	556680.848	9549920.318	45.381	E
880	556700.917	9549909.029	46.211	E
881	556692.499	9549911.134	46.017	PONTO
882	556669.229	9549931.319	44.984	PONTO
883	556670.566	9549930.463	45.376	M
884	556670.247	9549929.786	45.129	M
885	556623.784	9549968.965	43.192	M
886	556626.065	9549961.938	43.375	PONTO
887	556626.138	9549961.350	43.371	M
888	556616.219	9549969.615	42.909	M
889	556616.071	9549975.741	42.810	C
890	556620.639	9549968.947	42.992	E
891	556620.504	9549971.134	42.950	PONTO
892	556635.939	9549956.064	43.759	E
893	556635.539	9549958.961	43.616	PONTO
894	556641.471	9549948.908	44.010	PONTO
895	556640.801	9549949.659	44.027	C
896	556630.746	9549956.847	43.703	M
897	556625.831	9549960.966	43.515	M
898	556632.636	9549960.683	43.473	PONTO
899	556631.052	9549957.133	43.560	M

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900	556747.577	9549920.271	45.717	C
901	556745.602	9549915.655	46.026	RUA JOAO MARIANO
902	556742.454	9549920.343	45.831	E
903	556746.017	9549921.433	45.684	PONTO
904	556773.486	9549900.025	49.327	RUA JOÃO MARIANO
905	556772.712	9549897.234	48.121	E
906	556748.115	9549914.348	45.938	C
907	556770.826	9549895.776	46.476	RUA JOÃO MARIANO
908	556711.504	9549946.779	44.522	C
909	556704.127	9549954.506	44.352	M
910	556703.219	9549955.334	44.279	PONTO
911	556734.850	9549922.448	45.760	PONTO
912	556740.496	9549924.442	45.591	PONTO
913	556709.146	9549943.006	45.075	M
914	556734.116	9549921.989	45.871	RUA JOAO MARIANO
915	556784.957	9549952.943	43.799	E
916	556784.073	9549954.599	43.897	C
917	556777.489	9549947.505	44.296	C
918	556785.823	9549950.967	43.957	C
919	556796.476	9549966.711	43.149	C
920	556801.538	9549969.541	42.750	E
921	556786.762	9549957.111	43.698	PONTO
922	556797.600	9549963.328	43.322	C
923	556761.494	9549924.829	45.443	C
924	556758.212	9549927.374	45.655	C
925	556752.788	9549910.843	46.024	RUA
926	556754.169	9549914.996	45.722	RUA JOAO MARIANO
927	556771.468	9549935.530	45.003	C
928	556761.780	9549930.442	45.132	C
929	556761.003	9549927.543	45.226	E
930	556695.300	9549957.856	44.087	E
931	556680.975	9549977.248	43.211	RUA FRANCISCO PONTOEIREIRA
932	556687.711	9549972.531	43.473	RUA FRANCISCO PONTOEIREIRA
933	556688.708	9549973.600	43.499	M
934	556610.421	9550023.477	40.333	C
935	556614.534	9550028.543	40.110	C
936	556679.680	9549976.309	43.271	C
937	556678.520	9549976.076	43.191	RUA JOAO MARIANO
938	556695.437	9549992.227	42.622	M
939	556701.242	9549988.802	42.618	C
940	556705.287	9550002.554	42.108	M
941	556706.091	9549999.478	42.151	E
942	556694.162	9549990.756	42.538	PONTO
943	556684.406	9549975.611	43.194	E
944	556702.339	9549987.987	42.819	C
945	556700.078	9549985.279	42.992	C
946	556687.158	9549970.051	43.632	PONTO
947	556696.361	9549964.253	43.951	M
948	556660.822	9549982.181	42.855	PONTO
949	556680.051	9549965.917	43.793	M



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950	556691.681	9549957.144	43.994	PONTO
951	556693.096	9549955.723	44.086	M
952	556694.725	9549962.413	43.868	M
953	556626.331	9550009.955	41.332	PONTO
954	556635.014	9550011.636	40.707	M
955	556618.537	9550015.934	40.873	C
956	556624.461	9550015.877	41.220	E
957	556657.979	9549992.550	42.602	C
958	556653.971	9549991.243	42.475	E
959	556639.398	9550003.103	41.823	E
960	556645.109	9549994.444	42.411	C
961	556660.933	9549930.433	44.793	PONTO
962	556637.679	9549952.005	43.930	PONTO
963	556599.973	9549989.662	42.079	PONTO
964	556722.303	9549893.216	47.089	PONTO
965	556596.775	9549967.010	42.923	PONTO
966	556592.117	9549957.283	43.138	PONTO
967	556628.800	9549958.558	43.831	PONTO
968	556618.469	9549967.850	43.178	PONTO
969	556546.207	9549910.953	43.677	PONTO
970	556538.774	9549914.136	43.337	PONTO
971	556572.751	9550012.829	40.443	PONTO
972	556714.157	9549872.295	47.969	PONTO
973	556730.381	9549906.960	46.399	PONTO
974	556555.431	9549907.007	43.689	PONTO
975	556630.240	9549874.796	46.333	PONTO
976	556714.311	9549854.503	48.590	PONTO
977	556688.761	9549800.147	49.926	PONTO
978	556508.666	9549926.975	42.327	PONTO
979	556513.298	9549926.074	41.257	A
980	556495.845	9549941.733	42.324	C
981	556662.513	9549761.196	50.882	M
982	556670.145	9549757.320	50.969	PONTO
983	556520.812	9549929.446	42.526	C
984	556654.508	9549864.173	47.746	PONTO
985	556644.588	9549868.553	47.248	PONTO
986	556586.874	9549943.990	43.727	PONTO
987	556578.852	9549903.094	44.336	PONTO
988	556521.379	9549921.598	43.202	PONTO
989	556572.694	9549899.488	44.313	PONTO
990	556580.481	9549896.105	44.688	PONTO
991	556594.838	9549893.142	44.973	E
992	556675.244	9549926.775	45.280	PONTO
993	556687.448	9549919.681	45.768	PONTO
994	556705.085	9549909.433	46.252	PONTO
995	556712.899	9549880.588	47.981	E
996	556696.180	9549824.797	49.066	E
997	556656.625	9549941.172	44.477	PONTO
998	556719.915	9549875.191	47.476	E
999	556626.036	9549994.873	41.075	E



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1000	556828.415	9549999.552	40.900	C
1001	556811.609	9549982.013	42.156	C
1002	556823.919	9549990.590	41.390	C
1003	556630.623	9549963.105	43.451	PONTO
1004	556642.356	9549953.172	43.922	PONTO
1005	556608.562	9549982.209	42.501	PONTO
1006	556617.408	9549974.507	42.758	PONTO
1007	556532.821	9549920.303	42.792	E
1008	556621.062	9549881.865	45.926	E
1009	556566.189	9549905.634	43.921	E
1010	556554.650	9549910.721	43.524	E
1011	556568.255	9549911.195	43.758	E
1012	556588.378	9549962.330	42.774	E
1013	556580.018	9549899.542	44.408	E
1014	556675.647	9549779.806	50.338	E
1015	556669.488	9549766.309	50.759	E
1016	556690.172	9549811.618	49.474	E
1017	556681.950	9549793.616	49.940	E
1018	556567.315	9550014.902	40.214	E
1019	556599.117	9549986.773	42.382	E
1020	556645.790	9549947.328	43.930	E
1021	556576.761	9550006.446	40.861	E
1022	556252.586	9547668.445	50.620	CANAL
1023	556252.785	9547668.039	50.701	CANAL
1024	556247.970	9547678.861	50.652	CANAL
1025	556248.139	9547678.453	50.669	CANAL
1026	556274.557	9547626.446	50.988	CANAL
1027	556291.380	9547617.850	50.918	MEIO FIO
1028	556260.597	9547653.262	50.803	CANAL
1029	556269.825	9547635.735	50.921	CANAL
1030	556263.800	9547678.858	50.536	RUA RAFAEL SANTOS
1031	556266.457	9547672.373	50.564	RUA RAFAEL SANTOS
1032	556261.071	9547679.289	50.510	RUA RAFAEL SANTOS
1033	556262.478	9547678.688	50.504	RUA RAFAEL SANTOS
1034	556263.960	9547670.757	50.543	RUA RAFAEL SANTOS
1035	556264.028	9547671.195	50.544	RUA RAFAEL SANTOS
1036	556264.716	9547672.100	50.471	RUA RAFAEL SANTOS
1037	556293.341	9547566.532	51.654	CANAL
1038	556293.448	9547566.921	51.619	CANAL
1039	556290.029	9547585.910	51.346	CANAL
1040	556307.556	9547567.266	51.589	RUA VENANCIO RAIMUNDO
1041	556307.116	9547558.176	51.534	RUA VENANCIO RAIMUNDO
1042	556304.528	9547568.697	51.459	RUA VENANCIO RAIMUNDO
1043	556305.401	9547567.187	51.524	RUA VENANCIO RAIMUNDO
1044	556300.539	9547589.988	51.143	MEIO FIO
1045	556297.897	9547600.653	51.016	MEIO FIO
1046	556294.047	9547612.328	50.932	MEIO FIO
1047	556301.152	9547586.798	51.151	MEIO FIO
1048	556286.822	9547599.050	51.237	CANAL
1049	556288.586	9547592.229	51.259	CANAL

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1050	556283.273	9547609.092	51.106	CANAL
1051	556284.653	9547606.179	51.123	CANAL
1052	556191.197	9547756.201	50.239	RUA ORISVALDO SALVIANO
1053	556190.325	9547757.087	50.248	RUA ORISVALDO SALVIANO
1054	556204.540	9547758.298	49.215	ALTURA
1055	556191.561	9547755.600	50.235	RUA ORISVALDO SALVIANO
1056	556185.324	9547765.483	50.160	RUA ORISVALDO SALVIANO
1057	556188.062	9547757.956	50.155	RUA ORISVALDO SALVIANO
1058	556189.224	9547757.641	50.179	RUA ORISVALDO SALVIANO
1059	556231.084	9547678.225	50.534	RUA RAFAEL SANTOS
1060	556230.905	9547679.355	50.547	RUA RAFAEL SANTOS
1061	556230.339	9547674.719	50.523	RUA RAFAEL SANTOS
1062	556230.854	9547676.171	50.505	RUA RAFAEL SANTOS
1063	556217.405	9547728.308	50.520	CANAL
1064	556208.984	9547721.942	50.377	MEIO FIO
1065	556230.112	9547703.645	50.548	CANAL
1066	556202.207	9547757.865	50.474	CANAL
1067	556220.852	9547771.474	50.374	RUA ORISVALDO SALVIANO
1068	556230.577	9547735.801	50.371	MEIO FIO
1069	556224.094	9547725.120	50.530	CANAL
1070	556206.236	9547758.955	50.460	CANAL
1071	556206.687	9547758.865	50.464	CANAL
1072	556258.470	9547681.771	50.621	RUA RAFAEL SANTOS
1073	556259.718	9547680.263	50.525	RUA RAFAEL SANTOS
1074	556233.289	9547707.389	50.534	CANAL
1075	556245.684	9547706.353	50.471	MEIO FIO
1076	556218.633	9547761.974	50.306	RUA ORISVALDO SALVIANO
1077	556219.205	9547763.132	50.245	RUA ORISVALDO SALVIANO
1078	556221.998	9547763.772	50.342	RUA ORISVALDO SALVIANO
1079	556219.244	9547757.664	50.378	RUA ORISVALDO SALVIANO
1080	556202.265	9547758.298	50.469	CANAL
1081	556218.477	9547761.057	50.334	RUA ORISVALDO SALVIANO
1082	556218.522	9547759.498	50.365	RUA ORISVALDO SALVIANO
1083	556247.603	9547405.568	51.620	CANAL
1084	556243.267	9547395.948	51.667	CANAL
1085	556250.952	9547389.190	51.608	RUA JOAO BATISTA
1086	556247.981	9547405.941	51.610	CANAL
1087	556222.145	9547350.128	51.910	CANAL
1088	556210.840	9547325.621	51.989	CANAL
1089	556242.065	9547369.909	51.762	MEIO FIO
1090	556232.168	9547371.816	51.796	CANAL
1091	556261.920	9547393.655	51.698	RUA JOAO BATISTA
1092	556255.803	9547389.003	51.710	RUA JOAO BATISTA
1093	556261.788	9547403.203	51.538	RUA JOAO BATISTA
1094	556263.594	9547396.274	51.776	RUA JOAO BATISTA
1095	556252.761	9547390.410	51.637	RUA JOAO BATISTA
1096	556253.983	9547390.587	51.642	RUA JOAO BATISTA
1097	556255.341	9547389.978	51.667	RUA JOAO BATISTA
1098	556203.687	9547312.182	51.988	CANAL
1099	556203.436	9547311.783	51.998	CANAL



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1100	556203.542	9547312.341	52.014	CANAL
1101	556195.530	9547289.954	52.230	RUA MANOEL CASTRO E SILVA
1102	556196.768	9547289.231	52.243	RUA MANOEL CASTRO E SILVA
1103	556188.525	9547298.227	52.153	CANAL
1104	556195.001	9547290.535	52.179	RUA MANOEL CASTRO E SILVA
1105	556224.378	9547326.222	51.972	RUA MARIA DE LOURDES
1106	556219.948	9547316.068	51.997	RUA MARIA DE LOURDES
1107	556210.682	9547325.221	51.950	CANAL
1108	556223.152	9547328.294	51.895	RUA MARIA DE LOURDES
1109	556215.005	9547310.652	52.156	MEIO FIO
1110	556212.540	9547307.434	52.039	MEIO FIO
1111	556218.906	9547315.406	51.964	RUA MARIA DE LOURDES
1112	556216.549	9547313.415	52.013	RUA MARIA DE LOURDES
1113	556283.791	9547491.980	51.613	CANAL
1114	556285.255	9547465.854	51.466	RUA MANOEL LUIZ
1115	556298.256	9547505.366	51.545	MEIO FIO
1116	556284.958	9547495.455	51.624	CANAL
1117	556285.864	9547462.616	51.446	RUA MANOEL LUIZ
1118	556285.187	9547463.634	51.497	RUA MANOEL LUIZ
1119	556285.053	9547465.032	51.456	RUA MANOEL LUIZ
1120	556294.324	9547553.391	51.655	CANAL
1121	556294.191	9547553.874	51.739	CANAL
1122	556305.622	9547557.674	51.522	RUA VENANCIO RAIMUNDO
1123	556304.272	9547555.015	51.507	RUA VENANCIO RAIMUNDO
1124	556302.581	9547520.672	51.560	MEIO FIO
1125	556293.807	9547490.874	51.558	MEIO FIO
1126	556293.287	9547523.889	51.622	CANAL
1127	556303.388	9547523.507	51.528	MEIO FIO
1128	556286.819	9547461.944	51.446	RUA MANOEL LUIZ
1129	556267.509	9547448.738	51.570	CANAL
1130	556266.181	9547422.112	51.671	MEIO FIO
1131	556272.752	9547460.817	51.591	CANAL
1132	556267.735	9547449.170	51.618	CANAL
1133	556258.643	9547403.847	51.496	RUA JOAO BATISTA
1134	556259.256	9547403.028	51.499	RUA JOAO BATISTA
1135	556255.002	9547421.581	51.580	CANAL
1136	556258.817	9547405.854	51.502	RUA JOAO BATISTA
1137	556282.496	9547454.005	51.391	RUA MANOEL LUIZ
1138	556284.357	9547454.271	51.441	RUA MANOEL LUIZ
1139	556287.943	9547461.781	51.427	RUA MANOEL LUIZ
1140	556280.134	9547452.306	51.403	RUA MANOEL LUIZ
1141	556273.109	9547461.274	51.609	CANAL
1142	556281.172	9547453.441	51.363	RUA MANOEL LUIZ
1143	556280.416	9547452.796	51.387	RUA MANOEL LUIZ
1144	556229.895	9547408.076	51.756	RUA JOAO BATISTA
1145	556224.807	9547400.129	51.838	RUA JOAO BATISTA
1146	556225.694	9547399.580	51.949	RUA JOAO BATISTA
1147	556234.801	9547410.219	51.648	RUA JOAO BATISTA
1148	556235.838	9547411.332	51.596	RUA JOAO BATISTA
1149	556231.483	9547408.576	51.733	RUA JOAO BATISTA

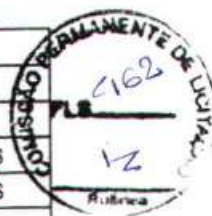


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1150	556233.100	9547409.233	51.709	RUA JOAO BATISTA
1151	556210.723	9547356.588	51.819	MEIO FIO
1152	556227.763	9547394.022	51.745	RUA JOAO BATISTA
1153	556192.237	9547320.983	52.065	RUA MARIA DE LOURDES
1154	556194.850	9547322.328	52.019	RUA MARIA DE LOURDES
1155	556227.370	9547397.510	51.815	RUA JOAO BATISTA
1156	556226.796	9547398.505	51.895	RUA JOAO BATISTA
1157	556227.981	9547395.407	51.767	RUA JOAO BATISTA
1158	556227.844	9547396.151	51.791	RUA JOAO BATISTA
1159	556257.128	9547457.213	51.436	RUA MANOEL LUIZ
1160	556262.245	9547471.211	51.392	MEIO FIO
1161	556254.720	9547456.708	51.509	RUA MANOEL LUIZ
1162	556256.535	9547457.008	51.432	RUA MANOEL LUIZ
1163	556277.340	9547487.149	51.518	CANAL
1164	556276.221	9547484.121	51.601	CANAL
1165	556267.487	9547487.090	51.558	MEIO FIO
1166	556267.837	9547480.595	51.628	CANAL
1167	556267.955	9547481.011	51.611	CANAL
1168	556264.666	9547449.974	51.563	CANAL
1169	556264.918	9547450.294	51.593	CANAL
1170	556251.467	9547448.701	51.551	RUA MANOEL LUIZ
1171	556251.140	9547448.853	51.561	RUA MANOEL LUIZ
1172	556252.366	9547448.711	51.526	RUA MANOEL LUIZ
1173	556252.141	9547447.699	51.560	RUA MANOEL LUIZ
1174	556140.244	9547219.344	52.738	RUA ANA CONRADO
1175	556139.439	9547219.192	52.730	RUA ANA CONRADO
1176	556141.471	9547218.566	52.723	RUA ANA CONRADO
1177	556141.078	9547219.043	52.734	RUA ANA CONRADO
1178	556138.739	9547226.080	52.677	RUA ANA CONRADO
1179	556139.112	9547226.543	52.610	RUA ANA CONRADO
1180	556137.718	9547225.512	52.636	RUA ANA CONRADO
1181	556138.295	9547225.746	52.623	RUA ANA CONRADO
1182	556149.644	9547178.974	53.268	RUA HONORATO SILVESTRE
1183	556148.647	9547178.717	53.304	RUA HONORATO SILVESTRE
1184	556151.391	9547171.273	53.241	RUA HONORATO SILVESTRE
1185	556151.132	9547180.917	53.243	RUA HONORATO SILVESTRE
1186	556145.796	9547202.054	52.987	MEIO FIO
1187	556150.406	9547179.629	53.283	RUA HONORATO SILVESTRE
1188	556151.096	9547180.454	53.288	RUA HONORATO SILVESTRE
1189	556177.769	9547306.659	52.099	RUA MARIA DE LOURDES
1190	556177.870	9547307.208	52.131	RUA MARIA DE LOURDES
1191	556146.922	9547278.216	52.309	RUA MANOEL CASTRO E SILVA
1192	556177.234	9547305.767	52.120	RUA MARIA DE LOURDES
1193	556176.956	9547308.829	52.120	RUA MARIA DE LOURDES
1194	556176.415	9547308.876	52.133	RUA MARIA DE LOURDES
1195	556177.797	9547307.666	52.114	RUA MARIA DE LOURDES
1196	556177.601	9547308.157	52.077	RUA MARIA DE LOURDES
1197	556135.762	9547247.223	52.586	MEIO FIO
1198	556135.694	9547250.084	52.545	MEIO FIO
1199	556139.339	9547227.082	52.582	RUA ANA CONRADO



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1200	556139.359	9547227.545	52.611	RUA ANA CONRADO
1201	556142.779	9547277.283	52.452	RUA MANOEL CASTRO E SILVA
1202	556138.823	9547269.634	52.425	RUA MANOEL CASTRO E SILVA
1203	556140.399	9547268.909	52.331	RUA MANOEL CASTRO E SILVA
1204	556281.469	9547499.504	51.632	CANAL
1205	556257.849	9547623.648	50.891	RUA
1206	556258.723	9547622.899	50.814	RUA VITAL PONTOEREIRA
1207	556266.736	9547607.131	50.905	MEIO FIO
1208	556251.176	9547630.845	50.745	RUA VITAL PONTOEREIRA
1209	556252.169	9547631.511	50.716	RUA VITAL PONTOEREIRA
1210	556256.160	9547623.694	50.841	RUA
1211	556254.737	9547623.539	50.956	RUA VITAL PONTOEREIRA
1212	556275.005	9547580.632	51.212	MEIO FIO
1213	556273.628	9547587.379	51.129	MEIO FIO
1214	556277.522	9547563.888	51.445	RUA VENANCIO RAIMUNDO
1215	556276.208	9547573.514	51.293	MEIO FIO
1216	556270.388	9547599.244	51.013	MEIO FIO
1217	556268.529	9547603.596	51.035	MEIO FIO
1218	556272.504	9547592.244	51.079	MEIO FIO
1219	556271.626	9547595.859	51.035	MEIO FIO
1220	556235.749	9547666.107	50.400	RUA RAFAEL SANTOS
1221	556234.220	9547666.839	50.448	RUA RAFAEL SANTOS
1222	556243.443	9547677.701	50.647	CANAL
1223	556236.680	9547665.565	50.429	RUA RAFAEL SANTOS
1224	556229.758	9547673.699	50.539	RUA RAFAEL SANTOS
1225	556228.962	9547673.245	50.653	RUA RAFAEL SANTOS
1226	556232.188	9547666.532	50.537	RUA RAFAEL SANTOS
1227	556265.732	9547634.068	50.917	CANAL
1228	556262.935	9547639.559	50.879	CANAL
1229	556253.347	9547633.458	50.740	RUA VITAL PONTOEREIRA
1230	556268.953	9547627.824	50.990	CANAL
1231	556248.381	9547667.151	50.617	CANAL
1232	556243.620	9547677.354	50.643	CANAL
1233	556261.248	9547642.755	50.863	CANAL
1234	556248.563	9547666.766	50.650	CANAL
1235	556280.237	9547605.190	51.104	CANAL
1236	556280.421	9547604.397	51.182	CANAL
1237	556287.290	9547518.836	51.645	CANAL
1238	556289.051	9547525.108	51.612	CANAL
1239	556283.461	9547595.050	51.259	CANAL
1240	556284.115	9547591.912	51.266	CANAL
1241	556281.429	9547601.378	51.206	CANAL
1242	556282.510	9547597.967	51.239	CANAL
1243	556275.285	9547513.066	51.953	RUA MARIA ALVES
1244	556284.572	9547509.473	51.586	CANAL
1245	556283.686	9547506.286	51.602	CANAL
1246	556277.199	9547518.669	51.471	RUA MARIA ALVES
1247	556278.566	9547524.135	51.606	MEIO FIO
1248	556273.320	9547513.814	51.739	RUA MARIA ALVES
1249	556275.192	9547518.311	51.579	RUA MARIA ALVES



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