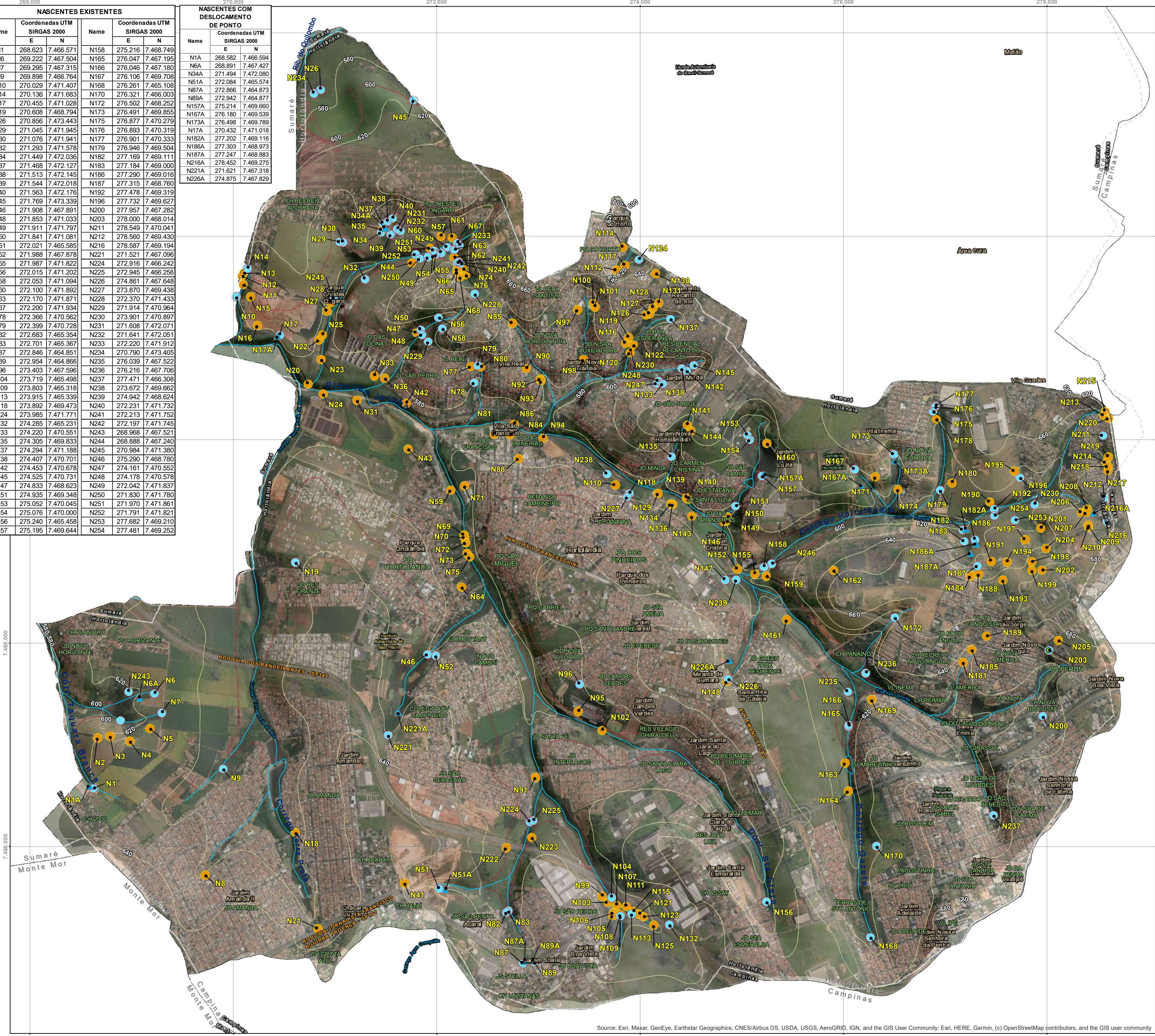


**ANEXO V: 037-AMB-DE.P-004-005 – MAPA DE NASCENTES FINAL**

NASCENTES DESCARACTERIZADAS					
Name	Coordenadas UTM SIRGAS 2000		Name	Coordenadas UTM SIRGAS 2000	
	E	N		E	N
N2	268.663	7.467.067	N108	273.801	7.465.331
N3	268.787	7.467.086	N110	273.754	7.469.556
N4	268.990	7.467.037	N111	273.859	7.465.411
N5	269.177	7.467.161	N112	273.766	7.471.668
N6	269.720	7.465.720	N114	273.826	7.471.991
N11	270.095	7.471.525	N115	273.929	7.465.360
N12	270.082	7.471.610	N116	273.852	7.470.947
N13	270.097	7.471.637	N117	273.846	7.471.715
N15	270.166	7.471.405	N119	273.885	7.471.007
N16	270.233	7.471.124	N120	273.898	7.470.854
N18	270.607	7.466.137	N121	273.985	7.465.336
N20	270.733	7.470.548	N122	273.928	7.470.932
N21	270.829	7.465.193	N123	274.028	7.465.309
N22	270.839	7.470.978	N125	274.131	7.465.226
N23	270.860	7.470.970	N126	274.052	7.471.227
N24	270.891	7.470.450	N127	274.091	7.471.237
N25	270.874	7.471.030	N128	274.124	7.471.296
N27	270.919	7.471.263	N129	274.172	7.469.474
N28	270.956	7.471.347	N130	274.149	7.471.634
N31	271.213	7.470.887	N131	274.179	7.471.345
N33	271.384	7.470.328	N134	274.298	7.469.368
N35	271.459	7.472.063	N136	274.316	7.469.366
N36	271.487	7.470.603	N139	274.450	7.469.428
N41	271.681	7.465.640	N140	274.468	7.469.416
N42	271.697	7.470.358	N141	274.480	7.470.144
N43	271.715	7.469.910	N143	274.505	7.469.249
N44	271.733	7.471.740	N144	274.496	7.470.088
N47	271.800	7.471.053	N146	274.823	7.469.197
N53	271.932	7.471.883	N148	274.849	7.467.623
N54	271.959	7.471.812	N149	274.846	7.469.201
N57	272.036	7.471.999	N150	274.853	7.469.242
N59	272.135	7.469.505	N152	274.954	7.468.727
N61	272.149	7.471.988	N155	275.127	7.468.679
N62	272.165	7.471.993	N159	275.237	7.468.660
N64	272.241	7.468.552	N160	275.243	7.469.965
N65	272.195	7.471.652	N161	275.438	7.468.230
N68	272.191	7.471.651	N162	275.989	7.468.117
N69	272.225	7.471.601	N163	276.012	7.468.822
N69	272.266	7.469.062	N164	276.044	7.466.545
N70	272.272	7.469.035	N169	276.272	7.467.445
N71	272.269	7.469.547	N171	276.309	7.469.635
N72	272.284	7.468.968	N174	276.531	7.469.512
N73	272.294	7.468.883	N178	276.908	7.470.206
N74	272.254	7.471.683	N180	277.064	7.469.576
N75	272.322	7.468.847	N181	277.172	7.467.812
N76	272.282	7.471.621	N184	277.242	7.468.659
N77	272.332	7.470.717	N185	277.259	7.467.936
N80	272.428	7.470.713	N188	277.324	7.468.680
N81	272.562	7.470.551	N189	277.402	7.468.069
N84	272.718	7.470.049	N190	277.434	7.468.387
N85	272.742	7.471.145	N191	277.449	7.468.804
N86	272.761	7.470.154	N193	277.562	7.468.621
N88	272.802	7.469.815	N194	277.604	7.468.797
N90	272.878	7.470.699	N195	277.677	7.469.690
N91	272.979	7.467.232	N197	277.781	7.469.016
N92	273.016	7.470.597	N198	277.846	7.468.800
N93	273.023	7.470.579	N199	277.848	7.468.715
N94	273.042	7.470.918	N201	277.935	7.469.129
N95	273.387	7.467.328	N202	277.946	7.468.719
N97	273.381	7.471.279	N204	277.988	7.468.930
N98	273.439	7.470.789	N205	278.108	7.468.028
N99	273.619	7.465.513	N206	278.335	7.469.283
N100	273.535	7.471.338	N207	278.383	7.469.286
N101	273.553	7.471.304	N208	278.390	7.469.319
N102	273.623	7.467.141	N209	278.400	7.469.159
N103	273.680	7.465.451	N210	278.405	7.469.141
N105	273.726	7.465.322	N213	278.555	7.470.239
N106	273.735	7.465.347	N214	278.577	7.469.773
N107	273.768	7.465.422	N215	278.565	7.470.278
N108	273.801	7.465.331	N217	278.597	7.469.698
N110	273.754	7.469.556	N218	278.598	7.469.736
N111	273.859	7.465.411	N219	278.602	7.469.831
N103	273.680	7.465.451	N220	278.604	7.470.210
N105	273.726	7.465.322	N222	278.681	7.465.988
N106	273.735	7.465.347	N223	272.931	7.466.090
N107	273.768	7.465.422			

NASCENTES EXISTENTES					
Name	Coordenadas UTM SIRGAS 2000		Name	Coordenadas UTM SIRGAS 2000	
	E	N		E	N
N1	268.623	7.466.571	N158	275.216	7.468.749
N6	269.222	7.467.504	N165	276.047	7.467.195
N7	269.295	7.467.315	N166	276.046	7.467.180
N9	269.898	7.466.764	N167	276.106	7.469.708
N10	270.029	7.471.407	N168	276.261	7.465.108
N14	270.136	7.471.683	N170	276.321	7.466.003
N17	270.455	7.471.028	N172	276.502	7.468.252
N19	270.608	7.468.794	N173	276.691	7.469.855
N26	270.856	7.473.443	N175	276.877	7.470.279
N29	271.045	7.471.945	N176	276.893	7.470.319
N30	271.076	7.471.941	N177	276.901	7.470.333
N32	271.293	7.471.578	N179	276.946	7.469.504
N34	271.449	7.472.036	N182	277.169	7.469.111
N37	271.468	7.472.127	N183	277.184	7.469.000
N38	271.513	7.472.145	N186	277.290	7.469.016
N39	271.544	7.472.018	N187	277.315	7.468.760
N40	271.563	7.472.176	N192	277.478	7.469.319
N45	271.769	7.473.339	N196	277.732	7.469.627
N46	271.908	7.467.891	N200	277.957	7.467.282
N48	271.853	7.471.033	N203	278.000	7.468.014
N49	271.911	7.471.797	N211	278.549	7.470.041
N50	271.841	7.471.081	N212	278.560	7.469.430
N51	272.021	7.465.585	N216	278.587	7.469.194
N52	271.988	7.467.878	N221	271.521	7.467.096
N55	271.987	7.471.822	N224	272.916	7.466.242
N56	272.015	7.471.202	N225	272.945	7.466.256
N58	272.053	7.471.094	N226	273.961	7.467.648
N60	272.100	7.471.992	N227	273.870	7.469.438
N63	272.170	7.471.871	N228	272.370	7.471.433
N67	272.200	7.471.934	N229	271.914	7.470.964
N78	272.368	7.470.562	N230	273.901	7.470.897
N79	272.399	7.470.728	N231	271.608	7.472.071
N82	272.683	7.465.354	N232	271.641	7.472.051
N83	272.701	7.465.367	N233	272.220	7.471.912
N87	272.846	7.464.851	N234	270.790	7.473.405
N89	272.954	7.464.866	N235	276.039	7.467.522
N96	273.403	7.467.596	N236	276.216	7.467.706
N104	273.719	7.465.498	N237	277.471	7.466.308
N109	273.803	7.465.318	N238	273.672	7.469.662
N113	273.915	7.465.339	N239	274.942	7.468.624
N118	273.892	7.469.473	N240	272.231	7.471.732
N124	273.985	7.471.771	N241	272.213	7.471.752
N132	274.285	7.465.231	N242	272.197	7.471.745
N133	274.220	7.470.551	N243	268.968	7.467.521
N135	274.305	7.469.833	N244	268.888	7.467.240
N137	274.294	7.471.188	N245	270.984	7.471.380
N138	274.407	7.470.701	N246	275.290	7.468.780
N142	274.453	7.470.678	N247	274.161	7.470.552
N145	274.525	7.470.731	N248	274.178	7.470.578
N147	274.833	7.468.623	N249	272.042	7.471.837
N151	274.935	7.469.348	N250	271.830	7.471.780
N153	275.052	7.470.045	N251	271.970	7.471.861
N154	275.076	7.470.000	N252	271.791	7.471.821
N156	275.240	7.465.458	N253	277.682	7.469.210
N157	275.195	7.469.644	N254	277.481	7.469.252

NASCENTES COM DESLOCAMENTO DE PONTO					
Name	Coordenadas UTM SIRGAS 2000		Name	Coordenadas UTM SIRGAS 2000	
	E	N		E	N
N1A	268.582	7.466.594	N173A	276.498	7.469.789
N6A	268.891	7.467.427	N182A	277.202	7.469.116
N34A	271.494	7.472.080	N186A	277.303	7.468.973
N51A	272.084	7.465.574	N187A	277.247	7.468.883
N87A	272.866	7.464.873	N216A	278.452	7.469.275
N89A	272.942	7.464.877	N221A	271.621	7.467.318
N157A	275.214	7.469.660	N226A	274.875	7.467.829
N167A	276.180	7.469.539			



**LEGENDA**

- Limite Municipal
- Nascentes Existentes
- Nascentes Descaracterizadas
- ▲ Nascentes Deslocadas
- Hidrografia
- Curva Intermediária
- Curva Mestra

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S

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m

Sistema de Coordenadas SIRGAS 2000  
Projeção UTM (Universal Transversa de Mercator)

**NOTAS**

1. Projeção: UTM SIRGAS 2000, Fuso 23, Sul (Fonte: PMH, IBGE, 2019).
2. Para Relatório Técnico, ver Documento nº. 037-AMB-RT-P-004-001.

EXECUTADO POR: <b>PLANOS ENGENHARIA</b>		OPERAÇÃO: <b>037-AMB</b>
DESENHO Nº: <b>037-AMB-DE-P-004-005</b>	ESCALA: <b>1:20.000</b>	TRABALHO: <b>DE-P-004</b>
PROJETO: <b>LUIZ SOAVE</b>	ASSUNTO: <b>PLANO DE ARBORIZAÇÃO URBANA E O INVENTÁRIO DAS NASCENTES EXISTENTES NO MUNICÍPIO DE HORTOLÂNDIA, NO ÂMBITO DO "PROGRAMA DE INFRAESTRUTURA URBANA E DESENVOLVIMENTO SUSTENTÁVEL", FINANCIADO PELA CAF</b>	DES- Nº: <b>005</b>
DESENHO: <b>IVI CAVALCANTE LEITE</b>		DATA: <b>08/2021</b>
VERIFICAÇÃO: <b>JULIO FERNANDO SCOTTINI</b> CREA: 1000070449-SP		REVISÃO: <b>0</b>
APROVAÇÃO: <b>ANA BEATRIZ LIMA</b> CREA: 5061849511-SP		
ART Nº: <b>ANA BEATRIZ LIMA</b> CREA: 5061849511-SP		
PRODUTO 4 MAPA DE NASCENTES 2		

REV. Nº	DATA	EMISSÃO INICIAL	NATUREZA DA REVISÃO	LUÍZ SOAVE	JULIO F. SCOTTINI	ANA BEATRIZ LIMA BINI	DOCUMENTO DE REFERÊNCIA
00	08/2021						