14.0 NOTAS DE SERVIÇOS E QUADROS DE VOLUMES

Rua Acésio do Rêgo Monteiro, nº 1515
Ed. Antonio Portela Barbosa
Bairro Ininga • CEP: 64052-860
Teresina • Piauí • Brasil

www.pi.gov.br
cidades@cidades.pi.gov.br

14.1 TRECHO I

Rua Acésio do Rêgo Monteiro, nº 1515
Ed. Antonio Portela Barbosa
Bairro Ininga • CEP: 64052-860
Teresina • Piauí • Brasil

www.pi.gov.br
cidades@cidades.pi.gov.br

Nota de Serviço Tabela

MUNICÍPIO DE LAGOA ALEGRE AO ENTRONC. PI-113 (CABEÇEIRAS - PI) 0+0.000 2223+15.000

Lado Esquerdo						Eixo				Lado Direito					
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-4.089	111.169	66.67	-4.000	111.109	-2.00	0+0.000	111.189	111.189	0.000	4.000	111.109	-2.00	4.142	111.204	66.67
-4.096	111.370	-150.00	-4.000	111.514	-2.00	1+0.000	111.594	111.373	0.221	4.000	111.514	-2.00	4.106	111.355	-150.00
-4.063	111.492	-150.00	-4.000	111.587	-2.00	2+0.000	111.667	111.453	0.214	4.000	111.587	-2.00	4.115	111.415	-150.00
-4.069	111.438	-150.00	-4.000	111.542	-2.00	3+0.000	111.622	111.404	0.218	4.000	111.542	-2.00	4.116	111.368	-150.00
-4.078	111.381	-150.00	-4.000	111.497	-2.00	4+0.000	111.577	111.333	0.244	4.000	111.497	-2.00	4.141	111.285	-150.00
-4.109	111.289	-150.00	-4.000	111.452	-2.00	5+0.000	111.532	111.240	0.292	4.000	111.452	-2.00	4.174	111.191	-150.00
-4.121	111.225	-150.00	-4.000	111.407	-2.00	6+0.000	111.487	111.185	0.302	4.000	111.407	-2.00	4.179	111.138	-150.00
-4.179	111.094	-150.00	-4.000	111.362	-2.00	7+0.000	111.442	111.087	0.355	4.000	111.362	-2.00	4.187	111.081	-150.00
-4.210	111.001	-150.00	-4.000	111.316	-2.00	8+0.000	111.396	110.987	0.410	4.000	111.316	-2.00	4.230	110.972	-150.00
-4.197	110.975	-150.00	-4.000	111.271	-2.00	9+0.000	111.351	110.958	0.394	4.000	111.271	-2.00	4.221	110.940	-150.00
-4.194	110.935	-150.00	-4.000	111.226	-2.00	10+0.000	111.306	110.913	0.393	4.000	111.226	-2.00	4.225	110.888	-150.00
-4.178	110.807	-150.00	-4.000	111.074	-2.00	11+0.000	111.154	110.779	0.375	4.000	111.074	-2.00	4.215	110.751	-150.00
-4.173	110.637	-150.00	-4.000	110.896	-2.00	12+0.000	110.976	110.609	0.367	4.000	110.896	-2.00	4.210	110.582	-150.00
-4.180	110.448	-150.00	-4.000	110.718	-2.00	13+0.000	110.798	110.421	0.377	4.000	110.718	-2.00	4.215	110.395	-150.00
-4.176	110.311	-150.00	-4.000	110.576	-2.00	14+0.000	110.656	110.268	0.387	4.000	110.576	-2.00	4.231	110.229	-150.00
-4.160	110.253	-150.00	-4.000	110.493	-2.00	15+0.000	110.573	110.208	0.365	4.000	110.493	-2.00	4.220	110.162	-150.00
-4.200	110.489	-150.00	-4.000	110.789	-2.00	16+0.000	110.869	110.485	0.385	4.000	110.789	-2.00	4.219	110.461	-150.00
-4.185	110.879	-150.00	-4.000	111.156	-2.00	17+0.000	111.236	110.813	0.423	4.000	111.156	-2.00	4.267	110.756	-150.00
-4.083	111.108	-150.00	-4.000	111.234	-2.00	18+0.000	111.314	111.028	0.285	4.000	111.234	-2.00	4.183	110.959	-150.00
-4.011	111.043	-150.00	-4.000	111.060	-2.00	19+0.000	111.140	111.029	0.111	4.000	111.060	-2.00	4.030	111.015	-150.00
-4.104	110.730	-150.00	-4.000	110.886	-2.00	20+0.000	110.966	110.761	0.204	4.000	110.886	-2.00	4.062	110.792	-150.00
-4.283	110.322	-150.00	-4.000	110.748	-2.00	21+0.000	110.828	110.374	0.453	4.000	110.748	-2.00	4.207	110.437	-150.00
-4.368	110.153	-150.00	-4.000	110.706	-2.00	22+0.000	110.786	110.148	0.638	4.000	110.706	-2.00	4.369	110.153	-150.00
-4.349	110.140	-150.00	-4.000	110.664	-2.00	23+0.000	110.744	110.135	0.609	4.000	110.664	-2.00	4.359	110.125	-150.00
-4.357	110.087	-150.00	-4.000	110.622	-2.00	24+0.000	110.702	110.059	0.643	4.000	110.622	-2.00	4.393	110.032	-150.00
-4.240	110.220	-150.00	-4.000	110.580	-2.00	25+0.000	110.660	110.178	0.482	4.000	110.580	-2.00	4.307	110.120	-150.00
-4.323	110.303	-150.00	-4.000	110.787	-2.00	26+0.000	110.867	110.223	0.644	4.000	110.787	-2.00	4.430	110.142	-150.00
-4.171	110.818	-150.00	-4.000	111.074	-2.00	27+0.000	111.154	110.664	0.491	4.000	111.074	-2.00	4.382	110.501	-150.00
-4.083	111.237	-150.00	-4.000	111.361	-2.00	28+0.000	111.441	111.028	0.413	4.000	111.361	-2.00	4.371	110.805	-150.00
-4.075	111.515	-150.00	-4.000	111.628	-2.00	29+0.000	111.708	111.305	0.403	4.000	111.628	-2.00	4.388	111.046	-150.00
-4.076	111.731	-150.00	-4.000	111.846	-2.00	30+0.000	111.926	111.493	0.432	4.000	111.846	-2.00	4.388	111.264	-150.00
-4.029	112.083	66.67	-4.000	112.064	-2.00	31+0.000	112.144	111.808	0.336	4.000	112.064	-2.00	4.369	111.510	-150.00
-4.042	112.261	-150.00	-4.000	112.324	-2.00	32+0.000	112.404	112.001	0.404	4.000	112.324	-2.00	4.338	111.818	-150.00
-4.153	112.259	-150.00	-4.000	112.489	-2.00	33+0.000	112.569	112.159	0.410	4.000	112.489	-2.00	4.289	112.056	-150.00
-4.148	112.280	-150.00	-4.000	112.502	-2.00	34+0.000	112.582	112.180	0.402	4.000	112.502	-2.00	4.286	112.074	-150.00
-4.206	112.163	-150.00	-4.000	112.473	-2.00	35+0.000	112.553	112.059	0.494	4.000	112.473	-2.00	4.345	111.955	-150.00
-4.313	111.970	-150.00	-4.000	112.439	-2.00	36+0.000	112.519	111.884	0.635	4.000	112.439	-2.00	4.416	111.815	-150.00
-4.221	112.075	-150.00	-4.000	112.406	-2.00	37+0.000	112.486	112.008	0.478	4.000	112.406	-2.00	4.311	111.940	-150.00
-4.194	112.238	-150.00	-4.000	112.528	-2.00	38+0.000	112.608	112.206	0.402	4.000	112.528	-2.00	4.234	112.177	-150.00
-4.196	112.589	-150.00	-4.000	112.883	-2.00	39+0.000	112.963	112.571	0.392	4.000	112.883	-2.00	4.221	112.552	-150.00
-4.210	112.441	-150.00	-4.000	112.755	-2.00	40+0.000	112.835	112.438	0.398	4.000	112.755	-2.00	4.189	112.472	-150.00
-4.126	112.152	-150.00	-4.000	112.341	-2.00	41+0.000	112.421	112.189	0.231	4.000	112.341	-2.00	4.077	112.226	-150.00
-4.114	111.663	-150.00	-4.000	111.834	-2.00	42+0.000	111.914	111.684	0.230	4.000	111.834	-2.00	4.080	111.714	-150.00
-4.146	111.110	-150.00	-4.000	111.328	-2.00	43+0.000	111.408	111.150	0.258	4.000	111.328	-2.00	4.092	111.190	-150.00
-4.151	110.596	-150.00	-4.000	110.822	-2.00	44+0.000	110.902	110.631	0.271	4.000	110.822	-2.00	4.100	110.671	-150.00
-4.124	110.129	-150.00	-4.000	110.315	-2.00	45+0.000	110.395	110.146	0.249	4.000	110.315	-2.00	4.134	110.114	-150.00
-4.173	109.917	-150.00	-4.000	110.178	-2.00	46+0.000	110.258	109.870	0.388	4.000	110.178	-2.00	4.211	109.862	-150.00
-4.182	110.397	-150.00	-4.000	110.670	-2.00	47+0.000	110.750	110.348	0.402	4.000	110.670	-2.00	4.248	110.298	-150.00
-4.186	110.910	-150.00	-4.000	111.189	-2.00	48+0.000	111.269	110.850	0.419	4.000	111.189	-2.00	4.255	110.806	-150.00
-4.159	111.525	-150.00	-4.000	111.763	-2.00	49+0.000	111.843	111.462	0.381	4.000	111.763	-2.00	4.243	111.398	-150.00
-4.206	111.955	-150.00	-4.000	112.265	-2.00	50+0.000	112.345	111.937	0.408	4.000	112.265	-2.00	4.270	111.859	-150.00
-4.206	111.976	-150.00	-4.000	112.286	-2.00	51+0.000	112.366	111.913	0.453	4.000	112.286	-2.00	4.291	111.849	-150.00
-4.157	112.020	-150.00	-4.000	112.255	-2.00	52+0.000	112.335	111.942	0.393	4.000	112.255	-2.00	4.260	111.865	-150.00
-4.219	111.619	-150.00	-4.000	111.947	-2.00	53+0.000	112.027	111.538	0.488	4.000	111.947	-2.00	4.327	111.456	-150.00
-4.191	111.158	-150.00	-4.000	111.445	-2.00	54+0.000	111.525	111.082	0.443	4.000	111.445	-2.00	4.294	111.004	-150.00
-4.176	110.682	-150.00	-4.000	110.947	-2.00	55+0.000	111.027	110.612	0.415	4.000	110.947	-2.00	4.248	110.574	-150.00
-4.159	110.390	-150.00	-4.000	110.628	-2.00	56+0.000	110.708	110.325	0.383	4.000	110.628	-2.00	4.247	110.258	-150.00
-4.143	110.347	-150.00	-4.000	110.561	-2.00	57+0.000	110.641	110.288	0.353	4.000	110.561	-2.00	4.222	110.228	-150.00
-4.134	110.544	-150.00	-4.000	110.746	-2.00	58+0.000	110.826	110.517	0.309	4.000	110.746	-2.00	4.185	110.468	-150.00
-4.139	110.973	-150.00	-4.000	111.181	-2.00	59+0.000	111.261	110.954	0.306	4.000	111.181	-2.00	4.178	110.914	-150.00
-4.218	111.390	-150.00	-4.000	111.716	-2.00	60+0.000	111.796	111.389	0.408	4.000	111.716	-2.00	4.218	111.389	-150.00
-4.223	111.909	-150.00	-4.000	112.243	-2.00	61+0.000	112.323	111.910	0.413	4.000	112.243	-2.00	4.221	111.912	-150.00
-4.243	112.336	-150.00	-4.000	112.700	-2.00	62+0.000	112.780	112.364	0.415	4.000	112.700	-2.00	4.205	112.392	-150.00
-4.242	112.628	-150.00	-4.000	112.990	-2.00	63+0.000	113.070	112.656	0.414	4.000	112.990	-2.00	4.204	112.684	-150.00
-4.245	112.700	-150.00	-4.000	113.068	-2.00	64+0.000	113.148	112.768	0.380	4.000	113.068	-2.00	4.156	112.835	-150.00
-4.208	112.683	-150.00	-4.000	112.995	-2.00	65+0.000	113.075	112.750	0.326	4.000	112.995	-2.00	4.135	112.793	-150.00
-4.222	112.589	-150.00	-4.000	112.922	-2.00	66+0.000	113.002	112.645	0.357	4.000	112.922	-2.00	4.155	112.690	-150.00
-4.260	112.452	-150.00	-4.000	112.842	-2.00	67+0.000	112.922	112.537	0.385	4.000	112.842	-2.00	4.173	112.582	-150.00
-4.252	112.312	-150.00	-4.000	112.690	-2.00	68+0.000	112.770	112.373	0.397	4.000	112.690	-2.00	4.171	112.433	-150.00
-4.250	112.165	-150.00	-4.000	112.540	-2.00	69+0.000	112.620	112.230	0.390	4.000	112.540	-2.00	4.164	112.293	-150.00
-4.263	112.057	-150.00	-4.000	112.451	-2.00	70+0.000	112.531	112.131	0.400	4.000	112.451	-2.00	4.153	112.222	-150.00
-4.262	111.970	-150.00	-4.000	112.363	-2.00	71+0.000	112.443	112.062	0.380	4.000	112.363	-2.00	4.140	112.152	-150.00
-4.246	111.905	-150.00	-4.000	112.274	-2.00	72+0.000	112.354	111.990	0.364	4.000	112.274	-2.00	4.134	112.073	-150.00
-4.326	111.798	-150.00	-4.000	112.286	-2.00	73+0.000	112.366	111.929	0.437	4.000	112.286	-2.00	4.154	112.055	-150.00

Osvaldo Leôncio da Silva
Diretor da Unidade de Projetos
Projetos e Obras
Secretaria

-4.309	111.923	-150.00	-4.000	112.387	-2.00	74+0.000	112.467	112.034	0.434	4.000	112.387	-2.00	4.164	112.141	-150.00
-4.279	112.112	-150.00	-4.000	112.530	-2.00	75+0.000	112.610	112.223	0.387	4.000	112.530	-2.00	4.116	112.357	-150.00
-4.260	112.629	-150.00	-4.000	113.019	-2.00	76+0.000	113.099	112.711	0.388	4.000	113.019	-2.00	4.143	112.805	-150.00
-4.231	113.191	-150.00	-4.000	113.538	-2.00	77+0.000	113.618	113.271	0.346	4.000	113.538	-2.00	4.121	113.357	-150.00
-4.203	113.752	-150.00	-4.000	114.056	-2.00	78+0.000	114.136	113.816	0.320	4.000	114.056	-2.00	4.118	113.879	-150.00
-4.258	114.187	-150.00	-4.000	114.574	-2.00	79+0.000	114.654	114.248	0.406	4.000	114.574	-2.00	4.177	114.308	-150.00
-4.259	114.445	-150.00	-4.000	114.833	-2.00	80+0.000	114.913	114.493	0.420	4.000	114.833	-2.00	4.179	114.564	-150.00
-4.216	114.531	-150.00	-4.000	114.856	-2.00	81+0.000	114.936	114.602	0.334	4.000	114.856	-2.00	4.124	114.670	-150.00
-4.216	114.411	-150.00	-4.000	114.736	-2.00	82+0.000	114.816	114.476	0.339	4.000	114.736	-2.00	4.130	114.540	-150.00
-4.283	114.050	-150.00	-4.000	114.474	-2.00	83+0.000	114.554	114.131	0.423	4.000	114.474	-2.00	4.179	114.206	-150.00
-4.263	113.676	-150.00	-4.000	114.070	-2.00	84+0.000	114.150	113.754	0.397	4.000	114.070	-2.00	4.161	113.829	-150.00
-4.242	113.169	-150.00	-4.000	113.531	-2.00	85+0.000	113.611	113.194	0.417	4.000	113.531	-2.00	4.167	113.280	-150.00
-4.245	112.696	-150.00	-4.000	113.063	-2.00	86+0.000	113.143	112.742	0.402	4.000	113.063	-2.00	4.176	112.799	-150.00
-4.237	112.296	-150.00	-4.000	112.651	-2.00	87+0.000	112.731	112.303	0.429	4.000	112.651	-2.00	4.211	112.335	-150.00
-4.207	111.984	-150.00	-4.000	112.294	-2.00	88+0.000	112.374	112.026	0.348	4.000	112.294	-2.00	4.151	112.068	-150.00
-4.156	111.726	-150.00	-4.000	111.961	-2.00	89+0.000	112.041	111.793	0.248	4.000	111.961	-2.00	4.084	111.834	-150.00
-4.187	111.347	-150.00	-4.000	111.627	-2.00	90+0.000	111.707	111.412	0.296	4.000	111.627	-2.00	4.101	111.475	-150.00
-4.235	110.942	-150.00	-4.000	111.294	-2.00	91+0.000	111.374	111.005	0.370	4.000	111.294	-2.00	4.150	111.069	-150.00
-4.241	110.600	-150.00	-4.000	110.961	-2.00	92+0.000	111.041	110.655	0.386	4.000	110.961	-2.00	4.145	110.743	-150.00
-4.237	110.273	-150.00	-4.000	110.628	-2.00	93+0.000	110.708	110.361	0.347	4.000	110.628	-2.00	4.121	110.446	-150.00
-4.219	110.126	-150.00	-4.000	110.455	-2.00	94+0.000	110.535	110.133	0.401	4.000	110.455	-2.00	4.208	110.143	-150.00
-4.279	110.190	-150.00	-4.000	110.609	-2.00	95+0.000	110.689	110.274	0.415	4.000	110.609	-2.00	4.168	110.356	-150.00
-4.283	110.365	-150.00	-4.000	110.789	-2.00	96+0.000	110.869	110.426	0.443	4.000	110.789	-2.00	4.203	110.486	-150.00
-4.247	110.600	-150.00	-4.000	110.970	-2.00	97+0.000	111.050	110.683	0.367	4.000	110.970	-2.00	4.137	110.764	-150.00
-4.219	110.822	-150.00	-4.000	111.151	-2.00	98+0.000	111.231	110.930	0.301	4.000	111.151	-2.00	4.078	111.033	-150.00
-4.216	110.985	-150.00	-4.000	111.309	-2.00	99+0.000	111.389	111.055	0.334	4.000	111.309	-2.00	4.123	111.124	-150.00
-4.261	110.925	-150.00	-4.000	111.316	-2.00	100+0.000	111.396	111.023	0.373	4.000	111.316	-2.00	4.132	111.119	-150.00
-4.229	110.805	-150.00	-4.000	111.149	-2.00	101+0.000	111.229	110.900	0.329	4.000	111.149	-2.00	4.107	110.989	-150.00
-4.224	110.473	-150.00	-4.000	110.809	-2.00	102+0.000	110.889	110.575	0.315	4.000	110.809	-2.00	4.091	110.673	-150.00
-4.213	110.009	-150.00	-4.000	110.328	-2.00	103+0.000	110.408	110.111	0.297	4.000	110.328	-2.00	4.083	110.203	-150.00
-4.240	109.473	-150.00	-4.000	109.833	-2.00	104+0.000	109.913	109.566	0.347	4.000	109.833	-2.00	4.121	109.651	-150.00
-4.283	108.916	-150.00	-4.000	109.341	-2.00	105+0.000	109.421	109.011	0.410	4.000	109.341	-2.00	4.159	109.103	-150.00
-4.288	108.458	-150.00	-4.000	108.890	-2.00	106+0.000	108.970	108.545	0.425	4.000	108.890	-2.00	4.167	108.640	-150.00
-4.269	108.085	-150.00	-4.000	108.489	-2.00	107+0.000	108.569	108.169	0.400	4.000	108.489	-2.00	4.159	108.251	-150.00
-4.224	107.801	-150.00	-4.000	108.137	-2.00	108+0.000	108.217	107.873	0.345	4.000	108.137	-2.00	4.128	107.945	-150.00
-4.169	107.583	-150.00	-4.000	107.836	-2.00	109+0.000	107.916	107.636	0.280	4.000	107.836	-2.00	4.099	107.688	-150.00
-4.148	107.364	-150.00	-4.000	107.585	-2.00	110+0.000	107.665	107.407	0.258	4.000	107.585	-2.00	4.091	107.448	-150.00
-4.150	107.159	-150.00	-4.000	107.384	-2.00	111+0.000	107.464	107.195	0.268	4.000	107.384	-2.00	4.102	107.231	-150.00
-4.141	107.021	-150.00	-4.000	107.233	-2.00	112+0.000	107.313	107.057	0.255	4.000	107.233	-2.00	4.103	107.079	-150.00
-4.126	106.927	-150.00	-4.000	107.116	-2.00	113+0.000	107.196	106.933	0.264	4.000	107.116	-2.00	4.119	106.938	-150.00
-4.112	106.833	-150.00	-4.000	107.001	-2.00	114+0.000	107.081	106.838	0.243	4.000	107.001	-2.00	4.105	106.844	-150.00
-4.096	106.743	-150.00	-4.000	106.886	-2.00	115+0.000	106.966	106.696	0.270	4.000	106.886	-2.00	4.159	106.647	-150.00
-4.095	106.628	-150.00	-4.000	106.771	-2.00	116+0.000	106.851	106.582	0.270	4.000	106.771	-2.00	4.159	106.533	-150.00
-4.074	106.545	-150.00	-4.000	106.656	-2.00	117+0.000	106.736	106.428	0.308	4.000	106.656	-2.00	4.223	106.322	-150.00
-4.100	106.391	-150.00	-4.000	106.541	-2.00	118+0.000	106.621	106.270	0.351	4.000	106.541	-2.00	4.252	106.164	-150.00
-4.105	106.276	-150.00	-4.000	106.434	-2.00	119+0.000	106.514	106.133	0.381	4.000	106.434	-2.00	4.298	105.986	-150.00
-4.075	106.221	-150.00	-4.000	106.333	-2.00	120+0.000	106.413	106.078	0.334	4.000	106.333	-2.00	4.269	105.929	-150.00
-4.111	106.052	-150.00	-4.000	106.219	-2.00	121+0.000	106.299	105.921	0.377	4.000	106.219	-2.00	4.266	105.820	-150.00
-4.047	105.958	-150.00	-4.000	106.029	-2.00	122+0.000	106.109	105.856	0.253	4.000	106.029	-2.00	4.185	105.752	-150.00
-4.052	105.762	-150.00	-4.000	105.840	-2.00	123+0.000	105.920	105.691	0.229	4.000	105.840	-2.00	4.168	105.587	-150.00
-4.144	105.434	-150.00	-4.000	105.650	-2.00	124+0.000	105.730	105.409	0.321	4.000	105.650	-2.00	4.178	105.383	-150.00
-4.189	105.164	-150.00	-4.000	105.448	-2.00	125+0.000	105.528	105.142	0.387	4.000	105.448	-2.00	4.221	105.116	-150.00
-4.249	104.731	-150.00	-4.000	105.104	-2.00	126+0.000	105.184	104.769	0.416	4.000	105.104	-2.00	4.199	104.805	-150.00
-4.229	104.432	-150.00	-4.000	104.775	-2.00	127+0.000	104.855	104.469	0.385	4.000	104.775	-2.00	4.179	104.507	-150.00
-4.231	104.227	-150.00	-4.000	104.574	-2.00	128+0.000	104.654	104.258	0.396	4.000	104.574	-2.00	4.190	104.288	-150.00
-4.238	104.098	-150.00	-4.000	104.454	-2.00	129+0.000	104.534	104.129	0.406	4.000	104.454	-2.00	4.197	104.160	-150.00
-4.172	104.267	-150.00	-4.000	104.525	-2.00	130+0.000	104.605	104.241	0.363	4.000	104.525	-2.00	4.222	104.191	-150.00
-4.175	104.475	-150.00	-4.000	104.738	-2.00	131+0.000	104.818	104.425	0.392	4.000	104.738	-2.00	4.241	104.376	-150.00
-4.206	104.603	-150.00	-4.000	104.912	-2.00	132+0.000	104.992	104.568	0.424	4.000	104.912	-2.00	4.246	104.543	-150.00
-4.180	104.702	-150.00	-4.000	104.972	-2.00	133+0.000	105.052	104.689	0.363	4.000	104.972	-2.00	4.198	104.676	-150.00
-4.158	104.678	-150.00	-4.000	104.915	-2.00	134+0.000	104.995	104.637	0.358	4.000	104.915	-2.00	4.214	104.594	-150.00
-4.226	104.401	-150.00	-4.000	104.741	-2.00	135+0.000	104.821	104.384	0.436	4.000	104.741	-2.00	4.249	104.368	-150.00
-4.203	104.181	-150.00	-4.000	104.486	-2.00	136+0.000	104.566	104.167	0.399	4.000	104.486	-2.00	4.222	104.152	-150.00
-4.189	103.995	-150.00	-4.000	104.278	-2.00	137+0.000	104.358	104.027	0.331	4.000	104.278	-2.00	4.146	104.059	-150.00
-4.161	103.887	-150.00	-4.000	104.129	-2.00	138+0.000	104.209	103.849	0.360	4.000	104.129	-2.00	4.177	103.863	-150.00
-4.110	103.874	-150.00	-4.000	104.039	-2.00	139+0.000	104.119	103.848	0.271	4.000	104.039	-2.00	4.144	103.823	-150.00
-4.087	103.878	-150.00	-4.000	104.008	-2.00	140+0.000	104.088	103.844	0.245	4.000	104.008	-2.00	4.126	103.819	-150.00
-4.062	103.942	-150.00	-4.000	104.035	-2.00	141+0.000	104.115	103.901	0.214	4.000	104.035	-2.00	4.117	103.859	-150.00
-4.065	103.981	-150.00	-4.000	104.078	-2.00	142+0.000	104.158	103.939	0.218	4.000	104.078	-2.00	4.120	103.897	-150.00
-4.070	104.016	-150.00	-4.000	104.121	-2.00	143+0.000	104.201	103.975	0.226	4.000	104.121	-2.00	4.125	103.933	-150.00
-4.067	104.063	-150.00	-4.000	104.164	-2.00	144+0.000	104.244	104.042	0.202	4.000	104.164	-2.00	4.095	104.021	-150.00
-4.123	104.022	-150.00	-4.000	104.207	-2.00	145+0.000	104.287	103.992	0.295	4.000	104.207	-2.00	4.163	103.962	-150.00
-4.191	103.964	-150.00	-4.000	104.250	-2.00	146+0.000	104.330	103.943	0.387	4.000	104.250	-2.00	4.218	103.922	-150.00
-4.201	103.991	-150.00	-4.000	104.293	-2.00	147+0.000	104.373	103.956	0.417	4.000	104.293	-2.00	4.249	103.920	-150.00
-4.259	103.995	-150.00	-4.000	104.384	-2.00	148+0.000	104.464	103.993	0.471	4.000	104.384	-2.00	4.262	103.990	-150.00
-4.240	104.203	-150.00	-4.000	104.563	-2.00	149+0.000	104.643	104.180	0.464	4.000	104.563	-2.00	4.271	104.156	-150.00
-4.255	104.450	-150.00	-4.000	104.832	-2.00	150+0.000	104.912	104.429	0.482	4.000	104.832	-2.00	4.270	104.427	-150.00
-4.235	104.835	-150.00	-4.000	105.189	-2.00	151+0.000	105.269	104.808	0.460	4.000	105.189	-2.00	4.272	104.781	-150.00
-4.188	105.303	-150.00	-4.000	105.585	-2.00	152+0.000	105.665	105.276	0.389	4.000	105.585	-2.00	4.224	105.250	-150.00
-4.206	105.664	-150.00	-4.000	105.972	-2.00	153+0.000	106.052	105.653	0.399	4.000	105.972	-2.00	4.222	105.640	-150.00
-4.200	105.883	-150.00	-4.000	106.182	-2.00	154+0.000	106.262	105.872	0.390	4.000	106.182	-2.00	4.214	105.862	-150.00

Osvaldo Leôncio da Silva Filho
Diretor da Diretoria de Projetos
Projetos Rodoviários - DNIT/SC
Secretaria de Infraestrutura

-4.172	105.892	-150.00	-4.000	106.150	-2.00	155+0.000	106.230	105.827	0.403	4.000	106.150	-2.00	4.263	105.756	-150.00
-4.260	105.490	-150.00	-4.000	105.881	-2.00	156+0.000	105.961	105.424	0.536	4.000	105.881	-2.00	4.349	105.357	-150.00
-4.192	105.244	-150.00	-4.000	105.532	-2.00	157+0.000	105.612	105.152	0.460	4.000	105.532	-2.00	4.321	105.050	-150.00
-4.217	104.870	-150.00	-4.000	105.196	-2.00	158+0.000	105.276	104.786	0.490	4.000	105.196	-2.00	4.331	104.700	-150.00
-4.155	104.833	-150.00	-4.000	105.066	-2.00	159+0.000	105.146	104.755	0.391	4.000	105.066	-2.00	4.257	104.681	-150.00
-4.152	104.930	-150.00	-4.000	105.157	-2.00	160+0.000	105.237	104.846	0.391	4.000	105.157	-2.00	4.272	104.749	-150.00
-4.157	105.039	-150.00	-4.000	105.274	-2.00	161+0.000	105.354	104.959	0.395	4.000	105.274	-2.00	4.254	104.894	-150.00
-4.177	105.458	-150.00	-4.000	105.723	-2.00	162+0.000	105.803	105.403	0.400	4.000	105.723	-2.00	4.245	105.356	-150.00
-4.183	105.973	-150.00	-4.000	106.247	-2.00	163+0.000	106.327	105.916	0.411	4.000	106.247	-2.00	4.252	105.869	-150.00
-4.184	106.158	-150.00	-4.000	106.434	-2.00	164+0.000	106.514	106.152	0.362	4.000	106.434	-2.00	4.191	106.147	-150.00
-4.180	106.078	-150.00	-4.000	106.348	-2.00	165+0.000	106.428	106.072	0.356	4.000	106.348	-2.00	4.188	106.065	-150.00
-4.197	105.821	-150.00	-4.000	106.116	-2.00	166+0.000	106.196	105.806	0.390	4.000	106.116	-2.00	4.191	105.830	-150.00
-4.189	105.432	-150.00	-4.000	105.714	-2.00	167+0.000	105.794	105.417	0.378	4.000	105.714	-2.00	4.185	105.436	-150.00
-4.205	105.063	-150.00	-4.000	105.370	-2.00	168+0.000	105.450	105.072	0.378	4.000	105.370	-2.00	4.188	105.088	-150.00
-4.207	104.884	-150.00	-4.000	105.194	-2.00	169+0.000	105.274	104.898	0.376	4.000	105.194	-2.00	4.187	104.914	-150.00
-4.195	104.772	-150.00	-4.000	105.064	-2.00	170+0.000	105.144	104.751	0.393	4.000	105.064	-2.00	4.205	104.757	-150.00
-4.226	104.867	-150.00	-4.000	105.206	-2.00	171+0.000	105.286	104.873	0.413	4.000	105.206	-2.00	4.218	104.878	-150.00
-4.212	105.046	-150.00	-4.000	105.364	-2.00	172+0.000	105.444	105.042	0.402	4.000	105.364	-2.00	4.211	105.047	-150.00
-4.216	105.292	-150.00	-4.000	105.617	-2.00	173+0.000	105.697	105.293	0.404	4.000	105.617	-2.00	4.217	105.292	-150.00
-4.224	105.544	-150.00	-4.000	105.881	-2.00	174+0.000	105.961	105.551	0.409	4.000	105.881	-2.00	4.220	105.551	-150.00
-4.211	105.691	-150.00	-4.000	106.007	-2.00	175+0.000	106.087	105.669	0.418	4.000	106.007	-2.00	4.240	105.648	-150.00
-4.208	105.777	-150.00	-4.000	106.088	-2.00	176+0.000	106.168	105.756	0.413	4.000	106.088	-2.00	4.236	105.734	-150.00
-4.189	105.837	-150.00	-4.000	106.121	-2.00	177+0.000	106.201	105.801	0.400	4.000	106.121	-2.00	4.238	105.765	-150.00
-4.201	105.797	-150.00	-4.000	106.098	-2.00	178+0.000	106.178	105.761	0.417	4.000	106.098	-2.00	4.249	105.724	-150.00
-4.190	105.789	-150.00	-4.000	106.074	-2.00	179+0.000	106.154	105.756	0.398	4.000	106.074	-2.00	4.240	105.715	-150.00
-4.176	105.786	-150.00	-4.000	106.051	-2.00	180+0.000	106.131	105.745	0.385	4.000	106.051	-2.00	4.231	105.704	-150.00
-4.178	105.842	-150.00	-4.000	106.109	-2.00	181+0.000	106.189	105.782	0.407	4.000	106.109	-2.00	4.259	105.720	-150.00
-4.126	106.033	-150.00	-4.000	106.223	-2.00	182+0.000	106.303	105.966	0.337	4.000	106.223	-2.00	4.217	105.897	-150.00
-4.155	106.103	-150.00	-4.000	106.337	-2.00	183+0.000	106.417	106.057	0.360	4.000	106.337	-2.00	4.218	106.009	-150.00
-4.115	106.081	-150.00	-4.000	106.253	-2.00	184+0.000	106.333	106.006	0.327	4.000	106.253	-2.00	4.215	105.930	-150.00
-4.110	105.880	-150.00	-4.000	106.045	-2.00	185+0.000	106.125	105.787	0.338	4.000	106.045	-2.00	4.235	105.692	-150.00
-4.138	105.629	-150.00	-4.000	105.837	-2.00	186+0.000	105.917	105.538	0.378	4.000	105.837	-2.00	4.261	105.445	-150.00
-4.153	105.399	-150.00	-4.000	105.628	-2.00	187+0.000	105.708	105.290	0.419	4.000	105.628	-2.00	4.296	105.184	-150.00
-4.155	105.227	-150.00	-4.000	105.459	-2.00	188+0.000	105.539	105.159	0.381	4.000	105.459	-2.00	4.222	105.126	-150.00
-4.095	105.371	-150.00	-4.000	105.513	-2.00	189+0.000	105.593	105.341	0.252	4.000	105.513	-2.00	4.136	105.309	-150.00
-4.094	105.426	-150.00	-4.000	105.567	-2.00	190+0.000	105.647	105.395	0.252	4.000	105.567	-2.00	4.127	105.376	-150.00
-4.135	105.418	-150.00	-4.000	105.620	-2.00	191+0.000	105.700	105.417	0.283	4.000	105.620	-2.00	4.139	105.412	-150.00
-4.178	105.406	-150.00	-4.000	105.674	-2.00	192+0.000	105.754	105.411	0.342	4.000	105.674	-2.00	4.172	105.416	-150.00
-4.217	105.390	-150.00	-4.000	105.716	-2.00	193+0.000	105.796	105.404	0.392	4.000	105.716	-2.00	4.199	105.418	-150.00
-4.217	105.278	-150.00	-4.000	105.603	-2.00	194+0.000	105.683	105.296	0.386	4.000	105.603	-2.00	4.192	105.314	-150.00
-4.215	105.149	-150.00	-4.000	105.472	-2.00	195+0.000	105.552	105.152	0.401	4.000	105.472	-2.00	4.212	105.154	-150.00
-4.221	105.011	-150.00	-4.000	105.342	-2.00	196+0.000	105.422	105.002	0.420	4.000	105.342	-2.00	4.233	104.992	-150.00
-4.219	104.884	-150.00	-4.000	105.212	-2.00	197+0.000	105.292	104.882	0.410	4.000	105.212	-2.00	4.221	104.881	-150.00
-4.199	104.783	-150.00	-4.000	105.082	-2.00	198+0.000	105.162	104.775	0.387	4.000	105.082	-2.00	4.210	104.766	-150.00
-4.182	104.678	-150.00	-4.000	104.951	-2.00	199+0.000	105.031	104.669	0.362	4.000	104.951	-2.00	4.194	104.660	-150.00
-4.190	104.536	-150.00	-4.000	104.821	-2.00	200+0.000	104.901	104.512	0.389	4.000	104.821	-2.00	4.222	104.488	-150.00
-4.168	104.409	-150.00	-4.000	104.662	-2.00	201+0.000	104.742	104.385	0.356	4.000	104.662	-2.00	4.200	104.362	-150.00
-4.125	104.190	-150.00	-4.000	104.378	-2.00	202+0.000	104.458	104.076	0.382	4.000	104.378	-2.00	4.280	103.958	-150.00
-4.139	103.885	-150.00	-4.000	104.093	-2.00	203+0.000	104.173	103.770	0.403	4.000	104.093	-2.00	4.294	103.652	-150.00
-4.127	103.619	-150.00	-4.000	103.809	-2.00	204+0.000	103.889	103.482	0.407	4.000	103.809	-2.00	4.304	103.353	-150.00
-4.122	103.452	-150.00	-4.000	103.635	-2.00	205+0.000	103.715	103.316	0.400	4.000	103.635	-2.00	4.308	103.173	-150.00
-4.123	103.346	-150.00	-4.000	103.531	-2.00	206+0.000	103.611	103.218	0.393	4.000	103.531	-2.00	4.287	103.100	-150.00
-4.143	103.408	-150.00	-4.000	103.622	-2.00	207+0.000	103.702	103.278	0.424	4.000	103.622	-2.00	4.319	103.143	-150.00
-4.151	103.529	-150.00	-4.000	103.755	-2.00	208+0.000	103.835	103.421	0.414	4.000	103.755	-2.00	4.234	103.404	-150.00
-4.198	103.964	-150.00	-4.000	104.261	-2.00	209+0.000	104.341	103.955	0.386	4.000	104.261	-2.00	4.198	103.964	-150.00
-4.207	104.482	-150.00	-4.000	104.793	-2.00	210+0.000	104.873	104.470	0.403	4.000	104.793	-2.00	4.203	104.489	-150.00
-4.234	105.086	-150.00	-4.000	105.438	-2.00	211+0.000	105.518	105.157	0.361	4.000	105.438	-2.00	4.141	105.226	-150.00
-4.262	105.698	-150.00	-4.000	106.090	-2.00	212+0.000	106.170	105.768	0.402	4.000	106.090	-2.00	4.169	105.837	-150.00
-4.252	106.190	-150.00	-4.000	106.568	-2.00	213+0.000	106.648	106.259	0.389	4.000	106.568	-2.00	4.160	106.328	-150.00
-4.250	106.587	-150.00	-4.000	106.961	-2.00	214+0.000	107.041	106.656	0.385	4.000	106.961	-2.00	4.158	106.724	-150.00
-4.193	106.801	-150.00	-4.000	107.090	-2.00	215+0.000	107.170	106.774	0.397	4.000	107.090	-2.00	4.230	106.745	-150.00
-4.190	106.518	-150.00	-4.000	106.803	-2.00	216+0.000	106.883	106.490	0.393	4.000	106.803	-2.00	4.228	106.462	-150.00
-4.130	106.278	-150.00	-4.000	106.474	-2.00	217+0.000	106.554	106.173	0.381	4.000	106.474	-2.00	4.297	106.028	-150.00
-4.095	105.672	-150.00	-4.000	105.814	-2.00	218+0.000	105.894	105.526	0.369	4.000	105.814	-2.00	4.290	105.379	-150.00
-4.064	105.120	-150.00	-4.000	105.217	-2.00	219+0.000	105.297	104.930	0.367	4.000	105.217	-2.00	4.325	104.729	-150.00
-4.059	104.710	-150.00	-4.000	104.798	-2.00	220+0.000	104.878	104.522	0.356	4.000	104.798	-2.00	4.317	104.322	-150.00
-4.042	104.337	-150.00	-4.000	104.400	-2.00	221+0.000	104.480	104.102	0.378	4.000	104.400	-2.00	4.349	103.877	-150.00
-4.095	104.350	-150.00	-4.000	104.493	-2.00	222+0.000	104.573	104.185	0.388	4.000	104.493	-2.00	4.322	104.010	-150.00
-4.091	104.556	-150.00	-4.000	104.692	-2.00	223+0.000	104.772	104.390	0.382	4.000	104.692	-2.00	4.318	104.216	-150.00
-4.140	104.854	-150.00	-4.000	105.063	-2.00	224+0.000	105.143	104.747	0.396	4.000	105.063	-2.00	4.284	104.637	-150.00
-4.107	105.371	-150.00	-4.000	105.531	-2.00	225+0.000	105.611	105.278	0.334	4.000	105.531	-2.00	4.242	105.169	-150.00
-4.218	105.598	-150.00	-4.000	105.925	-2.00	226+0.000	106.005	105.568	0.436	4.000	105.925	-2.00	4.257	105.540	-150.00
-4.194	105.814	-150.00	-4.000	106.105	-2.00	227+0.000	106.185	105.784	0.401	4.000	106.105	-2.00	4.235	105.753	-150.00
-4.226	105.729	-150.00	-4.000	106.068	-2.00	228+0.000	106.148	105.734	0.414	4.000	106.068	-2.00	4.216	105.744	-150.00
-4.221	105.580	-150.00	-4.000	105.912	-2.00	229+0.000	105.992	105.590	0.402	4.000	105.912	-2.00	4.208	105.600	-150.00
-4.220	105.404	-150.00	-4.000	105.734	-2.00	230+0.000	105.814	105.417	0.396	4.000	105.734	-2.00	4.188	105.451	-150.00
-4.220	105.175	-150.00	-4.000	105.506	-2.00	231+0.000	105.586	105.211	0.375	4.000	105.506	-2.00	4.173	105.246	-150.00
-4.214	104.962	-150.00	-4.000	105.284	-2.00	232+0.000	105.364	104.976	0.388	4.000	105.284	-2.00	4.172	105.026	-150.00
-4.221	104.933	-150.00	-4.000	105.264	-2.00	233+0.000	105.344	104.963	0.381	4.000	105.264	-2.00	4.181	104.993	-150.00
-4.242	104.929	-150.00	-4.000	105.291	-2.00	234+0.000	105.371	104.958	0.414	4.000	105.291	-2.00	4.203	104.986	-150.00
-4.192	105.072	-150.00	-4.000	105.360	-2.00	235+0.000	105.440	105.018	0.423	4.000	105.360	-2.00	4.216	105.036	-150.00

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria [illegible]

-4.190	105.330	-150.00	-4.000	105.615	-2.00	236+0.000	105.695	105.302	0.392	4.000	105.615	-2.00	4.227	105.274	-150.00
-4.185	105.591	-150.00	-4.000	105.869	-2.00	237+0.000	105.949	105.569	0.380	4.000	105.869	-2.00	4.215	105.546	-150.00
-4.172	105.859	-150.00	-4.000	106.117	-2.00	238+0.000	106.197	105.816	0.381	4.000	106.117	-2.00	4.221	105.786	-150.00
-4.112	106.194	-150.00	-4.000	106.362	-2.00	239+0.000	106.442	106.152	0.290	4.000	106.362	-2.00	4.169	106.110	-150.00
-4.094	106.467	-150.00	-4.000	106.608	-2.00	240+0.000	106.688	106.443	0.244	4.000	106.608	-2.00	4.126	106.419	-150.00
-4.126	106.676	-150.00	-4.000	106.865	-2.00	241+0.000	106.945	106.553	0.392	4.000	106.865	-2.00	4.289	106.432	-150.00
-4.150	107.017	-150.00	-4.000	107.242	-2.00	242+0.000	107.322	106.903	0.419	4.000	107.242	-2.00	4.283	106.818	-150.00
-4.170	107.376	-150.00	-4.000	107.631	-2.00	243+0.000	107.711	107.294	0.417	4.000	107.631	-2.00	4.280	107.212	-150.00
-4.096	107.922	-150.00	-4.000	108.065	-2.00	244+0.000	108.145	107.734	0.411	4.000	108.065	-2.00	4.353	107.535	-150.00
-4.109	108.486	-150.00	-4.000	108.650	-2.00	245+0.000	108.730	108.354	0.376	4.000	108.650	-2.00	4.289	108.216	-150.00
-4.119	109.056	-150.00	-4.000	109.234	-2.00	246+0.000	109.314	108.947	0.367	4.000	109.234	-2.00	4.267	108.834	-150.00
-4.057	109.615	-150.00	-4.000	109.700	-2.00	247+0.000	109.780	109.451	0.329	4.000	109.700	-2.00	4.281	109.278	-150.00
-4.039	110.094	-150.00	-4.000	110.153	-2.00	248+0.000	110.233	109.943	0.290	4.000	110.153	-2.00	4.246	109.784	-150.00
-4.080	110.386	-150.00	-4.000	110.506	-2.00	249+0.000	110.586	110.240	0.346	4.000	110.506	-2.00	4.289	110.072	-150.00
-4.129	110.496	-150.00	-4.000	110.690	-2.00	250+0.000	110.770	110.388	0.381	4.000	110.690	-2.00	4.275	110.277	-150.00
-4.104	110.549	-150.00	-4.000	110.704	-2.00	251+0.000	110.784	110.446	0.338	4.000	110.704	-2.00	4.248	110.332	-150.00
-4.087	110.423	-150.00	-4.000	110.553	-2.00	252+0.000	110.633	110.217	0.416	4.000	110.553	-2.00	4.293	110.113	-150.00
-4.092	110.208	-150.00	-4.000	110.346	-2.00	253+0.000	110.426	110.078	0.347	4.000	110.346	-2.00	4.264	109.950	-150.00
-4.045	110.072	-150.00	-4.000	110.139	-2.00	254+0.000	110.219	109.953	0.266	4.000	110.139	-2.00	4.205	109.832	-150.00
-4.029	109.889	-150.00	-4.000	109.932	-2.00	255+0.000	110.012	109.653	0.359	4.000	109.932	-2.00	4.272	109.524	-150.00
-4.183	109.451	-150.00	-4.000	109.725	-2.00	256+0.000	109.805	109.334	0.472	4.000	109.725	-2.00	4.342	109.212	-150.00
-4.170	109.263	-150.00	-4.000	109.519	-2.00	257+0.000	109.599	109.146	0.452	4.000	109.519	-2.00	4.308	109.056	-150.00
-4.176	109.048	-150.00	-4.000	109.312	-2.00	258+0.000	109.392	108.984	0.408	4.000	109.312	-2.00	4.241	108.950	-150.00
-4.194	108.813	-150.00	-4.000	109.105	-2.00	259+0.000	109.185	108.767	0.418	4.000	109.105	-2.00	4.256	108.721	-150.00
-4.171	108.642	-150.00	-4.000	108.898	-2.00	260+0.000	108.978	108.647	0.331	4.000	108.898	-2.00	4.164	108.652	-150.00
-4.131	108.494	-150.00	-4.000	108.691	-2.00	261+0.000	108.771	108.421	0.351	4.000	108.691	-2.00	4.230	108.346	-150.00
-4.375	108.025	-150.00	-4.000	108.587	-2.00	262+0.000	108.667	108.101	0.566	4.000	108.587	-2.00	4.275	108.175	-150.00
-4.257	108.353	-150.00	-4.000	108.739	-2.00	263+0.000	108.819	108.454	0.365	4.000	108.739	-2.00	4.125	108.551	-150.00
-4.293	108.709	-150.00	-4.000	109.149	-2.00	264+0.000	109.229	108.866	0.362	4.000	109.149	-2.00	4.075	109.037	-150.00
-4.243	109.398	-150.00	-4.000	109.763	-2.00	265+0.000	109.843	109.584	0.259	4.000	109.763	-2.00			
-4.384	109.596	-150.00	-4.000	110.172	-2.00	266+0.000	110.252	109.793	0.459	4.000	110.172	-2.00	4.120	109.993	-150.00
-4.502	109.539	-150.00	-4.000	110.291	-2.00	267+0.000	110.371	109.753	0.618	4.000	110.291	-2.00	4.146	110.073	-150.00
-4.433	109.471	-150.00	-4.000	110.120	-2.00	268+0.000	110.200	109.682	0.518	4.000	110.120	-2.00	4.160	109.880	-150.00
-4.246	109.289	-150.00	-4.000	109.658	-2.00	269+0.000	109.738	109.456	0.282	4.000	109.658	-2.00	4.025	109.620	-150.00
-4.229	108.563	-150.00	-4.000	108.906	-2.00	270+0.000	108.986	108.697	0.290	4.000	108.906	-2.00	4.054	108.825	-150.00
-4.254	107.487	-150.00	-4.000	107.868	-2.00	271+0.000	107.948	107.551	0.397	4.000	107.868	-2.00	4.170	107.613	-150.00
-4.239	106.387	-150.00	-4.000	106.746	-2.00	272+0.000	106.826	106.350	0.477	4.000	106.746	-2.00	4.227	106.406	-150.00
-4.267	106.005	-150.00	-4.000	106.406	-2.00	273+0.000	106.486	106.023	0.463	4.000	106.406	-2.00	4.243	106.041	-150.00
-4.255	105.860	-150.00	-4.000	106.242	-2.00	274+0.000	106.322	105.823	0.499	4.000	106.242	-2.00	4.304	105.786	-150.00
-4.210	105.938	-150.00	-4.000	106.253	-2.00	275+0.000	106.333	105.899	0.434	4.000	106.253	-2.00	4.251	105.876	-150.00
-4.212	106.084	-150.00	-4.000	106.402	-2.00	276+0.000	106.482	106.038	0.444	4.000	106.402	-2.00	4.249	106.029	-150.00
-4.171	106.295	-150.00	-4.000	106.552	-2.00	277+0.000	106.632	106.236	0.396	4.000	106.552	-2.00	4.247	106.182	-150.00
-4.168	106.407	-150.00	-4.000	106.659	-2.00	278+0.000	106.739	106.364	0.375	4.000	106.659	-2.00	4.240	106.298	-150.00
-4.162	106.430	-150.00	-4.000	106.672	-2.00	279+0.000	106.752	106.357	0.396	4.000	106.672	-2.00	4.260	106.282	-150.00
-4.147	106.465	-150.00	-4.000	106.686	-2.00	280+0.000	106.766	106.379	0.387	4.000	106.686	-2.00	4.263	106.291	-150.00
-4.148	106.478	-150.00	-4.000	106.700	-2.00	281+0.000	106.780	106.386	0.393	4.000	106.700	-2.00	4.276	106.285	-150.00
-4.142	106.500	-150.00	-4.000	106.713	-2.00	282+0.000	106.793	106.395	0.398	4.000	106.713	-2.00	4.284	106.287	-150.00
-4.139	106.518	-150.00	-4.000	106.727	-2.00	283+0.000	106.807	106.410	0.397	4.000	106.727	-2.00	4.286	106.298	-150.00
-4.163	106.618	-150.00	-4.000	106.862	-2.00	284+0.000	106.942	106.514	0.429	4.000	106.862	-2.00	4.302	106.409	-150.00
-4.181	106.737	-150.00	-4.000	107.008	-2.00	285+0.000	107.088	106.638	0.451	4.000	107.008	-2.00	4.315	106.536	-150.00
-4.142	106.942	-150.00	-4.000	107.154	-2.00	286+0.000	107.234	106.853	0.381	4.000	107.154	-2.00	4.261	106.762	-150.00
-4.166	107.051	-150.00	-4.000	107.300	-2.00	287+0.000	107.380	106.998	0.383	4.000	107.300	-2.00	4.232	106.952	-150.00
-4.186	107.167	-150.00	-4.000	107.446	-2.00	288+0.000	107.526	107.132	0.394	4.000	107.446	-2.00	4.233	107.097	-150.00
-4.131	107.215	-150.00	-4.000	107.412	-2.00	289+0.000	107.492	107.192	0.300	4.000	107.412	-2.00	4.162	107.169	-150.00
-4.125	106.992	-150.00	-4.000	107.179	-2.00	290+0.000	107.259	106.985	0.273	4.000	107.179	-2.00	4.136	106.974	-150.00
-4.161	106.703	-150.00	-4.000	106.945	-2.00	291+0.000	107.025	106.703	0.322	4.000	106.945	-2.00	4.162	106.703	-150.00
-4.160	106.478	-150.00	-4.000	106.717	-2.00	292+0.000	106.797	106.458	0.340	4.000	106.717	-2.00	4.187	106.437	-150.00
-4.193	106.277	-150.00	-4.000	106.566	-2.00	293+0.000	106.646	106.267	0.378	4.000	106.566	-2.00	4.194	106.274	-150.00
-4.189	106.230	-150.00	-4.000	106.513	-2.00	294+0.000	106.593	106.212	0.381	4.000	106.513	-2.00	4.212	106.196	-150.00
-4.176	106.297	-150.00	-4.000	106.561	-2.00	295+0.000	106.641	106.267	0.374	4.000	106.561	-2.00	4.210	106.246	-150.00
-4.199	106.405	-150.00	-4.000	106.704	-2.00	296+0.000	106.784	106.369	0.415	4.000	106.704	-2.00	4.243	106.339	-150.00
-4.224	106.538	-150.00	-4.000	106.875	-2.00	297+0.000	106.955	106.509	0.446	4.000	106.875	-2.00	4.264	106.479	-150.00
-4.172	106.788	-150.00	-4.000	107.045	-2.00	298+0.000	107.125	106.733	0.392	4.000	107.045	-2.00	4.245	106.677	-150.00
-4.229	106.950	-150.00	-4.000	107.295	-2.00	299+0.000	107.375	106.913	0.462	4.000	107.295	-2.00	4.261	106.903	-150.00
-4.108	107.404	-150.00	-4.000	107.566	-2.00	300+0.000	107.646	107.374	0.272	4.000	107.566	-2.00	4.154	107.335	-150.00
-4.104	107.682	-150.00	-4.000	107.838	-2.00	301+0.000	107.918	107.634	0.284	4.000	107.838	-2.00	4.168	107.586	-150.00
-4.202	107.806	-150.00	-4.000	108.109	-2.00	302+0.000	108.189	107.783	0.405	4.000	108.109	-2.00	4.230	107.763	-150.00
-4.207	107.768	-150.00	-4.000	108.079	-2.00	303+0.000	108.159	107.762	0.397	4.000	108.079	-2.00	4.215	107.756	-150.00
-4.218	107.583	-150.00	-4.000	107.909	-2.00	304+0.000	107.989	107.584	0.405	4.000	107.909	-2.00	4.221	107.578	-150.00
-4.251	107.158	-150.00	-4.000	107.534	-2.00	305+0.000	107.614	107.198	0.416	4.000	107.534	-2.00	4.197	107.238	-150.00
-4.245	106.775	-150.00	-4.000	107.143	-2.00	306+0.000	107.223	106.836	0.387	4.000	107.143	-2.00	4.165	106.895	-150.00
-4.362	106.425	-150.00	-4.000	106.968	-2.00	307+0.000	107.048	106.558	0.490	4.000	106.968	-2.00	4.188	106.687	-150.00
-4.281	106.372	-150.00	-4.000	106.793	-2.00	308+0.000	106.873	106.513	0.360	4.000	106.793	-2.00	4.115	106.620	-150.00
-4.361	106.036	-150.00	-4.000	106.578	-2.00	309+0.000	106.658	106.187	0.471	4.000	106.578	-2.00	4.163	106.334	-150.00
-4.294	105.905	-150.00	-4.000	106.346	-2.00	310+0.000	106.426	106.049	0.377	4.000	106.346	-2.00	4.106	106.187	-150.00
-4.222	105.637	-150.00	-4.000	105.970	-2.00	311+0.000	106.050	105.796	0.254	4.000	105.970	-2.00	4.016	105.946	-150.00
-4.210	105.448	-150.00	-4.000	105.764	-2.00	312+0.000	105.844	105.597	0.247	4.000	105.764	-2.00	4.017	105.738	-150.00
-4.279	105.309	-150.00	-4.000	105.728	-2.00	313+0.000	105.808	105.443	0.365	4.000	105.728	-2.00	4.094	105.588	-150.00
-4.314	105.392	-150.00	-4.000	105.862	-2.00	314+0.000	105.942	105.537	0.406	4.000	105.862	-2.00	4.123	105.678	-150.00
-4.331	105.670	-150.00	-4.000	106.167	-2.00	315+0.000	106.247	105.815	0.432	4.000	106.167	-2.00	4.142	105.954	-150.00
-4.272	106.232	-150.00	-4.000	106.641	-2.00	316+0.000	106.721	106.335	0.385	4.000	106.641	-2.00	4.137	106.435	-150.00

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Projetos e Obras
Secretaria

-4.263	106.782	-150.00	-4.000	107.177	-2.00	317+0.000	107.257	106.906	0.350	4.000	107.177	-2.00	4.106	107.018	-150.00
-4.280	107.292	-150.00	-4.000	107.713	-2.00	318+0.000	107.793	107.384	0.409	4.000	107.713	-2.00	4.149	107.489	-150.00
-4.288	107.751	-150.00	-4.000	108.184	-2.00	319+0.000	108.264	107.859	0.405	4.000	108.184	-2.00	4.147	107.963	-150.00
-4.274	107.634	-150.00	-4.000	108.045	-2.00	320+0.000	108.125	107.729	0.396	4.000	108.045	-2.00	4.145	107.828	-150.00
-4.212	107.221	-150.00	-4.000	107.539	-2.00	321+0.000	107.619	107.307	0.311	4.000	107.539	-2.00	4.098	107.391	-150.00
-4.207	106.494	-150.00	-4.000	106.804	-2.00	322+0.000	106.884	106.559	0.325	4.000	106.804	-2.00	4.121	106.623	-150.00
-4.215	105.742	-150.00	-4.000	106.064	-2.00	323+0.000	106.144	105.783	0.361	4.000	106.064	-2.00	4.203	105.760	-150.00
-4.206	104.856	-150.00	-4.000	105.165	-2.00	324+0.000	105.245	104.859	0.387	4.000	105.165	-2.00	4.217	104.839	-150.00
-4.304	103.810	-150.00	-4.000	104.266	-2.00	325+0.000	104.346	103.847	0.499	4.000	104.266	-2.00	4.255	103.884	-150.00
-4.213	103.274	-150.00	-4.000	103.593	-2.00	326+0.000	103.673	103.303	0.371	4.000	103.593	-2.00	4.177	103.328	-150.00
-4.223	102.962	-150.00	-4.000	103.295	-2.00	327+0.000	103.375	102.984	0.391	4.000	103.295	-2.00	4.181	103.024	-150.00
-4.309	102.940	-150.00	-4.000	103.404	-2.00	328+0.000	103.484	103.003	0.481	4.000	103.404	-2.00	4.227	103.064	-150.00
-4.297	103.122	-150.00	-4.000	103.567	-2.00	329+0.000	103.647	103.201	0.447	4.000	103.567	-2.00	4.193	103.278	-150.00
-4.305	103.273	-150.00	-4.000	103.730	-2.00	330+0.000	103.810	103.381	0.429	4.000	103.730	-2.00	4.164	103.485	-150.00
-4.261	103.502	-150.00	-4.000	103.894	-2.00	331+0.000	103.974	103.649	0.325	4.000	103.894	-2.00	4.083	103.769	-150.00
-4.277	103.597	-150.00	-4.000	104.013	-2.00	332+0.000	104.093	103.745	0.348	4.000	104.013	-2.00	4.085	103.885	-150.00
-4.238	103.538	-150.00	-4.000	103.894	-2.00	333+0.000	103.974	103.683	0.291	4.000	103.894	-2.00	4.080	103.774	-150.00
-4.201	103.289	-150.00	-4.000	103.591	-2.00	334+0.000	103.671	103.387	0.283	4.000	103.591	-2.00	4.075	103.478	-150.00
-4.190	103.035	-150.00	-4.000	103.320	-2.00	335+0.000	103.400	103.126	0.274	4.000	103.320	-2.00	4.070	103.215	-150.00
-4.242	102.757	-150.00	-4.000	103.119	-2.00	336+0.000	103.199	102.818	0.381	4.000	103.119	-2.00	4.160	102.879	-150.00
-4.181	102.718	-150.00	-4.000	102.990	-2.00	337+0.000	103.070	102.724	0.346	4.000	102.990	-2.00	4.173	102.730	-150.00
-4.186	102.651	-150.00	-4.000	102.931	-2.00	338+0.000	103.011	102.660	0.351	4.000	102.931	-2.00	4.175	102.669	-150.00
-4.126	102.753	-150.00	-4.000	102.942	-2.00	339+0.000	103.022	102.703	0.319	4.000	102.942	-2.00	4.193	102.653	-150.00
-4.146	102.804	-150.00	-4.000	103.024	-2.00	340+0.000	103.104	102.749	0.355	4.000	103.024	-2.00	4.217	102.698	-150.00
-4.195	102.883	-150.00	-4.000	103.175	-2.00	341+0.000	103.255	102.816	0.439	4.000	103.175	-2.00	4.283	102.750	-150.00
-4.275	102.940	-150.00	-4.000	103.353	-2.00	342+0.000	103.433	102.871	0.562	4.000	103.353	-2.00	4.367	102.803	-150.00
-4.227	103.190	-150.00	-4.000	103.531	-2.00	343+0.000	103.611	103.116	0.495	4.000	103.531	-2.00	4.328	103.039	-150.00
-4.165	103.577	-150.00	-4.000	103.824	-2.00	344+0.000	103.904	103.525	0.380	4.000	103.824	-2.00	4.259	103.435	-150.00
-4.178	104.112	-150.00	-4.000	104.379	-2.00	345+0.000	104.459	104.059	0.400	4.000	104.379	-2.00	4.249	104.005	-150.00
-4.113	105.027	-150.00	-4.000	105.196	-2.00	346+0.000	105.276	104.964	0.312	4.000	105.196	-2.00	4.199	104.897	-150.00
-4.145	106.015	-150.00	-4.000	106.232	-2.00	347+0.000	106.312	105.950	0.363	4.000	106.232	-2.00	4.233	105.883	-150.00
-4.164	107.047	-150.00	-4.000	107.292	-2.00	348+0.000	107.372	106.983	0.389	4.000	107.292	-2.00	4.250	106.918	-150.00
-4.160	107.968	-150.00	-4.000	108.209	-2.00	349+0.000	108.289	107.865	0.424	4.000	108.209	-2.00	4.300	107.758	-150.00
-4.148	108.626	-150.00	-4.000	108.848	-2.00	350+0.000	108.928	108.523	0.405	4.000	108.848	-2.00	4.307	108.388	-150.00
-4.110	109.014	-150.00	-4.000	109.179	-2.00	351+0.000	109.259	108.880	0.378	4.000	109.179	-2.00	4.278	108.762	-150.00
-4.112	109.336	-150.00	-4.000	109.504	-2.00	352+0.000	109.584	109.177	0.407	4.000	109.504	-2.00	4.330	109.010	-150.00
-4.163	109.585	-150.00	-4.000	109.830	-2.00	353+0.000	109.910	109.362	0.548	4.000	109.830	-2.00	4.467	109.129	-150.00
-4.116	109.981	-150.00	-4.000	110.155	-2.00	354+0.000	110.235	109.753	0.482	4.000	110.155	-2.00	4.464	109.460	-150.00
-4.091	110.344	-150.00	-4.000	110.481	-2.00	355+0.000	110.561	110.056	0.505	4.000	110.481	-2.00	4.494	109.740	-150.00
-4.016	110.782	-150.00	-4.000	110.806	-2.00	356+0.000	110.886	110.462	0.424	4.000	110.806	-2.00	4.467	110.106	-150.00
-4.016	111.108	-150.00	-4.000	111.132	-2.00	357+0.000	111.212	110.785	0.427	4.000	111.132	-2.00	4.469	110.429	-150.00
-4.014	111.301	-150.00	-4.000	111.322	-2.00	358+0.000	111.402	110.989	0.413	4.000	111.322	-2.00	4.445	110.654	-150.00
-4.009	111.302	-150.00	-4.000	111.316	-2.00	359+0.000	111.396	111.000	0.395	4.000	111.316	-2.00	4.424	110.680	-150.00
-4.044	111.001	-150.00	-4.000	111.067	-2.00	360+0.000	111.147	110.758	0.389	4.000	111.067	-2.00	4.380	110.497	-150.00
-4.047	110.684	-150.00	-4.000	110.754	-2.00	361+0.000	110.834	110.486	0.347	4.000	110.754	-2.00	4.318	110.276	-150.00
-4.099	110.291	-150.00	-4.000	110.440	-2.00	362+0.000	110.520	110.104	0.416	4.000	110.440	-2.00	4.341	109.928	-150.00
-4.185	109.849	-150.00	-4.000	110.127	-2.00	363+0.000	110.207	109.693	0.514	4.000	110.127	-2.00	4.399	109.529	-150.00
-4.229	109.470	-150.00	-4.000	109.814	-2.00	364+0.000	109.894	109.355	0.538	4.000	109.814	-2.00	4.385	109.237	-150.00
-4.185	109.222	-150.00	-4.000	109.500	-2.00	365+0.000	109.580	109.136	0.445	4.000	109.500	-2.00	4.302	109.047	-150.00
-4.159	109.099	-150.00	-4.000	109.338	-2.00	366+0.000	109.418	109.024	0.394	4.000	109.338	-2.00	4.252	108.960	-150.00
-4.167	109.108	-150.00	-4.000	109.359	-2.00	367+0.000	109.439	109.044	0.394	4.000	109.359	-2.00	4.252	108.980	-150.00
-4.168	109.210	-150.00	-4.000	109.462	-2.00	368+0.000	109.542	109.154	0.388	4.000	109.462	-2.00	4.231	109.116	-150.00
-4.189	109.467	-150.00	-4.000	109.750	-2.00	369+0.000	109.830	109.420	0.411	4.000	109.750	-2.00	4.240	109.391	-150.00
-4.203	109.908	-150.00	-4.000	110.212	-2.00	370+0.000	110.292	109.880	0.413	4.000	110.212	-2.00	4.241	109.851	-150.00
-4.206	110.291	-150.00	-4.000	110.600	-2.00	371+0.000	110.680	110.280	0.400	4.000	110.600	-2.00	4.220	110.270	-150.00
-4.184	110.588	-150.00	-4.000	110.864	-2.00	372+0.000	110.944	110.586	0.358	4.000	110.864	-2.00	4.187	110.584	-150.00
-4.174	110.742	-150.00	-4.000	111.003	-2.00	373+0.000	111.083	110.741	0.343	4.000	111.003	-2.00	4.176	110.739	-150.00
-4.293	110.579	-150.00	-4.000	111.019	-2.00	374+0.000	111.099	110.608	0.491	4.000	111.019	-2.00	4.250	110.644	-150.00
-4.306	110.450	-150.00	-4.000	110.909	-2.00	375+0.000	110.989	110.490	0.499	4.000	110.909	-2.00	4.253	110.529	-150.00
-4.333	110.234	-150.00	-4.000	110.733	-2.00	376+0.000	110.813	110.302	0.511	4.000	110.733	-2.00	4.261	110.342	-150.00
-4.307	110.096	-150.00	-4.000	110.557	-2.00	377+0.000	110.637	110.171	0.467	4.000	110.557	-2.00	4.209	110.244	-150.00
-4.290	110.047	-150.00	-4.000	110.482	-2.00	378+0.000	110.562	110.151	0.411	4.000	110.482	-2.00	4.157	110.246	-150.00
-4.255	110.151	-150.00	-4.000	110.533	-2.00	379+0.000	110.613	110.249	0.364	4.000	110.533	-2.00	4.126	110.344	-150.00
-4.231	110.238	-150.00	-4.000	110.585	-2.00	380+0.000	110.665	110.316	0.349	4.000	110.585	-2.00	4.119	110.406	-150.00
-4.197	110.335	-150.00	-4.000	110.630	-2.00	381+0.000	110.710	110.412	0.298	4.000	110.630	-2.00	4.095	110.488	-150.00
-4.190	110.351	-150.00	-4.000	110.637	-2.00	382+0.000	110.717	110.427	0.290	4.000	110.637	-2.00	4.090	110.503	-150.00
-4.179	110.333	-150.00	-4.000	110.602	-2.00	383+0.000	110.682	110.412	0.270	4.000	110.602	-2.00	4.075	110.490	-150.00
-4.211	110.210	-150.00	-4.000	110.526	-2.00	384+0.000	110.606	110.278	0.327	4.000	110.526	-2.00	4.120	110.346	-150.00
-4.213	110.087	-150.00	-4.000	110.407	-2.00	385+0.000	110.487	110.146	0.341	4.000	110.407	-2.00	4.135	110.204	-150.00
-4.260	109.868	-150.00	-4.000	110.257	-2.00	386+0.000	110.337	109.936	0.401	4.000	110.257	-2.00	4.175	109.995	-150.00
-4.410	109.491	-150.00	-4.000	110.106	-2.00	387+0.000	110.186	109.556	0.630	4.000	110.106	-2.00	4.330	109.611	-150.00
-4.355	109.422	-150.00	-4.000	109.954	-2.00	388+0.000	110.034	109.511	0.523	4.000	109.954	-2.00	4.238	109.598	-150.00
-4.254	109.421	-150.00	-4.000	109.802	-2.00	389+0.000	109.882	109.472	0.411	4.000	109.802	-2.00	4.187	109.521	-150.00
-4.200	109.350	-150.00	-4.000	109.651	-2.00	390+0.000	109.731	109.395	0.336	4.000	109.651	-2.00	4.141	109.439	-150.00
-4.140	109.289	-150.00	-4.000	109.499	-2.00	391+0.000	109.579	109.330	0.248	4.000	109.499	-2.00	4.085	109.371	-150.00
-4.066	109.248	-150.00	-4.000	109.347	-2.00	392+0.000	109.427	109.300	0.127	4.000	109.347	-2.00			
-4.128	109.004	-150.00	-4.000	109.195	-2.00	393+0.000	109.275	109.081	0.194	4.000	109.195	-2.00	4.025	109.157	-150.00
-4.203	108.739	-150.00	-4.000	109.044	-2.00	394+0.000	109.124	108.843	0.281	4.000	109.044	-2.00	4.067	108.943	-150.00
-4.266	108.439	-150.00	-4.000	108.839	-2.00	395+0.000	108.919	108.545	0.374	4.000	108.839	-2.00	4.129	108.646	-150.00
-4.211	107.949	-150.00	-4.000	108.265	-2.00	396+0.000	108.345	108.068	0.277	4.000	108.265	-2.00	4.054	108.184	-150.00
-4.183	107.396	-150.00	-4.000	107.671	-2.00	397+0.000	107.751	107.528	0.223	4.000	107.671	-2.00	4.014	107.649	-150.00

Osvaldo Leôncio da Silva Filho
Diretor de Engenharia e Projetos
Projetos e Obras - DNIT/SEDE
Secretaria de Infraestrutura Terrestre

-4.222	106.743	-150.00	-4.000	107.076	-2.00	398+0.000	107.156	106.876	0.280	4.000	107.076	-2.00	4.048	107.004	-150.00
-4.268	106.079	-150.00	-4.000	106.481	-2.00	399+0.000	106.561	106.214	0.347	4.000	106.481	-2.00	4.091	106.344	-150.00
-4.273	105.516	-150.00	-4.000	105.925	-2.00	400+0.000	106.005	105.653	0.353	4.000	105.925	-2.00	4.094	105.784	-150.00
-4.269	105.095	-150.00	-4.000	105.498	-2.00	401+0.000	105.578	105.248	0.330	4.000	105.498	-2.00	4.070	105.394	-150.00
-4.248	104.831	-150.00	-4.000	105.203	-2.00	402+0.000	105.283	104.974	0.310	4.000	105.203	-2.00	4.062	105.110	-150.00
-4.280	104.615	-150.00	-4.000	105.034	-2.00	403+0.000	105.114	104.771	0.344	4.000	105.034	-2.00	4.077	104.919	-150.00
-4.296	104.454	-150.00	-4.000	104.897	-2.00	404+0.000	104.977	104.610	0.367	4.000	104.897	-2.00	4.106	104.738	-150.00
-4.298	104.195	-150.00	-4.000	104.642	-2.00	405+0.000	104.722	104.341	0.382	4.000	104.642	-2.00	4.115	104.469	-150.00
-4.283	103.842	-150.00	-4.000	104.266	-2.00	406+0.000	104.346	103.982	0.365	4.000	104.266	-2.00	4.104	104.110	-150.00
-4.228	103.283	-150.00	-4.000	103.625	-2.00	407+0.000	103.705	103.405	0.301	4.000	103.625	-2.00	4.069	103.521	-150.00
-4.183	102.650	-150.00	-4.000	102.924	-2.00	408+0.000	103.004	102.773	0.231	4.000	102.924	-2.00	4.020	102.894	-150.00
-4.157	101.987	-150.00	-4.000	102.222	-2.00	409+0.000	102.302	102.091	0.211	4.000	102.222	-2.00	4.020	102.192	-150.00
-4.192	101.232	-150.00	-4.000	101.520	-2.00	410+0.000	101.600	101.333	0.267	4.000	101.520	-2.00	4.054	101.439	-150.00
-4.213	100.499	-150.00	-4.000	100.819	-2.00	411+0.000	100.899	100.594	0.305	4.000	100.819	-2.00	4.088	100.686	-150.00
-4.240	99.758	-150.00	-4.000	100.117	-2.00	412+0.000	100.197	99.832	0.365	4.000	100.117	-2.00	4.128	99.925	-150.00
-4.236	99.138	-150.00	-4.000	99.493	-2.00	413+0.000	99.573	99.207	0.366	4.000	99.493	-2.00	4.137	99.287	-150.00
-4.247	98.568	-150.00	-4.000	98.939	-2.00	414+0.000	99.019	98.644	0.375	4.000	98.939	-2.00	4.141	98.727	-150.00
-4.258	98.094	-150.00	-4.000	98.481	-2.00	415+0.000	98.561	98.188	0.373	4.000	98.481	-2.00	4.134	98.280	-150.00
-4.245	97.914	-150.00	-4.000	98.282	-2.00	416+0.000	98.362	97.999	0.363	4.000	98.282	-2.00	4.135	98.079	-150.00
-4.254	97.884	-150.00	-4.000	98.264	-2.00	417+0.000	98.344	97.964	0.381	4.000	98.264	-2.00	4.148	98.042	-150.00
-4.175	97.984	-150.00	-4.000	98.247	-2.00	418+0.000	98.327	98.057	0.269	4.000	98.247	-2.00	4.079	98.129	-150.00
-4.149	98.006	-150.00	-4.000	98.229	-2.00	419+0.000	98.309	98.085	0.225	4.000	98.229	-2.00	4.048	98.157	-150.00
-4.198	97.915	-150.00	-4.000	98.212	-2.00	420+0.000	98.292	97.987	0.305	4.000	98.212	-2.00	4.103	98.057	-150.00
-4.238	97.837	-150.00	-4.000	98.194	-2.00	421+0.000	98.274	97.906	0.368	4.000	98.194	-2.00	4.147	97.974	-150.00
-4.271	97.770	-150.00	-4.000	98.176	-2.00	422+0.000	98.256	97.838	0.418	4.000	98.176	-2.00	4.129	97.983	-150.00
-4.286	97.730	-150.00	-4.000	98.159	-2.00	423+0.000	98.239	97.861	0.377	4.000	98.159	-2.00	4.100	98.009	-150.00
-4.231	97.892	-150.00	-4.000	98.240	-2.00	424+0.000	98.320	98.025	0.295	4.000	98.240	-2.00	4.059	98.152	-150.00
-4.190	98.045	-150.00	-4.000	98.330	-2.00	425+0.000	98.410	98.128	0.282	4.000	98.330	-2.00	4.081	98.208	-150.00
-4.143	98.205	-150.00	-4.000	98.420	-2.00	426+0.000	98.500	98.278	0.222	4.000	98.420	-2.00	4.048	98.348	-150.00
-4.091	98.374	-150.00	-4.000	98.510	-2.00	427+0.000	98.590	98.442	0.148	4.000	98.510	-2.00			
-4.024	98.565	-150.00	-4.000	98.600	-2.00	428+0.000	98.680	98.615	0.066	4.000	98.600	-2.00	4.098	98.665	66.67
-4.089	98.749	66.67	-4.000	98.690	-2.00	429+0.000	98.770	98.738	0.032	4.000	98.690	-2.00	4.056	98.728	66.67
-4.028	98.739	-150.00	-4.000	98.780	-2.00	430+0.000	98.860	98.709	0.151	4.000	98.780	-2.00	4.067	98.679	-150.00
-4.138	98.663	-150.00	-4.000	98.870	-2.00	431+0.000	98.950	98.628	0.322	4.000	98.870	-2.00	4.159	98.631	-150.00
-4.222	98.627	-150.00	-4.000	98.960	-2.00	432+0.000	99.040	98.611	0.430	4.000	98.960	-2.00	4.234	98.610	-150.00
-4.261	98.736	-150.00	-4.000	99.128	-2.00	433+0.000	99.208	98.785	0.423	4.000	99.128	-2.00	4.215	98.806	-150.00
-4.302	98.988	-150.00	-4.000	99.441	-2.00	434+0.000	99.521	99.037	0.484	4.000	99.441	-2.00	4.237	99.085	-150.00
-4.289	99.373	-150.00	-4.000	99.807	-2.00	435+0.000	99.887	99.426	0.461	4.000	99.807	-2.00	4.219	99.478	-150.00
-4.264	99.776	-150.00	-4.000	100.173	-2.00	436+0.000	100.253	99.827	0.426	4.000	100.173	-2.00	4.198	99.877	-150.00
-4.251	100.162	-150.00	-4.000	100.539	-2.00	437+0.000	100.619	100.198	0.421	4.000	100.539	-2.00	4.204	100.233	-150.00
-4.220	100.511	-150.00	-4.000	100.840	-2.00	438+0.000	100.920	100.523	0.397	4.000	100.840	-2.00	4.203	100.535	-150.00
-4.212	100.741	-150.00	-4.000	101.059	-2.00	439+0.000	101.139	100.755	0.385	4.000	101.059	-2.00	4.196	100.766	-150.00
-4.224	100.940	-150.00	-4.000	101.276	-2.00	440+0.000	101.356	100.954	0.403	4.000	101.276	-2.00	4.229	100.933	-150.00
-4.194	101.104	-150.00	-4.000	101.396	-2.00	441+0.000	101.476	101.079	0.397	4.000	101.396	-2.00	4.233	101.046	-150.00
-4.200	101.232	-150.00	-4.000	101.532	-2.00	442+0.000	101.612	101.213	0.399	4.000	101.532	-2.00	4.225	101.194	-150.00
-4.213	101.428	-150.00	-4.000	101.747	-2.00	443+0.000	101.827	101.398	0.428	4.000	101.747	-2.00	4.271	101.340	-150.00
-4.214	101.640	-150.00	-4.000	101.962	-2.00	444+0.000	102.042	101.567	0.475	4.000	101.962	-2.00	4.313	101.492	-150.00
-4.253	101.797	-150.00	-4.000	102.177	-2.00	445+0.000	102.257	101.658	0.598	4.000	102.177	-2.00	4.436	101.522	-150.00
-4.183	102.117	-150.00	-4.000	102.392	-2.00	446+0.000	102.472	101.917	0.555	4.000	102.392	-2.00	4.458	101.704	-150.00
-4.195	102.314	-150.00	-4.000	102.607	-2.00	447+0.000	102.687	102.101	0.586	4.000	102.607	-2.00	4.489	101.873	-150.00
-4.045	102.754	-150.00	-4.000	102.822	-2.00	448+0.000	102.902	102.502	0.399	4.000	102.822	-2.00	4.364	102.276	-150.00
-4.046	102.968	-150.00	-4.000	103.037	-2.00	449+0.000	103.117	102.729	0.387	4.000	103.037	-2.00	4.391	102.451	-150.00
-4.036	103.104	-150.00	-4.000	103.158	-2.00	450+0.000	103.238	102.839	0.399	4.000	103.158	-2.00	4.409	102.544	-150.00
-4.034	103.128	-150.00	-4.000	103.179	-2.00	451+0.000	103.259	102.860	0.399	4.000	103.179	-2.00	4.407	102.568	-150.00
-4.056	102.977	-150.00	-4.000	103.062	-2.00	452+0.000	103.142	102.756	0.386	4.000	103.062	-2.00	4.366	102.512	-150.00
-4.012	102.702	-150.00	-4.000	102.721	-2.00	453+0.000	102.801	102.488	0.313	4.000	102.721	-2.00	4.309	102.258	-150.00
-4.016	102.352	-150.00	-4.000	102.376	-2.00	454+0.000	102.456	102.153	0.303	4.000	102.376	-2.00	4.291	101.940	-150.00
-4.054	101.950	-150.00	-4.000	102.031	-2.00	455+0.000	102.111	101.765	0.346	4.000	102.031	-2.00	4.304	101.575	-150.00
-4.083	101.563	-150.00	-4.000	101.686	-2.00	456+0.000	101.766	101.388	0.378	4.000	101.686	-2.00	4.322	101.203	-150.00
-4.134	101.141	-150.00	-4.000	101.342	-2.00	457+0.000	101.422	100.989	0.433	4.000	101.342	-2.00	4.333	100.842	-150.00
-4.143	100.782	-150.00	-4.000	100.997	-2.00	458+0.000	101.077	100.653	0.424	4.000	100.997	-2.00	4.297	100.551	-150.00
-4.109	100.488	-150.00	-4.000	100.652	-2.00	459+0.000	100.732	100.386	0.346	4.000	100.652	-2.00	4.245	100.285	-150.00
-4.045	100.303	-150.00	-4.000	100.370	-2.00	460+0.000	100.450	100.204	0.246	4.000	100.370	-2.00	4.179	100.102	-150.00
-4.061	100.214	-150.00	-4.000	100.305	-2.00	461+0.000	100.385	100.096	0.290	4.000	100.305	-2.00	4.222	99.973	-150.00
-4.084	100.339	-150.00	-4.000	100.464	-2.00	462+0.000	100.544	100.250	0.294	4.000	100.464	-2.00	4.204	100.159	-150.00
-4.092	100.608	-150.00	-4.000	100.746	-2.00	463+0.000	100.826	100.532	0.294	4.000	100.746	-2.00	4.204	100.440	-150.00
-4.119	100.850	-150.00	-4.000	101.028	-2.00	464+0.000	101.108	100.775	0.333	4.000	101.028	-2.00	4.220	100.699	-150.00
-4.148	101.089	-150.00	-4.000	101.310	-2.00	465+0.000	101.390	101.049	0.341	4.000	101.310	-2.00	4.221	100.978	-150.00
-4.183	100.931	-150.00	-4.000	101.205	-2.00	466+0.000	101.285	100.886	0.399	4.000	101.205	-2.00	4.252	100.828	-150.00
-4.141	100.536	-150.00	-4.000	100.747	-2.00	467+0.000	100.827	100.508	0.320	4.000	100.747	-2.00	4.191	100.460	-150.00
-4.146	99.953	-150.00	-4.000	100.172	-2.00	468+0.000	100.252	99.909	0.343	4.000	100.172	-2.00	4.206	99.863	-150.00
-4.160	99.382	-150.00	-4.000	99.622	-2.00	469+0.000	99.702	99.345	0.357	4.000	99.622	-2.00	4.211	99.306	-150.00
-4.246	98.844	-150.00	-4.000	99.213	-2.00	470+0.000	99.293	98.792	0.501	4.000	99.213	-2.00	4.312	98.745	-150.00
-4.196	98.665	-150.00	-4.000	98.959	-2.00	471+0.000	99.039	98.621	0.418	4.000	98.959	-2.00	4.255	98.576	-150.00
-4.154	98.628	-150.00	-4.000	98.860	-2.00	472+0.000	98.940	98.564	0.376	4.000	98.860	-2.00	4.241	98.499	-150.00
-4.103	98.762	-150.00	-4.000	98.916	-2.00	473+0.000	98.996	98.676	0.321	4.000	98.916	-2.00	4.205	98.609	-150.00
-4.120	98.948	-150.00	-4.000	99.127	-2.00	474+0.000	99.207	98.866	0.341	4.000	99.127	-2.00	4.227	98.787	-150.00
-4.179	99.070	-150.00	-4.000	99.339	-2.00	475+0.000	99.419	99.015	0.404	4.000	99.339	-2.00	4.253	98.959	-150.00
-4.197	99.009	-150.00	-4.000	99.305	-2.00	476+0.000	99.385	98.962	0.422	4.000	99.305	-2.00	4.260	98.915	-150.00
-4.203	98.966	-150.00	-4.000	99.271	-2.00	477+0.000	99.351	98.956	0.395	4.000	99.271	-2.00	4.215	98.948	-150.00
-4.228	98.944	-150.00	-4.000	99.286	-2.00	478+0.000	99.366	98.943	0.423	4.000	99.286	-2.00	4.229	98.942	-150.00

Osvaldo Leôncio da Silva
Diretoria Técnica de Programas
Projetos e Obras - DUPRO
Secretaria [illegible]

-4.257	98.952	-150.00	-4.000	99.337	-2.00	479+0.000	99.417	98.966	0.451	4.000	99.337	-2.00	4.233	98.987	-150.00
-4.220	99.073	-150.00	-4.000	99.403	-2.00	480+0.000	99.483	99.095	0.388	4.000	99.403	-2.00	4.188	99.122	-150.00
-4.207	99.571	-150.00	-4.000	99.881	-2.00	481+0.000	99.961	99.644	0.317	4.000	99.881	-2.00	4.110	99.715	-150.00
-4.198	99.981	-150.00	-4.000	100.278	-2.00	482+0.000	100.358	100.064	0.294	4.000	100.278	-2.00	4.099	100.130	-150.00
-4.262	100.032	-150.00	-4.000	100.424	-2.00	483+0.000	100.504	100.103	0.401	4.000	100.424	-2.00	4.165	100.177	-150.00
-4.287	99.888	-150.00	-4.000	100.318	-2.00	484+0.000	100.398	99.963	0.435	4.000	100.318	-2.00	4.188	100.036	-150.00
-4.265	99.577	-150.00	-4.000	99.974	-2.00	485+0.000	100.054	99.644	0.409	4.000	99.974	-2.00	4.175	99.711	-150.00
-4.240	99.215	-150.00	-4.000	99.576	-2.00	486+0.000	99.656	99.269	0.387	4.000	99.576	-2.00	4.172	99.317	-150.00
-4.235	98.826	-150.00	-4.000	99.177	-2.00	487+0.000	99.257	98.871	0.387	4.000	99.177	-2.00	4.175	98.915	-150.00
-4.206	98.514	-150.00	-4.000	98.824	-2.00	488+0.000	98.904	98.539	0.365	4.000	98.824	-2.00	4.174	98.563	-150.00
-4.198	98.252	-150.00	-4.000	98.548	-2.00	489+0.000	98.628	98.275	0.353	4.000	98.548	-2.00	4.166	98.300	-150.00
-4.184	98.075	-150.00	-4.000	98.351	-2.00	490+0.000	98.431	98.067	0.365	4.000	98.351	-2.00	4.195	98.058	-150.00
-4.238	97.876	-150.00	-4.000	98.232	-2.00	491+0.000	98.312	97.835	0.477	4.000	98.232	-2.00	4.288	97.801	-150.00
-4.254	97.812	-150.00	-4.000	98.192	-2.00	492+0.000	98.272	97.769	0.503	4.000	98.192	-2.00	4.304	97.735	-150.00
-4.253	97.850	-150.00	-4.000	98.230	-2.00	493+0.000	98.310	97.790	0.520	4.000	98.230	-2.00	4.331	97.733	-150.00
-4.202	98.036	-150.00	-4.000	98.338	-2.00	494+0.000	98.418	97.968	0.450	4.000	98.338	-2.00	4.289	97.905	-150.00
-4.174	98.197	-150.00	-4.000	98.459	-2.00	495+0.000	98.539	98.119	0.420	4.000	98.459	-2.00	4.276	98.044	-150.00
-4.178	98.237	-150.00	-4.000	98.505	-2.00	496+0.000	98.585	98.163	0.422	4.000	98.505	-2.00	4.278	98.087	-150.00
-4.202	98.105	-150.00	-4.000	98.407	-2.00	497+0.000	98.487	98.039	0.449	4.000	98.407	-2.00	4.291	97.971	-150.00
-4.163	97.921	-150.00	-4.000	98.166	-2.00	498+0.000	98.246	97.837	0.408	4.000	98.166	-2.00	4.276	97.752	-150.00
-4.143	97.565	-150.00	-4.000	97.780	-2.00	499+0.000	97.860	97.524	0.337	4.000	97.780	-2.00	4.199	97.482	-150.00
-4.144	97.114	-150.00	-4.000	97.331	-2.00	500+0.000	97.411	97.068	0.343	4.000	97.331	-2.00	4.207	97.021	-150.00
-4.222	96.549	-150.00	-4.000	96.882	-2.00	501+0.000	96.962	96.555	0.406	4.000	96.882	-2.00	4.212	96.563	-150.00
-4.214	96.111	-150.00	-4.000	96.432	-2.00	502+0.000	96.512	96.106	0.406	4.000	96.432	-2.00	4.221	96.101	-150.00
-4.194	95.777	-150.00	-4.000	96.067	-2.00	503+0.000	96.147	95.761	0.387	4.000	96.067	-2.00	4.215	95.745	-150.00
-4.198	95.725	-150.00	-4.000	96.022	-2.00	504+0.000	96.102	95.699	0.404	4.000	96.022	-2.00	4.233	95.673	-150.00
-4.259	95.901	-150.00	-4.000	96.290	-2.00	505+0.000	96.370	95.871	0.499	4.000	96.290	-2.00	4.292	95.852	-150.00
-4.251	96.249	-150.00	-4.000	96.626	-2.00	506+0.000	96.706	96.164	0.542	4.000	96.626	-2.00	4.349	96.103	-150.00
-4.207	96.651	-150.00	-4.000	96.962	-2.00	507+0.000	97.042	96.554	0.488	4.000	96.962	-2.00	4.339	96.453	-150.00
-4.162	97.054	-150.00	-4.000	97.298	-2.00	508+0.000	97.378	96.955	0.423	4.000	97.298	-2.00	4.299	96.850	-150.00
-4.141	97.343	-150.00	-4.000	97.554	-2.00	509+0.000	97.634	97.235	0.399	4.000	97.554	-2.00	4.277	97.139	-150.00
-4.085	97.531	-150.00	-4.000	97.659	-2.00	510+0.000	97.739	97.426	0.313	4.000	97.659	-2.00	4.228	97.316	-150.00
-4.101	97.462	-150.00	-4.000	97.613	-2.00	511+0.000	97.693	97.354	0.338	4.000	97.613	-2.00	4.246	97.244	-150.00
-4.129	97.245	-150.00	-4.000	97.439	-2.00	512+0.000	97.519	97.168	0.350	4.000	97.439	-2.00	4.233	97.090	-150.00
-4.218	96.924	-150.00	-4.000	97.250	-2.00	513+0.000	97.330	96.898	0.433	4.000	97.250	-2.00	4.253	96.871	-150.00
-4.176	96.799	-150.00	-4.000	97.062	-2.00	514+0.000	97.142	96.812	0.331	4.000	97.062	-2.00	4.159	96.824	-150.00
-4.217	96.597	-150.00	-4.000	96.922	-2.00	515+0.000	97.002	96.614	0.387	4.000	96.922	-2.00	4.193	96.631	-150.00
-4.196	96.594	-150.00	-4.000	96.889	-2.00	516+0.000	96.969	96.578	0.391	4.000	96.889	-2.00	4.204	96.583	-150.00
-4.216	96.670	-150.00	-4.000	96.993	-2.00	517+0.000	97.073	96.670	0.403	4.000	96.993	-2.00	4.215	96.671	-150.00
-4.225	96.783	-150.00	-4.000	97.121	-2.00	518+0.000	97.201	96.784	0.417	4.000	97.121	-2.00	4.224	96.784	-150.00
-4.229	96.905	-150.00	-4.000	97.248	-2.00	519+0.000	97.328	96.904	0.424	4.000	97.248	-2.00	4.229	96.904	-150.00
-4.223	97.041	-150.00	-4.000	97.376	-2.00	520+0.000	97.456	97.042	0.413	4.000	97.376	-2.00	4.221	97.044	-150.00
-4.235	97.218	-150.00	-4.000	97.571	-2.00	521+0.000	97.651	97.197	0.454	4.000	97.571	-2.00	4.232	97.223	-150.00
-4.214	97.617	-150.00	-4.000	97.938	-2.00	522+0.000	98.018	97.592	0.427	4.000	97.938	-2.00	4.248	97.566	-150.00
-4.208	98.168	-150.00	-4.000	98.479	-2.00	523+0.000	98.559	98.174	0.385	4.000	98.479	-2.00	4.199	98.180	-150.00
-4.137	98.989	-150.00	-4.000	99.194	-2.00	524+0.000	99.274	99.003	0.271	4.000	99.194	-2.00	4.118	99.017	-150.00
-4.152	99.855	-150.00	-4.000	100.082	-2.00	525+0.000	100.162	99.937	0.225	4.000	100.082	-2.00	4.043	100.018	-150.00
-4.270	100.635	-150.00	-4.000	101.040	-2.00	526+0.000	101.120	100.698	0.421	4.000	101.040	-2.00	4.170	100.785	-150.00
-4.277	101.490	-150.00	-4.000	101.906	-2.00	527+0.000	101.986	101.556	0.429	4.000	101.906	-2.00	4.191	101.619	-150.00
-4.313	101.961	-150.00	-4.000	102.431	-2.00	528+0.000	102.511	102.053	0.458	4.000	102.431	-2.00	4.168	102.179	-150.00
-4.319	102.428	-150.00	-4.000	102.907	-2.00	529+0.000	102.987	102.578	0.409	4.000	102.907	-2.00	4.124	102.721	-150.00
-4.278	102.642	-150.00	-4.000	103.059	-2.00	530+0.000	103.139	102.760	0.378	4.000	103.059	-2.00	4.123	102.874	-150.00
-4.248	102.762	-150.00	-4.000	103.134	-2.00	531+0.000	103.214	102.866	0.348	4.000	103.134	-2.00	4.117	102.958	-150.00
-4.268	102.737	-150.00	-4.000	103.139	-2.00	532+0.000	103.219	102.836	0.382	4.000	103.139	-2.00	4.134	102.938	-150.00
-4.254	102.576	-150.00	-4.000	102.958	-2.00	533+0.000	103.038	102.654	0.384	4.000	102.958	-2.00	4.153	102.729	-150.00
-4.239	102.255	-150.00	-4.000	102.614	-2.00	534+0.000	102.694	102.330	0.365	4.000	102.614	-2.00	4.141	102.402	-150.00
-4.258	101.862	-150.00	-4.000	102.249	-2.00	535+0.000	102.329	101.928	0.401	4.000	102.249	-2.00	4.171	101.992	-150.00
-4.224	101.547	-150.00	-4.000	101.883	-2.00	536+0.000	101.963	101.569	0.394	4.000	101.883	-2.00	4.166	101.634	-150.00
-4.196	101.286	-150.00	-4.000	101.579	-2.00	537+0.000	101.659	101.291	0.368	4.000	101.579	-2.00	4.188	101.296	-150.00
-4.255	101.365	-150.00	-4.000	101.747	-2.00	538+0.000	101.827	101.400	0.427	4.000	101.747	-2.00	4.208	101.435	-150.00
-4.331	101.532	-150.00	-4.000	102.029	-2.00	539+0.000	102.109	101.584	0.525	4.000	102.029	-2.00	4.262	101.635	-150.00
-4.311	101.844	-150.00	-4.000	102.311	-2.00	540+0.000	102.391	101.894	0.497	4.000	102.311	-2.00	4.274	101.899	-150.00
-4.267	102.193	-150.00	-4.000	102.593	-2.00	541+0.000	102.673	102.211	0.462	4.000	102.593	-2.00	4.242	102.230	-150.00
-4.190	102.587	-150.00	-4.000	102.873	-2.00	542+0.000	102.953	102.605	0.347	4.000	102.873	-2.00	4.174	102.612	-150.00
-4.194	102.774	-150.00	-4.000	103.066	-2.00	543+0.000	103.146	102.781	0.365	4.000	103.066	-2.00	4.188	102.784	-150.00
-4.202	102.824	-150.00	-4.000	103.128	-2.00	544+0.000	103.208	102.823	0.385	4.000	103.128	-2.00	4.204	102.821	-150.00
-4.209	102.745	-150.00	-4.000	103.059	-2.00	545+0.000	103.139	102.761	0.379	4.000	103.059	-2.00	4.184	102.783	-150.00
-4.192	102.686	-150.00	-4.000	102.974	-2.00	546+0.000	103.054	102.699	0.355	4.000	102.974	-2.00	4.167	102.723	-150.00
-4.233	102.657	-150.00	-4.000	103.007	-2.00	547+0.000	103.087	102.672	0.415	4.000	103.007	-2.00	4.212	102.689	-150.00
-4.193	102.870	-150.00	-4.000	103.159	-2.00	548+0.000	103.239	102.890	0.349	4.000	103.159	-2.00	4.169	102.906	-150.00
-4.207	103.118	-150.00	-4.000	103.429	-2.00	549+0.000	103.509	103.150	0.360	4.000	103.429	-2.00	4.165	103.181	-150.00
-4.193	103.466	-150.00	-4.000	103.756	-2.00	550+0.000	103.836	103.514	0.322	4.000	103.756	-2.00	4.130	103.561	-150.00
-4.164	103.837	-150.00	-4.000	104.083	-2.00	551+0.000	104.163	103.887	0.275	4.000	104.083	-2.00	4.098	103.936	-150.00
-4.167	104.158	-150.00	-4.000	104.409	-2.00	552+0.000	104.489	104.198	0.291	4.000	104.409	-2.00	4.115	104.237	-150.00
-4.234	104.330	-150.00	-4.000	104.680	-2.00	553+0.000	104.760	104.373	0.387	4.000	104.680	-2.00	4.176	104.416	-150.00
-4.242	104.370	-150.00	-4.000	104.732	-2.00	554+0.000	104.812	104.401	0.411	4.000	104.732	-2.00	4.200	104.432	-150.00
-4.178	104.538	-150.00	-4.000	104.805	-2.00	555+0.000	104.885	104.537	0.348	4.000	104.805	-2.00	4.182	104.532	-150.00
-4.160	104.715	-150.00	-4.000	104.955	-2.00	556+0.000	105.035	104.683	0.352	4.000	104.955	-2.00	4.206	104.646	-150.00
-4.123	105.000	-150.00	-4.000	105.185	-2.00	557+0.000	105.265	104.917	0.348	4.000	105.185	-2.00	4.224	104.848	-150.00
-4.180	105.225	-150.00	-4.000	105.495	-2.00	558+0.000	105.575	105.140	0.434	4.000	105.495	-2.00	4.294	105.054	-150.00
-4.165	105.638	-150.00	-4.000	105.885	-2.00	559+0.000	105.965	105.575	0.390	4.000	105.885	-2.00	4.237	105.531	-150.00

Osvaldo Leôncio da Silva
Diretor da Unidade de Programação
Projetos e Obras - DUPRO
Secretaria dos Direitos Sociais

-4.118	106.151	-150.00	-4.000	106.328	-2.00	560+0.000	106.408	106.106	0.302	4.000	106.328	-2.00	4.179	106.060	-150.00
-4.133	106.571	-150.00	-4.000	106.771	-2.00	561+0.000	106.851	106.537	0.314	4.000	106.771	-2.00	4.179	106.502	-150.00
-4.154	106.984	-150.00	-4.000	107.215	-2.00	562+0.000	107.295	106.953	0.342	4.000	107.215	-2.00	4.195	106.922	-150.00
-4.169	107.404	-150.00	-4.000	107.658	-2.00	563+0.000	107.738	107.373	0.365	4.000	107.658	-2.00	4.211	107.341	-150.00
-4.211	107.784	-150.00	-4.000	108.101	-2.00	564+0.000	108.181	107.758	0.423	4.000	108.101	-2.00	4.246	107.732	-150.00
-4.225	108.055	-150.00	-4.000	108.392	-2.00	565+0.000	108.472	108.072	0.400	4.000	108.392	-2.00	4.224	108.056	-150.00
-4.200	108.113	-150.00	-4.000	108.413	-2.00	566+0.000	108.493	108.170	0.323	4.000	108.413	-2.00	4.125	108.226	-150.00
-4.309	107.738	-150.00	-4.000	108.202	-2.00	567+0.000	108.282	107.847	0.435	4.000	108.202	-2.00	4.166	107.953	-150.00
-4.370	107.406	-150.00	-4.000	107.961	-2.00	568+0.000	108.041	107.546	0.495	4.000	107.961	-2.00	4.181	107.689	-150.00
-4.346	107.212	-150.00	-4.000	107.730	-2.00	569+0.000	107.810	107.363	0.447	4.000	107.730	-2.00	4.144	107.514	-150.00
-4.327	107.052	-150.00	-4.000	107.543	-2.00	570+0.000	107.623	107.208	0.415	4.000	107.543	-2.00	4.114	107.372	-150.00
-4.294	106.960	-150.00	-4.000	107.401	-2.00	571+0.000	107.481	107.134	0.347	4.000	107.401	-2.00	4.068	107.299	-150.00
-4.281	106.883	-150.00	-4.000	107.304	-2.00	572+0.000	107.384	107.056	0.328	4.000	107.304	-2.00	4.058	107.218	-150.00
-4.262	106.860	-150.00	-4.000	107.254	-2.00	573+0.000	107.334	107.029	0.305	4.000	107.254	-2.00	4.044	107.188	-150.00
-4.258	106.862	-150.00	-4.000	107.249	-2.00	574+0.000	107.329	107.010	0.319	4.000	107.249	-2.00	4.065	107.151	-150.00
-4.335	106.781	-150.00	-4.000	107.283	-2.00	575+0.000	107.363	106.906	0.457	4.000	107.283	-2.00	4.162	107.040	-150.00
-4.387	106.742	-150.00	-4.000	107.323	-2.00	576+0.000	107.403	106.870	0.533	4.000	107.323	-2.00	4.220	106.994	-150.00
-4.420	106.732	-150.00	-4.000	107.363	-2.00	577+0.000	107.443	106.860	0.583	4.000	107.363	-2.00	4.254	106.982	-150.00
-4.399	106.803	-150.00	-4.000	107.402	-2.00	578+0.000	107.482	106.915	0.568	4.000	107.402	-2.00	4.233	107.053	-150.00
-4.371	106.886	-150.00	-4.000	107.442	-2.00	579+0.000	107.522	107.005	0.517	4.000	107.442	-2.00	4.207	107.131	-150.00
-4.300	107.032	-150.00	-4.000	107.482	-2.00	580+0.000	107.562	107.163	0.399	4.000	107.482	-2.00	4.129	107.290	-150.00
-4.242	107.185	-150.00	-4.000	107.549	-2.00	581+0.000	107.629	107.298	0.330	4.000	107.549	-2.00	4.087	107.418	-150.00
-4.205	107.348	-150.00	-4.000	107.655	-2.00	582+0.000	107.735	107.462	0.274	4.000	107.655	-2.00	4.056	107.571	-150.00
-4.204	107.497	-150.00	-4.000	107.803	-2.00	583+0.000	107.883	107.606	0.277	4.000	107.803	-2.00	4.061	107.711	-150.00
-4.219	107.648	-150.00	-4.000	107.977	-2.00	584+0.000	108.057	107.733	0.323	4.000	107.977	-2.00	4.096	107.833	-150.00
-4.254	107.770	-150.00	-4.000	108.151	-2.00	585+0.000	108.231	107.841	0.390	4.000	108.151	-2.00	4.161	107.910	-150.00
-4.233	108.176	-150.00	-4.000	108.526	-2.00	586+0.000	108.606	108.221	0.385	4.000	108.526	-2.00	4.173	108.266	-150.00
-4.193	108.715	-150.00	-4.000	109.004	-2.00	587+0.000	109.084	108.740	0.344	4.000	109.004	-2.00	4.181	108.733	-150.00
-4.149	109.258	-150.00	-4.000	109.482	-2.00	588+0.000	109.562	109.270	0.292	4.000	109.482	-2.00	4.140	109.273	-150.00
-4.230	109.583	-150.00	-4.000	109.929	-2.00	589+0.000	110.009	109.586	0.423	4.000	109.929	-2.00	4.230	109.584	-150.00
-4.205	109.839	-150.00	-4.000	110.145	-2.00	590+0.000	110.225	109.814	0.412	4.000	110.145	-2.00	4.251	109.770	-150.00
-4.191	109.811	-150.00	-4.000	110.097	-2.00	591+0.000	110.177	109.790	0.387	4.000	110.097	-2.00	4.218	109.769	-150.00
-4.154	109.695	-150.00	-4.000	109.926	-2.00	592+0.000	110.006	109.666	0.340	4.000	109.926	-2.00	4.192	109.637	-150.00
-4.196	109.460	-150.00	-4.000	109.754	-2.00	593+0.000	109.834	109.470	0.365	4.000	109.754	-2.00	4.206	109.446	-150.00
-4.200	109.140	-150.00	-4.000	109.440	-2.00	594+0.000	109.520	109.147	0.373	4.000	109.440	-2.00	4.190	109.154	-150.00
-4.205	108.794	-150.00	-4.000	109.102	-2.00	595+0.000	109.182	108.802	0.380	4.000	109.102	-2.00	4.191	108.815	-150.00
-4.223	108.563	-150.00	-4.000	108.898	-2.00	596+0.000	108.978	108.588	0.390	4.000	108.898	-2.00	4.189	108.614	-150.00
-4.235	108.372	-150.00	-4.000	108.724	-2.00	597+0.000	108.804	108.418	0.386	4.000	108.724	-2.00	4.172	108.466	-150.00
-4.203	108.373	-150.00	-4.000	108.678	-2.00	598+0.000	108.758	108.421	0.336	4.000	108.678	-2.00	4.145	108.460	-150.00
-4.239	108.440	-150.00	-4.000	108.799	-2.00	599+0.000	108.879	108.516	0.363	4.000	108.799	-2.00	4.129	108.605	-150.00
-4.253	108.731	-150.00	-4.000	109.111	-2.00	600+0.000	109.191	108.814	0.377	4.000	109.111	-2.00	4.144	108.894	-150.00
-4.302	109.022	-150.00	-4.000	109.475	-2.00	601+0.000	109.555	109.137	0.417	4.000	109.475	-2.00	4.151	109.248	-150.00
-4.314	109.466	-150.00	-4.000	109.936	-2.00	602+0.000	110.016	109.562	0.455	4.000	109.936	-2.00	4.175	109.674	-150.00
-4.309	109.934	-150.00	-4.000	110.398	-2.00	603+0.000	110.478	110.043	0.435	4.000	110.398	-2.00	4.166	110.149	-150.00
-4.281	110.437	-150.00	-4.000	110.859	-2.00	604+0.000	110.939	110.545	0.394	4.000	110.859	-2.00	4.146	110.641	-150.00
-4.234	110.817	-150.00	-4.000	111.168	-2.00	605+0.000	111.248	110.939	0.309	4.000	111.168	-2.00	4.093	111.028	-150.00
-4.179	111.154	-150.00	-4.000	111.423	-2.00	606+0.000	111.503	111.238	0.265	4.000	111.423	-2.00	4.068	111.321	-150.00
-4.249	111.282	-150.00	-4.000	111.655	-2.00	607+0.000	111.735	111.373	0.361	4.000	111.655	-2.00	4.128	111.462	-150.00
-4.264	111.309	-150.00	-4.000	111.705	-2.00	608+0.000	111.785	111.393	0.392	4.000	111.705	-2.00	4.153	111.475	-150.00
-4.224	111.206	-150.00	-4.000	111.541	-2.00	609+0.000	111.621	111.286	0.336	4.000	111.541	-2.00	4.119	111.363	-150.00
-4.259	110.832	-150.00	-4.000	111.220	-2.00	610+0.000	111.300	110.912	0.387	4.000	111.220	-2.00	4.151	110.993	-150.00
-4.278	110.524	-150.00	-4.000	110.941	-2.00	611+0.000	111.021	110.646	0.375	4.000	110.941	-2.00	4.118	110.764	-150.00
-4.280	110.289	-150.00	-4.000	110.710	-2.00	612+0.000	110.790	110.410	0.380	4.000	110.710	-2.00	4.122	110.527	-150.00
-4.274	110.067	-150.00	-4.000	110.478	-2.00	613+0.000	110.558	110.187	0.372	4.000	110.478	-2.00	4.118	110.302	-150.00
-4.254	109.950	-150.00	-4.000	110.332	-2.00	614+0.000	110.412	110.008	0.404	4.000	110.332	-2.00	4.173	110.072	-150.00
-4.214	110.021	-150.00	-4.000	110.342	-2.00	615+0.000	110.422	110.082	0.340	4.000	110.342	-2.00	4.138	110.135	-150.00
-4.233	110.003	-150.00	-4.000	110.353	-2.00	616+0.000	110.433	110.055	0.378	4.000	110.353	-2.00	4.165	110.106	-150.00
-4.123	110.178	-150.00	-4.000	110.362	-2.00	617+0.000	110.442	110.126	0.316	4.000	110.362	-2.00	4.181	110.091	-150.00
-4.098	110.222	-150.00	-4.000	110.369	-2.00	618+0.000	110.449	110.179	0.270	4.000	110.369	-2.00	4.190	110.084	-150.00
-4.142	110.161	-150.00	-4.000	110.374	-2.00	619+0.000	110.454	110.070	0.384	4.000	110.374	-2.00	4.256	109.990	-150.00
-4.131	109.969	-150.00	-4.000	110.166	-2.00	620+0.000	110.246	109.857	0.389	4.000	110.166	-2.00	4.283	109.741	-150.00
-4.108	109.795	-150.00	-4.000	109.957	-2.00	621+0.000	110.037	109.673	0.364	4.000	109.957	-2.00	4.277	109.542	-150.00
-4.164	109.503	-150.00	-4.000	109.749	-2.00	622+0.000	109.829	109.374	0.455	4.000	109.749	-2.00	4.320	109.270	-150.00
-4.128	109.350	-150.00	-4.000	109.541	-2.00	623+0.000	109.621	109.248	0.373	4.000	109.541	-2.00	4.265	109.144	-150.00
-4.085	109.422	-150.00	-4.000	109.549	-2.00	624+0.000	109.629	109.284	0.345	4.000	109.549	-2.00	4.273	109.140	-150.00
-4.167	109.726	-150.00	-4.000	109.976	-2.00	625+0.000	110.056	109.632	0.425	4.000	109.976	-2.00	4.301	109.525	-150.00
-4.187	110.136	-150.00	-4.000	110.416	-2.00	626+0.000	110.496	110.021	0.475	4.000	110.416	-2.00	4.343	109.901	-150.00
-4.187	110.554	-150.00	-4.000	110.835	-2.00	627+0.000	110.915	110.450	0.465	4.000	110.835	-2.00	4.327	110.345	-150.00
-4.114	110.900	-150.00	-4.000	111.072	-2.00	628+0.000	111.152	110.807	0.344	4.000	111.072	-2.00	4.240	110.711	-150.00
-4.105	110.934	-150.00	-4.000	111.092	-2.00	629+0.000	111.172	110.831	0.341	4.000	111.092	-2.00	4.245	110.724	-150.00
-4.069	110.817	-150.00	-4.000	110.921	-2.00	630+0.000	111.001	110.681	0.319	4.000	110.921	-2.00	4.233	110.571	-150.00
-4.057	110.634	-150.00	-4.000	110.720	-2.00	631+0.000	110.800	110.511	0.289	4.000	110.720	-2.00	4.213	110.401	-150.00
-4.069	110.416	-150.00	-4.000	110.520	-2.00	632+0.000	110.600	110.325	0.275	4.000	110.520	-2.00	4.200	110.220	-150.00
-4.183	110.045	-150.00	-4.000	110.319	-2.00	633+0.000	110.399	109.974	0.425	4.000	110.319	-2.00	4.278	109.902	-150.00
-4.149	109.908	-150.00	-4.000	110.132	-2.00	634+0.000	110.212	109.839	0.373	4.000	110.132	-2.00	4.243	109.768	-150.00
-4.199	109.732	-150.00	-4.000	110.031	-2.00	635+0.000	110.111	109.699	0.412	4.000	110.031	-2.00	4.259	109.643	-150.00
-4.247	109.657	-150.00	-4.000	110.028	-2.00	636+0.000	110.108	109.751	0.357	4.000	110.028	-2.00	4.124	109.843	-150.00
-4.187	109.790	-150.00	-4.000	110.070	-2.00	637+0.000	110.150	109.879	0.271	4.000	110.070	-2.00	4.070	109.966	-150.00
-4.140	109.902	-150.00	-4.000	110.112	-2.00	638+0.000	110.192	110.039	0.153	4.000	110.112	-2.00	4.029	110.132	66.67
-4.154	109.924	-150.00	-4.000	110.155	-2.00	639+0.000	110.235	110.068	0.167	4.000	110.155	-2.00	4.082	110.209	66.67
-4.192	109.908	-150.00	-4.000	110.197	-2.00	640+0.000	110.277	110.097	0.180	4.000	110.197	-2.00	4.164	110.306	66.67

Osvaldo Leôncio da Silva
Diretor da Unidade de Projetos
Projetos e Obras - DUPO
Secretaria

-4.293	109.799	-150.00	-4.000	110.239	-2.00	641+0.000	110.319	110.084	0.235	4.000	110.239	-2.00	4.173	110.354	66.67
-4.391	109.694	-150.00	-4.000	110.281	-2.00	642+0.000	110.361	109.979	0.382	4.000	110.281	-2.00	4.027	110.240	-150.00
-4.428	109.682	-150.00	-4.000	110.323	-2.00	643+0.000	110.403	109.976	0.428	4.000	110.323	-2.00	4.053	110.244	-150.00
-4.429	109.830	-150.00	-4.000	110.473	-2.00	644+0.000	110.553	110.109	0.444	4.000	110.473	-2.00	4.056	110.389	-150.00
-4.515	110.093	-150.00	-4.000	110.866	-2.00	645+0.000	110.946	110.404	0.542	4.000	110.866	-2.00	4.119	110.687	-150.00
-4.459	110.570	-150.00	-4.000	111.258	-2.00	646+0.000	111.338	110.821	0.518	4.000	111.258	-2.00	4.115	111.086	-150.00
-4.380	111.080	-150.00	-4.000	111.651	-2.00	647+0.000	111.731	111.332	0.398	4.000	111.651	-2.00	4.057	111.566	-150.00
-4.337	111.537	-150.00	-4.000	112.043	-2.00	648+0.000	112.123	111.786	0.337	4.000	112.043	-2.00	4.026	112.004	-150.00
-4.329	111.934	-150.00	-4.000	112.427	-2.00	649+0.000	112.507	112.108	0.399	4.000	112.427	-2.00	4.098	112.281	-150.00
-4.267	112.194	-150.00	-4.000	112.594	-2.00	650+0.000	112.674	112.366	0.308	4.000	112.594	-2.00	4.044	112.529	-150.00
-4.324	112.275	-150.00	-4.000	112.761	-2.00	651+0.000	112.841	112.437	0.404	4.000	112.761	-2.00	4.095	112.618	-150.00
-4.295	112.485	-150.00	-4.000	112.928	-2.00	652+0.000	113.008	112.595	0.413	4.000	112.928	-2.00	4.151	112.702	-150.00
-4.234	112.744	-150.00	-4.000	113.095	-2.00	653+0.000	113.175	112.795	0.380	4.000	113.095	-2.00	4.166	112.846	-150.00
-4.171	113.131	-150.00	-4.000	113.388	-2.00	654+0.000	113.468	113.105	0.363	4.000	113.388	-2.00	4.206	113.079	-150.00
-4.164	113.644	-150.00	-4.000	113.890	-2.00	655+0.000	113.970	113.609	0.361	4.000	113.890	-2.00	4.217	113.564	-150.00
-4.116	113.964	-150.00	-4.000	114.139	-2.00	656+0.000	114.219	113.839	0.380	4.000	114.139	-2.00	4.287	113.709	-150.00
-4.101	114.139	-150.00	-4.000	114.290	-2.00	657+0.000	114.370	114.007	0.363	4.000	114.290	-2.00	4.281	113.869	-150.00
-4.031	114.295	-150.00	-4.000	114.342	-2.00	658+0.000	114.422	114.132	0.289	4.000	114.342	-2.00	4.254	113.960	-150.00
			-4.000	114.346	-2.00	659+0.000	114.426	114.175	0.251	4.000	114.346	-2.00	4.235	113.993	-150.00
-4.020	114.320	-150.00	-4.000	114.351	-2.00	660+0.000	114.431	114.125	0.306	4.000	114.351	-2.00	4.300	113.901	-150.00
-4.053	114.276	-150.00	-4.000	114.355	-2.00	661+0.000	114.435	114.052	0.383	4.000	114.355	-2.00	4.363	113.811	-150.00
-4.095	114.217	-150.00	-4.000	114.360	-2.00	662+0.000	114.440	113.986	0.454	4.000	114.360	-2.00	4.415	113.737	-150.00
-4.134	114.163	-150.00	-4.000	114.364	-2.00	663+0.000	114.444	113.998	0.447	4.000	114.364	-2.00	4.358	113.827	-150.00
-4.109	114.205	-150.00	-4.000	114.369	-2.00	664+0.000	114.449	114.008	0.441	4.000	114.369	-2.00	4.367	113.819	-150.00
-4.084	114.248	-150.00	-4.000	114.374	-2.00	665+0.000	114.454	114.047	0.407	4.000	114.374	-2.00	4.351	113.846	-150.00
-4.070	113.844	-150.00	-4.000	113.950	-2.00	666+0.000	114.030	113.648	0.382	4.000	113.950	-2.00	4.341	113.438	-150.00
-4.075	113.330	-150.00	-4.000	113.442	-2.00	667+0.000	113.522	113.144	0.378	4.000	113.442	-2.00	4.338	112.935	-150.00
-4.065	112.647	-150.00	-4.000	112.745	-2.00	668+0.000	112.825	112.464	0.361	4.000	112.745	-2.00	4.292	112.307	-150.00
-4.021	111.945	-150.00	-4.000	111.976	-2.00	669+0.000	112.056	111.835	0.222	4.000	111.976	-2.00	4.185	111.699	-150.00
-4.082	111.085	-150.00	-4.000	111.208	-2.00	670+0.000	111.288	110.973	0.315	4.000	111.208	-2.00	4.234	110.857	-150.00
-4.147	110.318	-150.00	-4.000	110.538	-2.00	671+0.000	110.618	110.241	0.377	4.000	110.538	-2.00	4.245	110.170	-150.00
-4.143	109.874	-150.00	-4.000	110.088	-2.00	672+0.000	110.168	109.792	0.376	4.000	110.088	-2.00	4.248	109.717	-150.00
-4.130	109.472	-150.00	-4.000	109.667	-2.00	673+0.000	109.747	109.374	0.373	4.000	109.667	-2.00	4.249	109.294	-150.00
-4.196	109.231	-150.00	-4.000	109.525	-2.00	674+0.000	109.605	109.185	0.420	4.000	109.525	-2.00	4.258	109.138	-150.00
-4.214	109.109	-150.00	-4.000	109.429	-2.00	675+0.000	109.509	109.052	0.457	4.000	109.429	-2.00	4.290	108.994	-150.00
-4.208	109.020	-150.00	-4.000	109.333	-2.00	676+0.000	109.413	108.962	0.451	4.000	109.333	-2.00	4.287	108.902	-150.00
-4.165	108.989	-150.00	-4.000	109.237	-2.00	677+0.000	109.317	108.915	0.403	4.000	109.237	-2.00	4.266	108.839	-150.00
-4.110	109.088	-150.00	-4.000	109.253	-2.00	678+0.000	109.333	109.027	0.306	4.000	109.253	-2.00	4.193	108.964	-150.00
-4.136	109.017	-150.00	-4.000	109.220	-2.00	679+0.000	109.300	108.973	0.328	4.000	109.220	-2.00	4.225	108.883	-150.00
-4.085	108.756	-150.00	-4.000	108.883	-2.00	680+0.000	108.963	108.662	0.302	4.000	108.883	-2.00	4.213	108.564	-150.00
-4.060	108.388	-150.00	-4.000	108.479	-2.00	681+0.000	108.559	108.286	0.273	4.000	108.479	-2.00	4.196	108.184	-150.00
-4.062	107.981	-150.00	-4.000	108.074	-2.00	682+0.000	108.154	107.888	0.266	4.000	108.074	-2.00	4.189	107.791	-150.00
-4.106	107.510	-150.00	-4.000	107.669	-2.00	683+0.000	107.749	107.417	0.333	4.000	107.669	-2.00	4.238	107.313	-150.00
-4.169	107.011	-150.00	-4.000	107.265	-2.00	684+0.000	107.345	106.964	0.380	4.000	107.265	-2.00	4.232	106.917	-150.00
-4.211	106.543	-150.00	-4.000	106.860	-2.00	685+0.000	106.940	106.497	0.443	4.000	106.860	-2.00	4.273	106.450	-150.00
-4.241	106.093	-150.00	-4.000	106.455	-2.00	686+0.000	106.535	106.059	0.477	4.000	106.455	-2.00	4.288	106.023	-150.00
-4.165	105.852	-150.00	-4.000	106.099	-2.00	687+0.000	106.179	105.797	0.383	4.000	106.099	-2.00	4.224	105.763	-150.00
-4.129	105.772	-150.00	-4.000	105.966	-2.00	688+0.000	106.046	105.792	0.254	4.000	105.966	-2.00	4.103	105.812	-150.00
-4.122	105.651	-150.00	-4.000	105.834	-2.00	689+0.000	105.914	105.688	0.226	4.000	105.834	-2.00	4.073	105.724	-150.00
-4.163	105.456	-150.00	-4.000	105.701	-2.00	690+0.000	105.781	105.493	0.288	4.000	105.701	-2.00	4.115	105.528	-150.00
-4.227	105.222	-150.00	-4.000	105.563	-2.00	691+0.000	105.643	105.259	0.383	4.000	105.563	-2.00	4.178	105.296	-150.00
-4.198	104.986	-150.00	-4.000	105.282	-2.00	692+0.000	105.362	105.004	0.358	4.000	105.282	-2.00	4.174	105.022	-150.00
-4.204	104.696	-150.00	-4.000	105.002	-2.00	693+0.000	105.082	104.713	0.369	4.000	105.002	-2.00	4.181	104.730	-150.00
-4.180	104.452	-150.00	-4.000	104.722	-2.00	694+0.000	104.802	104.463	0.339	4.000	104.722	-2.00	4.169	104.469	-150.00
-4.183	104.167	-150.00	-4.000	104.442	-2.00	695+0.000	104.522	104.167	0.355	4.000	104.442	-2.00	4.184	104.166	-150.00
-4.186	103.883	-150.00	-4.000	104.162	-2.00	696+0.000	104.242	103.882	0.360	4.000	104.162	-2.00	4.173	103.902	-150.00
-4.219	103.795	-150.00	-4.000	104.123	-2.00	697+0.000	104.203	103.802	0.400	4.000	104.123	-2.00	4.202	103.820	-150.00
-4.283	103.895	-150.00	-4.000	104.320	-2.00	698+0.000	104.400	103.902	0.497	4.000	104.320	-2.00	4.273	103.910	-150.00
-4.276	104.129	-150.00	-4.000	104.543	-2.00	699+0.000	104.623	104.154	0.469	4.000	104.543	-2.00	4.243	104.180	-150.00
-4.234	104.628	-150.00	-4.000	104.979	-2.00	700+0.000	105.059	104.647	0.411	4.000	104.979	-2.00	4.208	104.666	-150.00
-4.269	105.203	-150.00	-4.000	105.607	-2.00	701+0.000	105.687	105.250	0.436	4.000	105.607	-2.00	4.206	105.297	-150.00
-4.248	105.877	-150.00	-4.000	106.249	-2.00	702+0.000	106.329	105.915	0.414	4.000	106.249	-2.00	4.198	105.953	-150.00
-4.187	106.611	-150.00	-4.000	106.892	-2.00	703+0.000	106.972	106.650	0.322	4.000	106.892	-2.00	4.136	106.688	-150.00
-4.243	107.169	-150.00	-4.000	107.534	-2.00	704+0.000	107.614	107.225	0.390	4.000	107.534	-2.00	4.182	107.261	-150.00
-4.219	107.664	-150.00	-4.000	107.992	-2.00	705+0.000	108.072	107.668	0.405	4.000	107.992	-2.00	4.207	107.682	-150.00
-4.113	107.943	-150.00	-4.000	108.113	-2.00	706+0.000	108.193	107.943	0.250	4.000	108.113	-2.00	4.113	107.943	-150.00
-4.149	107.989	-150.00	-4.000	108.212	-2.00	707+0.000	108.292	108.021	0.272	4.000	108.212	-2.00	4.107	108.052	-150.00
-4.230	107.902	-150.00	-4.000	108.248	-2.00	708+0.000	108.328	107.937	0.391	4.000	108.248	-2.00	4.184	107.972	-150.00
-4.223	107.661	-150.00	-4.000	107.996	-2.00	709+0.000	108.076	107.695	0.381	4.000	107.996	-2.00	4.182	107.722	-150.00
-4.226	107.341	-150.00	-4.000	107.680	-2.00	710+0.000	107.760	107.379	0.381	4.000	107.680	-2.00	4.176	107.416	-150.00
-4.247	106.994	-150.00	-4.000	107.364	-2.00	711+0.000	107.444	106.996	0.448	4.000	107.364	-2.00	4.243	107.000	-150.00
-4.223	106.714	-150.00	-4.000	107.048	-2.00	712+0.000	107.128	106.707	0.421	4.000	107.048	-2.00	4.231	106.701	-150.00
-4.194	106.485	-150.00	-4.000	106.776	-2.00	713+0.000	106.856	106.488	0.368	4.000	106.776	-2.00	4.131	106.579	-150.00
-4.160	106.681	-150.00	-4.000	106.922	-2.00	714+0.000	107.002	106.727	0.275	4.000	106.922	-2.00	4.100	106.772	-150.00
-4.148	106.891	-150.00	-4.000	107.114	-2.00	715+0.000	107.194	106.872	0.322	4.000	107.114	-2.00	4.174	106.852	-150.00
-4.131	107.110	-150.00	-4.000	107.306	-2.00	716+0.000	107.386	107.056	0.331	4.000	107.306	-2.00	4.204	107.000	-150.00
-4.233	107.414	-150.00	-4.000	107.763	-2.00	717+0.000	107.843	107.324	0.519	4.000	107.763	-2.00	4.299	107.315	-150.00
-4.320	107.898	-150.00	-4.000	108.378	-2.00	718+0.000	108.458	107.885	0.574	4.000	108.378	-2.00	4.335	107.876	-150.00
-4.265	108.596	-150.00	-4.000	108.993	-2.00	719+0.000	109.073	108.546	0.528	4.000	108.993	-2.00	4.328	108.501	-150.00
-4.203	109.304	-150.00	-4.000	109.609	-2.00	720+0.000	109.689	109.254	0.435	4.000	109.609	-2.00	4.270	109.203	-150.00
-4.089	110.020	-150.00	-4.000	110.154	-2.00	721+0.000	110.234	109.969	0.265	4.000	110.154	-2.00	4.162	109.911	-150.00

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Projetos
Projetos e Obras - DUSEP
Secretaria das Cidades (Secid)

-4.084	126.082	-150.00	-4.000	126.208	-2.00	884+0.000	126.288	125.905	0.383	4.000	126.208	-2.00	4.327	125.718	-150.00
-4.112	126.341	-150.00	-4.000	126.509	-2.00	885+0.000	126.589	126.186	0.403	4.000	126.509	-2.00	4.324	126.023	-150.00
-4.123	126.487	-150.00	-4.000	126.672	-2.00	886+0.000	126.752	126.326	0.426	4.000	126.672	-2.00	4.340	126.162	-150.00
-4.126	126.646	-150.00	-4.000	126.835	-2.00	887+0.000	126.915	126.483	0.432	4.000	126.835	-2.00	4.349	126.311	-150.00
-4.110	126.836	-150.00	-4.000	127.002	-2.00	888+0.000	127.082	126.679	0.403	4.000	127.002	-2.00	4.326	126.513	-150.00
-4.133	127.067	-150.00	-4.000	127.267	-2.00	889+0.000	127.347	126.910	0.437	4.000	127.267	-2.00	4.348	126.745	-150.00
-4.180	127.263	-150.00	-4.000	127.533	-2.00	890+0.000	127.613	127.146	0.467	4.000	127.533	-2.00	4.343	127.018	-150.00
-4.190	127.513	-150.00	-4.000	127.799	-2.00	891+0.000	127.879	127.415	0.464	4.000	127.799	-2.00	4.324	127.313	-150.00
-4.185	127.788	-150.00	-4.000	128.065	-2.00	892+0.000	128.145	127.688	0.457	4.000	128.065	-2.00	4.320	127.585	-150.00
-4.179	128.121	-150.00	-4.000	128.390	-2.00	893+0.000	128.470	128.027	0.444	4.000	128.390	-2.00	4.302	127.937	-150.00
-4.164	128.537	-150.00	-4.000	128.783	-2.00	894+0.000	128.863	128.446	0.417	4.000	128.783	-2.00	4.278	128.367	-150.00
-4.125	128.988	-150.00	-4.000	129.176	-2.00	895+0.000	129.256	128.897	0.359	4.000	129.176	-2.00	4.248	128.803	-150.00
-4.181	129.184	-150.00	-4.000	129.455	-2.00	896+0.000	129.535	129.120	0.415	4.000	129.455	-2.00	4.267	129.054	-150.00
-4.199	129.374	-150.00	-4.000	129.673	-2.00	897+0.000	129.753	129.334	0.418	4.000	129.673	-2.00	4.258	129.286	-150.00
-4.205	129.584	-150.00	-4.000	129.890	-2.00	898+0.000	129.970	129.548	0.422	4.000	129.890	-2.00	4.252	129.513	-150.00
-4.187	129.860	-150.00	-4.000	130.140	-2.00	899+0.000	130.220	129.814	0.406	4.000	130.140	-2.00	4.245	129.773	-150.00
-4.194	130.286	-150.00	-4.000	130.576	-2.00	900+0.000	130.656	130.253	0.403	4.000	130.576	-2.00	4.217	130.250	-150.00
-4.214	130.691	-150.00	-4.000	131.012	-2.00	901+0.000	131.092	130.698	0.394	4.000	131.012	-2.00	4.199	130.713	-150.00
-4.235	131.081	-150.00	-4.000	131.434	-2.00	902+0.000	131.514	131.113	0.402	4.000	131.434	-2.00	4.209	131.121	-150.00
-4.250	131.251	-150.00	-4.000	131.626	-2.00	903+0.000	131.706	131.285	0.421	4.000	131.626	-2.00	4.205	131.318	-150.00
-4.262	131.268	-150.00	-4.000	131.661	-2.00	904+0.000	131.741	131.336	0.405	4.000	131.661	-2.00	4.149	131.438	-150.00
-4.255	131.023	-150.00	-4.000	131.405	-2.00	905+0.000	131.485	131.091	0.394	4.000	131.405	-2.00	4.165	131.157	-150.00
-4.272	130.497	-150.00	-4.000	130.905	-2.00	906+0.000	130.985	130.612	0.374	4.000	130.905	-2.00	4.122	130.723	-150.00
-4.271	129.885	-150.00	-4.000	130.291	-2.00	907+0.000	130.371	130.001	0.371	4.000	130.291	-2.00	4.117	130.115	-150.00
-4.274	129.266	-150.00	-4.000	129.677	-2.00	908+0.000	129.757	129.386	0.371	4.000	129.677	-2.00	4.117	129.502	-150.00
-4.313	128.802	-150.00	-4.000	129.271	-2.00	909+0.000	129.351	128.916	0.435	4.000	129.271	-2.00	4.163	129.026	-150.00
-4.264	128.530	-150.00	-4.000	128.926	-2.00	910+0.000	129.006	128.643	0.364	4.000	128.926	-2.00	4.117	128.752	-150.00
-4.291	128.355	-150.00	-4.000	128.791	-2.00	911+0.000	128.871	128.464	0.407	4.000	128.791	-2.00	4.137	128.585	-150.00
-4.283	128.299	-150.00	-4.000	128.723	-2.00	912+0.000	128.803	128.407	0.396	4.000	128.723	-2.00	4.141	128.512	-150.00
-4.267	128.224	-150.00	-4.000	128.623	-2.00	913+0.000	128.703	128.319	0.384	4.000	128.623	-2.00	4.141	128.412	-150.00
-4.262	127.991	-150.00	-4.000	128.383	-2.00	914+0.000	128.463	128.077	0.386	4.000	128.383	-2.00	4.120	128.203	-150.00
-4.261	127.839	-150.00	-4.000	128.229	-2.00	915+0.000	128.309	127.925	0.384	4.000	128.229	-2.00	4.147	128.010	-150.00
-4.282	127.587	-150.00	-4.000	128.010	-2.00	916+0.000	128.090	127.701	0.389	4.000	128.010	-2.00	4.133	127.810	-150.00
-4.280	127.192	-150.00	-4.000	127.613	-2.00	917+0.000	127.693	127.296	0.397	4.000	127.613	-2.00	4.138	127.405	-150.00
-4.252	126.785	-150.00	-4.000	127.163	-2.00	918+0.000	127.243	126.866	0.377	4.000	127.163	-2.00	4.146	126.944	-150.00
-4.222	126.327	-150.00	-4.000	126.660	-2.00	919+0.000	126.740	126.364	0.376	4.000	126.660	-2.00	4.173	126.400	-150.00
-4.211	125.642	-150.00	-4.000	125.959	-2.00	920+0.000	126.039	125.721	0.318	4.000	125.959	-2.00	4.107	125.799	-150.00
-4.222	124.909	-150.00	-4.000	125.243	-2.00	921+0.000	125.323	124.987	0.336	4.000	125.243	-2.00	4.120	125.063	-150.00
-4.207	124.215	-150.00	-4.000	124.526	-2.00	922+0.000	124.606	124.293	0.312	4.000	124.526	-2.00	4.104	124.370	-150.00
-4.222	123.476	-150.00	-4.000	123.809	-2.00	923+0.000	123.889	123.545	0.345	4.000	123.809	-2.00	4.124	123.623	-150.00
-4.189	122.808	-150.00	-4.000	123.092	-2.00	924+0.000	123.172	122.867	0.306	4.000	123.092	-2.00	4.112	122.924	-150.00
-4.193	122.086	-150.00	-4.000	122.376	-2.00	925+0.000	122.456	122.113	0.343	4.000	122.376	-2.00	4.157	122.140	-150.00
-4.209	121.346	-150.00	-4.000	121.659	-2.00	926+0.000	121.739	121.372	0.367	4.000	121.659	-2.00	4.175	121.397	-150.00
-4.170	120.681	-150.00	-4.000	120.936	-2.00	927+0.000	121.016	120.681	0.335	4.000	120.936	-2.00	4.170	120.680	-150.00
-4.208	119.899	-150.00	-4.000	120.210	-2.00	928+0.000	120.290	119.897	0.393	4.000	120.210	-2.00	4.217	119.885	-150.00
-4.168	119.234	-150.00	-4.000	119.485	-2.00	929+0.000	119.565	119.185	0.380	4.000	119.485	-2.00	4.252	119.107	-150.00
-4.140	118.550	-150.00	-4.000	118.760	-2.00	930+0.000	118.840	118.467	0.372	4.000	118.760	-2.00	4.257	118.374	-150.00
-4.163	117.843	-150.00	-4.000	118.088	-2.00	931+0.000	118.168	117.756	0.412	4.000	118.088	-2.00	4.284	117.662	-150.00
-4.173	117.184	-150.00	-4.000	117.444	-2.00	932+0.000	117.524	117.154	0.369	4.000	117.444	-2.00	4.212	117.125	-150.00
-4.154	116.591	-150.00	-4.000	116.822	-2.00	933+0.000	116.902	116.562	0.340	4.000	116.822	-2.00	4.193	116.532	-150.00
-4.119	116.114	-150.00	-4.000	116.293	-2.00	934+0.000	116.373	116.075	0.298	4.000	116.293	-2.00	4.172	116.035	-150.00
-4.129	115.606	-150.00	-4.000	115.800	-2.00	935+0.000	115.880	115.564	0.316	4.000	115.800	-2.00	4.183	115.526	-150.00
-4.161	115.066	-150.00	-4.000	115.308	-2.00	936+0.000	115.388	115.021	0.367	4.000	115.308	-2.00	4.222	114.975	-150.00
-4.135	114.613	-150.00	-4.000	114.815	-2.00	937+0.000	114.895	114.566	0.329	4.000	114.815	-2.00	4.212	114.498	-150.00
-4.149	114.184	-150.00	-4.000	114.408	-2.00	938+0.000	114.488	114.109	0.378	4.000	114.408	-2.00	4.250	114.033	-150.00
-4.156	113.927	-150.00	-4.000	114.160	-2.00	939+0.000	114.240	113.863	0.378	4.000	114.160	-2.00	4.242	113.797	-150.00
-4.168	113.661	-150.00	-4.000	113.913	-2.00	940+0.000	113.993	113.603	0.390	4.000	113.913	-2.00	4.246	113.544	-150.00
-4.156	113.431	-150.00	-4.000	113.666	-2.00	941+0.000	113.746	113.374	0.372	4.000	113.666	-2.00	4.234	113.315	-150.00
-4.158	113.182	-150.00	-4.000	113.419	-2.00	942+0.000	113.499	113.136	0.363	4.000	113.419	-2.00	4.226	113.080	-150.00
-4.177	112.732	-150.00	-4.000	112.998	-2.00	943+0.000	113.078	112.690	0.388	4.000	112.998	-2.00	4.233	112.648	-150.00
-4.175	112.225	-150.00	-4.000	112.488	-2.00	944+0.000	112.568	112.173	0.395	4.000	112.488	-2.00	4.243	112.124	-150.00
-4.212	111.729	-150.00	-4.000	112.047	-2.00	945+0.000	112.127	111.676	0.450	4.000	112.047	-2.00	4.258	111.659	-150.00
-4.295	111.237	-150.00	-4.000	111.681	-2.00	946+0.000	111.761	111.288	0.473	4.000	111.681	-2.00	4.229	111.337	-150.00
-4.236	110.963	-150.00	-4.000	111.316	-2.00	947+0.000	111.396	111.012	0.384	4.000	111.316	-2.00	4.170	111.061	-150.00
-4.203	111.056	-150.00	-4.000	111.360	-2.00	948+0.000	111.440	111.070	0.370	4.000	111.360	-2.00	4.184	111.084	-150.00
-4.199	111.267	-150.00	-4.000	111.565	-2.00	949+0.000	111.645	111.251	0.394	4.000	111.565	-2.00	4.198	111.269	-150.00
-4.245	111.746	-150.00	-4.000	112.114	-2.00	950+0.000	112.194	111.782	0.412	4.000	112.114	-2.00	4.198	111.817	-150.00
-4.249	112.178	-150.00	-4.000	112.552	-2.00	951+0.000	112.632	112.202	0.430	4.000	112.552	-2.00	4.217	112.226	-150.00
-4.216	112.649	-150.00	-4.000	112.972	-2.00	952+0.000	113.052	112.629	0.424	4.000	112.972	-2.00	4.227	112.632	-150.00
-4.213	112.778	-150.00	-4.000	113.097	-2.00	953+0.000	113.177	112.758	0.419	4.000	113.097	-2.00	4.224	112.761	-150.00
-4.213	112.697	-150.00	-4.000	113.016	-2.00	954+0.000	113.096	112.706	0.390	4.000	113.016	-2.00	4.203	112.712	-150.00
-4.201	112.562	-150.00	-4.000	112.863	-2.00	955+0.000	112.943	112.516	0.427	4.000	112.863	-2.00	4.233	112.514	-150.00
-4.167	112.434	-150.00	-4.000	112.684	-2.00	956+0.000	112.764	112.377	0.387	4.000	112.684	-2.00	4.243	112.319	-150.00
-4.218	112.080	-150.00	-4.000	112.408	-2.00	957+0.000	112.488	112.037	0.451	4.000	112.408	-2.00	4.276	111.994	-150.00
-4.187	111.851	-150.00	-4.000	112.132	-2.00	958+0.000	112.212	111.796	0.415	4.000	112.132	-2.00	4.260	111.741	-150.00
-4.189	111.573	-150.00	-4.000	111.856	-2.00	959+0.000	111.936	111.499	0.437	4.000	111.856	-2.00	4.282	111.433	-150.00
-4.169	111.385	-150.00	-4.000	111.638	-2.00	960+0.000	111.718	111.308	0.411	4.000	111.638	-2.00	4.277	111.223	-150.00
-4.166	111.264	-150.00	-4.000	111.513	-2.00	961+0.000	111.593	111.159	0.434	4.000	111.513	-2.00	4.308	111.050	-150.00
-4.108	111.172	-150.00	-4.000	111.334	-2.00	962+0.000	111.414	111.038	0.376	4.000	111.334	-2.00	4.290	110.899	-150.00
-4.121	110.733	-150.00	-4.000	110.914	-2.00	963+0.000	110.994	110.604	0.390	4.000	110.914	-2.00	4.296	110.469	-150.00
-4.142	110.285	-150.00	-4.000	110.498	-2.00	964+0.000	110.578	110.173	0.405	4.000	110.498	-2.00	4.240	110.138	-150.00

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Projetos
Projetos e Obras - DAER
Secretaria dos Portos (Secoi)

-4.178	110.224	-150.00	-4.000	110.491	-2.00	965+0.000	110.571	110.183	0.389	4.000	110.491	-2.00	4.234	110.140	-150.00
-4.206	110.238	-150.00	-4.000	110.548	-2.00	966+0.000	110.628	110.203	0.424	4.000	110.548	-2.00	4.253	110.168	-150.00
-4.209	110.290	-150.00	-4.000	110.604	-2.00	967+0.000	110.684	110.269	0.415	4.000	110.604	-2.00	4.238	110.247	-150.00
-4.281	110.335	-150.00	-4.000	110.757	-2.00	968+0.000	110.837	110.416	0.421	4.000	110.757	-2.00	4.172	110.499	-150.00
-4.271	110.517	-150.00	-4.000	110.924	-2.00	969+0.000	111.004	110.601	0.403	4.000	110.924	-2.00	4.161	110.683	-150.00
-4.265	110.537	-150.00	-4.000	110.935	-2.00	970+0.000	111.015	110.639	0.376	4.000	110.935	-2.00	4.131	110.738	-150.00
-4.242	110.550	-150.00	-4.000	110.912	-2.00	971+0.000	110.992	110.643	0.349	4.000	110.912	-2.00	4.106	110.753	-150.00
-4.237	110.533	-150.00	-4.000	110.889	-2.00	972+0.000	110.969	110.674	0.295	4.000	110.889	-2.00	4.054	110.808	-150.00
-4.267	110.465	-150.00	-4.000	110.866	-2.00	973+0.000	110.946	110.584	0.362	4.000	110.866	-2.00	4.111	110.699	-150.00
-4.256	110.460	-150.00	-4.000	110.843	-2.00	974+0.000	110.923	110.518	0.405	4.000	110.843	-2.00	4.154	110.613	-150.00
-4.276	110.465	-150.00	-4.000	110.879	-2.00	975+0.000	110.959	110.524	0.436	4.000	110.879	-2.00	4.202	110.577	-150.00
-4.312	110.469	-150.00	-4.000	110.937	-2.00	976+0.000	111.017	110.512	0.505	4.000	110.937	-2.00	4.248	110.566	-150.00
-4.250	110.620	-150.00	-4.000	110.995	-2.00	977+0.000	111.075	110.623	0.452	4.000	110.995	-2.00	4.223	110.661	-150.00
-4.205	110.909	-150.00	-4.000	111.215	-2.00	978+0.000	111.295	110.886	0.409	4.000	111.215	-2.00	4.229	110.871	-150.00
-4.249	111.405	-150.00	-4.000	111.778	-2.00	979+0.000	111.858	111.450	0.408	4.000	111.778	-2.00	4.187	111.497	-150.00
-4.260	111.975	-150.00	-4.000	112.365	-2.00	980+0.000	112.445	112.030	0.416	4.000	112.365	-2.00	4.189	112.081	-150.00
-4.261	112.555	-150.00	-4.000	112.947	-2.00	981+0.000	113.027	112.607	0.420	4.000	112.947	-2.00	4.192	112.658	-150.00
-4.289	112.886	-150.00	-4.000	113.319	-2.00	982+0.000	113.399	112.979	0.420	4.000	113.319	-2.00	4.177	113.053	-150.00
-4.238	112.820	-150.00	-4.000	113.176	-2.00	983+0.000	113.256	112.870	0.386	4.000	113.176	-2.00	4.171	112.919	-150.00
-4.165	112.453	-150.00	-4.000	112.701	-2.00	984+0.000	112.781	112.497	0.284	4.000	112.701	-2.00	4.107	112.540	-150.00
-4.186	111.861	-150.00	-4.000	112.140	-2.00	985+0.000	112.220	111.850	0.369	4.000	112.140	-2.00	4.180	111.870	-150.00
-4.156	111.222	-150.00	-4.000	111.456	-2.00	986+0.000	111.536	111.192	0.344	4.000	111.456	-2.00	4.196	111.162	-150.00
-4.200	110.472	-150.00	-4.000	110.772	-2.00	987+0.000	110.852	110.438	0.414	4.000	110.772	-2.00	4.246	110.403	-150.00
-4.176	109.866	-150.00	-4.000	110.130	-2.00	988+0.000	110.210	109.861	0.349	4.000	110.130	-2.00	4.189	109.847	-150.00
-4.185	109.302	-150.00	-4.000	109.580	-2.00	989+0.000	109.660	109.293	0.366	4.000	109.580	-2.00	4.194	109.289	-150.00
-4.198	108.923	-150.00	-4.000	109.220	-2.00	990+0.000	109.300	108.897	0.403	4.000	109.220	-2.00	4.229	108.877	-150.00
-4.227	108.593	-150.00	-4.000	108.934	-2.00	991+0.000	109.014	108.577	0.436	4.000	108.934	-2.00	4.248	108.562	-150.00
-4.221	108.316	-150.00	-4.000	108.647	-2.00	992+0.000	108.727	108.309	0.418	4.000	108.647	-2.00	4.230	108.302	-150.00
-4.216	108.037	-150.00	-4.000	108.361	-2.00	993+0.000	108.441	108.036	0.405	4.000	108.361	-2.00	4.217	108.035	-150.00
-4.162	107.866	-150.00	-4.000	108.109	-2.00	994+0.000	108.189	107.798	0.391	4.000	108.109	-2.00	4.205	107.802	-150.00
-4.167	107.843	-150.00	-4.000	108.093	-2.00	995+0.000	108.173	107.789	0.384	4.000	108.093	-2.00	4.239	107.735	-150.00
-4.225	107.742	-150.00	-4.000	108.079	-2.00	996+0.000	108.159	107.715	0.445	4.000	108.079	-2.00	4.262	107.687	-150.00
-4.215	107.743	-150.00	-4.000	108.066	-2.00	997+0.000	108.146	107.741	0.405	4.000	108.066	-2.00	4.210	107.750	-150.00
-4.206	108.105	-150.00	-4.000	108.414	-2.00	998+0.000	108.494	108.113	0.381	4.000	108.414	-2.00	4.179	108.145	-150.00
-4.184	108.623	-150.00	-4.000	108.899	-2.00	999+0.000	108.979	108.641	0.338	4.000	108.899	-2.00	4.157	108.664	-150.00
-4.170	109.128	-150.00	-4.000	109.383	-2.00	1000+0.000	109.463	109.156	0.307	4.000	109.383	-2.00	4.135	109.180	-150.00
-4.202	109.565	-150.00	-4.000	109.868	-2.00	1001+0.000	109.948	109.589	0.358	4.000	109.868	-2.00	4.169	109.614	-150.00
-4.242	109.967	-150.00	-4.000	110.330	-2.00	1002+0.000	110.410	109.995	0.415	4.000	110.330	-2.00	4.194	110.039	-150.00
-4.154	110.101	-150.00	-4.000	110.333	-2.00	1003+0.000	110.413	110.061	0.351	4.000	110.333	-2.00	4.207	110.022	-150.00
-4.090	110.094	-150.00	-4.000	110.230	-2.00	1004+0.000	110.310	110.039	0.270	4.000	110.230	-2.00	4.164	109.983	-150.00
-4.129	109.933	-150.00	-4.000	110.127	-2.00	1005+0.000	110.207	109.861	0.346	4.000	110.127	-2.00	4.226	109.787	-150.00
-4.171	109.767	-150.00	-4.000	110.023	-2.00	1006+0.000	110.103	109.694	0.410	4.000	110.023	-2.00	4.270	109.619	-150.00
-4.147	109.780	-150.00	-4.000	110.001	-2.00	1007+0.000	110.081	109.658	0.423	4.000	110.001	-2.00	4.313	109.531	-150.00
-4.090	109.773	-150.00	-4.000	109.907	-2.00	1008+0.000	109.987	109.604	0.384	4.000	109.907	-2.00	4.321	109.426	-150.00
-4.067	109.523	-150.00	-4.000	109.623	-2.00	1009+0.000	109.703	109.324	0.379	4.000	109.623	-2.00	4.314	109.153	-150.00
-4.082	109.483	-150.00	-4.000	109.606	-2.00	1010+0.000	109.686	109.285	0.401	4.000	109.606	-2.00	4.355	109.074	-150.00
-4.136	109.158	-150.00	-4.000	109.362	-2.00	1011+0.000	109.442	108.984	0.458	4.000	109.362	-2.00	4.375	108.799	-150.00
-4.116	108.888	-150.00	-4.000	109.063	-2.00	1012+0.000	109.143	108.773	0.371	4.000	109.063	-2.00	4.274	108.652	-150.00
-4.131	108.579	-150.00	-4.000	108.775	-2.00	1013+0.000	108.855	108.462	0.394	4.000	108.775	-2.00	4.283	108.351	-150.00
-4.158	108.541	-150.00	-4.000	108.779	-2.00	1014+0.000	108.859	108.451	0.408	4.000	108.779	-2.00	4.264	108.382	-150.00
-4.120	108.602	-150.00	-4.000	108.782	-2.00	1015+0.000	108.862	108.536	0.327	4.000	108.782	-2.00	4.213	108.462	-150.00
-4.116	108.612	-150.00	-4.000	108.786	-2.00	1016+0.000	108.866	108.509	0.357	4.000	108.786	-2.00	4.247	108.415	-150.00
-4.137	108.579	-150.00	-4.000	108.785	-2.00	1017+0.000	108.865	108.479	0.386	4.000	108.785	-2.00	4.276	108.371	-150.00
-4.090	108.428	-150.00	-4.000	108.563	-2.00	1018+0.000	108.643	108.328	0.316	4.000	108.563	-2.00	4.226	108.225	-150.00
-4.086	108.207	-150.00	-4.000	108.335	-2.00	1019+0.000	108.415	108.100	0.316	4.000	108.335	-2.00	4.231	107.989	-150.00
-4.121	107.926	-150.00	-4.000	108.107	-2.00	1020+0.000	108.187	107.818	0.370	4.000	108.107	-2.00	4.266	107.709	-150.00
-4.159	107.641	-150.00	-4.000	107.879	-2.00	1021+0.000	107.959	107.561	0.398	4.000	107.879	-2.00	4.276	107.465	-150.00
-4.232	107.282	-150.00	-4.000	107.631	-2.00	1022+0.000	107.711	107.244	0.466	4.000	107.631	-2.00	4.283	107.206	-150.00
-4.283	106.953	-150.00	-4.000	107.377	-2.00	1023+0.000	107.457	106.955	0.502	4.000	107.377	-2.00	4.280	106.957	-150.00
-4.218	106.796	-150.00	-4.000	107.123	-2.00	1024+0.000	107.203	106.823	0.381	4.000	107.123	-2.00	4.193	106.834	-150.00
-4.250	106.493	-150.00	-4.000	106.867	-2.00	1025+0.000	106.947	106.570	0.377	4.000	106.867	-2.00	4.148	106.645	-150.00
-4.238	106.222	-150.00	-4.000	106.578	-2.00	1026+0.000	106.658	106.304	0.354	4.000	106.578	-2.00	4.129	106.384	-150.00
-4.259	105.902	-150.00	-4.000	106.289	-2.00	1027+0.000	106.369	106.000	0.369	4.000	106.289	-2.00	4.114	106.119	-150.00
-4.321	105.569	-150.00	-4.000	106.050	-2.00	1028+0.000	106.130	105.693	0.437	4.000	106.050	-2.00	4.158	105.812	-150.00
-4.369	105.375	-150.00	-4.000	105.929	-2.00	1029+0.000	106.009	105.492	0.517	4.000	105.929	-2.00	4.195	105.636	-150.00
-4.237	105.452	-150.00	-4.000	105.809	-2.00	1030+0.000	105.889	105.513	0.375	4.000	105.809	-2.00	4.157	105.573	-150.00
-4.271	105.312	-150.00	-4.000	105.718	-2.00	1031+0.000	105.798	105.395	0.404	4.000	105.718	-2.00	4.162	105.475	-150.00
-4.244	105.285	-150.00	-4.000	105.650	-2.00	1032+0.000	105.730	105.322	0.408	4.000	105.650	-2.00	4.177	105.384	-150.00
-4.201	105.280	-150.00	-4.000	105.582	-2.00	1033+0.000	105.662	105.311	0.351	4.000	105.582	-2.00	4.154	105.351	-150.00
-4.169	105.260	-150.00	-4.000	105.513	-2.00	1034+0.000	105.593	105.294	0.299	4.000	105.513	-2.00	4.136	105.310	-150.00
-4.168	105.194	-150.00	-4.000	105.445	-2.00	1035+0.000	105.525	105.178	0.346	4.000	105.445	-2.00	4.188	105.163	-150.00
-4.161	105.135	-150.00	-4.000	105.377	-2.00	1036+0.000	105.457	105.108	0.348	4.000	105.377	-2.00	4.197	105.081	-150.00
-4.226	104.969	-150.00	-4.000	105.308	-2.00	1037+0.000	105.388	104.932	0.456	4.000	105.308	-2.00	4.268	104.907	-150.00
-4.238	104.883	-150.00	-4.000	105.240	-2.00	1038+0.000	105.320	104.834	0.486	4.000	105.240	-2.00	4.303	104.785	-150.00
-4.181	104.929	-150.00	-4.000	105.200	-2.00	1039+0.000	105.280	104.874	0.406	4.000	105.200	-2.00	4.254	104.819	-150.00
-4.189	105.126	-150.00	-4.000	105.409	-2.00	1040+0.000	105.489	105.086	0.403	4.000	105.409	-2.00	4.237	105.053	-150.00
-4.194	105.439	-150.00	-4.000	105.729	-2.00	1041+0.000	105.809	105.399	0.411	4.000	105.729	-2.00	4.248	105.358	-150.00
-4.172	105.792	-150.00	-4.000	106.050	-2.00	1042+0.000	106.130	105.765	0.365	4.000	106.050	-2.00	4.208	105.737	-150.00
-4.147	106.150	-150.00	-4.000	106.370	-2.00	1043+0.000	106.450	106.142	0.307	4.000	106.370	-2.00	4.157	106.135	-150.00
-4.162	106.446	-150.00	-4.000	106.690	-2.00	1044+0.000	106.770	106.424	0.345	4.000	106.690	-2.00	4.192	106.402	-150.00
-4.222	106.671	-150.00	-4.000	107.005	-2.00	1045+0.000	107.085	106.668	0.416	4.000	107.005	-2.00	4.229	106.661	-150.00

Osvaldo Leôncio da S...
Diretor da Unidade de Eng...
Projetos e Obras - DGTP
Secretaria ...

-4.245	106.587	-150.00	-4.000	106.955	-2.00	1046+0.000	107.035	106.624	0.411	4.000	106.955	-2.00	4.196	106.661	-150.00
-4.267	106.456	-150.00	-4.000	106.857	-2.00	1047+0.000	106.937	106.494	0.443	4.000	106.857	-2.00	4.217	106.531	-150.00
-4.256	106.374	-150.00	-4.000	106.758	-2.00	1048+0.000	106.838	106.418	0.420	4.000	106.758	-2.00	4.205	106.451	-150.00
-4.225	106.323	-150.00	-4.000	106.660	-2.00	1049+0.000	106.740	106.366	0.373	4.000	106.660	-2.00	4.171	106.402	-150.00
-4.229	106.218	-150.00	-4.000	106.561	-2.00	1050+0.000	106.641	106.252	0.389	4.000	106.561	-2.00	4.184	106.285	-150.00
-4.210	106.076	-150.00	-4.000	106.391	-2.00	1051+0.000	106.471	106.106	0.365	4.000	106.391	-2.00	4.177	106.126	-150.00
-4.223	105.793	-150.00	-4.000	106.128	-2.00	1052+0.000	106.208	105.809	0.399	4.000	106.128	-2.00	4.203	105.824	-150.00
-4.174	105.604	-150.00	-4.000	105.865	-2.00	1053+0.000	105.945	105.591	0.354	4.000	105.865	-2.00	4.196	105.571	-150.00
-4.180	105.333	-150.00	-4.000	105.603	-2.00	1054+0.000	105.683	105.309	0.374	4.000	105.603	-2.00	4.213	105.284	-150.00
-4.219	105.071	-150.00	-4.000	105.399	-2.00	1055+0.000	105.479	105.064	0.415	4.000	105.399	-2.00	4.228	105.057	-150.00
-4.238	104.904	-150.00	-4.000	105.262	-2.00	1056+0.000	105.342	104.901	0.441	4.000	105.262	-2.00	4.244	104.896	-150.00
-4.254	104.744	-150.00	-4.000	105.125	-2.00	1057+0.000	105.205	104.721	0.484	4.000	105.125	-2.00	4.285	104.698	-150.00
-4.225	104.650	-150.00	-4.000	104.988	-2.00	1058+0.000	105.068	104.620	0.448	4.000	104.988	-2.00	4.266	104.589	-150.00
-4.223	104.563	-150.00	-4.000	104.897	-2.00	1059+0.000	104.977	104.550	0.427	4.000	104.897	-2.00	4.240	104.538	-150.00
-4.244	104.563	-150.00	-4.000	104.929	-2.00	1060+0.000	105.009	104.541	0.468	4.000	104.929	-2.00	4.273	104.520	-150.00
-4.202	104.657	-150.00	-4.000	104.961	-2.00	1061+0.000	105.041	104.621	0.420	4.000	104.961	-2.00	4.250	104.585	-150.00
-4.188	104.710	-150.00	-4.000	104.993	-2.00	1062+0.000	105.073	104.673	0.400	4.000	104.993	-2.00	4.238	104.635	-150.00
-4.138	104.615	-150.00	-4.000	104.822	-2.00	1063+0.000	104.902	104.542	0.360	4.000	104.822	-2.00	4.236	104.468	-150.00
-4.172	104.339	-150.00	-4.000	104.597	-2.00	1064+0.000	104.677	104.312	0.365	4.000	104.597	-2.00	4.219	104.269	-150.00
-4.166	104.124	-150.00	-4.000	104.373	-2.00	1065+0.000	104.453	104.042	0.410	4.000	104.373	-2.00	4.276	103.958	-150.00
-4.144	103.929	-150.00	-4.000	104.145	-2.00	1066+0.000	104.225	103.843	0.383	4.000	104.145	-2.00	4.265	103.748	-150.00
-4.098	103.699	-150.00	-4.000	103.845	-2.00	1067+0.000	103.925	103.609	0.316	4.000	103.845	-2.00	4.219	103.517	-150.00
-4.056	103.461	-150.00	-4.000	103.546	-2.00	1068+0.000	103.626	103.363	0.262	4.000	103.546	-2.00	4.192	103.258	-150.00
-4.067	103.145	-150.00	-4.000	103.246	-2.00	1069+0.000	103.326	103.034	0.292	4.000	103.246	-2.00	4.212	102.928	-150.00
-4.134	102.906	-150.00	-4.000	103.107	-2.00	1070+0.000	103.187	102.848	0.339	4.000	103.107	-2.00	4.212	102.789	-150.00
-4.117	103.069	-150.00	-4.000	103.245	-2.00	1071+0.000	103.325	103.011	0.314	4.000	103.245	-2.00	4.183	102.970	-150.00
-4.126	103.257	-150.00	-4.000	103.446	-2.00	1072+0.000	103.526	103.194	0.332	4.000	103.446	-2.00	4.206	103.137	-150.00
-4.114	103.476	-150.00	-4.000	103.647	-2.00	1073+0.000	103.727	103.415	0.312	4.000	103.647	-2.00	4.195	103.354	-150.00
-4.144	103.613	-150.00	-4.000	103.830	-2.00	1074+0.000	103.910	103.574	0.336	4.000	103.830	-2.00	4.197	103.535	-150.00
-4.065	103.439	-150.00	-4.000	103.537	-2.00	1075+0.000	103.617	103.398	0.218	4.000	103.537	-2.00	4.120	103.357	-150.00
-4.010	103.228	-150.00	-4.000	103.243	-2.00	1076+0.000	103.323	103.174	0.149	4.000	103.243	-2.00	4.083	103.120	-150.00
-4.019	102.963	66.67	-4.000	102.950	-2.00	1077+0.000	103.030	102.908	0.122	4.000	102.950	-2.00	4.064	102.854	-150.00
-4.036	102.603	-150.00	-4.000	102.657	-2.00	1078+0.000	102.737	102.577	0.160	4.000	102.657	-2.00	4.071	102.551	-150.00
-4.105	102.255	-150.00	-4.000	102.412	-2.00	1079+0.000	102.492	102.229	0.263	4.000	102.412	-2.00	4.139	102.203	-150.00
-4.103	102.331	-150.00	-4.000	102.485	-2.00	1080+0.000	102.565	102.323	0.242	4.000	102.485	-2.00	4.105	102.328	-150.00
-4.150	102.694	-150.00	-4.000	102.919	-2.00	1081+0.000	102.999	102.686	0.313	4.000	102.919	-2.00	4.146	102.700	-150.00
-4.163	103.468	-150.00	-4.000	103.713	-2.00	1082+0.000	103.793	103.531	0.262	4.000	103.713	-2.00	4.080	103.593	-150.00
-4.276	104.418	-150.00	-4.000	104.831	-2.00	1083+0.000	104.911	104.484	0.427	4.000	104.831	-2.00	4.178	104.564	-150.00
-4.329	105.501	-150.00	-4.000	105.995	-2.00	1084+0.000	106.075	105.551	0.523	4.000	105.995	-2.00	4.258	105.607	-150.00
-4.252	106.568	-150.00	-4.000	106.947	-2.00	1085+0.000	107.027	106.585	0.442	4.000	106.947	-2.00	4.230	106.602	-150.00
-4.284	107.190	-150.00	-4.000	107.616	-2.00	1086+0.000	107.696	107.261	0.435	4.000	107.616	-2.00	4.191	107.329	-150.00
-4.236	107.647	-150.00	-4.000	108.001	-2.00	1087+0.000	108.081	107.668	0.413	4.000	108.001	-2.00	4.208	107.689	-150.00
-4.185	107.826	-150.00	-4.000	108.104	-2.00	1088+0.000	108.184	107.864	0.320	4.000	108.104	-2.00	4.122	107.921	-150.00
-4.130	107.816	-150.00	-4.000	108.010	-2.00	1089+0.000	108.090	107.846	0.244	4.000	108.010	-2.00	4.092	107.872	-150.00
-4.139	107.702	-150.00	-4.000	107.911	-2.00	1090+0.000	107.991	107.751	0.240	4.000	107.911	-2.00	4.074	107.799	-150.00
-4.181	107.540	-150.00	-4.000	107.811	-2.00	1091+0.000	107.891	107.589	0.301	4.000	107.811	-2.00	4.115	107.638	-150.00
-4.179	107.442	-150.00	-4.000	107.711	-2.00	1092+0.000	107.791	107.455	0.336	4.000	107.711	-2.00	4.152	107.483	-150.00
-4.221	107.280	-150.00	-4.000	107.611	-2.00	1093+0.000	107.691	107.294	0.397	4.000	107.611	-2.00	4.183	107.337	-150.00
-4.218	107.184	-150.00	-4.000	107.511	-2.00	1094+0.000	107.591	107.200	0.392	4.000	107.511	-2.00	4.196	107.217	-150.00
-4.210	107.176	-150.00	-4.000	107.491	-2.00	1095+0.000	107.571	107.177	0.395	4.000	107.491	-2.00	4.208	107.180	-150.00
-4.278	107.275	-150.00	-4.000	107.691	-2.00	1096+0.000	107.771	107.275	0.496	4.000	107.691	-2.00	4.277	107.275	-150.00
-4.227	107.550	-150.00	-4.000	107.891	-2.00	1097+0.000	107.971	107.546	0.425	4.000	107.891	-2.00	4.233	107.542	-150.00
-4.186	107.786	-150.00	-4.000	108.064	-2.00	1098+0.000	108.144	107.749	0.395	4.000	108.064	-2.00	4.235	107.713	-150.00
-4.192	107.918	-150.00	-4.000	108.205	-2.00	1099+0.000	108.285	107.879	0.406	4.000	108.205	-2.00	4.244	107.840	-150.00
-4.204	107.785	-150.00	-4.000	108.090	-2.00	1100+0.000	108.170	107.829	0.341	4.000	108.090	-2.00	4.145	107.873	-150.00
-4.140	107.602	-150.00	-4.000	107.812	-2.00	1101+0.000	107.892	107.648	0.244	4.000	107.812	-2.00	4.079	107.694	-150.00
-4.162	107.291	-150.00	-4.000	107.534	-2.00	1102+0.000	107.614	107.363	0.251	4.000	107.534	-2.00	4.067	107.433	-150.00
-4.204	106.952	-150.00	-4.000	107.258	-2.00	1103+0.000	107.338	107.039	0.299	4.000	107.258	-2.00	4.089	107.124	-150.00
-4.258	106.685	-150.00	-4.000	107.072	-2.00	1104+0.000	107.152	106.747	0.405	4.000	107.072	-2.00	4.162	106.829	-150.00
-4.324	106.533	-150.00	-4.000	107.018	-2.00	1105+0.000	107.098	106.532	0.566	4.000	107.018	-2.00	4.315	106.545	-150.00
-4.207	106.786	-150.00	-4.000	107.096	-2.00	1106+0.000	107.176	106.861	0.315	4.000	107.096	-2.00	4.108	106.934	-150.00
-4.124	107.120	-150.00	-4.000	107.307	-2.00	1107+0.000	107.387	107.161	0.226	4.000	107.307	-2.00	4.070	107.202	-150.00
-4.109	107.483	-150.00	-4.000	107.647	-2.00	1108+0.000	107.727	107.462	0.265	4.000	107.647	-2.00	4.138	107.440	-150.00
-4.164	107.786	-150.00	-4.000	108.032	-2.00	1109+0.000	108.112	107.781	0.331	4.000	108.032	-2.00	4.176	107.768	-150.00
-4.135	108.166	-150.00	-4.000	108.368	-2.00	1110+0.000	108.448	108.122	0.326	4.000	108.368	-2.00	4.193	108.078	-150.00
-4.169	108.233	-150.00	-4.000	108.486	-2.00	1111+0.000	108.566	108.197	0.369	4.000	108.486	-2.00	4.222	108.152	-150.00
-4.142	108.158	-150.00	-4.000	108.371	-2.00	1112+0.000	108.451	108.069	0.382	4.000	108.371	-2.00	4.278	107.954	-150.00
-4.168	107.773	-150.00	-4.000	108.026	-2.00	1113+0.000	108.106	107.661	0.445	4.000	108.026	-2.00	4.320	107.545	-150.00
-4.148	107.373	-150.00	-4.000	107.594	-2.00	1114+0.000	107.674	107.263	0.411	4.000	107.594	-2.00	4.297	107.148	-150.00
-4.138	106.969	-150.00	-4.000	107.176	-2.00	1115+0.000	107.256	106.876	0.380	4.000	107.176	-2.00	4.255	106.794	-150.00
-4.220	106.862	-150.00	-4.000	107.192	-2.00	1116+0.000	107.272	106.785	0.487	4.000	107.192	-2.00	4.324	106.707	-150.00
-4.254	106.837	-150.00	-4.000	107.219	-2.00	1117+0.000	107.299	106.784	0.515	4.000	107.219	-2.00	4.326	106.730	-150.00
-4.173	106.986	-150.00	-4.000	107.246	-2.00	1118+0.000	107.326	106.928	0.397	4.000	107.246	-2.00	4.251	106.869	-150.00
-4.176	107.008	-150.00	-4.000	107.272	-2.00	1119+0.000	107.352	106.972	0.380	4.000	107.272	-2.00	4.242	106.909	-150.00
-4.161	107.008	-150.00	-4.000	107.249	-2.00	1120+0.000	107.329	106.937	0.392	4.000	107.249	-2.00	4.256	106.865	-150.00
-4.082	106.596	-150.00	-4.000	106.719	-2.00	1121+0.000	106.799	106.525	0.275	4.000	106.719	-2.00	4.177	106.454	-150.00
-4.076	106.066	-150.00	-4.000	106.180	-2.00	1122+0.000	106.260	105.978	0.282	4.000	106.180	-2.00	4.195	105.888	-150.00
-4.126	105.443	-150.00	-4.000	105.633	-2.00	1123+0.000	105.713	105.343	0.370	4.000	105.633	-2.00	4.262	105.239	-150.00
-4.167	104.759	-150.00	-4.000	105.010	-2.00	1124+0.000	105.090	104.645	0.445	4.000	105.010	-2.00	4.323	104.526	-150.00
-4.173	104.127	-150.00	-4.000	104.387	-2.00	1125+0.000	104.467	104.012	0.455	4.000	104.387	-2.00	4.328	103.895	-150.00
-4.116	103.590	-150.00	-4.000	103.764	-2.00	1126+0.000	103.844	103.457	0.387	4.000	103.764	-2.00	4.283	103.338	-150.00

Osvaldo Leoncio da Silv[illegible]bo
Diretoria [illegible]
Projetos e Obras - DUPRO
Secretaria [illegible]

-4.109	103.428	-150.00	-4.000	103.591	-2.00	1127+0.000	103.671	103.273	0.398	4.000	103.591	-2.00	4.321	103.110	-150.00
-4.132	103.403	-150.00	-4.000	103.601	-2.00	1128+0.000	103.681	103.255	0.426	4.000	103.601	-2.00	4.334	103.100	-150.00
-4.117	103.435	-150.00	-4.000	103.611	-2.00	1129+0.000	103.691	103.290	0.401	4.000	103.611	-2.00	4.315	103.138	-150.00
-4.139	103.369	-150.00	-4.000	103.578	-2.00	1130+0.000	103.658	103.238	0.420	4.000	103.578	-2.00	4.313	103.108	-150.00
-4.124	103.147	-150.00	-4.000	103.332	-2.00	1131+0.000	103.412	103.015	0.397	4.000	103.332	-2.00	4.303	102.878	-150.00
-4.141	102.807	-150.00	-4.000	103.018	-2.00	1132+0.000	103.098	102.656	0.442	4.000	103.018	-2.00	4.338	102.511	-150.00
-4.160	102.400	-150.00	-4.000	102.641	-2.00	1133+0.000	102.721	102.277	0.443	4.000	102.641	-2.00	4.329	102.146	-150.00
-4.162	101.956	-150.00	-4.000	102.199	-2.00	1134+0.000	102.279	101.858	0.421	4.000	102.199	-2.00	4.298	101.751	-150.00
-4.147	101.479	-150.00	-4.000	101.701	-2.00	1135+0.000	101.781	101.382	0.398	4.000	101.701	-2.00	4.279	101.282	-150.00
-4.210	100.879	-150.00	-4.000	101.194	-2.00	1136+0.000	101.274	100.792	0.482	4.000	101.194	-2.00	4.328	100.702	-150.00
-4.218	100.360	-150.00	-4.000	100.688	-2.00	1137+0.000	100.768	100.325	0.443	4.000	100.688	-2.00	4.266	100.288	-150.00
-4.188	99.900	-150.00	-4.000	100.182	-2.00	1138+0.000	100.262	99.878	0.384	4.000	100.182	-2.00	4.217	99.856	-150.00
-4.201	99.475	-150.00	-4.000	99.776	-2.00	1139+0.000	99.856	99.516	0.340	4.000	99.776	-2.00	4.146	99.557	-150.00
-4.199	99.347	-150.00	-4.000	99.645	-2.00	1140+0.000	99.725	99.391	0.334	4.000	99.645	-2.00	4.140	99.434	-150.00
-4.237	99.242	-150.00	-4.000	99.597	-2.00	1141+0.000	99.677	99.292	0.386	4.000	99.597	-2.00	4.170	99.342	-150.00
-4.248	99.178	-150.00	-4.000	99.550	-2.00	1142+0.000	99.630	99.240	0.390	4.000	99.550	-2.00	4.165	99.302	-150.00
-4.251	99.199	-150.00	-4.000	99.575	-2.00	1143+0.000	99.655	99.263	0.392	4.000	99.575	-2.00	4.172	99.317	-150.00
-4.272	99.287	-150.00	-4.000	99.696	-2.00	1144+0.000	99.776	99.350	0.426	4.000	99.696	-2.00	4.192	99.408	-150.00
-4.271	99.409	-150.00	-4.000	99.817	-2.00	1145+0.000	99.897	99.473	0.424	4.000	99.817	-2.00	4.188	99.535	-150.00
-4.249	99.564	-150.00	-4.000	99.937	-2.00	1146+0.000	100.017	99.623	0.395	4.000	99.937	-2.00	4.177	99.673	-150.00
-4.246	99.689	-150.00	-4.000	100.058	-2.00	1147+0.000	100.138	99.748	0.391	4.000	100.058	-2.00	4.169	99.805	-150.00
-4.238	99.823	-150.00	-4.000	100.179	-2.00	1148+0.000	100.259	99.895	0.364	4.000	100.179	-2.00	4.146	99.960	-150.00
-4.182	100.027	-150.00	-4.000	100.300	-2.00	1149+0.000	100.380	100.099	0.281	4.000	100.300	-2.00	4.087	100.170	-150.00
-4.210	100.106	-150.00	-4.000	100.421	-2.00	1150+0.000	100.501	100.195	0.306	4.000	100.421	-2.00	4.093	100.282	-150.00
-4.263	100.104	-150.00	-4.000	100.499	-2.00	1151+0.000	100.579	100.188	0.390	4.000	100.499	-2.00	4.171	100.242	-150.00
-4.220	100.056	-150.00	-4.000	100.385	-2.00	1152+0.000	100.465	100.045	0.421	4.000	100.385	-2.00	4.235	100.033	-150.00
-4.239	99.914	-150.00	-4.000	100.272	-2.00	1153+0.000	100.352	99.894	0.458	4.000	100.272	-2.00	4.266	99.874	-150.00
-4.206	99.952	-150.00	-4.000	100.262	-2.00	1154+0.000	100.342	99.935	0.407	4.000	100.262	-2.00	4.243	99.898	-150.00
-4.234	100.007	-150.00	-4.000	100.358	-2.00	1155+0.000	100.438	99.987	0.451	4.000	100.358	-2.00	4.261	99.966	-150.00
-4.203	100.149	-150.00	-4.000	100.453	-2.00	1156+0.000	100.533	100.130	0.403	4.000	100.453	-2.00	4.247	100.083	-150.00
-4.182	99.960	-150.00	-4.000	100.233	-2.00	1157+0.000	100.313	99.937	0.376	4.000	100.233	-2.00	4.212	99.915	-150.00
-4.220	99.739	-150.00	-4.000	100.070	-2.00	1158+0.000	100.150	99.775	0.375	4.000	100.070	-2.00	4.173	99.810	-150.00
-4.238	99.676	-150.00	-4.000	100.034	-2.00	1159+0.000	100.114	99.720	0.394	4.000	100.034	-2.00	4.180	99.763	-150.00
-4.242	99.633	-150.00	-4.000	99.996	-2.00	1160+0.000	100.076	99.682	0.394	4.000	99.996	-2.00	4.174	99.735	-150.00
-4.243	99.585	-150.00	-4.000	99.949	-2.00	1161+0.000	100.029	99.639	0.390	4.000	99.949	-2.00	4.173	99.689	-150.00
-4.233	99.552	-150.00	-4.000	99.901	-2.00	1162+0.000	99.981	99.598	0.384	4.000	99.901	-2.00	4.178	99.634	-150.00
-4.225	99.516	-150.00	-4.000	99.854	-2.00	1163+0.000	99.934	99.551	0.382	4.000	99.854	-2.00	4.178	99.587	-150.00
-4.217	99.480	-150.00	-4.000	99.806	-2.00	1164+0.000	99.886	99.511	0.375	4.000	99.806	-2.00	4.176	99.542	-150.00
-4.221	99.418	-150.00	-4.000	99.750	-2.00	1165+0.000	99.830	99.447	0.383	4.000	99.750	-2.00	4.185	99.473	-150.00
-4.117	99.295	-150.00	-4.000	99.471	-2.00	1166+0.000	99.551	99.339	0.211	4.000	99.471	-2.00	4.063	99.377	-150.00
-4.199	98.893	-150.00	-4.000	99.192	-2.00	1167+0.000	99.272	98.930	0.342	4.000	99.192	-2.00	4.188	98.910	-150.00
-4.195	98.658	-150.00	-4.000	98.950	-2.00	1168+0.000	99.030	98.638	0.392	4.000	98.950	-2.00	4.222	98.617	-150.00
-4.244	98.677	-150.00	-4.000	99.044	-2.00	1169+0.000	99.124	98.704	0.420	4.000	99.044	-2.00	4.209	98.730	-150.00
-4.289	98.999	-150.00	-4.000	99.432	-2.00	1170+0.000	99.512	99.102	0.411	4.000	99.432	-2.00	4.206	99.123	-150.00
-4.305	99.141	-150.00	-4.000	99.599	-2.00	1171+0.000	99.679	99.278	0.400	4.000	99.599	-2.00	4.126	99.410	-150.00
-4.324	99.506	-150.00	-4.000	99.993	-2.00	1172+0.000	100.073	99.660	0.413	4.000	99.993	-2.00	4.131	99.796	-150.00
-4.316	99.734	-150.00	-4.000	100.209	-2.00	1173+0.000	100.289	99.879	0.410	4.000	100.209	-2.00	4.128	100.017	-150.00
-4.295	99.852	-150.00	-4.000	100.294	-2.00	1174+0.000	100.374	99.994	0.381	4.000	100.294	-2.00	4.109	100.131	-150.00
-4.259	99.991	-150.00	-4.000	100.380	-2.00	1175+0.000	100.460	100.103	0.358	4.000	100.380	-2.00	4.114	100.210	-150.00
-4.192	100.164	-150.00	-4.000	100.452	-2.00	1176+0.000	100.532	100.237	0.295	4.000	100.452	-2.00	4.113	100.282	-150.00
-4.188	100.238	-150.00	-4.000	100.520	-2.00	1177+0.000	100.600	100.257	0.344	4.000	100.520	-2.00	4.164	100.274	-150.00
-4.175	100.273	-150.00	-4.000	100.536	-2.00	1178+0.000	100.616	100.243	0.373	4.000	100.536	-2.00	4.216	100.212	-150.00
-4.149	100.234	-150.00	-4.000	100.458	-2.00	1179+0.000	100.538	100.214	0.324	4.000	100.458	-2.00	4.180	100.188	-150.00
-4.179	100.112	-150.00	-4.000	100.380	-2.00	1180+0.000	100.460	100.092	0.368	4.000	100.380	-2.00	4.205	100.072	-150.00
-4.205	100.045	-150.00	-4.000	100.353	-2.00	1181+0.000	100.433	100.042	0.390	4.000	100.353	-2.00	4.202	100.049	-150.00
-4.204	100.140	-150.00	-4.000	100.447	-2.00	1182+0.000	100.527	100.151	0.376	4.000	100.447	-2.00	4.190	100.162	-150.00
-4.235	100.140	-150.00	-4.000	100.492	-2.00	1183+0.000	100.572	100.175	0.397	4.000	100.492	-2.00	4.189	100.210	-150.00
-4.241	100.084	-150.00	-4.000	100.446	-2.00	1184+0.000	100.526	100.118	0.407	4.000	100.446	-2.00	4.154	100.214	-150.00
-4.262	100.181	-150.00	-4.000	100.575	-2.00	1185+0.000	100.655	100.270	0.385	4.000	100.575	-2.00	4.146	100.355	-150.00
-4.258	100.340	-150.00	-4.000	100.727	-2.00	1186+0.000	100.807	100.432	0.376	4.000	100.727	-2.00	4.138	100.520	-150.00
-4.270	100.475	-150.00	-4.000	100.880	-2.00	1187+0.000	100.960	100.567	0.393	4.000	100.880	-2.00	4.149	100.656	-150.00
-4.262	100.597	-150.00	-4.000	100.990	-2.00	1188+0.000	101.070	100.701	0.369	4.000	100.990	-2.00	4.126	100.801	-150.00
-4.245	100.679	-150.00	-4.000	101.047	-2.00	1189+0.000	101.127	100.771	0.356	4.000	101.047	-2.00	4.124	100.861	-150.00
-4.234	100.688	-150.00	-4.000	101.038	-2.00	1190+0.000	101.118	100.751	0.368	4.000	101.038	-2.00	4.151	100.812	-150.00
-4.262	100.589	-150.00	-4.000	100.981	-2.00	1191+0.000	101.061	100.639	0.423	4.000	100.981	-2.00	4.195	100.688	-150.00
-4.253	100.672	-150.00	-4.000	101.052	-2.00	1192+0.000	101.132	100.741	0.390	4.000	101.052	-2.00	4.140	100.842	-150.00
-4.247	100.782	-150.00	-4.000	101.152	-2.00	1193+0.000	101.232	100.810	0.422	4.000	101.152	-2.00	4.183	100.877	-150.00
-4.224	100.916	-150.00	-4.000	101.252	-2.00	1194+0.000	101.332	100.944	0.388	4.000	101.252	-2.00	4.187	100.971	-150.00
-4.229	100.865	-150.00	-4.000	101.209	-2.00	1195+0.000	101.289	100.860	0.428	4.000	101.209	-2.00	4.204	100.903	-150.00
-4.189	100.856	-150.00	-4.000	101.141	-2.00	1196+0.000	101.221	100.847	0.373	4.000	101.141	-2.00	4.200	100.840	-150.00
-4.203	100.762	-150.00	-4.000	101.067	-2.00	1197+0.000	101.147	100.758	0.390	4.000	101.067	-2.00	4.222	100.734	-150.00
-4.170	100.655	-150.00	-4.000	100.910	-2.00	1198+0.000	100.990	100.614	0.376	4.000	100.910	-2.00	4.225	100.573	-150.00
-4.152	100.521	-150.00	-4.000	100.749	-2.00	1199+0.000	100.829	100.473	0.357	4.000	100.749	-2.00	4.217	100.424	-150.00
-4.175	100.326	-150.00	-4.000	100.589	-2.00	1200+0.000	100.669	100.302	0.367	4.000	100.589	-2.00	4.207	100.278	-150.00
-4.186	100.149	-150.00	-4.000	100.428	-2.00	1201+0.000	100.508	100.153	0.354	4.000	100.428	-2.00	4.181	100.157	-150.00
-4.212	99.957	-150.00	-4.000	100.275	-2.00	1202+0.000	100.355	99.962	0.393	4.000	100.275	-2.00	4.205	99.967	-150.00
-4.211	99.953	-150.00	-4.000	100.270	-2.00	1203+0.000	100.350	99.959	0.391	4.000	100.270	-2.00	4.204	99.964	-150.00
-4.200	99.964	-150.00	-4.000	100.264	-2.00	1204+0.000	100.344	99.970	0.374	4.000	100.264	-2.00	4.192	99.976	-150.00
-4.217	99.988	-150.00	-4.000	100.314	-2.00	1205+0.000	100.394	99.999	0.394	4.000	100.314	-2.00	4.202	100.011	-150.00
-4.231	100.229	-150.00	-4.000	100.575	-2.00	1206+0.000	100.655	100.250	0.404	4.000	100.575	-2.00	4.203	100.270	-150.00
-4.247	100.362	-150.00	-4.000	100.732	-2.00	1207+0.000	100.812	100.426	0.385	4.000	100.732	-2.00	4.210	100.416	-150.00

Osvaldo Leôncio da Si... Filho
Diretor de Le... e Projetos
Projetos e Obras - DGEPO
Secretaria de Estado de Infraestrutura

-4.263	100.363	-150.00	-4.000	100.757	-2.00	1208+0.000	100.837	100.443	0.394	4.000	100.757	-2.00	4.181	100.485	-150.00
-4.254	100.438	-150.00	-4.000	100.820	-2.00	1209+0.000	100.900	100.522	0.378	4.000	100.820	-2.00	4.145	100.603	-150.00
-4.250	100.588	-150.00	-4.000	100.963	-2.00	1210+0.000	101.043	100.680	0.364	4.000	100.963	-2.00	4.144	100.748	-150.00
-4.224	100.806	-150.00	-4.000	101.142	-2.00	1211+0.000	101.222	100.834	0.388	4.000	101.142	-2.00	4.187	100.862	-150.00
-4.226	100.992	-150.00	-4.000	101.330	-2.00	1212+0.000	101.410	101.001	0.410	4.000	101.330	-2.00	4.200	101.031	-150.00
-4.206	101.458	-150.00	-4.000	101.766	-2.00	1213+0.000	101.846	101.443	0.403	4.000	101.766	-2.00	4.225	101.428	-150.00
-4.222	101.870	-150.00	-4.000	102.202	-2.00	1214+0.000	102.282	101.875	0.407	4.000	102.202	-2.00	4.215	101.880	-150.00
-4.169	102.388	-150.00	-4.000	102.641	-2.00	1215+0.000	102.721	102.309	0.413	4.000	102.641	-2.00	4.283	102.216	-150.00
-4.168	102.917	-150.00	-4.000	103.169	-2.00	1216+0.000	103.249	102.837	0.412	4.000	103.169	-2.00	4.276	102.755	-150.00
-4.144	103.481	-150.00	-4.000	103.697	-2.00	1217+0.000	103.777	103.406	0.371	4.000	103.697	-2.00	4.277	103.282	-150.00
-4.138	104.019	-150.00	-4.000	104.226	-2.00	1218+0.000	104.306	103.899	0.406	4.000	104.226	-2.00	4.301	103.775	-150.00
-4.143	104.559	-150.00	-4.000	104.773	-2.00	1219+0.000	104.853	104.445	0.408	4.000	104.773	-2.00	4.300	104.322	-150.00
-4.172	105.126	-150.00	-4.000	105.385	-2.00	1220+0.000	105.465	105.050	0.415	4.000	105.385	-2.00	4.276	104.971	-150.00
-4.168	105.468	-150.00	-4.000	105.721	-2.00	1221+0.000	105.801	105.395	0.405	4.000	105.721	-2.00	4.267	105.320	-150.00
-4.187	105.659	-150.00	-4.000	105.940	-2.00	1222+0.000	106.020	105.628	0.392	4.000	105.940	-2.00	4.228	105.598	-150.00
-4.171	105.914	-150.00	-4.000	106.171	-2.00	1223+0.000	106.251	105.886	0.365	4.000	106.171	-2.00	4.210	105.857	-150.00
-4.164	106.157	-150.00	-4.000	106.402	-2.00	1224+0.000	106.482	106.135	0.347	4.000	106.402	-2.00	4.190	106.117	-150.00
-4.187	106.352	-150.00	-4.000	106.633	-2.00	1225+0.000	106.713	106.341	0.372	4.000	106.633	-2.00	4.206	106.323	-150.00
-4.240	106.544	-150.00	-4.000	106.904	-2.00	1226+0.000	106.984	106.575	0.409	4.000	106.904	-2.00	4.198	106.606	-150.00
-4.268	106.817	-150.00	-4.000	107.219	-2.00	1227+0.000	107.299	106.842	0.457	4.000	107.219	-2.00	4.218	106.892	-150.00
-4.263	107.145	-150.00	-4.000	107.540	-2.00	1228+0.000	107.620	107.193	0.427	4.000	107.540	-2.00	4.200	107.240	-150.00
-4.313	107.392	-150.00	-4.000	107.860	-2.00	1229+0.000	107.940	107.447	0.493	4.000	107.860	-2.00	4.239	107.502	-150.00
-4.364	107.635	-150.00	-4.000	108.181	-2.00	1230+0.000	108.261	107.748	0.513	4.000	108.181	-2.00	4.217	107.856	-150.00
-4.300	108.051	-150.00	-4.000	108.502	-2.00	1231+0.000	108.582	108.136	0.446	4.000	108.502	-2.00	4.189	108.218	-150.00
-4.304	108.218	-150.00	-4.000	108.675	-2.00	1232+0.000	108.755	108.355	0.400	4.000	108.675	-2.00	4.126	108.486	-150.00
-4.299	108.307	-150.00	-4.000	108.755	-2.00	1233+0.000	108.835	108.441	0.395	4.000	108.755	-2.00	4.124	108.569	-150.00
-4.275	108.248	-150.00	-4.000	108.661	-2.00	1234+0.000	108.741	108.371	0.370	4.000	108.661	-2.00	4.115	108.489	-150.00
-4.271	108.123	-150.00	-4.000	108.529	-2.00	1235+0.000	108.609	108.249	0.359	4.000	108.529	-2.00	4.108	108.367	-150.00
-4.311	107.929	-150.00	-4.000	108.396	-2.00	1236+0.000	108.476	108.086	0.390	4.000	108.396	-2.00	4.108	108.234	-150.00
-4.354	107.776	-150.00	-4.000	108.307	-2.00	1237+0.000	108.387	107.925	0.462	4.000	108.307	-2.00	4.155	108.075	-150.00
-4.297	107.844	-150.00	-4.000	108.289	-2.00	1238+0.000	108.369	107.965	0.404	4.000	108.289	-2.00	4.138	108.082	-150.00
-4.287	107.886	-150.00	-4.000	108.317	-2.00	1239+0.000	108.397	108.002	0.395	4.000	108.317	-2.00	4.142	108.104	-150.00
-4.317	107.991	-150.00	-4.000	108.466	-2.00	1240+0.000	108.546	108.135	0.411	4.000	108.466	-2.00	4.137	108.261	-150.00
-4.319	108.142	-150.00	-4.000	108.620	-2.00	1241+0.000	108.700	108.268	0.432	4.000	108.620	-2.00	4.153	108.390	-150.00
-4.280	108.339	-150.00	-4.000	108.760	-2.00	1242+0.000	108.840	108.430	0.410	4.000	108.760	-2.00	4.187	108.479	-150.00
-4.247	108.138	-150.00	-4.000	108.509	-2.00	1243+0.000	108.589	108.202	0.386	4.000	108.509	-2.00	4.162	108.266	-150.00
-4.237	107.753	-150.00	-4.000	108.108	-2.00	1244+0.000	108.188	107.809	0.379	4.000	108.108	-2.00	4.162	107.865	-150.00
-4.176	107.537	-150.00	-4.000	107.800	-2.00	1245+0.000	107.880	107.509	0.371	4.000	107.800	-2.00	4.216	107.476	-150.00
-4.143	106.965	-150.00	-4.000	107.179	-2.00	1246+0.000	107.259	106.928	0.331	4.000	107.179	-2.00	4.192	106.891	-150.00
-4.203	106.314	-150.00	-4.000	106.619	-2.00	1247+0.000	106.699	106.334	0.365	4.000	106.619	-2.00	4.176	106.355	-150.00
-4.222	105.998	-150.00	-4.000	106.330	-2.00	1248+0.000	106.410	106.015	0.396	4.000	106.330	-2.00	4.201	106.029	-150.00
-4.228	105.724	-150.00	-4.000	106.066	-2.00	1249+0.000	106.146	105.738	0.407	4.000	106.066	-2.00	4.208	105.753	-150.00
-4.156	105.686	-150.00	-4.000	105.921	-2.00	1250+0.000	106.001	105.624	0.377	4.000	105.921	-2.00	4.217	105.595	-150.00
-4.195	105.566	-150.00	-4.000	105.859	-2.00	1251+0.000	105.939	105.448	0.491	4.000	105.859	-2.00	4.356	105.324	-150.00
-4.129	105.703	-150.00	-4.000	105.897	-2.00	1252+0.000	105.977	105.574	0.403	4.000	105.897	-2.00	4.306	105.438	-150.00
-4.110	106.215	-150.00	-4.000	106.380	-2.00	1253+0.000	106.460	106.044	0.416	4.000	106.380	-2.00	4.350	105.854	-150.00
-4.109	106.851	-150.00	-4.000	107.015	-2.00	1254+0.000	107.095	106.680	0.416	4.000	107.015	-2.00	4.350	106.490	-150.00
-4.126	107.542	-150.00	-4.000	107.732	-2.00	1255+0.000	107.812	107.399	0.413	4.000	107.732	-2.00	4.322	107.248	-150.00
-4.103	108.265	-150.00	-4.000	108.419	-2.00	1256+0.000	108.499	108.091	0.408	4.000	108.419	-2.00	4.341	107.907	-150.00
-4.087	108.491	-150.00	-4.000	108.621	-2.00	1257+0.000	108.701	108.304	0.398	4.000	108.621	-2.00	4.344	108.105	-150.00
-4.165	108.576	-150.00	-4.000	108.824	-2.00	1258+0.000	108.904	108.485	0.419	4.000	108.824	-2.00	4.277	108.409	-150.00
-4.163	109.400	-150.00	-4.000	109.645	-2.00	1259+0.000	109.725	109.301	0.424	4.000	109.645	-2.00	4.277	109.230	-150.00
-4.212	110.108	-150.00	-4.000	110.427	-2.00	1260+0.000	110.507	110.079	0.427	4.000	110.427	-2.00	4.257	110.042	-150.00
-4.185	110.846	-150.00	-4.000	111.123	-2.00	1261+0.000	111.203	110.786	0.418	4.000	111.123	-2.00	4.272	110.715	-150.00
-4.198	111.252	-150.00	-4.000	111.549	-2.00	1262+0.000	111.629	111.209	0.420	4.000	111.549	-2.00	4.268	111.147	-150.00
-4.192	111.450	-150.00	-4.000	111.738	-2.00	1263+0.000	111.818	111.391	0.427	4.000	111.738	-2.00	4.285	111.311	-150.00
-4.167	111.182	-150.00	-4.000	111.433	-2.00	1264+0.000	111.513	111.124	0.390	4.000	111.433	-2.00	4.262	111.041	-150.00
-4.149	110.832	-150.00	-4.000	111.055	-2.00	1265+0.000	111.135	110.759	0.376	4.000	111.055	-2.00	4.256	110.672	-150.00
-4.155	110.489	-150.00	-4.000	110.721	-2.00	1266+0.000	110.801	110.424	0.378	4.000	110.721	-2.00	4.260	110.331	-150.00
-4.183	110.321	-150.00	-4.000	110.596	-2.00	1267+0.000	110.676	110.254	0.422	4.000	110.596	-2.00	4.291	110.159	-150.00
-4.156	110.291	-150.00	-4.000	110.526	-2.00	1268+0.000	110.606	110.221	0.385	4.000	110.526	-2.00	4.267	110.125	-150.00
-4.172	110.264	-150.00	-4.000	110.523	-2.00	1269+0.000	110.603	110.240	0.363	4.000	110.523	-2.00	4.247	110.153	-150.00
-4.162	110.278	-150.00	-4.000	110.520	-2.00	1270+0.000	110.600	110.244	0.356	4.000	110.520	-2.00	4.237	110.165	-150.00
-4.187	110.238	-150.00	-4.000	110.518	-2.00	1271+0.000	110.598	110.238	0.360	4.000	110.518	-2.00	4.214	110.196	-150.00
-4.222	110.183	-150.00	-4.000	110.515	-2.00	1272+0.000	110.595	110.188	0.407	4.000	110.515	-2.00	4.224	110.179	-150.00
-4.209	110.194	-150.00	-4.000	110.507	-2.00	1273+0.000	110.587	110.199	0.388	4.000	110.507	-2.00	4.201	110.205	-150.00
-4.230	110.002	-150.00	-4.000	110.347	-2.00	1274+0.000	110.427	110.033	0.394	4.000	110.347	-2.00	4.189	110.063	-150.00
-4.223	109.677	-150.00	-4.000	110.011	-2.00	1275+0.000	110.091	109.711	0.380	4.000	110.011	-2.00	4.178	109.745	-150.00
-4.217	109.180	-150.00	-4.000	109.505	-2.00	1276+0.000	109.585	109.227	0.358	4.000	109.505	-2.00	4.165	109.258	-150.00
-4.184	108.582	-150.00	-4.000	108.857	-2.00	1277+0.000	108.937	108.629	0.309	4.000	108.857	-2.00	4.126	108.669	-150.00
-4.224	107.870	-150.00	-4.000	108.206	-2.00	1278+0.000	108.286	107.911	0.375	4.000	108.206	-2.00	4.175	107.943	-150.00
-4.250	107.160	-150.00	-4.000	107.535	-2.00	1279+0.000	107.615	107.202	0.413	4.000	107.535	-2.00	4.196	107.242	-150.00
-4.243	106.499	-150.00	-4.000	106.864	-2.00	1280+0.000	106.944	106.526	0.418	4.000	106.864	-2.00	4.203	106.561	-150.00
-4.301	106.041	-150.00	-4.000	106.493	-2.00	1281+0.000	106.573	106.078	0.495	4.000	106.493	-2.00	4.253	106.114	-150.00
-4.241	105.848	-150.00	-4.000	106.209	-2.00	1282+0.000	106.289	105.868	0.421	4.000	106.209	-2.00	4.210	105.895	-150.00
-4.163	105.651	-150.00	-4.000	105.895	-2.00	1283+0.000	105.975	105.597	0.378	4.000	105.895	-2.00	4.155	105.663	-150.00
-4.160	105.263	-150.00	-4.000	105.502	-2.00	1284+0.000	105.582	105.326	0.256	4.000	105.502	-2.00	4.068	105.401	-150.00
-4.165	104.861	-150.00	-4.000	105.109	-2.00	1285+0.000	105.189	104.887	0.302	4.000	105.109	-2.00	4.128	104.918	-150.00
-4.195	104.424	-150.00	-4.000	104.717	-2.00	1286+0.000	104.797	104.430	0.366	4.000	104.717	-2.00	4.179	104.448	-150.00
-4.270	104.254	-150.00	-4.000	104.659	-2.00	1287+0.000	104.739	104.340	0.399	4.000	104.659	-2.00	4.145	104.442	-150.00
-4.270	104.449	-150.00	-4.000	104.853	-2.00	1288+0.000	104.933	104.534	0.400	4.000	104.853	-2.00	4.158	104.617	-150.00

Osvaldo Leôncio da Silv...
Diretoria de ... Projetos
Projetos e Obras - DUPPO
Secretaria ... Cidades (Secid)

-4.334	104.903	-150.00	-4.000	105.404	-2.00	1289+0.000	105.484	105.011	0.473	4.000	105.404	-2.00	4.160	105.164	-150.00
-4.324	106.191	-150.00	-4.000	106.677	-2.00	1290+0.000	106.757	106.258	0.500	4.000	106.677	-2.00	4.252	106.299	-150.00
-4.302	107.516	-150.00	-4.000	107.969	-2.00	1291+0.000	108.049	107.562	0.487	4.000	107.969	-2.00	4.215	107.646	-150.00
-4.192	108.972	-150.00	-4.000	109.260	-2.00	1292+0.000	109.340	108.956	0.384	4.000	109.260	-2.00	4.204	108.954	-150.00
-4.191	110.260	-150.00	-4.000	110.547	-2.00	1293+0.000	110.627	110.299	0.328	4.000	110.547	-2.00	4.153	110.318	-150.00
-4.027	111.250	-150.00	-4.000	111.290	-2.00	1294+0.000	111.370	110.980	0.390	4.000	111.290	-2.00	4.403	110.685	-150.00
-4.096	110.981	-150.00	-4.000	111.124	-2.00	1295+0.000	111.204	110.788	0.416	4.000	111.124	-2.00	4.360	110.584	-150.00
-4.094	110.334	-150.00	-4.000	110.476	-2.00	1296+0.000	110.556	110.142	0.414	4.000	110.476	-2.00	4.351	109.949	-150.00
-4.045	109.882	-150.00	-4.000	109.949	-2.00	1297+0.000	110.029	109.661	0.368	4.000	109.949	-2.00	4.345	109.432	-150.00
-4.033	109.747	66.67	-4.000	109.726	-2.00	1298+0.000	109.806	109.527	0.278	4.000	109.726	-2.00	4.289	109.292	-150.00
-4.072	109.591	66.67	-4.000	109.543	-2.00	1299+0.000	109.623	109.314	0.309	4.000	109.543	-2.00	4.314	109.072	-150.00
-4.037	109.306	-150.00	-4.000	109.361	-2.00	1300+0.000	109.441	109.041	0.400	4.000	109.361	-2.00	4.406	108.751	-150.00
-4.106	109.105	-150.00	-4.000	109.264	-2.00	1301+0.000	109.344	108.870	0.474	4.000	109.264	-2.00	4.432	108.616	-150.00
-4.112	109.070	-150.00	-4.000	109.238	-2.00	1302+0.000	109.318	108.838	0.480	4.000	109.238	-2.00	4.421	108.608	-150.00
-4.082	109.295	-150.00	-4.000	109.418	-2.00	1303+0.000	109.498	109.110	0.388	4.000	109.418	-2.00	4.338	108.910	-150.00
-4.122	109.491	-150.00	-4.000	109.674	-2.00	1304+0.000	109.754	109.335	0.419	4.000	109.674	-2.00	4.335	109.171	-150.00
-4.118	109.698	-150.00	-4.000	109.875	-2.00	1305+0.000	109.955	109.558	0.397	4.000	109.875	-2.00	4.309	109.412	-150.00
-4.149	109.779	-150.00	-4.000	110.003	-2.00	1306+0.000	110.083	109.640	0.443	4.000	110.003	-2.00	4.339	109.495	-150.00
-4.215	109.808	-150.00	-4.000	110.130	-2.00	1307+0.000	110.210	109.690	0.520	4.000	110.130	-2.00	4.378	109.563	-150.00
-4.157	110.023	-150.00	-4.000	110.258	-2.00	1308+0.000	110.338	109.912	0.426	4.000	110.258	-2.00	4.307	109.798	-150.00
-4.119	110.195	-150.00	-4.000	110.373	-2.00	1309+0.000	110.453	110.071	0.382	4.000	110.373	-2.00	4.281	109.950	-150.00
-4.130	110.266	-150.00	-4.000	110.462	-2.00	1310+0.000	110.542	110.162	0.380	4.000	110.462	-2.00	4.272	110.053	-150.00
-4.127	110.331	-150.00	-4.000	110.522	-2.00	1311+0.000	110.602	110.215	0.387	4.000	110.522	-2.00	4.290	110.086	-150.00
-4.105	110.294	-150.00	-4.000	110.451	-2.00	1312+0.000	110.531	110.190	0.341	4.000	110.451	-2.00	4.258	110.064	-150.00
-4.123	110.168	-150.00	-4.000	110.353	-2.00	1313+0.000	110.433	110.041	0.392	4.000	110.353	-2.00	4.292	109.915	-150.00
-4.140	109.980	-150.00	-4.000	110.190	-2.00	1314+0.000	110.270	109.917	0.354	4.000	110.190	-2.00	4.261	109.799	-150.00
-4.118	109.500	-150.00	-4.000	109.677	-2.00	1315+0.000	109.757	109.435	0.322	4.000	109.677	-2.00	4.202	109.374	-150.00
-4.100	109.013	-150.00	-4.000	109.163	-2.00	1316+0.000	109.243	108.957	0.286	4.000	109.163	-2.00	4.174	108.902	-150.00
-4.115	108.476	-150.00	-4.000	108.649	-2.00	1317+0.000	108.729	108.454	0.275	4.000	108.649	-2.00	4.144	108.433	-150.00
-4.168	107.883	-150.00	-4.000	108.135	-2.00	1318+0.000	108.215	107.862	0.353	4.000	108.135	-2.00	4.196	107.841	-150.00
-4.206	107.311	-150.00	-4.000	107.621	-2.00	1319+0.000	107.701	107.288	0.413	4.000	107.621	-2.00	4.238	107.264	-150.00
-4.211	106.816	-150.00	-4.000	107.133	-2.00	1320+0.000	107.213	106.826	0.388	4.000	107.133	-2.00	4.221	106.802	-150.00
-4.215	106.491	-150.00	-4.000	106.813	-2.00	1321+0.000	106.893	106.465	0.428	4.000	106.813	-2.00	4.257	106.428	-150.00
-4.200	106.192	-150.00	-4.000	106.493	-2.00	1322+0.000	106.573	106.251	0.322	4.000	106.493	-2.00	4.161	106.251	-150.00
-4.156	105.945	-150.00	-4.000	106.178	-2.00	1323+0.000	106.258	106.006	0.253	4.000	106.178	-2.00	4.076	106.065	-150.00
-4.222	106.099	-150.00	-4.000	106.433	-2.00	1324+0.000	106.513	106.152	0.361	4.000	106.433	-2.00	4.152	106.204	-150.00
-4.248	106.749	-150.00	-4.000	107.121	-2.00	1325+0.000	107.201	106.841	0.360	4.000	107.121	-2.00	4.161	106.879	-150.00
-4.264	107.413	-150.00	-4.000	107.809	-2.00	1326+0.000	107.889	107.543	0.346	4.000	107.809	-2.00	4.098	107.662	-150.00
-4.305	108.032	-150.00	-4.000	108.489	-2.00	1327+0.000	108.569	108.162	0.407	4.000	108.489	-2.00	4.160	108.249	-150.00
-4.303	108.441	-150.00	-4.000	108.895	-2.00	1328+0.000	108.975	108.518	0.456	4.000	108.895	-2.00	4.200	108.594	-150.00
-4.279	108.860	-150.00	-4.000	109.278	-2.00	1329+0.000	109.358	108.937	0.421	4.000	109.278	-2.00	4.177	109.013	-150.00
-4.220	109.082	-150.00	-4.000	109.412	-2.00	1330+0.000	109.492	109.040	0.452	4.000	109.412	-2.00	4.281	108.991	-150.00
-4.231	109.135	-150.00	-4.000	109.482	-2.00	1331+0.000	109.562	109.089	0.473	4.000	109.482	-2.00	4.295	109.040	-150.00
-4.235	109.199	-150.00	-4.000	109.551	-2.00	1332+0.000	109.631	109.124	0.507	4.000	109.551	-2.00	4.334	109.049	-150.00
-4.232	109.272	-150.00	-4.000	109.620	-2.00	1333+0.000	109.700	109.197	0.503	4.000	109.620	-2.00	4.333	109.121	-150.00
-4.204	109.383	-150.00	-4.000	109.689	-2.00	1334+0.000	109.769	109.326	0.443	4.000	109.689	-2.00	4.279	109.271	-150.00
-4.162	109.563	-150.00	-4.000	109.807	-2.00	1335+0.000	109.887	109.503	0.383	4.000	109.807	-2.00	4.243	109.442	-150.00
-4.126	109.764	-150.00	-4.000	109.953	-2.00	1336+0.000	110.033	109.722	0.312	4.000	109.953	-2.00	4.183	109.679	-150.00
-4.172	109.843	-150.00	-4.000	110.100	-2.00	1337+0.000	110.180	109.890	0.290	4.000	110.100	-2.00	4.133	109.901	-150.00
-4.241	109.823	-150.00	-4.000	110.185	-2.00	1338+0.000	110.265	109.884	0.381	4.000	110.185	-2.00	4.156	109.950	-150.00
-4.223	109.834	-150.00	-4.000	110.169	-2.00	1339+0.000	110.249	109.897	0.352	4.000	110.169	-2.00	4.140	109.959	-150.00
-4.235	109.801	-150.00	-4.000	110.153	-2.00	1340+0.000	110.233	109.864	0.369	4.000	110.153	-2.00	4.156	109.918	-150.00
-4.244	109.771	-150.00	-4.000	110.137	-2.00	1341+0.000	110.217	109.833	0.384	4.000	110.137	-2.00	4.193	109.847	-150.00
-4.250	109.745	-150.00	-4.000	110.120	-2.00	1342+0.000	110.200	109.806	0.394	4.000	110.120	-2.00	4.169	109.867	-150.00
-4.225	109.736	-150.00	-4.000	110.074	-2.00	1343+0.000	110.154	109.799	0.354	4.000	110.074	-2.00	4.140	109.863	-150.00
-4.185	109.727	-150.00	-4.000	110.005	-2.00	1344+0.000	110.085	109.769	0.315	4.000	110.005	-2.00	4.129	109.811	-150.00
-4.268	109.434	-150.00	-4.000	109.836	-2.00	1345+0.000	109.916	109.494	0.421	4.000	109.836	-2.00	4.196	109.542	-150.00
-4.230	108.927	-150.00	-4.000	109.272	-2.00	1346+0.000	109.352	109.009	0.343	4.000	109.272	-2.00	4.122	109.089	-150.00
-4.198	108.297	-150.00	-4.000	108.594	-2.00	1347+0.000	108.674	108.386	0.289	4.000	108.594	-2.00	4.081	108.472	-150.00
-4.249	107.544	-150.00	-4.000	107.917	-2.00	1348+0.000	107.997	107.652	0.345	4.000	107.917	-2.00	4.107	107.756	-150.00
-4.255	106.870	-150.00	-4.000	107.252	-2.00	1349+0.000	107.332	106.956	0.376	4.000	107.252	-2.00	4.136	107.048	-150.00
-4.211	106.425	-150.00	-4.000	106.741	-2.00	1350+0.000	106.821	106.560	0.261	4.000	106.741	-2.00	4.067	106.641	-150.00
-4.155	106.000	-150.00	-4.000	106.232	-2.00	1351+0.000	106.312	106.075	0.238	4.000	106.232	-2.00	4.052	106.154	-150.00
-4.185	105.446	-150.00	-4.000	105.724	-2.00	1352+0.000	105.804	105.514	0.290	4.000	105.724	-2.00	4.115	105.551	-150.00
-4.230	104.870	-150.00	-4.000	105.215	-2.00	1353+0.000	105.295	104.939	0.357	4.000	105.215	-2.00	4.150	104.991	-150.00
-4.208	104.630	-150.00	-4.000	104.942	-2.00	1354+0.000	105.022	104.636	0.386	4.000	104.942	-2.00	4.200	104.643	-150.00
-4.217	104.346	-150.00	-4.000	104.671	-2.00	1355+0.000	104.751	104.377	0.374	4.000	104.671	-2.00	4.180	104.401	-150.00
-4.148	103.750	-150.00	-4.000	103.972	-2.00	1356+0.000	104.052	103.802	0.250	4.000	103.972	-2.00	4.094	103.831	-150.00
-4.174	102.979	-150.00	-4.000	103.240	-2.00	1357+0.000	103.320	103.014	0.306	4.000	103.240	-2.00	4.127	103.049	-150.00
-4.217	102.183	-150.00	-4.000	102.508	-2.00	1358+0.000	102.588	102.277	0.311	4.000	102.508	-2.00	4.076	102.394	-150.00
-4.221	101.444	-150.00	-4.000	101.776	-2.00	1359+0.000	101.856	101.508	0.348	4.000	101.776	-2.00	4.124	101.590	-150.00
-4.241	100.822	-150.00	-4.000	101.184	-2.00	1360+0.000	101.264	100.885	0.379	4.000	101.184	-2.00	4.158	100.947	-150.00
-4.235	100.596	-150.00	-4.000	100.949	-2.00	1361+0.000	101.029	100.644	0.385	4.000	100.949	-2.00	4.172	100.690	-150.00
-4.216	100.503	-150.00	-4.000	100.826	-2.00	1362+0.000	100.906	100.518	0.389	4.000	100.826	-2.00	4.180	100.557	-150.00
-4.208	100.649	-150.00	-4.000	100.961	-2.00	1363+0.000	101.041	100.651	0.391	4.000	100.961	-2.00	4.206	100.652	-150.00
-4.228	100.765	-150.00	-4.000	101.107	-2.00	1364+0.000	101.187	100.755	0.432	4.000	101.107	-2.00	4.241	100.745	-150.00
-4.209	100.938	-150.00	-4.000	101.252	-2.00	1365+0.000	101.332	100.906	0.426	4.000	101.252	-2.00	4.246	100.883	-150.00
-4.183	101.098	-150.00	-4.000	101.372	-2.00	1366+0.000	101.452	101.049	0.403	4.000	101.372	-2.00	4.243	101.008	-150.00
-4.187	101.189	-150.00	-4.000	101.469	-2.00	1367+0.000	101.549	101.151	0.397	4.000	101.469	-2.00	4.237	101.113	-150.00
-4.180	101.214	-150.00	-4.000	101.484	-2.00	1368+0.000	101.564	101.169	0.395	4.000	101.484	-2.00	4.240	101.124	-150.00
-4.208	101.235	-150.00	-4.000	101.547	-2.00	1369+0.000	101.627	101.232	0.396	4.000	101.547	-2.00	4.217	101.221	-150.00

Osvaldo Leôncio da Silva
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria de Estado

-4.228	101.366	-150.00	-4.000	101.708	-2.00	1370+0.000	101.788	101.390	0.398	4.000	101.708	-2.00	4.198	101.411	-150.00
-4.229	101.298	-150.00	-4.000	101.642	-2.00	1371+0.000	101.722	101.334	0.388	4.000	101.642	-2.00	4.182	101.369	-150.00
-4.242	101.197	-150.00	-4.000	101.560	-2.00	1372+0.000	101.640	101.229	0.411	4.000	101.560	-2.00	4.199	101.261	-150.00
-4.295	101.035	-150.00	-4.000	101.477	-2.00	1373+0.000	101.557	101.075	0.482	4.000	101.477	-2.00	4.246	101.109	-150.00
-4.230	101.049	-150.00	-4.000	101.394	-2.00	1374+0.000	101.474	101.075	0.399	4.000	101.394	-2.00	4.191	101.107	-150.00
-4.188	101.127	-150.00	-4.000	101.408	-2.00	1375+0.000	101.488	101.188	0.300	4.000	101.408	-2.00	4.135	101.205	-150.00
-4.224	101.347	-150.00	-4.000	101.683	-2.00	1376+0.000	101.763	101.416	0.347	4.000	101.683	-2.00	4.133	101.483	-150.00
-4.300	101.576	-150.00	-4.000	102.026	-2.00	1377+0.000	102.106	101.647	0.459	4.000	102.026	-2.00	4.207	101.716	-150.00
-4.284	101.943	-150.00	-4.000	102.368	-2.00	1378+0.000	102.448	102.009	0.439	4.000	102.368	-2.00	4.196	102.074	-150.00
-4.249	102.337	-150.00	-4.000	102.711	-2.00	1379+0.000	102.791	102.375	0.416	4.000	102.711	-2.00	4.199	102.413	-150.00
-4.262	102.632	-150.00	-4.000	103.025	-2.00	1380+0.000	103.105	102.723	0.382	4.000	103.025	-2.00	4.176	102.760	-150.00
-4.169	102.569	-150.00	-4.000	102.822	-2.00	1381+0.000	102.902	102.676	0.227	4.000	102.822	-2.00	4.097	102.677	-150.00
-4.170	102.134	-150.00	-4.000	102.388	-2.00	1382+0.000	102.468	102.130	0.338	4.000	102.388	-2.00	4.172	102.131	-150.00
-4.189	101.571	-150.00	-4.000	101.855	-2.00	1383+0.000	101.935	101.573	0.362	4.000	101.855	-2.00	4.187	101.574	-150.00
-4.176	100.958	-150.00	-4.000	101.222	-2.00	1384+0.000	101.302	100.946	0.356	4.000	101.222	-2.00	4.191	100.935	-150.00
-4.123	100.764	-150.00	-4.000	100.948	-2.00	1385+0.000	101.028	100.643	0.384	4.000	100.948	-2.00	4.286	100.518	-150.00
-4.139	100.699	-150.00	-4.000	100.907	-2.00	1386+0.000	100.987	100.622	0.365	4.000	100.907	-2.00	4.243	100.543	-150.00
-4.086	100.807	-150.00	-4.000	100.937	-2.00	1387+0.000	101.017	100.686	0.331	4.000	100.937	-2.00	4.227	100.596	-150.00
-4.101	100.816	-150.00	-4.000	100.967	-2.00	1388+0.000	101.047	100.719	0.328	4.000	100.967	-2.00	4.232	100.618	-150.00
-4.121	100.814	-150.00	-4.000	100.996	-2.00	1389+0.000	101.076	100.729	0.348	4.000	100.996	-2.00	4.237	100.641	-150.00
-4.099	100.878	-150.00	-4.000	101.026	-2.00	1390+0.000	101.106	100.793	0.314	4.000	101.026	-2.00	4.203	100.722	-150.00
-4.073	100.946	-150.00	-4.000	101.056	-2.00	1391+0.000	101.136	100.884	0.252	4.000	101.056	-2.00	4.156	100.821	-150.00
-4.144	100.869	-150.00	-4.000	101.086	-2.00	1392+0.000	101.166	100.849	0.317	4.000	101.086	-2.00	4.172	100.828	-150.00
-4.202	100.813	-150.00	-4.000	101.115	-2.00	1393+0.000	101.195	100.848	0.347	4.000	101.115	-2.00	4.156	100.882	-150.00
-4.239	100.786	-150.00	-4.000	101.145	-2.00	1394+0.000	101.225	100.831	0.395	4.000	101.145	-2.00	4.181	100.874	-150.00
-4.194	100.931	-150.00	-4.000	101.222	-2.00	1395+0.000	101.302	100.912	0.391	4.000	101.222	-2.00	4.218	100.896	-150.00
-4.188	101.123	-150.00	-4.000	101.405	-2.00	1396+0.000	101.485	101.105	0.380	4.000	101.405	-2.00	4.212	101.087	-150.00
-4.189	101.304	-150.00	-4.000	101.588	-2.00	1397+0.000	101.668	101.293	0.375	4.000	101.588	-2.00	4.209	101.275	-150.00
-4.168	101.411	-150.00	-4.000	101.663	-2.00	1398+0.000	101.743	101.374	0.369	4.000	101.663	-2.00	4.218	101.336	-150.00
-4.174	101.360	-150.00	-4.000	101.621	-2.00	1399+0.000	101.701	101.323	0.378	4.000	101.621	-2.00	4.224	101.285	-150.00
-4.181	101.306	-150.00	-4.000	101.578	-2.00	1400+0.000	101.658	101.274	0.385	4.000	101.578	-2.00	4.227	101.238	-150.00
-4.185	101.289	-150.00	-4.000	101.567	-2.00	1401+0.000	101.647	101.252	0.396	4.000	101.567	-2.00	4.236	101.214	-150.00
-4.171	101.332	-150.00	-4.000	101.588	-2.00	1402+0.000	101.668	101.298	0.370	4.000	101.588	-2.00	4.227	101.248	-150.00
-4.175	101.347	-150.00	-4.000	101.609	-2.00	1403+0.000	101.689	101.299	0.390	4.000	101.609	-2.00	4.243	101.244	-150.00
-4.191	101.369	-150.00	-4.000	101.656	-2.00	1404+0.000	101.736	101.334	0.402	4.000	101.656	-2.00	4.238	101.299	-150.00
-4.202	101.503	-150.00	-4.000	101.807	-2.00	1405+0.000	101.887	101.467	0.419	4.000	101.807	-2.00	4.250	101.431	-150.00
-4.210	101.642	-150.00	-4.000	101.958	-2.00	1406+0.000	102.038	101.609	0.429	4.000	101.958	-2.00	4.255	101.575	-150.00
-4.210	101.794	-150.00	-4.000	102.109	-2.00	1407+0.000	102.189	101.761	0.428	4.000	102.109	-2.00	4.251	101.732	-150.00
-4.211	101.944	-150.00	-4.000	102.260	-2.00	1408+0.000	102.340	101.918	0.422	4.000	102.260	-2.00	4.206	101.951	-150.00
-4.210	102.094	-150.00	-4.000	102.408	-2.00	1409+0.000	102.488	102.127	0.361	4.000	102.408	-2.00	4.166	102.160	-150.00
-4.180	102.285	-150.00	-4.000	102.556	-2.00	1410+0.000	102.636	102.292	0.343	4.000	102.556	-2.00	4.162	102.312	-150.00
-4.209	102.390	-150.00	-4.000	102.703	-2.00	1411+0.000	102.783	102.406	0.377	4.000	102.703	-2.00	4.187	102.423	-150.00
-4.218	102.402	-150.00	-4.000	102.729	-2.00	1412+0.000	102.809	102.462	0.347	4.000	102.729	-2.00	4.139	102.520	-150.00
-4.221	102.341	-150.00	-4.000	102.673	-2.00	1413+0.000	102.753	102.353	0.399	4.000	102.673	-2.00	4.191	102.387	-150.00
-4.248	102.473	-150.00	-4.000	102.846	-2.00	1414+0.000	102.926	102.512	0.414	4.000	102.846	-2.00	4.198	102.549	-150.00
-4.280	102.607	-150.00	-4.000	103.027	-2.00	1415+0.000	103.107	102.664	0.443	4.000	103.027	-2.00	4.200	102.727	-150.00
-4.237	102.917	-150.00	-4.000	103.273	-2.00	1416+0.000	103.353	102.968	0.386	4.000	103.273	-2.00	4.171	103.017	-150.00
-4.233	103.232	-150.00	-4.000	103.581	-2.00	1417+0.000	103.661	103.271	0.390	4.000	103.581	-2.00	4.181	103.309	-150.00
-4.212	103.433	-150.00	-4.000	103.751	-2.00	1418+0.000	103.831	103.506	0.325	4.000	103.751	-2.00	4.131	103.555	-150.00
-4.198	103.559	-150.00	-4.000	103.855	-2.00	1419+0.000	103.935	103.608	0.327	4.000	103.855	-2.00	4.133	103.656	-150.00
-4.241	103.562	-150.00	-4.000	103.924	-2.00	1420+0.000	104.004	103.612	0.392	4.000	103.924	-2.00	4.175	103.660	-150.00
-4.233	103.466	-150.00	-4.000	103.815	-2.00	1421+0.000	103.895	103.508	0.388	4.000	103.815	-2.00	4.177	103.550	-150.00
-4.232	103.203	-150.00	-4.000	103.551	-2.00	1422+0.000	103.631	103.245	0.386	4.000	103.551	-2.00	4.175	103.289	-150.00
-4.246	102.901	-150.00	-4.000	103.269	-2.00	1423+0.000	103.349	102.962	0.388	4.000	103.269	-2.00	4.178	103.002	-150.00
-4.291	102.529	-150.00	-4.000	102.964	-2.00	1424+0.000	103.044	102.590	0.454	4.000	102.964	-2.00	4.210	102.650	-150.00
-4.322	102.177	-150.00	-4.000	102.660	-2.00	1425+0.000	102.740	102.234	0.506	4.000	102.660	-2.00	4.242	102.297	-150.00
-4.311	101.887	-150.00	-4.000	102.353	-2.00	1426+0.000	102.433	102.032	0.401	4.000	102.353	-2.00	4.155	102.121	-150.00
-4.301	101.507	-150.00	-4.000	101.959	-2.00	1427+0.000	102.039	101.659	0.379	4.000	101.959	-2.00	4.126	101.770	-150.00
-4.275	101.153	-150.00	-4.000	101.565	-2.00	1428+0.000	101.645	101.268	0.378	4.000	101.565	-2.00	4.120	101.385	-150.00
-4.347	100.930	-150.00	-4.000	101.450	-2.00	1429+0.000	101.530	101.089	0.440	4.000	101.450	-2.00	4.144	101.234	-150.00
-4.476	100.743	-150.00	-4.000	101.457	-2.00	1430+0.000	101.537	100.943	0.595	4.000	101.457	-2.00	4.209	101.144	-150.00
-4.378	100.897	-150.00	-4.000	101.465	-2.00	1431+0.000	101.545	101.106	0.439	4.000	101.465	-2.00	4.112	101.297	-150.00
-4.316	101.231	-150.00	-4.000	101.705	-2.00	1432+0.000	101.785	101.376	0.409	4.000	101.705	-2.00	4.131	101.508	-150.00
-4.314	101.713	-150.00	-4.000	102.184	-2.00	1433+0.000	102.264	101.851	0.413	4.000	102.184	-2.00	4.134	101.983	-150.00
-4.313	102.145	-150.00	-4.000	102.614	-2.00	1434+0.000	102.694	102.271	0.424	4.000	102.614	-2.00	4.149	102.391	-150.00
-4.249	102.478	-150.00	-4.000	102.852	-2.00	1435+0.000	102.932	102.594	0.338	4.000	102.852	-2.00	4.097	102.706	-150.00
-4.245	102.600	-150.00	-4.000	102.968	-2.00	1436+0.000	103.048	102.660	0.388	4.000	102.968	-2.00	4.165	102.720	-150.00
-4.212	102.508	-150.00	-4.000	102.827	-2.00	1437+0.000	102.907	102.567	0.339	4.000	102.827	-2.00	4.128	102.634	-150.00
-4.194	102.395	-150.00	-4.000	102.686	-2.00	1438+0.000	102.766	102.407	0.359	4.000	102.686	-2.00	4.179	102.417	-150.00
-4.207	102.233	-150.00	-4.000	102.544	-2.00	1439+0.000	102.624	102.244	0.381	4.000	102.544	-2.00	4.195	102.252	-150.00
-4.166	102.167	-150.00	-4.000	102.417	-2.00	1440+0.000	102.497	102.126	0.371	4.000	102.417	-2.00	4.200	102.116	-150.00
-4.169	102.239	-150.00	-4.000	102.492	-2.00	1441+0.000	102.572	102.198	0.374	4.000	102.492	-2.00	4.187	102.211	-150.00
-4.188	102.640	-150.00	-4.000	102.922	-2.00	1442+0.000	103.002	102.660	0.342	4.000	102.922	-2.00	4.162	102.679	-150.00
-4.180	103.264	-150.00	-4.000	103.535	-2.00	1443+0.000	103.615	103.201	0.413	4.000	103.535	-2.00	4.259	103.146	-150.00
-4.183	103.676	-150.00	-4.000	103.951	-2.00	1444+0.000	104.031	103.638	0.393	4.000	103.951	-2.00	4.234	103.600	-150.00
-4.161	103.669	-150.00	-4.000	103.911	-2.00	1445+0.000	103.991	103.626	0.366	4.000	103.911	-2.00	4.216	103.587	-150.00
-4.194	103.572	-150.00	-4.000	103.863	-2.00	1446+0.000	103.943	103.552	0.391	4.000	103.863	-2.00	4.221	103.532	-150.00
-4.195	103.488	-150.00	-4.000	103.781	-2.00	1447+0.000	103.861	103.466	0.395	4.000	103.781	-2.00	4.225	103.443	-150.00
-4.166	103.449	-150.00	-4.000	103.699	-2.00	1448+0.000	103.779	103.396	0.383	4.000	103.699	-2.00	4.235	103.346	-150.00
-4.275	103.205	-150.00	-4.000	103.617	-2.00	1449+0.000	103.697	103.229	0.468	4.000	103.617	-2.00	4.243	103.252	-150.00
-4.237	103.180	-150.00	-4.000	103.535	-2.00	1450+0.000	103.615	103.204	0.411	4.000	103.535	-2.00	4.199	103.237	-150.00

Osvaldo Leôncio da S... Filho
Diretor da Diretoria de F... nas
Projetos e Obras - DIPRO
Secretaria das Cidades e Gestão

-4.154	103.413	-150.00	-4.000	103.643	-2.00	1451+0.000	103.723	103.369	0.355	4.000	103.643	-2.00	4.192	103.355	-150.00
-4.195	103.701	-150.00	-4.000	103.993	-2.00	1452+0.000	104.073	103.680	0.393	4.000	103.993	-2.00	4.218	103.667	-150.00
-4.221	104.149	-150.00	-4.000	104.480	-2.00	1453+0.000	104.560	104.071	0.488	4.000	104.480	-2.00	4.272	104.071	-150.00
-4.182	104.756	-150.00	-4.000	105.029	-2.00	1454+0.000	105.109	104.695	0.414	4.000	105.029	-2.00	4.264	104.633	-150.00
-4.186	105.078	-150.00	-4.000	105.356	-2.00	1455+0.000	105.436	105.030	0.407	4.000	105.356	-2.00	4.250	104.981	-150.00
-4.166	105.368	-150.00	-4.000	105.617	-2.00	1456+0.000	105.697	105.295	0.403	4.000	105.617	-2.00	4.261	105.226	-150.00
-4.159	105.602	-150.00	-4.000	105.840	-2.00	1457+0.000	105.920	105.514	0.407	4.000	105.840	-2.00	4.273	105.430	-150.00
-4.157	105.739	-150.00	-4.000	105.974	-2.00	1458+0.000	106.054	105.647	0.406	4.000	105.974	-2.00	4.280	105.553	-150.00
-4.174	105.691	-150.00	-4.000	105.953	-2.00	1459+0.000	106.033	105.601	0.432	4.000	105.953	-2.00	4.277	105.537	-150.00
-4.189	105.528	-150.00	-4.000	105.811	-2.00	1460+0.000	105.891	105.470	0.421	4.000	105.811	-2.00	4.267	105.410	-150.00
-4.190	105.320	-150.00	-4.000	105.605	-2.00	1461+0.000	105.685	105.318	0.367	4.000	105.605	-2.00	4.198	105.308	-150.00
-4.233	105.161	-150.00	-4.000	105.511	-2.00	1462+0.000	105.591	105.201	0.390	4.000	105.511	-2.00	4.181	105.240	-150.00
-4.238	105.317	-150.00	-4.000	105.674	-2.00	1463+0.000	105.754	105.361	0.393	4.000	105.674	-2.00	4.183	105.400	-150.00
-4.237	105.622	-150.00	-4.000	105.977	-2.00	1464+0.000	106.057	105.658	0.400	4.000	105.977	-2.00	4.190	105.692	-150.00
-4.263	105.990	-150.00	-4.000	106.385	-2.00	1465+0.000	106.465	106.019	0.446	4.000	106.385	-2.00	4.224	106.049	-150.00
-4.281	106.380	-150.00	-4.000	106.802	-2.00	1466+0.000	106.882	106.413	0.469	4.000	106.802	-2.00	4.238	106.444	-150.00
-4.243	106.677	-150.00	-4.000	107.042	-2.00	1467+0.000	107.122	106.707	0.414	4.000	107.042	-2.00	4.202	106.738	-150.00
-4.190	106.810	-150.00	-4.000	107.095	-2.00	1468+0.000	107.175	106.844	0.330	4.000	107.095	-2.00	4.175	106.832	-150.00
-4.187	106.765	-150.00	-4.000	107.045	-2.00	1469+0.000	107.125	106.751	0.375	4.000	107.045	-2.00	4.210	106.730	-150.00
-4.162	106.472	-150.00	-4.000	106.715	-2.00	1470+0.000	106.795	106.472	0.322	4.000	106.715	-2.00	4.161	106.473	-150.00
-4.105	106.092	-150.00	-4.000	106.249	-2.00	1471+0.000	106.329	106.094	0.236	4.000	106.249	-2.00	4.103	106.095	-150.00
-4.120	105.604	-150.00	-4.000	105.784	-2.00	1472+0.000	105.864	105.623	0.241	4.000	105.784	-2.00	4.094	105.643	-150.00
-4.115	105.146	-150.00	-4.000	105.319	-2.00	1473+0.000	105.399	105.167	0.232	4.000	105.319	-2.00	4.104	105.163	-150.00
-4.198	104.556	-150.00	-4.000	104.853	-2.00	1474+0.000	104.933	104.529	0.404	4.000	104.853	-2.00	4.234	104.502	-150.00
-4.155	104.129	-150.00	-4.000	104.361	-2.00	1475+0.000	104.441	104.058	0.382	4.000	104.361	-2.00	4.250	103.986	-150.00
-4.136	103.652	-150.00	-4.000	103.856	-2.00	1476+0.000	103.936	103.563	0.373	4.000	103.856	-2.00	4.251	103.479	-150.00
-4.163	103.421	-150.00	-4.000	103.665	-2.00	1477+0.000	103.745	103.317	0.429	4.000	103.665	-2.00	4.304	103.208	-150.00
-4.146	103.290	-150.00	-4.000	103.509	-2.00	1478+0.000	103.589	103.204	0.385	4.000	103.509	-2.00	4.262	103.117	-150.00
-4.151	103.084	-150.00	-4.000	103.310	-2.00	1479+0.000	103.390	102.993	0.397	4.000	103.310	-2.00	4.274	102.899	-150.00
-4.191	102.801	-150.00	-4.000	103.088	-2.00	1480+0.000	103.168	102.791	0.376	4.000	103.088	-2.00	4.210	102.773	-150.00
-4.220	102.536	-150.00	-4.000	102.866	-2.00	1481+0.000	102.946	102.568	0.378	4.000	102.866	-2.00	4.208	102.554	-150.00
-4.283	102.463	-150.00	-4.000	102.887	-2.00	1482+0.000	102.967	102.536	0.431	4.000	102.887	-2.00	4.198	102.590	-150.00
-4.290	102.678	-150.00	-4.000	103.112	-2.00	1483+0.000	103.192	102.736	0.456	4.000	103.112	-2.00	4.213	102.793	-150.00
-4.276	102.924	-150.00	-4.000	103.338	-2.00	1484+0.000	103.418	102.988	0.430	4.000	103.338	-2.00	4.192	103.050	-150.00
-4.267	103.159	-150.00	-4.000	103.559	-2.00	1485+0.000	103.639	103.236	0.403	4.000	103.559	-2.00	4.173	103.300	-150.00
-4.187	103.240	-150.00	-4.000	103.520	-2.00	1486+0.000	103.600	103.262	0.338	4.000	103.520	-2.00	4.157	103.284	-150.00
-4.140	103.170	-150.00	-4.000	103.380	-2.00	1487+0.000	103.460	103.207	0.253	4.000	103.380	-2.00	4.090	103.244	-150.00
-4.137	103.035	-150.00	-4.000	103.240	-2.00	1488+0.000	103.320	103.072	0.248	4.000	103.240	-2.00	4.093	103.100	-150.00
-4.184	102.823	-150.00	-4.000	103.100	-2.00	1489+0.000	103.180	102.875	0.305	4.000	103.100	-2.00	4.116	102.925	-150.00
-4.199	102.584	-150.00	-4.000	102.883	-2.00	1490+0.000	102.963	102.634	0.329	4.000	102.883	-2.00	4.134	102.682	-150.00
-4.178	102.308	-150.00	-4.000	102.575	-2.00	1491+0.000	102.655	102.353	0.302	4.000	102.575	-2.00	4.119	102.397	-150.00
-4.181	101.996	-150.00	-4.000	102.267	-2.00	1492+0.000	102.347	102.016	0.330	4.000	102.267	-2.00	4.176	102.003	-150.00
-4.183	101.684	-150.00	-4.000	101.958	-2.00	1493+0.000	102.038	101.666	0.373	4.000	101.958	-2.00	4.207	101.648	-150.00
-4.175	101.456	-150.00	-4.000	101.719	-2.00	1494+0.000	101.799	101.451	0.348	4.000	101.719	-2.00	4.182	101.446	-150.00
-4.145	101.285	-150.00	-4.000	101.502	-2.00	1495+0.000	101.582	101.296	0.286	4.000	101.502	-2.00	4.129	101.308	-150.00
-4.182	100.994	-150.00	-4.000	101.267	-2.00	1496+0.000	101.347	100.965	0.382	4.000	101.267	-2.00	4.213	100.947	-150.00
-4.187	100.630	-150.00	-4.000	100.910	-2.00	1497+0.000	100.990	100.602	0.388	4.000	100.910	-2.00	4.224	100.575	-150.00
-4.188	100.272	-150.00	-4.000	100.554	-2.00	1498+0.000	100.634	100.245	0.388	4.000	100.554	-2.00	4.223	100.220	-150.00
-4.179	99.967	-150.00	-4.000	100.235	-2.00	1499+0.000	100.315	99.927	0.388	4.000	100.235	-2.00	4.212	99.916	-150.00
-4.169	99.946	-150.00	-4.000	100.198	-2.00	1500+0.000	100.278	99.902	0.377	4.000	100.198	-2.00	4.227	99.858	-150.00
-4.199	100.033	-150.00	-4.000	100.332	-2.00	1501+0.000	100.412	100.012	0.400	4.000	100.332	-2.00	4.228	99.990	-150.00
-4.201	100.272	-150.00	-4.000	100.574	-2.00	1502+0.000	100.654	100.254	0.400	4.000	100.574	-2.00	4.223	100.239	-150.00
-4.191	100.606	-150.00	-4.000	100.892	-2.00	1503+0.000	100.972	100.590	0.382	4.000	100.892	-2.00	4.204	100.586	-150.00
-4.233	100.957	-150.00	-4.000	101.306	-2.00	1504+0.000	101.386	100.960	0.427	4.000	101.306	-2.00	4.229	100.963	-150.00
-4.214	101.422	-150.00	-4.000	101.742	-2.00	1505+0.000	101.822	101.424	0.398	4.000	101.742	-2.00	4.211	101.426	-150.00
-4.226	101.839	-150.00	-4.000	102.179	-2.00	1506+0.000	102.259	101.842	0.416	4.000	102.179	-2.00	4.221	101.847	-150.00
-4.227	102.299	-150.00	-4.000	102.639	-2.00	1507+0.000	102.719	102.302	0.417	4.000	102.639	-2.00	4.217	102.314	-150.00
-4.248	102.736	-150.00	-4.000	103.108	-2.00	1508+0.000	103.188	102.752	0.436	4.000	103.108	-2.00	4.227	102.768	-150.00
-4.189	103.294	-150.00	-4.000	103.577	-2.00	1509+0.000	103.657	103.304	0.353	4.000	103.577	-2.00	4.187	103.296	-150.00
-4.200	103.747	-150.00	-4.000	104.046	-2.00	1510+0.000	104.126	103.736	0.390	4.000	104.046	-2.00	4.214	103.725	-150.00
-4.176	104.359	-150.00	-4.000	104.622	-2.00	1511+0.000	104.702	104.341	0.361	4.000	104.622	-2.00	4.211	104.306	-150.00
-4.175	105.011	-150.00	-4.000	105.273	-2.00	1512+0.000	105.353	104.958	0.395	4.000	105.273	-2.00	4.238	104.915	-150.00
-4.142	105.711	-150.00	-4.000	105.923	-2.00	1513+0.000	106.003	105.638	0.365	4.000	105.923	-2.00	4.248	105.551	-150.00
-4.155	106.280	-150.00	-4.000	106.512	-2.00	1514+0.000	106.592	106.179	0.413	4.000	106.512	-2.00	4.291	106.075	-150.00
-4.150	106.639	-150.00	-4.000	106.864	-2.00	1515+0.000	106.944	106.522	0.423	4.000	106.864	-2.00	4.318	106.387	-150.00
-4.141	106.600	-150.00	-4.000	106.811	-2.00	1516+0.000	106.891	106.533	0.359	4.000	106.811	-2.00	4.254	106.430	-150.00
-4.170	106.365	-150.00	-4.000	106.620	-2.00	1517+0.000	106.700	106.278	0.422	4.000	106.620	-2.00	4.287	106.189	-150.00
-4.138	106.131	-150.00	-4.000	106.337	-2.00	1518+0.000	106.417	106.014	0.404	4.000	106.337	-2.00	4.293	105.898	-150.00
-4.177	105.970	-150.00	-4.000	106.235	-2.00	1519+0.000	106.315	105.899	0.416	4.000	106.235	-2.00	4.272	105.827	-150.00
-4.124	105.690	-150.00	-4.000	105.875	-2.00	1520+0.000	105.955	105.646	0.309	4.000	105.875	-2.00	4.178	105.608	-150.00
-4.145	105.297	-150.00	-4.000	105.514	-2.00	1521+0.000	105.594	105.252	0.342	4.000	105.514	-2.00	4.204	105.207	-150.00
-4.145	104.754	-150.00	-4.000	104.971	-2.00	1522+0.000	105.051	104.749	0.302	4.000	104.971	-2.00	4.151	104.744	-150.00
-4.196	104.101	-150.00	-4.000	104.394	-2.00	1523+0.000	104.474	104.096	0.378	4.000	104.394	-2.00	4.174	104.132	-150.00
-4.228	103.584	-150.00	-4.000	103.926	-2.00	1524+0.000	104.006	103.634	0.371	4.000	103.926	-2.00	4.161	103.684	-150.00
-4.272	103.128	-150.00	-4.000	103.536	-2.00	1525+0.000	103.616	103.255	0.360	4.000	103.536	-2.00	4.099	103.387	-150.00
-4.264	102.931	-150.00	-4.000	103.326	-2.00	1526+0.000	103.406	103.029	0.377	4.000	103.326	-2.00	4.093	103.186	-150.00
-4.289	102.772	-150.00	-4.000	103.206	-2.00	1527+0.000	103.286	102.896	0.390	4.000	103.206	-2.00	4.097	103.060	-150.00
-4.343	102.791	-150.00	-4.000	103.306	-2.00	1528+0.000	103.386	102.927	0.459	4.000	103.306	-2.00	4.136	103.101	-150.00
-4.325	102.995	-150.00	-4.000	103.482	-2.00	1529+0.000	103.562	103.172	0.390	4.000	103.482	-2.00	4.094	103.341	-150.00
-4.309	103.194	-150.00	-4.000	103.658	-2.00	1530+0.000	103.738	103.338	0.400	4.000	103.658	-2.00	4.122	103.475	-150.00
-4.235	103.344	-150.00	-4.000	103.697	-2.00	1531+0.000	103.777	103.463	0.314	4.000	103.697	-2.00	4.080	103.577	-150.00

Osvaldo Leôncio da Silva Filho
Diretor de Programas

-4.200	103.429	-150.00	-4.000	103.728	-2.00	1532+0.000	103.808	103.539	0.269	4.000	103.728	-2.00	4.072	103.620	-150.00
-4.253	103.381	-150.00	-4.000	103.760	-2.00	1533+0.000	103.840	103.463	0.377	4.000	103.760	-2.00	4.144	103.544	-150.00
-4.224	103.195	-150.00	-4.000	103.531	-2.00	1534+0.000	103.611	103.221	0.390	4.000	103.531	-2.00	4.189	103.247	-150.00
-4.154	102.952	-150.00	-4.000	103.183	-2.00	1535+0.000	103.263	102.954	0.310	4.000	103.183	-2.00	4.152	102.955	-150.00
-4.142	102.622	-150.00	-4.000	102.836	-2.00	1536+0.000	102.916	102.624	0.291	4.000	102.836	-2.00	4.139	102.626	-150.00
-4.136	102.284	-150.00	-4.000	102.488	-2.00	1537+0.000	102.568	102.274	0.294	4.000	102.488	-2.00	4.143	102.274	-150.00
-4.160	101.980	-150.00	-4.000	102.220	-2.00	1538+0.000	102.300	101.966	0.334	4.000	102.220	-2.00	4.165	101.972	-150.00
-4.244	101.666	-150.00	-4.000	102.032	-2.00	1539+0.000	102.112	101.661	0.451	4.000	102.032	-2.00	4.211	101.716	-150.00
-4.294	101.404	-150.00	-4.000	101.845	-2.00	1540+0.000	101.925	101.422	0.503	4.000	101.845	-2.00	4.229	101.501	-150.00
-4.267	101.257	-150.00	-4.000	101.658	-2.00	1541+0.000	101.738	101.348	0.389	4.000	101.658	-2.00	4.120	101.478	-150.00
-4.312	101.244	-150.00	-4.000	101.713	-2.00	1542+0.000	101.793	101.367	0.426	4.000	101.713	-2.00	4.151	101.485	-150.00
-4.202	101.834	-150.00	-4.000	102.137	-2.00	1543+0.000	102.217	101.954	0.263	4.000	102.137	-2.00	4.055	102.054	-150.00
-4.201	102.455	-150.00	-4.000	102.757	-2.00	1544+0.000	102.837	102.405	0.431	4.000	102.757	-2.00	4.219	102.428	-150.00
-4.202	103.372	-150.00	-4.000	103.675	-2.00	1545+0.000	103.755	103.331	0.424	4.000	103.675	-2.00	4.256	103.291	-150.00
-4.093	104.457	-150.00	-4.000	104.597	-2.00	1546+0.000	104.677	104.417	0.260	4.000	104.597	-2.00	4.215	104.275	-150.00
-4.154	105.288	-150.00	-4.000	105.518	-2.00	1547+0.000	105.598	105.137	0.462	4.000	105.518	-2.00	4.361	104.977	-150.00
-4.150	106.216	-150.00	-4.000	106.440	-2.00	1548+0.000	106.520	106.066	0.454	4.000	106.440	-2.00	4.354	105.909	-150.00
-4.169	107.103	-150.00	-4.000	107.357	-2.00	1549+0.000	107.437	107.015	0.422	4.000	107.357	-2.00	4.295	106.915	-150.00
-4.222	107.810	-150.00	-4.000	108.142	-2.00	1550+0.000	108.222	107.722	0.500	4.000	108.142	-2.00	4.340	107.632	-150.00
-4.230	108.582	-150.00	-4.000	108.927	-2.00	1551+0.000	109.007	108.550	0.457	4.000	108.927	-2.00	4.273	108.517	-150.00
-4.240	109.042	-150.00	-4.000	109.402	-2.00	1552+0.000	109.482	109.037	0.445	4.000	109.402	-2.00	4.236	109.047	-150.00
-4.217	109.445	-150.00	-4.000	109.771	-2.00	1553+0.000	109.851	109.455	0.396	4.000	109.771	-2.00	4.204	109.465	-150.00
-4.200	109.632	-150.00	-4.000	109.932	-2.00	1554+0.000	110.012	109.642	0.371	4.000	109.932	-2.00	4.187	109.651	-150.00
-4.203	109.789	-150.00	-4.000	110.094	-2.00	1555+0.000	110.174	109.802	0.372	4.000	110.094	-2.00	4.193	109.804	-150.00
-4.229	109.912	-150.00	-4.000	110.255	-2.00	1556+0.000	110.335	109.913	0.422	4.000	110.255	-2.00	4.227	109.914	-150.00
-4.233	110.067	-150.00	-4.000	110.416	-2.00	1557+0.000	110.496	110.089	0.407	4.000	110.416	-2.00	4.201	110.115	-150.00
-4.234	110.332	-150.00	-4.000	110.683	-2.00	1558+0.000	110.763	110.364	0.399	4.000	110.683	-2.00	4.192	110.395	-150.00
-4.256	110.583	-150.00	-4.000	110.967	-2.00	1559+0.000	111.047	110.660	0.386	4.000	110.967	-2.00	4.144	110.750	-150.00
-4.261	110.859	-150.00	-4.000	111.251	-2.00	1560+0.000	111.331	110.929	0.402	4.000	111.251	-2.00	4.169	110.997	-150.00
-4.286	111.106	-150.00	-4.000	111.534	-2.00	1561+0.000	111.614	111.193	0.421	4.000	111.534	-2.00	4.171	111.278	-150.00
-4.276	111.404	-150.00	-4.000	111.818	-2.00	1562+0.000	111.898	111.494	0.404	4.000	111.818	-2.00	4.160	111.578	-150.00
-4.268	111.801	-150.00	-4.000	112.203	-2.00	1563+0.000	112.283	111.867	0.416	4.000	112.203	-2.00	4.181	111.931	-150.00
-4.269	112.098	-150.00	-4.000	112.502	-2.00	1564+0.000	112.582	112.175	0.407	4.000	112.502	-2.00	4.168	112.250	-150.00
-4.296	112.249	-150.00	-4.000	112.692	-2.00	1565+0.000	112.772	112.355	0.417	4.000	112.692	-2.00	4.175	112.430	-150.00
-4.281	112.151	-150.00	-4.000	112.573	-2.00	1566+0.000	112.653	112.289	0.363	4.000	112.573	-2.00	4.100	112.422	-150.00
-4.278	111.991	-150.00	-4.000	112.407	-2.00	1567+0.000	112.487	112.113	0.375	4.000	112.407	-2.00	4.118	112.230	-150.00
-4.323	111.678	-150.00	-4.000	112.162	-2.00	1568+0.000	112.242	111.838	0.404	4.000	112.162	-2.00	4.114	111.991	-150.00
-4.273	111.302	-150.00	-4.000	111.712	-2.00	1569+0.000	111.792	111.453	0.339	4.000	111.712	-2.00	4.077	111.597	-150.00
-4.298	110.586	-150.00	-4.000	111.033	-2.00	1570+0.000	111.113	110.713	0.399	4.000	111.033	-2.00	4.131	110.836	-150.00
-4.252	110.020	-150.00	-4.000	110.398	-2.00	1571+0.000	110.478	110.183	0.295	4.000	110.398	-2.00	4.040	110.338	-150.00
-4.311	109.313	-150.00	-4.000	109.780	-2.00	1572+0.000	109.860	109.512	0.347	4.000	109.780	-2.00	4.053	109.700	-150.00
-4.342	109.000	-150.00	-4.000	109.513	-2.00	1573+0.000	109.593	109.212	0.381	4.000	109.513	-2.00	4.069	109.411	-150.00
-4.313	109.015	-150.00	-4.000	109.483	-2.00	1574+0.000	109.563	109.212	0.352	4.000	109.483	-2.00	4.057	109.397	-150.00
-4.345	108.935	-150.00	-4.000	109.454	-2.00	1575+0.000	109.534	109.142	0.391	4.000	109.454	-2.00	4.078	109.336	-150.00
-4.358	109.071	-150.00	-4.000	109.608	-2.00	1576+0.000	109.688	109.279	0.409	4.000	109.608	-2.00	4.089	109.474	-150.00
-4.361	109.343	-150.00	-4.000	109.884	-2.00	1577+0.000	109.964	109.561	0.403	4.000	109.884	-2.00	4.080	109.765	-150.00
-4.374	109.969	-150.00	-4.000	110.529	-2.00	1578+0.000	110.609	110.157	0.452	4.000	110.529	-2.00	4.127	110.339	-150.00
-4.383	110.636	-150.00	-4.000	111.211	-2.00	1579+0.000	111.291	110.824	0.467	4.000	111.211	-2.00	4.140	111.001	-150.00
-4.336	111.389	-150.00	-4.000	111.892	-2.00	1580+0.000	111.972	111.540	0.432	4.000	111.892	-2.00	4.138	111.685	-150.00
-4.318	111.940	-150.00	-4.000	112.418	-2.00	1581+0.000	112.498	112.077	0.421	4.000	112.418	-2.00	4.140	112.209	-150.00
-4.261	112.218	-150.00	-4.000	112.610	-2.00	1582+0.000	112.690	112.303	0.387	4.000	112.610	-2.00	4.126	112.421	-150.00
-4.261	111.819	-150.00	-4.000	112.210	-2.00	1583+0.000	112.290	111.908	0.382	4.000	112.210	-2.00	4.114	112.040	-150.00
-4.262	111.308	-150.00	-4.000	111.701	-2.00	1584+0.000	111.781	111.403	0.379	4.000	111.701	-2.00	4.100	111.551	-150.00
-4.248	110.710	-150.00	-4.000	111.082	-2.00	1585+0.000	111.162	110.794	0.368	4.000	111.082	-2.00	4.122	110.899	-150.00
-4.239	109.921	-150.00	-4.000	110.279	-2.00	1586+0.000	110.359	110.014	0.346	4.000	110.279	-2.00	4.106	110.120	-150.00
-4.243	109.388	-150.00	-4.000	109.753	-2.00	1587+0.000	109.833	109.464	0.368	4.000	109.753	-2.00	4.130	109.557	-150.00
-4.250	108.993	-150.00	-4.000	109.368	-2.00	1588+0.000	109.448	109.062	0.385	4.000	109.368	-2.00	4.157	109.131	-150.00
-4.242	108.908	-150.00	-4.000	109.272	-2.00	1589+0.000	109.352	108.976	0.376	4.000	109.272	-2.00	4.154	109.041	-150.00
-4.241	108.858	-150.00	-4.000	109.219	-2.00	1590+0.000	109.299	108.915	0.384	4.000	109.219	-2.00	4.160	108.979	-150.00
-4.271	108.866	-150.00	-4.000	109.271	-2.00	1591+0.000	109.351	108.942	0.410	4.000	109.271	-2.00	4.161	109.029	-150.00
-4.302	109.332	-150.00	-4.000	109.786	-2.00	1592+0.000	109.866	109.447	0.419	4.000	109.786	-2.00	4.167	109.534	-150.00
-4.309	109.616	-150.00	-4.000	110.079	-2.00	1593+0.000	110.159	109.749	0.410	4.000	110.079	-2.00	4.201	109.778	-150.00
-4.301	109.743	-150.00	-4.000	110.194	-2.00	1594+0.000	110.274	109.875	0.400	4.000	110.194	-2.00	4.181	109.922	-150.00
-4.282	109.886	-150.00	-4.000	110.309	-2.00	1595+0.000	110.389	110.023	0.366	4.000	110.309	-2.00	4.156	110.075	-150.00
-4.281	110.002	-150.00	-4.000	110.424	-2.00	1596+0.000	110.504	110.139	0.365	4.000	110.424	-2.00	4.150	110.198	-150.00
-4.310	110.062	-150.00	-4.000	110.528	-2.00	1597+0.000	110.608	110.212	0.396	4.000	110.528	-2.00	4.167	110.277	-150.00
-4.318	110.090	-150.00	-4.000	110.567	-2.00	1598+0.000	110.647	110.243	0.404	4.000	110.567	-2.00	4.176	110.303	-150.00
-4.302	110.064	-150.00	-4.000	110.518	-2.00	1599+0.000	110.598	110.204	0.394	4.000	110.518	-2.00	4.181	110.246	-150.00
-4.286	109.938	-150.00	-4.000	110.367	-2.00	1600+0.000	110.447	110.047	0.399	4.000	110.367	-2.00	4.185	110.089	-150.00
-4.266	109.355	-150.00	-4.000	109.754	-2.00	1601+0.000	109.834	109.458	0.376	4.000	109.754	-2.00	4.141	109.542	-150.00
-4.277	108.642	-150.00	-4.000	109.057	-2.00	1602+0.000	109.137	108.768	0.369	4.000	109.057	-2.00	4.120	108.877	-150.00
-4.289	107.955	-150.00	-4.000	108.389	-2.00	1603+0.000	108.469	108.100	0.369	4.000	108.389	-2.00	4.100	108.239	-150.00
-4.275	107.470	-150.00	-4.000	107.883	-2.00	1604+0.000	107.963	107.623	0.340	4.000	107.883	-2.00	4.084	107.757	-150.00
-4.323	107.133	-150.00	-4.000	107.618	-2.00	1605+0.000	107.698	107.248	0.450	4.000	107.618	-2.00	4.145	107.401	-150.00
-4.231	107.249	-150.00	-4.000	107.596	-2.00	1606+0.000	107.676	107.340	0.336	4.000	107.596	-2.00	4.113	107.426	-150.00
-4.245	107.447	-150.00	-4.000	107.815	-2.00	1607+0.000	107.895	107.499	0.395	4.000	107.815	-2.00	4.176	107.551	-150.00
-4.227	107.839	-150.00	-4.000	108.180	-2.00	1608+0.000	108.260	107.894	0.366	4.000	108.180	-2.00	4.156	107.946	-150.00
-4.212	108.229	-150.00	-4.000	108.547	-2.00	1609+0.000	108.627	108.282	0.345	4.000	108.547	-2.00	4.148	108.324	-150.00
-4.196	108.617	-150.00	-4.000	108.911	-2.00	1610+0.000	108.991	108.659	0.332	4.000	108.911	-2.00	4.140	108.700	-150.00
-4.331	108.572	-150.00	-4.000	109.068	-2.00	1611+0.000	109.148	108.680	0.468	4.000	109.068	-2.00	4.189	108.784	-150.00
-4.294	108.444	-150.00	-4.000	108.886	-2.00	1612+0.000	108.966	108.596	0.370	4.000	108.886	-2.00	4.107	108.726	-150.00

Oswaldo Leônicio da Silva
Diretor da Unidade de Projetos
Projetos e Obras - DNOCS
Secretaria dos Recursos Hídricos

-4.300	107.999	-150.00	-4.000	108.448	-2.00	1613+0.000	108.528	108.117	0.411	4.000	108.448	-2.00	4.145	108.230	-150.00
-4.289	107.529	-150.00	-4.000	107.963	-2.00	1614+0.000	108.043	107.666	0.377	4.000	107.963	-2.00	4.111	107.796	-150.00
-4.278	107.008	-150.00	-4.000	107.425	-2.00	1615+0.000	107.505	107.142	0.363	4.000	107.425	-2.00	4.103	107.271	-150.00
-4.291	106.676	-150.00	-4.000	107.113	-2.00	1616+0.000	107.193	106.809	0.383	4.000	107.113	-2.00	4.117	106.938	-150.00
-4.294	106.549	-150.00	-4.000	106.990	-2.00	1617+0.000	107.070	106.684	0.387	4.000	106.990	-2.00	4.115	106.817	-150.00
-4.302	106.706	-150.00	-4.000	107.159	-2.00	1618+0.000	107.239	106.852	0.387	4.000	107.159	-2.00	4.111	106.993	-150.00
-4.310	106.865	-150.00	-4.000	107.330	-2.00	1619+0.000	107.410	107.013	0.398	4.000	107.330	-2.00	4.118	107.154	-150.00
-4.306	107.012	-150.00	-4.000	107.470	-2.00	1620+0.000	107.550	107.156	0.394	4.000	107.470	-2.00	4.117	107.294	-150.00
-4.298	106.839	-150.00	-4.000	107.285	-2.00	1621+0.000	107.365	106.970	0.395	4.000	107.285	-2.00	4.126	107.096	-150.00
-4.257	106.515	-150.00	-4.000	106.901	-2.00	1622+0.000	106.981	106.639	0.342	4.000	106.901	-2.00	4.112	106.733	-150.00
-4.244	105.995	-150.00	-4.000	106.360	-2.00	1623+0.000	106.440	106.092	0.348	4.000	106.360	-2.00	4.116	106.187	-150.00
-4.239	105.464	-150.00	-4.000	105.823	-2.00	1624+0.000	105.903	105.532	0.371	4.000	105.823	-2.00	4.141	105.612	-150.00
-4.239	105.104	-150.00	-4.000	105.463	-2.00	1625+0.000	105.543	105.171	0.372	4.000	105.463	-2.00	4.151	105.236	-150.00
-4.291	104.917	-150.00	-4.000	105.353	-2.00	1626+0.000	105.433	104.971	0.462	4.000	105.353	-2.00	4.219	105.025	-150.00
-4.263	104.922	-150.00	-4.000	105.316	-2.00	1627+0.000	105.396	104.984	0.412	4.000	105.316	-2.00	4.180	105.046	-150.00
-4.262	104.930	-150.00	-4.000	105.323	-2.00	1628+0.000	105.403	104.998	0.405	4.000	105.323	-2.00	4.178	105.056	-150.00
-4.289	104.897	-150.00	-4.000	105.330	-2.00	1629+0.000	105.410	104.992	0.418	4.000	105.330	-2.00	4.183	105.056	-150.00
-4.256	104.954	-150.00	-4.000	105.337	-2.00	1630+0.000	105.417	105.021	0.396	4.000	105.337	-2.00	4.169	105.084	-150.00
-4.254	105.037	-150.00	-4.000	105.418	-2.00	1631+0.000	105.498	105.100	0.398	4.000	105.418	-2.00	4.178	105.151	-150.00
-4.249	105.171	-150.00	-4.000	105.544	-2.00	1632+0.000	105.624	105.220	0.404	4.000	105.544	-2.00	4.188	105.261	-150.00
-4.229	105.190	-150.00	-4.000	105.534	-2.00	1633+0.000	105.614	105.182	0.431	4.000	105.534	-2.00	4.234	105.183	-150.00
-4.206	105.132	-150.00	-4.000	105.442	-2.00	1634+0.000	105.522	105.139	0.382	4.000	105.442	-2.00	4.203	105.137	-150.00
-4.200	104.839	-150.00	-4.000	105.138	-2.00	1635+0.000	105.218	104.854	0.364	4.000	105.138	-2.00	4.179	104.870	-150.00
-4.213	104.514	-150.00	-4.000	104.835	-2.00	1636+0.000	104.915	104.529	0.385	4.000	104.835	-2.00	4.194	104.544	-150.00
-4.251	104.107	-150.00	-4.000	104.485	-2.00	1637+0.000	104.565	104.145	0.420	4.000	104.485	-2.00	4.202	104.182	-150.00
-4.260	103.749	-150.00	-4.000	104.140	-2.00	1638+0.000	104.220	103.825	0.395	4.000	104.140	-2.00	4.167	103.889	-150.00
-4.275	103.412	-150.00	-4.000	103.825	-2.00	1639+0.000	103.905	103.486	0.419	4.000	103.825	-2.00	4.178	103.558	-150.00
-4.250	103.145	-150.00	-4.000	103.520	-2.00	1640+0.000	103.600	103.216	0.384	4.000	103.520	-2.00	4.156	103.287	-150.00
-4.250	102.981	-150.00	-4.000	103.356	-2.00	1641+0.000	103.436	103.050	0.386	4.000	103.356	-2.00	4.159	103.117	-150.00
-4.238	102.923	-150.00	-4.000	103.279	-2.00	1642+0.000	103.359	102.972	0.387	4.000	103.279	-2.00	4.153	103.050	-150.00
-4.276	103.019	-150.00	-4.000	103.433	-2.00	1643+0.000	103.513	103.121	0.392	4.000	103.433	-2.00	4.149	103.209	-150.00
-4.258	103.206	-150.00	-4.000	103.594	-2.00	1644+0.000	103.674	103.246	0.428	4.000	103.594	-2.00	4.206	103.285	-150.00
-4.208	103.385	-150.00	-4.000	103.697	-2.00	1645+0.000	103.777	103.388	0.390	4.000	103.697	-2.00	4.200	103.398	-150.00
-4.218	103.701	-150.00	-4.000	104.029	-2.00	1646+0.000	104.109	103.700	0.409	4.000	104.029	-2.00	4.173	103.770	-150.00
-4.318	104.118	-150.00	-4.000	104.596	-2.00	1647+0.000	104.676	104.190	0.486	4.000	104.596	-2.00	4.224	104.261	-150.00
-4.310	104.718	-150.00	-4.000	105.183	-2.00	1648+0.000	105.263	104.849	0.414	4.000	105.183	-2.00	4.130	104.988	-150.00
-4.322	105.287	-150.00	-4.000	105.771	-2.00	1649+0.000	105.851	105.426	0.424	4.000	105.771	-2.00	4.137	105.565	-150.00
-4.355	105.770	-150.00	-4.000	106.303	-2.00	1650+0.000	106.383	105.964	0.419	4.000	106.303	-2.00	4.104	106.146	-150.00
-4.324	105.818	-150.00	-4.000	106.304	-2.00	1651+0.000	106.384	106.039	0.344	4.000	106.304	-2.00	4.038	106.246	-150.00
-4.309	105.506	-150.00	-4.000	105.969	-2.00	1652+0.000	106.049	105.666	0.383	4.000	105.969	-2.00	4.101	105.818	-150.00
-4.302	105.223	-150.00	-4.000	105.676	-2.00	1653+0.000	105.756	105.378	0.378	4.000	105.676	-2.00	4.100	105.525	-150.00
-4.302	104.929	-150.00	-4.000	105.383	-2.00	1654+0.000	105.463	105.080	0.383	4.000	105.383	-2.00	4.106	105.224	-150.00
-4.299	104.617	-150.00	-4.000	105.065	-2.00	1655+0.000	105.145	104.762	0.383	4.000	105.065	-2.00	4.110	104.900	-150.00
-4.287	104.189	-150.00	-4.000	104.619	-2.00	1656+0.000	104.699	104.331	0.368	4.000	104.619	-2.00	4.101	104.467	-150.00
-4.271	103.770	-150.00	-4.000	104.177	-2.00	1657+0.000	104.257	103.876	0.381	4.000	104.177	-2.00	4.110	104.013	-150.00
-4.269	103.424	-150.00	-4.000	103.828	-2.00	1658+0.000	103.908	103.525	0.383	4.000	103.828	-2.00	4.135	103.625	-150.00
-4.254	103.218	-150.00	-4.000	103.599	-2.00	1659+0.000	103.679	103.331	0.348	4.000	103.599	-2.00	4.106	103.441	-150.00
-4.278	103.110	-150.00	-4.000	103.528	-2.00	1660+0.000	103.608	103.193	0.415	4.000	103.528	-2.00	4.175	103.265	-150.00
-4.238	103.255	-150.00	-4.000	103.612	-2.00	1661+0.000	103.692	103.273	0.420	4.000	103.612	-2.00	4.171	103.356	-150.00
-4.203	103.549	-150.00	-4.000	103.854	-2.00	1662+0.000	103.934	103.582	0.352	4.000	103.854	-2.00	4.159	103.615	-150.00
-4.164	104.006	-150.00	-4.000	104.252	-2.00	1663+0.000	104.332	104.007	0.325	4.000	104.252	-2.00	4.165	104.004	-150.00
-4.197	104.427	-150.00	-4.000	104.722	-2.00	1664+0.000	104.802	104.430	0.372	4.000	104.722	-2.00	4.193	104.433	-150.00
-4.182	104.920	-150.00	-4.000	105.193	-2.00	1665+0.000	105.273	104.898	0.374	4.000	105.193	-2.00	4.203	104.888	-150.00
-4.202	105.247	-150.00	-4.000	105.550	-2.00	1666+0.000	105.630	105.216	0.414	4.000	105.550	-2.00	4.244	105.185	-150.00
-4.179	105.522	-150.00	-4.000	105.790	-2.00	1667+0.000	105.870	105.467	0.402	4.000	105.790	-2.00	4.253	105.411	-150.00
-4.195	105.594	-150.00	-4.000	105.886	-2.00	1668+0.000	105.966	105.538	0.428	4.000	105.886	-2.00	4.267	105.485	-150.00
-4.195	105.689	-150.00	-4.000	105.982	-2.00	1669+0.000	106.062	105.632	0.429	4.000	105.982	-2.00	4.260	105.592	-150.00
-4.184	105.801	-150.00	-4.000	106.078	-2.00	1670+0.000	106.158	105.782	0.375	4.000	106.078	-2.00	4.216	105.754	-150.00
-4.207	105.862	-150.00	-4.000	106.174	-2.00	1671+0.000	106.254	105.847	0.406	4.000	106.174	-2.00	4.228	105.832	-150.00
-4.251	105.944	-150.00	-4.000	106.321	-2.00	1672+0.000	106.401	105.995	0.406	4.000	106.321	-2.00	4.143	106.106	-150.00
-4.285	106.254	-150.00	-4.000	106.681	-2.00	1673+0.000	106.761	106.357	0.404	4.000	106.681	-2.00	4.149	106.458	-150.00
-4.281	106.420	-150.00	-4.000	106.841	-2.00	1674+0.000	106.921	106.526	0.394	4.000	106.841	-2.00	4.141	106.629	-150.00
-4.313	106.580	-150.00	-4.000	107.050	-2.00	1675+0.000	107.130	106.737	0.393	4.000	107.050	-2.00	4.109	106.886	-150.00
-4.241	107.134	-150.00	-4.000	107.495	-2.00	1676+0.000	107.575	107.234	0.342	4.000	107.495	-2.00	4.110	107.330	-150.00
-4.256	107.583	-150.00	-4.000	107.967	-2.00	1677+0.000	108.047	107.679	0.368	4.000	107.967	-2.00	4.117	107.792	-150.00
-4.265	108.042	-150.00	-4.000	108.439	-2.00	1678+0.000	108.519	108.121	0.398	4.000	108.439	-2.00	4.161	108.198	-150.00
-4.269	108.508	-150.00	-4.000	108.911	-2.00	1679+0.000	108.991	108.586	0.405	4.000	108.911	-2.00	4.166	108.662	-150.00
-4.254	108.835	-150.00	-4.000	109.216	-2.00	1680+0.000	109.296	108.893	0.404	4.000	109.216	-2.00	4.169	108.962	-150.00
-4.251	109.014	-150.00	-4.000	109.390	-2.00	1681+0.000	109.470	109.066	0.403	4.000	109.390	-2.00	4.169	109.136	-150.00
-4.260	109.057	-150.00	-4.000	109.448	-2.00	1682+0.000	109.528	109.135	0.393	4.000	109.448	-2.00	4.162	109.204	-150.00
-4.260	108.901	-150.00	-4.000	109.291	-2.00	1683+0.000	109.371	108.979	0.392	4.000	109.291	-2.00	4.161	109.049	-150.00
-4.262	108.705	-150.00	-4.000	109.098	-2.00	1684+0.000	109.178	108.794	0.384	4.000	109.098	-2.00	4.154	108.867	-150.00
-4.251	108.375	-150.00	-4.000	108.752	-2.00	1685+0.000	108.832	108.452	0.380	4.000	108.752	-2.00	4.150	108.527	-150.00
-4.256	108.259	-150.00	-4.000	108.642	-2.00	1686+0.000	108.722	108.334	0.388	4.000	108.642	-2.00	4.172	108.383	-150.00
-4.272	108.333	-150.00	-4.000	108.742	-2.00	1687+0.000	108.822	108.434	0.388	4.000	108.742	-2.00	4.192	108.453	-150.00
-4.218	108.519	-150.00	-4.000	108.846	-2.00	1688+0.000	108.926	108.538	0.388	4.000	108.846	-2.00	4.200	108.545	-150.00
-4.251	108.567	-150.00	-4.000	108.944	-2.00	1689+0.000	109.024	108.632	0.392	4.000	108.944	-2.00	4.172	108.686	-150.00
-4.198	108.612	-150.00	-4.000	108.909	-2.00	1690+0.000	108.989	108.657	0.331	4.000	108.909	-2.00	4.138	108.702	-150.00
-4.206	108.564	-150.00	-4.000	108.873	-2.00	1691+0.000	108.953	108.609	0.344	4.000	108.873	-2.00	4.156	108.640	-150.00
-4.261	108.423	-150.00	-4.000	108.815	-2.00	1692+0.000	108.895	108.474	0.421	4.000	108.815	-2.00	4.214	108.494	-150.00
-4.293	108.107	-150.00	-4.000	108.547	-2.00	1693+0.000	108.627	108.195	0.432	4.000	108.547	-2.00	4.178	108.280	-150.00

Osvaldo Leôncio da Silveira
Diretor da Unidade de Projetos e Obras - DUPO
Secretaria das Cidades (SCID)

-4.276	107.659	-150.00	-4.000	108.073	-2.00	1694+0.000	108.153	107.747	0.406	4.000	108.073	-2.00	4.160	107.833	-150.00
-4.237	107.165	-150.00	-4.000	107.520	-2.00	1695+0.000	107.600	107.240	0.361	4.000	107.520	-2.00	4.138	107.313	-150.00
-4.218	106.524	-150.00	-4.000	106.850	-2.00	1696+0.000	106.930	106.604	0.327	4.000	106.850	-2.00	4.111	106.684	-150.00
-4.239	105.819	-150.00	-4.000	106.178	-2.00	1697+0.000	106.258	105.891	0.366	4.000	106.178	-2.00	4.143	105.964	-150.00
-4.213	105.109	-150.00	-4.000	105.429	-2.00	1698+0.000	105.509	105.150	0.360	4.000	105.429	-2.00	4.159	105.191	-150.00
-4.234	104.331	-150.00	-4.000	104.681	-2.00	1699+0.000	104.761	104.367	0.394	4.000	104.681	-2.00	4.183	104.407	-150.00
-4.196	103.638	-150.00	-4.000	103.933	-2.00	1700+0.000	104.013	103.665	0.347	4.000	103.933	-2.00	4.161	103.691	-150.00
-4.177	102.918	-150.00	-4.000	103.185	-2.00	1701+0.000	103.265	102.927	0.337	4.000	103.185	-2.00	4.166	102.936	-150.00
-4.215	102.113	-150.00	-4.000	102.436	-2.00	1702+0.000	102.516	102.146	0.370	4.000	102.436	-2.00	4.171	102.179	-150.00
-4.229	101.382	-150.00	-4.000	101.725	-2.00	1703+0.000	101.805	101.438	0.367	4.000	101.725	-2.00	4.155	101.492	-150.00
-4.205	100.789	-150.00	-4.000	101.097	-2.00	1704+0.000	101.177	100.813	0.364	4.000	101.097	-2.00	4.148	100.875	-150.00
-4.200	100.389	-150.00	-4.000	100.689	-2.00	1705+0.000	100.769	100.374	0.395	4.000	100.689	-2.00	4.161	100.447	-150.00
-4.203	100.109	-150.00	-4.000	100.413	-2.00	1706+0.000	100.493	100.112	0.382	4.000	100.413	-2.00	4.176	100.149	-150.00
-4.222	100.146	-150.00	-4.000	100.478	-2.00	1707+0.000	100.558	100.165	0.393	4.000	100.478	-2.00	4.196	100.185	-150.00
-4.250	100.294	-150.00	-4.000	100.669	-2.00	1708+0.000	100.749	100.316	0.433	4.000	100.669	-2.00	4.220	100.338	-150.00
-4.264	100.497	-150.00	-4.000	100.893	-2.00	1709+0.000	100.973	100.521	0.452	4.000	100.893	-2.00	4.232	100.545	-150.00
-4.226	100.771	-150.00	-4.000	101.109	-2.00	1710+0.000	101.189	100.801	0.388	4.000	101.109	-2.00	4.185	100.832	-150.00
-4.205	100.958	-150.00	-4.000	101.266	-2.00	1711+0.000	101.346	100.984	0.361	4.000	101.266	-2.00	4.169	101.013	-150.00
-4.226	101.076	-150.00	-4.000	101.414	-2.00	1712+0.000	101.494	101.103	0.391	4.000	101.414	-2.00	4.190	101.130	-150.00
-4.248	100.988	-150.00	-4.000	101.359	-2.00	1713+0.000	101.439	101.003	0.437	4.000	101.359	-2.00	4.228	101.017	-150.00
-4.236	100.951	-150.00	-4.000	101.305	-2.00	1714+0.000	101.385	100.967	0.418	4.000	101.305	-2.00	4.215	100.983	-150.00
-4.214	100.928	-150.00	-4.000	101.250	-2.00	1715+0.000	101.330	100.924	0.406	4.000	101.250	-2.00	4.220	100.920	-150.00
-4.209	101.044	-150.00	-4.000	101.358	-2.00	1716+0.000	101.438	101.047	0.391	4.000	101.358	-2.00	4.205	101.050	-150.00
-4.213	101.229	-150.00	-4.000	101.549	-2.00	1717+0.000	101.629	101.231	0.397	4.000	101.549	-2.00	4.209	101.235	-150.00
-4.222	101.511	-150.00	-4.000	101.844	-2.00	1718+0.000	101.924	101.512	0.412	4.000	101.844	-2.00	4.221	101.513	-150.00
-4.225	101.802	-150.00	-4.000	102.139	-2.00	1719+0.000	102.219	101.803	0.417	4.000	102.139	-2.00	4.224	101.804	-150.00
-4.200	102.019	-150.00	-4.000	102.320	-2.00	1720+0.000	102.400	102.014	0.386	4.000	102.320	-2.00	4.207	102.009	-150.00
-4.160	102.052	-150.00	-4.000	102.292	-2.00	1721+0.000	102.372	102.022	0.350	4.000	102.292	-2.00	4.200	101.992	-150.00
-4.174	102.003	-150.00	-4.000	102.264	-2.00	1722+0.000	102.344	101.970	0.374	4.000	102.264	-2.00	4.216	101.940	-150.00
-4.162	101.995	-150.00	-4.000	102.237	-2.00	1723+0.000	102.317	101.963	0.354	4.000	102.237	-2.00	4.204	101.931	-150.00
-4.168	101.957	-150.00	-4.000	102.209	-2.00	1724+0.000	102.289	101.914	0.376	4.000	102.209	-2.00	4.226	101.870	-150.00
-4.192	102.042	-150.00	-4.000	102.329	-2.00	1725+0.000	102.409	102.019	0.390	4.000	102.329	-2.00	4.215	102.007	-150.00
-4.209	102.323	-150.00	-4.000	102.636	-2.00	1726+0.000	102.716	102.305	0.411	4.000	102.636	-2.00	4.227	102.295	-150.00
-4.232	102.831	-150.00	-4.000	103.179	-2.00	1727+0.000	103.259	102.811	0.448	4.000	103.179	-2.00	4.252	102.802	-150.00
-4.264	103.356	-150.00	-4.000	103.752	-2.00	1728+0.000	103.832	103.368	0.464	4.000	103.752	-2.00	4.248	103.380	-150.00
-4.265	103.950	-150.00	-4.000	104.347	-2.00	1729+0.000	104.427	104.002	0.425	4.000	104.347	-2.00	4.196	104.054	-150.00
-4.269	104.539	-150.00	-4.000	104.943	-2.00	1730+0.000	105.023	104.601	0.422	4.000	104.943	-2.00	4.188	104.661	-150.00
-4.260	105.127	-150.00	-4.000	105.517	-2.00	1731+0.000	105.597	105.196	0.401	4.000	105.517	-2.00	4.176	105.252	-150.00
-4.257	105.580	-150.00	-4.000	105.965	-2.00	1732+0.000	106.045	105.625	0.421	4.000	105.965	-2.00	4.197	105.669	-150.00
-4.227	105.946	-150.00	-4.000	106.287	-2.00	1733+0.000	106.367	105.972	0.395	4.000	106.287	-2.00	4.193	105.997	-150.00
-4.208	106.248	-150.00	-4.000	106.559	-2.00	1734+0.000	106.639	106.277	0.362	4.000	106.559	-2.00	4.169	106.306	-150.00
-4.172	106.561	-150.00	-4.000	106.819	-2.00	1735+0.000	106.899	106.562	0.336	4.000	106.819	-2.00	4.170	106.564	-150.00
-4.215	106.749	-150.00	-4.000	107.072	-2.00	1736+0.000	107.152	106.755	0.397	4.000	107.072	-2.00	4.211	106.755	-150.00
-4.220	106.838	-150.00	-4.000	107.168	-2.00	1737+0.000	107.248	106.853	0.395	4.000	107.168	-2.00	4.200	106.867	-150.00
-4.222	106.930	-150.00	-4.000	107.263	-2.00	1738+0.000	107.343	106.951	0.392	4.000	107.263	-2.00	4.194	106.972	-150.00
-4.224	107.023	-150.00	-4.000	107.359	-2.00	1739+0.000	107.439	107.045	0.394	4.000	107.359	-2.00	4.195	107.067	-150.00
-4.219	107.127	-150.00	-4.000	107.454	-2.00	1740+0.000	107.534	107.146	0.388	4.000	107.454	-2.00	4.192	107.166	-150.00
-4.232	107.196	-150.00	-4.000	107.543	-2.00	1741+0.000	107.623	107.215	0.408	4.000	107.543	-2.00	4.205	107.235	-150.00
-4.237	107.219	-150.00	-4.000	107.574	-2.00	1742+0.000	107.654	107.258	0.395	4.000	107.574	-2.00	4.194	107.283	-150.00
-4.248	107.203	-150.00	-4.000	107.575	-2.00	1743+0.000	107.655	107.264	0.392	4.000	107.575	-2.00	4.192	107.288	-150.00
-4.245	107.086	-150.00	-4.000	107.454	-2.00	1744+0.000	107.534	107.146	0.389	4.000	107.454	-2.00	4.178	107.187	-150.00
-4.227	107.104	-150.00	-4.000	107.444	-2.00	1745+0.000	107.524	107.134	0.389	4.000	107.444	-2.00	4.185	107.166	-150.00
-4.234	107.187	-150.00	-4.000	107.537	-2.00	1746+0.000	107.617	107.219	0.399	4.000	107.537	-2.00	4.191	107.250	-150.00
-4.210	107.143	-150.00	-4.000	107.458	-2.00	1747+0.000	107.538	107.149	0.389	4.000	107.458	-2.00	4.202	107.154	-150.00
-4.172	106.991	-150.00	-4.000	107.248	-2.00	1748+0.000	107.328	106.995	0.333	4.000	107.248	-2.00	4.166	106.999	-150.00
-4.173	106.751	-150.00	-4.000	107.011	-2.00	1749+0.000	107.091	106.707	0.384	4.000	107.011	-2.00	4.232	106.662	-150.00
-4.186	106.387	-150.00	-4.000	106.667	-2.00	1750+0.000	106.747	106.315	0.432	4.000	106.667	-2.00	4.278	106.250	-150.00
-4.156	106.088	-150.00	-4.000	106.323	-2.00	1751+0.000	106.403	106.011	0.392	4.000	106.323	-2.00	4.261	105.931	-150.00
-4.137	105.863	-150.00	-4.000	106.068	-2.00	1752+0.000	106.148	105.742	0.405	4.000	106.068	-2.00	4.300	105.618	-150.00
-4.139	105.704	-150.00	-4.000	105.913	-2.00	1753+0.000	105.993	105.591	0.402	4.000	105.913	-2.00	4.293	105.474	-150.00
-4.138	105.575	-150.00	-4.000	105.781	-2.00	1754+0.000	105.861	105.465	0.396	4.000	105.781	-2.00	4.286	105.351	-150.00
-4.139	105.599	-150.00	-4.000	105.808	-2.00	1755+0.000	105.888	105.493	0.396	4.000	105.808	-2.00	4.285	105.381	-150.00
-4.169	105.583	-150.00	-4.000	105.837	-2.00	1756+0.000	105.917	105.500	0.416	4.000	105.837	-2.00	4.277	105.420	-150.00
-4.157	105.627	-150.00	-4.000	105.863	-2.00	1757+0.000	105.943	105.550	0.394	4.000	105.863	-2.00	4.263	105.469	-150.00
-4.172	105.336	-150.00	-4.000	105.593	-2.00	1758+0.000	105.673	105.306	0.368	4.000	105.593	-2.00	4.212	105.275	-150.00
-4.164	105.077	-150.00	-4.000	105.323	-2.00	1759+0.000	105.403	105.035	0.369	4.000	105.323	-2.00	4.221	104.992	-150.00
-4.172	104.626	-150.00	-4.000	104.883	-2.00	1760+0.000	104.963	104.616	0.347	4.000	104.883	-2.00	4.184	104.607	-150.00
-4.192	104.148	-150.00	-4.000	104.436	-2.00	1761+0.000	104.516	104.134	0.382	4.000	104.436	-2.00	4.211	104.120	-150.00
-4.213	103.696	-150.00	-4.000	104.014	-2.00	1762+0.000	104.094	103.729	0.366	4.000	104.014	-2.00	4.169	103.762	-150.00
-4.235	103.296	-150.00	-4.000	103.649	-2.00	1763+0.000	103.729	103.351	0.378	4.000	103.649	-2.00	4.170	103.394	-150.00
-4.267	103.006	-150.00	-4.000	103.406	-2.00	1764+0.000	103.486	103.084	0.402	4.000	103.406	-2.00	4.172	103.147	-150.00
-4.274	102.785	-150.00	-4.000	103.196	-2.00	1765+0.000	103.276	102.864	0.412	4.000	103.196	-2.00	4.183	102.921	-150.00
-4.244	102.619	-150.00	-4.000	102.986	-2.00	1766+0.000	103.066	102.673	0.393	4.000	102.986	-2.00	4.173	102.726	-150.00
-4.239	102.400	-150.00	-4.000	102.758	-2.00	1767+0.000	102.838	102.452	0.386	4.000	102.758	-2.00	4.169	102.504	-150.00
-4.146	102.303	-150.00	-4.000	102.522	-2.00	1768+0.000	102.602	102.318	0.284	4.000	102.522	-2.00	4.126	102.332	-150.00
-4.133	102.086	-150.00	-4.000	102.286	-2.00	1769+0.000	102.366	102.063	0.303	4.000	102.286	-2.00	4.164	102.040	-150.00
-4.150	101.826	-150.00	-4.000	102.050	-2.00	1770+0.000	102.130	101.806	0.324	4.000	102.050	-2.00	4.176	101.786	-150.00
-4.166	101.569	-150.00	-4.000	101.818	-2.00	1771+0.000	101.898	101.510	0.388	4.000	101.818	-2.00	4.240	101.459	-150.00
-4.058	101.645	-150.00	-4.000	101.732	-2.00	1772+0.000	101.812	101.599	0.213	4.000	101.732	-2.00	4.158	101.495	-150.00
-4.065	101.549	-150.00	-4.000	101.646	-2.00	1773+0.000	101.726	101.418	0.308	4.000	101.646	-2.00	4.243	101.281	-150.00
-4.109	101.370	-150.00	-4.000	101.534	-2.00	1774+0.000	101.614	101.225	0.389	4.000	101.534	-2.00	4.317	101.058	-150.00

Osvaldo Leôncio da Silv
Diretor da Diretoria de
Projetos e Obras
Secretaria das Cidades

-4.126	101.096	-150.00	-4.000	101.285	-2.00	1775+0.000	101.365	100.976	0.390	4.000	101.285	-2.00	4.317	100.810	-150.00
-4.107	100.777	-150.00	-4.000	100.938	-2.00	1776+0.000	101.018	100.645	0.373	4.000	100.938	-2.00	4.314	100.468	-150.00
-4.096	100.293	-150.00	-4.000	100.436	-2.00	1777+0.000	100.516	100.158	0.358	4.000	100.436	-2.00	4.285	100.009	-150.00
-4.078	99.817	-150.00	-4.000	99.934	-2.00	1778+0.000	100.014	99.691	0.323	4.000	99.934	-2.00	4.249	99.561	-150.00
-4.110	99.263	-150.00	-4.000	99.429	-2.00	1779+0.000	99.509	99.137	0.372	4.000	99.429	-2.00	4.273	99.020	-150.00
-4.110	98.674	-150.00	-4.000	98.839	-2.00	1780+0.000	98.919	98.564	0.355	4.000	98.839	-2.00	4.259	98.450	-150.00
-4.120	98.068	-150.00	-4.000	98.249	-2.00	1781+0.000	98.329	97.958	0.371	4.000	98.249	-2.00	4.270	97.843	-150.00
-4.109	97.573	-150.00	-4.000	97.736	-2.00	1782+0.000	97.816	97.438	0.377	4.000	97.736	-2.00	4.286	97.307	-150.00
-4.121	97.376	-150.00	-4.000	97.556	-2.00	1783+0.000	97.636	97.270	0.367	4.000	97.556	-2.00	4.264	97.160	-150.00
-4.152	97.231	-150.00	-4.000	97.459	-2.00	1784+0.000	97.539	97.152	0.386	4.000	97.459	-2.00	4.258	97.071	-150.00
-4.150	97.230	-150.00	-4.000	97.455	-2.00	1785+0.000	97.535	97.138	0.397	4.000	97.455	-2.00	4.226	97.115	-150.00
-4.209	97.474	-150.00	-4.000	97.788	-2.00	1786+0.000	97.868	97.458	0.410	4.000	97.788	-2.00	4.231	97.441	-150.00
-4.199	97.659	-150.00	-4.000	97.957	-2.00	1787+0.000	98.037	97.615	0.422	4.000	97.957	-2.00	4.258	97.570	-150.00
-4.223	97.760	-150.00	-4.000	98.094	-2.00	1788+0.000	98.174	97.712	0.463	4.000	98.094	-2.00	4.288	97.663	-150.00
-4.194	97.940	-150.00	-4.000	98.232	-2.00	1789+0.000	98.312	97.871	0.441	4.000	98.232	-2.00	4.288	97.799	-150.00
-4.192	98.081	-150.00	-4.000	98.369	-2.00	1790+0.000	98.449	98.001	0.449	4.000	98.369	-2.00	4.305	97.911	-150.00
-4.161	98.266	-150.00	-4.000	98.507	-2.00	1791+0.000	98.587	98.179	0.407	4.000	98.507	-2.00	4.277	98.092	-150.00
-4.133	98.397	-150.00	-4.000	98.597	-2.00	1792+0.000	98.677	98.291	0.386	4.000	98.597	-2.00	4.277	98.181	-150.00
-4.110	98.472	-150.00	-4.000	98.637	-2.00	1793+0.000	98.717	98.372	0.344	4.000	98.637	-2.00	4.245	98.269	-150.00
-4.140	98.461	-150.00	-4.000	98.671	-2.00	1794+0.000	98.751	98.362	0.389	4.000	98.671	-2.00	4.274	98.259	-150.00
-4.168	98.302	-150.00	-4.000	98.553	-2.00	1795+0.000	98.633	98.217	0.416	4.000	98.553	-2.00	4.270	98.149	-150.00
-4.164	98.182	-150.00	-4.000	98.428	-2.00	1796+0.000	98.508	98.116	0.392	4.000	98.428	-2.00	4.253	98.048	-150.00
-4.187	97.864	-150.00	-4.000	98.145	-2.00	1797+0.000	98.225	97.825	0.400	4.000	98.145	-2.00	4.231	97.798	-150.00
-4.190	97.574	-150.00	-4.000	97.858	-2.00	1798+0.000	97.938	97.564	0.375	4.000	97.858	-2.00	4.204	97.553	-150.00
-4.213	97.304	-150.00	-4.000	97.623	-2.00	1799+0.000	97.703	97.309	0.395	4.000	97.623	-2.00	4.206	97.314	-150.00
-4.173	97.305	-150.00	-4.000	97.564	-2.00	1800+0.000	97.644	97.286	0.357	4.000	97.564	-2.00	4.197	97.268	-150.00
-4.176	97.248	-150.00	-4.000	97.512	-2.00	1801+0.000	97.592	97.200	0.392	4.000	97.512	-2.00	4.207	97.201	-150.00
-4.108	97.356	-150.00	-4.000	97.518	-2.00	1802+0.000	97.598	97.345	0.253	4.000	97.518	-2.00	4.123	97.333	-150.00
-4.171	97.267	-150.00	-4.000	97.524	-2.00	1803+0.000	97.604	97.233	0.371	4.000	97.524	-2.00	4.215	97.202	-150.00
-4.257	97.145	-150.00	-4.000	97.531	-2.00	1804+0.000	97.611	97.134	0.477	4.000	97.531	-2.00	4.262	97.138	-150.00
-4.239	97.179	-150.00	-4.000	97.537	-2.00	1805+0.000	97.617	97.162	0.455	4.000	97.537	-2.00	4.262	97.145	-150.00
-4.195	97.251	-150.00	-4.000	97.543	-2.00	1806+0.000	97.623	97.230	0.394	4.000	97.543	-2.00	4.223	97.209	-150.00
-4.196	97.333	-150.00	-4.000	97.626	-2.00	1807+0.000	97.706	97.342	0.364	4.000	97.626	-2.00	4.184	97.351	-150.00
-4.180	97.505	-150.00	-4.000	97.775	-2.00	1808+0.000	97.855	97.505	0.350	4.000	97.775	-2.00	4.180	97.505	-150.00
-4.241	97.563	-150.00	-4.000	97.925	-2.00	1809+0.000	98.005	97.548	0.457	4.000	97.925	-2.00	4.245	97.557	-150.00
-4.226	97.735	-150.00	-4.000	98.074	-2.00	1810+0.000	98.154	97.757	0.397	4.000	98.074	-2.00	4.196	97.780	-150.00
-4.203	97.903	-150.00	-4.000	98.208	-2.00	1811+0.000	98.288	97.902	0.386	4.000	98.208	-2.00	4.210	97.892	-150.00
-4.177	97.663	-150.00	-4.000	97.929	-2.00	1812+0.000	98.009	97.671	0.338	4.000	97.929	-2.00	4.163	97.685	-150.00
-4.172	97.383	-150.00	-4.000	97.640	-2.00	1813+0.000	97.720	97.353	0.368	4.000	97.640	-2.00	4.212	97.323	-150.00
-4.182	97.078	-150.00	-4.000	97.352	-2.00	1814+0.000	97.432	97.053	0.379	4.000	97.352	-2.00	4.217	97.027	-150.00
-4.183	96.957	-150.00	-4.000	97.231	-2.00	1815+0.000	97.311	96.917	0.394	4.000	97.231	-2.00	4.236	96.877	-150.00
-4.222	97.138	-150.00	-4.000	97.471	-2.00	1816+0.000	97.551	97.159	0.392	4.000	97.471	-2.00	4.194	97.180	-150.00
-4.219	97.484	-150.00	-4.000	97.813	-2.00	1817+0.000	97.893	97.494	0.399	4.000	97.813	-2.00	4.206	97.504	-150.00
-4.242	97.744	-150.00	-4.000	98.107	-2.00	1818+0.000	98.187	97.757	0.430	4.000	98.107	-2.00	4.225	97.770	-150.00
-4.215	98.079	-150.00	-4.000	98.401	-2.00	1819+0.000	98.481	98.047	0.434	4.000	98.401	-2.00	4.223	98.067	-150.00
-4.203	98.390	-150.00	-4.000	98.695	-2.00	1820+0.000	98.775	98.361	0.414	4.000	98.695	-2.00	4.207	98.385	-150.00
-4.210	98.723	-150.00	-4.000	99.038	-2.00	1821+0.000	99.118	98.710	0.408	4.000	99.038	-2.00	4.210	98.723	-150.00
-4.223	99.110	-150.00	-4.000	99.445	-2.00	1822+0.000	99.525	99.126	0.399	4.000	99.445	-2.00	4.216	99.121	-150.00
-4.215	99.356	-150.00	-4.000	99.679	-2.00	1823+0.000	99.759	99.352	0.407	4.000	99.679	-2.00	4.220	99.348	-150.00
-4.220	99.582	-150.00	-4.000	99.912	-2.00	1824+0.000	99.992	99.598	0.394	4.000	99.912	-2.00	4.206	99.603	-150.00
-4.233	99.796	-150.00	-4.000	100.146	-2.00	1825+0.000	100.226	99.821	0.405	4.000	100.146	-2.00	4.200	99.846	-150.00
-4.300	100.057	-150.00	-4.000	100.507	-2.00	1826+0.000	100.587	100.080	0.507	4.000	100.507	-2.00	4.270	100.102	-150.00
-4.346	100.454	-150.00	-4.000	100.974	-2.00	1827+0.000	101.054	100.497	0.557	4.000	100.974	-2.00	4.289	100.539	-150.00
-4.216	101.119	-150.00	-4.000	101.444	-2.00	1828+0.000	101.524	101.113	0.410	4.000	101.444	-2.00	4.224	101.108	-150.00
-4.210	101.604	-150.00	-4.000	101.920	-2.00	1829+0.000	102.000	101.588	0.412	4.000	101.920	-2.00	4.237	101.565	-150.00
-4.126	101.914	-150.00	-4.000	102.103	-2.00	1830+0.000	102.183	101.905	0.278	4.000	102.103	-2.00	4.148	101.880	-150.00
-4.215	101.877	-150.00	-4.000	102.199	-2.00	1831+0.000	102.279	101.884	0.395	4.000	102.199	-2.00	4.203	101.895	-150.00
-4.154	101.762	-150.00	-4.000	101.993	-2.00	1832+0.000	102.073	101.693	0.379	4.000	101.993	-2.00	4.246	101.624	-150.00
-4.151	101.662	-150.00	-4.000	101.888	-2.00	1833+0.000	101.968	101.577	0.391	4.000	101.888	-2.00	4.265	101.490	-150.00
-4.141	101.659	-150.00	-4.000	101.870	-2.00	1834+0.000	101.950	101.573	0.377	4.000	101.870	-2.00	4.277	101.455	-150.00
-4.138	101.645	-150.00	-4.000	101.852	-2.00	1835+0.000	101.932	101.540	0.392	4.000	101.852	-2.00	4.290	101.417	-150.00
-4.144	101.618	-150.00	-4.000	101.834	-2.00	1836+0.000	101.914	101.506	0.408	4.000	101.834	-2.00	4.292	101.397	-150.00
-4.118	101.570	-150.00	-4.000	101.747	-2.00	1837+0.000	101.827	101.459	0.368	4.000	101.747	-2.00	4.269	101.343	-150.00
-4.116	101.353	-150.00	-4.000	101.527	-2.00	1838+0.000	101.607	101.247	0.360	4.000	101.527	-2.00	4.258	101.140	-150.00
-4.126	101.118	-150.00	-4.000	101.307	-2.00	1839+0.000	101.387	101.015	0.372	4.000	101.307	-2.00	4.261	100.916	-150.00
-4.143	100.867	-150.00	-4.000	101.081	-2.00	1840+0.000	101.161	100.770	0.391	4.000	101.081	-2.00	4.273	100.671	-150.00
-4.157	100.613	-150.00	-4.000	100.848	-2.00	1841+0.000	100.928	100.515	0.413	4.000	100.848	-2.00	4.290	100.413	-150.00
-4.177	100.350	-150.00	-4.000	100.616	-2.00	1842+0.000	100.696	100.253	0.443	4.000	100.616	-2.00	4.309	100.153	-150.00
-4.164	100.138	-150.00	-4.000	100.383	-2.00	1843+0.000	100.463	100.038	0.426	4.000	100.383	-2.00	4.299	99.934	-150.00
-4.169	99.897	-150.00	-4.000	100.151	-2.00	1844+0.000	100.231	99.815	0.416	4.000	100.151	-2.00	4.275	99.738	-150.00
-4.180	99.648	-150.00	-4.000	99.918	-2.00	1845+0.000	99.998	99.588	0.411	4.000	99.918	-2.00	4.247	99.547	-150.00
-4.177	99.422	-150.00	-4.000	99.688	-2.00	1846+0.000	99.768	99.381	0.387	4.000	99.688	-2.00	4.235	99.335	-150.00
-4.209	99.194	-150.00	-4.000	99.508	-2.00	1847+0.000	99.588	99.144	0.444	4.000	99.508	-2.00	4.277	99.093	-150.00
-4.239	98.969	-150.00	-4.000	99.328	-2.00	1848+0.000	99.408	98.926	0.482	4.000	99.328	-2.00	4.298	98.882	-150.00
-4.237	98.794	-150.00	-4.000	99.148	-2.00	1849+0.000	99.228	98.750	0.478	4.000	99.148	-2.00	4.295	98.706	-150.00
-4.185	98.691	-150.00	-4.000	98.969	-2.00	1850+0.000	99.049	98.603	0.446	4.000	98.969	-2.00	4.280	98.549	-150.00
-4.186	98.510	-150.00	-4.000	98.789	-2.00	1851+0.000	98.869	98.454	0.415	4.000	98.789	-2.00	4.249	98.416	-150.00
-4.176	98.346	-150.00	-4.000	98.609	-2.00	1852+0.000	98.689	98.300	0.390	4.000	98.609	-2.00	4.236	98.255	-150.00
-4.205	98.178	-150.00	-4.000	98.486	-2.00	1853+0.000	98.566	98.129	0.436	4.000	98.486	-2.00	4.270	98.080	-150.00
-4.224	98.060	-150.00	-4.000	98.397	-2.00	1854+0.000	98.477	98.027	0.450	4.000	98.397	-2.00	4.269	97.993	-150.00
-4.219	97.979	-150.00	-4.000	98.308	-2.00	1855+0.000	98.388	97.964	0.424	4.000	98.308	-2.00	4.247	97.937	-150.00

...ão Leoncio da Silv... Filho
Diretor ... de Rodovias
Projetos ... Serra - DNIT
Secretaria ... Transportes

-4.211	97.915	-150.00	-4.000	98.232	-2.00	1856+0.000	98.312	97.916	0.396	4.000	98.232	-2.00	4.204	97.926	-150.00
-4.233	97.898	-150.00	-4.000	98.247	-2.00	1857+0.000	98.327	97.908	0.419	4.000	98.247	-2.00	4.217	97.921	-150.00
-4.218	97.934	-150.00	-4.000	98.261	-2.00	1858+0.000	98.341	97.951	0.390	4.000	98.261	-2.00	4.198	97.964	-150.00
-4.223	97.934	-150.00	-4.000	98.269	-2.00	1859+0.000	98.349	97.961	0.388	4.000	98.269	-2.00	4.204	97.964	-150.00
-4.229	97.860	-150.00	-4.000	98.204	-2.00	1860+0.000	98.284	97.890	0.394	4.000	98.204	-2.00	4.200	97.903	-150.00
-4.211	97.664	-150.00	-4.000	97.980	-2.00	1861+0.000	98.060	97.668	0.392	4.000	97.980	-2.00	4.207	97.669	-150.00
-4.202	97.416	-150.00	-4.000	97.718	-2.00	1862+0.000	97.798	97.421	0.377	4.000	97.718	-2.00	4.207	97.408	-150.00
-4.192	97.169	-150.00	-4.000	97.457	-2.00	1863+0.000	97.537	97.155	0.382	4.000	97.457	-2.00	4.211	97.141	-150.00
-4.189	97.027	-150.00	-4.000	97.311	-2.00	1864+0.000	97.391	97.015	0.376	4.000	97.311	-2.00	4.206	97.002	-150.00
-4.194	96.930	-150.00	-4.000	97.221	-2.00	1865+0.000	97.301	96.918	0.383	4.000	97.221	-2.00	4.211	96.905	-150.00
-4.215	96.864	-150.00	-4.000	97.186	-2.00	1866+0.000	97.266	96.874	0.392	4.000	97.186	-2.00	4.201	96.884	-150.00
-4.212	96.865	-150.00	-4.000	97.183	-2.00	1867+0.000	97.263	96.875	0.387	4.000	97.183	-2.00	4.198	96.886	-150.00
-4.203	96.875	-150.00	-4.000	97.179	-2.00	1868+0.000	97.259	96.890	0.369	4.000	97.179	-2.00	4.183	96.905	-150.00
-4.216	96.852	-150.00	-4.000	97.175	-2.00	1869+0.000	97.255	96.867	0.389	4.000	97.175	-2.00	4.189	96.892	-150.00
-4.218	96.917	-150.00	-4.000	97.245	-2.00	1870+0.000	97.325	96.949	0.376	4.000	97.245	-2.00	4.176	96.980	-150.00
-4.177	97.074	-150.00	-4.000	97.339	-2.00	1871+0.000	97.419	97.056	0.363	4.000	97.339	-2.00	4.200	97.038	-150.00
-4.140	97.223	-150.00	-4.000	97.433	-2.00	1872+0.000	97.513	97.134	0.379	4.000	97.433	-2.00	4.210	97.118	-150.00
-4.131	97.331	-150.00	-4.000	97.527	-2.00	1873+0.000	97.607	97.222	0.386	4.000	97.527	-2.00	4.235	97.174	-150.00
-4.157	97.386	-150.00	-4.000	97.622	-2.00	1874+0.000	97.702	97.305	0.397	4.000	97.622	-2.00	4.242	97.258	-150.00
-4.130	97.565	-150.00	-4.000	97.760	-2.00	1875+0.000	97.840	97.525	0.315	4.000	97.760	-2.00	4.154	97.529	-150.00
-4.130	97.787	-150.00	-4.000	97.982	-2.00	1876+0.000	98.062	97.741	0.321	4.000	97.982	-2.00	4.136	97.778	-150.00
-4.155	98.044	-150.00	-4.000	98.277	-2.00	1877+0.000	98.357	97.978	0.379	4.000	98.277	-2.00	4.204	97.970	-150.00
-4.189	98.297	-150.00	-4.000	98.581	-2.00	1878+0.000	98.661	98.259	0.402	4.000	98.581	-2.00	4.241	98.219	-150.00
-4.218	98.358	-150.00	-4.000	98.685	-2.00	1879+0.000	98.765	98.368	0.397	4.000	98.685	-2.00	4.205	98.377	-150.00
-4.220	98.352	-150.00	-4.000	98.682	-2.00	1880+0.000	98.762	98.366	0.396	4.000	98.682	-2.00	4.202	98.379	-150.00
-4.214	98.358	-150.00	-4.000	98.679	-2.00	1881+0.000	98.759	98.372	0.387	4.000	98.679	-2.00	4.195	98.386	-150.00
-4.215	98.363	-150.00	-4.000	98.685	-2.00	1882+0.000	98.765	98.367	0.398	4.000	98.685	-2.00	4.209	98.372	-150.00
-4.243	98.418	-150.00	-4.000	98.783	-2.00	1883+0.000	98.863	98.450	0.413	4.000	98.783	-2.00	4.219	98.455	-150.00
-4.271	98.475	-150.00	-4.000	98.881	-2.00	1884+0.000	98.961	98.520	0.441	4.000	98.881	-2.00	4.208	98.569	-150.00
-4.263	98.584	-150.00	-4.000	98.979	-2.00	1885+0.000	99.059	98.634	0.425	4.000	98.979	-2.00	4.198	98.683	-150.00
-4.259	98.737	-150.00	-4.000	99.126	-2.00	1886+0.000	99.206	98.789	0.417	4.000	99.126	-2.00	4.194	98.834	-150.00
-4.274	98.912	-150.00	-4.000	99.322	-2.00	1887+0.000	99.402	98.965	0.437	4.000	99.322	-2.00	4.203	99.018	-150.00
-4.231	99.173	-150.00	-4.000	99.519	-2.00	1888+0.000	99.599	99.225	0.374	4.000	99.519	-2.00	4.180	99.249	-150.00
-4.228	99.206	-150.00	-4.000	99.548	-2.00	1889+0.000	99.628	99.234	0.394	4.000	99.548	-2.00	4.207	99.237	-150.00
-4.210	99.092	-150.00	-4.000	99.406	-2.00	1890+0.000	99.486	99.117	0.370	4.000	99.406	-2.00	4.176	99.142	-150.00
-4.223	98.930	-150.00	-4.000	99.265	-2.00	1891+0.000	99.345	98.948	0.397	4.000	99.265	-2.00	4.198	98.968	-150.00
-4.239	98.764	-150.00	-4.000	99.123	-2.00	1892+0.000	99.203	98.775	0.428	4.000	99.123	-2.00	4.225	98.786	-150.00
-4.254	98.601	-150.00	-4.000	98.982	-2.00	1893+0.000	99.062	98.603	0.459	4.000	98.982	-2.00	4.251	98.605	-150.00
-4.219	98.511	-150.00	-4.000	98.840	-2.00	1894+0.000	98.920	98.488	0.432	4.000	98.840	-2.00	4.249	98.466	-150.00
-4.183	98.509	-150.00	-4.000	98.783	-2.00	1895+0.000	98.863	98.478	0.385	4.000	98.783	-2.00	4.237	98.428	-150.00
-4.215	98.597	-150.00	-4.000	98.920	-2.00	1896+0.000	99.000	98.538	0.461	4.000	98.920	-2.00	4.294	98.479	-150.00
-4.215	98.733	-150.00	-4.000	99.056	-2.00	1897+0.000	99.136	98.679	0.457	4.000	99.056	-2.00	4.285	98.629	-150.00
-4.193	99.066	-150.00	-4.000	99.355	-2.00	1898+0.000	99.435	99.003	0.432	4.000	99.355	-2.00	4.279	98.937	-150.00
-4.197	99.433	-150.00	-4.000	99.728	-2.00	1899+0.000	99.808	99.344	0.464	4.000	99.728	-2.00	4.303	99.273	-150.00
-4.200	99.801	-150.00	-4.000	100.100	-2.00	1900+0.000	100.180	99.706	0.474	4.000	100.100	-2.00	4.316	99.626	-150.00
-4.220	100.143	-150.00	-4.000	100.472	-2.00	1901+0.000	100.552	100.065	0.487	4.000	100.472	-2.00	4.325	99.985	-150.00
-4.196	100.550	-150.00	-4.000	100.844	-2.00	1902+0.000	100.924	100.478	0.446	4.000	100.844	-2.00	4.293	100.405	-150.00
-4.162	100.974	-150.00	-4.000	101.217	-2.00	1903+0.000	101.297	100.891	0.406	4.000	101.217	-2.00	4.282	100.794	-150.00
-4.188	101.256	-150.00	-4.000	101.537	-2.00	1904+0.000	101.617	101.209	0.408	4.000	101.537	-2.00	4.250	101.162	-150.00
-4.200	101.540	-150.00	-4.000	101.839	-2.00	1905+0.000	101.919	101.494	0.426	4.000	101.839	-2.00	4.262	101.447	-150.00
-4.207	101.831	-150.00	-4.000	102.142	-2.00	1906+0.000	102.222	101.784	0.438	4.000	102.142	-2.00	4.270	101.736	-150.00
-4.205	101.990	-150.00	-4.000	102.297	-2.00	1907+0.000	102.377	101.980	0.397	4.000	102.297	-2.00	4.219	101.969	-150.00
-4.256	101.848	-150.00	-4.000	102.232	-2.00	1908+0.000	102.312	101.917	0.395	4.000	102.232	-2.00	4.203	101.927	-150.00
-4.260	101.536	-150.00	-4.000	101.927	-2.00	1909+0.000	102.007	101.621	0.386	4.000	101.927	-2.00	4.149	101.703	-150.00
-4.253	101.243	-150.00	-4.000	101.622	-2.00	1910+0.000	101.702	101.328	0.375	4.000	101.622	-2.00	4.141	101.410	-150.00
-4.256	100.933	-150.00	-4.000	101.317	-2.00	1911+0.000	101.397	101.020	0.377	4.000	101.317	-2.00	4.142	101.105	-150.00
-4.264	100.868	-150.00	-4.000	101.265	-2.00	1912+0.000	101.345	100.955	0.390	4.000	101.265	-2.00	4.158	101.028	-150.00
-4.241	100.997	-150.00	-4.000	101.359	-2.00	1913+0.000	101.439	101.050	0.389	4.000	101.359	-2.00	4.167	101.109	-150.00
-4.257	101.163	-150.00	-4.000	101.549	-2.00	1914+0.000	101.629	101.223	0.406	4.000	101.549	-2.00	4.178	101.282	-150.00
-4.259	101.349	-150.00	-4.000	101.739	-2.00	1915+0.000	101.819	101.411	0.407	4.000	101.739	-2.00	4.178	101.472	-150.00
-4.249	101.548	-150.00	-4.000	101.922	-2.00	1916+0.000	102.002	101.603	0.399	4.000	101.922	-2.00	4.181	101.651	-150.00
-4.243	101.685	-150.00	-4.000	102.050	-2.00	1917+0.000	102.130	101.719	0.412	4.000	102.050	-2.00	4.193	101.761	-150.00
-4.230	101.716	-150.00	-4.000	102.061	-2.00	1918+0.000	102.141	101.758	0.383	4.000	102.061	-2.00	4.177	101.796	-150.00
-4.196	101.642	-150.00	-4.000	101.936	-2.00	1919+0.000	102.016	101.679	0.337	4.000	101.936	-2.00	4.147	101.716	-150.00
-4.182	101.539	-150.00	-4.000	101.812	-2.00	1920+0.000	101.892	101.574	0.318	4.000	101.812	-2.00	4.135	101.608	-150.00
-4.206	101.378	-150.00	-4.000	101.687	-2.00	1921+0.000	101.767	101.407	0.360	4.000	101.687	-2.00	4.168	101.436	-150.00
-4.295	101.120	-150.00	-4.000	101.562	-2.00	1922+0.000	101.642	101.140	0.502	4.000	101.562	-2.00	4.268	101.160	-150.00
-4.318	100.961	-150.00	-4.000	101.438	-2.00	1923+0.000	101.518	100.957	0.561	4.000	101.438	-2.00	4.318	100.961	-150.00
-4.261	100.921	-150.00	-4.000	101.313	-2.00	1924+0.000	101.393	100.914	0.479	4.000	101.313	-2.00	4.271	100.907	-150.00
-4.195	100.908	-150.00	-4.000	101.201	-2.00	1925+0.000	101.281	100.884	0.397	4.000	101.201	-2.00	4.228	100.859	-150.00
-4.203	100.951	-150.00	-4.000	101.255	-2.00	1926+0.000	101.335	100.940	0.395	4.000	101.255	-2.00	4.223	100.920	-150.00
-4.214	101.012	-150.00	-4.000	101.333	-2.00	1927+0.000	101.413	101.018	0.396	4.000	101.333	-2.00	4.226	100.995	-150.00
-4.217	100.934	-150.00	-4.000	101.260	-2.00	1928+0.000	101.340	100.939	0.401	4.000	101.260	-2.00	4.214	100.938	-150.00
-4.212	100.869	-150.00	-4.000	101.186	-2.00	1929+0.000	101.266	100.873	0.394	4.000	101.186	-2.00	4.207	100.877	-150.00
-4.198	100.861	-150.00	-4.000	101.158	-2.00	1930+0.000	101.238	100.850	0.388	4.000	101.158	-2.00	4.213	100.839	-150.00
-4.208	101.070	-150.00	-4.000	101.381	-2.00	1931+0.000	101.461	101.037	0.424	4.000	101.381	-2.00	4.252	101.004	-150.00
-4.225	101.295	-150.00	-4.000	101.632	-2.00	1932+0.000	101.712	101.270	0.443	4.000	101.632	-2.00	4.258	101.245	-150.00
-4.203	101.683	-150.00	-4.000	101.987	-2.00	1933+0.000	102.067	101.656	0.410	4.000	101.987	-2.00	4.238	101.629	-150.00
-4.187	102.100	-150.00	-4.000	102.381	-2.00	1934+0.000	102.461	102.072	0.389	4.000	102.381	-2.00	4.225	102.043	-150.00
-4.195	102.431	-150.00	-4.000	102.723	-2.00	1935+0.000	102.803	102.399	0.405	4.000	102.723	-2.00	4.239	102.366	-150.00
-4.160	102.729	-150.00	-4.000	102.968	-2.00	1936+0.000	103.048	102.714	0.334	4.000	102.968	-2.00	4.179	102.700	-150.00

Osvaldo Leôncio da Silv
Diretor da Unidade de Engº
Projetos e Obras - DAE
Secretaria

-4.135	103.011	-150.00	-4.000	103.213	-2.00	1937+0.000	103.293	103.010	0.282	4.000	103.213	-2.00	4.135	103.010	-150.00
-4.187	103.177	-150.00	-4.000	103.457	-2.00	1938+0.000	103.537	103.210	0.327	4.000	103.457	-2.00	4.138	103.250	-150.00
-4.222	103.369	-150.00	-4.000	103.702	-2.00	1939+0.000	103.782	103.399	0.383	4.000	103.702	-2.00	4.185	103.425	-150.00
-4.302	103.431	-150.00	-4.000	103.884	-2.00	1940+0.000	103.964	103.528	0.436	4.000	103.884	-2.00	4.174	103.623	-150.00
-4.313	103.355	-150.00	-4.000	103.824	-2.00	1941+0.000	103.904	103.452	0.452	4.000	103.824	-2.00	4.185	103.547	-150.00
-4.271	103.104	-150.00	-4.000	103.510	-2.00	1942+0.000	103.590	103.158	0.432	4.000	103.510	-2.00	4.199	103.212	-150.00
-4.247	102.571	-150.00	-4.000	102.942	-2.00	1943+0.000	103.022	102.575	0.447	4.000	102.942	-2.00	4.250	102.566	-150.00
-4.290	101.697	-150.00	-4.000	102.131	-2.00	1944+0.000	102.211	101.721	0.490	4.000	102.131	-2.00	4.236	101.777	-150.00
-4.212	101.040	-150.00	-4.000	101.357	-2.00	1945+0.000	101.437	101.073	0.365	4.000	101.357	-2.00	4.168	101.105	-150.00
-4.205	100.448	-150.00	-4.000	100.755	-2.00	1946+0.000	100.835	100.456	0.380	4.000	100.755	-2.00	4.194	100.464	-150.00
-4.222	100.039	-150.00	-4.000	100.373	-2.00	1947+0.000	100.453	100.067	0.386	4.000	100.373	-2.00	4.186	100.094	-150.00
-4.231	99.894	-150.00	-4.000	100.241	-2.00	1948+0.000	100.321	99.928	0.393	4.000	100.241	-2.00	4.186	99.962	-150.00
-4.232	100.055	-150.00	-4.000	100.403	-2.00	1949+0.000	100.483	100.091	0.392	4.000	100.403	-2.00	4.181	100.132	-150.00
-4.252	100.732	-150.00	-4.000	101.109	-2.00	1950+0.000	101.189	100.762	0.427	4.000	101.109	-2.00	4.211	100.793	-150.00
-4.262	101.566	-150.00	-4.000	101.959	-2.00	1951+0.000	102.039	101.578	0.461	4.000	101.959	-2.00	4.246	101.590	-150.00
-4.174	102.646	-150.00	-4.000	102.906	-2.00	1952+0.000	102.986	102.633	0.354	4.000	102.906	-2.00	4.190	102.621	-150.00
-4.108	103.711	-150.00	-4.000	103.874	-2.00	1953+0.000	103.954	103.682	0.272	4.000	103.874	-2.00	4.147	103.653	-150.00
-4.138	104.604	-150.00	-4.000	104.810	-2.00	1954+0.000	104.890	104.600	0.291	4.000	104.810	-2.00	4.178	104.543	-150.00
-4.225	105.030	-150.00	-4.000	105.368	-2.00	1955+0.000	105.448	104.961	0.487	4.000	105.368	-2.00	4.318	104.891	-150.00
-4.194	105.157	-150.00	-4.000	105.449	-2.00	1956+0.000	105.529	105.121	0.408	4.000	105.449	-2.00	4.243	105.084	-150.00
-4.129	104.980	-150.00	-4.000	105.174	-2.00	1957+0.000	105.254	104.932	0.321	4.000	105.174	-2.00	4.193	104.884	-150.00
-4.197	104.585	-150.00	-4.000	104.880	-2.00	1958+0.000	104.960	104.554	0.406	4.000	104.880	-2.00	4.238	104.523	-150.00
-4.194	104.143	-150.00	-4.000	104.434	-2.00	1959+0.000	104.514	104.126	0.388	4.000	104.434	-2.00	4.223	104.099	-150.00
-4.172	103.546	-150.00	-4.000	103.803	-2.00	1960+0.000	103.883	103.515	0.368	4.000	103.803	-2.00	4.213	103.483	-150.00
-4.239	103.326	-150.00	-4.000	103.685	-2.00	1961+0.000	103.765	103.336	0.429	4.000	103.685	-2.00	4.226	103.346	-150.00
-4.272	103.293	-150.00	-4.000	103.700	-2.00	1962+0.000	103.780	103.307	0.473	4.000	103.700	-2.00	4.250	103.325	-150.00
-4.229	103.372	-150.00	-4.000	103.716	-2.00	1963+0.000	103.796	103.394	0.402	4.000	103.716	-2.00	4.207	103.406	-150.00
-4.247	103.439	-150.00	-4.000	103.810	-2.00	1964+0.000	103.890	103.496	0.394	4.000	103.810	-2.00	4.168	103.558	-150.00
-4.301	103.735	-150.00	-4.000	104.187	-2.00	1965+0.000	104.267	103.809	0.457	4.000	104.187	-2.00	4.201	103.886	-150.00
-4.277	104.155	-150.00	-4.000	104.571	-2.00	1966+0.000	104.651	104.230	0.421	4.000	104.571	-2.00	4.178	104.304	-150.00
-4.280	104.609	-150.00	-4.000	105.028	-2.00	1967+0.000	105.108	104.681	0.427	4.000	105.028	-2.00	4.184	104.752	-150.00
-4.271	105.096	-150.00	-4.000	105.503	-2.00	1968+0.000	105.583	105.170	0.413	4.000	105.503	-2.00	4.175	105.241	-150.00
-4.259	105.539	-150.00	-4.000	105.928	-2.00	1969+0.000	106.008	105.600	0.408	4.000	105.928	-2.00	4.179	105.659	-150.00
-4.261	105.859	-150.00	-4.000	106.251	-2.00	1970+0.000	106.331	105.907	0.424	4.000	106.251	-2.00	4.203	105.947	-150.00
-4.250	106.199	-150.00	-4.000	106.574	-2.00	1971+0.000	106.654	106.235	0.419	4.000	106.574	-2.00	4.202	106.271	-150.00
-4.264	106.502	-150.00	-4.000	106.897	-2.00	1972+0.000	106.977	106.561	0.417	4.000	106.897	-2.00	4.186	106.618	-150.00
-4.285	106.793	-150.00	-4.000	107.220	-2.00	1973+0.000	107.300	106.872	0.428	4.000	107.220	-2.00	4.180	106.950	-150.00
-4.266	106.996	-150.00	-4.000	107.394	-2.00	1974+0.000	107.474	107.069	0.405	4.000	107.394	-2.00	4.153	107.165	-150.00
-4.293	107.033	-150.00	-4.000	107.473	-2.00	1975+0.000	107.553	107.152	0.401	4.000	107.473	-2.00	4.137	107.267	-150.00
-4.293	107.235	-150.00	-4.000	107.675	-2.00	1976+0.000	107.755	107.367	0.388	4.000	107.675	-2.00	4.121	107.493	-150.00
-4.296	107.505	-150.00	-4.000	107.949	-2.00	1977+0.000	108.029	107.626	0.403	4.000	107.949	-2.00	4.138	107.742	-150.00
-4.289	107.867	-150.00	-4.000	108.301	-2.00	1978+0.000	108.381	107.980	0.402	4.000	108.301	-2.00	4.144	108.086	-150.00
-4.244	108.418	-150.00	-4.000	108.784	-2.00	1979+0.000	108.864	108.503	0.361	4.000	108.784	-2.00	4.132	108.585	-150.00
-4.258	108.886	-150.00	-4.000	109.273	-2.00	1980+0.000	109.353	108.943	0.410	4.000	109.273	-2.00	4.173	109.014	-150.00
-4.254	109.381	-150.00	-4.000	109.762	-2.00	1981+0.000	109.842	109.425	0.417	4.000	109.762	-2.00	4.195	109.469	-150.00
-4.240	109.791	-150.00	-4.000	110.151	-2.00	1982+0.000	110.231	109.821	0.410	4.000	110.151	-2.00	4.201	109.849	-150.00
-4.222	110.027	-150.00	-4.000	110.361	-2.00	1983+0.000	110.441	110.050	0.391	4.000	110.361	-2.00	4.203	110.056	-150.00
-4.230	110.050	-150.00	-4.000	110.395	-2.00	1984+0.000	110.475	110.053	0.423	4.000	110.395	-2.00	4.227	110.055	-150.00
-4.215	110.110	-150.00	-4.000	110.432	-2.00	1985+0.000	110.512	110.116	0.396	4.000	110.432	-2.00	4.207	110.121	-150.00
-4.208	110.204	-150.00	-4.000	110.516	-2.00	1986+0.000	110.596	110.221	0.376	4.000	110.516	-2.00	4.194	110.225	-150.00
-4.355	110.069	-150.00	-4.000	110.601	-2.00	1987+0.000	110.681	110.189	0.491	4.000	110.601	-2.00	4.195	110.309	-150.00
-4.300	110.235	-150.00	-4.000	110.685	-2.00	1988+0.000	110.765	110.357	0.408	4.000	110.685	-2.00	4.192	110.397	-150.00
-4.212	110.009	-150.00	-4.000	110.327	-2.00	1989+0.000	110.407	110.066	0.341	4.000	110.327	-2.00	4.164	110.080	-150.00
-4.173	109.604	-150.00	-4.000	109.863	-2.00	1990+0.000	109.943	109.625	0.318	4.000	109.863	-2.00	4.145	109.646	-150.00
-4.188	109.029	-150.00	-4.000	109.310	-2.00	1991+0.000	109.390	109.020	0.370	4.000	109.310	-2.00	4.199	109.011	-150.00
-4.172	108.403	-150.00	-4.000	108.660	-2.00	1992+0.000	108.740	108.400	0.341	4.000	108.660	-2.00	4.182	108.387	-150.00
-4.214	107.690	-150.00	-4.000	108.011	-2.00	1993+0.000	108.091	107.636	0.455	4.000	108.011	-2.00	4.286	107.582	-150.00
-4.214	107.221	-150.00	-4.000	107.542	-2.00	1994+0.000	107.622	107.168	0.454	4.000	107.542	-2.00	4.287	107.111	-150.00
-4.189	106.927	-150.00	-4.000	107.211	-2.00	1995+0.000	107.291	106.840	0.451	4.000	107.211	-2.00	4.309	106.747	-150.00
-4.178	106.748	-150.00	-4.000	107.015	-2.00	1996+0.000	107.095	106.651	0.445	4.000	107.015	-2.00	4.310	106.550	-150.00
-4.140	106.702	-150.00	-4.000	106.911	-2.00	1997+0.000	106.991	106.591	0.400	4.000	106.911	-2.00	4.291	106.475	-150.00
-4.108	106.644	-150.00	-4.000	106.807	-2.00	1998+0.000	106.887	106.535	0.352	4.000	106.807	-2.00	4.257	106.421	-150.00
-4.137	106.471	-150.00	-4.000	106.676	-2.00	1999+0.000	106.756	106.345	0.412	4.000	106.676	-2.00	4.307	106.217	-150.00
-4.140	106.304	-150.00	-4.000	106.514	-2.00	2000+0.000	106.594	106.197	0.397	4.000	106.514	-2.00	4.267	106.113	-150.00
-4.115	106.180	-150.00	-4.000	106.352	-2.00	2001+0.000	106.432	106.059	0.373	4.000	106.352	-2.00	4.272	105.943	-150.00
-4.056	106.167	-150.00	-4.000	106.252	-2.00	2002+0.000	106.332	106.022	0.310	4.000	106.252	-2.00	4.255	105.869	-150.00
-4.113	106.220	-150.00	-4.000	106.389	-2.00	2003+0.000	106.469	106.031	0.438	4.000	106.389	-2.00	4.372	105.831	-150.00
-4.178	106.506	-150.00	-4.000	106.773	-2.00	2004+0.000	106.853	106.393	0.460	4.000	106.773	-2.00	4.378	106.206	-150.00
-4.176	107.139	-150.00	-4.000	107.404	-2.00	2005+0.000	107.484	107.006	0.478	4.000	107.404	-2.00	4.340	106.894	-150.00
-4.158	107.901	-150.00	-4.000	108.138	-2.00	2006+0.000	108.218	107.847	0.371	4.000	108.138	-2.00	4.231	107.791	-150.00
-4.104	108.715	-150.00	-4.000	108.872	-2.00	2007+0.000	108.952	108.692	0.260	4.000	108.872	-2.00	4.135	108.669	-150.00
-4.284	109.118	-150.00	-4.000	109.544	-2.00	2008+0.000	109.624	109.163	0.460	4.000	109.544	-2.00	4.192	109.255	-150.00
-4.265	109.564	-150.00	-4.000	109.962	-2.00	2009+0.000	110.042	109.674	0.368	4.000	109.962	-2.00	4.130	109.767	-150.00
-4.330	109.618	-150.00	-4.000	110.112	-2.00	2010+0.000	110.192	109.714	0.478	4.000	110.112	-2.00	4.204	109.805	-150.00
-4.328	109.523	-150.00	-4.000	110.015	-2.00	2011+0.000	110.095	109.629	0.466	4.000	110.015	-2.00	4.189	109.732	-150.00
-4.358	109.332	-150.00	-4.000	109.869	-2.00	2012+0.000	109.949	109.445	0.504	4.000	109.869	-2.00	4.210	109.554	-150.00
-4.289	109.289	-150.00	-4.000	109.722	-2.00	2013+0.000	109.802	109.384	0.418	4.000	109.722	-2.00	4.165	109.474	-150.00
-4.257	109.224	-150.00	-4.000	109.610	-2.00	2014+0.000	109.690	109.301	0.389	4.000	109.610	-2.00	4.156	109.376	-150.00
-4.269	109.387	-150.00	-4.000	109.791	-2.00	2015+0.000	109.871	109.470	0.401	4.000	109.791	-2.00	4.191	109.504	-150.00
-4.244	109.461	-150.00	-4.000	109.827	-2.00	2016+0.000	109.907	109.515	0.392	4.000	109.827	-2.00	4.174	109.567	-150.00
-4.292	109.465	-150.00	-4.000	109.903	-2.00	2017+0.000	109.983	109.579	0.404	4.000	109.903	-2.00	4.141	109.692	-150.00

Osvaldo Leôncio da Si...
Diretor da Diretoria de ...
Projetos e Obras - E...
Secretaria ...

-4.301	110.003	-150.00	-4.000	110.455	-2.00	2018+0.000	110.535	110.117	0.418	4.000	110.455	-2.00	4.189	110.172	-150.00
-4.247	110.348	-150.00	-4.000	110.719	-2.00	2019+0.000	110.799	110.350	0.449	4.000	110.719	-2.00	4.245	110.352	-150.00
-4.196	110.687	-150.00	-4.000	110.981	-2.00	2020+0.000	111.061	110.616	0.444	4.000	110.981	-2.00	4.291	110.544	-150.00
-4.249	110.868	-150.00	-4.000	111.243	-2.00	2021+0.000	111.323	110.699	0.624	4.000	111.243	-2.00	4.420	110.613	-150.00
-4.160	111.265	-150.00	-4.000	111.505	-2.00	2022+0.000	111.585	111.114	0.471	4.000	111.505	-2.00	4.366	110.955	-150.00
-4.130	111.571	-150.00	-4.000	111.767	-2.00	2023+0.000	111.847	111.433	0.413	4.000	111.767	-2.00	4.318	111.289	-150.00
-4.118	111.603	-150.00	-4.000	111.780	-2.00	2024+0.000	111.860	111.461	0.399	4.000	111.780	-2.00	4.260	111.389	-150.00
-4.066	111.801	-150.00	-4.000	111.900	-2.00	2025+0.000	111.980	111.748	0.232	4.000	111.900	-2.00	4.138	111.693	-150.00
-4.149	111.796	-150.00	-4.000	112.020	-2.00	2026+0.000	112.100	111.793	0.306	4.000	112.020	-2.00	4.153	111.791	-150.00
-4.231	111.839	-150.00	-4.000	112.185	-2.00	2027+0.000	112.265	111.845	0.420	4.000	112.185	-2.00	4.220	111.855	-150.00
-4.276	111.976	-150.00	-4.000	112.390	-2.00	2028+0.000	112.470	111.985	0.486	4.000	112.390	-2.00	4.260	112.000	-150.00
-4.235	112.243	-150.00	-4.000	112.596	-2.00	2029+0.000	112.676	112.259	0.417	4.000	112.596	-2.00	4.214	112.274	-150.00
-4.209	112.488	-150.00	-4.000	112.801	-2.00	2030+0.000	112.881	112.497	0.384	4.000	112.801	-2.00	4.197	112.506	-150.00
-4.173	112.672	-150.00	-4.000	112.931	-2.00	2031+0.000	113.011	112.681	0.330	4.000	112.931	-2.00	4.160	112.690	-150.00
-4.126	112.642	-150.00	-4.000	112.831	-2.00	2032+0.000	112.911	112.606	0.305	4.000	112.831	-2.00	4.182	112.558	-150.00
-4.160	112.488	-150.00	-4.000	112.727	-2.00	2033+0.000	112.807	112.430	0.378	4.000	112.727	-2.00	4.236	112.374	-150.00
-4.183	112.046	-150.00	-4.000	112.321	-2.00	2034+0.000	112.401	112.005	0.396	4.000	112.321	-2.00	4.238	111.964	-150.00
-4.184	111.642	-150.00	-4.000	111.918	-2.00	2035+0.000	111.998	111.619	0.379	4.000	111.918	-2.00	4.215	111.595	-150.00
-4.166	111.289	-150.00	-4.000	111.538	-2.00	2036+0.000	111.618	111.282	0.336	4.000	111.538	-2.00	4.176	111.275	-150.00
-4.135	111.253	-150.00	-4.000	111.455	-2.00	2037+0.000	111.535	111.264	0.271	4.000	111.455	-2.00	4.109	111.292	-150.00
-4.160	111.598	-150.00	-4.000	111.838	-2.00	2038+0.000	111.918	111.610	0.307	4.000	111.838	-2.00	4.132	111.639	-150.00
-4.180	112.395	-150.00	-4.000	112.666	-2.00	2039+0.000	112.746	112.379	0.367	4.000	112.666	-2.00	4.202	112.363	-150.00
-4.244	113.168	-150.00	-4.000	113.534	-2.00	2040+0.000	113.614	113.152	0.462	4.000	113.534	-2.00	4.271	113.127	-150.00
-4.212	113.960	-150.00	-4.000	114.278	-2.00	2041+0.000	114.358	113.937	0.422	4.000	114.278	-2.00	4.244	113.913	-150.00
-4.090	114.764	-150.00	-4.000	114.899	-2.00	2042+0.000	114.979	114.695	0.284	4.000	114.899	-2.00	4.183	114.625	-150.00
-4.201	115.096	-150.00	-4.000	115.397	-2.00	2043+0.000	115.477	115.025	0.452	4.000	115.397	-2.00	4.285	114.969	-150.00
-4.243	115.408	-150.00	-4.000	115.772	-2.00	2044+0.000	115.852	115.367	0.484	4.000	115.772	-2.00	4.297	115.327	-150.00
-4.269	115.620	-150.00	-4.000	116.023	-2.00	2045+0.000	116.103	115.589	0.514	4.000	116.023	-2.00	4.310	115.557	-150.00
-4.271	115.744	-150.00	-4.000	116.150	-2.00	2046+0.000	116.230	115.713	0.517	4.000	116.150	-2.00	4.313	115.681	-150.00
-4.228	115.824	-150.00	-4.000	116.166	-2.00	2047+0.000	116.246	115.783	0.463	4.000	116.166	-2.00	4.283	115.741	-150.00
-4.160	115.921	-150.00	-4.000	116.162	-2.00	2048+0.000	116.242	115.835	0.407	4.000	116.162	-2.00	4.277	115.746	-150.00
-4.180	115.887	-150.00	-4.000	116.157	-2.00	2049+0.000	116.237	115.754	0.483	4.000	116.157	-2.00	4.361	115.615	-150.00
-4.118	115.956	-150.00	-4.000	116.133	-2.00	2050+0.000	116.213	115.821	0.392	4.000	116.133	-2.00	4.302	115.680	-150.00
-4.123	115.853	-150.00	-4.000	116.037	-2.00	2051+0.000	116.117	115.717	0.400	4.000	116.037	-2.00	4.306	115.577	-150.00
-4.125	115.754	-150.00	-4.000	115.941	-2.00	2052+0.000	116.021	115.631	0.391	4.000	115.941	-2.00	4.300	115.491	-150.00
-4.158	115.634	-150.00	-4.000	115.871	-2.00	2053+0.000	115.951	115.553	0.397	4.000	115.871	-2.00	4.286	115.442	-150.00
-4.156	115.610	-150.00	-4.000	115.844	-2.00	2054+0.000	115.924	115.535	0.389	4.000	115.844	-2.00	4.268	115.442	-150.00
-4.154	115.635	-150.00	-4.000	115.867	-2.00	2055+0.000	115.947	115.563	0.384	4.000	115.867	-2.00	4.253	115.488	-150.00
-4.176	115.653	-150.00	-4.000	115.918	-2.00	2056+0.000	115.998	115.601	0.397	4.000	115.918	-2.00	4.243	115.553	-150.00
-4.102	115.857	-150.00	-4.000	116.010	-2.00	2057+0.000	116.090	115.821	0.269	4.000	116.010	-2.00	4.155	115.777	-150.00
-4.150	116.083	-150.00	-4.000	116.308	-2.00	2058+0.000	116.388	116.063	0.324	4.000	116.308	-2.00	4.172	116.050	-150.00
-4.215	116.505	-150.00	-4.000	116.827	-2.00	2059+0.000	116.907	116.510	0.397	4.000	116.827	-2.00	4.208	116.516	-150.00
-4.170	117.315	-150.00	-4.000	117.569	-2.00	2060+0.000	117.649	117.334	0.316	4.000	117.569	-2.00	4.141	117.359	-150.00
-4.160	118.293	-150.00	-4.000	118.533	-2.00	2061+0.000	118.613	118.329	0.284	4.000	118.533	-2.00	4.112	118.365	-150.00
-4.139	119.511	-150.00	-4.000	119.719	-2.00	2062+0.000	119.799	119.536	0.264	4.000	119.719	-2.00	4.103	119.566	-150.00
-4.200	120.583	-150.00	-4.000	120.883	-2.00	2063+0.000	120.963	120.605	0.358	4.000	120.883	-2.00	4.171	120.626	-150.00
-4.116	121.419	-150.00	-4.000	121.593	-2.00	2064+0.000	121.673	121.476	0.197	4.000	121.593	-2.00	4.063	121.499	-150.00
-4.219	121.622	-150.00	-4.000	121.950	-2.00	2065+0.000	122.030	121.710	0.320	4.000	121.950	-2.00	4.131	121.754	-150.00
-4.306	121.373	-150.00	-4.000	121.831	-2.00	2066+0.000	121.911	121.478	0.433	4.000	121.831	-2.00	4.212	121.512	-150.00
-4.259	120.880	-150.00	-4.000	121.269	-2.00	2067+0.000	121.349	120.974	0.375	4.000	121.269	-2.00	4.179	121.001	-150.00
-4.241	120.115	-150.00	-4.000	120.477	-2.00	2068+0.000	120.557	120.193	0.363	4.000	120.477	-2.00	4.146	120.258	-150.00
-4.232	119.476	-150.00	-4.000	119.824	-2.00	2069+0.000	119.904	119.544	0.360	4.000	119.824	-2.00	4.142	119.611	-150.00
-4.247	118.896	-150.00	-4.000	119.267	-2.00	2070+0.000	119.347	118.970	0.377	4.000	119.267	-2.00	4.150	119.042	-150.00
-4.242	118.464	-150.00	-4.000	118.827	-2.00	2071+0.000	118.907	118.531	0.376	4.000	118.827	-2.00	4.149	118.604	-150.00
-4.244	118.141	-150.00	-4.000	118.507	-2.00	2072+0.000	118.587	118.207	0.380	4.000	118.507	-2.00	4.157	118.272	-150.00
-4.247	117.895	-150.00	-4.000	118.266	-2.00	2073+0.000	118.346	117.958	0.388	4.000	118.266	-2.00	4.164	118.020	-150.00
-4.221	117.860	-150.00	-4.000	118.192	-2.00	2074+0.000	118.272	117.922	0.351	4.000	118.192	-2.00	4.141	117.981	-150.00
-4.225	117.788	-150.00	-4.000	118.126	-2.00	2075+0.000	118.206	117.855	0.350	4.000	118.126	-2.00	4.136	117.921	-150.00
-4.212	117.741	-150.00	-4.000	118.059	-2.00	2076+0.000	118.139	117.783	0.356	4.000	118.059	-2.00	4.150	117.835	-150.00
-4.199	117.694	-150.00	-4.000	117.993	-2.00	2077+0.000	118.073	117.709	0.363	4.000	117.993	-2.00	4.175	117.730	-150.00
-4.213	117.602	-150.00	-4.000	117.921	-2.00	2078+0.000	118.001	117.605	0.396	4.000	117.921	-2.00	4.195	117.629	-150.00
-4.226	117.498	-150.00	-4.000	117.837	-2.00	2079+0.000	117.917	117.501	0.416	4.000	117.837	-2.00	4.201	117.535	-150.00
-4.236	117.400	-150.00	-4.000	117.754	-2.00	2080+0.000	117.834	117.408	0.426	4.000	117.754	-2.00	4.227	117.413	-150.00
-4.231	117.323	-150.00	-4.000	117.670	-2.00	2081+0.000	117.750	117.312	0.438	4.000	117.670	-2.00	4.249	117.297	-150.00
-4.196	117.293	-150.00	-4.000	117.586	-2.00	2082+0.000	117.666	117.267	0.400	4.000	117.586	-2.00	4.231	117.240	-150.00
-4.225	117.345	-150.00	-4.000	117.683	-2.00	2083+0.000	117.763	117.360	0.402	4.000	117.683	-2.00	4.205	117.376	-150.00
-4.233	117.479	-150.00	-4.000	117.828	-2.00	2084+0.000	117.908	117.507	0.402	4.000	117.828	-2.00	4.209	117.515	-150.00
-4.229	117.636	-150.00	-4.000	117.979	-2.00	2085+0.000	118.059	117.708	0.351	4.000	117.979	-2.00	4.134	117.779	-150.00
-4.300	117.899	-150.00	-4.000	118.348	-2.00	2086+0.000	118.428	117.971	0.457	4.000	118.348	-2.00	4.205	118.041	-150.00
-4.325	118.334	-150.00	-4.000	118.820	-2.00	2087+0.000	118.900	118.454	0.446	4.000	118.820	-2.00	4.167	118.570	-150.00
-4.312	118.837	-150.00	-4.000	119.305	-2.00	2088+0.000	119.385	118.954	0.430	4.000	119.305	-2.00	4.158	119.067	-150.00
-4.310	119.344	-150.00	-4.000	119.808	-2.00	2089+0.000	119.888	119.461	0.427	4.000	119.808	-2.00	4.156	119.574	-150.00
-4.274	119.752	-150.00	-4.000	120.163	-2.00	2090+0.000	120.243	119.817	0.427	4.000	120.163	-2.00	4.189	119.880	-150.00
-4.219	120.044	-150.00	-4.000	120.373	-2.00	2091+0.000	120.453	120.079	0.373	4.000	120.373	-2.00	4.181	120.100	-150.00
-4.238	119.983	-150.00	-4.000	120.340	-2.00	2092+0.000	120.420	120.021	0.398	4.000	120.340	-2.00	4.187	120.059	-150.00
-4.228	119.723	-150.00	-4.000	120.064	-2.00	2093+0.000	120.144	119.764	0.380	4.000	120.064	-2.00	4.173	119.804	-150.00
-4.220	119.234	-150.00	-4.000	119.563	-2.00	2094+0.000	119.643	119.278	0.365	4.000	119.563	-2.00	4.150	119.338	-150.00
-4.258	118.757	-150.00	-4.000	119.144	-2.00	2095+0.000	119.224	118.846	0.378	4.000	119.144	-2.00	4.141	118.932	-150.00
-4.249	118.523	-150.00	-4.000	118.896	-2.00	2096+0.000	118.976	118.609	0.368	4.000	118.896	-2.00	4.136	118.692	-150.00
-4.253	118.391	-150.00	-4.000	118.771	-2.00	2097+0.000	118.851	118.458	0.393	4.000	118.771	-2.00	4.165	118.523	-150.00
-4.267	118.301	-150.00	-4.000	118.701	-2.00	2098+0.000	118.781	118.363	0.418	4.000	118.701	-2.00	4.188	118.420	-150.00

Osvaldo Leôncio da Silva
Diretor da Coordenação de Programas,
Projetos e Ações - DUPRO
Secretaria dos Portos (SEP/PR)

-4.251	118.290	-150.00	-4.000	118.667	-2.00	2099+0.000	118.747	118.311	0.435	4.000	118.667	-2.00	4.223	118.332	-150.00
-4.260	118.263	-150.00	-4.000	118.653	-2.00	2100+0.000	118.733	118.273	0.461	4.000	118.653	-2.00	4.248	118.282	-150.00
-4.235	118.288	-150.00	-4.000	118.640	-2.00	2101+0.000	118.720	118.321	0.399	4.000	118.640	-2.00	4.199	118.341	-150.00
-4.229	118.251	-150.00	-4.000	118.594	-2.00	2102+0.000	118.674	118.283	0.391	4.000	118.594	-2.00	4.190	118.309	-150.00
-4.211	118.165	-150.00	-4.000	118.481	-2.00	2103+0.000	118.561	118.170	0.392	4.000	118.481	-2.00	4.229	118.138	-150.00
-4.192	118.268	-150.00	-4.000	118.556	-2.00	2104+0.000	118.636	118.243	0.394	4.000	118.556	-2.00	4.226	118.217	-150.00
-4.122	118.571	-150.00	-4.000	118.754	-2.00	2105+0.000	118.834	118.587	0.247	4.000	118.754	-2.00	4.101	118.603	-150.00
-4.165	118.715	-150.00	-4.000	118.963	-2.00	2106+0.000	119.043	118.831	0.212	4.000	118.963	-2.00	4.013	118.943	-150.00
-4.235	118.819	-150.00	-4.000	119.172	-2.00	2107+0.000	119.252	118.938	0.315	4.000	119.172	-2.00	4.080	119.052	-150.00
-4.210	118.891	-150.00	-4.000	119.207	-2.00	2108+0.000	119.287	118.920	0.367	4.000	119.207	-2.00	4.249	118.833	-150.00
-4.124	118.260	-150.00	-4.000	118.446	-2.00	2109+0.000	118.526	118.151	0.375	4.000	118.446	-2.00	4.273	118.037	-150.00
-4.120	117.309	-150.00	-4.000	117.489	-2.00	2110+0.000	117.569	117.222	0.347	4.000	117.489	-2.00	4.238	117.132	-150.00
-4.123	116.227	-150.00	-4.000	116.411	-2.00	2111+0.000	116.491	116.135	0.356	4.000	116.411	-2.00	4.247	116.041	-150.00
-4.143	115.355	-150.00	-4.000	115.569	-2.00	2112+0.000	115.649	115.256	0.393	4.000	115.569	-2.00	4.277	115.154	-150.00
-4.154	114.597	-150.00	-4.000	114.829	-2.00	2113+0.000	114.909	114.491	0.418	4.000	114.829	-2.00	4.316	114.354	-150.00
-4.104	114.024	-150.00	-4.000	114.181	-2.00	2114+0.000	114.261	113.887	0.374	4.000	114.181	-2.00	4.285	113.752	-150.00
-4.129	113.700	-150.00	-4.000	113.893	-2.00	2115+0.000	113.973	113.673	0.301	4.000	113.893	-2.00	4.190	113.609	-150.00
-4.174	113.495	-150.00	-4.000	113.756	-2.00	2116+0.000	113.836	113.440	0.396	4.000	113.756	-2.00	4.249	113.383	-150.00
-4.193	113.823	-150.00	-4.000	114.113	-2.00	2117+0.000	114.193	113.847	0.346	4.000	114.113	-2.00	4.161	113.871	-150.00
-4.206	114.165	-150.00	-4.000	114.474	-2.00	2118+0.000	114.554	114.229	0.325	4.000	114.474	-2.00	4.121	114.292	-150.00
-4.232	114.487	-150.00	-4.000	114.835	-2.00	2119+0.000	114.915	114.551	0.364	4.000	114.835	-2.00	4.147	114.614	-150.00
-4.282	114.773	-150.00	-4.000	115.196	-2.00	2120+0.000	115.276	114.868	0.408	4.000	115.196	-2.00	4.177	114.931	-150.00
-4.252	114.992	-150.00	-4.000	115.370	-2.00	2121+0.000	115.450	115.052	0.398	4.000	115.370	-2.00	4.172	115.112	-150.00
-4.256	115.035	-150.00	-4.000	115.419	-2.00	2122+0.000	115.499	115.095	0.404	4.000	115.419	-2.00	4.176	115.155	-150.00
-4.228	114.967	-150.00	-4.000	115.309	-2.00	2123+0.000	115.389	114.969	0.420	4.000	115.309	-2.00	4.226	114.970	-150.00
-4.257	114.781	-150.00	-4.000	115.165	-2.00	2124+0.000	115.245	114.783	0.462	4.000	115.165	-2.00	4.255	114.783	-150.00
-4.281	114.600	-150.00	-4.000	115.022	-2.00	2125+0.000	115.102	114.586	0.516	4.000	115.022	-2.00	4.300	114.572	-150.00
-4.183	114.604	-150.00	-4.000	114.878	-2.00	2126+0.000	114.958	114.600	0.359	4.000	114.878	-2.00	4.223	114.544	-150.00
-4.145	114.521	-150.00	-4.000	114.738	-2.00	2127+0.000	114.818	114.440	0.378	4.000	114.738	-2.00	4.254	114.357	-150.00
-4.078	114.550	-150.00	-4.000	114.667	-2.00	2128+0.000	114.747	114.446	0.301	4.000	114.667	-2.00	4.219	114.338	-150.00
-4.109	114.433	-150.00	-4.000	114.597	-2.00	2129+0.000	114.677	114.349	0.328	4.000	114.597	-2.00	4.242	114.234	-150.00
-4.192	114.161	-150.00	-4.000	114.449	-2.00	2130+0.000	114.529	114.163	0.366	4.000	114.449	-2.00	4.263	114.056	-150.00
-4.212	113.728	-150.00	-4.000	114.046	-2.00	2131+0.000	114.126	113.717	0.409	4.000	114.046	-2.00	4.240	113.686	-150.00
-4.233	113.409	-150.00	-4.000	113.759	-2.00	2132+0.000	113.839	113.407	0.432	4.000	113.759	-2.00	4.236	113.404	-150.00
-4.229	113.248	-150.00	-4.000	113.591	-2.00	2133+0.000	113.671	113.236	0.435	4.000	113.591	-2.00	4.243	113.226	-150.00
-4.187	113.262	-150.00	-4.000	113.542	-2.00	2134+0.000	113.622	113.236	0.386	4.000	113.542	-2.00	4.221	113.210	-150.00
-4.206	113.303	-150.00	-4.000	113.612	-2.00	2135+0.000	113.692	113.283	0.409	4.000	113.612	-2.00	4.233	113.263	-150.00
-4.235	113.448	-150.00	-4.000	113.801	-2.00	2136+0.000	113.881	113.436	0.446	4.000	113.801	-2.00	4.252	113.423	-150.00
-4.215	113.787	-150.00	-4.000	114.110	-2.00	2137+0.000	114.190	113.782	0.408	4.000	114.110	-2.00	4.222	113.776	-150.00
-4.236	114.167	-150.00	-4.000	114.521	-2.00	2138+0.000	114.601	114.164	0.437	4.000	114.521	-2.00	4.240	114.160	-150.00
-4.271	114.539	-150.00	-4.000	114.946	-2.00	2139+0.000	115.026	114.575	0.450	4.000	114.946	-2.00	4.248	114.574	-150.00
-4.333	114.870	-150.00	-4.000	115.370	-2.00	2140+0.000	115.450	115.029	0.421	4.000	115.370	-2.00	4.178	115.103	-150.00
-4.330	115.202	-150.00	-4.000	115.697	-2.00	2141+0.000	115.777	115.342	0.434	4.000	115.697	-2.00	4.125	115.508	-150.00
-4.271	115.210	-150.00	-4.000	115.617	-2.00	2142+0.000	115.697	115.387	0.310	4.000	115.617	-2.00	4.042	115.554	-150.00
-4.271	115.106	-150.00	-4.000	115.512	-2.00	2143+0.000	115.592	115.276	0.316	4.000	115.512	-2.00	4.048	115.440	-150.00
-4.318	114.924	-150.00	-4.000	115.402	-2.00	2144+0.000	115.482	115.098	0.384	4.000	115.402	-2.00	4.093	115.263	-150.00
-4.285	114.707	-150.00	-4.000	115.133	-2.00	2145+0.000	115.213	114.889	0.324	4.000	115.133	-2.00	4.046	115.064	-150.00
-4.261	114.474	-150.00	-4.000	114.865	-2.00	2146+0.000	114.945	114.655	0.290	4.000	114.865	-2.00	4.026	114.826	-150.00
-4.266	114.199	-150.00	-4.000	114.597	-2.00	2147+0.000	114.677	114.370	0.307	4.000	114.597	-2.00	4.043	114.532	-150.00
-4.276	113.915	-150.00	-4.000	114.329	-2.00	2148+0.000	114.409	114.082	0.327	4.000	114.329	-2.00	4.062	114.236	-150.00
-4.303	113.606	-150.00	-4.000	114.061	-2.00	2149+0.000	114.141	113.799	0.341	4.000	114.061	-2.00	4.071	113.954	-150.00
-4.307	113.331	-150.00	-4.000	113.792	-2.00	2150+0.000	113.872	113.507	0.365	4.000	113.792	-2.00	4.095	113.650	-150.00
-4.302	113.072	-150.00	-4.000	113.525	-2.00	2151+0.000	113.605	113.221	0.384	4.000	113.525	-2.00	4.114	113.355	-150.00
-4.319	112.798	-150.00	-4.000	113.277	-2.00	2152+0.000	113.357	112.946	0.411	4.000	113.277	-2.00	4.130	113.082	-150.00
-4.320	112.549	-150.00	-4.000	113.029	-2.00	2153+0.000	113.109	112.691	0.418	4.000	113.029	-2.00	4.135	112.827	-150.00
-4.359	112.242	-150.00	-4.000	112.781	-2.00	2154+0.000	112.861	112.427	0.434	4.000	112.781	-2.00	4.120	112.601	-150.00
-4.335	112.078	-150.00	-4.000	112.580	-2.00	2155+0.000	112.660	112.263	0.398	4.000	112.580	-2.00	4.095	112.438	-150.00
-4.302	112.034	-150.00	-4.000	112.487	-2.00	2156+0.000	112.567	112.194	0.373	4.000	112.487	-2.00	4.094	112.347	-150.00
-4.313	111.923	-150.00	-4.000	112.393	-2.00	2157+0.000	112.473	112.051	0.422	4.000	112.393	-2.00	4.129	112.200	-150.00
-4.286	111.854	-150.00	-4.000	112.283	-2.00	2158+0.000	112.363	111.975	0.388	4.000	112.283	-2.00	4.128	112.092	-150.00
-4.268	111.621	-150.00	-4.000	112.024	-2.00	2159+0.000	112.104	111.716	0.388	4.000	112.024	-2.00	4.164	111.778	-150.00
-4.229	111.152	-150.00	-4.000	111.496	-2.00	2160+0.000	111.576	111.213	0.363	4.000	111.496	-2.00	4.149	111.272	-150.00
-4.210	110.609	-150.00	-4.000	110.925	-2.00	2161+0.000	111.005	110.636	0.369	4.000	110.925	-2.00	4.172	110.667	-150.00
-4.207	110.120	-150.00	-4.000	110.430	-2.00	2162+0.000	110.510	110.153	0.357	4.000	110.430	-2.00	4.180	110.160	-150.00
-4.261	109.912	-150.00	-4.000	110.303	-2.00	2163+0.000	110.383	109.995	0.388	4.000	110.303	-2.00	4.221	109.971	-150.00
-4.269	110.016	-150.00	-4.000	110.420	-2.00	2164+0.000	110.500	110.099	0.400	4.000	110.420	-2.00	4.173	110.161	-150.00
-4.250	110.072	-150.00	-4.000	110.447	-2.00	2165+0.000	110.527	110.131	0.396	4.000	110.447	-2.00	4.172	110.189	-150.00
-4.267	110.023	-150.00	-4.000	110.423	-2.00	2166+0.000	110.503	110.081	0.422	4.000	110.423	-2.00	4.190	110.137	-150.00
-4.157	109.979	-150.00	-4.000	110.215	-2.00	2167+0.000	110.295	110.012	0.283	4.000	110.215	-2.00	4.114	110.044	-150.00
-4.192	109.436	-150.00	-4.000	109.724	-2.00	2168+0.000	109.804	109.376	0.428	4.000	109.724	-2.00	4.273	109.314	-150.00
-4.242	108.587	-150.00	-4.000	108.950	-2.00	2169+0.000	109.030	108.529	0.501	4.000	108.950	-2.00	4.321	108.470	-150.00
-4.185	107.900	-150.00	-4.000	108.177	-2.00	2170+0.000	108.257	107.834	0.423	4.000	108.177	-2.00	4.273	107.767	-150.00
-4.171	107.148	-150.00	-4.000	107.404	-2.00	2171+0.000	107.484	107.049	0.435	4.000	107.404	-2.00	4.282	106.981	-150.00
-4.182	106.661	-150.00	-4.000	106.933	-2.00	2172+0.000	107.013	106.551	0.462	4.000	106.933	-2.00	4.331	106.437	-150.00
-4.141	106.436	-150.00	-4.000	106.648	-2.00	2173+0.000	106.728	106.367	0.361	4.000	106.648	-2.00	4.234	106.297	-150.00
-4.213	106.472	-150.00	-4.000	106.792	-2.00	2174+0.000	106.872	106.481	0.390	4.000	106.792	-2.00	4.234	106.441	-150.00
-4.265	106.297	-150.00	-4.000	106.695	-2.00	2175+0.000	106.775	106.324	0.451	4.000	106.695	-2.00	4.229	106.351	-150.00
-4.245	106.230	-150.00	-4.000	106.597	-2.00	2176+0.000	106.677	106.292	0.385	4.000	106.597	-2.00	4.161	106.355	-150.00
-4.234	106.234	-150.00	-4.000	106.584	-2.00	2177+0.000	106.664	106.270	0.395	4.000	106.584	-2.00	4.173	106.325	-150.00
-4.270	106.171	-150.00	-4.000	106.576	-2.00	2178+0.000	106.656	106.245	0.411	4.000	106.576	-2.00	4.170	106.321	-150.00
-4.289	106.027	-150.00	-4.000	106.461	-2.00	2179+0.000	106.541	106.102	0.439	4.000	106.461	-2.00	4.190	106.176	-150.00

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria de Cidades (Secid)

-4.287	105.916	-150.00	-4.000	106.346	-2.00	2180+0.000	106.426	105.996	0.430	4.000	106.346	-2.00	4.181	106.075	-150.00
-4.234	105.880	-150.00	-4.000	106.231	-2.00	2181+0.000	106.311	105.925	0.386	4.000	106.231	-2.00	4.175	105.969	-150.00
-4.174	105.870	-150.00	-4.000	106.132	-2.00	2182+0.000	106.212	105.914	0.297	4.000	106.132	-2.00	4.143	105.917	-150.00
-4.188	105.751	-150.00	-4.000	106.033	-2.00	2183+0.000	106.113	105.745	0.369	4.000	106.033	-2.00	4.196	105.739	-150.00
-4.192	105.646	-150.00	-4.000	105.934	-2.00	2184+0.000	106.014	105.613	0.402	4.000	105.934	-2.00	4.237	105.579	-150.00
-4.215	105.514	-150.00	-4.000	105.836	-2.00	2185+0.000	105.916	105.473	0.442	4.000	105.836	-2.00	4.266	105.437	-150.00
-4.204	105.432	-150.00	-4.000	105.737	-2.00	2186+0.000	105.817	105.392	0.426	4.000	105.737	-2.00	4.257	105.351	-150.00
-4.188	105.357	-150.00	-4.000	105.639	-2.00	2187+0.000	105.719	105.323	0.395	4.000	105.639	-2.00	4.233	105.289	-150.00
-4.211	105.283	-150.00	-4.000	105.599	-2.00	2188+0.000	105.679	105.236	0.443	4.000	105.599	-2.00	4.266	105.201	-150.00
-4.215	105.261	-150.00	-4.000	105.583	-2.00	2189+0.000	105.663	105.214	0.449	4.000	105.583	-2.00	4.278	105.167	-150.00
-4.191	105.281	-150.00	-4.000	105.567	-2.00	2190+0.000	105.647	105.212	0.435	4.000	105.567	-2.00	4.283	105.142	-150.00
-4.166	105.333	-150.00	-4.000	105.583	-2.00	2191+0.000	105.663	105.265	0.397	4.000	105.583	-2.00	4.258	105.195	-150.00
-4.173	105.455	-150.00	-4.000	105.714	-2.00	2192+0.000	105.794	105.379	0.415	4.000	105.714	-2.00	4.275	105.301	-150.00
-4.149	105.621	-150.00	-4.000	105.845	-2.00	2193+0.000	105.925	105.544	0.382	4.000	105.845	-2.00	4.254	105.464	-150.00
-4.143	105.762	-150.00	-4.000	105.976	-2.00	2194+0.000	106.056	105.685	0.371	4.000	105.976	-2.00	4.247	105.606	-150.00
-4.152	105.874	-150.00	-4.000	106.102	-2.00	2195+0.000	106.182	105.789	0.392	4.000	106.102	-2.00	4.266	105.702	-150.00
-4.121	105.882	-150.00	-4.000	106.064	-2.00	2196+0.000	106.144	105.796	0.348	4.000	106.064	-2.00	4.238	105.707	-150.00
-4.124	105.840	-150.00	-4.000	106.026	-2.00	2197+0.000	106.106	105.753	0.353	4.000	106.026	-2.00	4.242	105.663	-150.00
-4.147	105.750	-150.00	-4.000	105.971	-2.00	2198+0.000	106.051	105.660	0.390	4.000	105.971	-2.00	4.268	105.568	-150.00
-4.161	105.634	-150.00	-4.000	105.876	-2.00	2199+0.000	105.956	105.548	0.408	4.000	105.876	-2.00	4.271	105.470	-150.00
-4.145	105.563	-150.00	-4.000	105.781	-2.00	2200+0.000	105.861	105.487	0.374	4.000	105.781	-2.00	4.248	105.410	-150.00
-4.164	105.440	-150.00	-4.000	105.687	-2.00	2201+0.000	105.767	105.376	0.390	4.000	105.687	-2.00	4.250	105.312	-150.00
-4.167	105.440	-150.00	-4.000	105.689	-2.00	2202+0.000	105.769	105.376	0.394	4.000	105.689	-2.00	4.252	105.311	-150.00
-4.196	105.480	-150.00	-4.000	105.773	-2.00	2203+0.000	105.853	105.477	0.376	4.000	105.773	-2.00	4.210	105.457	-150.00
-4.244	105.612	-150.00	-4.000	105.978	-2.00	2204+0.000	106.058	105.618	0.440	4.000	105.978	-2.00	4.237	105.623	-150.00
-4.268	105.795	-150.00	-4.000	106.197	-2.00	2205+0.000	106.277	105.809	0.469	4.000	106.197	-2.00	4.226	105.859	-150.00
-4.277	106.066	-150.00	-4.000	106.482	-2.00	2206+0.000	106.562	106.150	0.413	4.000	106.482	-2.00	4.168	106.231	-150.00
-4.268	106.467	-150.00	-4.000	106.870	-2.00	2207+0.000	106.950	106.528	0.422	4.000	106.870	-2.00	4.173	106.610	-150.00
-4.253	106.723	-150.00	-4.000	107.103	-2.00	2208+0.000	107.183	106.790	0.393	4.000	107.103	-2.00	4.118	106.926	-150.00
-4.328	106.767	-150.00	-4.000	107.259	-2.00	2209+0.000	107.339	106.910	0.429	4.000	107.259	-2.00	4.141	107.047	-150.00
-4.308	106.902	-150.00	-4.000	107.365	-2.00	2210+0.000	107.445	107.027	0.418	4.000	107.365	-2.00	4.147	107.144	-150.00
-4.296	106.867	-150.00	-4.000	107.311	-2.00	2211+0.000	107.391	107.016	0.375	4.000	107.311	-2.00	4.102	107.158	-150.00
-4.290	106.822	-150.00	-4.000	107.257	-2.00	2212+0.000	107.337	107.041	0.297	4.000	107.257	-2.00	4.008	107.245	-150.00
-4.392	106.615	-150.00	-4.000	107.203	-2.00	2213+0.000	107.283	106.838	0.445	4.000	107.203	-2.00	4.089	107.070	-150.00
-4.407	106.635	-150.00	-4.000	107.245	-2.00	2214+0.000	107.325	106.925	0.400	4.000	107.245	-2.00	4.036	107.191	-150.00
-4.395	106.844	-150.00	-4.000	107.437	-2.00	2215+0.000	107.517	107.072	0.445	4.000	107.437	-2.00	4.102	107.284	-150.00
-4.392	107.041	-150.00	-4.000	107.629	-2.00	2216+0.000	107.709	107.267	0.442	4.000	107.629	-2.00	4.111	107.462	-150.00
-4.368	107.250	-150.00	-4.000	107.802	-2.00	2217+0.000	107.882	107.374	0.508	4.000	107.802	-2.00	4.206	107.493	-150.00
-4.191	107.685	-150.00	-4.000	107.972	-2.00	2218+0.000	108.052	107.703	0.349	4.000	107.972	-2.00	4.167	107.721	-150.00
-4.200	107.910	-150.00	-4.000	108.210	-2.00	2219+0.000	108.290	107.908	0.382	4.000	108.210	-2.00	4.205	107.902	-150.00
-4.212	108.242	-150.00	-4.000	108.561	-2.00	2220+0.000	108.641	108.237	0.404	4.000	108.561	-2.00	4.190	108.275	-150.00
-4.170	108.760	-150.00	-4.000	109.015	-2.00	2221+0.000	109.095	108.736	0.359	4.000	109.015	-2.00	4.148	108.793	-150.00
-4.124	109.304	-150.00	-4.000	109.490	-2.00	2222+0.000	109.570	109.312	0.258	4.000	109.490	-2.00	4.099	109.341	-150.00
-4.038	109.908	-150.00	-4.000	109.964	-2.00	2223+0.000	110.044	109.937	0.107	4.000	109.964	-2.00			
-4.086	110.378	66.67	-4.000	110.320	-2.00	2223+15.000	110.400	110.400	0.000	4.000	110.320	-2.00	4.155	110.424	66.67

Osvaldo Leôncio da Silva
Diretor da Unidade de Progr
Projetos
Secretaria

SECRETARIA
DAS **CIDADES** - SECID

GOVERNO DO
PIAUÍ
AQUI TEM TRABALHO.
AQUI TEM FUTURO.

TRECHO 1: MUNICÍPIO DE LAGOA ALEGRE AO ENTRONC. PI-113 (CABEÇEIRAS - PI)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
0+0,00	0,330	0,000	0,000	0,000	0,000	0,000	0,000
1+0,00	0,000	1,500	3,250	15,040	3,250	15,040	-11,790
2+0,00	0,000	1,410	0,000	29,090	3,250	44,130	-40,880
3+0,00	0,000	1,440	0,000	28,460	3,250	72,590	-69,340
4+0,00	0,000	1,650	0,000	30,890	3,250	103,480	-100,230
5+0,00	0,000	2,050	0,000	36,940	3,250	140,420	-137,170
6+0,00	0,000	2,130	0,000	41,780	3,250	182,200	-178,950
7+0,00	0,000	2,570	0,000	46,990	3,250	229,190	-225,940
8+0,00	0,000	3,030	0,000	55,980	3,250	285,170	-281,920
9+0,00	0,000	2,890	0,000	59,260	3,250	344,420	-341,170
10+0,00	0,000	2,890	0,000	57,840	3,250	402,270	-399,020
11+0,00	0,000	2,740	0,000	56,280	3,250	458,550	-455,300
12+0,00	0,000	2,670	0,000	54,070	3,250	512,620	-509,370
13+0,00	0,000	2,760	0,000	54,270	3,250	566,880	-563,630
14+0,00	0,000	2,840	0,000	55,930	3,250	622,810	-619,560
15+0,00	0,000	2,650	0,000	54,880	3,250	677,690	-674,440
16+0,00	0,000	2,830	0,000	54,850	3,250	732,540	-729,290
17+0,00	0,000	3,130	0,000	59,660	3,250	792,200	-788,950
18+0,00	0,000	1,990	0,000	51,230	3,250	843,430	-840,180
19+0,00	0,000	0,570	0,000	25,570	3,250	869,000	-865,750
20+0,00	0,000	1,330	0,000	18,940	3,250	887,940	-884,690
21+0,00	0,000	3,400	0,000	47,230	3,250	935,170	-931,920
22+0,00	0,000	4,980	0,000	83,720	3,250	1018,890	-1015,640
23+0,00	0,000	4,740	0,000	97,140	3,250	1116,030	-1112,780
24+0,00	0,000	5,030	0,000	97,720	3,250	1213,750	-1210,500
25+0,00	0,000	3,670	0,000	87,030	3,250	1300,780	-1297,530
26+0,00	0,000	5,050	0,000	87,190	3,250	1387,970	-1384,720
27+0,00	0,000	3,730	0,000	87,820	3,250	1475,790	-1472,540
28+0,00	0,000	3,090	0,000	68,200	3,250	1543,990	-1540,740
29+0,00	0,000	3,060	0,000	61,450	3,250	1605,440	-1602,190
30+0,00	0,000	3,210	0,000	62,660	3,250	1668,100	-1664,850
31+0,00	0,000	2,460	0,020	56,710	3,270	1724,810	-1721,540
32+0,00	0,000	2,830	0,020	53,430	3,290	1778,240	-1774,950
33+0,00	0,000	3,040	0,000	58,700	3,290	1836,950	-1833,660
34+0,00	0,000	2,980	0,000	60,130	3,290	1897,080	-1893,790
35+0,00	0,000	3,750	0,000	67,220	3,290	1964,300	-1961,010
36+0,00	0,000	4,950	0,000	87,010	3,290	2051,300	-2048,010
37+0,00	0,000	3,610	0,000	85,690	3,290	2136,990	-2133,700
38+0,00	0,000	2,960	0,000	65,760	3,290	2202,750	-2199,460
39+0,00	0,000	2,880	0,000	58,530	3,290	2261,280	-2257,990
40+0,00	0,000	2,870	0,000	57,540	3,290	2318,820	-2315,530
41+0,00	0,000	1,550	0,000	44,170	3,290	2362,990	-2359,700
42+0,00	0,000	1,530	0,000	30,780	3,290	2393,770	-2390,480
43+0,00	0,000	1,760	0,000	32,950	3,290	2426,720	-2423,430
44+0,00	0,000	1,860	0,000	36,270	3,290	2462,990	-2459,700
45+0,00	0,000	1,770	0,000	36,350	3,290	2499,340	-2496,050
46+0,00	0,000	2,760	0,000	45,360	3,290	2544,700	-2541,410
47+0,00	0,000	2,970	0,000	57,340	3,290	2602,050	-2598,760
48+0,00	0,000	3,080	0,000	60,520	3,290	2662,570	-2659,280
49+0,00	0,000	2,790	0,000	58,720	3,290	2721,290	-2718,000
50+0,00	0,000	3,110	0,000	58,950	3,290	2780,240	-2776,950
51+0,00	0,000	3,400	0,000	65,010	3,290	2845,250	-2841,960
52+0,00	0,000	2,890	0,000	62,860	3,290	2908,110	-2904,820
53+0,00	0,000	3,700	0,000	65,920	3,290	2974,030	-2970,740
54+0,00	0,000	3,310	0,000	70,140	3,290	3044,170	-3040,880

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Projetos
Projetos e Obras - SUPPO
Secretaria das Cidades - SECID

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
55+0,00	0,000	3,010	0,000	63,240	3,290	3107,400	-3104,110
56+0,00	0,000	2,810	0,000	58,220	3,290	3165,620	-3162,330
57+0,00	0,000	2,560	0,000	53,680	3,290	3219,310	-3216,020
58+0,00	0,000	2,220	0,000	47,750	3,290	3267,060	-3263,770
59+0,00	0,000	2,200	0,000	44,140	3,290	3311,200	-3307,910
60+0,00	0,000	3,010	0,000	52,030	3,290	3363,230	-3359,940
61+0,00	0,000	3,060	0,000	60,650	3,290	3423,880	-3420,590
62+0,00	0,000	3,080	0,000	61,360	3,290	3485,250	-3481,960
63+0,00	0,000	3,070	0,000	61,470	3,290	3546,720	-3543,430
64+0,00	0,000	2,780	0,000	58,510	3,290	3605,230	-3601,940
65+0,00	0,000	2,370	0,000	51,520	3,290	3656,750	-3653,460
66+0,00	0,000	2,600	0,000	49,650	3,290	3706,400	-3703,110
67+0,00	0,000	2,890	0,000	54,850	3,290	3761,250	-3757,960
68+0,00	0,000	2,920	0,000	58,100	3,290	3819,350	-3816,060
69+0,00	0,000	2,870	0,000	57,900	3,290	3877,250	-3873,960
70+0,00	0,000	2,920	0,000	57,850	3,290	3935,090	-3931,800
71+0,00	0,000	2,790	0,000	57,040	3,290	3992,130	-3988,840
72+0,00	0,000	2,650	0,000	54,370	3,290	4046,500	-4043,210
73+0,00	0,000	3,270	0,000	59,240	3,290	4105,730	-4102,440
74+0,00	0,000	3,240	0,000	65,140	3,290	4170,870	-4167,580
75+0,00	0,000	2,800	0,000	60,350	3,290	4231,220	-4227,930
76+0,00	0,000	2,830	0,000	56,210	3,290	4287,430	-4284,140
77+0,00	0,000	2,500	0,000	53,220	3,290	4340,650	-4337,360
78+0,00	0,000	2,280	0,000	47,780	3,290	4388,430	-4385,140
79+0,00	0,000	3,000	0,000	52,860	3,290	4441,290	-4438,000
80+0,00	0,000	3,070	0,000	60,780	3,290	4502,070	-4498,780
81+0,00	0,000	2,400	0,000	54,710	3,290	4556,780	-4553,490
82+0,00	0,000	2,440	0,000	48,380	3,290	4605,170	-4601,880
83+0,00	0,000	3,150	0,000	55,960	3,290	4661,120	-4657,830
84+0,00	0,000	2,920	0,000	60,760	3,290	4721,890	-4718,600
85+0,00	0,000	2,970	0,000	58,920	3,290	4780,810	-4777,520
86+0,00	0,000	2,950	0,000	59,240	3,290	4840,050	-4836,760
87+0,00	0,000	3,150	0,000	61,090	3,290	4901,130	-4897,840
88+0,00	0,000	2,510	0,000	56,690	3,290	4957,820	-4954,530
89+0,00	0,000	1,730	0,000	42,360	3,290	5000,180	-4996,890
90+0,00	0,000	2,080	0,000	38,050	3,290	5038,240	-5034,950
91+0,00	0,000	2,700	0,000	47,760	3,290	5086,000	-5082,710
92+0,00	0,000	2,770	0,000	54,630	3,290	5140,630	-5137,340
93+0,00	0,000	2,510	0,000	52,780	3,290	5193,410	-5190,120
94+0,00	0,000	2,960	0,000	54,700	3,290	5248,110	-5244,820
95+0,00	0,000	3,080	0,000	60,340	3,290	5308,450	-5305,160
96+0,00	0,000	3,320	0,000	63,920	3,290	5372,380	-5369,090
97+0,00	0,000	2,670	0,000	59,910	3,290	5432,290	-5429,000
98+0,00	0,000	2,130	0,000	48,010	3,290	5480,300	-5477,010
99+0,00	0,000	2,400	0,000	45,260	3,290	5525,560	-5522,270
100+0,00	0,000	2,720	0,000	51,230	3,290	5576,800	-5573,510
101+0,00	0,000	2,370	0,000	50,900	3,290	5627,700	-5624,410
102+0,00	0,000	2,240	0,000	46,070	3,290	5673,770	-5670,480
103+0,00	0,000	2,100	0,000	43,420	3,290	5717,190	-5713,900
104+0,00	0,000	2,510	0,000	46,150	3,290	5763,330	-5760,040
105+0,00	0,000	3,040	0,000	55,530	3,290	5818,860	-5815,570
106+0,00	0,000	3,140	0,000	61,830	3,290	5880,680	-5877,390
107+0,00	0,000	2,950	0,000	60,930	3,290	5941,610	-5938,320
108+0,00	0,000	2,490	0,000	54,360	3,290	5995,970	-5992,680
109+0,00	0,000	1,950	0,000	44,370	3,290	6040,340	-6037,050
110+0,00	0,000	1,760	0,000	37,140	3,290	6077,480	-6074,190
111+0,00	0,000	1,850	0,000	36,160	3,290	6113,640	-6110,350
112+0,00	0,000	1,770	0,000	36,190	3,290	6149,840	-6146,550
113+0,00	0,000	1,810	0,000	35,810	3,290	6185,650	-6182,360
114+0,00	0,000	1,640	0,000	34,560	3,290	6220,210	-6216,920
115+0,00	0,000	1,870	0,000	35,120	3,290	6255,330	-6252,040
116+0,00	0,000	1,860	0,000	37,340	3,290	6292,670	-6289,380
117+0,00	0,000	2,170	0,000	40,330	3,290	6333,000	-6329,710
118+0,00	0,000	2,510	0,000	46,830	3,290	6379,830	-6376,540

Osvaldo Leôncio da Silva Filho
Diretor de Gestão de Programas
Projetos e Obras - DUPPO
Secretaria de Habitação (Secid)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
119+0,00	0,000	2,800	0,000	53,160	3,290	6433,000	-6429,710
120+0,00	0,000	2,410	0,000	52,130	3,290	6485,130	-6481,840
121+0,00	0,000	2,710	0,000	51,180	3,290	6536,310	-6533,020
122+0,00	0,000	1,730	0,000	44,350	3,290	6580,660	-6577,370
123+0,00	0,000	1,580	0,000	33,040	3,290	6613,700	-6610,410
124+0,00	0,000	2,290	0,000	38,670	3,290	6652,370	-6649,080
125+0,00	0,000	2,840	0,000	51,270	3,290	6703,640	-6700,350
126+0,00	0,000	3,080	0,000	59,190	3,290	6762,820	-6759,530
127+0,00	0,000	2,830	0,000	59,080	3,290	6821,900	-6818,610
128+0,00	0,000	2,910	0,000	57,370	3,290	6879,270	-6875,980
129+0,00	0,000	3,000	0,000	59,090	3,290	6938,360	-6935,070
130+0,00	0,000	2,670	0,000	56,660	3,290	6995,020	-6991,730
131+0,00	0,000	2,880	0,000	55,520	3,290	7050,540	-7047,250
132+0,00	0,000	3,140	0,000	60,280	3,290	7110,820	-7107,530
133+0,00	0,000	2,640	0,000	57,830	3,290	7168,640	-7165,350
134+0,00	0,000	2,600	0,000	52,390	3,290	7221,030	-7217,740
135+0,00	0,000	3,260	0,000	58,570	3,290	7279,610	-7276,320
136+0,00	0,000	2,940	0,000	61,950	3,290	7341,560	-7338,270
137+0,00	0,000	2,370	0,000	53,090	3,290	7394,640	-7391,350
138+0,00	0,000	2,530	0,000	48,990	3,290	7443,630	-7440,340
139+0,00	0,000	1,880	0,000	44,050	3,290	7487,680	-7484,390
140+0,00	0,000	1,640	0,000	35,190	3,290	7522,870	-7519,580
141+0,00	0,000	1,400	0,000	30,470	3,290	7553,340	-7550,050
142+0,00	0,000	1,440	0,000	28,450	3,290	7581,800	-7578,510
143+0,00	0,000	1,500	0,000	29,460	3,290	7611,260	-7607,970
144+0,00	0,000	1,300	0,000	28,090	3,290	7639,350	-7636,060
145+0,00	0,000	2,070	0,000	33,740	3,290	7673,090	-7669,800
146+0,00	0,000	2,840	0,000	49,070	3,290	7722,170	-7718,880
147+0,00	0,000	3,100	0,000	59,340	3,290	7781,500	-7778,210
148+0,00	0,000	3,550	0,000	66,460	3,290	7847,970	-7844,680
149+0,00	0,000	3,490	0,000	70,390	3,290	7918,360	-7915,070
150+0,00	0,000	3,610	0,000	71,020	3,290	7989,380	-7986,090
151+0,00	0,000	3,460	0,000	70,730	3,290	8060,110	-8056,820
152+0,00	0,000	2,850	0,000	63,130	3,290	8123,230	-8119,940
153+0,00	0,000	2,940	0,000	57,950	3,290	8181,180	-8177,890
154+0,00	0,000	2,860	0,000	58,050	3,290	8239,230	-8235,940
155+0,00	0,000	2,980	0,000	58,480	3,290	8297,710	-8294,420
156+0,00	0,000	4,110	0,000	70,970	3,290	8368,680	-8365,390
157+0,00	0,000	3,470	0,000	75,840	3,290	8444,520	-8441,230
158+0,00	0,000	3,720	0,000	71,870	3,290	8516,390	-8513,100
159+0,00	0,000	2,870	0,000	65,830	3,290	8582,220	-8578,930
160+0,00	0,000	2,890	0,000	57,550	3,290	8639,760	-8636,470
161+0,00	0,000	2,900	0,000	57,840	3,290	8697,600	-8694,310
162+0,00	0,000	2,940	0,000	58,390	3,290	8756,000	-8752,710
163+0,00	0,000	3,030	0,000	59,690	3,290	8815,690	-8812,400
164+0,00	0,000	2,630	0,000	56,530	3,290	8872,220	-8868,930
165+0,00	0,000	2,580	0,000	52,050	3,290	8924,260	-8920,970
166+0,00	0,000	2,780	0,000	53,620	3,290	8977,880	-8974,590
167+0,00	0,000	2,700	0,000	54,800	3,290	9032,680	-9029,390
168+0,00	0,000	2,760	0,000	54,570	3,290	9087,250	-9083,960
169+0,00	0,000	2,740	0,000	55,030	3,290	9142,280	-9138,990
170+0,00	0,000	2,850	0,000	55,960	3,290	9198,230	-9194,940
171+0,00	0,000	3,060	0,000	59,120	3,290	9257,360	-9254,070
172+0,00	0,000	2,950	0,000	60,070	3,290	9317,420	-9314,130
173+0,00	0,000	2,980	0,000	59,300	3,290	9376,720	-9373,430
174+0,00	0,000	3,030	0,000	60,160	3,290	9436,880	-9433,590
175+0,00	0,000	3,100	0,000	61,310	3,290	9498,190	-9494,900
176+0,00	0,000	3,060	0,000	61,520	3,290	9559,710	-9556,420
177+0,00	0,000	2,950	0,000	60,040	3,290	9619,760	-9616,470
178+0,00	0,000	3,090	0,000	60,410	3,290	9680,170	-9676,880
179+0,00	0,000	2,950	0,000	60,380	3,290	9740,550	-9737,260
180+0,00	0,000	2,830	0,000	57,720	3,290	9798,270	-9794,980
181+0,00	0,000	3,010	0,000	58,350	3,290	9856,620	-9853,330
182+0,00	0,000	2,430	0,000	54,340	3,290	9910,960	-9907,670

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades (Secid)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
183+0,00	0,000	2,610	0,000	50,380	3,290	9961,340	-9958,050
184+0,00	0,000	2,340	0,000	49,520	3,290	10010,860	-10007,570
185+0,00	0,000	2,430	0,000	47,720	3,290	10058,580	-10055,290
186+0,00	0,000	2,770	0,000	52,030	3,290	10110,610	-10107,320
187+0,00	0,000	3,110	0,000	58,780	3,290	10169,390	-10166,100
188+0,00	0,000	2,750	0,000	58,570	3,290	10227,970	-10224,680
189+0,00	0,000	1,720	0,000	44,710	3,290	10272,670	-10269,380
190+0,00	0,000	1,700	0,000	34,230	3,290	10306,910	-10303,620
191+0,00	0,000	1,980	0,000	36,790	3,290	10343,690	-10340,400
192+0,00	0,000	2,460	0,000	44,410	3,290	10388,100	-10384,810
193+0,00	0,000	2,880	0,000	53,450	3,290	10441,550	-10438,260
194+0,00	0,000	2,830	0,000	57,140	3,290	10498,700	-10495,410
195+0,00	0,000	2,950	0,000	57,880	3,290	10556,570	-10553,280
196+0,00	0,000	3,120	0,000	60,730	3,290	10617,300	-10614,010
197+0,00	0,000	3,030	0,000	61,530	3,290	10678,830	-10675,540
198+0,00	0,000	2,840	0,000	58,720	3,290	10737,550	-10734,260
199+0,00	0,000	2,630	0,000	54,680	3,290	10792,230	-10788,940
200+0,00	0,000	2,860	0,000	54,890	3,290	10847,120	-10843,830
201+0,00	0,000	2,580	0,000	54,410	3,290	10901,530	-10898,240
202+0,00	0,000	2,800	0,000	53,860	3,290	10955,390	-10952,100
203+0,00	0,000	2,980	0,000	57,850	3,290	11013,240	-11009,950
204+0,00	0,000	3,010	0,000	59,880	3,290	11073,120	-11069,830
205+0,00	0,000	2,960	0,000	59,650	3,290	11132,770	-11129,480
206+0,00	0,000	2,870	0,000	58,280	3,290	11191,050	-11187,760
207+0,00	0,000	3,160	0,000	60,280	3,290	11251,330	-11248,040
208+0,00	0,000	2,910	0,000	60,680	3,290	11312,020	-11308,730
209+0,00	0,000	2,810	0,000	57,170	3,290	11369,180	-11365,890
210+0,00	0,000	2,940	0,000	57,450	3,290	11426,640	-11423,350
211+0,00	0,000	2,620	0,000	55,620	3,290	11482,260	-11478,970
212+0,00	0,000	2,970	0,000	55,940	3,290	11538,200	-11534,910
213+0,00	0,000	2,860	0,000	58,250	3,290	11596,450	-11593,160
214+0,00	0,000	2,830	0,000	56,820	3,290	11653,270	-11649,980
215+0,00	0,000	2,920	0,000	57,490	3,290	11710,770	-11707,480
216+0,00	0,000	2,890	0,000	58,130	3,290	11768,900	-11765,610
217+0,00	0,000	2,830	0,000	57,210	3,290	11826,110	-11822,820
218+0,00	0,000	2,690	0,000	55,250	3,290	11881,360	-11878,070
219+0,00	0,000	2,690	0,000	53,870	3,290	11935,230	-11931,940
220+0,00	0,000	2,610	0,000	52,980	3,290	11988,210	-11984,920
221+0,00	0,000	2,770	0,000	53,780	3,290	12041,990	-12038,700
222+0,00	0,000	2,860	0,000	56,380	3,290	12098,370	-12095,080
223+0,00	0,000	2,820	0,000	56,820	3,290	12155,180	-12151,890
224+0,00	0,000	2,920	0,000	57,380	3,290	12212,570	-12209,280
225+0,00	0,000	2,410	0,000	53,270	3,290	12265,840	-12262,550
226+0,00	0,000	3,250	0,000	56,600	3,290	12322,440	-12319,150
227+0,00	0,000	2,950	0,000	62,090	3,290	12384,530	-12381,240
228+0,00	0,000	3,050	0,000	60,200	3,290	12444,730	-12441,440
229+0,00	0,000	2,960	0,000	60,240	3,290	12504,970	-12501,680
230+0,00	0,000	2,870	0,000	58,360	3,290	12563,330	-12560,040
231+0,00	0,000	2,740	0,000	56,130	3,290	12619,460	-12616,170
232+0,00	0,000	2,790	0,000	55,390	3,290	12674,850	-12671,560
233+0,00	0,000	2,790	0,000	55,870	3,290	12730,710	-12727,420
234+0,00	0,000	3,070	0,000	58,590	3,290	12789,300	-12786,010
235+0,00	0,000	3,000	0,000	60,640	3,290	12849,940	-12846,650
236+0,00	0,000	2,880	0,000	58,830	3,290	12908,770	-12905,480
237+0,00	0,000	2,780	0,000	56,670	3,290	12965,440	-12962,150
238+0,00	0,000	2,770	0,000	55,560	3,290	13021,010	-13017,720
239+0,00	0,000	2,030	0,000	48,080	3,290	13069,080	-13065,790
240+0,00	0,000	1,650	0,000	36,880	3,290	13105,970	-13102,680
241+0,00	0,000	2,890	0,000	45,480	3,290	13151,450	-13148,160
242+0,00	0,000	3,050	0,000	59,480	3,290	13210,930	-13207,640
243+0,00	0,000	3,090	0,000	61,480	3,290	13272,410	-13269,120
244+0,00	0,000	3,060	0,000	61,590	3,290	13334,000	-13330,710
245+0,00	0,000	2,760	0,000	58,210	3,290	13392,210	-13388,920
246+0,00	0,000	2,680	0,000	54,370	3,290	13446,590	-13443,300

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades (Sedur)

-4.082	110.563	-150.00	-4.000	110.687	-2.00	722+0.000	110.767	110.448	0.319	4.000	110.687	-2.00	4.239	110.329	-150.00
-4.111	110.896	-150.00	-4.000	111.063	-2.00	723+0.000	111.143	110.788	0.354	4.000	111.063	-2.00	4.263	110.668	-150.00
-4.140	111.099	-150.00	-4.000	111.309	-2.00	724+0.000	111.389	110.982	0.407	4.000	111.309	-2.00	4.290	110.874	-150.00
-4.146	111.337	-150.00	-4.000	111.556	-2.00	725+0.000	111.636	111.215	0.421	4.000	111.556	-2.00	4.312	111.088	-150.00
-4.196	111.615	-150.00	-4.000	111.909	-2.00	726+0.000	111.989	111.551	0.437	4.000	111.909	-2.00	4.264	111.512	-150.00
-4.149	112.299	-150.00	-4.000	112.522	-2.00	727+0.000	112.602	112.231	0.371	4.000	112.522	-2.00	4.240	112.162	-150.00
-4.141	113.087	-150.00	-4.000	113.298	-2.00	728+0.000	113.378	112.986	0.392	4.000	113.298	-2.00	4.261	112.907	-150.00
-4.070	114.133	-150.00	-4.000	114.238	-2.00	729+0.000	114.318	114.034	0.284	4.000	114.238	-2.00	4.204	113.932	-150.00
-4.091	115.169	-150.00	-4.000	115.305	-2.00	730+0.000	115.385	115.088	0.297	4.000	115.305	-2.00	4.212	114.987	-150.00
-4.085	116.255	-150.00	-4.000	116.383	-2.00	731+0.000	116.463	116.157	0.305	4.000	116.383	-2.00	4.218	116.056	-150.00
-4.133	117.085	-150.00	-4.000	117.285	-2.00	732+0.000	117.365	117.011	0.355	4.000	117.285	-2.00	4.235	116.933	-150.00
-4.156	117.523	-150.00	-4.000	117.757	-2.00	733+0.000	117.837	117.439	0.398	4.000	117.757	-2.00	4.277	117.342	-150.00
-4.107	117.643	-150.00	-4.000	117.803	-2.00	734+0.000	117.883	117.560	0.323	4.000	117.803	-2.00	4.254	117.422	-150.00
-4.045	117.636	-150.00	-4.000	117.703	-2.00	735+0.000	117.783	117.505	0.278	4.000	117.703	-2.00	4.223	117.368	-150.00
-4.105	117.445	-150.00	-4.000	117.602	-2.00	736+0.000	117.682	117.306	0.376	4.000	117.602	-2.00	4.294	117.161	-150.00
-4.110	117.274	-150.00	-4.000	117.440	-2.00	737+0.000	117.520	117.129	0.391	4.000	117.440	-2.00	4.309	116.976	-150.00
-4.144	117.058	-150.00	-4.000	117.273	-2.00	738+0.000	117.353	116.946	0.407	4.000	117.273	-2.00	4.298	116.827	-150.00
-4.155	116.874	-150.00	-4.000	117.107	-2.00	739+0.000	117.187	116.747	0.440	4.000	117.107	-2.00	4.329	116.614	-150.00
-4.117	116.820	-150.00	-4.000	116.996	-2.00	740+0.000	117.076	116.727	0.349	4.000	116.996	-2.00	4.254	116.616	-150.00
-4.127	116.759	-150.00	-4.000	116.949	-2.00	741+0.000	117.029	116.704	0.325	4.000	116.949	-2.00	4.200	116.648	-150.00
-4.103	116.747	-150.00	-4.000	116.902	-2.00	742+0.000	116.982	116.688	0.294	4.000	116.902	-2.00	4.183	116.628	-150.00
-4.072	116.747	-150.00	-4.000	116.855	-2.00	743+0.000	116.935	116.685	0.249	4.000	116.855	-2.00	4.139	116.646	-150.00
-4.054	116.727	-150.00	-4.000	116.807	-2.00	744+0.000	116.887	116.668	0.219	4.000	116.807	-2.00	4.132	116.609	-150.00
-4.078	116.644	-150.00	-4.000	116.760	-2.00	745+0.000	116.840	116.595	0.245	4.000	116.760	-2.00	4.143	116.546	-150.00
-4.132	116.515	-150.00	-4.000	116.713	-2.00	746+0.000	116.793	116.459	0.334	4.000	116.713	-2.00	4.205	116.405	-150.00
-4.175	116.403	-150.00	-4.000	116.666	-2.00	747+0.000	116.746	116.355	0.391	4.000	116.666	-2.00	4.220	116.336	-150.00
-4.190	116.334	-150.00	-4.000	116.619	-2.00	748+0.000	116.699	116.316	0.383	4.000	116.619	-2.00	4.214	116.298	-150.00
-4.167	116.320	-150.00	-4.000	116.572	-2.00	749+0.000	116.652	116.286	0.366	4.000	116.572	-2.00	4.214	116.251	-150.00
-4.141	116.313	-150.00	-4.000	116.524	-2.00	750+0.000	116.604	116.270	0.334	4.000	116.524	-2.00	4.203	116.220	-150.00
-4.176	116.197	-150.00	-4.000	116.462	-2.00	751+0.000	116.542	116.140	0.402	4.000	116.462	-2.00	4.251	116.085	-150.00
-4.165	115.918	-150.00	-4.000	116.166	-2.00	752+0.000	116.246	115.862	0.384	4.000	116.166	-2.00	4.251	115.790	-150.00
-4.056	115.787	-150.00	-4.000	115.871	-2.00	753+0.000	115.951	115.646	0.305	4.000	115.871	-2.00	4.223	115.536	-150.00
-4.044	115.646	-150.00	-4.000	115.712	-2.00	754+0.000	115.792	115.505	0.287	4.000	115.712	-2.00	4.206	115.403	-150.00
-4.080	115.699	-150.00	-4.000	115.818	-2.00	755+0.000	115.898	115.564	0.334	4.000	115.818	-2.00	4.250	115.443	-150.00
-4.142	115.970	-150.00	-4.000	116.184	-2.00	756+0.000	116.264	115.860	0.404	4.000	116.184	-2.00	4.292	115.745	-150.00
-4.128	116.440	-150.00	-4.000	116.632	-2.00	757+0.000	116.712	116.315	0.397	4.000	116.632	-2.00	4.293	116.193	-150.00
-4.065	117.172	-150.00	-4.000	117.271	-2.00	758+0.000	117.351	117.062	0.289	4.000	117.271	-2.00	4.216	116.947	-150.00
-4.097	117.775	-150.00	-4.000	117.920	-2.00	759+0.000	118.000	117.707	0.293	4.000	117.920	-2.00	4.189	117.637	-150.00
-4.156	118.334	-150.00	-4.000	118.568	-2.00	760+0.000	118.648	118.300	0.349	4.000	118.568	-2.00	4.202	118.266	-150.00
-4.226	118.693	-150.00	-4.000	119.033	-2.00	761+0.000	119.113	118.712	0.401	4.000	119.033	-2.00	4.201	118.731	-150.00
-4.190	118.854	-150.00	-4.000	119.139	-2.00	762+0.000	119.219	118.823	0.395	4.000	119.139	-2.00	4.198	118.842	-150.00
-4.206	118.749	-150.00	-4.000	119.057	-2.00	763+0.000	119.137	118.734	0.403	4.000	119.057	-2.00	4.216	118.734	-150.00
-4.202	118.640	-150.00	-4.000	118.944	-2.00	764+0.000	119.024	118.621	0.403	4.000	118.944	-2.00	4.233	118.594	-150.00
-4.258	118.470	-150.00	-4.000	118.856	-2.00	765+0.000	118.936	118.443	0.494	4.000	118.856	-2.00	4.294	118.415	-150.00
-4.155	118.611	-150.00	-4.000	118.844	-2.00	766+0.000	118.924	118.574	0.351	4.000	118.844	-2.00	4.248	118.472	-150.00
-4.174	118.648	-150.00	-4.000	118.909	-2.00	767+0.000	118.989	118.551	0.438	4.000	118.909	-2.00	4.305	118.451	-150.00
-4.161	118.808	-150.00	-4.000	119.050	-2.00	768+0.000	119.130	118.687	0.442	4.000	119.050	-2.00	4.325	118.563	-150.00
-4.178	119.000	-150.00	-4.000	119.267	-2.00	769+0.000	119.347	118.878	0.468	4.000	119.267	-2.00	4.343	118.752	-150.00
-4.169	119.267	-150.00	-4.000	119.520	-2.00	770+0.000	119.600	119.061	0.539	4.000	119.520	-2.00	4.402	118.917	-150.00
-4.145	119.555	-150.00	-4.000	119.773	-2.00	771+0.000	119.853	119.333	0.520	4.000	119.773	-2.00	4.436	119.119	-150.00
-4.120	119.845	-150.00	-4.000	120.025	-2.00	772+0.000	120.105	119.630	0.476	4.000	120.025	-2.00	4.418	119.399	-150.00
-4.093	120.139	-150.00	-4.000	120.278	-2.00	773+0.000	120.358	119.930	0.428	4.000	120.278	-2.00	4.381	119.707	-150.00
-4.068	120.429	-150.00	-4.000	120.531	-2.00	774+0.000	120.611	120.243	0.368	4.000	120.531	-2.00	4.328	120.039	-150.00
-4.083	120.656	-150.00	-4.000	120.780	-2.00	775+0.000	120.860	120.474	0.386	4.000	120.780	-2.00	4.332	120.282	-150.00
-4.054	120.911	-150.00	-4.000	120.992	-2.00	776+0.000	121.072	120.738	0.334	4.000	120.992	-2.00	4.291	120.556	-150.00
-4.078	121.042	-150.00	-4.000	121.160	-2.00	777+0.000	121.240	120.865	0.375	4.000	121.160	-2.00	4.324	120.674	-150.00
-4.110	121.119	-150.00	-4.000	121.284	-2.00	778+0.000	121.364	120.966	0.397	4.000	121.284	-2.00	4.245	120.916	-150.00
-4.087	121.262	-150.00	-4.000	121.393	-2.00	779+0.000	121.473	121.113	0.360	4.000	121.393	-2.00	4.293	120.954	-150.00
-4.158	121.356	-150.00	-4.000	121.592	-2.00	780+0.000	121.672	121.272	0.400	4.000	121.592	-2.00	4.262	121.200	-150.00
-4.145	121.685	-150.00	-4.000	121.903	-2.00	781+0.000	121.983	121.618	0.365	4.000	121.903	-2.00	4.236	121.549	-150.00
-4.122	122.031	-150.00	-4.000	122.213	-2.00	782+0.000	122.293	121.987	0.306	4.000	122.213	-2.00	4.180	121.943	-150.00
-4.168	122.272	-150.00	-4.000	122.523	-2.00	783+0.000	122.603	122.228	0.376	4.000	122.523	-2.00	4.227	122.183	-150.00
-4.203	122.510	-150.00	-4.000	122.814	-2.00	784+0.000	122.894	122.495	0.399	4.000	122.814	-2.00	4.218	122.488	-150.00
-4.194	122.525	-150.00	-4.000	122.816	-2.00	785+0.000	122.896	122.497	0.398	4.000	122.816	-2.00	4.231	122.470	-150.00
-4.192	122.433	-150.00	-4.000	122.721	-2.00	786+0.000	122.801	122.414	0.387	4.000	122.721	-2.00	4.221	122.390	-150.00
-4.187	122.252	-150.00	-4.000	122.532	-2.00	787+0.000	122.612	122.236	0.376	4.000	122.532	-2.00	4.209	122.218	-150.00
-4.183	122.135	-150.00	-4.000	122.410	-2.00	788+0.000	122.490	122.129	0.361	4.000	122.410	-2.00	4.191	122.124	-150.00
-4.259	122.125	-150.00	-4.000	122.514	-2.00	789+0.000	122.594	122.139	0.456	4.000	122.514	-2.00	4.241	122.152	-150.00
-4.242	122.488	-150.00	-4.000	122.852	-2.00	790+0.000	122.932	122.504	0.428	4.000	122.852	-2.00	4.221	122.520	-150.00
-4.277	123.005	-150.00	-4.000	123.421	-2.00	791+0.000	123.501	123.015	0.487	4.000	123.421	-2.00	4.264	123.026	-150.00
-4.291	123.718	-150.00	-4.000	124.154	-2.00	792+0.000	124.234	123.725	0.509	4.000	124.154	-2.00	4.281	123.732	-150.00
-4.245	124.363	-150.00	-4.000	124.730	-2.00	793+0.000	124.810	124.387	0.423	4.000	124.730	-2.00	4.224	124.394	-150.00
-4.201	124.736	-150.00	-4.000	125.038	-2.00	794+0.000	125.118	124.758	0.360	4.000	125.038	-2.00	4.194	124.747	-150.00
-4.152	124.849	-150.00	-4.000	125.077	-2.00	795+0.000	125.157	124.843	0.314	4.000	125.077	-2.00	4.160	124.837	-150.00
-4.295	124.406	-150.00	-4.000	124.849	-2.00	796+0.000	124.929	124.334	0.595	4.000	124.849	-2.00	4.373	124.289	-150.00
-4.135	124.221	-150.00	-4.000	124.423	-2.00	797+0.000	124.503	124.059	0.444	4.000	124.423	-2.00	4.356	123.889	-150.00
-4.044	123.921	-150.00	-4.000	123.987	-2.00	798+0.000	124.067	123.680	0.387	4.000	123.987	-2.00	4.379	123.419	-150.00
-4.009	123.538	-150.00	-4.000	123.552	-2.00	799+0.000	123.632	123.284	0.348	4.000	123.552	-2.00	4.363	123.007	-150.00
-4.083	123.080	-150.00	-4.000	123.205	-2.00	800+0.000	123.285	122.954	0.330	4.000	123.205	-2.00	4.282	122.782	-150.00
-4.084	122.951	-150.00	-4.000	123.077	-2.00	801+0.000	123.157	122.779	0.378	4.000	123.077	-2.00	4.282	122.654	-150.00
-4.186	122.670	-150.00	-4.000	122.950	-2.00	802+0.000	123.030	122.607	0.423	4.000	122.950	-2.00	4.272	122.542	-150.00

Osvaldo Leôncio da Silva Filho
Diretor da Diretoria de Programas
Projetos e Obras - DUPROJ
Secretaria de Desenvolvimento Social

-4.170	122.576	-150.00	-4.000	122.831	-2.00	803+0.000	122.911	122.514	0.398	4.000	122.831	-2.00	4.247	122.461	-150.00
-4.184	122.685	-150.00	-4.000	122.962	-2.00	804+0.000	123.042	122.674	0.367	4.000	122.962	-2.00	4.213	122.643	-150.00
-4.258	122.704	-150.00	-4.000	123.092	-2.00	805+0.000	123.172	122.709	0.463	4.000	123.092	-2.00	4.252	122.713	-150.00
-4.267	122.822	-150.00	-4.000	123.222	-2.00	806+0.000	123.302	122.844	0.458	4.000	123.222	-2.00	4.237	122.867	-150.00
-4.243	122.988	-150.00	-4.000	123.352	-2.00	807+0.000	123.432	123.022	0.411	4.000	123.352	-2.00	4.199	123.055	-150.00
-4.229	123.139	-150.00	-4.000	123.483	-2.00	808+0.000	123.563	123.171	0.391	4.000	123.483	-2.00	4.188	123.201	-150.00
-4.211	123.233	-150.00	-4.000	123.550	-2.00	809+0.000	123.630	123.268	0.362	4.000	123.550	-2.00	4.167	123.300	-150.00
-4.222	123.270	-150.00	-4.000	123.603	-2.00	810+0.000	123.683	123.301	0.383	4.000	123.603	-2.00	4.181	123.331	-150.00
-4.249	123.220	-150.00	-4.000	123.594	-2.00	811+0.000	123.674	123.262	0.412	4.000	123.594	-2.00	4.194	123.303	-150.00
-4.281	123.131	-150.00	-4.000	123.553	-2.00	812+0.000	123.633	123.176	0.457	4.000	123.553	-2.00	4.222	123.219	-150.00
-4.264	123.116	-150.00	-4.000	123.512	-2.00	813+0.000	123.592	123.166	0.426	4.000	123.512	-2.00	4.198	123.215	-150.00
-4.212	123.134	-150.00	-4.000	123.452	-2.00	814+0.000	123.532	123.134	0.399	4.000	123.452	-2.00	4.214	123.132	-150.00
-4.239	122.939	-150.00	-4.000	123.298	-2.00	815+0.000	123.378	122.940	0.438	4.000	123.298	-2.00	4.238	122.941	-150.00
-4.230	122.694	-150.00	-4.000	123.040	-2.00	816+0.000	123.120	122.707	0.413	4.000	123.040	-2.00	4.224	122.704	-150.00
-4.213	122.405	-150.00	-4.000	122.725	-2.00	817+0.000	122.805	122.419	0.386	4.000	122.725	-2.00	4.196	122.430	-150.00
-4.230	121.751	-150.00	-4.000	122.097	-2.00	818+0.000	122.177	121.745	0.431	4.000	122.097	-2.00	4.238	121.739	-150.00
-4.215	121.098	-150.00	-4.000	121.421	-2.00	819+0.000	121.501	121.089	0.412	4.000	121.421	-2.00	4.227	121.080	-150.00
-4.200	120.560	-150.00	-4.000	120.860	-2.00	820+0.000	120.940	120.558	0.382	4.000	120.860	-2.00	4.202	120.556	-150.00
-4.204	120.020	-150.00	-4.000	120.325	-2.00	821+0.000	120.405	120.019	0.386	4.000	120.325	-2.00	4.204	120.019	-150.00
-4.218	119.531	-150.00	-4.000	119.858	-2.00	822+0.000	119.938	119.552	0.387	4.000	119.858	-2.00	4.191	119.572	-150.00
-4.241	119.385	-150.00	-4.000	119.746	-2.00	823+0.000	119.826	119.423	0.403	4.000	119.746	-2.00	4.190	119.461	-150.00
-4.239	119.275	-150.00	-4.000	119.633	-2.00	824+0.000	119.713	119.312	0.401	4.000	119.633	-2.00	4.189	119.349	-150.00
-4.250	119.044	-150.00	-4.000	119.418	-2.00	825+0.000	119.498	119.017	0.482	4.000	119.418	-2.00	4.286	118.989	-150.00
-4.197	118.873	-150.00	-4.000	119.168	-2.00	826+0.000	119.248	118.816	0.433	4.000	119.168	-2.00	4.274	118.757	-150.00
-4.184	118.584	-150.00	-4.000	118.860	-2.00	827+0.000	118.940	118.547	0.393	4.000	118.860	-2.00	4.234	118.509	-150.00
-4.081	118.181	-150.00	-4.000	118.302	-2.00	828+0.000	118.382	118.153	0.229	4.000	118.302	-2.00	4.118	118.125	-150.00
-4.168	117.494	-150.00	-4.000	117.745	-2.00	829+0.000	117.825	117.502	0.323	4.000	117.745	-2.00	4.157	117.510	-150.00
-4.235	116.929	-150.00	-4.000	117.282	-2.00	830+0.000	117.362	116.986	0.376	4.000	117.282	-2.00	4.191	116.995	-150.00
-4.221	116.695	-150.00	-4.000	117.026	-2.00	831+0.000	117.106	116.704	0.401	4.000	117.026	-2.00	4.198	116.729	-150.00
-4.184	116.719	-150.00	-4.000	116.995	-2.00	832+0.000	117.075	116.834	0.241	4.000	116.995	-2.00	4.033	116.945	-150.00
-4.381	116.924	-150.00	-4.000	117.495	-2.00	833+0.000	117.575	117.004	0.572	4.000	117.495	-2.00	4.276	117.081	-150.00
-4.356	117.743	-150.00	-4.000	118.278	-2.00	834+0.000	118.358	117.829	0.529	4.000	118.278	-2.00	4.245	117.911	-150.00
-4.258	118.598	-150.00	-4.000	118.985	-2.00	835+0.000	119.065	118.667	0.398	4.000	118.985	-2.00	4.166	118.736	-150.00
-4.109	119.380	-150.00	-4.000	119.543	-2.00	836+0.000	119.623	119.465	0.158	4.000	119.543	-2.00	4.007	119.548	66.67
-4.192	119.665	-150.00	-4.000	119.953	-2.00	837+0.000	120.033	119.759	0.275	4.000	119.953	-2.00	4.069	119.850	-150.00
-4.220	119.885	-150.00	-4.000	120.215	-2.00	838+0.000	120.295	119.991	0.303	4.000	120.215	-2.00	4.073	120.105	-150.00
-4.252	119.949	-150.00	-4.000	120.327	-2.00	839+0.000	120.407	120.035	0.373	4.000	120.327	-2.00	4.136	120.123	-150.00
-4.224	119.961	-150.00	-4.000	120.297	-2.00	840+0.000	120.377	120.054	0.323	4.000	120.297	-2.00	4.104	120.141	-150.00
-4.249	119.944	-150.00	-4.000	120.317	-2.00	841+0.000	120.397	120.029	0.368	4.000	120.317	-2.00	4.137	120.112	-150.00
-4.184	120.407	-150.00	-4.000	120.684	-2.00	842+0.000	120.764	120.437	0.327	4.000	120.684	-2.00	4.145	120.466	-150.00
-4.284	120.986	-150.00	-4.000	121.413	-2.00	843+0.000	121.493	120.968	0.525	4.000	121.413	-2.00	4.309	120.949	-150.00
-4.309	121.893	-150.00	-4.000	122.357	-2.00	844+0.000	122.437	121.878	0.559	4.000	122.357	-2.00	4.329	121.863	-150.00
-4.316	122.823	-150.00	-4.000	123.298	-2.00	845+0.000	123.378	122.805	0.573	4.000	123.298	-2.00	4.341	122.787	-150.00
-4.213	123.780	-150.00	-4.000	124.100	-2.00	846+0.000	124.180	123.754	0.426	4.000	124.100	-2.00	4.244	123.733	-150.00
-4.216	124.369	-150.00	-4.000	124.693	-2.00	847+0.000	124.773	124.394	0.379	4.000	124.693	-2.00	4.177	124.428	-150.00
-4.174	124.816	-150.00	-4.000	125.078	-2.00	848+0.000	125.158	124.851	0.307	4.000	125.078	-2.00	4.132	124.880	-150.00
-4.227	124.952	-150.00	-4.000	125.292	-2.00	849+0.000	125.372	125.013	0.358	4.000	125.292	-2.00	4.147	125.071	-150.00
-4.242	125.126	-150.00	-4.000	125.488	-2.00	850+0.000	125.568	125.175	0.394	4.000	125.488	-2.00	4.180	125.219	-150.00
-4.180	125.415	-150.00	-4.000	125.686	-2.00	851+0.000	125.766	125.459	0.307	4.000	125.686	-2.00	4.122	125.502	-150.00
-4.196	126.080	-150.00	-4.000	126.374	-2.00	852+0.000	126.454	126.046	0.408	4.000	126.374	-2.00	4.242	126.011	-150.00
-4.189	127.120	-150.00	-4.000	127.404	-2.00	853+0.000	127.484	127.091	0.393	4.000	127.404	-2.00	4.228	127.062	-150.00
-4.088	127.990	-150.00	-4.000	128.123	-2.00	854+0.000	128.203	127.856	0.346	4.000	128.123	-2.00	4.271	127.716	-150.00
-4.037	128.533	-150.00	-4.000	128.588	-2.00	855+0.000	128.668	128.412	0.255	4.000	128.588	-2.00	4.209	128.274	-150.00
-4.122	128.867	-150.00	-4.000	129.050	-2.00	856+0.000	129.130	128.756	0.375	4.000	129.050	-2.00	4.273	128.640	-150.00
-4.173	129.034	-150.00	-4.000	129.294	-2.00	857+0.000	129.374	128.987	0.387	4.000	129.294	-2.00	4.257	128.909	-150.00
-4.184	128.903	-150.00	-4.000	129.179	-2.00	858+0.000	129.259	128.832	0.427	4.000	129.179	-2.00	4.280	128.759	-150.00
-4.177	128.441	-150.00	-4.000	128.707	-2.00	859+0.000	128.787	128.429	0.359	4.000	128.707	-2.00	4.194	128.416	-150.00
-4.179	127.832	-150.00	-4.000	128.100	-2.00	860+0.000	128.180	127.826	0.354	4.000	128.100	-2.00	4.175	127.838	-150.00
-4.191	127.206	-150.00	-4.000	127.493	-2.00	861+0.000	127.573	127.195	0.378	4.000	127.493	-2.00	4.198	127.196	-150.00
-4.186	126.608	-150.00	-4.000	126.887	-2.00	862+0.000	126.967	126.556	0.411	4.000	126.887	-2.00	4.227	126.546	-150.00
-4.170	126.479	-150.00	-4.000	126.734	-2.00	863+0.000	126.814	126.426	0.388	4.000	126.734	-2.00	4.242	126.372	-150.00
-4.125	126.342	-150.00	-4.000	126.529	-2.00	864+0.000	126.609	126.236	0.373	4.000	126.529	-2.00	4.269	126.126	-150.00
-4.048	125.951	-150.00	-4.000	126.023	-2.00	865+0.000	126.103	125.829	0.274	4.000	126.023	-2.00	4.214	125.702	-150.00
-4.078	125.397	-150.00	-4.000	125.514	-2.00	866+0.000	125.594	125.261	0.333	4.000	125.514	-2.00	4.263	125.119	-150.00
-4.077	124.889	-150.00	-4.000	125.004	-2.00	867+0.000	125.084	124.744	0.340	4.000	125.004	-2.00	4.276	124.590	-150.00
-4.084	124.369	-150.00	-4.000	124.495	-2.00	868+0.000	124.575	124.212	0.363	4.000	124.495	-2.00	4.294	124.054	-150.00
-4.089	123.853	-150.00	-4.000	123.986	-2.00	869+0.000	124.066	123.692	0.374	4.000	123.986	-2.00	4.306	123.526	-150.00
-4.111	123.405	-150.00	-4.000	123.571	-2.00	870+0.000	123.651	123.247	0.404	4.000	123.571	-2.00	4.264	123.176	-150.00
-4.108	123.161	-150.00	-4.000	123.323	-2.00	871+0.000	123.403	123.069	0.334	4.000	123.323	-2.00	4.234	122.972	-150.00
-4.099	123.094	-150.00	-4.000	123.242	-2.00	872+0.000	123.322	123.006	0.315	4.000	123.242	-2.00	4.218	122.915	-150.00
-4.084	123.202	-150.00	-4.000	123.327	-2.00	873+0.000	123.407	123.085	0.322	4.000	123.327	-2.00	4.233	122.977	-150.00
-4.082	123.455	-150.00	-4.000	123.579	-2.00	874+0.000	123.659	123.402	0.257	4.000	123.579	-2.00	4.155	123.347	-150.00
-4.071	123.891	-150.00	-4.000	123.997	-2.00	875+0.000	124.077	123.829	0.248	4.000	123.997	-2.00	4.154	123.766	-150.00
-4.148	124.315	-150.00	-4.000	124.536	-2.00	876+0.000	124.616	124.243	0.374	4.000	124.536	-2.00	4.242	124.173	-150.00
-4.196	124.787	-150.00	-4.000	125.081	-2.00	877+0.000	125.161	124.742	0.419	4.000	125.081	-2.00	4.254	124.700	-150.00
-4.215	125.139	-150.00	-4.000	125.462	-2.00	878+0.000	125.542	125.119	0.422	4.000	125.462	-2.00	4.242	125.099	-150.00
-4.144	125.397	-150.00	-4.000	125.613	-2.00	879+0.000	125.693	125.282	0.411	4.000	125.613	-2.00	4.247	125.243	-150.00
-4.144	125.549	-150.00	-4.000	125.764	-2.00	880+0.000	125.844	125.458	0.386	4.000	125.764	-2.00	4.255	125.382	-150.00
-4.139	125.668	-150.00	-4.000	125.877	-2.00	881+0.000	125.957	125.594	0.363	4.000	125.877	-2.00	4.239	125.518	-150.00
-4.159	125.609	-150.00	-4.000	125.848	-2.00	882+0.000	125.928	125.546	0.382	4.000	125.848	-2.00	4.235	125.495	-150.00
-4.118	125.700	-150.00	-4.000	125.877	-2.00	883+0.000	125.957	125.539	0.418	4.000	125.877	-2.00	4.303	125.423	-150.00

Osvaldo Leôncio da Silva
Diretor da Unidade de Programas
Projetos e Obras - SUPRO
Secretaria

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
247+0,00	0,000	2,380	0,000	50,560	3,290	13497,150	-13493,860
248+0,00	0,000	2,050	0,000	44,220	3,290	13541,370	-13538,080
249+0,00	0,000	2,520	0,000	45,640	3,290	13587,010	-13583,720
250+0,00	0,000	2,800	0,000	53,150	3,290	13640,160	-13636,870
251+0,00	0,000	2,450	0,000	52,440	3,290	13692,600	-13689,310
252+0,00	0,000	2,930	0,000	53,800	3,290	13746,400	-13743,110
253+0,00	0,000	2,520	0,000	54,510	3,290	13800,910	-13797,620
254+0,00	0,000	1,840	0,000	43,590	3,290	13844,490	-13841,200
255+0,00	0,000	2,420	0,000	42,640	3,290	13887,130	-13883,840
256+0,00	0,000	3,560	0,000	59,860	3,290	13947,000	-13943,710
257+0,00	0,000	3,350	0,000	69,140	3,290	14016,140	-14012,850
258+0,00	0,000	3,000	0,000	63,500	3,290	14079,630	-14076,340
259+0,00	0,000	3,100	0,000	61,080	3,290	14140,720	-14137,430
260+0,00	0,000	2,370	0,000	54,670	3,290	14195,390	-14192,100
261+0,00	0,000	2,540	0,000	49,070	3,290	14244,460	-14241,170
262+0,00	0,000	4,370	0,000	69,080	3,290	14313,540	-14310,250
263+0,00	0,000	2,660	0,000	70,340	3,290	14383,880	-14380,590
264+0,00	0,000	2,640	0,000	53,020	3,290	14436,900	-14433,610
265+0,00	0,000	1,800	0,000	44,350	3,290	14481,250	-14477,960
266+0,00	0,000	3,470	0,000	52,120	3,290	14533,370	-14530,080
267+0,00	0,000	4,590	0,000	80,630	3,290	14614,000	-14610,710
268+0,00	0,000	3,980	0,000	85,740	3,290	14699,740	-14696,450
269+0,00	0,000	1,980	0,000	59,560	3,290	14759,300	-14756,010
270+0,00	0,000	2,040	0,000	40,140	3,290	14799,430	-14796,140
271+0,00	0,000	2,920	0,000	49,630	3,290	14849,060	-14845,770
272+0,00	0,000	3,480	0,000	64,020	3,290	14913,080	-14909,790
273+0,00	0,000	3,480	0,000	69,560	3,290	14982,640	-14979,350
274+0,00	0,000	3,790	0,000	72,670	3,290	15055,310	-15052,020
275+0,00	0,000	3,210	0,000	70,010	3,290	15125,320	-15122,030
276+0,00	0,000	3,260	0,000	64,770	3,290	15190,090	-15186,800
277+0,00	0,000	2,920	0,000	61,820	3,290	15251,920	-15248,630
278+0,00	0,000	2,780	0,000	56,950	3,290	15308,870	-15305,580
279+0,00	0,000	2,910	0,000	56,920	3,290	15365,780	-15362,490
280+0,00	0,000	2,840	0,000	57,590	3,290	15423,370	-15420,080
281+0,00	0,000	2,910	0,000	57,570	3,290	15480,940	-15477,650
282+0,00	0,000	2,940	0,000	58,510	3,290	15539,450	-15536,160
283+0,00	0,000	2,930	0,000	58,660	3,290	15598,110	-15594,820
284+0,00	0,000	3,190	0,000	61,190	3,290	15659,300	-15656,010
285+0,00	0,000	3,380	0,000	65,750	3,290	15725,060	-15721,770
286+0,00	0,000	2,790	0,000	61,780	3,290	15786,830	-15783,540
287+0,00	0,000	2,790	0,000	55,830	3,290	15842,660	-15839,370
288+0,00	0,000	2,900	0,000	56,880	3,290	15899,540	-15896,250
289+0,00	0,000	2,110	0,000	50,130	3,290	15949,670	-15946,380
290+0,00	0,000	1,900	0,000	40,180	3,290	15989,850	-15986,560
291+0,00	0,000	2,300	0,000	42,020	3,290	16031,860	-16028,570
292+0,00	0,000	2,440	0,000	47,410	3,290	16079,280	-16075,990
293+0,00	0,000	2,750	0,000	51,920	3,290	16131,190	-16127,900
294+0,00	0,000	2,790	0,000	55,390	3,290	16186,580	-16183,290
295+0,00	0,000	2,720	0,000	55,050	3,290	16241,630	-16238,340
296+0,00	0,000	3,070	0,000	57,850	3,290	16299,480	-16296,190
297+0,00	0,000	3,340	0,000	64,060	3,290	16363,540	-16360,250
298+0,00	0,000	2,880	0,000	62,200	3,290	16425,740	-16422,450
299+0,00	0,000	3,430	0,000	63,100	3,290	16488,840	-16485,550
300+0,00	0,000	1,890	0,000	53,210	3,290	16542,050	-16538,760
301+0,00	0,000	1,980	0,000	38,720	3,290	16580,770	-16577,480
302+0,00	0,000	2,990	0,000	49,720	3,290	16630,490	-16627,200
303+0,00	0,000	2,920	0,000	59,150	3,290	16689,640	-16686,350
304+0,00	0,000	3,010	0,000	59,290	3,290	16748,930	-16745,640
305+0,00	0,000	3,080	0,000	60,890	3,290	16809,810	-16806,520
306+0,00	0,000	2,840	0,000	59,220	3,290	16869,040	-16865,750
307+0,00	0,000	3,720	0,000	65,630	3,290	16934,660	-16931,370
308+0,00	0,000	2,680	0,000	64,040	3,290	16998,710	-16995,420
309+0,00	0,000	3,560	0,000	62,460	3,290	17061,170	-17057,880
310+0,00	0,000	2,770	0,000	63,320	3,290	17124,480	-17121,190

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades (Sacid)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
311+0,00	0,000	1,750	0,000	45,200	3,290	17169,680	-17166,390
312+0,00	0,000	1,690	0,000	34,400	3,290	17204,080	-17200,790
313+0,00	0,000	2,640	0,000	43,320	3,290	17247,400	-17244,110
314+0,00	0,000	3,010	0,000	56,510	3,290	17303,910	-17300,620
315+0,00	0,000	3,230	0,000	62,380	3,290	17366,280	-17362,990
316+0,00	0,000	2,830	0,000	60,590	3,290	17426,880	-17423,590
317+0,00	0,000	2,560	0,000	53,870	3,290	17480,750	-17477,460
318+0,00	0,000	3,010	0,000	55,780	3,290	17536,520	-17533,230
319+0,00	0,000	3,000	0,000	60,090	3,290	17596,610	-17593,320
320+0,00	0,000	2,920	0,000	59,140	3,290	17655,750	-17652,460
321+0,00	0,000	2,210	0,000	51,280	3,290	17707,030	-17703,740
322+0,00	0,000	2,330	0,000	45,360	3,290	17752,400	-17749,110
323+0,00	0,000	2,730	0,000	50,580	3,290	17802,980	-17799,690
324+0,00	0,000	2,870	0,000	56,040	3,290	17859,020	-17855,730
325+0,00	0,000	3,790	0,000	66,620	3,290	17925,640	-17922,350
326+0,00	0,000	2,700	0,000	64,940	3,290	17990,580	-17987,290
327+0,00	0,000	2,850	0,000	55,530	3,290	18046,110	-18042,820
328+0,00	0,000	3,640	0,000	64,890	3,290	18111,000	-18107,710
329+0,00	0,000	3,350	0,000	69,870	3,290	18180,880	-18177,590
330+0,00	0,000	3,200	0,000	65,500	3,290	18246,380	-18243,090
331+0,00	0,000	2,360	0,000	55,660	3,290	18302,030	-18298,740
332+0,00	0,000	2,530	0,000	48,890	3,290	18350,920	-18347,630
333+0,00	0,000	2,140	0,000	46,210	3,290	18397,130	-18393,840
334+0,00	0,000	1,980	0,000	41,250	3,290	18438,380	-18435,090
335+0,00	0,000	1,900	0,000	38,820	3,290	18477,210	-18473,920
336+0,00	0,000	2,790	0,000	46,920	3,290	18524,130	-18520,840
337+0,00	0,000	2,490	0,000	52,840	3,290	18576,970	-18573,680
338+0,00	0,000	2,530	0,000	50,270	3,290	18627,240	-18623,950
339+0,00	0,000	2,270	0,000	48,020	3,290	18675,260	-18671,970
340+0,00	0,000	2,570	0,000	48,360	3,290	18723,610	-18720,320
341+0,00	0,000	3,280	0,000	58,490	3,290	18782,100	-18778,810
342+0,00	0,000	4,330	0,000	76,140	3,290	18858,240	-18854,950
343+0,00	0,000	3,760	0,000	80,950	3,290	18939,190	-18935,900
344+0,00	0,000	2,850	0,000	66,120	3,290	19005,310	-19002,020
345+0,00	0,000	2,950	0,000	58,000	3,290	19063,310	-19060,020
346+0,00	0,000	2,220	0,000	51,670	3,290	19114,980	-19111,690
347+0,00	0,000	2,640	0,000	48,540	3,290	19163,520	-19160,230
348+0,00	0,000	2,860	0,000	54,970	3,290	19218,490	-19215,200
349+0,00	0,000	3,160	0,000	60,150	3,290	19278,640	-19275,350
350+0,00	0,000	3,070	0,000	62,230	3,290	19340,870	-19337,580
351+0,00	0,000	2,740	0,000	58,090	3,290	19398,960	-19395,670
352+0,00	0,000	3,020	0,000	57,660	3,290	19456,620	-19453,330
353+0,00	0,000	4,240	0,000	72,640	3,290	19529,250	-19525,960
354+0,00	0,000	3,770	0,000	80,100	3,290	19609,350	-19606,060
355+0,00	0,000	3,900	0,000	76,700	3,290	19686,060	-19682,770
356+0,00	0,000	3,230	0,000	71,300	3,290	19757,350	-19754,060
357+0,00	0,000	3,250	0,000	64,820	3,290	19822,170	-19818,880
358+0,00	0,000	3,110	0,000	63,650	3,290	19885,820	-19882,530
359+0,00	0,000	2,960	0,000	60,760	3,290	19946,580	-19943,290
360+0,00	0,000	2,890	0,000	58,550	3,290	20005,130	-20001,840
361+0,00	0,000	2,530	0,000	54,250	3,290	20059,390	-20056,100
362+0,00	0,000	3,080	0,000	56,100	3,290	20115,480	-20112,190
363+0,00	0,000	3,930	0,000	70,110	3,290	20185,590	-20182,300
364+0,00	0,000	4,130	0,000	80,690	3,290	20266,280	-20262,990
365+0,00	0,000	3,330	0,000	74,650	3,290	20340,930	-20337,640
366+0,00	0,000	2,880	0,000	62,130	3,290	20403,060	-20399,770
367+0,00	0,000	2,900	0,000	57,850	3,290	20460,910	-20457,620
368+0,00	0,000	2,830	0,000	57,300	3,290	20518,210	-20514,920
369+0,00	0,000	3,010	0,000	58,410	3,290	20576,630	-20573,340
370+0,00	0,000	3,060	0,000	60,680	3,290	20637,310	-20634,020
371+0,00	0,000	2,950	0,000	60,030	3,290	20697,340	-20694,050
372+0,00	0,000	2,590	0,000	55,430	3,290	20752,760	-20749,470
373+0,00	0,000	2,470	0,000	50,620	3,290	20803,380	-20800,090
374+0,00	0,000	3,710	0,000	61,810	3,290	20865,190	-20861,900

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas, Projetos e Obras - DUPRO
Secretaria [illegible] (Sedet)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
375+0,00	0,000	3,790	0,000	75,060	3,290	20940,260	-20936,970
376+0,00	0,000	3,930	0,000	77,230	3,290	21017,480	-21014,190
377+0,00	0,000	3,520	0,000	74,470	3,290	21091,950	-21088,660
378+0,00	0,000	3,060	0,000	65,740	3,290	21157,690	-21154,400
379+0,00	0,000	2,660	0,000	57,130	3,290	21214,820	-21211,530
380+0,00	0,000	2,510	0,000	51,620	3,290	21266,430	-21263,140
381+0,00	0,000	2,100	0,000	46,020	3,290	21312,450	-21309,160
382+0,00	0,000	2,030	0,000	41,260	3,290	21353,710	-21350,420
383+0,00	0,000	1,860	0,000	38,950	3,290	21392,660	-21389,370
384+0,00	0,000	2,340	0,000	42,060	3,290	21434,720	-21431,430
385+0,00	0,000	2,460	0,000	47,960	3,290	21482,680	-21479,390
386+0,00	0,000	2,970	0,000	54,260	3,290	21536,940	-21533,650
387+0,00	0,000	4,930	0,000	79,050	3,290	21615,980	-21612,690
388+0,00	0,000	4,000	0,000	89,350	3,290	21705,330	-21702,040
389+0,00	0,000	3,040	0,000	70,410	3,290	21775,740	-21772,450
390+0,00	0,000	2,410	0,000	54,520	3,290	21830,260	-21826,970
391+0,00	0,000	1,690	0,000	40,990	3,290	21871,250	-21867,960
392+0,00	0,000	0,700	0,000	23,920	3,290	21895,160	-21891,870
393+0,00	0,000	1,250	0,000	19,490	3,290	21914,660	-21911,370
394+0,00	0,000	1,960	0,000	32,070	3,290	21946,720	-21943,430
395+0,00	0,000	2,740	0,000	47,000	3,290	21993,720	-21990,430
396+0,00	0,000	1,930	0,000	46,670	3,290	22040,390	-22037,100
397+0,00	0,000	1,500	0,000	34,240	3,290	22074,630	-22071,340
398+0,00	0,000	1,960	0,000	34,510	3,290	22109,140	-22105,850
399+0,00	0,000	2,510	0,000	44,690	3,290	22153,830	-22150,540
400+0,00	0,000	2,560	0,000	50,770	3,290	22204,600	-22201,310
401+0,00	0,000	2,380	0,000	49,400	3,290	22254,000	-22250,710
402+0,00	0,000	2,210	0,000	45,830	3,290	22299,830	-22296,540
403+0,00	0,000	2,490	0,000	46,980	3,290	22346,810	-22343,520
404+0,00	0,000	2,720	0,000	52,080	3,290	22398,880	-22395,590
405+0,00	0,000	2,820	0,000	55,350	3,290	22454,230	-22450,940
406+0,00	0,000	2,670	0,000	54,870	3,290	22509,100	-22505,810
407+0,00	0,000	2,130	0,000	47,970	3,290	22557,060	-22553,770
408+0,00	0,000	1,550	0,000	36,810	3,290	22593,880	-22590,590
409+0,00	0,000	1,380	0,000	29,370	3,290	22623,250	-22619,960
410+0,00	0,000	1,840	0,000	32,240	3,290	22655,480	-22652,190
411+0,00	0,000	2,160	0,000	40,000	3,290	22695,480	-22692,190
412+0,00	0,000	2,620	0,000	47,820	3,290	22743,300	-22740,010
413+0,00	0,000	2,640	0,000	52,670	3,290	22795,970	-22792,680
414+0,00	0,000	2,740	0,000	53,850	3,290	22849,820	-22846,530
415+0,00	0,000	2,720	0,000	54,640	3,290	22904,460	-22901,170
416+0,00	0,000	2,640	0,000	53,650	3,290	22958,110	-22954,820
417+0,00	0,000	2,790	0,000	54,320	3,290	23012,430	-23009,140
418+0,00	0,000	1,860	0,000	46,530	3,290	23058,960	-23055,670
419+0,00	0,000	1,500	0,000	33,620	3,290	23092,580	-23089,290
420+0,00	0,000	2,150	0,000	36,540	3,290	23129,110	-23125,820
421+0,00	0,000	2,680	0,000	48,350	3,290	23177,470	-23174,180
422+0,00	0,000	2,970	0,000	56,560	3,290	23234,020	-23230,730
423+0,00	0,000	2,770	0,000	57,430	3,290	23291,460	-23288,170
424+0,00	0,000	2,080	0,000	48,490	3,290	23339,950	-23336,660
425+0,00	0,000	1,970	0,000	40,490	3,290	23380,440	-23377,150
426+0,00	0,000	1,480	0,000	34,440	3,290	23414,880	-23411,590
427+0,00	0,000	0,880	0,000	23,540	3,290	23438,420	-23435,130
428+0,00	0,070	0,270	0,660	11,460	3,960	23449,880	-23445,920
429+0,00	0,120	0,050	1,880	3,190	5,840	23453,070	-23447,230
430+0,00	0,000	0,890	1,210	9,440	7,050	23462,500	-23455,450
431+0,00	0,000	2,230	0,000	31,270	7,050	23493,770	-23486,720
432+0,00	0,000	3,190	0,000	54,230	7,050	23548,000	-23540,950
433+0,00	0,000	3,170	0,000	63,580	7,050	23611,580	-23604,530
434+0,00	0,000	3,660	0,000	68,330	7,050	23679,910	-23672,860
435+0,00	0,000	3,470	0,000	71,300	7,050	23751,210	-23744,160
436+0,00	0,000	3,170	0,000	66,360	7,050	23817,570	-23810,520
437+0,00	0,000	3,130	0,000	62,950	7,050	23880,530	-23873,480
438+0,00	0,000	2,920	0,000	60,510	7,050	23941,030	-23933,980

Osvaldo Leoncio da Silva
Diretoria de Projetos
Projetos e Obras - DER/PR
Secretaria de Estado

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
439+0,00	0,000	2,820	0,000	57,440	7,050	23998,470	-23991,420
440+0,00	0,000	3,040	0,000	58,570	7,050	24057,040	-24049,990
441+0,00	0,000	2,930	0,000	59,670	7,050	24116,710	-24109,660
442+0,00	0,000	2,940	0,000	58,670	7,050	24175,380	-24168,330
443+0,00	0,000	3,230	0,000	61,700	7,050	24237,080	-24230,030
444+0,00	0,000	3,580	0,000	68,170	7,050	24305,250	-24298,200
445+0,00	0,000	4,650	0,000	82,320	7,050	24387,570	-24380,520
446+0,00	0,000	4,290	0,000	89,430	7,050	24477,000	-24469,950
447+0,00	0,000	4,570	0,000	88,630	7,050	24565,630	-24558,580
448+0,00	0,000	2,920	0,000	74,830	7,050	24640,460	-24633,410
449+0,00	0,000	2,920	0,000	58,400	7,050	24698,850	-24691,800
450+0,00	0,000	2,990	0,000	59,160	7,050	24758,020	-24750,970
451+0,00	0,000	2,990	0,000	59,810	7,050	24817,820	-24810,770
452+0,00	0,000	2,870	0,000	58,560	7,050	24876,390	-24869,340
453+0,00	0,000	2,250	0,000	51,180	7,050	24927,570	-24920,520
454+0,00	0,000	2,170	0,000	44,170	7,050	24971,730	-24964,680
455+0,00	0,000	2,510	0,000	46,790	7,050	25018,530	-25011,480
456+0,00	0,000	2,790	0,000	53,000	7,050	25071,530	-25064,480
457+0,00	0,000	3,240	0,000	60,240	7,050	25131,770	-25124,720
458+0,00	0,000	3,090	0,000	63,300	7,050	25195,070	-25188,020
459+0,00	0,000	2,500	0,000	55,930	7,050	25251,000	-25243,950
460+0,00	0,000	1,670	0,000	41,740	7,050	25292,740	-25285,690
461+0,00	0,000	2,040	0,000	37,090	7,050	25329,830	-25322,780
462+0,00	0,000	2,070	0,000	41,050	7,050	25370,880	-25363,830
463+0,00	0,000	2,090	0,000	41,610	7,050	25412,490	-25405,440
464+0,00	0,000	2,390	0,000	44,810	7,050	25457,290	-25450,240
465+0,00	0,000	2,510	0,000	49,000	7,050	25506,290	-25499,240
466+0,00	0,000	2,950	0,000	54,580	7,050	25560,870	-25553,820
467+0,00	0,000	2,310	0,000	52,600	7,050	25613,480	-25606,430
468+0,00	0,000	2,470	0,000	47,830	7,050	25661,310	-25654,260
469+0,00	0,000	2,590	0,000	50,620	7,050	25711,930	-25704,880
470+0,00	0,000	3,800	0,000	63,920	7,050	25775,850	-25768,800
471+0,00	0,000	3,100	0,000	68,950	7,050	25844,810	-25837,760
472+0,00	0,000	2,750	0,000	58,490	7,050	25903,290	-25896,240
473+0,00	0,000	2,240	0,000	49,860	7,050	25953,160	-25946,110
474+0,00	0,000	2,460	0,000	46,970	7,050	26000,120	-25993,070
475+0,00	0,000	2,980	0,000	54,240	7,050	26054,370	-26047,320
476+0,00	0,000	3,140	0,000	61,240	7,050	26115,600	-26108,550
477+0,00	0,000	2,900	0,000	60,430	7,050	26176,030	-26168,980
478+0,00	0,000	3,140	0,000	60,440	7,050	26236,480	-26229,430
479+0,00	0,000	3,370	0,000	65,070	7,050	26301,540	-26294,490
480+0,00	0,000	2,840	0,000	62,050	7,050	26363,590	-26356,540
481+0,00	0,000	2,250	0,000	50,940	7,050	26414,530	-26407,480
482+0,00	0,000	2,090	0,000	43,410	7,050	26457,940	-26450,890
483+0,00	0,000	2,950	0,000	50,410	7,050	26508,360	-26501,310
484+0,00	0,000	3,250	0,000	62,020	7,050	26570,370	-26563,320
485+0,00	0,000	3,030	0,000	62,770	7,050	26633,140	-26626,090
486+0,00	0,000	2,850	0,000	58,760	7,050	26691,910	-26684,860
487+0,00	0,000	2,840	0,000	56,840	7,050	26748,740	-26741,690
488+0,00	0,000	2,660	0,000	54,930	7,050	26803,680	-26796,630
489+0,00	0,000	2,550	0,000	52,100	7,050	26855,770	-26848,720
490+0,00	0,000	2,650	0,000	52,050	7,050	26907,820	-26900,770
491+0,00	0,000	3,600	0,000	62,530	7,050	26970,350	-26963,300
492+0,00	0,000	3,810	0,000	74,140	7,050	27044,490	-27037,440
493+0,00	0,000	3,970	0,000	77,780	7,050	27122,270	-27115,220
494+0,00	0,000	3,370	0,000	73,340	7,050	27195,610	-27188,560
495+0,00	0,000	3,110	0,000	64,580	7,050	27260,190	-27253,140
496+0,00	0,000	3,130	0,000	62,420	7,050	27322,610	-27315,560
497+0,00	0,000	3,360	0,000	64,970	7,050	27387,580	-27380,530
498+0,00	0,000	3,020	0,000	63,860	7,050	27451,450	-27444,400
499+0,00	0,000	2,420	0,000	54,410	7,050	27505,850	-27498,800
500+0,00	0,000	2,470	0,000	48,890	7,050	27554,740	-27547,690
501+0,00	0,000	3,000	0,000	54,620	7,050	27609,350	-27602,300
502+0,00	0,000	3,000	0,000	60,050	7,050	27669,400	-27662,350

Osvaldo Leoncio da Silva
Diretor da Unidade de Projetos
Projetos e Obras - DUPRO
Secretaria [illegible]

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
503+0,00	0,000	2,840	0,000	58,380	7,050	27727,780	-27720,730
504+0,00	0,000	2,980	0,000	58,140	7,050	27785,920	-27778,870
505+0,00	0,000	3,780	0,000	67,610	7,050	27853,530	-27846,480
506+0,00	0,000	4,140	0,000	79,210	7,050	27932,740	-27925,690
507+0,00	0,000	3,700	0,000	78,410	7,050	28011,150	-28004,100
508+0,00	0,000	3,150	0,000	68,510	7,050	28079,670	-28072,620
509+0,00	0,000	2,930	0,000	60,780	7,050	28140,450	-28133,400
510+0,00	0,000	2,230	0,000	51,600	7,050	28192,050	-28185,000
511+0,00	0,000	2,440	0,000	46,700	7,050	28238,740	-28231,690
512+0,00	0,000	2,540	0,000	49,740	7,050	28288,480	-28281,430
513+0,00	0,000	3,230	0,000	57,610	7,050	28346,090	-28339,040
514+0,00	0,000	2,370	0,000	55,930	7,050	28402,020	-28394,970
515+0,00	0,000	2,840	0,000	52,100	7,050	28454,120	-28447,070
516+0,00	0,000	2,840	0,000	56,820	7,050	28510,940	-28503,890
517+0,00	0,000	2,980	0,000	58,140	7,050	28569,080	-28562,030
518+0,00	0,000	3,090	0,000	60,680	7,050	28629,760	-28622,710
519+0,00	0,000	3,150	0,000	62,410	7,050	28692,180	-28685,130
520+0,00	0,000	3,060	0,000	62,080	7,050	28754,260	-28747,210
521+0,00	0,000	3,320	0,000	63,780	7,050	28818,040	-28810,990
522+0,00	0,000	3,170	0,000	64,930	7,050	28882,960	-28875,910
523+0,00	0,000	2,820	0,000	59,970	7,050	28942,930	-28935,880
524+0,00	0,000	1,870	0,000	46,950	7,050	28989,880	-28982,830
525+0,00	0,000	1,500	0,000	33,680	7,050	29023,560	-29016,510
526+0,00	0,000	3,080	0,000	45,770	7,050	29069,330	-29062,280
527+0,00	0,000	3,200	0,000	62,800	7,050	29132,130	-29125,080
528+0,00	0,000	3,390	0,000	65,930	7,050	29198,060	-29191,010
529+0,00	0,000	3,040	0,000	64,300	7,050	29262,360	-29255,310
530+0,00	0,000	2,770	0,000	58,110	7,050	29320,470	-29313,420
531+0,00	0,000	2,540	0,000	53,100	7,050	29373,580	-29366,530
532+0,00	0,000	2,800	0,000	53,320	7,050	29426,900	-29419,850
533+0,00	0,000	2,820	0,000	56,150	7,050	29483,050	-29476,000
534+0,00	0,000	2,650	0,000	54,740	7,050	29537,780	-29530,730
535+0,00	0,000	2,960	0,000	56,150	7,050	29593,940	-29586,890
536+0,00	0,000	2,830	0,000	57,920	7,050	29651,850	-29644,800
537+0,00	0,000	2,680	0,000	55,110	7,050	29706,960	-29699,910
538+0,00	0,000	3,180	0,000	58,560	7,050	29765,510	-29758,460
539+0,00	0,000	4,010	0,000	71,890	7,050	29837,400	-29830,350
540+0,00	0,000	3,860	0,000	78,750	7,050	29916,150	-29909,100
541+0,00	0,000	3,470	0,000	73,330	7,050	29989,490	-29982,440
542+0,00	0,000	2,530	0,000	59,960	7,050	30049,440	-30042,390
543+0,00	0,000	2,660	0,000	51,820	7,050	30101,270	-30094,220
544+0,00	0,000	2,820	0,000	54,790	7,050	30156,050	-30149,000
545+0,00	0,000	2,760	0,000	55,850	7,050	30211,910	-30204,860
546+0,00	0,000	2,560	0,000	53,230	7,050	30265,140	-30258,090
547+0,00	0,000	3,070	0,000	56,350	7,050	30321,490	-30314,440
548+0,00	0,000	2,530	0,000	56,010	7,050	30377,500	-30370,450
549+0,00	0,000	2,610	0,000	51,360	7,050	30428,860	-30421,810
550+0,00	0,000	2,300	0,000	49,060	7,050	30477,920	-30470,870
551+0,00	0,000	1,910	0,000	42,070	7,050	30519,990	-30512,940
552+0,00	0,000	2,040	0,000	39,490	7,050	30559,470	-30552,420
553+0,00	0,000	2,840	0,000	48,770	7,050	30608,240	-30601,190
554+0,00	0,000	3,040	0,000	58,810	7,050	30667,050	-30660,000
555+0,00	0,000	2,520	0,000	55,580	7,050	30722,640	-30715,590
556+0,00	0,000	2,550	0,000	50,650	7,050	30773,280	-30766,230
557+0,00	0,000	2,500	0,000	50,500	7,050	30823,780	-30816,730
558+0,00	0,000	3,240	0,000	57,460	7,050	30881,240	-30874,190
559+0,00	0,000	2,840	0,000	60,790	7,050	30942,040	-30934,990
560+0,00	0,000	2,130	0,000	49,660	7,050	30991,700	-30984,650
561+0,00	0,000	2,230	0,000	43,620	7,050	31035,310	-31028,260
562+0,00	0,000	2,460	0,000	46,940	7,050	31082,250	-31075,200
563+0,00	0,000	2,660	0,000	51,150	7,050	31133,400	-31126,350
564+0,00	0,000	3,140	0,000	57,960	7,050	31191,350	-31184,300
565+0,00	0,000	2,980	0,000	61,170	7,050	31252,520	-31245,470
566+0,00	0,000	2,300	0,000	52,820	7,050	31305,340	-31298,290

Osvaldo Lourenço da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades (Secid)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
567+0,00	0,000	3,250	0,000	55,520	7,050	31360,870	-31353,820
568+0,00	0,000	3,770	0,000	70,150	7,050	31431,010	-31423,960
569+0,00	0,000	3,350	0,000	71,020	7,050	31502,040	-31494,990
570+0,00	0,000	3,060	0,000	64,120	7,050	31566,150	-31559,100
571+0,00	0,000	2,520	0,000	55,760	7,050	31621,910	-31614,860
572+0,00	0,000	2,370	0,000	48,860	7,050	31670,780	-31663,730
573+0,00	0,000	2,170	0,000	45,400	7,050	31716,180	-31709,130
574+0,00	0,000	2,280	0,000	44,570	7,050	31760,760	-31753,710
575+0,00	0,000	3,430	0,000	57,120	7,050	31817,870	-31810,820
576+0,00	0,000	4,090	0,000	75,160	7,050	31893,030	-31885,980
577+0,00	0,000	4,520	0,000	86,120	7,050	31979,160	-31972,110
578+0,00	0,000	4,350	0,000	88,710	7,050	32067,870	-32060,820
579+0,00	0,000	3,940	0,000	82,840	7,050	32150,710	-32143,660
580+0,00	0,000	2,950	0,000	68,870	7,050	32219,580	-32212,530
581+0,00	0,000	2,360	0,000	53,080	7,050	32272,660	-32265,610
582+0,00	0,000	1,900	0,000	42,620	7,050	32315,270	-32308,220
583+0,00	0,000	1,930	0,000	38,330	7,050	32353,600	-32346,550
584+0,00	0,000	2,290	0,000	42,140	7,050	32395,740	-32388,690
585+0,00	0,000	2,870	0,000	51,540	7,050	32447,280	-32440,230
586+0,00	0,000	2,820	0,000	56,890	7,050	32504,170	-32497,120
587+0,00	0,000	2,540	0,000	53,560	7,050	32557,730	-32550,680
588+0,00	0,000	2,050	0,000	45,880	7,050	32603,610	-32596,560
589+0,00	0,000	3,150	0,000	52,010	7,050	32655,620	-32648,570
590+0,00	0,000	3,080	0,000	62,310	7,050	32717,930	-32710,880
591+0,00	0,000	2,840	0,000	59,200	7,050	32777,120	-32770,070
592+0,00	0,000	2,440	0,000	52,790	7,050	32829,920	-32822,870
593+0,00	0,000	2,720	0,000	51,570	7,050	32881,480	-32874,430
594+0,00	0,000	2,720	0,000	54,320	7,050	32935,810	-32928,760
595+0,00	0,000	2,780	0,000	54,940	7,050	32990,750	-32983,700
596+0,00	0,000	2,860	0,000	56,360	7,050	33047,100	-33040,050
597+0,00	0,000	2,830	0,000	56,900	7,050	33104,000	-33096,950
598+0,00	0,000	2,430	0,000	52,600	7,050	33156,600	-33149,550
599+0,00	0,000	2,610	0,000	50,390	7,050	33206,990	-33199,940
600+0,00	0,000	2,760	0,000	53,670	7,050	33260,660	-33253,610
601+0,00	0,000	3,100	0,000	58,610	7,050	33319,270	-33312,220
602+0,00	0,000	3,380	0,000	64,830	7,050	33384,100	-33377,050
603+0,00	0,000	3,250	0,000	66,270	7,050	33450,370	-33443,320
604+0,00	0,000	2,920	0,000	61,660	7,050	33512,040	-33504,990
605+0,00	0,000	2,250	0,000	51,640	7,050	33563,680	-33556,630
606+0,00	0,000	1,830	0,000	41,110	7,050	33604,790	-33597,740
607+0,00	0,000	2,630	0,000	44,560	7,050	33649,340	-33642,290
608+0,00	0,000	2,880	0,000	55,100	7,050	33704,450	-33697,400
609+0,00	0,000	2,410	0,000	52,960	7,050	33757,410	-33750,360
610+0,00	0,000	2,840	0,000	52,570	7,050	33809,970	-33802,920
611+0,00	0,000	2,750	0,000	56,550	7,050	33866,520	-33859,470
612+0,00	0,000	2,790	0,000	55,350	7,050	33921,880	-33914,830
613+0,00	0,000	2,720	0,000	55,060	7,050	33976,940	-33969,890
614+0,00	0,000	2,980	0,000	56,960	7,050	34033,900	-34026,850
615+0,00	0,000	2,460	0,000	54,360	7,050	34088,260	-34081,210
616+0,00	0,000	2,770	0,000	52,250	7,050	34140,510	-34133,460
617+0,00	0,000	2,240	0,000	50,100	7,050	34190,600	-34183,550
618+0,00	0,000	1,960	0,000	42,030	7,050	34232,640	-34225,590
619+0,00	0,000	2,810	0,000	47,680	7,050	34280,320	-34273,270
620+0,00	0,000	2,860	0,000	56,690	7,050	34337,010	-34329,960
621+0,00	0,000	2,660	0,000	55,220	7,050	34392,230	-34385,180
622+0,00	0,000	3,390	0,000	60,550	7,050	34452,780	-34445,730
623+0,00	0,000	2,730	0,000	61,210	7,050	34513,990	-34506,940
624+0,00	0,000	2,500	0,000	52,300	7,050	34566,300	-34559,250
625+0,00	0,000	3,170	0,000	56,710	7,050	34623,010	-34615,960
626+0,00	0,000	3,600	0,000	67,640	7,050	34690,650	-34683,600
627+0,00	0,000	3,510	0,000	71,050	7,050	34761,700	-34754,650
628+0,00	0,000	2,490	0,000	59,970	7,050	34821,670	-34814,620
629+0,00	0,000	2,460	0,000	49,480	7,050	34871,150	-34864,100
630+0,00	0,000	2,230	0,000	46,880	7,050	34918,040	-34910,990

Osvaldo Leôncio da Silva Filho
Diretoria de Projetos Rodoviários
Projetos e Obras - DNIT/PE
Seção de Projetos Rodoviários

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
631+0,00	0,000	2,000	0,000	42,250	7,050	34960,280	-34953,230
632+0,00	0,000	1,920	0,000	39,200	7,050	34999,480	-34992,430
633+0,00	0,000	3,160	0,000	50,840	7,050	35050,320	-35043,270
634+0,00	0,000	2,720	0,000	58,850	7,050	35109,160	-35102,110
635+0,00	0,000	3,070	0,000	57,930	7,050	35167,090	-35160,040
636+0,00	0,000	2,590	0,000	56,600	7,050	35223,690	-35216,640
637+0,00	0,000	1,880	0,000	44,710	7,050	35268,400	-35261,350
638+0,00	0,000	0,990	0,050	28,740	7,100	35297,140	-35290,040
639+0,00	0,030	1,050	0,310	20,480	7,410	35317,630	-35310,220
640+0,00	0,080	1,210	1,060	22,610	8,470	35340,230	-35331,760
641+0,00	0,080	1,690	1,570	28,990	10,040	35369,220	-35359,180
642+0,00	0,000	2,850	0,780	45,380	10,820	35414,600	-35403,780
643+0,00	0,000	3,230	0,000	60,800	10,820	35475,400	-35464,580
644+0,00	0,000	3,330	0,000	65,620	10,820	35541,020	-35530,200
645+0,00	0,000	4,220	0,000	75,460	10,820	35616,480	-35605,660
646+0,00	0,000	3,930	0,000	81,440	10,820	35697,920	-35687,100
647+0,00	0,000	2,970	0,000	69,010	10,820	35766,930	-35756,110
648+0,00	0,000	2,470	0,000	54,440	10,820	35821,370	-35810,550
649+0,00	0,000	2,960	0,000	54,300	10,820	35875,660	-35864,840
650+0,00	0,000	2,200	0,000	51,600	10,820	35927,260	-35916,440
651+0,00	0,000	2,980	0,000	51,760	10,820	35979,020	-35968,200
652+0,00	0,000	3,060	0,000	60,850	10,820	36039,870	-36029,050
653+0,00	0,000	2,780	0,000	58,400	10,820	36098,270	-36087,450
654+0,00	0,000	2,640	0,000	54,180	10,820	36152,450	-36141,630
655+0,00	0,000	2,640	0,000	52,780	10,820	36205,230	-36194,410
656+0,00	0,000	2,790	0,000	54,260	10,820	36259,490	-36248,670
657+0,00	0,000	2,650	0,000	54,370	10,820	36313,860	-36303,040
658+0,00	0,000	2,040	0,000	46,930	10,820	36360,790	-36349,970
659+0,00	0,000	1,730	0,000	37,740	10,820	36398,530	-36387,710
660+0,00	0,000	2,200	0,000	39,340	10,820	36437,870	-36427,050
661+0,00	0,000	2,840	0,000	50,480	10,820	36488,350	-36477,530
662+0,00	0,000	3,440	0,000	62,840	10,820	36551,200	-36540,380
663+0,00	0,000	3,370	0,000	68,080	10,820	36619,270	-36608,450
664+0,00	0,000	3,290	0,000	66,570	10,820	36685,840	-36675,020
665+0,00	0,000	3,010	0,000	63,040	10,820	36748,880	-36738,060
666+0,00	0,000	2,820	0,000	58,360	10,820	36807,240	-36796,420
667+0,00	0,000	2,810	0,000	56,280	10,820	36863,520	-36852,700
668+0,00	0,000	2,570	0,000	53,810	10,820	36917,330	-36906,510
669+0,00	0,000	1,500	0,000	40,730	10,820	36958,060	-36947,240
670+0,00	0,000	2,240	0,000	37,410	10,820	36995,470	-36984,650
671+0,00	0,000	2,750	0,000	49,880	10,820	37045,350	-37034,530
672+0,00	0,000	2,740	0,000	54,860	10,820	37100,210	-37089,390
673+0,00	0,000	2,710	0,000	54,490	10,820	37154,700	-37143,880
674+0,00	0,000	3,120	0,000	58,300	10,820	37213,010	-37202,190
675+0,00	0,000	3,440	0,000	65,580	10,820	37278,590	-37267,770
676+0,00	0,000	3,380	0,000	68,170	10,820	37346,760	-37335,940
677+0,00	0,000	2,970	0,000	63,550	10,820	37410,300	-37399,480
678+0,00	0,000	2,160	0,000	51,590	10,820	37461,900	-37451,080
679+0,00	0,000	2,420	0,000	45,800	10,820	37507,700	-37496,880
680+0,00	0,000	2,130	0,000	45,480	10,820	37553,180	-37542,360
681+0,00	0,000	1,890	0,000	40,240	10,820	37593,420	-37582,600
682+0,00	0,000	1,840	0,000	37,330	10,820	37630,740	-37619,920
683+0,00	0,000	2,400	0,000	42,430	10,820	37673,170	-37662,350
684+0,00	0,000	2,780	0,000	51,860	10,820	37725,030	-37714,210
685+0,00	0,000	3,310	0,000	60,950	10,820	37785,990	-37775,170
686+0,00	0,000	3,600	0,000	69,100	10,820	37855,090	-37844,270
687+0,00	0,000	2,790	0,000	63,900	10,820	37918,990	-37908,170
688+0,00	0,000	1,740	0,000	45,260	10,820	37964,240	-37953,420
689+0,00	0,000	1,500	0,000	32,380	10,820	37996,630	-37985,810
690+0,00	0,000	2,010	0,000	35,170	10,820	38031,790	-38020,970
691+0,00	0,000	2,810	0,000	48,220	10,820	38080,020	-38069,200
692+0,00	0,000	2,600	0,000	54,080	10,820	38134,100	-38123,280
693+0,00	0,000	2,690	0,000	52,890	10,820	38186,990	-38176,170
694+0,00	0,000	2,450	0,000	51,350	10,820	38238,330	-38227,510

Osvaldo Leoncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades (Secid)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
695+0,00	0,000	2,570	0,000	50,210	10,820	38288,540	-38277,720
696+0,00	0,000	2,580	0,000	51,520	10,820	38340,060	-38329,240
697+0,00	0,000	2,930	0,000	55,070	10,820	38395,130	-38384,310
698+0,00	0,000	3,780	0,000	67,050	10,820	38462,190	-38451,370
699+0,00	0,000	3,530	0,000	73,100	10,820	38535,280	-38524,460
700+0,00	0,000	3,030	0,000	65,620	10,820	38600,900	-38590,080
701+0,00	0,000	3,260	0,000	62,850	10,820	38663,750	-38652,930
702+0,00	0,000	3,070	0,000	63,260	10,820	38727,010	-38716,190
703+0,00	0,000	2,290	0,000	53,620	10,820	38780,630	-38769,810
704+0,00	0,000	2,870	0,000	51,670	10,820	38832,300	-38821,480
705+0,00	0,000	2,970	0,000	58,440	10,820	38890,740	-38879,920
706+0,00	0,000	1,700	0,000	46,690	10,820	38937,430	-38926,610
707+0,00	0,000	1,880	0,000	35,770	10,820	38973,200	-38962,380
708+0,00	0,000	2,870	0,000	47,500	10,820	39020,690	-39009,870
709+0,00	0,000	2,790	0,000	56,610	10,820	39077,300	-39066,480
710+0,00	0,000	2,790	0,000	55,810	10,820	39133,120	-39122,300
711+0,00	0,000	3,350	0,000	61,460	10,820	39194,570	-39183,750
712+0,00	0,000	3,120	0,000	64,760	10,820	39259,340	-39248,520
713+0,00	0,000	2,550	0,000	56,700	10,820	39316,040	-39305,220
714+0,00	0,000	1,910	0,000	44,530	10,820	39360,570	-39349,750
715+0,00	0,000	2,300	0,000	42,010	10,820	39402,580	-39391,760
716+0,00	0,000	2,370	0,000	46,650	10,820	39449,230	-39438,410
717+0,00	0,000	3,830	0,000	61,940	10,820	39511,170	-39500,350
718+0,00	0,000	4,430	0,000	82,550	10,820	39593,720	-39582,900
719+0,00	0,000	4,030	0,000	84,620	10,820	39678,340	-39667,520
720+0,00	0,000	3,240	0,000	72,750	10,820	39751,080	-39740,260
721+0,00	0,000	1,830	0,000	50,740	10,820	39801,830	-39791,010
722+0,00	0,000	2,280	0,000	41,080	10,820	39842,900	-39832,080
723+0,00	0,000	2,590	0,000	48,620	10,820	39891,520	-39880,700
724+0,00	0,000	3,000	0,000	55,810	10,820	39947,330	-39936,510
725+0,00	0,000	3,140	0,000	61,310	10,820	40008,640	-39997,820
726+0,00	0,000	3,250	0,000	63,840	10,820	40072,480	-40061,660
727+0,00	0,000	2,710	0,000	59,560	10,820	40132,040	-40121,220
728+0,00	0,000	2,840	0,000	55,500	10,820	40187,540	-40176,720
729+0,00	0,000	1,980	0,000	48,280	10,820	40235,820	-40225,000
730+0,00	0,000	2,120	0,000	41,060	10,820	40276,880	-40266,060
731+0,00	0,000	2,160	0,000	42,850	10,820	40319,740	-40308,920
732+0,00	0,000	2,570	0,000	47,350	10,820	40367,080	-40356,260
733+0,00	0,000	2,950	0,000	55,180	10,820	40422,260	-40411,440
734+0,00	0,000	2,400	0,000	53,420	10,820	40475,680	-40464,860
735+0,00	0,000	1,940	0,000	43,360	10,820	40519,040	-40508,220
736+0,00	0,000	2,760	0,000	47,000	10,820	40566,040	-40555,220
737+0,00	0,000	2,890	0,000	56,460	10,820	40622,500	-40611,680
738+0,00	0,000	3,020	0,000	59,050	10,820	40681,560	-40670,740
739+0,00	0,000	3,300	0,000	63,180	10,820	40744,740	-40733,920
740+0,00	0,000	2,540	0,000	58,380	10,820	40803,120	-40792,300
741+0,00	0,000	2,320	0,000	48,590	10,820	40851,710	-40840,890
742+0,00	0,000	2,060	0,000	43,840	10,820	40895,560	-40884,740
743+0,00	0,000	1,660	0,000	37,250	10,820	40932,800	-40921,980
744+0,00	0,000	1,450	0,000	31,080	10,820	40963,880	-40953,060
745+0,00	0,000	1,660	0,000	31,060	10,820	40994,940	-40984,120
746+0,00	0,000	2,400	0,000	40,560	10,820	41035,500	-41024,680
747+0,00	0,000	2,820	0,000	52,210	10,820	41087,710	-41076,890
748+0,00	0,000	2,810	0,000	56,300	10,820	41144,010	-41133,190
749+0,00	0,000	2,660	0,000	54,660	10,820	41198,670	-41187,850
750+0,00	0,000	2,400	0,000	50,640	10,820	41249,310	-41238,490
751+0,00	0,000	2,970	0,000	53,900	10,820	41303,210	-41292,390
752+0,00	0,000	2,830	0,000	57,980	10,820	41361,190	-41350,370
753+0,00	0,000	2,120	0,000	49,480	10,820	41410,670	-41399,850
754+0,00	0,000	1,950	0,000	40,610	10,820	41451,290	-41440,470
755+0,00	0,000	2,370	0,000	43,500	10,820	41494,790	-41483,970
756+0,00	0,000	2,990	0,000	53,630	10,820	41548,420	-41537,600
757+0,00	0,000	2,930	0,000	59,190	10,820	41607,610	-41596,790
758+0,00	0,000	2,030	0,000	49,580	10,820	41657,190	-41646,370

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades (Secid)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
759+0,00	0,000	2,060	0,000	40,880	10,820	41698,070	-41687,250
760+0,00	0,000	2,520	0,000	45,740	10,820	41743,820	-41733,000
761+0,00	0,000	2,950	0,000	54,710	10,820	41798,520	-41787,700
762+0,00	0,000	2,860	0,000	58,160	10,820	41856,680	-41845,860
763+0,00	0,000	2,960	0,000	58,180	10,820	41914,860	-41904,040
764+0,00	0,000	2,980	0,000	59,400	10,820	41974,250	-41963,430
765+0,00	0,000	3,740	0,000	67,280	10,820	42041,530	-42030,710
766+0,00	0,000	2,630	0,000	63,700	10,820	42105,230	-42094,410
767+0,00	0,000	3,270	0,000	59,000	10,820	42164,230	-42153,410
768+0,00	0,000	3,310	0,000	65,890	10,820	42230,120	-42219,300
769+0,00	0,000	3,540	0,000	68,530	10,820	42298,650	-42287,830
770+0,00	0,000	4,030	0,000	75,660	10,820	42374,300	-42363,480
771+0,00	0,000	3,990	0,000	80,150	10,820	42454,450	-42443,630
772+0,00	0,000	3,620	0,000	76,110	10,820	42530,560	-42519,740
773+0,00	0,000	3,220	0,000	68,400	10,820	42598,960	-42588,140
774+0,00	0,000	2,710	0,000	59,240	10,820	42658,200	-42647,380
775+0,00	0,000	2,850	0,000	55,570	10,820	42713,780	-42702,960
776+0,00	0,000	2,410	0,000	52,640	10,820	42766,420	-42755,600
777+0,00	0,000	2,760	0,000	51,720	10,820	42818,140	-42807,320
778+0,00	0,000	2,740	0,000	54,970	10,820	42873,110	-42862,290
779+0,00	0,000	2,630	0,000	53,660	10,820	42926,770	-42915,950
780+0,00	0,000	2,940	0,000	55,710	10,820	42982,490	-42971,670
781+0,00	0,000	2,660	0,000	56,010	10,820	43038,500	-43027,680
782+0,00	0,000	2,160	0,000	48,190	10,820	43086,690	-43075,870
783+0,00	0,000	2,740	0,000	49,050	10,820	43135,740	-43124,920
784+0,00	0,000	2,930	0,000	56,770	10,820	43192,510	-43181,690
785+0,00	0,000	2,940	0,000	58,690	10,820	43251,200	-43240,380
786+0,00	0,000	2,850	0,000	57,820	10,820	43309,020	-43298,200
787+0,00	0,000	2,750	0,000	55,930	10,820	43364,950	-43354,130
788+0,00	0,000	2,620	0,000	53,650	10,820	43418,600	-43407,780
789+0,00	0,000	3,420	0,000	60,360	10,820	43478,960	-43468,140
790+0,00	0,000	3,180	0,000	66,010	10,820	43544,970	-43534,150
791+0,00	0,000	3,680	0,000	68,660	10,820	43613,630	-43602,810
792+0,00	0,000	3,870	0,000	75,570	10,820	43689,210	-43678,390
793+0,00	0,000	3,170	0,000	70,450	10,820	43759,660	-43748,840
794+0,00	0,000	2,630	0,000	57,990	10,820	43817,650	-43806,830
795+0,00	0,000	2,230	0,000	48,600	10,820	43866,240	-43855,420
796+0,00	0,000	4,600	0,000	68,320	10,820	43934,570	-43923,750
797+0,00	0,000	3,340	0,000	79,360	10,820	44013,930	-44003,110
798+0,00	0,000	2,880	0,000	62,180	10,820	44076,110	-44065,290
799+0,00	0,000	2,560	0,000	54,400	10,820	44130,500	-44119,680
800+0,00	0,000	2,470	0,000	50,300	10,820	44180,800	-44169,980
801+0,00	0,000	2,690	0,000	51,570	10,820	44232,370	-44221,550
802+0,00	0,000	3,140	0,000	58,300	10,820	44290,670	-44279,850
803+0,00	0,000	2,910	0,000	60,510	10,820	44351,180	-44340,360
804+0,00	0,000	2,690	0,000	56,020	10,820	44407,200	-44396,380
805+0,00	0,000	3,480	0,000	61,770	10,820	44468,970	-44458,150
806+0,00	0,000	3,440	0,000	69,220	10,820	44538,190	-44527,370
807+0,00	0,000	3,040	0,000	64,800	10,820	44602,990	-44592,170
808+0,00	0,000	2,880	0,000	59,180	10,820	44662,170	-44651,350
809+0,00	0,000	2,630	0,000	55,110	10,820	44717,280	-44706,460
810+0,00	0,000	2,800	0,000	54,360	10,820	44771,640	-44760,820
811+0,00	0,000	3,050	0,000	58,530	10,820	44830,180	-44819,360
812+0,00	0,000	3,430	0,000	64,840	10,820	44895,020	-44884,200
813+0,00	0,000	3,170	0,000	66,050	10,820	44961,070	-44950,250
814+0,00	0,000	2,940	0,000	61,100	10,820	45022,160	-45011,340
815+0,00	0,000	3,270	0,000	62,060	10,820	45084,230	-45073,410
816+0,00	0,000	3,090	0,000	63,540	10,820	45147,770	-45136,950
817+0,00	0,000	2,830	0,000	59,200	10,820	45206,970	-45196,150
818+0,00	0,000	3,210	0,000	60,470	10,820	45267,440	-45256,620
819+0,00	0,000	3,050	0,000	62,630	10,820	45330,070	-45319,250
820+0,00	0,000	2,800	0,000	58,460	10,820	45388,530	-45377,710
821+0,00	0,000	2,830	0,000	56,280	10,820	45444,800	-45433,980
822+0,00	0,000	2,840	0,000	56,690	10,820	45501,500	-45490,680

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - SUPPO
Secretaria das Cidades (Social)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
823+0,00	0,000	2,970	0,000	58,090	10,820	45559,580	-45548,760
824+0,00	0,000	2,960	0,000	59,310	10,820	45618,890	-45608,070
825+0,00	0,000	3,640	0,000	65,980	10,820	45684,880	-45674,060
826+0,00	0,000	3,230	0,000	68,680	10,820	45753,560	-45742,740
827+0,00	0,000	2,890	0,000	61,060	10,820	45814,620	-45803,800
828+0,00	0,000	1,530	0,000	44,180	10,820	45858,800	-45847,980
829+0,00	0,000	2,300	0,000	38,340	10,820	45897,130	-45886,310
830+0,00	0,000	2,840	0,000	51,490	10,820	45948,620	-45937,800
831+0,00	0,000	2,930	0,000	57,740	10,820	46006,360	-45995,540
832+0,00	0,000	1,630	0,000	45,620	10,820	46051,980	-46041,160
833+0,00	0,000	4,420	0,000	60,500	10,820	46112,470	-46101,650
834+0,00	0,000	4,050	0,000	84,690	10,820	46197,160	-46186,340
835+0,00	0,000	2,930	0,000	69,810	10,820	46266,970	-46256,150
836+0,00	0,000	0,970	0,000	39,000	10,820	46305,980	-46295,160
837+0,00	0,000	1,910	0,000	28,770	10,830	46334,750	-46323,920
838+0,00	0,000	2,140	0,000	40,770	10,830	46375,510	-46364,680
839+0,00	0,000	2,720	0,000	48,610	10,830	46424,130	-46413,300
840+0,00	0,000	2,310	0,000	50,340	10,830	46474,460	-46463,630
841+0,00	0,000	2,680	0,000	49,960	10,830	46524,420	-46513,590
842+0,00	0,000	2,340	0,000	50,200	10,830	46574,620	-46563,790
843+0,00	0,000	4,010	0,000	63,500	10,830	46638,120	-46627,290
844+0,00	0,000	4,300	0,000	83,160	10,830	46721,280	-46710,450
845+0,00	0,000	4,430	0,000	87,280	10,830	46808,560	-46797,730
846+0,00	0,000	3,160	0,000	75,840	10,830	46884,400	-46873,570
847+0,00	0,000	2,760	0,000	59,210	10,830	46943,610	-46932,780
848+0,00	0,000	2,170	0,000	49,330	10,830	46992,940	-46982,110
849+0,00	0,000	2,600	0,000	47,710	10,830	47040,650	-47029,820
850+0,00	0,000	2,900	0,000	55,020	10,830	47095,670	-47084,840
851+0,00	0,000	2,170	0,000	50,720	10,830	47146,390	-47135,560
852+0,00	0,000	3,020	0,000	51,880	10,830	47198,270	-47187,440
853+0,00	0,000	2,890	0,000	59,050	10,830	47257,310	-47246,480
854+0,00	0,000	2,510	0,000	53,980	10,830	47311,300	-47300,470
855+0,00	0,000	1,770	0,000	42,800	10,830	47354,100	-47343,270
856+0,00	0,000	2,740	0,000	45,120	10,830	47399,220	-47388,390
857+0,00	0,000	2,870	0,000	56,180	10,830	47455,390	-47444,560
858+0,00	0,000	3,180	0,000	60,510	10,830	47515,900	-47505,070
859+0,00	0,000	2,600	0,000	57,780	10,830	47573,680	-47562,850
860+0,00	0,000	2,530	0,000	51,350	10,830	47625,030	-47614,200
861+0,00	0,000	2,750	0,000	52,880	10,830	47677,910	-47667,080
862+0,00	0,000	2,960	0,000	57,180	10,830	47735,090	-47724,260
863+0,00	0,000	2,850	0,000	58,140	10,830	47793,230	-47782,400
864+0,00	0,000	2,730	0,000	55,810	10,830	47849,030	-47838,200
865+0,00	0,000	1,910	0,000	46,380	10,830	47895,410	-47884,580
866+0,00	0,000	2,400	0,000	43,050	10,830	47938,460	-47927,630
867+0,00	0,000	2,460	0,000	48,600	10,830	47987,060	-47976,230
868+0,00	0,000	2,640	0,000	51,050	10,830	48038,110	-48027,280
869+0,00	0,000	2,740	0,000	53,840	10,830	48091,950	-48081,120
870+0,00	0,000	2,810	0,000	55,510	10,830	48147,460	-48136,630
871+0,00	0,000	2,400	0,000	52,120	10,830	48199,580	-48188,750
872+0,00	0,000	2,250	0,000	46,480	10,830	48246,070	-48235,240
873+0,00	0,000	2,300	0,000	45,420	10,830	48291,490	-48280,660
874+0,00	0,000	1,760	0,000	40,570	10,830	48332,060	-48321,230
875+0,00	0,000	1,690	0,000	34,490	10,830	48366,540	-48355,710
876+0,00	0,000	2,720	0,000	44,120	10,830	48410,670	-48399,840
877+0,00	0,000	3,110	0,000	58,320	10,830	48468,990	-48458,160
878+0,00	0,000	3,140	0,000	62,450	10,830	48531,440	-48520,610
879+0,00	0,000	2,910	0,000	60,510	10,830	48591,950	-48581,120
880+0,00	0,000	2,810	0,000	57,200	10,830	48649,150	-48638,320
881+0,00	0,000	2,640	0,000	54,460	10,830	48703,610	-48692,780
882+0,00	0,000	2,790	0,000	54,340	10,830	48757,950	-48747,120
883+0,00	0,000	3,080	0,000	58,770	10,830	48816,720	-48805,890
884+0,00	0,000	2,820	0,000	59,080	10,830	48875,800	-48864,970
885+0,00	0,000	2,990	0,000	58,110	10,830	48933,910	-48923,080
886+0,00	0,000	3,180	0,000	61,620	10,830	48995,530	-48984,700

Osvaldo Leôncio da Silva Filho
Diretor da Diretoria de Programas
Projetos e Obras - DIPRO
Secretaria de Estado de Obras

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
887+0,00	0,000	3,240	0,000	64,140	10,830	49059,670	-49048,840
888+0,00	0,000	2,990	0,000	62,300	10,830	49121,970	-49111,140
889+0,00	0,000	3,280	0,000	62,720	10,830	49184,690	-49173,860
890+0,00	0,000	3,540	0,000	68,250	10,830	49252,930	-49242,100
891+0,00	0,000	3,500	0,000	70,420	10,830	49323,360	-49312,530
892+0,00	0,000	3,440	0,000	69,350	10,830	49392,710	-49381,880
893+0,00	0,000	3,320	0,000	67,530	10,830	49460,250	-49449,420
894+0,00	0,000	3,090	0,000	64,040	10,830	49524,280	-49513,450
895+0,00	0,000	2,610	0,000	56,950	10,830	49581,240	-49570,410
896+0,00	0,000	3,080	0,000	56,840	10,830	49638,080	-49627,250
897+0,00	0,000	3,110	0,000	61,900	10,830	49699,980	-49689,150
898+0,00	0,000	3,140	0,000	62,490	10,830	49762,480	-49751,650
899+0,00	0,000	2,990	0,000	61,310	10,830	49823,780	-49812,950
900+0,00	0,000	2,920	0,000	59,150	10,830	49882,940	-49872,110
901+0,00	0,000	2,890	0,000	58,120	10,830	49941,050	-49930,220
902+0,00	0,000	3,010	0,000	58,970	10,830	50000,020	-49989,190
903+0,00	0,000	3,130	0,000	61,350	10,830	50061,370	-50050,540
904+0,00	0,000	2,920	0,000	60,470	10,830	50121,850	-50111,020
905+0,00	0,000	2,900	0,000	58,220	10,830	50180,060	-50169,230
906+0,00	0,000	2,730	0,000	56,370	10,830	50236,430	-50225,600
907+0,00	0,000	2,700	0,000	54,380	10,830	50290,810	-50279,980
908+0,00	0,000	2,710	0,000	54,150	10,830	50344,960	-50334,130
909+0,00	0,000	3,250	0,000	59,660	10,830	50404,620	-50393,790
910+0,00	0,000	2,650	0,000	59,060	10,830	50463,680	-50452,850
911+0,00	0,000	3,000	0,000	56,550	10,830	50520,230	-50509,400
912+0,00	0,000	2,920	0,000	59,270	10,830	50579,500	-50568,670
913+0,00	0,000	2,820	0,000	57,450	10,830	50636,940	-50626,110
914+0,00	0,000	2,760	0,000	55,780	10,830	50692,730	-50681,900
915+0,00	0,000	2,820	0,000	55,760	10,830	50748,490	-50737,660
916+0,00	0,000	2,860	0,000	56,830	10,830	50805,320	-50794,490
917+0,00	0,000	2,920	0,000	57,820	10,830	50863,140	-50852,310
918+0,00	0,000	2,760	0,000	56,750	10,830	50919,890	-50909,060
919+0,00	0,000	2,750	0,000	54,790	10,830	50974,680	-50963,850
920+0,00	0,000	2,260	0,000	50,120	10,830	51024,800	-51013,970
921+0,00	0,000	2,410	0,000	46,770	10,830	51071,560	-51060,730
922+0,00	0,000	2,220	0,000	46,320	10,830	51117,880	-51107,050
923+0,00	0,000	2,470	0,000	46,940	10,830	51164,820	-51153,990
924+0,00	0,000	2,160	0,000	46,370	10,830	51211,190	-51200,360
925+0,00	0,000	2,470	0,000	46,310	10,830	51257,490	-51246,660
926+0,00	0,000	2,680	0,000	51,440	10,830	51308,930	-51298,100
927+0,00	0,000	2,400	0,000	50,780	10,830	51359,700	-51348,870
928+0,00	0,000	2,900	0,000	52,980	10,830	51412,680	-51401,850
929+0,00	0,000	2,820	0,000	57,180	10,830	51469,860	-51459,030
930+0,00	0,000	2,730	0,000	55,570	10,830	51525,430	-51514,600
931+0,00	0,000	3,060	0,000	57,970	10,830	51583,410	-51572,580
932+0,00	0,000	2,690	0,000	57,530	10,830	51640,930	-51630,100
933+0,00	0,000	2,450	0,000	51,380	10,830	51692,320	-51681,490
934+0,00	0,000	2,100	0,000	45,440	10,830	51737,750	-51726,920
935+0,00	0,000	2,240	0,000	43,370	10,830	51781,120	-51770,290
936+0,00	0,000	2,670	0,000	49,130	10,830	51830,250	-51819,420
937+0,00	0,000	2,400	0,000	50,700	10,830	51880,950	-51870,120
938+0,00	0,000	2,770	0,000	51,660	10,830	51932,610	-51921,780
939+0,00	0,000	2,760	0,000	55,320	10,830	51987,930	-51977,100
940+0,00	0,000	2,870	0,000	56,320	10,830	52044,250	-52033,420
941+0,00	0,000	2,720	0,000	55,840	10,830	52100,090	-52089,260
942+0,00	0,000	2,650	0,000	53,670	10,830	52153,750	-52142,920
943+0,00	0,000	2,850	0,000	54,960	10,830	52208,720	-52197,890
944+0,00	0,000	2,900	0,000	57,500	10,830	52266,220	-52255,390
945+0,00	0,000	3,340	0,000	62,440	10,830	52328,660	-52317,830
946+0,00	0,000	3,570	0,000	69,090	10,830	52397,750	-52386,920
947+0,00	0,000	2,820	0,000	63,840	10,830	52461,590	-52450,760
948+0,00	0,000	2,700	0,000	55,110	10,830	52516,710	-52505,880
949+0,00	0,000	2,850	0,000	55,490	10,830	52572,200	-52561,370
950+0,00	0,000	3,050	0,000	59,060	10,830	52631,260	-52620,430

Osvaldo Leôncio da Silva
Diretor da Unidade de Projetos
Projetos e Obras - ENFRAP
Secretaria

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
951+0,00	0,000	3,200	0,000	62,530	10,830	52693,790	-52682,960
952+0,00	0,000	3,120	0,000	63,220	10,830	52757,010	-52746,180
953+0,00	0,000	3,080	0,000	62,010	10,830	52819,020	-52808,190
954+0,00	0,000	2,870	0,000	59,450	10,830	52878,470	-52867,640
955+0,00	0,000	3,100	0,000	59,690	10,830	52938,160	-52927,330
956+0,00	0,000	2,840	0,000	59,430	10,830	52997,600	-52986,770
957+0,00	0,000	3,380	0,000	62,170	10,830	53059,770	-53048,940
958+0,00	0,000	3,080	0,000	64,580	10,830	53124,350	-53113,520
959+0,00	0,000	3,250	0,000	63,290	10,830	53187,640	-53176,810
960+0,00	0,000	3,050	0,000	62,970	10,830	53250,600	-53239,770
961+0,00	0,000	3,240	0,000	62,920	10,830	53313,530	-53302,700
962+0,00	0,000	2,760	0,000	60,020	10,830	53373,540	-53362,710
963+0,00	0,000	2,880	0,000	56,330	10,830	53429,880	-53419,050
964+0,00	0,000	2,880	0,000	57,560	10,830	53487,440	-53476,610
965+0,00	0,000	2,850	0,000	57,340	10,830	53544,770	-53533,940
966+0,00	0,000	3,150	0,000	60,080	10,830	53604,850	-53594,020
967+0,00	0,000	3,080	0,000	62,330	10,830	53667,180	-53656,350
968+0,00	0,000	3,130	0,000	62,100	10,830	53729,280	-53718,450
969+0,00	0,000	2,980	0,000	61,110	10,830	53790,390	-53779,560
970+0,00	0,000	2,750	0,000	57,330	10,830	53847,730	-53836,900
971+0,00	0,000	2,510	0,000	52,630	10,830	53900,350	-53889,520
972+0,00	0,000	2,090	0,000	45,950	10,830	53946,310	-53935,480
973+0,00	0,000	2,640	0,000	47,230	10,830	53993,540	-53982,710
974+0,00	0,000	2,940	0,000	55,790	10,830	54049,330	-54038,500
975+0,00	0,000	3,260	0,000	62,010	10,830	54111,340	-54100,510
976+0,00	0,000	3,820	0,000	70,810	10,830	54182,150	-54171,320
977+0,00	0,000	3,320	0,000	71,420	10,830	54253,570	-54242,740
978+0,00	0,000	3,010	0,000	63,330	10,830	54316,900	-54306,070
979+0,00	0,000	3,010	0,000	60,180	10,830	54377,080	-54366,250
980+0,00	0,000	3,080	0,000	60,970	10,830	54438,050	-54427,220
981+0,00	0,000	3,120	0,000	62,000	10,830	54500,060	-54489,230
982+0,00	0,000	3,160	0,000	62,510	10,830	54562,570	-54551,740
983+0,00	0,000	2,840	0,000	59,940	10,830	54622,510	-54611,680
984+0,00	0,000	1,980	0,000	48,180	10,830	54670,690	-54659,860
985+0,00	0,000	2,640	0,000	46,230	10,830	54716,920	-54706,090
986+0,00	0,000	2,480	0,000	51,190	10,830	54768,110	-54757,280
987+0,00	0,000	3,070	0,000	55,460	10,830	54823,570	-54812,740
988+0,00	0,000	2,540	0,000	56,060	10,830	54879,630	-54868,800
989+0,00	0,000	2,670	0,000	52,030	10,830	54931,660	-54920,830
990+0,00	0,000	2,970	0,000	56,360	10,830	54988,020	-54977,190
991+0,00	0,000	3,250	0,000	62,240	10,830	55050,270	-55039,440
992+0,00	0,000	3,100	0,000	63,530	10,830	55113,790	-55102,960
993+0,00	0,000	2,990	0,000	60,860	10,830	55174,650	-55163,820
994+0,00	0,000	2,740	0,000	57,260	10,830	55231,920	-55221,090
995+0,00	0,000	2,810	0,000	55,530	10,830	55287,450	-55276,620
996+0,00	0,000	3,330	0,000	61,400	10,830	55348,850	-55338,020
997+0,00	0,000	2,980	0,000	63,060	10,830	55411,900	-55401,070
998+0,00	0,000	2,770	0,000	57,500	10,830	55469,410	-55458,580
999+0,00	0,000	2,420	0,000	51,940	10,830	55521,340	-55510,510
1000+0,00	0,000	2,180	0,000	46,000	10,830	55567,350	-55556,520
1001+0,00	0,000	2,600	0,000	47,760	10,830	55615,100	-55604,270
1002+0,00	0,000	3,050	0,000	56,480	10,830	55671,580	-55660,750
1003+0,00	0,000	2,540	0,000	55,900	10,830	55727,480	-55716,650
1004+0,00	0,000	1,870	0,000	44,100	10,830	55771,580	-55760,750
1005+0,00	0,000	2,500	0,000	43,430	10,830	55815,010	-55804,180
1006+0,00	0,000	3,030	0,000	55,310	10,830	55870,320	-55859,490
1007+0,00	0,000	3,150	0,000	61,820	10,830	55932,140	-55921,310
1008+0,00	0,000	2,830	0,000	58,860	10,830	55991,000	-55980,170
1009+0,00	0,000	2,750	0,000	55,770	10,830	56046,780	-56035,950
1010+0,00	0,000	2,990	0,000	57,330	10,830	56104,110	-56093,280
1011+0,00	0,000	3,460	0,000	63,440	10,830	56167,550	-56156,720
1012+0,00	0,000	2,710	0,000	61,730	10,830	56229,280	-56218,450
1013+0,00	0,000	2,900	0,000	56,080	10,830	56285,360	-56274,530
1014+0,00	0,000	3,000	0,000	59,010	10,830	56344,370	-56333,540

Osvaldo Leôncio da Silva
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades (Secid)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1015+0,00	0,000	2,340	0,000	53,430	10,830	56397,800	-56386,970
1016+0,00	0,000	2,580	0,000	49,160	10,830	56446,950	-56436,120
1017+0,00	0,000	2,850	0,000	54,250	10,830	56501,200	-56490,370
1018+0,00	0,000	2,250	0,000	50,970	10,830	56552,170	-56541,340
1019+0,00	0,000	2,250	0,000	44,970	10,830	56597,130	-56586,300
1020+0,00	0,000	2,700	0,000	49,440	10,830	56646,570	-56635,740
1021+0,00	0,000	2,950	0,000	56,430	10,830	56703,000	-56692,170
1022+0,00	0,000	3,510	0,000	64,570	10,830	56767,570	-56756,740
1023+0,00	0,000	3,820	0,000	73,260	10,830	56840,830	-56830,000
1024+0,00	0,000	2,810	0,000	66,220	10,830	56907,050	-56896,220
1025+0,00	0,000	2,760	0,000	55,650	10,830	56962,700	-56951,870
1026+0,00	0,000	2,570	0,000	53,280	10,830	57015,980	-57005,150
1027+0,00	0,000	2,680	0,000	52,500	10,830	57068,480	-57057,650
1028+0,00	0,000	3,270	0,000	59,540	10,830	57128,010	-57117,180
1029+0,00	0,000	3,930	0,000	72,050	10,830	57200,060	-57189,230
1030+0,00	0,000	2,740	0,000	66,780	10,830	57266,840	-57256,010
1031+0,00	0,000	2,980	0,000	57,270	10,830	57324,110	-57313,280
1032+0,00	0,000	2,980	0,000	59,670	10,830	57383,780	-57372,950
1033+0,00	0,000	2,520	0,000	55,080	10,830	57438,860	-57428,030
1034+0,00	0,000	2,130	0,000	46,570	10,830	57485,420	-57474,590
1035+0,00	0,000	2,500	0,000	46,320	10,830	57531,740	-57520,910
1036+0,00	0,000	2,520	0,000	50,140	10,830	57581,890	-57571,060
1037+0,00	0,000	3,410	0,000	59,280	10,830	57641,160	-57630,330
1038+0,00	0,000	3,680	0,000	70,880	10,830	57712,050	-57701,220
1039+0,00	0,000	3,000	0,000	66,750	10,830	57778,800	-57767,970
1040+0,00	0,000	2,970	0,000	59,670	10,830	57838,470	-57827,640
1041+0,00	0,000	3,040	0,000	60,090	10,830	57898,560	-57887,730
1042+0,00	0,000	2,650	0,000	56,920	10,830	57955,480	-57944,650
1043+0,00	0,000	2,170	0,000	48,260	10,830	58003,740	-57992,910
1044+0,00	0,000	2,490	0,000	46,640	10,830	58050,380	-58039,550
1045+0,00	0,000	3,080	0,000	55,740	10,830	58106,120	-58095,290
1046+0,00	0,000	3,040	0,000	61,220	10,830	58167,340	-58156,510
1047+0,00	0,000	3,310	0,000	63,480	10,830	58230,820	-58219,990
1048+0,00	0,000	3,130	0,000	64,370	10,830	58295,190	-58284,360
1049+0,00	0,000	2,740	0,000	58,630	10,830	58353,820	-58342,990
1050+0,00	0,000	2,860	0,000	55,930	10,830	58409,740	-58398,910
1051+0,00	0,000	2,670	0,000	55,230	10,830	58464,970	-58454,140
1052+0,00	0,000	2,940	0,000	56,100	10,830	58521,070	-58510,240
1053+0,00	0,000	2,570	0,000	55,110	10,830	58576,180	-58565,350
1054+0,00	0,000	2,730	0,000	52,990	10,830	58629,160	-58618,330
1055+0,00	0,000	3,080	0,000	58,090	10,830	58687,260	-58676,430
1056+0,00	0,000	3,300	0,000	63,760	10,830	58751,010	-58740,180
1057+0,00	0,000	3,660	0,000	69,580	10,830	58820,590	-58809,760
1058+0,00	0,000	3,360	0,000	70,150	10,830	58890,750	-58879,920
1059+0,00	0,000	3,180	0,000	65,350	10,830	58956,100	-58945,270
1060+0,00	0,000	3,520	0,000	67,040	10,830	59023,140	-59012,310
1061+0,00	0,000	3,120	0,000	66,420	10,830	59089,560	-59078,730
1062+0,00	0,000	2,950	0,000	60,650	10,830	59150,210	-59139,380
1063+0,00	0,000	2,610	0,000	55,620	10,830	59205,830	-59195,000
1064+0,00	0,000	2,650	0,000	52,630	10,830	59258,460	-59247,630
1065+0,00	0,000	3,040	0,000	56,890	10,830	59315,340	-59304,510
1066+0,00	0,000	2,820	0,000	58,580	10,830	59373,920	-59363,090
1067+0,00	0,000	2,250	0,000	50,680	10,830	59424,600	-59413,770
1068+0,00	0,000	1,810	0,000	40,620	10,830	59465,220	-59454,390
1069+0,00	0,000	2,050	0,000	38,580	10,830	59503,800	-59492,970
1070+0,00	0,000	2,440	0,000	44,870	10,830	59548,670	-59537,840
1071+0,00	0,000	2,200	0,000	46,430	10,830	59595,100	-59584,270
1072+0,00	0,000	2,380	0,000	45,830	10,830	59640,930	-59630,100
1073+0,00	0,000	2,210	0,000	45,910	10,830	59686,840	-59676,010
1074+0,00	0,000	2,410	0,000	46,210	10,830	59733,060	-59722,230
1075+0,00	0,000	1,440	0,000	38,500	10,830	59771,560	-59760,730
1076+0,00	0,000	0,880	0,000	23,200	10,830	59794,760	-59783,930
1077+0,00	0,000	0,660	0,020	15,400	10,850	59810,160	-59799,310
1078+0,00	0,000	0,960	0,020	16,230	10,870	59826,390	-59815,520

Osvaldo Leôncio da Silva Filho
Diretoria de Licenciamento e Programas
Presidente da Comissão - DUPPO
Superintendência de Desenvolvimento Sócio

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1079+0,00	0,000	1,810	0,000	27,700	10,870	59854,080	-59843,210
1080+0,00	0,000	1,630	0,000	34,380	10,870	59888,460	-59877,590
1081+0,00	0,000	2,210	0,000	38,370	10,870	59926,830	-59915,960
1082+0,00	0,000	1,800	0,000	40,060	10,870	59966,900	-59956,030
1083+0,00	0,000	3,150	0,000	49,500	10,870	60016,400	-60005,530
1084+0,00	0,000	3,990	0,000	71,480	10,870	60087,880	-60077,010
1085+0,00	0,000	3,300	0,000	72,870	10,870	60160,750	-60149,880
1086+0,00	0,000	3,250	0,000	65,480	10,870	60226,230	-60215,360
1087+0,00	0,000	3,060	0,000	63,090	10,870	60289,320	-60278,450
1088+0,00	0,000	2,260	0,000	53,190	10,870	60342,510	-60331,640
1089+0,00	0,000	1,660	0,000	39,150	10,870	60381,660	-60370,790
1090+0,00	0,000	1,620	0,000	32,980	10,870	60414,640	-60403,770
1091+0,00	0,000	2,130	0,000	37,420	10,870	60452,060	-60441,190
1092+0,00	0,000	2,390	0,000	45,190	10,870	60497,260	-60486,390
1093+0,00	0,000	2,870	0,000	52,620	10,870	60549,880	-60539,010
1094+0,00	0,000	2,880	0,000	57,460	10,870	60607,340	-60596,470
1095+0,00	0,000	2,900	0,000	57,810	10,870	60665,140	-60654,270
1096+0,00	0,000	3,770	0,000	66,690	10,870	60731,830	-60720,960
1097+0,00	0,000	3,160	0,000	69,280	10,870	60801,120	-60790,250
1098+0,00	0,000	2,910	0,000	60,590	10,870	60861,710	-60850,840
1099+0,00	0,000	3,000	0,000	59,110	10,870	60920,820	-60909,950
1100+0,00	0,000	2,460	0,000	54,620	10,870	60975,440	-60964,570
1101+0,00	0,000	1,650	0,000	41,070	10,870	61016,510	-61005,640
1102+0,00	0,000	1,710	0,000	33,570	10,870	61050,080	-61039,210
1103+0,00	0,000	2,110	0,000	38,180	10,870	61088,260	-61077,390
1104+0,00	0,000	2,950	0,000	50,630	10,870	61138,880	-61128,010
1105+0,00	0,000	4,360	0,000	73,130	10,870	61212,020	-61201,150
1106+0,00	0,000	2,240	0,000	66,030	10,870	61278,050	-61267,180
1107+0,00	0,000	1,500	0,000	37,210	10,870	61315,260	-61304,390
1108+0,00	0,000	1,830	0,000	33,270	10,870	61348,530	-61337,660
1109+0,00	0,000	2,380	0,000	42,160	10,870	61390,690	-61379,820
1110+0,00	0,000	2,330	0,000	47,060	10,870	61437,750	-61426,880
1111+0,00	0,000	2,690	0,000	50,210	10,870	61487,960	-61477,090
1112+0,00	0,000	2,840	0,000	55,300	10,870	61543,260	-61532,390
1113+0,00	0,000	3,330	0,000	61,710	10,870	61604,970	-61594,100
1114+0,00	0,000	3,050	0,000	63,880	10,870	61668,840	-61657,970
1115+0,00	0,000	2,770	0,000	58,220	10,870	61727,060	-61716,190
1116+0,00	0,000	3,690	0,000	64,560	10,870	61791,630	-61780,760
1117+0,00	0,000	3,930	0,000	76,130	10,870	61867,760	-61856,890
1118+0,00	0,000	2,930	0,000	68,370	10,870	61936,130	-61925,260
1119+0,00	0,000	2,830	0,000	57,530	10,870	61993,660	-61982,790
1120+0,00	0,000	2,880	0,000	57,090	10,870	62050,760	-62039,890
1121+0,00	0,000	1,900	0,000	47,860	10,870	62098,610	-62087,740
1122+0,00	0,000	1,970	0,000	38,690	10,870	62137,310	-62126,440
1123+0,00	0,000	2,700	0,000	46,670	10,870	62183,970	-62173,100
1124+0,00	0,000	3,340	0,000	60,390	10,870	62244,370	-62233,500
1125+0,00	0,000	3,420	0,000	67,560	10,870	62311,930	-62301,060
1126+0,00	0,000	2,830	0,000	62,460	10,870	62374,390	-62363,520
1127+0,00	0,000	2,950	0,000	58,200	10,870	62432,580	-62421,710
1128+0,00	0,000	3,180	0,000	61,340	10,870	62493,920	-62483,050
1129+0,00	0,000	2,970	0,000	61,510	10,870	62555,440	-62544,570
1130+0,00	0,000	3,110	0,000	60,840	10,870	62616,270	-62605,400
1131+0,00	0,000	2,930	0,000	60,470	10,870	62676,740	-62665,870
1132+0,00	0,000	3,310	0,000	62,420	10,870	62739,170	-62728,300
1133+0,00	0,000	3,330	0,000	66,400	10,870	62805,570	-62794,700
1134+0,00	0,000	3,130	0,000	64,630	10,870	62870,200	-62859,330
1135+0,00	0,000	2,940	0,000	60,410	10,870	62930,610	-62919,740
1136+0,00	0,000	3,650	0,000	65,820	10,870	62996,420	-62985,550
1137+0,00	0,000	3,320	0,000	69,380	10,870	63065,800	-63054,930
1138+0,00	0,000	2,810	0,000	61,210	10,870	63127,010	-63116,140
1139+0,00	0,000	2,450	0,000	52,600	10,870	63179,610	-63168,740
1140+0,00	0,000	2,400	0,000	48,420	10,870	63228,030	-63217,160
1141+0,00	0,000	2,830	0,000	52,230	10,870	63280,260	-63269,390
1142+0,00	0,000	2,860	0,000	56,900	10,870	63337,170	-63326,300

Osvaldo Leôncio da Silva
Diretor da Unidade de Projetos
Projetos e Obras - SUrPO
Secretaria de Obras/Recife

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1143+0,00	0,000	2,890	0,000	57,540	10,870	63394,700	-63383,830
1144+0,00	0,000	3,170	0,000	60,600	10,870	63455,310	-63444,440
1145+0,00	0,000	3,150	0,000	63,190	10,870	63518,500	-63507,630
1146+0,00	0,000	2,920	0,000	60,680	10,870	63579,180	-63568,310
1147+0,00	0,000	2,870	0,000	57,900	10,870	63637,080	-63626,210
1148+0,00	0,000	2,660	0,000	55,350	10,870	63692,430	-63681,560
1149+0,00	0,000	1,960	0,000	46,180	10,870	63738,610	-63727,740
1150+0,00	0,000	2,170	0,000	40,810	10,870	63779,420	-63768,550
1151+0,00	0,000	2,920	0,000	50,860	10,870	63830,280	-63819,410
1152+0,00	0,000	3,120	0,000	60,450	10,870	63890,730	-63879,860
1153+0,00	0,000	3,440	0,000	65,640	10,870	63956,380	-63945,510
1154+0,00	0,000	3,040	0,000	64,780	10,870	64021,150	-64010,280
1155+0,00	0,000	3,380	0,000	64,180	10,870	64085,330	-64074,460
1156+0,00	0,000	3,020	0,000	63,950	10,870	64149,280	-64138,410
1157+0,00	0,000	2,740	0,000	57,590	10,870	64206,870	-64196,000
1158+0,00	0,000	2,730	0,000	54,790	10,870	64261,660	-64250,790
1159+0,00	0,000	2,900	0,000	56,310	10,870	64317,970	-64307,100
1160+0,00	0,000	2,890	0,000	57,890	10,870	64375,860	-64364,990
1161+0,00	0,000	2,870	0,000	57,610	10,870	64433,470	-64422,600
1162+0,00	0,000	2,820	0,000	56,860	10,870	64490,330	-64479,460
1163+0,00	0,000	2,800	0,000	56,180	10,870	64546,520	-64535,650
1164+0,00	0,000	2,740	0,000	55,380	10,870	64601,890	-64591,020
1165+0,00	0,000	2,810	0,000	55,490	10,870	64657,380	-64646,510
1166+0,00	0,000	1,390	0,000	42,000	10,870	64699,380	-64688,510
1167+0,00	0,000	2,560	0,000	39,530	10,870	64738,900	-64728,030
1168+0,00	0,000	2,890	0,000	54,480	10,870	64793,390	-64782,520
1169+0,00	0,000	3,120	0,000	60,030	10,870	64853,410	-64842,540
1170+0,00	0,000	3,150	0,000	62,660	10,870	64916,070	-64905,200
1171+0,00	0,000	2,960	0,000	61,120	10,870	64977,190	-64966,320
1172+0,00	0,000	3,090	0,000	60,490	10,870	65037,680	-65026,810
1173+0,00	0,000	3,050	0,000	61,310	10,870	65098,990	-65088,120
1174+0,00	0,000	2,790	0,000	58,400	10,870	65157,390	-65146,520
1175+0,00	0,000	2,600	0,000	53,970	10,870	65211,360	-65200,490
1176+0,00	0,000	2,100	0,000	47,010	10,870	65258,370	-65247,500
1177+0,00	0,000	2,480	0,000	45,850	10,870	65304,220	-65293,350
1178+0,00	0,000	2,720	0,000	52,010	10,870	65356,230	-65345,360
1179+0,00	0,000	2,320	0,000	50,410	10,870	65406,630	-65395,760
1180+0,00	0,000	2,680	0,000	49,940	10,870	65456,570	-65445,700
1181+0,00	0,000	2,860	0,000	55,400	10,870	65511,970	-65501,100
1182+0,00	0,000	2,750	0,000	56,100	10,870	65568,070	-65557,200
1183+0,00	0,000	2,930	0,000	56,740	10,870	65624,810	-65613,940
1184+0,00	0,000	2,890	0,000	58,160	10,870	65682,970	-65672,100
1185+0,00	0,000	2,830	0,000	57,200	10,870	65740,170	-65729,300
1186+0,00	0,000	2,750	0,000	55,810	10,870	65795,980	-65785,110
1187+0,00	0,000	2,890	0,000	56,420	10,870	65852,400	-65841,530
1188+0,00	0,000	2,690	0,000	55,870	10,870	65908,270	-65897,400
1189+0,00	0,000	2,580	0,000	52,750	10,870	65961,020	-65950,150
1190+0,00	0,000	2,680	0,000	52,430	10,870	66013,450	-66002,580
1191+0,00	0,000	3,140	0,000	58,190	10,870	66071,640	-66060,770
1192+0,00	0,000	2,830	0,000	59,700	10,870	66131,340	-66120,470
1193+0,00	0,000	3,080	0,000	59,130	10,870	66190,470	-66179,600
1194+0,00	0,000	2,850	0,000	59,310	10,870	66249,780	-66238,910
1195+0,00	0,000	3,110	0,000	59,590	10,870	66309,370	-66298,500
1196+0,00	0,000	2,720	0,000	58,330	10,870	66367,700	-66356,830
1197+0,00	0,000	2,890	0,000	56,070	10,870	66423,780	-66412,910
1198+0,00	0,000	2,750	0,000	56,320	10,870	66480,100	-66469,230
1199+0,00	0,000	2,590	0,000	53,470	10,870	66533,570	-66522,700
1200+0,00	0,000	2,670	0,000	52,530	10,870	66586,100	-66575,230
1201+0,00	0,000	2,570	0,000	52,340	10,870	66638,440	-66627,570
1202+0,00	0,000	2,890	0,000	54,570	10,870	66693,000	-66682,130
1203+0,00	0,000	2,870	0,000	57,630	10,870	66750,630	-66739,760
1204+0,00	0,000	2,730	0,000	56,030	10,870	66806,660	-66795,790
1205+0,00	0,000	2,900	0,000	56,320	10,870	66862,980	-66852,110
1206+0,00	0,000	2,980	0,000	58,840	10,870	66921,820	-66910,950

Osvaldo Leôncio da Silva Filho
Diretoria Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades (Seci)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1207+0,00	0,000	2,950	0,000	59,360	10,870	66981,180	-66970,310
1208+0,00	0,000	2,930	0,000	58,830	10,870	67040,000	-67029,130
1209+0,00	0,000	2,770	0,000	57,000	10,870	67097,000	-67086,130
1210+0,00	0,000	2,660	0,000	54,330	10,870	67151,330	-67140,460
1211+0,00	0,000	2,850	0,000	55,110	10,870	67206,440	-67195,570
1212+0,00	0,000	3,010	0,000	58,550	10,870	67264,980	-67254,110
1213+0,00	0,000	2,980	0,000	59,840	10,870	67324,820	-67313,950
1214+0,00	0,000	3,010	0,000	59,870	10,870	67384,690	-67373,820
1215+0,00	0,000	3,070	0,000	60,820	10,870	67445,510	-67434,640
1216+0,00	0,000	3,060	0,000	61,270	10,870	67506,780	-67495,910
1217+0,00	0,000	2,800	0,000	58,540	10,870	67565,320	-67554,450
1218+0,00	0,000	3,010	0,000	58,100	10,870	67623,430	-67612,560
1219+0,00	0,000	3,030	0,000	60,430	10,870	67683,850	-67672,980
1220+0,00	0,000	3,080	0,000	61,470	10,870	67745,320	-67734,450
1221+0,00	0,000	3,000	0,000	60,710	10,870	67806,030	-67795,160
1222+0,00	0,000	2,880	0,000	58,770	10,870	67864,800	-67853,930
1223+0,00	0,000	2,660	0,000	55,370	10,870	67920,160	-67909,290
1224+0,00	0,000	2,500	0,000	51,490	10,870	67971,660	-67960,790
1225+0,00	0,000	2,720	0,000	52,120	10,870	68023,780	-68012,910
1226+0,00	0,000	3,020	0,000	57,380	10,870	68081,150	-68070,280
1227+0,00	0,000	3,380	0,000	64,080	10,870	68145,240	-68134,370
1228+0,00	0,000	3,180	0,000	65,630	10,870	68210,870	-68200,000
1229+0,00	0,000	3,740	0,000	69,360	10,870	68280,230	-68269,360
1230+0,00	0,000	3,920	0,000	76,640	10,870	68356,880	-68346,010
1231+0,00	0,000	3,340	0,000	72,800	10,870	68429,680	-68418,810
1232+0,00	0,000	2,960	0,000	63,210	10,870	68492,880	-68482,010
1233+0,00	0,000	2,920	0,000	58,770	10,870	68551,650	-68540,780
1234+0,00	0,000	2,710	0,000	56,480	10,870	68608,130	-68597,260
1235+0,00	0,000	2,620	0,000	53,280	10,870	68661,410	-68650,540
1236+0,00	0,000	2,880	0,000	54,840	10,870	68716,250	-68705,380
1237+0,00	0,000	3,490	0,000	63,690	10,870	68779,930	-68769,060
1238+0,00	0,000	2,990	0,000	64,770	10,870	68844,700	-68833,830
1239+0,00	0,000	2,920	0,000	58,970	10,870	68903,670	-68892,800
1240+0,00	0,000	3,060	0,000	59,760	10,870	68963,430	-68952,560
1241+0,00	0,000	3,230	0,000	62,770	10,870	69026,200	-69015,330
1242+0,00	0,000	3,080	0,000	63,070	10,870	69089,270	-69078,400
1243+0,00	0,000	2,840	0,000	59,130	10,870	69148,400	-69137,530
1244+0,00	0,000	2,770	0,000	55,970	10,870	69204,360	-69193,490
1245+0,00	0,000	2,710	0,000	54,710	10,870	69259,080	-69248,210
1246+0,00	0,000	2,370	0,000	50,760	10,870	69309,840	-69298,970
1247+0,00	0,000	2,650	0,000	50,220	10,870	69360,050	-69349,180
1248+0,00	0,000	2,910	0,000	55,620	10,870	69415,670	-69404,800
1249+0,00	0,000	3,010	0,000	59,230	10,870	69474,900	-69464,030
1250+0,00	0,000	2,720	0,000	57,350	10,870	69532,260	-69521,390
1251+0,00	0,000	3,730	0,000	64,840	10,870	69597,100	-69586,230
1252+0,00	0,000	2,990	0,000	67,190	10,870	69664,280	-69653,410
1253+0,00	0,000	3,110	0,000	61,150	10,870	69725,430	-69714,560
1254+0,00	0,000	3,100	0,000	62,120	10,870	69787,550	-69776,680
1255+0,00	0,000	3,070	0,000	61,690	10,870	69849,240	-69838,370
1256+0,00	0,000	3,040	0,000	60,410	10,870	69909,650	-69898,780
1257+0,00	0,000	2,950	0,000	59,380	10,870	69969,030	-69958,160
1258+0,00	0,000	3,090	0,000	60,470	10,870	70029,500	-70018,630
1259+0,00	0,000	3,110	0,000	62,030	10,870	70091,530	-70080,660
1260+0,00	0,000	3,190	0,000	62,950	10,870	70154,470	-70143,600
1261+0,00	0,000	3,110	0,000	62,820	10,870	70217,300	-70206,430
1262+0,00	0,000	3,140	0,000	62,440	10,870	70279,730	-70268,860
1263+0,00	0,000	3,200	0,000	63,390	10,870	70343,130	-70332,260
1264+0,00	0,000	2,900	0,000	60,990	10,870	70404,120	-70393,250
1265+0,00	0,000	2,780	0,000	56,720	10,870	70460,840	-70449,970
1266+0,00	0,000	2,810	0,000	55,890	10,870	70516,730	-70505,860
1267+0,00	0,000	3,190	0,000	60,020	10,870	70576,750	-70565,880
1268+0,00	0,000	2,870	0,000	60,550	10,870	70637,300	-70626,430
1269+0,00	0,000	2,730	0,000	55,940	10,870	70693,240	-70682,370
1270+0,00	0,000	2,640	0,000	53,680	10,870	70746,920	-70736,050

Osvaldo Leôncio da Silva
Diretor da Diretoria de Programas
Projetos e Obras - DIOPRO
Secretaria de Infraestrutura

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1271+0,00	0,000	2,690	0,000	53,370	10,870	70800,280	-70789,410
1272+0,00	0,000	3,020	0,000	57,140	10,870	70857,420	-70846,550
1273+0,00	0,000	2,840	0,000	58,670	10,870	70916,100	-70905,230
1274+0,00	0,000	2,900	0,000	57,400	10,870	70973,490	-70962,620
1275+0,00	0,000	2,780	0,000	56,750	10,870	71030,250	-71019,380
1276+0,00	0,000	2,620	0,000	53,990	10,870	71084,230	-71073,360
1277+0,00	0,000	2,190	0,000	48,080	10,870	71132,310	-71121,440
1278+0,00	0,000	2,750	0,000	49,450	10,870	71181,760	-71170,890
1279+0,00	0,000	3,060	0,000	58,170	10,870	71239,930	-71229,060
1280+0,00	0,000	3,090	0,000	61,480	10,870	71301,410	-71290,540
1281+0,00	0,000	3,760	0,000	68,440	10,870	71369,850	-71358,980
1282+0,00	0,000	3,110	0,000	68,710	10,870	71438,560	-71427,690
1283+0,00	0,000	2,530	0,000	56,450	10,870	71495,010	-71484,140
1284+0,00	0,000	1,750	0,000	42,800	10,870	71537,810	-71526,940
1285+0,00	0,000	2,130	0,000	38,780	10,870	71576,580	-71565,710
1286+0,00	0,000	2,660	0,000	47,870	10,870	71624,460	-71613,590
1287+0,00	0,000	2,920	0,000	55,870	10,870	71680,330	-71669,460
1288+0,00	0,000	2,950	0,000	58,570	10,870	71738,900	-71728,030
1289+0,00	0,000	3,530	0,000	64,800	10,870	71803,690	-71792,820
1290+0,00	0,000	3,820	0,000	73,500	10,870	71877,190	-71866,320
1291+0,00	0,000	3,610	0,000	74,310	10,870	71951,510	-71940,640
1292+0,00	0,000	2,810	0,000	64,220	10,870	72015,730	-72004,860
1293+0,00	0,000	2,360	0,000	51,700	10,870	72067,430	-72056,560
1294+0,00	0,000	2,910	0,000	52,740	10,870	72120,170	-72109,300
1295+0,00	0,000	3,110	0,000	59,980	10,870	72180,150	-72169,280
1296+0,00	0,000	3,080	0,000	61,880	10,870	72242,030	-72231,160
1297+0,00	0,000	2,720	0,000	57,970	10,870	72300,000	-72289,130
1298+0,00	0,000	1,970	0,030	46,970	10,910	72346,970	-72336,060
1299+0,00	0,010	2,170	0,170	40,630	11,080	72387,600	-72376,520
1300+0,00	0,000	3,000	0,130	51,140	11,210	72438,730	-72427,520
1301+0,00	0,000	3,620	0,000	66,190	11,210	72504,930	-72493,720
1302+0,00	0,000	3,650	0,000	72,680	11,210	72577,600	-72566,390
1303+0,00	0,000	2,870	0,000	64,900	11,210	72642,500	-72631,290
1304+0,00	0,000	3,120	0,000	59,950	11,210	72702,460	-72691,250
1305+0,00	0,000	2,940	0,000	60,620	11,210	72763,080	-72751,870
1306+0,00	0,000	3,330	0,000	62,640	11,210	72825,710	-72814,500
1307+0,00	0,000	3,990	0,000	73,140	11,210	72898,860	-72887,650
1308+0,00	0,000	3,170	0,000	71,720	11,210	72970,570	-72959,360
1309+0,00	0,000	2,800	0,000	59,700	11,210	73030,270	-73019,060
1310+0,00	0,000	2,790	0,000	56,070	11,210	73086,340	-73075,130
1311+0,00	0,000	2,850	0,000	56,450	11,210	73142,790	-73131,580
1312+0,00	0,000	2,500	0,000	53,540	11,210	73196,330	-73185,120
1313+0,00	0,000	2,880	0,000	54,010	11,210	73250,340	-73239,130
1314+0,00	0,000	2,640	0,000	55,170	11,210	73305,510	-73294,300
1315+0,00	0,000	2,290	0,000	49,260	11,210	73354,770	-73343,560
1316+0,00	0,000	1,990	0,000	42,850	11,210	73397,620	-73386,410
1317+0,00	0,000	1,900	0,000	38,920	11,210	73436,530	-73425,320
1318+0,00	0,000	2,560	0,000	44,580	11,210	73481,110	-73469,900
1319+0,00	0,000	3,060	0,000	56,130	11,210	73537,240	-73526,030
1320+0,00	0,000	2,890	0,000	59,520	11,210	73596,760	-73585,550
1321+0,00	0,000	3,190	0,000	60,870	11,210	73657,630	-73646,420
1322+0,00	0,000	2,390	0,000	55,820	11,210	73713,450	-73702,240
1323+0,00	0,000	1,720	0,000	41,140	11,210	73754,580	-73743,370
1324+0,00	0,000	2,620	0,000	43,430	11,210	73798,010	-73786,800
1325+0,00	0,000	2,690	0,000	53,090	11,210	73851,100	-73839,890
1326+0,00	0,000	2,510	0,000	51,760	11,210	73902,860	-73891,650
1327+0,00	0,000	3,070	0,000	55,760	11,210	73958,620	-73947,410
1328+0,00	0,000	3,430	0,000	64,940	11,210	74023,560	-74012,350
1329+0,00	0,000	3,130	0,000	65,560	11,210	74089,120	-74077,910
1330+0,00	0,000	3,390	0,000	65,230	11,210	74154,360	-74143,150
1331+0,00	0,000	3,570	0,000	69,620	11,210	74223,980	-74212,770
1332+0,00	0,000	3,860	0,000	74,260	11,210	74298,240	-74287,030
1333+0,00	0,000	3,830	0,000	76,890	11,210	74375,120	-74363,910
1334+0,00	0,000	3,310	0,000	71,400	11,210	74446,520	-74435,310

Osvaldo Leoncio da Silva F
Diretor da Unidade de Projetos
Projetos e Obras - DER/SP
Secretaria de Logística e Transportes

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1335+0,00	0,000	2,810	0,000	61,150	11,210	74507,670	-74496,460
1336+0,00	0,000	2,210	0,000	50,200	11,210	74557,870	-74546,660
1337+0,00	0,000	2,060	0,000	42,660	11,210	74600,530	-74589,320
1338+0,00	0,000	2,790	0,000	48,460	11,210	74648,990	-74637,780
1339+0,00	0,000	2,550	0,000	53,340	11,210	74702,330	-74691,120
1340+0,00	0,000	2,690	0,000	52,370	11,210	74754,700	-74743,490
1341+0,00	0,000	2,860	0,000	55,540	11,210	74810,240	-74799,030
1342+0,00	0,000	2,900	0,000	57,630	11,210	74867,870	-74856,660
1343+0,00	0,000	2,570	0,000	54,660	11,210	74922,530	-74911,320
1344+0,00	0,000	2,240	0,000	48,080	11,210	74970,610	-74959,400
1345+0,00	0,000	3,150	0,000	53,900	11,210	75024,500	-75013,290
1346+0,00	0,000	2,470	0,000	56,200	11,210	75080,700	-75069,490
1347+0,00	0,000	2,020	0,000	44,950	11,210	75125,650	-75114,440
1348+0,00	0,000	2,500	0,000	45,360	11,210	75171,010	-75159,800
1349+0,00	0,000	2,730	0,000	52,210	11,210	75223,230	-75212,020
1350+0,00	0,000	1,890	0,000	46,390	11,210	75269,610	-75258,400
1351+0,00	0,000	1,590	0,000	34,810	11,210	75304,420	-75293,210
1352+0,00	0,000	2,090	0,000	36,720	11,210	75341,130	-75329,920
1353+0,00	0,000	2,600	0,000	46,840	11,210	75387,970	-75376,760
1354+0,00	0,000	2,830	0,000	54,240	11,210	75442,220	-75431,010
1355+0,00	0,000	2,750	0,000	55,720	11,210	75497,940	-75486,730
1356+0,00	0,000	1,740	0,000	44,880	11,210	75542,820	-75531,610
1357+0,00	0,000	2,160	0,000	38,990	11,210	75581,810	-75570,600
1358+0,00	0,000	2,190	0,000	43,570	11,210	75625,370	-75614,160
1359+0,00	0,000	2,480	0,000	46,630	11,210	75672,000	-75660,790
1360+0,00	0,000	2,770	0,000	52,570	11,210	75724,570	-75713,360
1361+0,00	0,000	2,820	0,000	55,910	11,210	75780,470	-75769,260
1362+0,00	0,000	2,820	0,000	56,440	11,210	75836,910	-75825,700
1363+0,00	0,000	2,870	0,000	56,910	11,210	75893,820	-75882,610
1364+0,00	0,000	3,220	0,000	60,880	11,210	75954,700	-75943,490
1365+0,00	0,000	3,160	0,000	63,750	11,210	76018,450	-76007,240
1366+0,00	0,000	2,960	0,000	61,120	11,210	76079,570	-76068,360
1367+0,00	0,000	2,930	0,000	58,910	11,210	76138,480	-76127,270
1368+0,00	0,000	2,910	0,000	58,270	11,210	76196,750	-76185,540
1369+0,00	0,000	2,920	0,000	58,270	11,210	76255,020	-76243,810
1370+0,00	0,000	2,940	0,000	58,540	11,210	76313,560	-76302,350
1371+0,00	0,000	2,850	0,000	57,740	11,210	76371,300	-76360,090
1372+0,00	0,000	3,040	0,000	58,740	11,210	76430,030	-76418,820
1373+0,00	0,000	3,650	0,000	66,880	11,210	76496,920	-76485,710
1374+0,00	0,000	2,930	0,000	65,810	11,210	76562,730	-76551,520
1375+0,00	0,000	2,190	0,000	51,170	11,210	76613,900	-76602,690
1376+0,00	0,000	2,510	0,000	47,020	11,210	76660,920	-76649,710
1377+0,00	0,000	3,450	0,000	59,600	11,210	76720,520	-76709,310
1378+0,00	0,000	3,280	0,000	67,490	11,210	76788,010	-76776,800
1379+0,00	0,000	3,080	0,000	63,710	11,210	76851,720	-76840,510
1380+0,00	0,000	2,880	0,000	59,570	11,210	76911,280	-76900,070
1381+0,00	0,000	1,720	0,000	45,950	11,210	76957,230	-76946,020
1382+0,00	0,000	2,430	0,000	41,420	11,210	76998,650	-76987,440
1383+0,00	0,000	2,630	0,000	50,560	11,210	77049,210	-77038,000
1384+0,00	0,000	2,580	0,000	52,070	11,210	77101,280	-77090,070
1385+0,00	0,000	2,830	0,000	53,920	11,210	77155,200	-77143,990
1386+0,00	0,000	2,660	0,000	54,760	11,210	77209,960	-77198,750
1387+0,00	0,000	2,300	0,000	49,440	11,210	77259,400	-77248,190
1388+0,00	0,000	2,350	0,000	46,540	11,210	77305,940	-77294,730
1389+0,00	0,000	2,510	0,000	48,670	11,210	77354,600	-77343,390
1390+0,00	0,000	2,210	0,000	47,220	11,210	77401,820	-77390,610
1391+0,00	0,000	1,720	0,000	39,240	11,210	77441,060	-77429,850
1392+0,00	0,000	2,250	0,000	39,700	11,210	77480,760	-77469,550
1393+0,00	0,000	2,510	0,000	47,610	11,210	77528,370	-77517,160
1394+0,00	0,000	2,900	0,000	54,120	11,210	77582,490	-77571,280
1395+0,00	0,000	2,870	0,000	57,720	11,210	77640,210	-77629,000
1396+0,00	0,000	2,780	0,000	56,570	11,210	77696,780	-77685,570
1397+0,00	0,000	2,740	0,000	55,260	11,210	77752,030	-77740,820
1398+0,00	0,000	2,690	0,000	54,330	11,210	77806,360	-77795,150

Osvaldo Leôncio da Silva [illegible]
Diretor da Unidade de Programas
Projetos e Obras - UGPPO
Secretaria [illegible]

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1399+0,00	0,000	2,770	0,000	54,540	11,210	77860,900	-77849,690
1400+0,00	0,000	2,820	0,000	55,830	11,210	77916,730	-77905,520
1401+0,00	0,000	2,910	0,000	57,350	11,210	77974,070	-77962,860
1402+0,00	0,000	2,720	0,000	56,330	11,210	78030,400	-78019,190
1403+0,00	0,000	2,870	0,000	55,930	11,210	78086,330	-78075,120
1404+0,00	0,000	2,960	0,000	58,340	11,210	78144,670	-78133,460
1405+0,00	0,000	3,110	0,000	60,780	11,210	78205,450	-78194,240
1406+0,00	0,000	3,190	0,000	63,050	11,210	78268,500	-78257,290
1407+0,00	0,000	3,180	0,000	63,730	11,210	78332,230	-78321,020
1408+0,00	0,000	3,020	0,000	62,010	11,210	78394,240	-78383,030
1409+0,00	0,000	2,620	0,000	56,430	11,210	78450,670	-78439,460
1410+0,00	0,000	2,450	0,000	50,770	11,210	78501,450	-78490,240
1411+0,00	0,000	2,760	0,000	52,090	11,210	78553,530	-78542,320
1412+0,00	0,000	2,500	0,000	52,600	11,210	78606,130	-78594,920
1413+0,00	0,000	2,900	0,000	54,080	11,210	78660,220	-78649,010
1414+0,00	0,000	3,070	0,000	59,750	11,210	78719,970	-78708,760
1415+0,00	0,000	3,310	0,000	63,780	11,210	78783,750	-78772,540
1416+0,00	0,000	2,830	0,000	61,330	11,210	78845,080	-78833,870
1417+0,00	0,000	2,870	0,000	56,970	11,210	78902,050	-78890,840
1418+0,00	0,000	2,360	0,000	52,250	11,210	78954,300	-78943,090
1419+0,00	0,000	2,340	0,000	46,960	11,210	79001,260	-78990,050
1420+0,00	0,000	2,880	0,000	52,240	11,210	79053,500	-79042,290
1421+0,00	0,000	2,840	0,000	57,300	11,210	79110,800	-79099,590
1422+0,00	0,000	2,830	0,000	56,710	11,210	79167,510	-79156,300
1423+0,00	0,000	2,890	0,000	57,160	11,210	79224,670	-79213,460
1424+0,00	0,000	3,410	0,000	62,970	11,210	79287,640	-79276,430
1425+0,00	0,000	3,830	0,000	72,450	11,210	79360,090	-79348,880
1426+0,00	0,000	3,030	0,000	68,660	11,210	79428,750	-79417,540
1427+0,00	0,000	2,860	0,000	58,880	11,210	79487,620	-79476,410
1428+0,00	0,000	2,760	0,000	56,180	11,210	79543,810	-79532,600
1429+0,00	0,000	3,310	0,000	60,720	11,210	79604,520	-79593,310
1430+0,00	0,000	4,630	0,000	79,420	11,210	79683,950	-79672,740
1431+0,00	0,000	3,300	0,000	79,370	11,210	79763,320	-79752,110
1432+0,00	0,000	3,050	0,000	63,520	11,210	79826,840	-79815,630
1433+0,00	0,000	3,070	0,000	61,190	11,210	79888,040	-79876,830
1434+0,00	0,000	3,160	0,000	62,290	11,210	79950,330	-79939,120
1435+0,00	0,000	2,440	0,000	55,950	11,210	80006,280	-79995,070
1436+0,00	0,000	2,850	0,000	52,880	11,210	80059,160	-80047,950
1437+0,00	0,000	2,420	0,000	52,710	11,210	80111,870	-80100,660
1438+0,00	0,000	2,600	0,000	50,290	11,210	80162,160	-80150,950
1439+0,00	0,000	2,790	0,000	53,920	11,210	80216,080	-80204,870
1440+0,00	0,000	2,650	0,000	54,400	11,210	80270,470	-80259,260
1441+0,00	0,000	2,630	0,000	52,820	11,210	80323,300	-80312,090
1442+0,00	0,000	2,460	0,000	50,930	11,210	80374,220	-80363,010
1443+0,00	0,000	3,060	0,000	55,180	11,210	80429,400	-80418,190
1444+0,00	0,000	2,890	0,000	59,440	11,210	80488,840	-80477,630
1445+0,00	0,000	2,660	0,000	55,520	11,210	80544,360	-80533,150
1446+0,00	0,000	2,870	0,000	55,330	11,210	80599,690	-80588,480
1447+0,00	0,000	2,910	0,000	57,780	11,210	80657,470	-80646,260
1448+0,00	0,000	2,810	0,000	57,170	11,210	80714,640	-80703,430
1449+0,00	0,000	3,530	0,000	63,360	11,210	80778,010	-80766,800
1450+0,00	0,000	3,040	0,000	65,690	11,210	80843,690	-80832,480
1451+0,00	0,000	2,500	0,000	55,440	11,210	80899,130	-80887,920
1452+0,00	0,000	2,890	0,000	53,900	11,210	80953,030	-80941,820
1453+0,00	0,000	3,540	0,000	64,300	11,210	81017,330	-81006,120
1454+0,00	0,000	3,070	0,000	66,110	11,210	81083,440	-81072,230
1455+0,00	0,000	3,010	0,000	60,690	11,210	81144,130	-81132,920
1456+0,00	0,000	2,970	0,000	59,790	11,210	81203,920	-81192,710
1457+0,00	0,000	3,000	0,000	59,690	11,210	81263,610	-81252,400
1458+0,00	0,000	3,010	0,000	59,790	11,210	81323,400	-81312,190
1459+0,00	0,000	3,160	0,000	61,350	11,210	81384,740	-81373,530
1460+0,00	0,000	3,130	0,000	62,950	11,210	81447,690	-81436,480
1461+0,00	0,000	2,680	0,000	58,010	11,210	81505,710	-81494,500
1462+0,00	0,000	2,870	0,000	55,460	11,210	81561,170	-81549,960

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DERPO
Secretaria

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1463+0,00	0,000	2,890	0,000	57,600	11,210	81618,770	-81607,560
1464+0,00	0,000	2,950	0,000	58,400	11,210	81677,170	-81665,960
1465+0,00	0,000	3,330	0,000	62,790	11,210	81739,960	-81728,750
1466+0,00	0,000	3,530	0,000	68,660	11,210	81808,620	-81797,410
1467+0,00	0,000	3,070	0,000	65,980	11,210	81874,600	-81863,390
1468+0,00	0,000	2,450	0,000	55,190	11,210	81929,780	-81918,570
1469+0,00	0,000	2,740	0,000	51,870	11,210	81981,650	-81970,440
1470+0,00	0,000	2,300	0,000	50,330	11,210	82031,980	-82020,770
1471+0,00	0,000	1,580	0,000	38,780	11,210	82070,760	-82059,550
1472+0,00	0,000	1,620	0,000	32,030	11,210	82102,790	-82091,580
1473+0,00	0,000	1,580	0,000	32,040	11,210	82134,830	-82123,620
1474+0,00	0,000	2,980	0,000	45,630	11,210	82180,460	-82169,250
1475+0,00	0,000	2,800	0,000	57,940	11,210	82238,400	-82227,190
1476+0,00	0,000	2,720	0,000	55,340	11,210	82293,730	-82282,520
1477+0,00	0,000	3,200	0,000	59,160	11,210	82352,900	-82341,690
1478+0,00	0,000	2,820	0,000	60,210	11,210	82413,110	-82401,900
1479+0,00	0,000	2,930	0,000	57,570	11,210	82470,670	-82459,460
1480+0,00	0,000	2,750	0,000	56,780	11,210	82527,450	-82516,240
1481+0,00	0,000	2,830	0,000	55,790	11,210	82583,250	-82572,040
1482+0,00	0,000	3,220	0,000	60,540	11,210	82643,780	-82632,570
1483+0,00	0,000	3,430	0,000	66,710	11,210	82710,490	-82699,280
1484+0,00	0,000	3,200	0,000	66,390	11,210	82776,880	-82765,670
1485+0,00	0,000	2,980	0,000	61,860	11,210	82838,730	-82827,520
1486+0,00	0,000	2,430	0,000	54,120	11,210	82892,860	-82881,650
1487+0,00	0,000	1,720	0,000	41,510	11,210	82934,370	-82923,160
1488+0,00	0,000	1,690	0,000	34,110	11,210	82968,470	-82957,260
1489+0,00	0,000	2,160	0,000	38,440	11,210	83006,910	-82995,700
1490+0,00	0,000	2,360	0,000	45,060	11,210	83051,970	-83040,760
1491+0,00	0,000	2,130	0,000	44,770	11,210	83096,730	-83085,520
1492+0,00	0,000	2,420	0,000	45,470	11,210	83142,200	-83130,990
1493+0,00	0,000	2,720	0,000	51,370	11,210	83193,570	-83182,360
1494+0,00	0,000	2,510	0,000	52,240	11,210	83245,810	-83234,600
1495+0,00	0,000	1,990	0,000	45,040	11,210	83290,850	-83279,640
1496+0,00	0,000	2,770	0,000	47,680	11,210	83338,530	-83327,320
1497+0,00	0,000	2,850	0,000	56,220	11,210	83394,740	-83383,530
1498+0,00	0,000	2,850	0,000	56,980	11,210	83451,720	-83440,510
1499+0,00	0,000	2,790	0,000	56,410	11,210	83508,130	-83496,920
1500+0,00	0,000	2,750	0,000	55,460	11,210	83563,590	-83552,380
1501+0,00	0,000	2,950	0,000	57,010	11,210	83620,600	-83609,390
1502+0,00	0,000	2,950	0,000	58,950	11,210	83679,550	-83668,340
1503+0,00	0,000	2,790	0,000	57,330	11,210	83736,870	-83725,660
1504+0,00	0,000	3,170	0,000	59,580	11,210	83796,460	-83785,250
1505+0,00	0,000	2,930	0,000	61,080	11,210	83857,540	-83846,330
1506+0,00	0,000	3,080	0,000	60,180	11,210	83917,720	-83906,510
1507+0,00	0,000	3,080	0,000	61,620	11,210	83979,340	-83968,130
1508+0,00	0,000	3,260	0,000	63,310	11,210	84042,650	-84031,440
1509+0,00	0,000	2,570	0,000	58,300	11,210	84100,950	-84089,740
1510+0,00	0,000	2,870	0,000	54,410	11,210	84155,360	-84144,150
1511+0,00	0,000	2,650	0,000	55,120	11,210	84210,480	-84199,270
1512+0,00	0,000	2,900	0,000	55,420	11,210	84265,890	-84254,680
1513+0,00	0,000	2,680	0,000	55,750	11,210	84321,650	-84310,440
1514+0,00	0,000	3,060	0,000	57,310	11,210	84378,960	-84367,750
1515+0,00	0,000	3,160	0,000	61,920	11,210	84440,880	-84429,670
1516+0,00	0,000	2,650	0,000	58,050	11,210	84498,930	-84487,720
1517+0,00	0,000	3,140	0,000	57,830	11,210	84556,760	-84545,550
1518+0,00	0,000	2,990	0,000	61,990	11,210	84618,760	-84607,550
1519+0,00	0,000	3,090	0,000	61,100	11,210	84679,860	-84668,650
1520+0,00	0,000	2,190	0,000	52,910	11,210	84732,770	-84721,560
1521+0,00	0,000	2,460	0,000	46,560	11,210	84779,330	-84768,120
1522+0,00	0,000	2,130	0,000	45,900	11,210	84825,230	-84814,020
1523+0,00	0,000	2,700	0,000	48,340	11,210	84873,570	-84862,360
1524+0,00	0,000	2,710	0,000	54,130	11,210	84927,700	-84916,490
1525+0,00	0,000	2,640	0,000	53,520	11,210	84981,230	-84970,020
1526+0,00	0,000	2,660	0,000	52,990	11,210	85034,210	-85023,000

Osvaldo Ledocio da Silva
Diretor da Unidade de Projetos
Projetos e Obras - Estrada
Secretaria

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1527+0,00	0,000	2,800	0,000	54,700	11,210	85088,920	-85077,710
1528+0,00	0,000	3,380	0,000	62,070	11,210	85150,980	-85139,770
1529+0,00	0,000	2,880	0,000	62,630	11,210	85213,610	-85202,400
1530+0,00	0,000	2,960	0,000	58,480	11,210	85272,090	-85260,880
1531+0,00	0,000	2,230	0,000	52,000	11,210	85324,090	-85312,880
1532+0,00	0,000	1,910	0,000	41,390	11,210	85365,480	-85354,270
1533+0,00	0,000	2,760	0,000	46,670	11,210	85412,150	-85400,940
1534+0,00	0,000	2,860	0,000	56,200	11,210	85468,350	-85457,140
1535+0,00	0,000	2,190	0,000	50,550	11,210	85518,890	-85507,680
1536+0,00	0,000	2,040	0,000	42,340	11,210	85561,230	-85550,020
1537+0,00	0,000	2,050	0,000	40,900	11,210	85602,130	-85590,920
1538+0,00	0,000	2,380	0,000	44,300	11,210	85646,430	-85635,220
1539+0,00	0,000	3,270	0,000	56,500	11,210	85702,920	-85691,710
1540+0,00	0,000	3,730	0,000	69,960	11,210	85772,890	-85761,680
1541+0,00	0,000	2,840	0,000	65,730	11,210	85838,620	-85827,410
1542+0,00	0,000	3,170	0,000	60,190	11,210	85898,820	-85887,610
1543+0,00	0,000	1,830	0,000	50,000	11,210	85948,820	-85937,610
1544+0,00	0,000	3,100	0,000	49,310	11,210	85998,130	-85986,920
1545+0,00	0,000	3,150	0,000	62,580	11,210	86060,700	-86049,490
1546+0,00	0,000	1,970	0,000	51,250	11,210	86111,950	-86100,740
1547+0,00	0,000	3,490	0,000	54,600	11,210	86166,550	-86155,340
1548+0,00	0,000	3,420	0,000	69,100	11,210	86235,650	-86224,440
1549+0,00	0,000	3,140	0,000	65,650	11,210	86301,300	-86290,090
1550+0,00	0,000	3,810	0,000	69,460	11,210	86370,760	-86359,550
1551+0,00	0,000	3,430	0,000	72,370	11,210	86443,130	-86431,920
1552+0,00	0,000	3,310	0,000	67,450	11,210	86510,580	-86499,370
1553+0,00	0,000	2,920	0,000	62,270	11,210	86572,850	-86561,640
1554+0,00	0,000	2,700	0,000	56,170	11,210	86629,020	-86617,810
1555+0,00	0,000	2,730	0,000	54,320	11,210	86683,340	-86672,130
1556+0,00	0,000	3,130	0,000	58,630	11,210	86741,960	-86730,750
1557+0,00	0,000	3,010	0,000	61,420	11,210	86803,380	-86792,170
1558+0,00	0,000	2,940	0,000	59,480	11,210	86862,860	-86851,650
1559+0,00	0,000	2,820	0,000	57,460	11,210	86920,320	-86909,110
1560+0,00	0,000	2,970	0,000	57,920	11,210	86978,240	-86967,030
1561+0,00	0,000	3,130	0,000	60,960	11,210	87039,190	-87027,980
1562+0,00	0,000	2,990	0,000	61,210	11,210	87100,400	-87089,190
1563+0,00	0,000	3,090	0,000	60,800	11,210	87161,200	-87149,990
1564+0,00	0,000	3,010	0,000	60,980	11,210	87222,180	-87210,970
1565+0,00	0,000	3,120	0,000	61,340	11,210	87283,520	-87272,310
1566+0,00	0,000	2,650	0,000	57,580	11,210	87341,100	-87329,890
1567+0,00	0,000	2,750	0,000	53,980	11,210	87395,070	-87383,860
1568+0,00	0,000	3,000	0,000	57,440	11,210	87452,510	-87441,300
1569+0,00	0,000	2,450	0,000	54,340	11,210	87506,860	-87495,650
1570+0,00	0,000	2,950	0,000	54,060	11,210	87560,920	-87549,710
1571+0,00	0,000	2,090	0,000	50,780	11,210	87611,700	-87600,490
1572+0,00	0,000	2,530	0,000	46,460	11,210	87658,160	-87646,950
1573+0,00	0,000	2,820	0,000	53,880	11,210	87712,040	-87700,830
1574+0,00	0,000	2,570	0,000	53,850	11,210	87765,890	-87754,680
1575+0,00	0,000	2,900	0,000	55,030	11,210	87820,920	-87809,710
1576+0,00	0,000	3,050	0,000	59,780	11,210	87880,700	-87869,490
1577+0,00	0,000	3,010	0,000	60,570	11,210	87941,270	-87930,060
1578+0,00	0,000	3,410	0,000	64,600	11,210	88005,880	-87994,670
1579+0,00	0,000	3,540	0,000	69,440	11,210	88075,320	-88064,110
1580+0,00	0,000	3,230	0,000	67,710	11,210	88143,030	-88131,820
1581+0,00	0,000	3,140	0,000	63,690	11,210	88206,720	-88195,510
1582+0,00	0,000	2,800	0,000	59,320	11,210	88266,040	-88254,830
1583+0,00	0,000	2,730	0,000	55,150	11,210	88321,180	-88309,970
1584+0,00	0,000	2,700	0,000	54,350	11,210	88375,530	-88364,320
1585+0,00	0,000	2,660	0,000	53,600	11,210	88429,130	-88417,920
1586+0,00	0,000	2,490	0,000	51,440	11,210	88480,560	-88469,350
1587+0,00	0,000	2,680	0,000	51,660	11,210	88532,220	-88521,010
1588+0,00	0,000	2,830	0,000	55,060	11,210	88587,270	-88576,060
1589+0,00	0,000	2,750	0,000	55,660	11,210	88642,940	-88631,730
1590+0,00	0,000	2,810	0,000	55,620	11,210	88698,560	-88687,350

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades (Secid)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1591+0,00	0,000	3,030	0,000	58,490	11,210	88757,050	-88745,840
1592+0,00	0,000	3,160	0,000	61,890	11,210	88818,940	-88807,730
1593+0,00	0,000	3,240	0,000	63,990	11,210	88882,930	-88871,720
1594+0,00	0,000	3,100	0,000	63,470	11,210	88946,400	-88935,190
1595+0,00	0,000	2,810	0,000	59,140	11,210	89005,540	-88994,330
1596+0,00	0,000	2,790	0,000	56,020	11,210	89061,550	-89050,340
1597+0,00	0,000	3,060	0,000	58,490	11,210	89120,040	-89108,830
1598+0,00	0,000	3,170	0,000	62,360	11,210	89182,400	-89171,190
1599+0,00	0,000	3,060	0,000	62,330	11,210	89244,730	-89233,520
1600+0,00	0,000	3,020	0,000	60,870	11,210	89305,600	-89294,390
1601+0,00	0,000	2,760	0,000	57,830	11,210	89363,430	-89352,220
1602+0,00	0,000	2,720	0,000	54,960	11,210	89418,390	-89407,180
1603+0,00	0,000	2,700	0,000	54,340	11,210	89472,740	-89461,530
1604+0,00	0,000	2,470	0,000	51,840	11,210	89524,580	-89513,370
1605+0,00	0,000	3,310	0,000	57,780	11,210	89582,350	-89571,140
1606+0,00	0,000	2,410	0,000	57,240	11,210	89639,590	-89628,380
1607+0,00	0,000	2,910	0,000	53,270	11,210	89692,860	-89681,650
1608+0,00	0,000	2,670	0,000	55,790	11,210	89748,650	-89737,440
1609+0,00	0,000	2,500	0,000	51,700	11,210	89800,350	-89789,140
1610+0,00	0,000	2,380	0,000	48,850	11,210	89849,200	-89837,990
1611+0,00	0,000	3,530	0,000	59,140	11,210	89908,340	-89897,130
1612+0,00	0,000	2,720	0,000	62,530	11,210	89970,870	-89959,660
1613+0,00	0,000	3,050	0,000	57,720	11,210	90028,590	-90017,380
1614+0,00	0,000	2,770	0,000	58,140	11,210	90086,730	-90075,520
1615+0,00	0,000	2,650	0,000	53,980	11,210	90140,710	-90129,500
1616+0,00	0,000	2,820	0,000	54,100	11,210	90194,810	-90183,600
1617+0,00	0,000	2,840	0,000	56,610	11,210	90251,420	-90240,210
1618+0,00	0,000	2,850	0,000	56,920	11,210	90308,340	-90297,130
1619+0,00	0,000	2,940	0,000	57,860	11,210	90366,200	-90354,990
1620+0,00	0,000	2,910	0,000	58,550	11,210	90424,750	-90413,540
1621+0,00	0,000	2,920	0,000	58,320	11,210	90483,070	-90471,860
1622+0,00	0,000	2,520	0,000	54,380	11,210	90537,460	-90526,250
1623+0,00	0,000	2,520	0,000	50,410	11,210	90587,870	-90576,660
1624+0,00	0,000	2,690	0,000	52,120	11,210	90639,990	-90628,780
1625+0,00	0,000	2,720	0,000	54,050	11,210	90694,030	-90682,820
1626+0,00	0,000	3,480	0,000	61,970	11,210	90756,000	-90744,790
1627+0,00	0,000	3,050	0,000	65,240	11,210	90821,240	-90810,030
1628+0,00	0,000	3,000	0,000	60,470	11,210	90881,720	-90870,510
1629+0,00	0,000	3,160	0,000	61,570	11,210	90943,290	-90932,080
1630+0,00	0,000	2,920	0,000	60,920	11,210	91004,210	-90993,000
1631+0,00	0,000	2,950	0,000	58,870	11,210	91063,080	-91051,870
1632+0,00	0,000	2,990	0,000	59,450	11,210	91122,530	-91111,320
1633+0,00	0,000	3,210	0,000	61,990	11,210	91184,520	-91173,310
1634+0,00	0,000	2,810	0,000	60,230	11,210	91244,750	-91233,540
1635+0,00	0,000	2,640	0,000	54,550	11,210	91299,310	-91288,100
1636+0,00	0,000	2,820	0,000	54,680	11,210	91353,990	-91342,780
1637+0,00	0,000	3,120	0,000	59,380	11,210	91413,370	-91402,160
1638+0,00	0,000	2,920	0,000	60,410	11,210	91473,780	-91462,570
1639+0,00	0,000	3,110	0,000	60,300	11,210	91534,080	-91522,870
1640+0,00	0,000	2,810	0,000	59,290	11,210	91593,370	-91582,160
1641+0,00	0,000	2,830	0,000	56,610	11,210	91649,970	-91638,760
1642+0,00	0,000	2,810	0,000	56,430	11,210	91706,400	-91695,190
1643+0,00	0,000	2,900	0,000	57,030	11,210	91763,430	-91752,220
1644+0,00	0,000	3,180	0,000	60,800	11,210	91824,230	-91813,020
1645+0,00	0,000	2,860	0,000	60,610	11,210	91884,840	-91873,630
1646+0,00	0,000	2,880	0,000	57,420	11,210	91942,260	-91931,050
1647+0,00	0,000	3,680	0,000	65,600	11,210	92007,860	-91996,650
1648+0,00	0,000	3,050	0,000	67,330	11,210	92075,190	-92063,980
1649+0,00	0,000	3,160	0,000	62,170	11,210	92137,360	-92126,150
1650+0,00	0,000	3,130	0,000	62,490	11,210	92199,850	-92188,640
1651+0,00	0,000	2,510	0,000	55,460	11,210	92255,310	-92244,100
1652+0,00	0,000	2,820	0,000	52,430	11,210	92307,740	-92296,530
1653+0,00	0,000	2,780	0,000	56,020	11,210	92363,760	-92352,550
1654+0,00	0,000	2,820	0,000	55,810	11,210	92419,570	-92408,360

Osvaldo Leôncio da Silva Neto
Diretor da Unidade de Projetos
Projetos e Obras - DUPRO
Secretaria de Obras

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1655+0,00	0,000	2,820	0,000	56,080	11,210	92475,650	-92464,440
1656+0,00	0,000	2,690	0,000	55,110	11,210	92530,760	-92519,550
1657+0,00	0,000	2,730	0,000	54,080	11,210	92584,840	-92573,630
1658+0,00	0,000	2,810	0,000	55,370	11,210	92640,210	-92629,000
1659+0,00	0,000	2,520	0,000	53,270	11,210	92693,480	-92682,270
1660+0,00	0,000	3,080	0,000	55,990	11,210	92749,470	-92738,260
1661+0,00	0,000	3,000	0,000	60,830	11,210	92810,300	-92799,090
1662+0,00	0,000	2,550	0,000	55,480	11,210	92865,780	-92854,570
1663+0,00	0,000	2,320	0,000	48,630	11,210	92914,410	-92903,200
1664+0,00	0,000	2,720	0,000	50,340	11,210	92964,760	-92953,550
1665+0,00	0,000	2,720	0,000	54,330	11,210	93019,090	-93007,880
1666+0,00	0,000	3,070	0,000	57,880	11,210	93076,970	-93065,760
1667+0,00	0,000	2,970	0,000	60,530	11,210	93137,500	-93126,290
1668+0,00	0,000	3,180	0,000	61,660	11,210	93199,160	-93187,950
1669+0,00	0,000	3,160	0,000	63,440	11,210	93262,590	-93251,380
1670+0,00	0,000	2,750	0,000	59,240	11,210	93321,840	-93310,630
1671+0,00	0,000	3,000	0,000	57,550	11,210	93379,380	-93368,170
1672+0,00	0,000	2,920	0,000	59,230	11,210	93438,610	-93427,400
1673+0,00	0,000	2,990	0,000	59,100	11,210	93497,710	-93486,500
1674+0,00	0,000	2,910	0,000	59,050	11,210	93556,750	-93545,540
1675+0,00	0,000	2,900	0,000	58,110	11,210	93614,870	-93603,660
1676+0,00	0,000	2,470	0,000	53,830	11,210	93668,700	-93657,490
1677+0,00	0,000	2,650	0,000	51,130	11,210	93719,830	-93708,620
1678+0,00	0,000	2,940	0,000	55,820	11,210	93775,650	-93764,440
1679+0,00	0,000	3,000	0,000	59,300	11,210	93834,960	-93823,750
1680+0,00	0,000	2,970	0,000	59,650	11,210	93894,610	-93883,400
1681+0,00	0,000	2,950	0,000	59,180	11,210	93953,780	-93942,570
1682+0,00	0,000	2,900	0,000	58,530	11,210	94012,320	-94001,110
1683+0,00	0,000	2,900	0,000	58,010	11,210	94070,330	-94059,120
1684+0,00	0,000	2,830	0,000	57,300	11,210	94127,630	-94116,420
1685+0,00	0,000	2,790	0,000	56,180	11,210	94183,810	-94172,600
1686+0,00	0,000	2,870	0,000	56,650	11,210	94240,460	-94229,250
1687+0,00	0,000	3,010	0,000	58,910	11,210	94299,370	-94288,160
1688+0,00	0,000	2,870	0,000	58,720	11,210	94358,090	-94346,880
1689+0,00	0,000	2,890	0,000	57,540	11,210	94415,630	-94404,420
1690+0,00	0,000	2,370	0,000	52,650	11,210	94468,280	-94457,070
1691+0,00	0,000	2,510	0,000	48,820	11,210	94517,110	-94505,900
1692+0,00	0,000	3,160	0,000	56,720	11,210	94573,830	-94562,620
1693+0,00	0,000	3,220	0,000	63,840	11,210	94637,670	-94626,460
1694+0,00	0,000	3,000	0,000	62,260	11,210	94699,930	-94688,720
1695+0,00	0,000	2,620	0,000	56,210	11,210	94756,140	-94744,930
1696+0,00	0,000	2,340	0,000	49,570	11,210	94805,710	-94794,500
1697+0,00	0,000	2,670	0,000	50,050	11,210	94855,760	-94844,550
1698+0,00	0,000	2,610	0,000	52,770	11,210	94908,530	-94897,320
1699+0,00	0,000	2,900	0,000	55,050	11,210	94963,580	-94952,370
1700+0,00	0,000	2,510	0,000	54,030	11,210	95017,610	-95006,400
1701+0,00	0,000	2,420	0,000	49,310	11,210	95066,920	-95055,710
1702+0,00	0,000	2,700	0,000	51,230	11,210	95118,150	-95106,940
1703+0,00	0,000	2,680	0,000	53,720	11,210	95171,870	-95160,660
1704+0,00	0,000	2,610	0,000	52,900	11,210	95224,770	-95213,560
1705+0,00	0,000	2,730	0,000	53,390	11,210	95278,160	-95266,950
1706+0,00	0,000	2,760	0,000	54,830	11,210	95332,990	-95321,780
1707+0,00	0,000	2,890	0,000	56,490	11,210	95389,480	-95378,270
1708+0,00	0,000	3,230	0,000	61,170	11,210	95450,650	-95439,440
1709+0,00	0,000	3,390	0,000	66,160	11,210	95516,810	-95505,600
1710+0,00	0,000	2,850	0,000	62,370	11,210	95579,180	-95567,970
1711+0,00	0,000	2,620	0,000	54,710	11,210	95633,880	-95622,670
1712+0,00	0,000	2,880	0,000	54,990	11,210	95688,870	-95677,660
1713+0,00	0,000	3,260	0,000	61,370	11,210	95750,240	-95739,030
1714+0,00	0,000	3,100	0,000	63,600	11,210	95813,840	-95802,630
1715+0,00	0,000	2,990	0,000	60,940	11,210	95874,780	-95863,570
1716+0,00	0,000	2,870	0,000	58,660	11,210	95933,450	-95922,240
1717+0,00	0,000	2,920	0,000	57,940	11,210	95991,390	-95980,180
1718+0,00	0,000	3,050	0,000	59,740	11,210	96051,130	-96039,920

Osvaldo Leôncio da Silva F...
Diretor da [illegible] Projetos
Projetos e Obras - DEPRO
Secretaria das Cidades [illegible]

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Liquido (m3)
1719+0,00	0,000	3,090	0,000	61,390	11,210	96112,520	-96101,310
1720+0,00	0,000	2,830	0,000	59,160	11,210	96171,680	-96160,470
1721+0,00	0,000	2,530	0,000	53,580	11,210	96225,260	-96214,050
1722+0,00	0,000	2,730	0,000	52,540	11,210	96277,810	-96266,600
1723+0,00	0,000	2,560	0,000	52,920	11,210	96330,720	-96319,510
1724+0,00	0,000	2,750	0,000	53,090	11,210	96383,810	-96372,600
1725+0,00	0,000	2,850	0,000	55,960	11,210	96439,770	-96428,560
1726+0,00	0,000	3,030	0,000	58,780	11,210	96498,560	-96487,350
1727+0,00	0,000	3,340	0,000	63,680	11,210	96562,240	-96551,030
1728+0,00	0,000	3,490	0,000	68,260	11,210	96630,500	-96619,290
1729+0,00	0,000	3,160	0,000	66,480	11,210	96696,970	-96685,760
1730+0,00	0,000	3,140	0,000	63,010	11,210	96759,980	-96748,770
1731+0,00	0,000	2,960	0,000	60,990	11,210	96820,970	-96809,760
1732+0,00	0,000	3,120	0,000	60,780	11,210	96881,740	-96870,530
1733+0,00	0,000	2,910	0,000	60,310	11,210	96942,050	-96930,850
1734+0,00	0,000	2,630	0,000	55,390	11,210	96997,440	-96986,230
1735+0,00	0,000	2,420	0,000	50,480	11,210	97047,920	-97036,710
1736+0,00	0,000	2,930	0,000	53,430	11,210	97101,360	-97090,150
1737+0,00	0,000	2,910	0,000	58,340	11,210	97159,690	-97148,480
1738+0,00	0,000	2,880	0,000	57,910	11,210	97217,600	-97206,390
1739+0,00	0,000	2,900	0,000	57,810	11,210	97275,410	-97264,200
1740+0,00	0,000	2,850	0,000	57,440	11,210	97332,860	-97321,650
1741+0,00	0,000	3,020	0,000	58,630	11,210	97391,490	-97380,280
1742+0,00	0,000	2,920	0,000	59,350	11,210	97450,840	-97439,630
1743+0,00	0,000	2,950	0,000	58,680	11,210	97509,520	-97498,310
1744+0,00	0,000	2,870	0,000	58,190	11,210	97567,710	-97556,500
1745+0,00	0,000	2,860	0,000	57,300	11,210	97625,010	-97613,800
1746+0,00	0,000	2,940	0,000	57,960	11,210	97682,980	-97671,770
1747+0,00	0,000	2,860	0,000	57,940	11,210	97740,910	-97729,700
1748+0,00	0,000	2,390	0,000	52,450	11,210	97793,360	-97782,150
1749+0,00	0,000	2,810	0,000	52,010	11,210	97845,380	-97834,170
1750+0,00	0,000	3,210	0,000	60,270	11,210	97905,650	-97894,440
1751+0,00	0,000	2,890	0,000	61,000	11,210	97966,660	-97955,450
1752+0,00	0,000	3,000	0,000	58,930	11,210	98025,590	-98014,380
1753+0,00	0,000	2,980	0,000	59,810	11,210	98085,410	-98074,200
1754+0,00	0,000	2,930	0,000	59,040	11,210	98144,440	-98133,230
1755+0,00	0,000	2,920	0,000	58,460	11,210	98202,900	-98191,690
1756+0,00	0,000	3,090	0,000	60,080	11,210	98262,990	-98251,780
1757+0,00	0,000	2,900	0,000	59,870	11,210	98322,860	-98311,650
1758+0,00	0,000	2,680	0,000	55,740	11,210	98378,600	-98367,390
1759+0,00	0,000	2,690	0,000	53,610	11,210	98432,210	-98421,000
1760+0,00	0,000	2,500	0,000	51,850	11,210	98484,060	-98472,850
1761+0,00	0,000	2,800	0,000	53,000	11,210	98537,060	-98525,850
1762+0,00	0,000	2,660	0,000	54,610	11,210	98591,670	-98580,460
1763+0,00	0,000	2,780	0,000	54,410	11,210	98646,090	-98634,880
1764+0,00	0,000	2,990	0,000	57,730	11,210	98703,810	-98692,600
1765+0,00	0,000	3,090	0,000	60,850	11,210	98764,660	-98753,450
1766+0,00	0,000	2,890	0,000	59,790	11,210	98824,450	-98813,240
1767+0,00	0,000	2,830	0,000	57,180	11,210	98881,630	-98870,420
1768+0,00	0,000	1,980	0,000	48,110	11,210	98929,730	-98918,520
1769+0,00	0,000	2,140	0,000	41,170	11,210	98970,900	-98959,690
1770+0,00	0,000	2,310	0,000	44,480	11,210	99015,380	-99004,170
1771+0,00	0,000	2,840	0,000	51,500	11,210	99066,880	-99055,670
1772+0,00	0,000	1,470	0,000	43,140	11,210	99110,020	-99098,810
1773+0,00	0,000	2,190	0,000	36,650	11,210	99146,660	-99135,450
1774+0,00	0,000	2,890	0,000	50,770	11,210	99197,440	-99186,230
1775+0,00	0,000	2,920	0,000	58,110	11,210	99255,550	-99244,340
1776+0,00	0,000	2,800	0,000	57,260	11,210	99312,810	-99301,600
1777+0,00	0,000	2,610	0,000	54,110	11,210	99366,920	-99355,710
1778+0,00	0,000	2,310	0,000	49,040	11,210	99415,970	-99404,760
1779+0,00	0,000	2,700	0,000	50,090	11,210	99466,050	-99454,840
1780+0,00	0,000	2,580	0,000	52,730	11,210	99518,780	-99507,570
1781+0,00	0,000	2,710	0,000	52,880	11,210	99571,670	-99560,460
1782+0,00	0,000	2,770	0,000	54,780	11,210	99626,450	-99615,240

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria [illegible]

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1783+0,00	0,000	2,680	0,000	54,410	11,210	99680,850	-99669,640
1784+0,00	0,000	2,840	0,000	54,970	11,210	99735,820	-99724,610
1785+0,00	0,000	2,790	0,000	56,180	11,210	99792,000	-99780,790
1786+0,00	0,000	3,040	0,000	58,260	11,210	99850,260	-99839,050
1787+0,00	0,000	3,140	0,000	61,740	11,210	99912,000	-99900,790
1788+0,00	0,000	3,480	0,000	66,200	11,210	99978,200	-99966,990
1789+0,00	0,000	3,300	0,000	67,810	11,210	100046,010	-100034,800
1790+0,00	0,000	3,380	0,000	66,780	11,210	100112,780	-100101,570
1791+0,00	0,000	3,010	0,000	63,910	11,210	100176,690	-100165,480
1792+0,00	0,000	2,840	0,000	58,500	11,210	100235,190	-100223,980
1793+0,00	0,000	2,490	0,000	53,250	11,210	100288,440	-100277,230
1794+0,00	0,000	2,860	0,000	53,520	11,210	100341,970	-100330,760
1795+0,00	0,000	3,050	0,000	59,150	11,210	100401,120	-100389,910
1796+0,00	0,000	2,880	0,000	59,330	11,210	100460,450	-100449,240
1797+0,00	0,000	2,930	0,000	58,080	11,210	100518,530	-100507,320
1798+0,00	0,000	2,740	0,000	56,630	11,210	100575,160	-100563,950
1799+0,00	0,000	2,900	0,000	56,380	11,210	100631,540	-100620,330
1800+0,00	0,000	2,590	0,000	54,910	11,210	100686,450	-100675,240
1801+0,00	0,000	2,800	0,000	53,880	11,210	100740,340	-100729,130
1802+0,00	0,000	1,730	0,000	45,260	11,210	100785,600	-100774,390
1803+0,00	0,000	2,700	0,000	44,310	11,210	100829,910	-100818,700
1804+0,00	0,000	3,590	0,000	62,910	11,210	100892,820	-100881,610
1805+0,00	0,000	3,420	0,000	70,040	11,210	100962,860	-100951,650
1806+0,00	0,000	2,890	0,000	63,120	11,210	101025,980	-101014,770
1807+0,00	0,000	2,650	0,000	55,430	11,210	101081,410	-101070,200
1808+0,00	0,000	2,530	0,000	51,800	11,210	101133,210	-101122,000
1809+0,00	0,000	3,400	0,000	59,330	11,210	101192,540	-101181,330
1810+0,00	0,000	2,920	0,000	63,250	11,210	101255,790	-101244,580
1811+0,00	0,000	2,840	0,000	57,620	11,210	101313,410	-101302,200
1812+0,00	0,000	2,430	0,000	52,650	11,210	101366,070	-101354,860
1813+0,00	0,000	2,680	0,000	51,020	11,210	101417,080	-101405,870
1814+0,00	0,000	2,770	0,000	54,450	11,210	101471,530	-101460,320
1815+0,00	0,000	2,900	0,000	56,790	11,210	101528,330	-101517,120
1816+0,00	0,000	2,880	0,000	57,780	11,210	101586,100	-101574,890
1817+0,00	0,000	2,940	0,000	58,150	11,210	101644,260	-101633,050
1818+0,00	0,000	3,200	0,000	61,370	11,210	101705,630	-101694,420
1819+0,00	0,000	3,130	0,000	63,350	11,210	101768,980	-101757,770
1820+0,00	0,000	2,960	0,000	60,970	11,210	101829,950	-101818,740
1821+0,00	0,000	2,990	0,000	59,560	11,210	101889,510	-101878,300
1822+0,00	0,000	2,990	0,000	59,780	11,210	101949,290	-101938,080
1823+0,00	0,000	3,000	0,000	59,900	11,210	102009,190	-101997,980
1824+0,00	0,000	2,910	0,000	59,170	11,210	102068,360	-102057,150
1825+0,00	0,000	2,990	0,000	59,000	11,210	102127,360	-102116,150
1826+0,00	0,000	3,860	0,000	68,460	11,210	102195,820	-102184,610
1827+0,00	0,000	4,290	0,000	81,440	11,210	102277,260	-102266,050
1828+0,00	0,000	3,040	0,000	73,250	11,210	102350,510	-102339,300
1829+0,00	0,000	3,050	0,000	60,890	11,210	102411,400	-102400,190
1830+0,00	0,000	1,950	0,000	50,040	11,210	102461,440	-102450,230
1831+0,00	0,000	2,900	0,000	48,560	11,210	102510,000	-102498,790
1832+0,00	0,000	2,780	0,000	57,110	11,210	102567,110	-102555,900
1833+0,00	0,000	2,880	0,000	57,010	11,210	102624,120	-102612,910
1834+0,00	0,000	2,820	0,000	56,880	11,210	102681,000	-102669,790
1835+0,00	0,000	2,900	0,000	57,230	11,210	102738,240	-102727,030
1836+0,00	0,000	3,010	0,000	59,140	11,210	102797,380	-102786,170
1837+0,00	0,000	2,690	0,000	56,710	11,210	102854,080	-102842,870
1838+0,00	0,000	2,620	0,000	52,960	11,210	102907,040	-102895,830
1839+0,00	0,000	2,710	0,000	53,350	11,210	102960,390	-102949,180
1840+0,00	0,000	2,880	0,000	55,840	11,210	103016,220	-103005,010
1841+0,00	0,000	3,070	0,000	59,420	11,210	103075,640	-103064,430
1842+0,00	0,000	3,320	0,000	63,850	11,210	103139,490	-103128,280
1843+0,00	0,000	3,170	0,000	64,900	11,210	103204,390	-103193,180
1844+0,00	0,000	3,080	0,000	62,570	11,210	103266,960	-103255,750
1845+0,00	0,000	3,010	0,000	60,990	11,210	103327,950	-103316,740
1846+0,00	0,000	2,850	0,000	58,610	11,210	103386,560	-103375,350

Osvaldo Leôncio da Silva Filho
Diretor de Unidade Programas
Projetos Obras - DUPPO
Secretaria das Cidades (Sicid)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1847+0,00	0,000	3,320	0,000	61,680	11,210	103448,240	-103437,030
1848+0,00	0,000	3,650	0,000	69,690	11,210	103517,930	-103506,720
1849+0,00	0,000	3,610	0,000	72,620	11,210	103590,550	-103579,340
1850+0,00	0,000	3,290	0,000	69,020	11,210	103659,570	-103648,360
1851+0,00	0,000	3,060	0,000	63,490	11,210	103723,070	-103711,860
1852+0,00	0,000	2,860	0,000	59,220	11,210	103782,290	-103771,080
1853+0,00	0,000	3,260	0,000	61,170	11,210	103843,460	-103832,250
1854+0,00	0,000	3,370	0,000	66,310	11,210	103909,770	-103898,560
1855+0,00	0,000	3,170	0,000	65,410	11,210	103975,180	-103963,970
1856+0,00	0,000	2,900	0,000	60,660	11,210	104035,840	-104024,630
1857+0,00	0,000	3,100	0,000	60,040	11,210	104095,880	-104084,670
1858+0,00	0,000	2,860	0,000	59,720	11,210	104155,600	-104144,390
1859+0,00	0,000	2,890	0,000	57,610	11,210	104213,210	-104202,000
1860+0,00	0,000	2,920	0,000	58,120	11,210	104271,330	-104260,120
1861+0,00	0,000	2,880	0,000	58,020	11,210	104329,350	-104318,140
1862+0,00	0,000	2,790	0,000	56,770	11,210	104386,120	-104374,910
1863+0,00	0,000	2,800	0,000	55,900	11,210	104442,020	-104430,810
1864+0,00	0,000	2,750	0,000	55,440	11,210	104497,460	-104486,250
1865+0,00	0,000	2,810	0,000	55,550	11,210	104553,010	-104541,800
1866+0,00	0,000	2,880	0,000	56,860	11,210	104609,870	-104598,660
1867+0,00	0,000	2,840	0,000	57,190	11,210	104667,060	-104655,850
1868+0,00	0,000	2,690	0,000	55,280	11,210	104722,340	-104711,130
1869+0,00	0,000	2,840	0,000	55,230	11,210	104777,570	-104766,360
1870+0,00	0,000	2,750	0,000	55,830	11,210	104833,400	-104822,190
1871+0,00	0,000	2,640	0,000	53,910	11,210	104887,310	-104876,100
1872+0,00	0,000	2,650	0,000	52,940	11,210	104940,250	-104929,040
1873+0,00	0,000	2,700	0,000	53,360	11,210	104993,600	-104982,390
1874+0,00	0,000	2,880	0,000	55,830	11,210	105049,430	-105038,220
1875+0,00	0,000	2,200	0,000	50,770	11,210	105100,200	-105088,990
1876+0,00	0,000	2,170	0,000	43,640	11,210	105143,840	-105132,630
1877+0,00	0,000	2,700	0,000	48,640	11,210	105192,490	-105181,280
1878+0,00	0,000	2,970	0,000	56,620	11,210	105249,110	-105237,900
1879+0,00	0,000	2,920	0,000	58,900	11,210	105308,010	-105296,800
1880+0,00	0,000	2,910	0,000	58,350	11,210	105366,360	-105355,150
1881+0,00	0,000	2,840	0,000	57,490	11,210	105423,840	-105412,630
1882+0,00	0,000	2,930	0,000	57,650	11,210	105481,500	-105470,290
1883+0,00	0,000	3,110	0,000	60,430	11,210	105541,930	-105530,720
1884+0,00	0,000	3,290	0,000	64,060	11,210	105605,990	-105594,780
1885+0,00	0,000	3,160	0,000	64,550	11,210	105670,540	-105659,330
1886+0,00	0,000	3,100	0,000	62,660	11,210	105733,200	-105721,990
1887+0,00	0,000	3,270	0,000	63,670	11,210	105796,870	-105785,660
1888+0,00	0,000	2,760	0,000	60,280	11,210	105857,150	-105845,940
1889+0,00	0,000	2,930	0,000	56,940	11,210	105914,090	-105902,880
1890+0,00	0,000	2,690	0,000	56,240	11,210	105970,330	-105959,120
1891+0,00	0,000	2,920	0,000	56,120	11,210	106026,460	-106015,250
1892+0,00	0,000	3,180	0,000	61,040	11,210	106087,490	-106076,280
1893+0,00	0,000	3,450	0,000	66,290	11,210	106153,780	-106142,570
1894+0,00	0,000	3,220	0,000	66,610	11,210	106220,400	-106209,190
1895+0,00	0,000	2,850	0,000	60,720	11,210	106281,110	-106269,900
1896+0,00	0,000	3,470	0,000	63,200	11,210	106344,320	-106333,110
1897+0,00	0,000	3,430	0,000	68,980	11,210	106413,300	-106402,090
1898+0,00	0,000	3,230	0,000	66,570	11,210	106479,860	-106468,650
1899+0,00	0,000	3,450	0,000	66,790	11,210	106546,660	-106535,450
1900+0,00	0,000	3,540	0,000	69,950	11,210	106616,610	-106605,400
1901+0,00	0,000	3,690	0,000	72,370	11,210	106688,980	-106677,770
1902+0,00	0,000	3,340	0,000	70,360	11,210	106759,340	-106748,130
1903+0,00	0,000	3,010	0,000	63,520	11,210	106822,850	-106811,640
1904+0,00	0,000	3,020	0,000	60,260	11,210	106883,110	-106871,900
1905+0,00	0,000	3,170	0,000	61,810	11,210	106944,930	-106933,720
1906+0,00	0,000	3,270	0,000	64,340	11,210	107009,270	-106998,060
1907+0,00	0,000	2,930	0,000	61,950	11,210	107071,220	-107060,010
1908+0,00	0,000	3,000	0,000	59,240	11,210	107130,460	-107119,250
1909+0,00	0,000	2,830	0,000	58,330	11,210	107188,790	-107177,580
1910+0,00	0,000	2,740	0,000	55,750	11,210	107244,530	-107233,320

Osvaldo Leôncio da Silva
Diretor da Unidade de Projetos
Projetos e Obras - DUPO
Secretaria das Cidades

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1911+0,00	0,000	2,760	0,000	55,030	11,210	107299,560	-107288,350
1912+0,00	0,000	2,880	0,000	56,420	11,210	107355,980	-107344,770
1913+0,00	0,000	2,840	0,000	57,200	11,210	107413,170	-107401,960
1914+0,00	0,000	3,000	0,000	58,400	11,210	107471,570	-107460,360
1915+0,00	0,000	3,010	0,000	60,100	11,210	107531,670	-107520,460
1916+0,00	0,000	2,950	0,000	59,600	11,210	107591,270	-107580,060
1917+0,00	0,000	3,030	0,000	59,860	11,210	107651,140	-107639,930
1918+0,00	0,000	2,810	0,000	58,390	11,210	107709,530	-107698,320
1919+0,00	0,000	2,420	0,000	52,320	11,210	107761,850	-107750,640
1920+0,00	0,000	2,260	0,000	46,830	11,210	107808,680	-107797,470
1921+0,00	0,000	2,610	0,000	48,740	11,210	107857,410	-107846,200
1922+0,00	0,000	3,820	0,000	64,290	11,210	107921,700	-107910,490
1923+0,00	0,000	4,320	0,000	81,320	11,210	108003,030	-107991,820
1924+0,00	0,000	3,620	0,000	79,350	11,210	108082,380	-108071,170
1925+0,00	0,000	2,920	0,000	65,410	11,210	108147,790	-108136,580
1926+0,00	0,000	2,910	0,000	58,370	11,210	108206,160	-108194,950
1927+0,00	0,000	2,970	0,000	58,830	11,210	108264,990	-108253,780
1928+0,00	0,000	2,960	0,000	59,280	11,210	108324,270	-108313,060
1929+0,00	0,000	2,900	0,000	58,540	11,210	108382,800	-108371,590
1930+0,00	0,000	2,850	0,000	57,440	11,210	108440,250	-108429,040
1931+0,00	0,000	3,150	0,000	60,030	11,210	108500,280	-108489,070
1932+0,00	0,000	3,310	0,000	64,630	11,210	108564,910	-108553,700
1933+0,00	0,000	3,040	0,000	63,450	11,210	108628,360	-108617,150
1934+0,00	0,000	2,850	0,000	58,860	11,210	108687,220	-108676,010
1935+0,00	0,000	2,990	0,000	58,410	11,210	108745,620	-108734,410
1936+0,00	0,000	2,390	0,000	53,770	11,210	108799,390	-108788,180
1937+0,00	0,000	1,970	0,000	43,590	11,210	108842,980	-108831,770
1938+0,00	0,000	2,320	0,000	42,830	11,210	108885,820	-108874,610
1939+0,00	0,000	2,810	0,000	51,250	11,210	108937,070	-108925,860
1940+0,00	0,000	3,260	0,000	60,680	11,210	108997,750	-108986,540
1941+0,00	0,000	3,390	0,000	66,550	11,210	109064,290	-109053,080
1942+0,00	0,000	3,220	0,000	66,120	11,210	109130,420	-109119,210
1943+0,00	0,000	3,360	0,000	65,760	11,210	109196,180	-109184,970
1944+0,00	0,000	3,690	0,000	70,450	11,210	109266,630	-109255,420
1945+0,00	0,000	2,650	0,000	63,390	11,210	109330,020	-109318,810
1946+0,00	0,000	2,780	0,000	54,280	11,210	109384,300	-109373,090
1947+0,00	0,000	2,830	0,000	56,050	11,210	109440,350	-109429,140
1948+0,00	0,000	2,890	0,000	57,160	11,210	109497,510	-109486,300
1949+0,00	0,000	2,880	0,000	57,640	11,210	109555,160	-109543,950
1950+0,00	0,000	3,180	0,000	60,520	11,210	109615,680	-109604,470
1951+0,00	0,000	3,460	0,000	66,360	11,210	109682,030	-109670,820
1952+0,00	0,000	2,560	0,000	60,210	11,210	109742,250	-109731,040
1953+0,00	0,000	1,880	0,000	44,390	11,210	109786,640	-109775,430
1954+0,00	0,000	2,140	0,000	40,160	11,210	109826,800	-109815,590
1955+0,00	0,000	3,690	0,000	58,290	11,210	109885,090	-109873,880
1956+0,00	0,000	3,020	0,000	67,090	11,210	109952,180	-109940,970
1957+0,00	0,000	2,290	0,000	53,090	11,210	110005,270	-109994,060
1958+0,00	0,000	3,000	0,000	52,890	11,210	110058,160	-110046,950
1959+0,00	0,000	2,860	0,000	58,590	11,210	110116,740	-110105,530
1960+0,00	0,000	2,680	0,000	55,450	11,210	110172,200	-110160,990
1961+0,00	0,000	3,190	0,000	58,740	11,210	110230,940	-110219,730
1962+0,00	0,000	3,560	0,000	67,520	11,210	110298,460	-110287,250
1963+0,00	0,000	2,970	0,000	65,330	11,210	110363,790	-110352,580
1964+0,00	0,000	2,890	0,000	58,650	11,210	110422,440	-110411,230
1965+0,00	0,000	3,440	0,000	63,300	11,210	110485,740	-110474,530
1966+0,00	0,000	3,130	0,000	65,640	11,210	110551,380	-110540,170
1967+0,00	0,000	3,180	0,000	63,110	11,210	110614,490	-110603,280
1968+0,00	0,000	3,070	0,000	62,480	11,210	110676,970	-110665,760
1969+0,00	0,000	3,020	0,000	60,840	11,210	110737,810	-110726,600
1970+0,00	0,000	3,160	0,000	61,790	11,210	110799,590	-110788,380
1971+0,00	0,000	3,110	0,000	62,660	11,210	110862,260	-110851,050
1972+0,00	0,000	3,090	0,000	61,980	11,210	110924,240	-110913,030
1973+0,00	0,000	3,190	0,000	62,770	11,210	110987,020	-110975,810
1974+0,00	0,000	2,970	0,000	61,550	11,210	111048,570	-111037,360

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria dos Direitos Sociais

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1975+0,00	0,000	2,970	0,000	59,400	11,210	111107,970	-111096,760
1976+0,00	0,000	2,860	0,000	58,260	11,210	111166,230	-111155,020
1977+0,00	0,000	2,980	0,000	58,580	11,210	111224,800	-111213,590
1978+0,00	0,000	2,970	0,000	59,770	11,210	111284,570	-111273,360
1979+0,00	0,000	2,620	0,000	55,970	11,210	111340,550	-111329,340
1980+0,00	0,000	3,020	0,000	56,410	11,210	111396,950	-111385,740
1981+0,00	0,000	3,090	0,000	61,060	11,210	111458,010	-111446,800
1982+0,00	0,000	3,030	0,000	61,180	11,210	111519,190	-111507,980
1983+0,00	0,000	2,890	0,000	59,130	11,210	111578,330	-111567,120
1984+0,00	0,000	3,140	0,000	60,270	11,210	111638,590	-111627,380
1985+0,00	0,000	2,920	0,000	60,600	11,210	111699,190	-111687,980
1986+0,00	0,000	2,750	0,000	56,660	11,210	111755,860	-111744,650
1987+0,00	0,000	3,730	0,000	64,800	11,210	111820,660	-111809,450
1988+0,00	0,000	3,150	0,000	68,830	11,210	111889,490	-111878,280
1989+0,00	0,000	2,480	0,000	56,360	11,210	111945,850	-111934,640
1990+0,00	0,000	2,260	0,000	47,490	11,210	111993,330	-111982,120
1991+0,00	0,000	2,700	0,000	49,600	11,210	112042,930	-112031,720
1992+0,00	0,000	2,460	0,000	51,520	11,210	112094,450	-112083,240
1993+0,00	0,000	3,410	0,000	58,720	11,210	112153,170	-112141,960
1994+0,00	0,000	3,410	0,000	68,250	11,210	112221,420	-112210,210
1995+0,00	0,000	3,380	0,000	67,950	11,210	112289,370	-112278,160
1996+0,00	0,000	3,330	0,000	67,180	11,210	112356,550	-112345,340
1997+0,00	0,000	2,960	0,000	62,920	11,210	112419,480	-112408,270
1998+0,00	0,000	2,550	0,000	55,130	11,210	112474,610	-112463,400
1999+0,00	0,000	3,060	0,000	56,120	11,210	112530,730	-112519,520
2000+0,00	0,000	2,900	0,000	59,600	11,210	112590,320	-112579,110
2001+0,00	0,000	2,720	0,000	56,200	11,210	112646,530	-112635,320
2002+0,00	0,000	2,210	0,000	49,240	11,210	112695,770	-112684,560
2003+0,00	0,000	3,290	0,000	54,970	11,210	112750,730	-112739,520
2004+0,00	0,000	3,590	0,000	68,790	11,210	112819,520	-112808,310
2005+0,00	0,000	3,580	0,000	71,680	11,210	112891,200	-112879,990
2006+0,00	0,000	2,710	0,000	62,870	11,210	112954,070	-112942,860
2007+0,00	0,000	1,780	0,000	44,860	11,210	112998,930	-112987,720
2008+0,00	0,000	3,370	0,000	51,450	11,210	113050,380	-113039,170
2009+0,00	0,000	2,700	0,000	60,670	11,210	113111,050	-113099,840
2010+0,00	0,000	3,620	0,000	63,200	11,210	113174,260	-113163,050
2011+0,00	0,000	3,520	0,000	71,350	11,210	113245,600	-113234,390
2012+0,00	0,000	3,840	0,000	73,560	11,210	113319,160	-113307,950
2013+0,00	0,000	3,110	0,000	69,470	11,210	113388,630	-113377,420
2014+0,00	0,000	2,860	0,000	59,630	11,210	113448,260	-113437,050
2015+0,00	0,000	3,030	0,000	58,930	11,210	113507,190	-113495,980
2016+0,00	0,000	2,880	0,000	59,080	11,210	113566,270	-113555,060
2017+0,00	0,000	2,990	0,000	58,680	11,210	113624,950	-113613,740
2018+0,00	0,000	3,180	0,000	61,590	11,210	113686,530	-113675,320
2019+0,00	0,000	3,360	0,000	65,390	11,210	113751,930	-113740,720
2020+0,00	0,000	3,330	0,000	66,890	11,210	113818,810	-113807,600
2021+0,00	0,000	4,710	0,000	80,310	11,210	113899,120	-113887,910
2022+0,00	0,000	3,570	0,000	83,000	11,210	113982,130	-113970,920
2023+0,00	0,000	3,070	0,000	66,460	11,210	114048,580	-114037,370
2024+0,00	0,000	2,800	0,000	58,840	11,210	114107,420	-114096,210
2025+0,00	0,000	1,550	0,000	43,660	11,210	114151,080	-114139,870
2026+0,00	0,000	2,170	0,000	37,200	11,210	114188,280	-114177,070
2027+0,00	0,000	3,110	0,000	52,740	11,210	114241,030	-114229,820
2028+0,00	0,000	3,660	0,000	67,720	11,210	114308,740	-114297,530
2029+0,00	0,000	3,090	0,000	67,530	11,210	114376,270	-114365,060
2030+0,00	0,000	2,820	0,000	59,050	11,210	114435,320	-114424,110
2031+0,00	0,000	2,360	0,000	51,740	11,210	114487,060	-114475,850
2032+0,00	0,000	2,170	0,000	45,320	11,210	114532,380	-114521,170
2033+0,00	0,000	2,760	0,000	49,350	11,210	114581,730	-114570,520
2034+0,00	0,000	2,910	0,000	56,730	11,210	114638,460	-114627,250
2035+0,00	0,000	2,770	0,000	56,810	11,210	114695,270	-114684,060
2036+0,00	0,000	2,410	0,000	51,850	11,210	114747,120	-114735,910
2037+0,00	0,000	1,860	0,000	42,700	11,210	114789,820	-114778,610
2038+0,00	0,000	2,160	0,000	40,190	11,210	114830,010	-114818,800

Osvaldo Leôncio da Silva [illegible]
Diretor da Unidade de Projetos
Projetos e Obras - DNIT/PO
Secretaria de [illegible]

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
2039+0,00	0,000	2,670	0,000	48,290	11,210	114878,300	-114867,090
2040+0,00	0,000	3,490	0,000	61,570	11,210	114939,880	-114928,670
2041+0,00	0,000	3,130	0,000	66,210	11,210	115006,090	-114994,880
2042+0,00	0,000	1,980	0,000	51,140	11,210	115057,230	-115046,020
2043+0,00	0,000	3,370	0,000	53,580	11,210	115110,810	-115099,600
2044+0,00	0,000	3,660	0,000	70,390	11,210	115181,200	-115169,990
2045+0,00	0,000	3,920	0,000	75,820	11,210	115257,020	-115245,810
2046+0,00	0,000	3,950	0,000	78,650	11,210	115335,670	-115324,460
2047+0,00	0,000	3,480	0,000	74,290	11,210	115409,960	-115398,750
2048+0,00	0,000	3,010	0,000	64,920	11,210	115474,880	-115463,670
2049+0,00	0,000	3,670	0,000	66,860	11,210	115541,730	-115530,520
2050+0,00	0,000	2,890	0,000	65,560	11,210	115607,300	-115596,090
2051+0,00	0,000	2,960	0,000	58,540	11,210	115665,830	-115654,620
2052+0,00	0,000	2,890	0,000	58,440	11,210	115724,270	-115713,060
2053+0,00	0,000	2,980	0,000	58,630	11,210	115782,900	-115771,690
2054+0,00	0,000	2,880	0,000	58,580	11,210	115841,470	-115830,260
2055+0,00	0,000	2,820	0,000	56,970	11,210	115898,450	-115887,240
2056+0,00	0,000	2,910	0,000	57,290	11,210	115955,740	-115944,530
2057+0,00	0,000	1,870	0,000	47,800	11,210	116003,540	-115992,330
2058+0,00	0,000	2,310	0,000	41,760	11,210	116045,300	-116034,090
2059+0,00	0,000	2,920	0,000	52,350	11,210	116097,650	-116086,440
2060+0,00	0,000	2,230	0,000	51,560	11,210	116149,210	-116138,000
2061+0,00	0,000	1,980	0,000	42,130	11,210	116191,340	-116180,130
2062+0,00	0,000	1,810	0,000	37,900	11,210	116229,240	-116218,030
2063+0,00	0,000	2,600	0,000	44,050	11,210	116273,290	-116262,080
2064+0,00	0,000	1,300	0,000	38,940	11,210	116312,230	-116301,020
2065+0,00	0,000	2,340	0,000	36,310	11,210	116348,540	-116337,330
2066+0,00	0,000	3,370	0,000	57,090	11,210	116405,630	-116394,420
2067+0,00	0,000	2,830	0,000	62,000	11,210	116467,630	-116456,420
2068+0,00	0,000	2,650	0,000	54,740	11,210	116522,370	-116511,160
2069+0,00	0,000	2,610	0,000	52,600	11,210	116574,970	-116563,760
2070+0,00	0,000	2,760	0,000	53,710	11,210	116628,680	-116617,470
2071+0,00	0,000	2,740	0,000	54,940	11,210	116683,620	-116672,410
2072+0,00	0,000	2,780	0,000	55,250	11,210	116738,870	-116727,660
2073+0,00	0,000	2,850	0,000	56,410	11,210	116795,280	-116784,070
2074+0,00	0,000	2,540	0,000	53,840	11,210	116849,120	-116837,910
2075+0,00	0,000	2,530	0,000	50,690	11,210	116899,810	-116888,600
2076+0,00	0,000	2,570	0,000	51,040	11,210	116950,850	-116939,640
2077+0,00	0,000	2,640	0,000	52,080	11,210	117002,930	-116991,720
2078+0,00	0,000	2,890	0,000	55,240	11,210	117058,170	-117046,960
2079+0,00	0,000	3,020	0,000	59,070	11,210	117117,240	-117106,030
2080+0,00	0,000	3,170	0,000	61,910	11,210	117179,150	-117167,940
2081+0,00	0,000	3,270	0,000	64,420	11,210	117243,570	-117232,360
2082+0,00	0,000	2,950	0,000	62,190	11,210	117305,760	-117294,550
2083+0,00	0,000	2,970	0,000	59,160	11,210	117364,920	-117353,710
2084+0,00	0,000	2,970	0,000	59,430	11,210	117424,350	-117413,140
2085+0,00	0,000	2,540	0,000	55,160	11,210	117479,510	-117468,300
2086+0,00	0,000	3,440	0,000	59,780	11,210	117539,290	-117528,080
2087+0,00	0,000	3,350	0,000	67,860	11,210	117607,150	-117595,940
2088+0,00	0,000	3,210	0,000	65,510	11,210	117672,660	-117661,450
2089+0,00	0,000	3,190	0,000	63,990	11,210	117736,660	-117725,450
2090+0,00	0,000	3,180	0,000	63,550	11,210	117800,210	-117789,000
2091+0,00	0,000	2,740	0,000	59,260	11,210	117859,470	-117848,260
2092+0,00	0,000	2,930	0,000	56,750	11,210	117916,220	-117905,010
2093+0,00	0,000	2,780	0,000	57,230	11,210	117973,440	-117962,230
2094+0,00	0,000	2,650	0,000	54,350	11,210	118027,790	-118016,580
2095+0,00	0,000	2,770	0,000	54,170	11,210	118081,960	-118070,750
2096+0,00	0,000	2,680	0,000	54,550	11,210	118136,510	-118125,300
2097+0,00	0,000	2,890	0,000	55,730	11,210	118192,240	-118181,030
2098+0,00	0,000	3,110	0,000	59,990	11,210	118252,230	-118241,020
2099+0,00	0,000	3,250	0,000	63,530	11,210	118315,760	-118304,550
2100+0,00	0,000	3,460	0,000	67,090	11,210	118382,860	-118371,650
2101+0,00	0,000	2,950	0,000	64,160	11,210	118447,020	-118435,810
2102+0,00	0,000	2,870	0,000	58,210	11,210	118505,220	-118494,010

Osvaldo Leônicio da Silva Júnio
Diretor de Unidade de Projetos
Projetos e Obras - DOPRO
Secretaria das Cidades (Sucid)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
2103+0,00	0,000	2,920	0,000	57,900	11,210	118563,120	-118551,910
2104+0,00	0,000	2,900	0,000	58,150	11,210	118621,280	-118610,070
2105+0,00	0,000	1,670	0,000	45,700	11,210	118666,980	-118655,770
2106+0,00	0,000	1,390	0,000	30,690	11,210	118697,670	-118686,460
2107+0,00	0,000	2,240	0,000	36,360	11,210	118734,030	-118722,820
2108+0,00	0,000	2,890	0,000	51,270	11,210	118785,300	-118774,090
2109+0,00	0,000	2,750	0,000	56,350	11,210	118841,650	-118830,440
2110+0,00	0,000	2,510	0,000	52,580	11,210	118894,240	-118883,030
2111+0,00	0,000	2,590	0,000	50,990	11,210	118945,220	-118934,010
2112+0,00	0,000	2,900	0,000	54,850	11,210	119000,080	-118988,870
2113+0,00	0,000	3,150	0,000	60,510	11,210	119060,590	-119049,380
2114+0,00	0,000	2,720	0,000	58,880	11,210	119119,470	-119108,260
2115+0,00	0,000	2,140	0,000	48,700	11,210	119168,170	-119156,960
2116+0,00	0,000	2,920	0,000	50,630	11,210	119218,800	-119207,590
2117+0,00	0,000	2,490	0,000	54,160	11,210	119272,970	-119261,760
2118+0,00	0,000	2,320	0,000	48,100	11,210	119321,060	-119309,850
2119+0,00	0,000	2,650	0,000	49,660	11,210	119370,720	-119359,510
2120+0,00	0,000	3,060	0,000	57,020	11,210	119427,740	-119416,530
2121+0,00	0,000	2,930	0,000	59,880	11,210	119487,620	-119476,410
2122+0,00	0,000	2,980	0,000	59,130	11,210	119546,750	-119535,540
2123+0,00	0,000	3,120	0,000	61,020	11,210	119607,770	-119596,560
2124+0,00	0,000	3,470	0,000	65,960	11,210	119673,730	-119662,520
2125+0,00	0,000	3,930	0,000	74,090	11,210	119747,820	-119736,610
2126+0,00	0,000	2,670	0,000	66,040	11,210	119813,870	-119802,660
2127+0,00	0,000	2,770	0,000	54,360	11,210	119868,220	-119857,010
2128+0,00	0,000	2,130	0,000	48,980	11,210	119917,200	-119905,990
2129+0,00	0,000	2,370	0,000	44,980	11,210	119962,180	-119950,970
2130+0,00	0,000	2,880	0,000	52,430	11,210	120014,610	-120003,400
2131+0,00	0,000	3,040	0,000	59,130	11,210	120073,740	-120062,530
2132+0,00	0,000	3,220	0,000	62,570	11,210	120136,310	-120125,100
2133+0,00	0,000	3,240	0,000	64,640	11,210	120200,940	-120189,730
2134+0,00	0,000	2,830	0,000	60,750	11,210	120261,690	-120250,480
2135+0,00	0,000	3,030	0,000	58,580	11,210	120320,270	-120309,060
2136+0,00	0,000	3,330	0,000	63,610	11,210	120383,880	-120372,670
2137+0,00	0,000	3,010	0,000	63,480	11,210	120447,360	-120436,150
2138+0,00	0,000	3,260	0,000	62,740	11,210	120510,100	-120498,890
2139+0,00	0,000	3,430	0,000	66,890	11,210	120577,000	-120565,790
2140+0,00	0,000	3,230	0,000	66,600	11,210	120643,590	-120632,380
2141+0,00	0,000	3,190	0,000	64,230	11,210	120707,820	-120696,610
2142+0,00	0,000	2,220	0,000	54,100	11,210	120761,920	-120750,710
2143+0,00	0,000	2,260	0,000	44,810	11,210	120806,730	-120795,520
2144+0,00	0,000	2,830	0,000	50,930	11,210	120857,660	-120846,450
2145+0,00	0,000	2,340	0,000	51,660	11,210	120909,320	-120898,110
2146+0,00	0,000	2,050	0,000	43,880	11,210	120953,200	-120941,990
2147+0,00	0,000	2,190	0,000	42,490	11,210	120995,690	-120984,480
2148+0,00	0,000	2,360	0,000	45,450	11,210	121041,150	-121029,940
2149+0,00	0,000	2,520	0,000	48,720	11,210	121089,870	-121078,660
2150+0,00	0,000	2,710	0,000	52,230	11,210	121142,090	-121130,880
2151+0,00	0,000	2,840	0,000	55,430	11,210	121197,520	-121186,310
2152+0,00	0,000	3,060	0,000	58,970	11,210	121256,490	-121245,280
2153+0,00	0,000	3,110	0,000	61,760	11,210	121318,250	-121307,040
2154+0,00	0,000	3,260	0,000	63,750	11,210	121382,000	-121370,790
2155+0,00	0,000	2,950	0,000	62,110	11,210	121444,110	-121432,900
2156+0,00	0,000	2,730	0,000	56,850	11,210	121500,960	-121489,750
2157+0,00	0,000	3,090	0,000	58,260	11,210	121559,220	-121548,010
2158+0,00	0,000	2,860	0,000	59,470	11,210	121618,690	-121607,480
2159+0,00	0,000	2,890	0,000	57,450	11,210	121676,140	-121664,930
2160+0,00	0,000	2,640	0,000	55,280	11,210	121731,420	-121720,210
2161+0,00	0,000	2,690	0,000	53,270	11,210	121784,690	-121773,480
2162+0,00	0,000	2,620	0,000	53,040	11,210	121837,730	-121826,520
2163+0,00	0,000	3,030	0,000	56,450	11,210	121894,180	-121882,970
2164+0,00	0,000	2,960	0,000	59,860	11,210	121954,040	-121942,830
2165+0,00	0,000	2,920	0,000	58,750	11,210	122012,800	-122001,590
2166+0,00	0,000	3,140	0,000	60,600	11,210	122073,400	-122062,190

Osvaldo Leôncio da Silva Filho
Diretoria de Programas
Projetos e Obras - DUFRO
Secretaria de Infraestrutura

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
2167+0,00	0,000	1,970	0,000	51,100	11,210	122124,500	-122113,290
2168+0,00	0,000	3,190	0,000	51,580	11,210	122176,080	-122164,870
2169+0,00	0,000	3,810	0,000	69,980	11,210	122246,050	-122234,840
2170+0,00	0,000	3,140	0,000	69,560	11,210	122315,610	-122304,400
2171+0,00	0,000	3,200	0,000	63,450	11,210	122379,060	-122367,850
2172+0,00	0,000	3,480	0,000	66,850	11,210	122445,910	-122434,700
2173+0,00	0,000	2,620	0,000	61,080	11,210	122506,990	-122495,780
2174+0,00	0,000	2,940	0,000	55,680	11,210	122562,660	-122551,450
2175+0,00	0,000	3,380	0,000	63,150	11,210	122625,810	-122614,600
2176+0,00	0,000	2,820	0,000	61,980	11,210	122687,790	-122676,580
2177+0,00	0,000	2,880	0,000	57,070	11,210	122744,870	-122733,660
2178+0,00	0,000	3,040	0,000	59,250	11,210	122804,120	-122792,910
2179+0,00	0,000	3,280	0,000	63,200	11,210	122867,320	-122856,110
2180+0,00	0,000	3,200	0,000	64,870	11,210	122932,200	-122920,990
2181+0,00	0,000	2,840	0,000	60,520	11,210	122992,720	-122981,510
2182+0,00	0,000	2,160	0,000	49,970	11,210	123042,680	-123031,470
2183+0,00	0,000	2,680	0,000	48,450	11,210	123091,140	-123079,930
2184+0,00	0,000	2,960	0,000	56,490	11,210	123147,620	-123136,410
2185+0,00	0,000	3,300	0,000	62,670	11,210	123210,290	-123199,080
2186+0,00	0,000	3,170	0,000	64,690	11,210	123274,980	-123263,770
2187+0,00	0,000	2,910	0,000	60,750	11,210	123335,730	-123324,520
2188+0,00	0,000	3,290	0,000	62,010	11,210	123397,740	-123386,530
2189+0,00	0,000	3,360	0,000	66,560	11,210	123464,300	-123453,090
2190+0,00	0,000	3,240	0,000	66,090	11,210	123530,380	-123519,170
2191+0,00	0,000	2,930	0,000	61,730	11,210	123592,120	-123580,910
2192+0,00	0,000	3,080	0,000	60,050	11,210	123652,170	-123640,960
2193+0,00	0,000	2,800	0,000	58,730	11,210	123710,900	-123699,690
2194+0,00	0,000	2,710	0,000	55,090	11,210	123765,990	-123754,780
2195+0,00	0,000	2,890	0,000	55,990	11,210	123821,980	-123810,770
2196+0,00	0,000	2,510	0,000	54,010	11,210	123875,990	-123864,780
2197+0,00	0,000	2,560	0,000	50,720	11,210	123926,700	-123915,490
2198+0,00	0,000	2,870	0,000	54,290	11,210	123981,000	-123969,790
2199+0,00	0,000	3,000	0,000	58,750	11,210	124039,750	-124028,540
2200+0,00	0,000	2,730	0,000	57,350	11,210	124097,100	-124085,890
2201+0,00	0,000	2,870	0,000	56,020	11,210	124153,120	-124141,910
2202+0,00	0,000	2,900	0,000	57,830	11,210	124210,950	-124199,740
2203+0,00	0,000	2,770	0,000	56,710	11,210	124267,660	-124256,450
2204+0,00	0,000	3,290	0,000	60,580	11,210	124328,240	-124317,030
2205+0,00	0,000	3,490	0,000	67,760	11,210	124396,000	-124384,790
2206+0,00	0,000	3,060	0,000	65,470	11,210	124461,480	-124450,270
2207+0,00	0,000	3,120	0,000	61,770	11,210	124523,250	-124512,040
2208+0,00	0,000	2,760	0,000	58,750	11,210	124582,000	-124570,790
2209+0,00	0,000	3,200	0,000	59,610	11,210	124641,610	-124630,400
2210+0,00	0,000	3,110	0,000	63,780	11,210	124705,390	-124694,180
2211+0,00	0,000	2,750	0,000	58,590	11,210	124763,990	-124752,780
2212+0,00	0,000	2,110	0,000	48,680	11,210	124812,670	-124801,460
2213+0,00	0,000	3,340	0,000	54,540	11,210	124867,210	-124856,000
2214+0,00	0,000	3,000	0,000	63,400	11,210	124930,610	-124919,400
2215+0,00	0,000	3,360	0,000	63,640	11,210	124994,250	-124983,040
2216+0,00	0,000	3,340	0,000	67,060	11,210	125061,310	-125050,100
2217+0,00	0,000	3,880	0,000	72,450	11,210	125133,760	-125122,550
2218+0,00	0,000	2,520	0,000	63,970	11,210	125197,730	-125186,520
2219+0,00	0,000	2,800	0,000	53,190	11,210	125250,910	-125239,700
2220+0,00	0,000	2,940	0,000	57,450	11,210	125308,360	-125297,150
2221+0,00	0,000	2,430	0,000	53,790	11,210	125362,150	-125350,940
2222+0,00	0,000	1,750	0,000	41,800	11,210	125403,960	-125392,750
2223+0,00	0,000	0,550	0,000	22,960	11,210	125426,920	-125415,710
2223+15,00	0,330	0,000	2,480	4,130	13,690	125431,040	-125417,350

Osvaldo Leoncio da Silva [illegible]
Diretor da Unid. de Programas, Projetos e Obras - DUPPO
Secretaria de Obras (Seob)

14.2 TRECHO II

Rua Acésio do Rêgo Monteiro, nº 1515
Ed. Antonio Portela Barbosa
Bairro Ininga • CEP: 64052-860
Teresina • Piauí • Brasil

www.pi.gov.br
cidades@cidades.pi.gov.br

Nota de Serviço Tabela

TRECHO 2: POVOADO TANQUE NOVO AO POVOADO LAJE DE PEDRA 0+0.000 398+0.000

Lado Esquerdo						Eixo				Lado Direito					
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-4.266	502.053	66.67	-4.000	501.876	-2.00	0+0.000	501.956	501.956	0.000	4.000	501.876	-2.00	4.048	501.804	-150.00
-4.112	502.684	-150.00	-4.000	502.853	-2.00	1+0.000	502.933	502.570	0.363	4.000	502.853	-2.00	4.248	502.480	-150.00
-4.209	503.475	-150.00	-4.000	503.788	-2.00	2+0.000	503.868	503.435	0.433	4.000	503.788	-2.00	4.263	503.394	-150.00
-4.212	504.309	-150.00	-4.000	504.628	-2.00	3+0.000	504.708	504.270	0.438	4.000	504.628	-2.00	4.260	504.238	-150.00
-4.203	505.130	-150.00	-4.000	505.434	-2.00	4+0.000	505.514	505.086	0.428	4.000	505.434	-2.00	4.266	505.035	-150.00
-4.206	505.804	-150.00	-4.000	506.113	-2.00	5+0.000	506.193	505.763	0.430	4.000	506.113	-2.00	4.261	505.721	-150.00
-4.221	506.390	-150.00	-4.000	506.721	-2.00	6+0.000	506.801	506.380	0.421	4.000	506.721	-2.00	4.234	506.370	-150.00
-4.214	506.799	-150.00	-4.000	507.121	-2.00	7+0.000	507.201	506.788	0.413	4.000	507.121	-2.00	4.229	506.777	-150.00
-4.172	507.155	-150.00	-4.000	507.412	-2.00	8+0.000	507.492	507.070	0.422	4.000	507.412	-2.00	4.226	507.073	-150.00
-4.162	507.348	-150.00	-4.000	507.592	-2.00	9+0.000	507.672	507.264	0.407	4.000	507.592	-2.00	4.275	507.179	-150.00
-4.174	507.443	-150.00	-4.000	507.704	-2.00	10+0.000	507.784	507.383	0.400	4.000	507.704	-2.00	4.254	507.322	-150.00
-4.166	507.600	-150.00	-4.000	507.849	-2.00	11+0.000	507.929	507.551	0.378	4.000	507.849	-2.00	4.237	507.494	-150.00
-4.187	507.812	-150.00	-4.000	508.092	-2.00	12+0.000	508.172	507.757	0.414	4.000	508.092	-2.00	4.260	507.702	-150.00
-4.166	508.129	-150.00	-4.000	508.378	-2.00	13+0.000	508.458	508.062	0.396	4.000	508.378	-2.00	4.257	507.992	-150.00
-4.175	508.244	-150.00	-4.000	508.507	-2.00	14+0.000	508.587	508.184	0.403	4.000	508.507	-2.00	4.256	508.123	-150.00
-4.155	508.403	-150.00	-4.000	508.636	-2.00	15+0.000	508.716	508.334	0.382	4.000	508.636	-2.00	4.249	508.263	-150.00
-4.155	508.501	-150.00	-4.000	508.734	-2.00	16+0.000	508.814	508.424	0.390	4.000	508.734	-2.00	4.256	508.350	-150.00
-4.189	508.413	-150.00	-4.000	508.697	-2.00	17+0.000	508.777	508.375	0.402	4.000	508.697	-2.00	4.245	508.329	-150.00
-4.258	508.262	-150.00	-4.000	508.649	-2.00	18+0.000	508.729	508.265	0.464	4.000	508.649	-2.00	4.276	508.236	-150.00
-4.202	508.304	-150.00	-4.000	508.607	-2.00	19+0.000	508.687	508.303	0.384	4.000	508.607	-2.00	4.239	508.248	-150.00
-4.185	508.405	-150.00	-4.000	508.682	-2.00	20+0.000	508.762	508.375	0.387	4.000	508.682	-2.00	4.239	508.323	-150.00
-4.184	508.547	-150.00	-4.000	508.823	-2.00	21+0.000	508.903	508.510	0.393	4.000	508.823	-2.00	4.241	508.461	-150.00
-4.208	508.652	-150.00	-4.000	508.963	-2.00	22+0.000	509.043	508.646	0.397	4.000	508.963	-2.00	4.241	508.602	-150.00
-4.225	508.726	-150.00	-4.000	509.063	-2.00	23+0.000	509.143	508.744	0.398	4.000	509.063	-2.00	4.200	508.763	-150.00
-4.216	508.764	-150.00	-4.000	509.088	-2.00	24+0.000	509.168	508.784	0.384	4.000	509.088	-2.00	4.189	508.804	-150.00
-4.205	508.732	-150.00	-4.000	509.039	-2.00	25+0.000	509.119	508.725	0.394	4.000	509.039	-2.00	4.214	508.718	-150.00
-4.145	508.700	-150.00	-4.000	508.917	-2.00	26+0.000	508.997	508.733	0.264	4.000	508.917	-2.00	4.132	508.719	-150.00
-4.209	508.456	-150.00	-4.000	508.770	-2.00	27+0.000	508.850	508.471	0.379	4.000	508.770	-2.00	4.188	508.487	-150.00
-4.169	508.256	-150.00	-4.000	508.509	-2.00	28+0.000	508.589	508.228	0.361	4.000	508.509	-2.00	4.206	508.200	-150.00
-4.171	507.971	-150.00	-4.000	508.228	-2.00	29+0.000	508.308	507.922	0.386	4.000	508.228	-2.00	4.236	507.873	-150.00
-4.165	507.563	-150.00	-4.000	507.811	-2.00	30+0.000	507.891	507.536	0.355	4.000	507.811	-2.00	4.207	507.501	-150.00
-4.179	507.053	-150.00	-4.000	507.321	-2.00	31+0.000	507.401	507.040	0.361	4.000	507.321	-2.00	4.195	507.028	-150.00
-4.174	506.570	-150.00	-4.000	506.831	-2.00	32+0.000	506.911	506.551	0.360	4.000	506.831	-2.00	4.198	506.534	-150.00
-4.188	506.204	-150.00	-4.000	506.486	-2.00	33+0.000	506.566	506.194	0.372	4.000	506.486	-2.00	4.201	506.184	-150.00
-4.165	506.058	-150.00	-4.000	506.305	-2.00	34+0.000	506.385	506.029	0.356	4.000	506.305	-2.00	4.203	506.001	-150.00
-4.165	506.087	-150.00	-4.000	506.334	-2.00	35+0.000	506.414	506.014	0.400	4.000	506.334	-2.00	4.263	505.939	-150.00
-4.173	506.053	-150.00	-4.000	506.313	-2.00	36+0.000	506.393	506.015	0.378	4.000	506.313	-2.00	4.239	505.955	-150.00
-4.221	505.719	-150.00	-4.000	506.051	-2.00	37+0.000	506.131	505.752	0.379	4.000	506.051	-2.00	4.239	505.692	-150.00
-4.205	505.395	-150.00	-4.000	505.702	-2.00	38+0.000	505.782	505.376	0.406	4.000	505.702	-2.00	4.237	505.347	-150.00
-4.163	505.106	-150.00	-4.000	505.350	-2.00	39+0.000	505.430	505.042	0.388	4.000	505.350	-2.00	4.249	504.977	-150.00
-4.146	504.780	-150.00	-4.000	504.999	-2.00	40+0.000	505.079	504.712	0.367	4.000	504.999	-2.00	4.237	504.643	-150.00
-4.130	504.370	-150.00	-4.000	504.564	-2.00	41+0.000	504.644	504.287	0.358	4.000	504.564	-2.00	4.243	504.201	-150.00
-4.125	503.920	-150.00	-4.000	504.108	-2.00	42+0.000	504.188	503.810	0.378	4.000	504.108	-2.00	4.275	503.696	-150.00
-4.120	503.719	-150.00	-4.000	503.898	-2.00	43+0.000	503.978	503.596	0.382	4.000	503.898	-2.00	4.298	503.452	-150.00
-4.045	503.870	-150.00	-4.000	503.937	-2.00	44+0.000	504.017	503.666	0.351	4.000	503.937	-2.00	4.326	503.447	-150.00
-4.075	504.073	-150.00	-4.000	504.186	-2.00	45+0.000	504.266	503.852	0.415	4.000	504.186	-2.00	4.382	503.613	-150.00
-4.092	504.313	-150.00	-4.000	504.451	-2.00	46+0.000	504.531	504.137	0.394	4.000	504.451	-2.00	4.381	503.879	-150.00
-4.080	504.493	-150.00	-4.000	504.614	-2.00	47+0.000	504.694	504.311	0.383	4.000	504.614	-2.00	4.336	504.110	-150.00
-4.060	504.561	-150.00	-4.000	504.651	-2.00	48+0.000	504.731	504.351	0.380	4.000	504.651	-2.00	4.350	504.126	-150.00
-4.164	504.274	-150.00	-4.000	504.519	-2.00	49+0.000	504.599	504.235	0.364	4.000	504.519	-2.00	4.293	504.079	-150.00
-4.156	503.822	-150.00	-4.000	504.056	-2.00	50+0.000	504.136	503.764	0.371	4.000	504.056	-2.00	4.226	503.716	-150.00
-4.157	503.685	-150.00	-4.000	503.920	-2.00	51+0.000	504.000	503.592	0.409	4.000	503.920	-2.00	4.283	503.496	-150.00
-4.245	503.302	-150.00	-4.000	503.669	-2.00	52+0.000	503.749	503.347	0.402	4.000	503.669	-2.00	4.194	503.379	-150.00
-4.170	503.108	-150.00	-4.000	503.363	-2.00	53+0.000	503.443	503.071	0.372	4.000	503.363	-2.00	4.219	503.034	-150.00
-4.130	502.964	-150.00	-4.000	503.159	-2.00	54+0.000	503.239	502.913	0.326	4.000	503.159	-2.00	4.198	502.862	-150.00
-4.179	502.791	-150.00	-4.000	503.059	-2.00	55+0.000	503.139	502.809	0.330	4.000	503.059	-2.00	4.155	502.827	-150.00
-4.209	502.765	-150.00	-4.000	503.078	-2.00	56+0.000	503.158	502.765	0.393	4.000	503.078	-2.00	4.208	502.765	-150.00
-4.240	502.825	-150.00	-4.000	503.185	-2.00	57+0.000	503.265	502.786	0.479	4.000	503.185	-2.00	4.293	502.746	-150.00
-4.186	502.915	-150.00	-4.000	503.194	-2.00	58+0.000	503.274	502.887	0.387	4.000	503.194	-2.00	4.237	502.838	-150.00
-4.175	502.840	-150.00	-4.000	503.102	-2.00	59+0.000	503.182	502.796	0.387	4.000	503.102	-2.00	4.234	502.751	-150.00
-4.156	502.676	-150.00	-4.000	502.911	-2.00	60+0.000	502.991	502.630	0.361	4.000	502.911	-2.00	4.219	502.583	-150.00
-4.157	502.383	-150.00	-4.000	502.619	-2.00	61+0.000	502.699	502.370	0.329	4.000	502.619	-2.00	4.178	502.352	-150.00
-4.147	502.006	-150.00	-4.000	502.227	-2.00	62+0.000	502.307	501.960	0.347	4.000	502.227	-2.00	4.209	501.914	-150.00
-4.125	501.544	-150.00	-4.000	501.730	-2.00	63+0.000	501.810	501.494	0.316	4.000	501.730	-2.00	4.191	501.444	-150.00
-4.159	500.979	-150.00	-4.000	501.218	-2.00	64+0.000	501.298	500.939	0.359	4.000	501.218	-2.00	4.223	500.883	-150.00
-4.187	500.400	-150.00	-4.000	500.680	-2.00	65+0.000	500.760	500.353	0.406	4.000	500.680	-2.00	4.250	500.305	-150.00
-4.155	499.919	-150.00	-4.000	500.151	-2.00	66+0.000	500.231	499.862	0.369	4.000	500.151	-2.00	4.231	499.805	-150.00
-4.170	499.551	-150.00	-4.000	499.807	-2.00	67+0.000	499.887	499.512	0.375	4.000	499.807	-2.00	4.227	499.466	-150.00
-4.124	499.275	-150.00	-4.000	499.462	-2.00	68+0.000	499.542	499.240	0.301	4.000	499.462	-2.00	4.171	499.205	-150.00
-4.216	499.123	-150.00	-4.000	499.446	-2.00	69+0.000	499.526	499.154	0.372	4.000	499.446	-2.00	4.175	499.185	-150.00
-4.234	499.293	-150.00	-4.000	499.645	-2.00	70+0.000	499.725	499.326	0.398	4.000	499.645	-2.00	4.191	499.359	-150.00
-4.260	499.221	-150.00	-4.000	499.611	-2.00	71+0.000	499.691	499.304	0.386	4.000	499.611	-2.00	4.141	499.399	-150.00
-4.305	499.216	-150.00	-4.000	499.674	-2.00	72+0.000	499.754	499.314	0.439	4.000	499.674	-2.00	4.167	499.422	-150.00

Osvaldo Leôncio da Silva Filho
Diretoria de Infraestrutura, Obras
Projetos e Obras - DIOPO
Secretaria das Cidades

-4.319	499.288	-150.00	-4.000	499.767	-2.00	73+0.000	499.847	499.450	0.397	4.000	499.767	-2.00	4.134	499.566	-150.00
-4.314	499.181	-150.00	-4.000	499.652	-2.00	74+0.000	499.732	499.357	0.374	4.000	499.652	-2.00	4.085	499.525	-150.00
-4.313	498.989	-150.00	-4.000	499.459	-2.00	75+0.000	499.539	499.159	0.379	4.000	499.459	-2.00	4.091	499.321	-150.00
-4.318	499.005	-150.00	-4.000	499.483	-2.00	76+0.000	499.563	499.164	0.398	4.000	499.483	-2.00	4.111	499.316	-150.00
-4.344	499.267	-150.00	-4.000	499.783	-2.00	77+0.000	499.863	499.456	0.407	4.000	499.783	-2.00	4.115	499.611	-150.00
-4.299	499.979	-150.00	-4.000	500.428	-2.00	78+0.000	500.508	500.093	0.415	4.000	500.428	-2.00	4.150	500.204	-150.00
-4.338	500.898	-150.00	-4.000	501.405	-2.00	79+0.000	501.485	501.035	0.450	4.000	501.405	-2.00	4.159	501.167	-150.00
-4.349	502.292	-150.00	-4.000	502.817	-2.00	80+0.000	502.897	502.436	0.461	4.000	502.817	-2.00	4.162	502.574	-150.00
-4.353	503.655	-150.00	-4.000	504.185	-2.00	81+0.000	504.265	503.797	0.468	4.000	504.185	-2.00	4.171	503.928	-150.00
-4.402	504.938	-150.00	-4.000	505.540	-2.00	82+0.000	505.620	505.070	0.551	4.000	505.540	-2.00	4.229	505.197	-150.00
-4.383	505.942	-150.00	-4.000	506.516	-2.00	83+0.000	506.596	506.097	0.499	4.000	506.516	-2.00	4.181	506.245	-150.00
-4.371	506.389	-150.00	-4.000	506.946	-2.00	84+0.000	507.026	506.506	0.520	4.000	506.946	-2.00	4.225	506.608	-150.00
-4.264	506.432	-150.00	-4.000	506.828	-2.00	85+0.000	506.908	506.539	0.369	4.000	506.828	-2.00	4.141	506.617	-150.00
-4.188	505.999	-150.00	-4.000	506.281	-2.00	86+0.000	506.361	506.065	0.296	4.000	506.281	-2.00	4.101	506.130	-150.00
-4.131	505.504	-150.00	-4.000	505.701	-2.00	87+0.000	505.781	505.470	0.311	4.000	505.701	-2.00	4.178	505.434	-150.00
-4.166	504.914	-150.00	-4.000	505.163	-2.00	88+0.000	505.243	504.839	0.404	4.000	505.163	-2.00	4.266	504.764	-150.00
-4.032	504.718	-150.00	-4.000	504.765	-2.00	89+0.000	504.845	504.585	0.261	4.000	504.765	-2.00	4.213	504.446	-150.00
-4.037	505.014	-150.00	-4.000	505.069	-2.00	90+0.000	505.149	504.895	0.254	4.000	505.069	-2.00	4.222	504.736	-150.00
-4.193	505.866	-150.00	-4.000	506.155	-2.00	91+0.000	506.235	505.705	0.530	4.000	506.155	-2.00	4.413	505.536	-150.00
-4.190	507.071	-150.00	-4.000	507.356	-2.00	92+0.000	507.436	506.997	0.439	4.000	507.356	-2.00	4.293	506.917	-150.00
-4.284	508.423	-150.00	-4.000	508.848	-2.00	93+0.000	508.928	508.447	0.481	4.000	508.848	-2.00	4.251	508.471	-150.00
-4.345	509.957	-150.00	-4.000	510.475	-2.00	94+0.000	510.555	510.012	0.543	4.000	510.475	-2.00	4.267	510.075	-150.00
-4.257	511.336	-150.00	-4.000	511.721	-2.00	95+0.000	511.801	511.377	0.424	4.000	511.721	-2.00	4.202	511.418	-150.00
-4.285	512.332	-150.00	-4.000	512.759	-2.00	96+0.000	512.839	512.356	0.483	4.000	512.759	-2.00	4.236	512.404	-150.00
-4.267	513.148	-150.00	-4.000	513.549	-2.00	97+0.000	513.629	513.236	0.392	4.000	513.549	-2.00	4.151	513.323	-150.00
-4.247	513.733	-150.00	-4.000	514.104	-2.00	98+0.000	514.184	513.839	0.345	4.000	514.104	-2.00	4.108	513.942	-150.00
-4.240	514.242	-150.00	-4.000	514.601	-2.00	99+0.000	514.681	514.360	0.321	4.000	514.601	-2.00	4.085	514.474	-150.00
-4.299	514.636	-150.00	-4.000	515.084	-2.00	100+0.000	515.164	514.763	0.401	4.000	515.084	-2.00	4.155	514.851	-150.00
-4.270	514.916	-150.00	-4.000	515.321	-2.00	101+0.000	515.401	514.986	0.415	4.000	515.321	-2.00	4.178	515.055	-150.00
-4.268	515.136	-150.00	-4.000	515.539	-2.00	102+0.000	515.619	515.276	0.342	4.000	515.539	-2.00	4.085	515.411	-150.00
-4.259	515.300	-150.00	-4.000	515.688	-2.00	103+0.000	515.768	515.453	0.316	4.000	515.688	-2.00	4.060	515.598	-150.00
-4.297	515.334	-150.00	-4.000	515.780	-2.00	104+0.000	515.860	515.515	0.344	4.000	515.780	-2.00	4.062	515.687	-150.00
-4.333	515.333	-150.00	-4.000	515.832	-2.00	105+0.000	515.912	515.528	0.384	4.000	515.832	-2.00	4.121	515.651	-150.00
-4.286	515.248	-150.00	-4.000	515.677	-2.00	106+0.000	515.757	515.377	0.380	4.000	515.677	-2.00	4.117	515.501	-150.00
-4.273	515.112	-150.00	-4.000	515.522	-2.00	107+0.000	515.602	515.300	0.302	4.000	515.522	-2.00	4.030	515.477	-150.00
-4.262	514.975	-150.00	-4.000	515.367	-2.00	108+0.000	515.447	515.183	0.264	4.000	515.367	-2.00	4.019	515.380	66.67
-4.297	514.766	-150.00	-4.000	515.212	-2.00	109+0.000	515.292	515.014	0.278	4.000	515.212	-2.00	4.030	515.232	66.67
-4.299	514.608	-150.00	-4.000	515.057	-2.00	110+0.000	515.137	514.869	0.268	4.000	515.057	-2.00	4.065	515.100	66.67
-4.343	514.387	-150.00	-4.000	514.902	-2.00	111+0.000	514.982	514.664	0.318	4.000	514.902	-2.00	4.028	514.920	66.67
-4.381	514.175	-150.00	-4.000	514.747	-2.00	112+0.000	514.827	514.454	0.373	4.000	514.747	-2.00	4.024	514.711	-150.00
-4.410	514.020	-150.00	-4.000	514.635	-2.00	113+0.000	514.715	514.306	0.409	4.000	514.635	-2.00	4.044	514.568	-150.00
-4.394	513.972	-150.00	-4.000	514.563	-2.00	114+0.000	514.643	514.243	0.400	4.000	514.563	-2.00	4.047	514.492	-150.00
-4.365	513.952	-150.00	-4.000	514.499	-2.00	115+0.000	514.579	514.192	0.387	4.000	514.499	-2.00	4.056	514.415	-150.00
-4.383	514.182	-150.00	-4.000	514.757	-2.00	116+0.000	514.837	514.434	0.403	4.000	514.757	-2.00	4.060	514.667	-150.00
-4.409	514.536	-150.00	-4.000	515.150	-2.00	117+0.000	515.230	514.821	0.409	4.000	515.150	-2.00	4.045	515.083	-150.00
-4.413	514.902	-150.00	-4.000	515.521	-2.00	118+0.000	515.601	515.191	0.410	4.000	515.521	-2.00	4.043	515.456	-150.00
-4.437	515.164	-150.00	-4.000	515.819	-2.00	119+0.000	515.899	515.486	0.413	4.000	515.819	-2.00	4.027	515.778	-150.00
-4.413	515.358	-150.00	-4.000	515.978	-2.00	120+0.000	516.058	515.662	0.396	4.000	515.978	-2.00	4.027	515.938	-150.00
-4.428	515.476	-150.00	-4.000	516.118	-2.00	121+0.000	516.198	515.798	0.400	4.000	516.118	-2.00	4.018	516.091	-150.00
-4.428	515.617	-150.00	-4.000	516.259	-2.00	122+0.000	516.339	515.936	0.403	4.000	516.259	-2.00	4.020	516.228	-150.00
-4.385	515.703	-150.00	-4.000	516.282	-2.00	123+0.000	516.362	515.971	0.390	4.000	516.282	-2.00	4.042	516.218	-150.00
-4.388	515.642	-150.00	-4.000	516.224	-2.00	124+0.000	516.304	515.889	0.415	4.000	516.224	-2.00	4.060	516.134	-150.00
-4.365	515.513	-150.00	-4.000	516.061	-2.00	125+0.000	516.141	515.734	0.407	4.000	516.061	-2.00	4.090	515.926	-150.00
-4.358	515.253	-150.00	-4.000	515.790	-2.00	126+0.000	515.870	515.394	0.476	4.000	515.790	-2.00	4.140	515.580	-150.00
-4.194	515.093	-150.00	-4.000	515.384	-2.00	127+0.000	515.464	515.217	0.247	4.000	515.384	-2.00	4.032	515.336	-150.00
-4.234	514.607	-150.00	-4.000	514.958	-2.00	128+0.000	515.038	514.657	0.380	4.000	514.958	-2.00	4.144	514.741	-150.00
-4.228	514.189	-150.00	-4.000	514.532	-2.00	129+0.000	514.612	514.241	0.370	4.000	514.532	-2.00	4.159	514.293	-150.00
-4.150	513.836	-150.00	-4.000	514.061	-2.00	130+0.000	514.141	513.659	0.482	4.000	514.061	-2.00	4.288	513.629	-150.00
-4.075	513.412	-150.00	-4.000	513.525	-2.00	131+0.000	513.605	513.243	0.362	4.000	513.525	-2.00	4.306	513.065	-150.00
-4.021	512.729	-150.00	-4.000	512.761	-2.00	132+0.000	512.841	512.504	0.337	4.000	512.761	-2.00	4.334	512.260	-150.00
-4.145	511.621	66.67	-4.000	511.524	-2.00	133+0.000	511.604	511.274	0.330	4.000	511.524	-2.00	4.413	510.906	-150.00
-4.226	509.762	66.67	-4.000	509.611	-2.00	134+0.000	509.691	509.457	0.234	4.000	509.611	-2.00	4.310	509.146	-150.00
-4.165	507.430	66.67	-4.000	507.320	-2.00	135+0.000	507.400	507.179	0.221	4.000	507.320	-2.00	4.265	506.922	-150.00
-4.043	504.834	66.67	-4.000	504.805	-2.00	136+0.000	504.885	504.590	0.295	4.000	504.805	-2.00	4.317	504.330	-150.00
			-4.000	502.280	-2.00	137+0.000	502.360	502.051	0.309	4.000	502.280	-2.00	4.311	501.813	-150.00
-4.136	500.016	66.67	-4.000	499.925	-2.00	138+0.000	500.005	499.724	0.280	4.000	499.925	-2.00	4.307	499.465	-150.00
-4.263	497.956	66.67	-4.000	497.780	-2.00	139+0.000	497.860	497.661	0.199	4.000	497.780	-2.00	4.276	497.366	-150.00
-4.128	496.057	66.67	-4.000	495.971	-2.00	140+0.000	496.051	495.782	0.270	4.000	495.971	-2.00	4.318	495.494	-150.00
-4.080	494.552	66.67	-4.000	494.499	-2.00	141+0.000	494.579	494.271	0.307	4.000	494.499	-2.00	4.351	493.972	-150.00
			-4.000	493.362	-2.00	142+0.000	493.442	493.116	0.325	4.000	493.362	-2.00	4.342	492.848	-150.00
-4.068	492.459	-150.00	-4.000	492.560	-2.00	143+0.000	492.640	492.254	0.387	4.000	492.560	-2.00	4.379	491.992	-150.00
-4.046	492.026	-150.00	-4.000	492.095	-2.00	144+0.000	492.175	491.835	0.340	4.000	492.095	-2.00	4.308	491.632	-150.00
-4.062	491.704	-150.00	-4.000	491.797	-2.00	145+0.000	491.877	491.496	0.381	4.000	491.797	-2.00	4.349	491.273	-150.00
-4.056	491.414	-150.00	-4.000	491.499	-2.00	146+0.000	491.579	491.198	0.381	4.000	491.499	-2.00	4.356	490.965	-150.00
-4.029	490.872	-150.00	-4.000	490.916	-2.00	147+0.000	490.996	490.640	0.356	4.000	490.916	-2.00	4.351	490.390	-150.00
-4.060	489.927	-150.00	-4.000	490.017	-2.00	148+0.000	490.097	489.769	0.328	4.000	490.017	-2.00	4.290	489.582	-150.00
-4.042	488.515	-150.00	-4.000	488.578	-2.00	149+0.000	488.658	488.350	0.308	4.000	488.578	-2.00	4.270	488.173	-150.00
-4.037	487.060	-150.00	-4.000	487.115	-2.00	150+0.000	487.195	486.889	0.306	4.000	487.115	-2.00	4.271	486.709	-150.00
-4.033	485.511	-150.00	-4.000	485.561	-2.00	151+0.000	485.641	485.342	0.300	4.000	485.561	-2.00	4.266	485.162	-150.00
-4.068	484.088	-150.00	-4.000	484.190	-2.00	152+0.000	484.270	483.982	0.288	4.000	484.190	-2.00	4.212	483.873	-150.00

...valdo Leôncio da Silva Filho
...Programas
...Projetos e Obras - DUPPO

-4.107	482.681	-150.00	-4.000	482.841	-2.00	153+0.000	482.921	482.590	0.332	4.000	482.841	-2.00	4.223	482.507	-150.00
-4.100	481.343	-150.00	-4.000	481.493	-2.00	154+0.000	481.573	481.270	0.303	4.000	481.493	-2.00	4.198	481.195	-150.00
-4.108	479.994	-150.00	-4.000	480.156	-2.00	155+0.000	480.236	479.921	0.315	4.000	480.156	-2.00	4.210	479.841	-150.00
-4.101	478.698	-150.00	-4.000	478.850	-2.00	156+0.000	478.930	478.627	0.303	4.000	478.850	-2.00	4.198	478.553	-150.00
-4.122	477.360	-150.00	-4.000	477.543	-2.00	157+0.000	477.623	477.285	0.338	4.000	477.543	-2.00	4.224	477.207	-150.00
-4.104	476.080	-150.00	-4.000	476.237	-2.00	158+0.000	476.317	476.000	0.317	4.000	476.237	-2.00	4.225	475.899	-150.00
-4.133	474.731	-150.00	-4.000	474.930	-2.00	159+0.000	475.010	474.661	0.349	4.000	474.930	-2.00	4.227	474.590	-150.00
-4.109	473.460	-150.00	-4.000	473.624	-2.00	160+0.000	473.704	473.375	0.328	4.000	473.624	-2.00	4.224	473.288	-150.00
-4.099	472.325	-150.00	-4.000	472.473	-2.00	161+0.000	472.553	472.225	0.328	4.000	472.473	-2.00	4.234	472.122	-150.00
-4.156	471.271	-150.00	-4.000	471.504	-2.00	162+0.000	471.584	471.240	0.344	4.000	471.504	-2.00	4.221	471.172	-150.00
-4.172	470.348	-150.00	-4.000	470.606	-2.00	163+0.000	470.686	470.303	0.383	4.000	470.606	-2.00	4.233	470.256	-150.00
-4.132	469.508	-150.00	-4.000	469.707	-2.00	164+0.000	469.787	469.453	0.333	4.000	469.707	-2.00	4.207	469.397	-150.00
-4.196	468.502	-150.00	-4.000	468.797	-2.00	165+0.000	468.877	468.534	0.342	4.000	468.797	-2.00	4.208	468.485	-150.00
-4.205	467.508	-150.00	-4.000	467.816	-2.00	166+0.000	467.896	467.558	0.338	4.000	467.816	-2.00	4.139	467.608	-150.00
-4.204	466.402	-150.00	-4.000	466.708	-2.00	167+0.000	466.788	466.459	0.329	4.000	466.708	-2.00	4.129	466.515	-150.00
-4.230	465.269	-150.00	-4.000	465.614	-2.00	168+0.000	465.694	465.366	0.328	4.000	465.614	-2.00	4.131	465.417	-150.00
-4.235	464.039	-150.00	-4.000	464.391	-2.00	169+0.000	464.471	464.141	0.330	4.000	464.391	-2.00	4.101	464.239	-150.00
-4.229	462.957	-150.00	-4.000	463.301	-2.00	170+0.000	463.381	463.046	0.335	4.000	463.301	-2.00	4.112	463.132	-150.00
-4.242	461.934	-150.00	-4.000	462.297	-2.00	171+0.000	462.377	462.053	0.324	4.000	462.297	-2.00	4.086	462.168	-150.00
-4.253	460.995	-150.00	-4.000	461.374	-2.00	172+0.000	461.454	461.106	0.348	4.000	461.374	-2.00	4.107	461.214	-150.00
-4.255	460.185	-150.00	-4.000	460.567	-2.00	173+0.000	460.647	460.290	0.357	4.000	460.567	-2.00	4.142	460.354	-150.00
-4.252	459.476	-150.00	-4.000	459.855	-2.00	174+0.000	459.935	459.583	0.352	4.000	459.855	-2.00	4.113	459.685	-150.00
-4.240	459.050	-150.00	-4.000	459.410	-2.00	175+0.000	459.490	459.103	0.388	4.000	459.410	-2.00	4.171	459.154	-150.00
-4.231	458.757	-150.00	-4.000	459.104	-2.00	176+0.000	459.184	458.810	0.374	4.000	459.104	-2.00	4.161	458.862	-150.00
-4.208	458.606	-150.00	-4.000	458.919	-2.00	177+0.000	458.999	458.633	0.366	4.000	458.919	-2.00	4.182	458.645	-150.00
-4.182	458.673	-150.00	-4.000	458.946	-2.00	178+0.000	459.026	458.657	0.369	4.000	458.946	-2.00	4.203	458.641	-150.00
-4.193	458.841	-150.00	-4.000	459.131	-2.00	179+0.000	459.211	458.771	0.440	4.000	459.131	-2.00	4.249	458.757	-150.00
-4.162	459.438	-150.00	-4.000	459.681	-2.00	180+0.000	459.761	459.342	0.418	4.000	459.681	-2.00	4.296	459.237	-150.00
-4.114	460.116	-150.00	-4.000	460.286	-2.00	181+0.000	460.366	459.954	0.412	4.000	460.286	-2.00	4.335	459.784	-150.00
-4.128	461.002	-150.00	-4.000	461.194	-2.00	182+0.000	461.274	460.813	0.461	4.000	461.194	-2.00	4.388	460.611	-150.00
-4.081	461.815	-150.00	-4.000	461.936	-2.00	183+0.000	462.016	461.570	0.445	4.000	461.936	-2.00	4.420	461.305	-150.00
-4.034	462.443	-150.00	-4.000	462.494	-2.00	184+0.000	462.574	462.249	0.325	4.000	462.494	-2.00	4.301	462.043	-150.00
-4.043	462.917	-150.00	-4.000	462.982	-2.00	185+0.000	463.062	462.740	0.323	4.000	462.982	-2.00	4.280	462.562	-150.00
-4.037	463.414	-150.00	-4.000	463.470	-2.00	186+0.000	463.550	463.224	0.326	4.000	463.470	-2.00	4.299	463.022	-150.00
-4.085	463.830	-150.00	-4.000	463.957	-2.00	187+0.000	464.037	463.627	0.411	4.000	463.957	-2.00	4.335	463.454	-150.00
-4.112	464.362	-150.00	-4.000	464.529	-2.00	188+0.000	464.609	464.193	0.416	4.000	464.529	-2.00	4.343	464.015	-150.00
-4.213	464.896	-150.00	-4.000	465.216	-2.00	189+0.000	465.296	464.703	0.593	4.000	465.216	-2.00	4.480	464.497	-150.00
-4.147	465.670	-150.00	-4.000	465.891	-2.00	190+0.000	465.971	465.378	0.593	4.000	465.891	-2.00	4.536	465.087	-150.00
-4.172	466.309	-150.00	-4.000	466.567	-2.00	191+0.000	466.647	466.038	0.609	4.000	466.567	-2.00	4.523	465.782	-150.00
			-4.000	467.174	-2.00	192+0.000	467.254	466.858	0.396	4.000	467.174	-2.00	4.443	466.509	-150.00
-4.369	467.524	66.67	-4.000	467.278	-2.00	193+0.000	467.358	467.124	0.233	4.000	467.278	-2.00	4.384	466.702	-150.00
-4.109	467.408	66.67	-4.000	467.335	-2.00	194+0.000	467.415	467.130	0.285	4.000	467.335	-2.00	4.332	466.837	-150.00
-4.012	467.314	66.67	-4.000	467.306	-2.00	195+0.000	467.386	466.997	0.389	4.000	467.306	-2.00	4.439	466.647	-150.00
			-4.000	466.852	-2.00	196+0.000	466.932	466.522	0.410	4.000	466.852	-2.00	4.449	466.178	-150.00
-4.033	466.271	-150.00	-4.000	466.320	-2.00	197+0.000	466.400	466.010	0.390	4.000	466.320	-2.00	4.385	465.742	-150.00
-4.018	465.761	-150.00	-4.000	465.788	-2.00	198+0.000	465.868	465.498	0.371	4.000	465.788	-2.00	4.382	465.215	-150.00
-4.096	465.020	-150.00	-4.000	465.164	-2.00	199+0.000	465.244	464.810	0.433	4.000	465.164	-2.00	4.345	464.646	-150.00
-4.078	464.390	-150.00	-4.000	464.507	-2.00	200+0.000	464.587	464.231	0.356	4.000	464.507	-2.00	4.296	464.062	-150.00
-4.076	463.641	-150.00	-4.000	463.756	-2.00	201+0.000	463.836	463.487	0.349	4.000	463.756	-2.00	4.287	463.324	-150.00
-4.073	462.740	-150.00	-4.000	462.850	-2.00	202+0.000	462.930	462.599	0.331	4.000	462.850	-2.00	4.245	462.483	-150.00
-4.091	461.543	-150.00	-4.000	461.679	-2.00	203+0.000	461.759	461.422	0.338	4.000	461.679	-2.00	4.256	461.296	-150.00
-4.078	460.334	-150.00	-4.000	460.451	-2.00	204+0.000	460.531	460.218	0.313	4.000	460.451	-2.00	4.236	460.097	-150.00
-4.081	459.019	-150.00	-4.000	459.141	-2.00	205+0.000	459.221	458.888	0.333	4.000	459.141	-2.00	4.260	458.751	-150.00
-4.088	457.402	-150.00	-4.000	457.534	-2.00	206+0.000	457.614	457.309	0.305	4.000	457.534	-2.00	4.198	457.237	-150.00
-4.115	455.799	-150.00	-4.000	455.971	-2.00	207+0.000	456.051	455.742	0.310	4.000	455.971	-2.00	4.192	455.683	-150.00
-4.131	454.212	-150.00	-4.000	454.409	-2.00	208+0.000	454.489	454.159	0.329	4.000	454.409	-2.00	4.202	454.106	-150.00
-4.120	452.791	-150.00	-4.000	452.971	-2.00	209+0.000	453.051	452.727	0.324	4.000	452.971	-2.00	4.205	452.664	-150.00
-4.114	451.456	-150.00	-4.000	451.627	-2.00	210+0.000	451.707	451.396	0.310	4.000	451.627	-2.00	4.194	451.335	-150.00
-4.147	450.777	-150.00	-4.000	450.997	-2.00	211+0.000	451.077	450.718	0.359	4.000	450.997	-2.00	4.108	450.835	-150.00
-4.164	450.285	-150.00	-4.000	450.531	-2.00	212+0.000	450.611	450.315	0.296	4.000	450.531	-2.00	4.124	450.345	-150.00
-4.142	449.851	-150.00	-4.000	450.064	-2.00	213+0.000	450.144	449.819	0.325	4.000	450.064	-2.00	4.185	449.787	-150.00
-4.124	449.407	-150.00	-4.000	449.594	-2.00	214+0.000	449.674	449.318	0.355	4.000	449.594	-2.00	4.284	449.168	-150.00
-4.069	448.581	-150.00	-4.000	448.684	-2.00	215+0.000	448.764	448.417	0.346	4.000	448.684	-2.00	4.290	448.248	-150.00
-4.119	448.044	-150.00	-4.000	448.223	-2.00	216+0.000	448.303	447.891	0.412	4.000	448.223	-2.00	4.250	447.848	-150.00
-4.164	447.695	-150.00	-4.000	447.941	-2.00	217+0.000	448.021	447.593	0.428	4.000	447.941	-2.00	4.302	447.487	-150.00
-4.166	447.480	-150.00	-4.000	447.729	-2.00	218+0.000	447.809	447.359	0.450	4.000	447.729	-2.00	4.331	447.233	-150.00
-4.100	447.409	-150.00	-4.000	447.559	-2.00	219+0.000	447.639	447.250	0.389	4.000	447.559	-2.00	4.318	447.083	-150.00
-4.080	447.297	-150.00	-4.000	447.417	-2.00	220+0.000	447.497	447.118	0.379	4.000	447.417	-2.00	4.327	446.927	-150.00
-4.079	447.406	-150.00	-4.000	447.524	-2.00	221+0.000	447.604	447.234	0.370	4.000	447.524	-2.00	4.304	447.069	-150.00
-4.077	447.517	-150.00	-4.000	447.632	-2.00	222+0.000	447.712	447.336	0.376	4.000	447.632	-2.00	4.325	447.145	-150.00
-4.076	447.626	-150.00	-4.000	447.739	-2.00	223+0.000	447.819	447.450	0.370	4.000	447.739	-2.00	4.320	447.259	-150.00
-4.127	447.593	-150.00	-4.000	447.783	-2.00	224+0.000	447.863	447.440	0.423	4.000	447.783	-2.00	4.336	447.280	-150.00
-4.087	447.458	-150.00	-4.000	447.589	-2.00	225+0.000	447.669	447.351	0.318	4.000	447.589	-2.00	4.240	447.228	-150.00
-4.077	447.031	-150.00	-4.000	447.147	-2.00	226+0.000	447.227	446.863	0.364	4.000	447.147	-2.00	4.317	446.672	-150.00
-4.102	446.344	-150.00	-4.000	446.496	-2.00	227+0.000	446.576	446.240	0.336	4.000	446.496	-2.00	4.242	446.133	-150.00
-4.146	445.828	-150.00	-4.000	446.046	-2.00	228+0.000	446.126	445.818	0.308	4.000	446.046	-2.00	4.159	445.808	-150.00
-4.268	445.269	-150.00	-4.000	445.672	-2.00	229+0.000	445.752	445.314	0.438	4.000	445.672	-2.00	4.209	445.358	-150.00
-4.229	444.917	-150.00	-4.000	445.260	-2.00	230+0.000	445.340	444.974	0.367	4.000	445.260	-2.00	4.170	445.005	-150.00
-4.213	444.444	-150.00	-4.000	444.763	-2.00	231+0.000	444.843	444.449	0.393	4.000	444.763	-2.00	4.205	444.455	-150.00
-4.249	443.892	-150.00	-4.000	444.265	-2.00	232+0.000	444.345	443.895	0.451	4.000	444.265	-2.00	4.245	443.897	-150.00

Oswaldo Leôncio da Silva Filho
Diretor de Desenvolvimento de Programas
Projetos e Obras - DUFEO

-4.245	443.400	-150.00	-4.000	443.768	-2.00	233+0.000	443.848	443.406	0.441	4.000	443.768	-2.00	4.237	443.413	-150.00
-4.199	442.972	-150.00	-4.000	443.270	-2.00	234+0.000	443.350	442.978	0.373	4.000	443.270	-2.00	4.191	442.983	-150.00
-4.140	442.813	-150.00	-4.000	443.023	-2.00	235+0.000	443.103	442.763	0.340	4.000	443.023	-2.00	4.207	442.713	-150.00
-4.169	442.623	-150.00	-4.000	442.877	-2.00	236+0.000	442.957	442.543	0.413	4.000	442.877	-2.00	4.272	442.468	-150.00
-4.142	442.517	-150.00	-4.000	442.730	-2.00	237+0.000	442.810	442.431	0.379	4.000	442.730	-2.00	4.260	442.340	-150.00
-4.136	442.293	-150.00	-4.000	442.497	-2.00	238+0.000	442.577	442.203	0.374	4.000	442.497	-2.00	4.257	442.111	-150.00
-4.133	441.963	-150.00	-4.000	442.162	-2.00	239+0.000	442.242	441.867	0.376	4.000	442.162	-2.00	4.263	441.768	-150.00
-4.148	441.279	-150.00	-4.000	441.501	-2.00	240+0.000	441.581	441.221	0.360	4.000	441.501	-2.00	4.244	441.134	-150.00
-4.129	440.471	-150.00	-4.000	440.665	-2.00	241+0.000	440.745	440.420	0.325	4.000	440.665	-2.00	4.198	440.368	-150.00
-4.174	439.312	-150.00	-4.000	439.573	-2.00	242+0.000	439.653	439.279	0.374	4.000	439.573	-2.00	4.218	439.245	-150.00
-4.176	438.215	-150.00	-4.000	438.479	-2.00	243+0.000	438.559	438.197	0.361	4.000	438.479	-2.00	4.197	438.183	-150.00
-4.156	437.151	-150.00	-4.000	437.385	-2.00	244+0.000	437.465	437.143	0.322	4.000	437.385	-2.00	4.167	437.135	-150.00
-4.186	436.231	-150.00	-4.000	436.510	-2.00	245+0.000	436.590	436.257	0.334	4.000	436.510	-2.00	4.163	436.266	-150.00
-4.219	435.562	-150.00	-4.000	435.891	-2.00	246+0.000	435.971	435.631	0.340	4.000	435.891	-2.00	4.129	435.698	-150.00
-4.243	435.075	-150.00	-4.000	435.439	-2.00	247+0.000	435.519	435.158	0.361	4.000	435.439	-2.00	4.134	435.239	-150.00
-4.246	434.599	-150.00	-4.000	434.968	-2.00	248+0.000	435.048	434.689	0.359	4.000	434.968	-2.00	4.131	434.772	-150.00
-4.256	434.011	-150.00	-4.000	434.396	-2.00	249+0.000	434.476	434.117	0.359	4.000	434.396	-2.00	4.118	434.219	-150.00
-4.219	432.933	-150.00	-4.000	433.261	-2.00	250+0.000	433.341	433.003	0.338	4.000	433.261	-2.00	4.115	433.088	-150.00
-4.219	431.746	-150.00	-4.000	432.075	-2.00	251+0.000	432.155	431.834	0.321	4.000	432.075	-2.00	4.097	431.929	-150.00
-4.209	430.580	-150.00	-4.000	430.895	-2.00	252+0.000	430.975	430.676	0.298	4.000	430.895	-2.00	4.083	430.770	-150.00
-4.148	429.808	-150.00	-4.000	430.030	-2.00	253+0.000	430.110	429.837	0.273	4.000	430.030	-2.00	4.111	429.863	-150.00
-4.121	429.014	-150.00	-4.000	429.196	-2.00	254+0.000	429.276	428.928	0.348	4.000	429.196	-2.00	4.237	428.839	-150.00
-4.164	428.843	-150.00	-4.000	429.089	-2.00	255+0.000	429.169	428.800	0.369	4.000	429.089	-2.00	4.219	428.761	-150.00
-4.113	429.089	-150.00	-4.000	429.259	-2.00	256+0.000	429.339	428.974	0.365	4.000	429.259	-2.00	4.252	428.880	-150.00
-4.067	429.722	-150.00	-4.000	429.822	-2.00	257+0.000	429.902	429.502	0.400	4.000	429.822	-2.00	4.338	429.316	-150.00
-4.084	430.240	-150.00	-4.000	430.366	-2.00	258+0.000	430.446	429.980	0.466	4.000	430.366	-2.00	4.374	429.805	-150.00
-4.109	430.503	-150.00	-4.000	430.666	-2.00	259+0.000	430.746	430.294	0.452	4.000	430.666	-2.00	4.388	430.085	-150.00
-4.012	430.524	-150.00	-4.000	430.543	-2.00	260+0.000	430.623	430.287	0.336	4.000	430.543	-2.00	4.343	430.029	-150.00
-4.024	429.997	-150.00	-4.000	430.032	-2.00	261+0.000	430.112	429.785	0.327	4.000	430.032	-2.00	4.308	429.570	-150.00
-4.079	429.331	-150.00	-4.000	429.449	-2.00	262+0.000	429.529	429.134	0.395	4.000	429.449	-2.00	4.346	428.930	-150.00
-4.049	428.723	-150.00	-4.000	428.796	-2.00	263+0.000	428.876	428.547	0.329	4.000	428.796	-2.00	4.290	428.361	-150.00
-4.102	427.955	-150.00	-4.000	428.108	-2.00	264+0.000	428.188	427.848	0.340	4.000	428.108	-2.00	4.222	427.776	-150.00
-4.111	427.808	-150.00	-4.000	427.974	-2.00	265+0.000	428.054	427.658	0.396	4.000	427.974	-2.00	4.316	427.500	-150.00
-4.116	427.561	-150.00	-4.000	427.735	-2.00	266+0.000	427.815	427.401	0.413	4.000	427.735	-2.00	4.334	427.233	-150.00
-4.140	427.192	-150.00	-4.000	427.402	-2.00	267+0.000	427.482	427.101	0.380	4.000	427.402	-2.00	4.262	427.008	-150.00
-4.119	426.761	-150.00	-4.000	426.939	-2.00	268+0.000	427.019	426.667	0.353	4.000	426.939	-2.00	4.247	426.569	-150.00
-4.142	426.326	-150.00	-4.000	426.540	-2.00	269+0.000	426.620	426.245	0.375	4.000	426.540	-2.00	4.252	426.161	-150.00
-4.130	425.909	-150.00	-4.000	426.105	-2.00	270+0.000	426.185	425.824	0.360	4.000	426.105	-2.00	4.245	425.737	-150.00
-4.104	425.460	-150.00	-4.000	425.616	-2.00	271+0.000	425.696	425.307	0.389	4.000	425.616	-2.00	4.276	425.202	-150.00
-4.136	425.441	-150.00	-4.000	425.645	-2.00	272+0.000	425.725	425.337	0.388	4.000	425.645	-2.00	4.277	425.229	-150.00
-4.099	425.299	-150.00	-4.000	425.447	-2.00	273+0.000	425.527	425.117	0.409	4.000	425.447	-2.00	4.325	424.960	-150.00
-4.120	425.176	-150.00	-4.000	425.356	-2.00	274+0.000	425.436	425.064	0.372	4.000	425.356	-2.00	4.273	424.947	-150.00
-4.106	424.975	-150.00	-4.000	425.134	-2.00	275+0.000	425.214	424.810	0.403	4.000	425.134	-2.00	4.329	424.640	-150.00
-4.071	424.860	-150.00	-4.000	424.966	-2.00	276+0.000	425.046	424.764	0.282	4.000	424.966	-2.00	4.201	424.665	-150.00
-4.115	424.665	-150.00	-4.000	424.837	-2.00	277+0.000	424.917	424.521	0.396	4.000	424.837	-2.00	4.290	424.402	-150.00
-4.155	424.444	-150.00	-4.000	424.676	-2.00	278+0.000	424.756	424.355	0.401	4.000	424.676	-2.00	4.276	424.263	-150.00
-4.127	424.437	-150.00	-4.000	424.627	-2.00	279+0.000	424.707	424.307	0.400	4.000	424.627	-2.00	4.275	424.215	-150.00
-4.175	424.559	-150.00	-4.000	424.821	-2.00	280+0.000	424.901	424.489	0.412	4.000	424.821	-2.00	4.262	424.427	-150.00
-4.166	424.913	-150.00	-4.000	425.162	-2.00	281+0.000	425.242	424.854	0.389	4.000	425.162	-2.00	4.246	424.794	-150.00
-4.194	425.335	-150.00	-4.000	425.626	-2.00	282+0.000	425.706	425.283	0.423	4.000	425.626	-2.00	4.259	425.238	-150.00
-4.222	425.841	-150.00	-4.000	426.173	-2.00	283+0.000	426.253	425.857	0.396	4.000	426.173	-2.00	4.233	425.823	-150.00
-4.266	425.884	-150.00	-4.000	426.282	-2.00	284+0.000	426.362	425.951	0.411	4.000	426.282	-2.00	4.177	426.018	-150.00
-4.289	426.161	-150.00	-4.000	426.594	-2.00	285+0.000	426.674	426.271	0.403	4.000	426.594	-2.00	4.174	426.333	-150.00
-4.264	426.215	-150.00	-4.000	426.610	-2.00	286+0.000	426.690	426.278	0.412	4.000	426.610	-2.00	4.162	426.368	-150.00
-4.327	426.569	-150.00	-4.000	427.059	-2.00	287+0.000	427.139	426.724	0.416	4.000	427.059	-2.00	4.126	426.871	-150.00
-4.353	427.342	-150.00	-4.000	427.872	-2.00	288+0.000	427.952	427.532	0.419	4.000	427.872	-2.00	4.167	427.621	-150.00
-4.291	427.804	-150.00	-4.000	428.241	-2.00	289+0.000	428.321	427.919	0.402	4.000	428.241	-2.00	4.141	428.029	-150.00
-4.299	428.129	-150.00	-4.000	428.577	-2.00	290+0.000	428.657	428.249	0.408	4.000	428.577	-2.00	4.141	428.365	-150.00
-4.318	428.321	-150.00	-4.000	428.798	-2.00	291+0.000	428.878	428.463	0.415	4.000	428.798	-2.00	4.133	428.598	-150.00
-4.315	428.478	-150.00	-4.000	428.951	-2.00	292+0.000	429.031	428.630	0.401	4.000	428.951	-2.00	4.123	428.766	-150.00
-4.314	428.466	-150.00	-4.000	428.936	-2.00	293+0.000	429.016	428.638	0.378	4.000	428.936	-2.00	4.089	428.802	-150.00
-4.303	428.345	-150.00	-4.000	428.800	-2.00	294+0.000	428.880	428.524	0.356	4.000	428.800	-2.00	4.112	428.632	-150.00
-4.336	427.872	-150.00	-4.000	428.375	-2.00	295+0.000	428.455	428.067	0.388	4.000	428.375	-2.00	4.083	428.251	-150.00
-4.344	427.846	-150.00	-4.000	428.362	-2.00	296+0.000	428.442	428.047	0.395	4.000	428.362	-2.00	4.099	428.214	-150.00
-4.344	428.036	-150.00	-4.000	428.552	-2.00	297+0.000	428.632	428.234	0.398	4.000	428.552	-2.00	4.088	428.420	-150.00
-4.389	428.403	-150.00	-4.000	428.986	-2.00	298+0.000	429.066	428.596	0.470	4.000	428.986	-2.00	4.135	428.784	-150.00
-4.374	428.931	-150.00	-4.000	429.492	-2.00	299+0.000	429.572	429.092	0.479	4.000	429.492	-2.00	4.164	429.246	-150.00
-4.345	429.479	-150.00	-4.000	429.997	-2.00	300+0.000	430.077	429.590	0.487	4.000	429.997	-2.00	4.171	429.741	-150.00
-4.251	430.028	-150.00	-4.000	430.405	-2.00	301+0.000	430.485	430.065	0.421	4.000	430.405	-2.00	4.203	430.101	-150.00
-4.273	430.284	-150.00	-4.000	430.694	-2.00	302+0.000	430.774	430.323	0.450	4.000	430.694	-2.00	4.220	430.363	-150.00
-4.176	430.718	-150.00	-4.000	430.982	-2.00	303+0.000	431.062	430.697	0.365	4.000	430.982	-2.00	4.205	430.674	-150.00
-4.213	430.950	-150.00	-4.000	431.270	-2.00	304+0.000	431.350	430.923	0.426	4.000	431.270	-2.00	4.248	430.898	-150.00
-4.181	431.260	-150.00	-4.000	431.532	-2.00	305+0.000	431.612	431.189	0.423	4.000	431.532	-2.00	4.277	431.117	-150.00
-4.244	431.477	-150.00	-4.000	431.842	-2.00	306+0.000	431.922	431.431	0.491	4.000	431.842	-2.00	4.292	431.404	-150.00
-4.172	431.982	-150.00	-4.000	432.240	-2.00	307+0.000	432.320	431.911	0.410	4.000	432.240	-2.00	4.268	431.838	-150.00
-4.217	432.386	-150.00	-4.000	432.711	-2.00	308+0.000	432.791	432.363	0.428	4.000	432.711	-2.00	4.190	432.426	-150.00
-4.261	433.336	-150.00	-4.000	433.727	-2.00	309+0.000	433.807	433.399	0.408	4.000	433.727	-2.00	4.177	433.461	-150.00
-4.339	434.225	-150.00	-4.000	434.734	-2.00	310+0.000	434.814	434.307	0.507	4.000	434.734	-2.00	4.235	434.382	-150.00
-4.367	434.914	-150.00	-4.000	435.464	-2.00	311+0.000	435.544	435.033	0.511	4.000	435.464	-2.00	4.211	435.148	-150.00
-4.264	435.392	-150.00	-4.000	435.788	-2.00	312+0.000	435.868	435.543	0.325	4.000	435.788	-2.00	4.068	435.686	-150.00

Reynaldo Leôncio da Silva Filho
Diretor da Unidade de Programas, Projetos e Obras - DUPPO

-4.299	435.258	-150.00	-4.000	435.707	-2.00	313+0.000	435.787	435.387	0.400	4.000	435.707	-2.00	4.121	435.526	-150.00
-4.320	434.741	-150.00	-4.000	435.221	-2.00	314+0.000	435.301	434.902	0.398	4.000	435.221	-2.00	4.110	435.056	-150.00
-4.294	433.888	-150.00	-4.000	434.329	-2.00	315+0.000	434.409	434.025	0.384	4.000	434.329	-2.00	4.115	434.156	-150.00
-4.213	432.861	-150.00	-4.000	433.181	-2.00	316+0.000	433.261	432.940	0.321	4.000	433.181	-2.00	4.135	432.978	-150.00
-4.172	431.648	-150.00	-4.000	431.906	-2.00	317+0.000	431.986	431.684	0.302	4.000	431.906	-2.00	4.125	431.719	-150.00
-4.227	430.659	-150.00	-4.000	431.000	-2.00	318+0.000	431.080	430.668	0.412	4.000	431.000	-2.00	4.215	430.678	-150.00
-4.171	429.990	-150.00	-4.000	430.246	-2.00	319+0.000	430.326	429.972	0.354	4.000	430.246	-2.00	4.182	429.974	-150.00
-4.163	429.819	-150.00	-4.000	430.064	-2.00	320+0.000	430.144	429.774	0.369	4.000	430.064	-2.00	4.223	429.729	-150.00
-4.156	429.667	-150.00	-4.000	429.902	-2.00	321+0.000	429.982	429.584	0.397	4.000	429.902	-2.00	4.265	429.505	-150.00
-4.141	429.540	-150.00	-4.000	429.751	-2.00	322+0.000	429.831	429.485	0.346	4.000	429.751	-2.00	4.195	429.458	-150.00
-4.174	429.356	-150.00	-4.000	429.617	-2.00	323+0.000	429.697	429.339	0.358	4.000	429.617	-2.00	4.197	429.322	-150.00
-4.171	428.854	-150.00	-4.000	429.110	-2.00	324+0.000	429.190	428.811	0.379	4.000	429.110	-2.00	4.229	428.768	-150.00
-4.177	428.136	-150.00	-4.000	428.402	-2.00	325+0.000	428.482	428.091	0.391	4.000	428.402	-2.00	4.175	428.139	-150.00
-4.167	427.443	-150.00	-4.000	427.694	-2.00	326+0.000	427.774	427.462	0.312	4.000	427.694	-2.00	4.142	427.481	-150.00
-4.146	426.767	-150.00	-4.000	426.985	-2.00	327+0.000	427.065	426.772	0.293	4.000	426.985	-2.00	4.144	426.769	-150.00
-4.162	426.058	-150.00	-4.000	426.301	-2.00	328+0.000	426.381	426.030	0.351	4.000	426.301	-2.00	4.199	426.003	-150.00
-4.171	425.502	-150.00	-4.000	425.759	-2.00	329+0.000	425.839	425.475	0.365	4.000	425.759	-2.00	4.180	425.490	-150.00
-4.171	425.118	-150.00	-4.000	425.375	-2.00	330+0.000	425.455	425.087	0.368	4.000	425.375	-2.00	4.194	425.084	-150.00
-4.175	424.853	-150.00	-4.000	425.115	-2.00	331+0.000	425.195	424.821	0.373	4.000	425.115	-2.00	4.216	424.790	-150.00
-4.140	424.654	-150.00	-4.000	424.864	-2.00	332+0.000	424.944	424.593	0.351	4.000	424.864	-2.00	4.222	424.531	-150.00
-4.181	424.337	-150.00	-4.000	424.608	-2.00	333+0.000	424.688	424.297	0.390	4.000	424.608	-2.00	4.205	424.300	-150.00
-4.154	424.120	-150.00	-4.000	424.350	-2.00	334+0.000	424.430	424.063	0.368	4.000	424.350	-2.00	4.231	424.004	-150.00
-4.149	423.869	-150.00	-4.000	424.093	-2.00	335+0.000	424.173	423.819	0.354	4.000	424.093	-2.00	4.217	423.768	-150.00
-4.167	423.586	-150.00	-4.000	423.837	-2.00	336+0.000	423.917	423.538	0.379	4.000	423.837	-2.00	4.216	423.513	-150.00
-4.173	423.323	-150.00	-4.000	423.583	-2.00	337+0.000	423.663	423.310	0.352	4.000	423.583	-2.00	4.190	423.298	-150.00
-4.176	423.065	-150.00	-4.000	423.329	-2.00	338+0.000	423.409	423.051	0.358	4.000	423.329	-2.00	4.195	423.037	-150.00
-4.203	422.791	-150.00	-4.000	423.095	-2.00	339+0.000	423.175	422.777	0.398	4.000	423.095	-2.00	4.211	422.779	-150.00
-4.260	422.528	-150.00	-4.000	422.918	-2.00	340+0.000	422.998	422.616	0.382	4.000	422.918	-2.00	4.144	422.702	-150.00
-4.262	422.349	-150.00	-4.000	422.742	-2.00	341+0.000	422.822	422.443	0.379	4.000	422.742	-2.00	4.138	422.535	-150.00
-4.266	422.166	-150.00	-4.000	422.565	-2.00	342+0.000	422.645	422.279	0.366	4.000	422.565	-2.00	4.118	422.387	-150.00
-4.283	421.996	-150.00	-4.000	422.421	-2.00	343+0.000	422.501	422.132	0.369	4.000	422.421	-2.00	4.100	422.270	-150.00
-4.292	421.887	-150.00	-4.000	422.325	-2.00	344+0.000	422.405	422.053	0.352	4.000	422.325	-2.00	4.077	422.209	-150.00
-4.307	421.769	-150.00	-4.000	422.229	-2.00	345+0.000	422.309	421.939	0.371	4.000	422.229	-2.00	4.088	422.098	-150.00
-4.303	421.679	-150.00	-4.000	422.134	-2.00	346+0.000	422.214	421.855	0.358	4.000	422.134	-2.00	4.090	421.998	-150.00
-4.316	421.565	-150.00	-4.000	422.039	-2.00	347+0.000	422.119	421.737	0.382	4.000	422.039	-2.00	4.092	421.900	-150.00
-4.350	421.432	-150.00	-4.000	421.958	-2.00	348+0.000	422.038	421.617	0.421	4.000	421.958	-2.00	4.111	421.791	-150.00
-4.372	421.319	-150.00	-4.000	421.877	-2.00	349+0.000	421.957	421.531	0.425	4.000	421.877	-2.00	4.097	421.731	-150.00
-4.337	421.290	-150.00	-4.000	421.795	-2.00	350+0.000	421.875	421.478	0.398	4.000	421.795	-2.00	4.095	421.653	-150.00
-4.381	421.216	-150.00	-4.000	421.787	-2.00	351+0.000	421.867	421.416	0.451	4.000	421.787	-2.00	4.120	421.607	-150.00
-4.391	421.250	-150.00	-4.000	421.837	-2.00	352+0.000	421.917	421.465	0.451	4.000	421.837	-2.00	4.114	421.666	-150.00
-4.394	421.325	-150.00	-4.000	421.916	-2.00	353+0.000	421.996	421.545	0.451	4.000	421.916	-2.00	4.115	421.743	-150.00
-4.369	421.459	-150.00	-4.000	422.014	-2.00	354+0.000	422.094	421.683	0.411	4.000	422.014	-2.00	4.081	421.892	-150.00
-4.343	421.590	-150.00	-4.000	422.104	-2.00	355+0.000	422.184	421.803	0.381	4.000	422.104	-2.00	4.067	422.003	-150.00
-4.294	421.717	-150.00	-4.000	422.158	-2.00	356+0.000	422.238	421.900	0.338	4.000	422.158	-2.00	4.057	422.073	-150.00
-4.312	421.696	-150.00	-4.000	422.163	-2.00	357+0.000	422.243	421.854	0.390	4.000	422.163	-2.00	4.097	422.017	-150.00
-4.298	421.527	-150.00	-4.000	421.974	-2.00	358+0.000	422.054	421.687	0.366	4.000	421.974	-2.00	4.096	421.829	-150.00
-4.293	421.102	-150.00	-4.000	421.541	-2.00	359+0.000	421.621	421.233	0.388	4.000	421.541	-2.00	4.122	421.359	-150.00
-4.317	420.557	-150.00	-4.000	421.033	-2.00	360+0.000	421.113	420.668	0.445	4.000	421.033	-2.00	4.167	420.783	-150.00
-4.254	420.021	-150.00	-4.000	420.403	-2.00	361+0.000	420.483	420.104	0.379	4.000	420.403	-2.00	4.145	420.185	-150.00
-4.245	419.406	-150.00	-4.000	419.773	-2.00	362+0.000	419.853	419.433	0.419	4.000	419.773	-2.00	4.208	419.461	-150.00
-4.211	418.820	-150.00	-4.000	419.136	-2.00	363+0.000	419.216	418.810	0.406	4.000	419.136	-2.00	4.224	418.800	-150.00
-4.177	418.217	-150.00	-4.000	418.482	-2.00	364+0.000	418.562	418.122	0.440	4.000	418.482	-2.00	4.296	418.038	-150.00
-4.186	417.623	-150.00	-4.000	417.901	-2.00	365+0.000	417.981	417.634	0.347	4.000	417.901	-2.00	4.203	417.597	-150.00
-4.158	417.216	-150.00	-4.000	417.454	-2.00	366+0.000	417.534	417.126	0.407	4.000	417.454	-2.00	4.284	417.028	-150.00
-4.113	416.856	-150.00	-4.000	417.024	-2.00	367+0.000	417.104	416.768	0.337	4.000	417.024	-2.00	4.232	416.677	-150.00
-4.203	416.557	-150.00	-4.000	416.862	-2.00	368+0.000	416.942	416.477	0.466	4.000	416.862	-2.00	4.230	416.518	-150.00
-4.254	416.421	-150.00	-4.000	416.802	-2.00	369+0.000	416.882	416.450	0.432	4.000	416.802	-2.00	4.215	416.479	-150.00
-4.236	416.387	-150.00	-4.000	416.741	-2.00	370+0.000	416.821	416.419	0.402	4.000	416.741	-2.00	4.194	416.450	-150.00
-4.209	416.367	-150.00	-4.000	416.681	-2.00	371+0.000	416.761	416.364	0.397	4.000	416.681	-2.00	4.196	416.386	-150.00
-4.298	416.174	-150.00	-4.000	416.620	-2.00	372+0.000	416.700	416.250	0.450	4.000	416.620	-2.00	4.197	416.325	-150.00
-4.240	416.196	-150.00	-4.000	416.556	-2.00	373+0.000	416.636	416.251	0.385	4.000	416.556	-2.00	4.170	416.302	-150.00
-4.157	416.071	-150.00	-4.000	416.307	-2.00	374+0.000	416.387	416.055	0.331	4.000	416.307	-2.00	4.138	416.100	-150.00
-4.126	415.860	-150.00	-4.000	416.049	-2.00	375+0.000	416.129	415.934	0.195	4.000	416.049	-2.00	4.029	416.006	-150.00
-4.155	415.566	-150.00	-4.000	415.799	-2.00	376+0.000	415.879	415.527	0.352	4.000	415.799	-2.00	4.208	415.487	-150.00
-4.151	415.457	-150.00	-4.000	415.683	-2.00	377+0.000	415.763	415.413	0.350	4.000	415.683	-2.00	4.210	415.368	-150.00
-4.223	415.234	-150.00	-4.000	415.568	-2.00	378+0.000	415.648	415.232	0.416	4.000	415.568	-2.00	4.160	415.328	-150.00
-4.262	415.049	-150.00	-4.000	415.442	-2.00	379+0.000	415.522	415.139	0.384	4.000	415.442	-2.00	4.145	415.225	-150.00
-4.257	414.882	-150.00	-4.000	415.268	-2.00	380+0.000	415.348	414.983	0.365	4.000	415.268	-2.00	4.125	415.081	-150.00
-4.227	414.764	-150.00	-4.000	415.105	-2.00	381+0.000	415.185	414.877	0.308	4.000	415.105	-2.00	4.080	414.985	-150.00
-4.265	414.544	-150.00	-4.000	414.942	-2.00	382+0.000	415.022	414.658	0.364	4.000	414.942	-2.00	4.080	414.822	-150.00
-4.358	414.277	-150.00	-4.000	414.814	-2.00	383+0.000	414.894	414.510	0.384	4.000	414.814	-2.00	4.058	414.727	-150.00
-4.364	414.159	-150.00	-4.000	414.705	-2.00	384+0.000	414.785	414.385	0.400	4.000	414.705	-2.00	4.074	414.595	-150.00
-4.342	414.083	-150.00	-4.000	414.596	-2.00	385+0.000	414.676	414.296	0.381	4.000	414.596	-2.00	4.068	414.494	-150.00
-4.334	413.985	-150.00	-4.000	414.486	-2.00	386+0.000	414.566	414.186	0.380	4.000	414.486	-2.00	4.084	414.359	-150.00
-4.358	413.788	-150.00	-4.000	414.325	-2.00	387+0.000	414.405	413.973	0.431	4.000	414.325	-2.00	4.108	414.162	-150.00
-4.337	413.608	-150.00	-4.000	414.114	-2.00	388+0.000	414.194	413.779	0.414	4.000	414.114	-2.00	4.102	413.960	-150.00
-4.327	413.336	-150.00	-4.000	413.826	-2.00	389+0.000	413.906	413.466	0.441	4.000	413.826	-2.00	4.157	413.590	-150.00
-4.318	412.986	-150.00	-4.000	413.462	-2.00	390+0.000	413.542	413.059	0.483	4.000	413.462	-2.00	4.221	413.131	-150.00
-4.274	412.611	-150.00	-4.000	413.022	-2.00	391+0.000	413.102	412.642	0.461	4.000	413.022	-2.00	4.242	412.659	-150.00
-4.208	412.194	-150.00	-4.000	412.506	-2.00	392+0.000	412.586	412.201	0.385	4.000	412.506	-2.00	4.198	412.208	-150.00

Osvaldo Leoncio da Silva [illegible]
Diretoria Unidade de Programas
Projetos e Obras - DUPPO
[illegible]

-4.123	411.728	-150.00	-4.000	411.913	-2.00	393+0.000	411.993	411.705	0.288	4.000	411.913	-2.00	4.142	411.699	-150.00
-4.099	411.097	-150.00	-4.000	411.245	-2.00	394+0.000	411.325	411.067	0.258	4.000	411.245	-2.00	4.139	411.037	-150.00
-4.137	410.391	-150.00	-4.000	410.597	-2.00	395+0.000	410.677	410.376	0.300	4.000	410.597	-2.00	4.157	410.361	-150.00
-4.117	409.850	-150.00	-4.000	410.026	-2.00	396+0.000	410.106	409.836	0.270	4.000	410.026	-2.00	4.126	409.837	-150.00
-4.046	409.465	-150.00	-4.000	409.534	-2.00	397+0.000	409.614	409.463	0.151	4.000	409.534	-2.00	4.048	409.462	-150.00
-4.092	409.175	66.67	-4.000	409.114	-2.00	398+0.000	409.194	409.194	0.000	4.000	409.114	-2.00	4.148	409.212	66.67

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades (Sec.)

SECRETARIA
DAS **CIDADES** - SECID

GOVERNO DO
PIAUÍ
AQUI TEM TRABALHO.
AQUI TEM FUTURO.

TRECHO 2: POVOADO TANQUE NOVO AO POVOADO LAJE DE PEDRA

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
0+0,00	0,360	0,120	0,000	0,000	0,000	0,000	0,000
1+0,00	0,000	2,620	3,650	27,410	3,650	27,410	-23,760
2+0,00	0,000	3,230	0,000	58,520	3,650	85,930	-82,280
3+0,00	0,000	3,260	0,000	64,930	3,650	150,860	-147,210
4+0,00	0,000	3,200	0,000	64,660	3,650	215,520	-211,870
5+0,00	0,000	3,210	0,000	64,100	3,650	279,620	-275,970
6+0,00	0,000	3,120	0,000	63,310	3,650	342,930	-339,280
7+0,00	0,000	3,060	0,000	61,810	3,650	404,740	-401,090
8+0,00	0,000	2,970	0,000	60,290	3,650	465,030	-461,380
9+0,00	0,000	3,010	0,000	59,880	3,650	524,910	-521,260
10+0,00	0,000	2,950	0,000	59,850	3,650	584,760	-581,110
11+0,00	0,000	2,770	0,000	57,720	3,650	642,480	-638,830
12+0,00	0,000	3,070	0,000	58,570	3,650	701,050	-697,400
13+0,00	0,000	2,920	0,000	59,900	3,650	760,950	-757,300
14+0,00	0,000	2,980	0,000	58,950	3,650	819,900	-816,250
15+0,00	0,000	2,800	0,000	57,790	3,650	877,690	-874,040
16+0,00	0,000	2,860	0,000	56,440	3,650	934,140	-930,490
17+0,00	0,000	2,970	0,000	58,040	3,650	992,170	-988,520
18+0,00	0,000	3,530	0,000	64,910	3,650	1057,080	-1053,430
19+0,00	0,000	2,920	0,000	64,460	3,650	1121,540	-1117,890
20+0,00	0,000	2,860	0,000	57,820	3,650	1179,360	-1175,710
21+0,00	0,000	2,890	0,000	57,570	3,650	1236,930	-1233,280
22+0,00	0,000	2,970	0,000	58,740	3,650	1295,660	-1292,010
23+0,00	0,000	2,930	0,000	59,080	3,650	1354,740	-1351,090
24+0,00	0,000	2,820	0,000	57,470	3,650	1412,220	-1408,570
25+0,00	0,000	2,900	0,000	57,160	3,650	1469,380	-1465,730
26+0,00	0,000	1,880	0,000	47,780	3,650	1517,160	-1513,510
27+0,00	0,000	2,770	0,000	46,510	3,650	1563,670	-1560,020
28+0,00	0,000	2,620	0,000	53,940	3,650	1617,600	-1613,950
29+0,00	0,000	2,830	0,000	54,480	3,650	1672,090	-1668,440
30+0,00	0,000	2,580	0,000	54,030	3,650	1726,110	-1722,460
31+0,00	0,000	2,620	0,000	51,940	3,650	1778,060	-1774,410
32+0,00	0,000	2,610	0,000	52,310	3,650	1830,360	-1826,710
33+0,00	0,000	2,710	0,000	53,230	3,650	1883,590	-1879,940
34+0,00	0,000	2,580	0,000	52,860	3,650	1936,450	-1932,800
35+0,00	0,000	2,950	0,000	55,290	3,650	1991,740	-1988,090
36+0,00	0,000	2,770	0,000	57,220	3,650	2048,970	-2045,320
37+0,00	0,000	2,950	0,000	57,210	3,650	2106,180	-2102,530
38+0,00	0,000	3,010	0,000	59,630	3,650	2165,810	-2162,160
39+0,00	0,000	2,850	0,000	58,680	3,650	2224,480	-2220,830
40+0,00	0,000	2,670	0,000	55,300	3,650	2279,780	-2276,130
41+0,00	0,000	2,600	0,000	52,770	3,650	2332,550	-2328,900
42+0,00	0,000	2,770	0,000	53,790	3,650	2386,350	-2382,700
43+0,00	0,000	2,820	0,000	56,030	3,650	2442,380	-2438,730
44+0,00	0,000	2,570	0,000	54,010	3,650	2496,390	-2492,740
45+0,00	0,000	3,110	0,000	56,760	3,650	2553,150	-2549,500
46+0,00	0,000	3,060	0,000	61,770	3,650	2614,930	-2611,280
47+0,00	0,000	2,830	0,000	58,980	3,650	2673,900	-2670,250
48+0,00	0,000	2,810	0,000	56,400	3,650	2730,300	-2726,650
49+0,00	0,000	2,800	0,000	56,150	3,650	2786,460	-2782,810
50+0,00	0,000	2,690	0,000	54,880	3,650	2841,340	-2837,690
51+0,00	0,000	3,030	0,000	57,220	3,650	2898,560	-2894,910
52+0,00	0,000	2,970	0,000	60,010	3,650	2958,560	-2954,910
53+0,00	0,000	2,710	0,000	56,850	3,650	3015,420	-3011,770
54+0,00	0,000	2,330	0,000	50,410	3,650	3065,820	-3062,170
55+0,00	0,000	2,360	0,000	46,920	3,650	3112,740	-3109,090

Osvaldo Leôncio [illegible]
Diretor da Unidade de Projetos
Projetos e Obras - DUPO
Secretaria das Cidades (Secid)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
56+0,00	0,000	2,890	0,000	52,510	3,650	3165,250	-3161,600
57+0,00	0,000	3,620	0,000	65,110	3,650	3230,360	-3226,710
58+0,00	0,000	2,850	0,000	64,780	3,650	3295,140	-3291,490
59+0,00	0,000	2,840	0,000	56,920	3,650	3352,060	-3348,410
60+0,00	0,000	2,620	0,000	54,550	3,650	3406,610	-3402,960
61+0,00	0,000	2,350	0,000	49,730	3,650	3456,340	-3452,690
62+0,00	0,000	2,510	0,000	48,600	3,650	3504,940	-3501,290
63+0,00	0,000	2,250	0,000	47,520	3,650	3552,470	-3548,820
64+0,00	0,000	2,620	0,000	48,640	3,650	3601,100	-3597,450
65+0,00	0,000	3,010	0,000	56,220	3,650	3657,320	-3653,670
66+0,00	0,000	2,690	0,000	56,950	3,650	3714,270	-3710,620
67+0,00	0,000	2,740	0,000	54,330	3,650	3768,610	-3764,960
68+0,00	0,000	2,120	0,000	48,670	3,650	3817,280	-3813,630
69+0,00	0,000	2,720	0,000	48,410	3,650	3865,690	-3862,040
70+0,00	0,000	2,940	0,000	56,530	3,650	3922,210	-3918,560
71+0,00	0,000	2,820	0,000	57,530	3,650	3979,740	-3976,090
72+0,00	0,000	3,270	0,000	60,830	3,650	4040,570	-4036,920
73+0,00	0,000	3,010	0,000	62,840	3,650	4103,410	-4099,760
74+0,00	0,000	2,750	0,000	57,680	3,650	4161,090	-4157,440
75+0,00	0,000	0,000	0,000	27,530	3,650	4188,620	-4184,970
76+0,00	0,000	2,950	0,000	29,530	3,650	4218,150	-4214,500
77+0,00	0,000	3,090	0,000	60,480	3,650	4278,630	-4274,980
78+0,00	0,000	3,080	0,000	61,800	3,650	4340,430	-4336,780
79+0,00	0,000	0,000	0,000	30,880	3,650	4371,310	-4367,660
80+0,00	0,000	3,470	0,000	34,760	3,650	4406,070	-4402,420
81+0,00	0,000	3,540	0,000	70,170	3,650	4476,240	-4472,590
82+0,00	0,000	4,240	0,000	77,830	3,650	4554,070	-4550,420
83+0,00	0,000	3,810	0,000	80,390	3,650	4634,450	-4630,800
84+0,00	0,000	3,990	0,000	77,880	3,650	4712,330	-4708,680
85+0,00	0,000	2,730	0,000	67,050	3,650	4779,380	-4775,730
86+0,00	0,000	2,080	0,000	47,950	3,650	4827,330	-4823,680
87+0,00	0,000	2,200	0,000	42,830	3,650	4870,160	-4866,510
88+0,00	0,000	2,980	0,000	52,000	3,650	4922,160	-4918,510
89+0,00	0,000	1,800	0,000	47,950	3,650	4970,110	-4966,460
90+0,00	0,000	1,790	0,000	35,970	3,650	5006,090	-5002,440
91+0,00	0,000	4,080	0,000	58,660	3,650	5064,750	-5061,100
92+0,00	0,000	3,280	0,000	73,650	3,650	5138,390	-5134,740
93+0,00	0,000	0,000	0,000	32,860	3,650	5171,260	-5167,610
94+0,00	0,000	4,160	0,000	41,610	3,650	5212,870	-5209,220
95+0,00	0,000	3,150	0,000	73,230	3,650	5286,100	-5282,450
96+0,00	0,000	3,610	0,000	67,680	3,650	5353,780	-5350,130
97+0,00	0,000	2,890	0,000	64,900	3,650	5418,680	-5415,030
98+0,00	0,000	2,490	0,000	53,680	3,650	5472,360	-5468,710
99+0,00	0,000	2,300	0,000	47,860	3,650	5520,220	-5516,570
100+0,00	0,000	3,000	0,000	52,950	3,650	5573,160	-5569,510
101+0,00	0,000	3,080	0,000	60,790	3,650	5633,950	-5630,300
102+0,00	0,000	2,480	0,000	55,580	3,650	5689,530	-5685,880
103+0,00	0,000	2,260	0,000	47,340	3,650	5736,870	-5733,220
104+0,00	0,000	2,500	0,000	47,580	3,650	5784,450	-5780,800
105+0,00	0,000	2,950	0,000	54,510	3,650	5838,970	-5835,320
106+0,00	0,000	2,790	0,000	57,400	3,650	5896,360	-5892,710
107+0,00	0,000	2,150	0,000	49,440	3,650	5945,800	-5942,150
108+0,00	0,000	1,840	0,010	39,950	3,660	5985,750	-5982,090
109+0,00	0,000	1,980	0,040	38,260	3,700	6024,010	-6020,310
110+0,00	0,010	1,910	0,140	38,990	3,840	6063,000	-6059,160
111+0,00	0,000	2,310	0,130	42,250	3,970	6105,250	-6101,280
112+0,00	0,000	2,770	0,020	50,800	3,990	6156,050	-6152,060
113+0,00	0,000	3,070	0,000	58,410	3,990	6214,450	-6210,460
114+0,00	0,000	3,000	0,000	60,760	3,990	6275,210	-6271,220
115+0,00	0,000	2,880	0,000	58,860	3,990	6334,080	-6330,090
116+0,00	0,000	3,010	0,000	59,080	3,990	6393,160	-6389,170
117+0,00	0,000	3,070	0,000	60,820	3,990	6453,980	-6449,990
118+0,00	0,000	3,080	0,000	61,550	3,990	6515,520	-6511,530
119+0,00	0,000	3,120	0,000	62,050	3,990	6577,570	-6573,580
120+0,00	0,000	2,970	0,000	61,030	3,990	6638,610	-6634,620

Osvaldo Leôncio da Silva Filho
Diretor de Gestão de Programas
Projetos e Obras - DUPPO
Secretaria de Estado Social

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
121+0,00	0,000	3,010	0,000	59,870	3,990	6698,480	-6694,490
122+0,00	0,000	3,040	0,000	60,450	3,990	6758,930	-6754,940
123+0,00	0,000	2,910	0,000	59,480	3,990	6818,410	-6814,420
124+0,00	0,000	3,090	0,000	60,040	3,990	6878,440	-6874,450
125+0,00	0,000	3,050	0,000	61,460	3,990	6939,900	-6935,910
126+0,00	0,000	3,510	0,000	65,690	3,990	7005,590	-7001,600
127+0,00	0,000	1,680	0,000	51,990	3,990	7057,580	-7053,590
128+0,00	0,000	2,730	0,000	44,210	3,990	7101,790	-7097,800
129+0,00	0,000	2,700	0,000	54,360	3,990	7156,150	-7152,160
130+0,00	0,000	3,330	0,000	60,300	3,990	7216,450	-7212,460
131+0,00	0,000	2,650	0,000	59,670	3,990	7276,120	-7272,130
132+0,00	0,000	2,460	0,000	50,650	3,990	7326,770	-7322,780
133+0,00	0,040	2,470	0,410	49,010	4,400	7375,780	-7371,380
134+0,00	0,110	1,720	1,580	41,400	5,990	7417,180	-7411,190
135+0,00	0,070	1,560	1,870	32,550	7,860	7449,740	-7441,880
136+0,00	0,000	2,120	0,750	36,700	8,610	7486,430	-7477,820
137+0,00	0,000	2,220	0,050	43,360	8,660	7529,800	-7521,140
138+0,00	0,040	1,980	0,420	41,950	9,080	7571,750	-7562,670
139+0,00	0,160	1,460	2,010	34,500	11,090	7606,250	-7595,160
140+0,00	0,040	1,940	1,980	34,160	13,070	7640,410	-7627,340
141+0,00	0,010	0,000	0,540	19,480	13,600	7659,890	-7646,290
142+0,00	0,000	2,370	0,150	23,690	13,750	7683,580	-7669,830
143+0,00	0,000	2,930	0,000	52,950	13,750	7736,530	-7722,780
144+0,00	0,000	2,470	0,000	53,960	13,750	7790,490	-7776,740
145+0,00	0,000	2,820	0,000	52,880	13,750	7843,370	-7829,620
146+0,00	0,000	2,820	0,000	56,420	13,750	7899,790	-7886,040
147+0,00	0,000	2,610	0,000	54,360	13,750	7954,160	-7940,410
148+0,00	0,000	2,380	0,000	49,900	13,750	8004,060	-7990,310
149+0,00	0,000	2,200	0,000	45,800	13,750	8049,860	-8036,110
150+0,00	0,000	2,180	0,000	43,840	13,750	8093,710	-8079,960
151+0,00	0,000	2,130	0,000	43,130	13,750	8136,840	-8123,090
152+0,00	0,000	2,020	0,000	41,470	13,750	8178,320	-8164,570
153+0,00	0,000	2,370	0,000	43,890	13,750	8222,200	-8208,450
154+0,00	0,000	2,140	0,000	45,080	13,750	8267,280	-8253,530
155+0,00	0,000	2,250	0,000	43,920	13,750	8311,200	-8297,450
156+0,00	0,000	2,140	0,000	43,930	13,750	8355,140	-8341,390
157+0,00	0,000	2,440	0,000	45,770	13,750	8400,910	-8387,160
158+0,00	0,000	2,270	0,000	47,110	13,750	8448,010	-8434,260
159+0,00	0,000	0,000	0,000	22,750	13,750	8470,760	-8457,010
160+0,00	0,000	2,350	0,000	23,540	13,750	8494,300	-8480,550
161+0,00	0,000	2,350	0,000	47,060	13,750	8541,370	-8527,620
162+0,00	0,000	2,510	0,000	48,620	13,750	8589,980	-8576,230
163+0,00	0,000	2,810	0,000	53,160	13,750	8643,150	-8629,400
164+0,00	0,000	2,390	0,000	52,000	13,750	8695,150	-8681,400
165+0,00	0,000	2,630	0,000	50,240	13,750	8745,390	-8731,640
166+0,00	0,000	2,430	0,000	50,580	13,750	8795,970	-8782,220
167+0,00	0,000	2,360	0,000	47,840	13,750	8843,810	-8830,060
168+0,00	0,000	2,430	0,000	47,850	13,750	8891,660	-8877,910
169+0,00	0,000	2,370	0,000	47,920	13,750	8939,580	-8925,830
170+0,00	0,000	2,410	0,000	47,760	13,750	8987,340	-8973,590
171+0,00	0,000	2,320	0,000	47,230	13,750	9034,570	-9020,820
172+0,00	0,000	2,520	0,000	48,390	13,750	9082,960	-9069,210
173+0,00	0,000	2,660	0,000	51,770	13,750	9134,730	-9120,980
174+0,00	0,000	2,550	0,000	52,060	13,750	9186,790	-9173,040
175+0,00	0,000	2,850	0,000	53,950	13,750	9240,740	-9226,990
176+0,00	0,000	2,730	0,000	55,710	13,750	9296,450	-9282,700
177+0,00	0,000	2,670	0,000	54,000	13,750	9350,450	-9336,700
178+0,00	0,000	2,690	0,000	53,600	13,750	9404,050	-9390,300
179+0,00	0,000	3,180	0,000	58,720	13,750	9462,770	-9449,020
180+0,00	0,000	3,120	0,000	63,070	13,750	9525,840	-9512,090
181+0,00	0,000	3,070	0,000	61,900	13,750	9587,740	-9573,990
182+0,00	0,000	0,000	0,000	30,690	13,750	9618,430	-9604,680
183+0,00	0,000	3,370	0,000	33,740	13,750	9652,180	-9638,430
184+0,00	0,000	2,350	0,000	57,220	13,750	9709,390	-9695,640
185+0,00	0,000	2,310	0,000	46,570	13,750	9755,960	-9742,210

Osvaldo Leôncio da Silva Filho
Diretoria Unidade de Programas, Projetos e Obras - DUPPO
Secretaria [illegible]

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
186+0,00	0,000	2,350	0,000	46,600	13,750	9802,560	-9788,810
187+0,00	0,000	2,980	0,000	53,350	13,750	9855,920	-9842,170
188+0,00	0,000	3,110	0,000	60,900	13,750	9916,820	-9903,070
189+0,00	0,000	4,630	0,000	77,350	13,750	9994,160	-9980,410
190+0,00	0,000	4,640	0,000	92,720	13,750	10086,880	-10073,130
191+0,00	0,000	4,720	0,000	93,630	13,750	10180,510	-10166,760
192+0,00	0,000	0,000	0,000	47,160	13,750	10227,670	-10213,920
193+0,00	0,240	1,870	2,420	18,630	16,170	10246,300	-10230,130
194+0,00	0,030	2,070	2,720	39,180	18,890	10285,480	-10266,590
195+0,00	0,000	2,930	0,280	49,850	19,170	10335,330	-10316,160
196+0,00	0,000	3,090	0,000	60,110	19,170	10395,440	-10376,270
197+0,00	0,000	2,880	0,000	59,750	19,180	10455,180	-10436,000
198+0,00	0,000	2,750	0,000	56,300	19,180	10511,490	-10492,310
199+0,00	0,000	3,170	0,000	59,240	19,180	10570,730	-10551,550
200+0,00	0,000	2,600	0,000	57,740	19,180	10628,460	-10609,280
201+0,00	0,000	2,540	0,000	51,410	19,180	10679,880	-10660,700
202+0,00	0,000	2,320	0,000	48,640	19,180	10728,520	-10709,340
203+0,00	0,000	2,440	0,000	47,660	19,180	10776,180	-10757,000
204+0,00	0,000	2,230	0,000	46,770	19,180	10822,950	-10803,770
205+0,00	0,000	2,400	0,000	46,370	19,180	10869,310	-10850,130
206+0,00	0,000	2,120	0,000	45,150	19,180	10914,460	-10895,280
207+0,00	0,000	0,000	0,000	21,170	19,180	10935,630	-10916,450
208+0,00	0,000	2,360	0,000	23,570	19,180	10959,200	-10940,020
209+0,00	0,000	2,310	0,000	46,670	19,180	11005,880	-10986,700
210+0,00	0,000	2,200	0,000	45,120	19,180	11051,000	-11031,820
211+0,00	0,000	2,260	0,000	44,660	19,180	11095,660	-11076,480
212+0,00	0,000	2,080	0,000	43,430	19,180	11139,090	-11119,910
213+0,00	0,000	2,320	0,000	44,020	19,180	11183,110	-11163,930
214+0,00	0,000	2,680	0,000	50,030	19,180	11233,150	-11213,970
215+0,00	0,000	2,520	0,000	51,960	19,180	11285,110	-11265,930
216+0,00	0,000	2,820	0,000	53,410	19,180	11338,520	-11319,340
217+0,00	0,000	3,190	0,000	60,180	19,180	11398,700	-11379,520
218+0,00	0,000	3,390	0,000	65,800	19,180	11464,500	-11445,320
219+0,00	0,000	2,880	0,000	62,610	19,180	11527,110	-11507,930
220+0,00	0,000	2,800	0,000	56,710	19,180	11583,820	-11564,640
221+0,00	0,000	2,700	0,000	54,910	19,180	11638,730	-11619,550
222+0,00	0,000	2,770	0,000	54,610	19,180	11693,340	-11674,160
223+0,00	0,000	2,720	0,000	54,840	19,180	11748,190	-11729,010
224+0,00	0,000	3,160	0,000	58,750	19,180	11806,940	-11787,760
225+0,00	0,000	2,270	0,000	54,270	19,180	11861,200	-11842,020
226+0,00	0,000	2,680	0,000	49,470	19,180	11910,670	-11891,490
227+0,00	0,000	2,420	0,000	50,950	19,180	11961,620	-11942,440
228+0,00	0,000	0,000	0,000	24,180	19,180	11985,800	-11966,620
229+0,00	0,000	3,270	0,000	32,700	19,180	12018,510	-11999,330
230+0,00	0,000	2,700	0,000	59,650	19,180	12078,160	-12058,980
231+0,00	0,000	2,890	0,000	55,870	19,180	12134,030	-12114,850
232+0,00	0,000	3,380	0,000	62,690	19,180	12196,720	-12177,540
233+0,00	0,000	3,300	0,000	66,750	19,180	12263,480	-12244,300
234+0,00	0,000	2,720	0,000	60,190	19,180	12323,660	-12304,480
235+0,00	0,000	2,450	0,000	51,640	19,180	12375,310	-12356,130
236+0,00	0,000	3,050	0,000	54,980	19,180	12430,280	-12411,100
237+0,00	0,000	2,780	0,000	58,330	19,180	12488,620	-12469,440
238+0,00	0,000	2,730	0,000	55,150	19,180	12543,770	-12524,590
239+0,00	0,000	2,750	0,000	54,850	19,180	12598,620	-12579,440
240+0,00	0,000	2,650	0,000	54,000	19,180	12652,620	-12633,440
241+0,00	0,000	0,000	0,000	26,500	19,180	12679,120	-12659,940
242+0,00	0,000	2,730	0,000	27,280	19,180	12706,400	-12687,220
243+0,00	0,000	2,620	0,000	53,510	19,180	12759,910	-12740,730
244+0,00	0,000	2,300	0,000	49,200	19,180	12809,120	-12789,940
245+0,00	0,000	2,410	0,000	47,070	19,180	12856,180	-12837,000
246+0,00	0,000	2,450	0,000	48,570	19,180	12904,760	-12885,580
247+0,00	0,000	2,630	0,000	50,760	19,180	12955,520	-12936,340
248+0,00	0,000	2,620	0,000	52,440	19,180	13007,960	-12988,780
249+0,00	0,000	0,000	0,000	26,170	19,180	13034,130	-13014,950
250+0,00	0,000	2,420	0,000	24,220	19,180	13058,350	-13039,170

Osvaldo Leoncio da Silva
Diretor da Unidade de Projetos
Projetos e Obras - DUPOP
Secretaria das Cidades

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
251+0,00	0,000	2,290	0,000	47,140	19,180	13105,490	-13086,310
252+0,00	0,000	2,100	0,000	43,950	19,180	13149,440	-13130,260
253+0,00	0,000	1,890	0,000	39,960	19,180	13189,390	-13170,210
254+0,00	0,000	2,520	0,000	44,050	19,180	13233,450	-13214,270
255+0,00	0,000	2,690	0,000	52,040	19,180	13285,490	-13266,310
256+0,00	0,000	2,650	0,000	53,380	19,180	13338,870	-13319,690
257+0,00	0,000	2,950	0,000	55,960	19,180	13394,820	-13375,640
258+0,00	0,000	3,370	0,000	63,110	19,180	13457,940	-13438,760
259+0,00	0,000	3,390	0,000	67,580	19,180	13525,520	-13506,340
260+0,00	0,000	2,460	0,000	58,430	19,180	13583,950	-13564,770
261+0,00	0,000	2,350	0,000	47,990	19,180	13631,930	-13612,750
262+0,00	0,000	2,920	0,000	52,650	19,180	13684,580	-13665,400
263+0,00	0,000	2,370	0,000	52,870	19,180	13737,450	-13718,270
264+0,00	0,000	2,420	0,000	47,870	19,180	13785,320	-13766,140
265+0,00	0,000	2,930	0,000	53,510	19,180	13838,820	-13819,640
266+0,00	0,000	3,080	0,000	60,030	19,180	13898,850	-13879,670
267+0,00	0,000	2,790	0,000	58,630	19,180	13957,480	-13938,300
268+0,00	0,000	2,560	0,000	53,480	19,180	14010,960	-13991,780
269+0,00	0,000	2,740	0,000	52,990	19,180	14063,960	-14044,780
270+0,00	0,000	2,620	0,000	53,620	19,180	14117,580	-14098,400
271+0,00	0,000	2,800	0,000	54,240	19,180	14171,830	-14152,650
272+0,00	0,000	2,850	0,000	56,560	19,180	14228,390	-14209,210
273+0,00	0,000	3,020	0,000	58,700	19,180	14287,080	-14267,900
274+0,00	0,000	2,720	0,000	57,430	19,180	14344,510	-14325,330
275+0,00	0,000	3,000	0,000	57,200	19,180	14401,720	-14382,540
276+0,00	0,000	1,970	0,000	49,680	19,180	14451,400	-14432,220
277+0,00	0,000	2,880	0,000	48,570	19,180	14499,970	-14480,790
278+0,00	0,000	2,970	0,000	58,510	19,180	14558,480	-14539,300
279+0,00	0,000	2,890	0,000	58,530	19,180	14617,010	-14597,830
280+0,00	0,000	3,050	0,000	59,350	19,180	14676,360	-14657,180
281+0,00	0,000	2,850	0,000	59,040	19,180	14735,400	-14716,220
282+0,00	0,000	3,140	0,000	59,970	19,180	14795,360	-14776,180
283+0,00	0,000	2,980	0,000	61,220	19,180	14856,580	-14837,400
284+0,00	0,000	3,040	0,000	60,210	19,180	14916,790	-14897,610
285+0,00	0,000	3,050	0,000	60,870	19,180	14977,660	-14958,480
286+0,00	0,000	3,010	0,000	60,550	19,180	15038,210	-15019,030
287+0,00	0,000	3,090	0,000	61,060	19,180	15099,270	-15080,090
288+0,00	0,000	3,320	0,000	64,160	19,180	15163,430	-15144,250
289+0,00	0,000	2,980	0,000	62,960	19,180	15226,390	-15207,210
290+0,00	0,000	3,020	0,000	60,000	19,180	15286,390	-15267,210
291+0,00	0,000	3,090	0,000	61,100	19,180	15347,490	-15328,310
292+0,00	0,000	2,970	0,000	60,600	19,180	15408,090	-15388,910
293+0,00	0,000	2,780	0,000	57,540	19,180	15465,630	-15446,450
294+0,00	0,000	2,730	0,000	55,130	19,180	15520,760	-15501,580
295+0,00	0,000	2,870	0,000	56,030	19,180	15576,790	-15557,610
296+0,00	0,000	2,960	0,000	58,370	19,180	15635,160	-15615,980
297+0,00	0,000	2,960	0,000	59,190	19,180	15694,350	-15675,170
298+0,00	0,000	3,560	0,000	65,120	19,180	15759,470	-15740,290
299+0,00	0,000	3,640	0,000	71,990	19,180	15831,460	-15812,280
300+0,00	0,000	3,630	0,000	72,730	19,180	15904,190	-15885,010
301+0,00	0,000	3,120	0,000	67,540	19,180	15971,730	-15952,550
302+0,00	0,000	3,370	0,000	64,940	19,180	16036,670	-16017,490
303+0,00	0,000	2,650	0,000	60,270	19,180	16096,940	-16077,760
304+0,00	0,000	3,170	0,000	58,270	19,180	16155,210	-16136,030
305+0,00	0,000	3,150	0,000	63,170	19,180	16218,380	-16199,200
306+0,00	0,000	3,710	0,000	68,520	19,180	16286,900	-16267,720
307+0,00	0,000	3,030	0,000	67,400	19,180	16354,310	-16335,130
308+0,00	0,000	3,070	0,000	61,020	19,180	16415,330	-16396,150
309+0,00	0,000	3,020	0,000	60,860	19,180	16476,180	-16457,000
310+0,00	0,000	3,870	0,000	68,850	19,180	16545,030	-16525,850
311+0,00	0,000	3,900	0,000	77,670	19,180	16622,700	-16603,520
312+0,00	0,000	2,340	0,000	62,350	19,180	16685,050	-16665,870
313+0,00	0,000	2,950	0,000	52,870	19,180	16737,920	-16718,740
314+0,00	0,000	2,950	0,000	59,010	19,180	16796,930	-16777,750
315+0,00	0,000	0,000	0,000	29,500	19,180	16826,430	-16807,250

Osvaldo Leoncio da Silva Filho
Diretor da Unidade de Programas, Projetos e Obras - DUPPO
Secretaria das Cidades (Secid)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
316+0,00	0,000	2,370	0,000	23,690	19,180	16850,120	-16830,940
317+0,00	0,000	2,130	0,000	45,010	19,180	16895,130	-16875,950
318+0,00	0,000	3,050	0,000	51,790	19,180	16946,910	-16927,730
319+0,00	0,000	2,550	0,000	55,980	19,180	17002,890	-16983,710
320+0,00	0,000	2,690	0,000	52,440	19,180	17055,340	-17036,160
321+0,00	0,000	2,930	0,000	56,230	19,180	17111,570	-17092,390
322+0,00	0,000	2,470	0,000	54,030	19,180	17165,590	-17146,410
323+0,00	0,000	2,600	0,000	50,690	19,180	17216,290	-17197,110
324+0,00	0,000	2,780	0,000	53,740	19,180	17270,030	-17250,850
325+0,00	0,000	2,740	0,000	55,150	19,180	17325,170	-17305,990
326+0,00	0,000	2,210	0,000	49,440	19,180	17374,610	-17355,430
327+0,00	0,000	2,070	0,000	42,760	19,180	17417,370	-17398,190
328+0,00	0,000	2,540	0,000	46,020	19,180	17463,390	-17444,210
329+0,00	0,000	2,570	0,000	51,080	19,180	17514,470	-17495,290
330+0,00	0,000	2,630	0,000	52,040	19,180	17566,510	-17547,330
331+0,00	0,000	2,720	0,000	53,550	19,180	17620,060	-17600,880
332+0,00	0,000	2,540	0,000	52,650	19,180	17672,710	-17653,530
333+0,00	0,000	2,800	0,000	53,450	19,180	17726,160	-17706,980
334+0,00	0,000	2,680	0,000	54,830	19,180	17780,990	-17761,810
335+0,00	0,000	2,570	0,000	52,450	19,180	17833,440	-17814,260
336+0,00	0,000	2,720	0,000	52,910	19,180	17886,350	-17867,170
337+0,00	0,000	2,550	0,000	52,730	19,180	17939,090	-17919,910
338+0,00	0,000	2,590	0,000	51,430	19,180	17990,520	-17971,340
339+0,00	0,000	2,920	0,000	55,160	19,180	18045,670	-18026,490
340+0,00	0,000	2,800	0,000	57,230	19,180	18102,900	-18083,720
341+0,00	0,000	2,770	0,000	55,750	19,180	18158,650	-18139,470
342+0,00	0,000	2,670	0,000	54,470	19,180	18213,130	-18193,950
343+0,00	0,000	2,690	0,000	53,640	19,180	18266,760	-18247,580
344+0,00	0,000	2,570	0,000	52,590	19,180	18319,350	-18300,170
345+0,00	0,000	2,720	0,000	52,920	19,180	18372,270	-18353,090
346+0,00	0,000	2,670	0,000	53,930	19,180	18426,200	-18407,020
347+0,00	0,000	2,810	0,000	54,810	19,180	18481,020	-18461,840
348+0,00	0,000	3,150	0,000	59,580	19,180	18540,590	-18521,410
349+0,00	0,000	3,190	0,000	63,340	19,180	18603,940	-18584,760
350+0,00	0,000	2,950	0,000	61,410	19,180	18665,350	-18646,170
351+0,00	0,000	3,410	0,000	63,600	19,180	18728,950	-18709,770
352+0,00	0,000	3,410	0,000	68,200	19,180	18797,150	-18777,970
353+0,00	0,000	3,420	0,000	68,310	19,180	18865,460	-18846,280
354+0,00	0,000	3,070	0,000	64,860	19,180	18930,320	-18911,140
355+0,00	0,000	2,820	0,000	58,850	19,180	18989,170	-18969,990
356+0,00	0,000	2,450	0,000	52,650	19,180	19041,820	-19022,640
357+0,00	0,000	2,870	0,000	53,210	19,180	19095,030	-19075,850
358+0,00	0,000	2,690	0,000	55,610	19,180	19150,630	-19131,450
359+0,00	0,000	2,860	0,000	55,460	19,180	19206,100	-19186,920
360+0,00	0,000	3,340	0,000	61,880	19,180	19267,980	-19248,800
361+0,00	0,000	2,770	0,000	61,080	19,180	19329,060	-19309,880
362+0,00	0,000	3,110	0,000	58,860	19,180	19387,920	-19368,740
363+0,00	0,000	3,000	0,000	61,130	19,180	19449,050	-19429,870
364+0,00	0,000	3,290	0,000	62,850	19,180	19511,900	-19492,720
365+0,00	0,000	2,610	0,000	58,930	19,180	19570,830	-19551,650
366+0,00	0,000	3,030	0,000	56,330	19,180	19627,160	-19607,980
367+0,00	0,000	2,420	0,000	54,510	19,180	19681,670	-19662,490
368+0,00	0,000	3,260	0,000	56,840	19,180	19738,510	-19719,330
369+0,00	0,000	3,220	0,000	64,790	19,180	19803,300	-19784,120
370+0,00	0,000	2,970	0,000	61,870	19,180	19865,160	-19845,980
371+0,00	0,000	2,900	0,000	58,750	19,180	19923,910	-19904,730
372+0,00	0,000	3,370	0,000	62,790	19,180	19986,700	-19967,520
373+0,00	0,000	2,820	0,000	61,980	19,180	20048,690	-20029,510
374+0,00	0,000	2,300	0,000	51,270	19,180	20099,960	-20080,780
375+0,00	0,000	1,250	0,000	35,540	19,180	20135,500	-20116,320
376+0,00	0,000	2,550	0,000	37,970	19,180	20173,470	-20154,290
377+0,00	0,000	2,530	0,000	50,810	19,180	20224,280	-20205,100
378+0,00	0,000	2,960	0,000	54,920	19,180	20279,190	-20260,010
379+0,00	0,000	2,810	0,000	57,740	19,180	20336,930	-20317,750
380+0,00	0,000	2,660	0,000	54,730	19,180	20391,670	-20372,490

Osvaldo Leôncio da Sil...
Diretor da Unidade de Engenharia
Projetos e Obras - DUPEC
Secretaria ...

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
381+0,00	0,000	2,190	0,000	48,520	19,180	20440,180	-20421,000
382+0,00	0,000	2,600	0,000	47,870	19,180	20488,060	-20468,880
383+0,00	0,000	2,840	0,000	54,410	19,180	20542,470	-20523,290
384+0,00	0,000	2,980	0,000	58,280	19,180	20600,750	-20581,570
385+0,00	0,000	2,810	0,000	57,970	19,180	20658,720	-20639,540
386+0,00	0,000	2,840	0,000	56,490	19,180	20715,210	-20696,030
387+0,00	0,000	3,230	0,000	60,620	19,180	20775,830	-20756,650
388+0,00	0,000	3,080	0,000	63,060	19,180	20838,890	-20819,710
389+0,00	0,000	3,300	0,000	63,820	19,180	20902,720	-20883,540
390+0,00	0,000	3,660	0,000	69,590	19,180	20972,300	-20953,120
391+0,00	0,000	3,480	0,000	71,320	19,180	21043,620	-21024,440
392+0,00	0,000	2,820	0,000	62,940	19,180	21106,560	-21087,380
393+0,00	0,000	1,980	0,000	47,970	19,180	21154,530	-21135,350
394+0,00	0,000	0,000	0,000	19,790	19,180	21174,320	-21155,140
395+0,00	0,000	2,110	0,000	21,130	19,180	21195,460	-21176,280
396+0,00	0,000	1,840	0,000	39,570	19,180	21235,020	-21215,840
397+0,00	0,000	0,890	0,000	27,300	19,180	21262,330	-21243,150
398+0,00	0,330	0,000	3,300	8,870	22,480	21271,200	-21248,720

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades (Secid)

14.3 TRECHO III

Rua Acésio do Rêgo Monteiro, nº 1515
Ed. Antonio Portela Barbosa
Bairro Ininga · CEP: 64052-860
Teresina · Piauí · Brasil

www.pi.gov.br
cidades@cidades.pi.gov.br

Nota de Serviço Tabela

TRECHO 3: PI-144 AO POVOADO LAJE DE PEDRA 0+0.000 1017+9.000

Lado Esquerdo						Eixo				Lado Direito					
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-4.144	333.894	66.67				0+0.000	333.878	333.878	0.000	4.000	333.798	-2.00	4.096	333.862	66.67
-4.169	333.015	-150.00	-4.000	333.269	-2.00	1+0.000	333.349	332.957	0.392	4.000	333.269	-2.00	4.248	332.898	-150.00
-4.179	332.444	-150.00	-4.000	332.712	-2.00	2+0.000	332.792	332.390	0.403	4.000	332.712	-2.00	4.257	332.327	-150.00
-4.133	332.096	-150.00	-4.000	332.295	-2.00	3+0.000	332.375	332.016	0.359	4.000	332.295	-2.00	4.233	331.946	-150.00
-4.075	331.911	-150.00	-4.000	332.024	-2.00	4+0.000	332.104	331.782	0.323	4.000	332.024	-2.00	4.251	331.648	-150.00
-4.074	332.090	-150.00	-4.000	332.200	-2.00	5+0.000	332.280	331.960	0.321	4.000	332.200	-2.00	4.251	331.824	-150.00
-4.048	332.428	-150.00	-4.000	332.500	-2.00	6+0.000	332.580	332.264	0.315	4.000	332.500	-2.00	4.272	332.092	-150.00
-4.058	332.841	-150.00	-4.000	332.927	-2.00	7+0.000	333.007	332.676	0.332	4.000	332.927	-2.00	4.284	332.501	-150.00
-4.077	333.240	-150.00	-4.000	333.355	-2.00	8+0.000	333.435	333.076	0.359	4.000	333.355	-2.00	4.290	332.920	-150.00
-4.114	333.465	-150.00	-4.000	333.637	-2.00	9+0.000	333.717	333.331	0.386	4.000	333.637	-2.00	4.298	333.190	-150.00
-4.087	333.475	-150.00	-4.000	333.605	-2.00	10+0.000	333.685	333.342	0.343	4.000	333.605	-2.00	4.268	333.203	-150.00
-4.107	333.477	-150.00	-4.000	333.637	-2.00	11+0.000	333.717	333.371	0.346	4.000	333.637	-2.00	4.250	333.262	-150.00
-4.097	333.673	-150.00	-4.000	333.818	-2.00	12+0.000	333.898	333.573	0.325	4.000	333.818	-2.00	4.220	333.488	-150.00
-4.100	334.122	-150.00	-4.000	334.273	-2.00	13+0.000	334.353	334.038	0.314	4.000	334.273	-2.00	4.215	333.950	-150.00
-4.067	335.100	-150.00	-4.000	335.200	-2.00	14+0.000	335.280	335.037	0.242	4.000	335.200	-2.00	4.165	334.952	-150.00
-4.087	336.250	-150.00	-4.000	336.381	-2.00	15+0.000	336.461	336.163	0.298	4.000	336.381	-2.00	4.205	336.074	-150.00
-4.116	337.389	-150.00	-4.000	337.562	-2.00	16+0.000	337.642	337.352	0.290	4.000	337.562	-2.00	4.165	337.315	-150.00
-4.101	338.592	-150.00	-4.000	338.744	-2.00	17+0.000	338.824	338.572	0.252	4.000	338.744	-2.00	4.126	338.555	-150.00
-4.125	339.778	66.67				18+0.000	339.775	339.833	-0.058	4.000	339.695	-2.00	4.293	339.890	66.67
-4.160	340.375	-150.00	-4.000	340.615	-2.00	19+0.000	340.695	340.433	0.263	4.000	340.615	-2.00	4.084	340.489	-150.00
-4.229	340.914	-150.00	-4.000	341.257	-2.00	20+0.000	341.337	340.973	0.364	4.000	341.257	-2.00	4.155	341.026	-150.00
-4.310	341.375	-150.00	-4.000	341.839	-2.00	21+0.000	341.919	341.432	0.488	4.000	341.839	-2.00	4.234	341.488	-150.00
-4.428	341.779	-150.00	-4.000	342.421	-2.00	22+0.000	342.501	341.844	0.657	4.000	342.421	-2.00	4.342	341.907	-150.00
-4.435	342.350	-150.00	-4.000	343.003	-2.00	23+0.000	343.083	342.400	0.683	4.000	343.003	-2.00	4.369	342.449	-150.00
-4.313	343.115	-150.00	-4.000	343.584	-2.00	24+0.000	343.664	343.156	0.508	4.000	343.584	-2.00	4.258	343.197	-150.00
-4.215	343.843	-150.00	-4.000	344.166	-2.00	25+0.000	344.246	343.873	0.373	4.000	344.166	-2.00	4.176	343.903	-150.00
-4.181	344.475	-150.00	-4.000	344.747	-2.00	26+0.000	344.827	344.510	0.317	4.000	344.747	-2.00	4.155	344.515	-150.00
-4.181	344.871	-150.00	-4.000	345.142	-2.00	27+0.000	345.222	344.885	0.338	4.000	345.142	-2.00	4.176	344.879	-150.00
-4.194	345.020	-150.00	-4.000	345.311	-2.00	28+0.000	345.391	345.004	0.387	4.000	345.311	-2.00	4.243	344.946	-150.00
-4.202	345.029	-150.00	-4.000	345.332	-2.00	29+0.000	345.412	345.045	0.367	4.000	345.332	-2.00	4.204	345.026	-150.00
-4.224	344.924	-150.00	-4.000	345.260	-2.00	30+0.000	345.340	344.957	0.383	4.000	345.260	-2.00	4.183	344.985	-150.00
-4.230	344.799	-150.00	-4.000	345.144	-2.00	31+0.000	345.224	344.851	0.373	4.000	345.144	-2.00	4.177	344.878	-150.00
-4.234	344.676	-150.00	-4.000	345.027	-2.00	32+0.000	345.107	344.741	0.366	4.000	345.027	-2.00	4.144	344.811	-150.00
-4.211	344.725	-150.00	-4.000	345.042	-2.00	33+0.000	345.122	344.812	0.310	4.000	345.042	-2.00	4.099	344.893	-150.00
-4.224	344.730	-150.00	-4.000	345.066	-2.00	34+0.000	345.146	344.820	0.327	4.000	345.066	-2.00	4.099	344.917	-150.00
-4.262	344.686	-150.00	-4.000	345.078	-2.00	35+0.000	345.158	344.787	0.371	4.000	345.078	-2.00	4.129	344.885	-150.00
-4.271	344.536	-150.00	-4.000	344.943	-2.00	36+0.000	345.023	344.629	0.394	4.000	344.943	-2.00	4.132	344.745	-150.00
-4.285	344.337	-150.00	-4.000	344.763	-2.00	37+0.000	344.843	344.440	0.404	4.000	344.763	-2.00	4.149	344.539	-150.00
-4.291	343.919	-150.00	-4.000	344.355	-2.00	38+0.000	344.435	344.038	0.397	4.000	344.355	-2.00	4.146	344.136	-150.00
-4.320	343.441	-150.00	-4.000	343.921	-2.00	39+0.000	344.001	343.566	0.435	4.000	343.921	-2.00	4.151	343.695	-150.00
-4.354	342.953	-150.00	-4.000	343.484	-2.00	40+0.000	343.564	343.086	0.478	4.000	343.484	-2.00	4.179	343.215	-150.00
-4.339	342.538	-150.00	-4.000	343.046	-2.00	41+0.000	343.126	342.678	0.448	4.000	343.046	-2.00	4.156	342.811	-150.00
-4.357	342.074	-150.00	-4.000	342.609	-2.00	42+0.000	342.689	342.269	0.420	4.000	342.609	-2.00	4.126	342.420	-150.00
-4.330	341.676	-150.00	-4.000	342.171	-2.00	43+0.000	342.251	341.851	0.400	4.000	342.171	-2.00	4.102	342.017	-150.00
-4.328	341.311	-150.00	-4.000	341.803	-2.00	44+0.000	341.883	341.500	0.383	4.000	341.803	-2.00	4.083	341.678	-150.00
-4.328	341.021	-150.00	-4.000	341.514	-2.00	45+0.000	341.594	341.207	0.387	4.000	341.514	-2.00	4.091	341.378	-150.00
-4.323	340.716	-150.00	-4.000	341.201	-2.00	46+0.000	341.281	340.854	0.426	4.000	341.201	-2.00	4.142	340.987	-150.00
-4.336	340.351	-150.00	-4.000	340.855	-2.00	47+0.000	340.935	340.486	0.449	4.000	340.855	-2.00	4.162	340.613	-150.00
-4.366	339.931	-150.00	-4.000	340.480	-2.00	48+0.000	340.560	340.065	0.496	4.000	340.480	-2.00	4.192	340.193	-150.00
-4.296	339.657	-150.00	-4.000	340.100	-2.00	49+0.000	340.180	339.709	0.472	4.000	340.100	-2.00	4.239	339.741	-150.00
-4.231	339.374	-150.00	-4.000	339.720	-2.00	50+0.000	339.800	339.406	0.394	4.000	339.720	-2.00	4.188	339.439	-150.00
-4.201	339.039	-150.00	-4.000	339.340	-2.00	51+0.000	339.420	339.064	0.356	4.000	339.340	-2.00	4.167	339.089	-150.00
-4.128	338.849	-150.00	-4.000	339.040	-2.00	52+0.000	339.120	338.754	0.366	4.000	339.040	-2.00	4.210	338.725	-150.00
-4.117	339.067	-150.00	-4.000	339.242	-2.00	53+0.000	339.322	339.000	0.322	4.000	339.242	-2.00	4.209	338.928	-150.00
-4.124	339.357	-150.00	-4.000	339.542	-2.00	54+0.000	339.622	339.295	0.328	4.000	339.542	-2.00	4.207	339.231	-150.00
-4.077	339.782	-150.00	-4.000	339.899	-2.00	55+0.000	339.979	339.652	0.326	4.000	339.899	-2.00	4.206	339.590	-150.00
-4.021	340.430	-150.00	-4.000	340.462	-2.00	56+0.000	340.542	340.287	0.255	4.000	340.462	-2.00	4.257	340.077	-150.00
-4.024	341.142	66.67				57+0.000	341.205	340.931	0.274	4.000	341.125	-2.00	4.279	340.707	-150.00
-4.039	341.815	66.67				58+0.000	341.868	341.604	0.265	4.000	341.788	-2.00	4.272	341.380	-150.00
-4.110	342.525	66.67				59+0.000	342.531	342.237	0.295	4.000	342.451	-2.00	4.310	341.986	-150.00
-4.108	343.186	66.67				60+0.000	343.194	342.890	0.304	4.000	343.114	-2.00	4.359	342.576	-150.00
-4.088	343.683	66.67				61+0.000	343.704	343.362	0.342	4.000	343.624	-2.00	4.375	343.061	-150.00
-4.014	344.018	-150.00	-4.000	344.039	-2.00	62+0.000	344.119	343.795	0.324	4.000	344.039	-2.00	4.322	343.556	-150.00
-4.021	344.201	-150.00	-4.000	344.233	-2.00	63+0.000	344.313	343.952	0.361	4.000	344.233	-2.00	4.368	343.681	-150.00
-4.016	344.300	-150.00	-4.000	344.324	-2.00	64+0.000	344.404	344.053	0.351	4.000	344.324	-2.00	4.339	343.816	-150.00
-4.027	344.373	-150.00	-4.000	344.415	-2.00	65+0.000	344.495	344.139	0.356	4.000	344.415	-2.00	4.353	343.885	-150.00
-4.048	344.315	-150.00	-4.000	344.386	-2.00	66+0.000	344.466	344.057	0.409	4.000	344.386	-2.00	4.384	343.811	-150.00
-4.051	344.162	-150.00	-4.000	344.239	-2.00	67+0.000	344.319	343.956	0.363	4.000	344.239	-2.00	4.329	343.746	-150.00
-4.045	344.323	-150.00	-4.000	344.391	-2.00	68+0.000	344.471	344.130	0.341	4.000	344.391	-2.00	4.306	343.932	-150.00
-4.024	344.601	-150.00	-4.000	344.637	-2.00	69+0.000	344.717	344.374	0.342	4.000	344.637	-2.00	4.331	344.141	-150.00
-4.053	344.912	-150.00	-4.000	344.991	-2.00	70+0.000	345.071	344.691	0.380	4.000	344.991	-2.00	4.358	344.454	-150.00
-4.066	345.247	-150.00	-4.000	345.345	-2.00	71+0.000	345.425	345.026	0.399	4.000	345.345	-2.00	4.371	344.789	-150.00
-4.072	345.591	-150.00	-4.000	345.700	-2.00	72+0.000	345.780	345.431	0.348	4.000	345.700	-2.00	4.292	345.262	-150.00

Osvaldo Leôncio da S...
Diretor da Unidade de P...
Projetos e Obras - DU...
Secretaria das Cidades - ...

-4.048	346.000	-150.00	-4.000	346.072	-2.00	73+0.000	346.152	345.822	0.330	4.000	346.072	-2.00	4.288	345.640	-150.00
-4.044	346.441	-150.00	-4.000	346.506	-2.00	74+0.000	346.586	346.270	0.316	4.000	346.506	-2.00	4.277	346.091	-150.00
-4.042	346.945	-150.00	-4.000	347.008	-2.00	75+0.000	347.088	346.777	0.312	4.000	347.008	-2.00	4.273	346.599	-150.00
-4.043	347.505	-150.00	-4.000	347.570	-2.00	76+0.000	347.650	347.342	0.308	4.000	347.570	-2.00	4.266	347.171	-150.00
-4.006	348.222	66.67				77+0.000	348.298	348.010	0.288	4.000	348.218	-2.00	4.288	347.785	-150.00
-4.019	348.974	-150.00	-4.000	349.002	-2.00	78+0.000	349.082	348.775	0.307	4.000	349.002	-2.00	4.289	348.569	-150.00
-4.010	349.771	-150.00	-4.000	349.787	-2.00	79+0.000	349.867	349.585	0.282	4.000	349.787	-2.00	4.267	349.386	-150.00
-4.018	350.545	-150.00	-4.000	350.572	-2.00	80+0.000	350.652	350.361	0.291	4.000	350.572	-2.00	4.268	350.170	-150.00
-4.011	351.340	-150.00	-4.000	351.357	-2.00	81+0.000	351.437	351.151	0.286	4.000	351.357	-2.00	4.254	350.976	-150.00
-4.035	352.131	-150.00	-4.000	352.184	-2.00	82+0.000	352.264	351.979	0.286	4.000	352.184	-2.00	4.228	351.842	-150.00
-4.097	352.823	-150.00	-4.000	352.968	-2.00	83+0.000	353.048	352.737	0.311	4.000	352.968	-2.00	4.219	352.640	-150.00
-4.129	353.428	-150.00	-4.000	353.622	-2.00	84+0.000	353.702	353.348	0.354	4.000	353.622	-2.00	4.238	353.265	-150.00
-4.137	354.070	-150.00	-4.000	354.275	-2.00	85+0.000	354.355	353.993	0.362	4.000	354.275	-2.00	4.241	353.913	-150.00
-4.099	354.781	-150.00	-4.000	354.929	-2.00	86+0.000	355.009	354.695	0.314	4.000	354.929	-2.00	4.214	354.607	-150.00
-4.083	355.458	-150.00	-4.000	355.582	-2.00	87+0.000	355.662	355.363	0.299	4.000	355.582	-2.00	4.211	355.265	-150.00
-4.090	356.100	-150.00	-4.000	356.236	-2.00	88+0.000	356.316	356.014	0.302	4.000	356.236	-2.00	4.207	355.926	-150.00
-4.087	356.675	-150.00	-4.000	356.805	-2.00	89+0.000	356.885	356.567	0.319	4.000	356.805	-2.00	4.234	356.454	-150.00
-4.104	357.157	-150.00	-4.000	357.313	-2.00	90+0.000	357.393	357.066	0.327	4.000	357.313	-2.00	4.229	356.971	-150.00
-4.110	357.551	-150.00	-4.000	357.715	-2.00	91+0.000	357.795	357.446	0.349	4.000	357.715	-2.00	4.251	357.338	-150.00
-4.151	357.880	-150.00	-4.000	358.106	-2.00	92+0.000	358.186	357.783	0.404	4.000	358.106	-2.00	4.284	357.680	-150.00
-4.226	358.158	-150.00	-4.000	358.497	-2.00	93+0.000	358.577	358.089	0.488	4.000	358.497	-2.00	4.325	358.010	-150.00
-4.266	358.489	-150.00	-4.000	358.888	-2.00	94+0.000	358.968	358.411	0.557	4.000	358.888	-2.00	4.374	358.328	-150.00
-4.270	358.875	-150.00	-4.000	359.279	-2.00	95+0.000	359.359	358.848	0.511	4.000	359.279	-2.00	4.313	358.809	-150.00
-4.246	359.300	-150.00	-4.000	359.670	-2.00	96+0.000	359.750	359.269	0.481	4.000	359.670	-2.00	4.285	359.243	-150.00
-4.182	359.787	-150.00	-4.000	360.061	-2.00	97+0.000	360.141	359.774	0.367	4.000	360.061	-2.00	4.200	359.761	-150.00
-4.159	360.209	-150.00	-4.000	360.447	-2.00	98+0.000	360.527	360.201	0.326	4.000	360.447	-2.00	4.181	360.176	-150.00
-4.160	360.506	-150.00	-4.000	360.746	-2.00	99+0.000	360.826	360.508	0.318	4.000	360.746	-2.00	4.158	360.509	-150.00
-4.200	360.745	-150.00	-4.000	361.044	-2.00	100+0.000	361.124	360.733	0.391	4.000	361.044	-2.00	4.215	360.721	-150.00
-4.220	360.901	-150.00	-4.000	361.231	-2.00	101+0.000	361.311	360.884	0.426	4.000	361.231	-2.00	4.242	360.867	-150.00
-4.205	360.800	-150.00	-4.000	361.107	-2.00	102+0.000	361.187	360.805	0.382	4.000	361.107	-2.00	4.224	360.771	-150.00
-4.191	360.578	-150.00	-4.000	360.863	-2.00	103+0.000	360.943	360.562	0.382	4.000	360.863	-2.00	4.214	360.543	-150.00
-4.181	360.145	-150.00	-4.000	360.416	-2.00	104+0.000	360.496	360.099	0.398	4.000	360.416	-2.00	4.243	360.052	-150.00
-4.187	359.670	-150.00	-4.000	359.950	-2.00	105+0.000	360.030	359.627	0.403	4.000	359.950	-2.00	4.244	359.584	-150.00
-4.182	359.279	-150.00	-4.000	359.552	-2.00	106+0.000	359.632	359.188	0.444	4.000	359.552	-2.00	4.298	359.105	-150.00
-4.123	359.110	-150.00	-4.000	359.295	-2.00	107+0.000	359.375	359.008	0.366	4.000	359.295	-2.00	4.261	358.903	-150.00
-4.126	358.981	-150.00	-4.000	359.170	-2.00	108+0.000	359.250	358.914	0.336	4.000	359.170	-2.00	4.216	358.845	-150.00
-4.094	359.218	-150.00	-4.000	359.360	-2.00	109+0.000	359.440	359.152	0.288	4.000	359.360	-2.00	4.179	359.091	-150.00
-4.157	359.616	-150.00	-4.000	359.852	-2.00	110+0.000	359.932	359.631	0.300	4.000	359.852	-2.00	4.145	359.634	-150.00
-4.248	360.294	-150.00	-4.000	360.667	-2.00	111+0.000	360.747	360.311	0.436	4.000	360.667	-2.00	4.226	360.327	-150.00
-4.239	361.123	-150.00	-4.000	361.481	-2.00	112+0.000	361.561	361.158	0.403	4.000	361.481	-2.00	4.187	361.201	-150.00
-4.191	362.009	-150.00	-4.000	362.296	-2.00	113+0.000	362.376	362.055	0.321	4.000	362.296	-2.00	4.130	362.101	-150.00
-4.187	362.826	-150.00	-4.000	363.106	-2.00	114+0.000	363.186	362.899	0.287	4.000	363.106	-2.00	4.093	362.966	-150.00
-4.153	363.638	-150.00	-4.000	363.867	-2.00	115+0.000	363.947	363.711	0.236	4.000	363.867	-2.00	4.081	363.745	-150.00
-4.137	364.422	-150.00	-4.000	364.628	-2.00	116+0.000	364.708	364.427	0.282	4.000	364.628	-2.00	4.132	364.431	-150.00
-4.146	365.315	-150.00	-4.000	365.535	-2.00	117+0.000	365.615	365.342	0.272	4.000	365.535	-2.00	4.107	365.374	-150.00
-4.122	366.367	-150.00	-4.000	366.549	-2.00	118+0.000	366.629	366.363	0.266	4.000	366.549	-2.00	4.126	366.360	-150.00
-4.140	367.444	-150.00	-4.000	367.653	-2.00	119+0.000	367.733	367.435	0.298	4.000	367.653	-2.00	4.151	367.427	-150.00
-4.128	368.568	-150.00	-4.000	368.761	-2.00	120+0.000	368.841	368.560	0.280	4.000	368.761	-2.00	4.139	368.553	-150.00
-4.120	369.688	-150.00	-4.000	369.868	-2.00	121+0.000	369.948	369.681	0.267	4.000	369.868	-2.00	4.129	369.674	-150.00
-4.112	370.715	-150.00	-4.000	370.883	-2.00	122+0.000	370.963	370.717	0.246	4.000	370.883	-2.00	4.109	370.720	-150.00
-4.074	371.726	-150.00	-4.000	371.837	-2.00	123+0.000	371.917	371.723	0.195	4.000	371.837	-2.00	4.082	371.715	-150.00
-4.118	372.615	-150.00	-4.000	372.792	-2.00	124+0.000	372.872	372.607	0.265	4.000	372.792	-2.00	4.127	372.601	-150.00
-4.173	373.384	-150.00	-4.000	373.644	-2.00	125+0.000	373.724	373.415	0.309	4.000	373.644	-2.00	4.148	373.423	-150.00
-4.164	374.010	-150.00	-4.000	374.255	-2.00	126+0.000	374.335	374.039	0.296	4.000	374.255	-2.00	4.124	374.069	-150.00
-4.138	374.658	-150.00	-4.000	374.864	-2.00	127+0.000	374.944	374.688	0.256	4.000	374.864	-2.00	4.097	374.719	-150.00
-4.110	375.309	-150.00	-4.000	375.473	-2.00	128+0.000	375.553	375.329	0.224	4.000	375.473	-2.00	4.088	375.341	-150.00
-4.113	375.913	-150.00	-4.000	376.082	-2.00	129+0.000	376.162	375.958	0.205	4.000	376.082	-2.00	4.054	376.002	-150.00
-4.125	376.504	-150.00	-4.000	376.691	-2.00	130+0.000	376.771	376.541	0.230	4.000	376.691	-2.00	4.075	376.578	-150.00
-4.181	377.029	-150.00	-4.000	377.300	-2.00	131+0.000	377.380	377.068	0.312	4.000	377.300	-2.00	4.115	377.128	-150.00
-4.217	377.451	-150.00	-4.000	377.778	-2.00	132+0.000	377.858	377.521	0.337	4.000	377.778	-2.00	4.137	377.573	-150.00
-4.221	377.769	-150.00	-4.000	378.101	-2.00	133+0.000	378.181	377.839	0.342	4.000	378.101	-2.00	4.129	377.908	-150.00
-4.219	377.954	-150.00	-4.000	378.282	-2.00	134+0.000	378.362	378.005	0.357	4.000	378.282	-2.00	4.151	378.055	-150.00
-4.212	378.093	-150.00	-4.000	378.411	-2.00	135+0.000	378.491	378.117	0.374	4.000	378.411	-2.00	4.177	378.146	-150.00
-4.219	378.176	-150.00	-4.000	378.504	-2.00	136+0.000	378.584	378.143	0.441	4.000	378.504	-2.00	4.263	378.111	-150.00
-4.223	378.263	-150.00	-4.000	378.598	-2.00	137+0.000	378.678	378.241	0.436	4.000	378.598	-2.00	4.253	378.219	-150.00
-4.181	378.420	-150.00	-4.000	378.691	-2.00	138+0.000	378.771	378.398	0.372	4.000	378.691	-2.00	4.211	378.375	-150.00
-4.177	378.445	-150.00	-4.000	378.711	-2.00	139+0.000	378.791	378.417	0.374	4.000	378.711	-2.00	4.215	378.388	-150.00
-4.183	378.373	-150.00	-4.000	378.648	-2.00	140+0.000	378.728	378.345	0.383	4.000	378.648	-2.00	4.222	378.315	-150.00
-4.171	377.955	-150.00	-4.000	378.211	-2.00	141+0.000	378.291	377.875	0.416	4.000	378.211	-2.00	4.278	377.794	-150.00
-4.139	377.413	-150.00	-4.000	377.622	-2.00	142+0.000	377.702	377.337	0.365	4.000	377.622	-2.00	4.254	377.241	-150.00
-4.149	376.776	-150.00	-4.000	376.999	-2.00	143+0.000	377.079	376.682	0.397	4.000	376.999	-2.00	4.276	376.585	-150.00
-4.166	376.127	-150.00	-4.000	376.377	-2.00	144+0.000	376.457	376.036	0.421	4.000	376.377	-2.00	4.290	375.941	-150.00
-4.218	375.512	-150.00	-4.000	375.838	-2.00	145+0.000	375.918	375.419	0.499	4.000	375.838	-2.00	4.344	375.323	-150.00
-4.220	375.125	-150.00	-4.000	375.454	-2.00	146+0.000	375.534	375.090	0.444	4.000	375.454	-2.00	4.320	374.974	-150.00
-4.172	374.966	-150.00	-4.000	375.224	-2.00	147+0.000	375.304	374.845	0.459	4.000	375.224	-2.00	4.337	374.719	-150.00
-4.114	374.976	-150.00	-4.000	375.148	-2.00	148+0.000	375.228	374.872	0.356	4.000	375.148	-2.00	4.242	374.784	-150.00
-4.064	375.121	-150.00	-4.000	375.217	-2.00	149+0.000	375.297	375.010	0.287	4.000	375.217	-2.00	4.222	374.883	-150.00
-4.126	375.124	-150.00	-4.000	375.313	-2.00	150+0.000	375.393	375.000	0.393	4.000	375.313	-2.00	4.278	374.895	-150.00
-4.101	375.033	-150.00	-4.000	375.184	-2.00	151+0.000	375.264	374.890	0.373	4.000	375.184	-2.00	4.289	374.750	-150.00
-4.132	374.548	-150.00	-4.000	374.747	-2.00	152+0.000	374.827	374.417	0.410	4.000	374.747	-2.00	4.311	374.280	-150.00

Osvaldo Leôncio da Silva
Diretor da Unidade de Projetos e Obras - DUPRE
Secretaria da

-4.117	374.046	-150.00	-4.000	374.221	-2.00	153+0.000	374.301	373.901	0.400	4.000	374.221	-2.00	4.315	373.749	-150.00
-4.092	373.541	-150.00	-4.000	373.679	-2.00	154+0.000	373.759	373.357	0.402	4.000	373.679	-2.00	4.333	373.179	-150.00
-4.097	373.108	-150.00	-4.000	373.254	-2.00	155+0.000	373.334	372.927	0.407	4.000	373.254	-2.00	4.321	372.772	-150.00
-4.109	372.692	-150.00	-4.000	372.855	-2.00	156+0.000	372.935	372.546	0.389	4.000	372.855	-2.00	4.294	372.414	-150.00
-4.080	372.616	-150.00	-4.000	372.737	-2.00	157+0.000	372.817	372.467	0.349	4.000	372.737	-2.00	4.284	372.310	-150.00
-4.102	372.708	-150.00	-4.000	372.861	-2.00	158+0.000	372.941	372.558	0.384	4.000	372.861	-2.00	4.302	372.409	-150.00
-4.084	372.861	-150.00	-4.000	372.986	-2.00	159+0.000	373.066	372.722	0.344	4.000	372.986	-2.00	4.273	372.576	-150.00
-4.083	373.056	-150.00	-4.000	373.180	-2.00	160+0.000	373.260	372.923	0.337	4.000	373.180	-2.00	4.266	372.781	-150.00
-4.088	373.367	-150.00	-4.000	373.499	-2.00	161+0.000	373.579	373.231	0.348	4.000	373.499	-2.00	4.279	373.081	-150.00
-4.106	373.695	-150.00	-4.000	373.854	-2.00	162+0.000	373.934	373.520	0.414	4.000	373.854	-2.00	4.328	373.361	-150.00
-4.040	374.149	-150.00	-4.000	374.209	-2.00	163+0.000	374.289	373.941	0.348	4.000	374.209	-2.00	4.328	373.717	-150.00
-4.018	374.737	-150.00	-4.000	374.765	-2.00	164+0.000	374.845	374.586	0.259	4.000	374.765	-2.00	4.226	374.426	-150.00
-4.017	375.634	-150.00	-4.000	375.660	-2.00	165+0.000	375.740	375.471	0.269	4.000	375.660	-2.00	4.234	375.309	-150.00
-4.060	376.656	-150.00	-4.000	376.746	-2.00	166+0.000	376.826	376.519	0.307	4.000	376.746	-2.00	4.236	376.392	-150.00
-4.059	377.787	-150.00	-4.000	377.875	-2.00	167+0.000	377.955	377.665	0.290	4.000	377.875	-2.00	4.217	377.550	-150.00
-4.038	378.948	-150.00	-4.000	379.005	-2.00	168+0.000	379.085	378.920	0.164	4.000	379.005	-2.00	4.075	378.892	-150.00
-4.014	380.144	66.67				169+0.000	380.214	380.116	0.098	4.000	380.134	-2.00	4.032	380.087	-150.00
-4.030	381.133	-150.00	-4.000	381.178	-2.00	170+0.000	381.258	381.069	0.190	4.000	381.178	-2.00	4.117	381.002	-150.00
-4.042	381.827	-150.00	-4.000	381.891	-2.00	171+0.000	381.971	381.831	0.140	4.000	381.891	-2.00	4.086	381.762	-150.00
-4.129	382.064	-150.00	-4.000	382.257	-2.00	172+0.000	382.337	381.993	0.344	4.000	382.257	-2.00	4.211	381.940	-150.00
-4.047	382.208	-150.00	-4.000	382.279	-2.00	173+0.000	382.359	382.114	0.245	4.000	382.279	-2.00	4.176	382.015	-150.00
-4.120	381.989	-150.00	-4.000	382.168	-2.00	174+0.000	382.248	381.886	0.362	4.000	382.168	-2.00	4.259	381.781	-150.00
-4.088	381.925	-150.00	-4.000	382.058	-2.00	175+0.000	382.138	381.804	0.334	4.000	382.058	-2.00	4.253	381.678	-150.00
-4.101	381.796	-150.00	-4.000	381.947	-2.00	176+0.000	382.027	381.667	0.361	4.000	381.947	-2.00	4.277	381.531	-150.00
-4.111	381.754	-150.00	-4.000	381.920	-2.00	177+0.000	382.000	381.679	0.321	4.000	381.920	-2.00	4.211	381.603	-150.00
-4.084	382.006	-150.00	-4.000	382.132	-2.00	178+0.000	382.212	381.938	0.274	4.000	382.132	-2.00	4.180	381.862	-150.00
-4.153	382.192	-150.00	-4.000	382.423	-2.00	179+0.000	382.503	382.183	0.320	4.000	382.423	-2.00	4.164	382.176	-150.00
-4.131	382.517	-150.00	-4.000	382.714	-2.00	180+0.000	382.794	382.510	0.283	4.000	382.714	-2.00	4.138	382.506	-150.00
-4.143	382.790	-150.00	-4.000	383.004	-2.00	181+0.000	383.084	382.838	0.246	4.000	383.004	-2.00	4.087	382.875	-150.00
-4.182	383.023	-150.00	-4.000	383.295	-2.00	182+0.000	383.375	383.071	0.304	4.000	383.295	-2.00	4.118	383.118	-150.00
-4.206	383.223	-150.00	-4.000	383.532	-2.00	183+0.000	383.612	383.260	0.351	4.000	383.532	-2.00	4.156	383.298	-150.00
-4.212	383.333	-150.00	-4.000	383.651	-2.00	184+0.000	383.731	383.385	0.346	4.000	383.651	-2.00	4.143	383.437	-150.00
-4.205	383.324	-150.00	-4.000	383.632	-2.00	185+0.000	383.712	383.337	0.375	4.000	383.632	-2.00	4.188	383.351	-150.00
-4.208	383.195	-150.00	-4.000	383.507	-2.00	186+0.000	383.587	383.207	0.380	4.000	383.507	-2.00	4.192	383.219	-150.00
-4.205	383.074	-150.00	-4.000	383.381	-2.00	187+0.000	383.461	383.088	0.373	4.000	383.381	-2.00	4.186	383.102	-150.00
-4.167	383.297	-150.00	-4.000	383.547	-2.00	188+0.000	383.627	383.301	0.326	4.000	383.547	-2.00	4.161	383.305	-150.00
-4.183	383.517	-150.00	-4.000	383.791	-2.00	189+0.000	383.871	383.522	0.350	4.000	383.791	-2.00	4.212	383.474	-150.00
-4.162	383.757	-150.00	-4.000	383.999	-2.00	190+0.000	384.079	383.723	0.356	4.000	383.999	-2.00	4.216	383.675	-150.00
-4.150	383.981	-150.00	-4.000	384.207	-2.00	191+0.000	384.287	383.929	0.358	4.000	384.207	-2.00	4.220	383.876	-150.00
-4.144	384.199	-150.00	-4.000	384.414	-2.00	192+0.000	384.494	384.147	0.347	4.000	384.414	-2.00	4.213	384.094	-150.00
-4.131	384.317	-150.00	-4.000	384.514	-2.00	193+0.000	384.594	384.293	0.301	4.000	384.514	-2.00	4.193	384.224	-150.00
-4.134	384.181	-150.00	-4.000	384.382	-2.00	194+0.000	384.462	384.177	0.285	4.000	384.382	-2.00	4.139	384.173	-150.00
-4.173	383.976	-150.00	-4.000	384.235	-2.00	195+0.000	384.315	383.951	0.364	4.000	384.235	-2.00	4.206	383.926	-150.00
-4.238	383.643	-150.00	-4.000	384.001	-2.00	196+0.000	384.081	383.642	0.438	4.000	384.001	-2.00	4.239	383.642	-150.00
-4.272	383.335	-150.00	-4.000	383.744	-2.00	197+0.000	383.824	383.349	0.475	4.000	383.744	-2.00	4.254	383.363	-150.00
-4.233	383.138	-150.00	-4.000	383.487	-2.00	198+0.000	383.567	383.110	0.457	4.000	383.487	-2.00	4.264	383.091	-150.00
-4.176	382.966	-150.00	-4.000	383.230	-2.00	199+0.000	383.310	382.916	0.394	4.000	383.230	-2.00	4.241	382.868	-150.00
-4.151	382.747	-150.00	-4.000	382.973	-2.00	200+0.000	383.053	382.687	0.366	4.000	382.973	-2.00	4.219	382.645	-150.00
-4.161	382.773	-150.00	-4.000	383.014	-2.00	201+0.000	383.094	382.750	0.345	4.000	383.014	-2.00	4.182	382.741	-150.00
-4.164	382.943	-150.00	-4.000	383.189	-2.00	202+0.000	383.269	382.923	0.346	4.000	383.189	-2.00	4.182	382.916	-150.00
-4.185	383.126	-150.00	-4.000	383.403	-2.00	203+0.000	383.483	383.152	0.332	4.000	383.403	-2.00	4.151	383.177	-150.00
-4.187	383.369	-150.00	-4.000	383.649	-2.00	204+0.000	383.729	383.394	0.335	4.000	383.649	-2.00	4.153	383.420	-150.00
-4.184	383.662	-150.00	-4.000	383.939	-2.00	205+0.000	384.019	383.693	0.325	4.000	383.939	-2.00	4.142	383.726	-150.00
-4.184	384.028	-150.00	-4.000	384.305	-2.00	206+0.000	384.385	384.060	0.325	4.000	384.305	-2.00	4.143	384.090	-150.00
-4.195	384.435	-150.00	-4.000	384.727	-2.00	207+0.000	384.807	384.467	0.340	4.000	384.727	-2.00	4.145	384.509	-150.00
-4.153	384.995	-150.00	-4.000	385.224	-2.00	208+0.000	385.304	385.008	0.297	4.000	385.224	-2.00	4.136	385.021	-150.00
-4.136	385.518	-150.00	-4.000	385.722	-2.00	209+0.000	385.802	385.512	0.290	4.000	385.722	-2.00	4.143	385.507	-150.00
-4.153	385.990	-150.00	-4.000	386.219	-2.00	210+0.000	386.299	385.981	0.319	4.000	386.219	-2.00	4.165	385.972	-150.00
-4.146	386.401	-150.00	-4.000	386.619	-2.00	211+0.000	386.699	386.373	0.326	4.000	386.619	-2.00	4.183	386.345	-150.00
-4.066	386.698	-150.00	-4.000	386.796	-2.00	212+0.000	386.876	386.705	0.171	4.000	386.796	-2.00	4.070	386.691	-150.00
-4.063	386.812	-150.00	-4.000	386.906	-2.00	213+0.000	386.986	386.783	0.203	4.000	386.906	-2.00	4.098	386.759	-150.00
-4.150	386.792	-150.00	-4.000	387.017	-2.00	214+0.000	387.097	386.762	0.334	4.000	387.017	-2.00	4.173	386.757	-150.00
-4.204	386.640	-150.00	-4.000	386.946	-2.00	215+0.000	387.026	386.652	0.374	4.000	386.946	-2.00	4.199	386.648	-150.00
-4.192	386.486	-150.00	-4.000	386.774	-2.00	216+0.000	386.854	386.483	0.371	4.000	386.774	-2.00	4.196	386.480	-150.00
-4.200	386.409	-150.00	-4.000	386.709	-2.00	217+0.000	386.789	386.425	0.364	4.000	386.709	-2.00	4.177	386.443	-150.00
-4.194	386.402	-150.00	-4.000	386.693	-2.00	218+0.000	386.773	386.416	0.357	4.000	386.693	-2.00	4.176	386.428	-150.00
-4.179	386.416	-150.00	-4.000	386.686	-2.00	219+0.000	386.766	386.421	0.344	4.000	386.686	-2.00	4.173	386.426	-150.00
-4.189	386.539	-150.00	-4.000	386.822	-2.00	220+0.000	386.902	386.527	0.376	4.000	386.822	-2.00	4.206	386.514	-150.00
-4.175	386.703	-150.00	-4.000	386.966	-2.00	221+0.000	387.046	386.686	0.359	4.000	386.966	-2.00	4.197	386.670	-150.00
-4.166	386.859	-150.00	-4.000	387.109	-2.00	222+0.000	387.189	386.840	0.348	4.000	387.109	-2.00	4.191	386.822	-150.00
-4.162	387.009	-150.00	-4.000	387.252	-2.00	223+0.000	387.332	386.984	0.348	4.000	387.252	-2.00	4.189	386.969	-150.00
-4.193	387.159	-150.00	-4.000	387.449	-2.00	224+0.000	387.529	387.174	0.356	4.000	387.449	-2.00	4.165	387.201	-150.00
-4.195	387.373	-150.00	-4.000	387.666	-2.00	225+0.000	387.746	387.400	0.345	4.000	387.666	-2.00	4.158	387.428	-150.00
-4.180	387.689	-150.00	-4.000	387.960	-2.00	226+0.000	388.040	387.730	0.310	4.000	387.960	-2.00	4.127	387.770	-150.00
-4.148	388.033	-150.00	-4.000	388.255	-2.00	227+0.000	388.335	388.054	0.280	4.000	388.255	-2.00	4.115	388.083	-150.00
-4.167	388.245	-150.00	-4.000	388.495	-2.00	228+0.000	388.575	388.278	0.298	4.000	388.495	-2.00	4.124	388.310	-150.00
-4.119	388.414	-150.00	-4.000	388.593	-2.00	229+0.000	388.673	388.426	0.247	4.000	388.593	-2.00	4.104	388.437	-150.00
-4.182	388.407	-150.00	-4.000	388.680	-2.00	230+0.000	388.760	388.445	0.315	4.000	388.680	-2.00	4.138	388.473	-150.00
-4.204	388.185	-150.00	-4.000	388.491	-2.00	231+0.000	388.571	388.186	0.384	4.000	388.491	-2.00	4.200	388.190	-150.00
-4.194	387.818	-150.00	-4.000	388.109	-2.00	232+0.000	388.189	387.822	0.367	4.000	388.109	-2.00	4.190	387.824	-150.00

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria [illegible]

-4.187	387.447	-150.00	-4.000	387.727	-2.00	233+0.000	387.807	387.415	0.392	4.000	387.727	-2.00	4.208	387.415	-150.00
-4.234	387.141	-150.00	-4.000	387.492	-2.00	234+0.000	387.572	387.119	0.453	4.000	387.492	-2.00	4.261	387.101	-150.00
-4.216	386.958	-150.00	-4.000	387.281	-2.00	235+0.000	387.361	386.957	0.404	4.000	387.281	-2.00	4.206	386.973	-150.00
-4.233	386.841	-150.00	-4.000	387.191	-2.00	236+0.000	387.271	386.862	0.409	4.000	387.191	-2.00	4.204	386.885	-150.00
-4.230	386.835	-150.00	-4.000	387.179	-2.00	237+0.000	387.259	386.837	0.422	4.000	387.179	-2.00	4.227	386.840	-150.00
-4.210	386.852	-150.00	-4.000	387.167	-2.00	238+0.000	387.247	386.859	0.389	4.000	387.167	-2.00	4.201	386.865	-150.00
-4.191	386.884	-150.00	-4.000	387.171	-2.00	239+0.000	387.251	386.891	0.360	4.000	387.171	-2.00	4.182	386.897	-150.00
-4.174	386.952	-150.00	-4.000	387.212	-2.00	240+0.000	387.292	386.938	0.354	4.000	387.212	-2.00	4.188	386.930	-150.00
-4.155	387.020	-150.00	-4.000	387.253	-2.00	241+0.000	387.333	386.999	0.334	4.000	387.253	-2.00	4.183	386.978	-150.00
-4.177	387.028	-150.00	-4.000	387.294	-2.00	242+0.000	387.374	387.019	0.355	4.000	387.294	-2.00	4.175	387.031	-150.00
-4.190	387.032	-150.00	-4.000	387.318	-2.00	243+0.000	387.398	387.017	0.380	4.000	387.318	-2.00	4.200	387.018	-150.00
-4.187	387.030	-150.00	-4.000	387.310	-2.00	244+0.000	387.390	387.010	0.380	4.000	387.310	-2.00	4.213	386.990	-150.00
-4.204	386.998	-150.00	-4.000	387.303	-2.00	245+0.000	387.383	386.972	0.411	4.000	387.303	-2.00	4.237	386.947	-150.00
-4.214	386.974	-150.00	-4.000	387.296	-2.00	246+0.000	387.376	386.954	0.422	4.000	387.296	-2.00	4.241	386.934	-150.00
-4.196	386.995	-150.00	-4.000	387.288	-2.00	247+0.000	387.368	386.979	0.390	4.000	387.288	-2.00	4.219	386.961	-150.00
-4.185	387.004	-150.00	-4.000	387.281	-2.00	248+0.000	387.361	386.986	0.376	4.000	387.281	-2.00	4.203	386.977	-150.00
-4.177	387.008	-150.00	-4.000	387.274	-2.00	249+0.000	387.354	387.002	0.352	4.000	387.274	-2.00	4.186	386.995	-150.00
-4.191	386.895	-150.00	-4.000	387.182	-2.00	250+0.000	387.262	386.875	0.387	4.000	387.182	-2.00	4.218	386.855	-150.00
-4.220	386.684	-150.00	-4.000	387.014	-2.00	251+0.000	387.094	386.711	0.383	4.000	387.014	-2.00	4.179	386.746	-150.00
-4.188	386.405	-150.00	-4.000	386.687	-2.00	252+0.000	386.767	386.452	0.314	4.000	386.687	-2.00	4.125	386.499	-150.00
-4.200	386.047	-150.00	-4.000	386.346	-2.00	253+0.000	386.426	386.080	0.346	4.000	386.346	-2.00	4.139	386.138	-150.00
-4.251	385.628	-150.00	-4.000	386.005	-2.00	254+0.000	386.085	385.709	0.377	4.000	386.005	-2.00	4.143	385.791	-150.00
-4.255	385.465	-150.00	-4.000	385.848	-2.00	255+0.000	385.928	385.561	0.367	4.000	385.848	-2.00	4.129	385.654	-150.00
-4.326	385.234	-150.00	-4.000	385.723	-2.00	256+0.000	385.803	385.436	0.367	4.000	385.723	-2.00	4.105	385.566	-150.00
-4.331	385.195	-150.00	-4.000	385.691	-2.00	257+0.000	385.771	385.360	0.411	4.000	385.691	-2.00	4.116	385.517	-150.00
-4.325	385.172	-150.00	-4.000	385.659	-2.00	258+0.000	385.739	385.348	0.391	4.000	385.659	-2.00	4.096	385.515	-150.00
-4.278	385.193	-150.00	-4.000	385.610	-2.00	259+0.000	385.690	385.314	0.376	4.000	385.610	-2.00	4.131	385.413	-150.00
-4.345	384.880	-150.00	-4.000	385.397	-2.00	260+0.000	385.477	385.092	0.385	4.000	385.397	-2.00	4.074	385.286	-150.00
-4.359	384.342	-150.00	-4.000	384.881	-2.00	261+0.000	384.961	384.460	0.500	4.000	384.881	-2.00	4.204	384.574	-150.00
-4.267	383.037	-150.00	-4.000	383.437	-2.00	262+0.000	383.517	383.133	0.385	4.000	383.437	-2.00	4.150	383.212	-150.00
-4.278	381.573	-150.00	-4.000	381.991	-2.00	263+0.000	382.071	381.680	0.390	4.000	381.991	-2.00	4.162	381.748	-150.00
-4.328	380.052	-150.00	-4.000	380.544	-2.00	264+0.000	380.624	380.155	0.469	4.000	380.544	-2.00	4.197	380.249	-150.00
-4.276	378.683	-150.00	-4.000	379.097	-2.00	265+0.000	379.177	378.753	0.424	4.000	379.097	-2.00	4.188	378.815	-150.00
-4.322	377.196	-150.00	-4.000	377.679	-2.00	266+0.000	377.759	377.299	0.460	4.000	377.679	-2.00	4.187	377.399	-150.00
-4.262	376.074	-150.00	-4.000	376.466	-2.00	267+0.000	376.546	376.084	0.462	4.000	376.466	-2.00	4.187	376.186	-150.00
-4.220	375.131	-150.00	-4.000	375.461	-2.00	268+0.000	375.541	375.142	0.399	4.000	375.461	-2.00	4.201	375.159	-150.00
-4.245	374.267	-150.00	-4.000	374.634	-2.00	269+0.000	374.714	374.285	0.429	4.000	374.634	-2.00	4.221	374.303	-150.00
-4.234	373.667	-150.00	-4.000	374.018	-2.00	270+0.000	374.098	373.713	0.384	4.000	374.018	-2.00	4.173	373.759	-150.00
-4.259	373.205	-150.00	-4.000	373.594	-2.00	271+0.000	373.674	373.314	0.360	4.000	373.594	-2.00	4.087	373.464	-150.00
-4.219	373.193	-150.00	-4.000	373.521	-2.00	272+0.000	373.601	373.309	0.292	4.000	373.521	-2.00	4.077	373.406	-150.00
-4.287	373.017	-150.00	-4.000	373.448	-2.00	273+0.000	373.528	373.162	0.366	4.000	373.448	-2.00	4.094	373.307	-150.00
-4.309	372.951	-150.00	-4.000	373.415	-2.00	274+0.000	373.495	373.129	0.366	4.000	373.415	-2.00	4.078	373.298	-150.00
-4.299	372.933	-150.00	-4.000	373.382	-2.00	275+0.000	373.462	373.097	0.364	4.000	373.382	-2.00	4.078	373.264	-150.00
-4.296	372.897	-150.00	-4.000	373.342	-2.00	276+0.000	373.422	373.047	0.375	4.000	373.342	-2.00	4.096	373.197	-150.00
-4.310	372.729	-150.00	-4.000	373.194	-2.00	277+0.000	373.274	372.904	0.370	4.000	373.194	-2.00	4.083	373.069	-150.00
-4.310	372.580	-150.00	-4.000	373.045	-2.00	278+0.000	373.125	372.760	0.365	4.000	373.045	-2.00	4.077	372.931	-150.00
-4.327	372.360	-150.00	-4.000	372.850	-2.00	279+0.000	372.930	372.549	0.381	4.000	372.850	-2.00	4.081	372.728	-150.00
-4.328	372.165	-150.00	-4.000	372.657	-2.00	280+0.000	372.737	372.362	0.375	4.000	372.657	-2.00	4.053	372.577	-150.00
-4.349	371.984	-150.00	-4.000	372.508	-2.00	281+0.000	372.588	372.219	0.369	4.000	372.508	-2.00	4.043	372.444	-150.00
-4.318	371.986	-150.00	-4.000	372.462	-2.00	282+0.000	372.542	372.187	0.355	4.000	372.462	-2.00	4.057	372.376	-150.00
-4.319	372.033	-150.00	-4.000	372.511	-2.00	283+0.000	372.591	372.239	0.353	4.000	372.511	-2.00	4.053	372.432	-150.00
-4.342	372.118	-150.00	-4.000	372.631	-2.00	284+0.000	372.711	372.325	0.386	4.000	372.631	-2.00	4.075	372.519	-150.00
-4.310	372.291	-150.00	-4.000	372.756	-2.00	285+0.000	372.836	372.433	0.404	4.000	372.756	-2.00	4.114	372.585	-150.00
-4.258	372.495	-150.00	-4.000	372.882	-2.00	286+0.000	372.962	372.635	0.327	4.000	372.882	-2.00	4.075	372.769	-150.00
-4.248	372.635	-150.00	-4.000	373.007	-2.00	287+0.000	373.087	372.762	0.325	4.000	373.007	-2.00	4.082	372.885	-150.00
-4.228	372.791	-150.00	-4.000	373.133	-2.00	288+0.000	373.213	372.872	0.341	4.000	373.133	-2.00	4.100	372.982	-150.00
-4.228	373.033	-150.00	-4.000	373.374	-2.00	289+0.000	373.454	373.096	0.358	4.000	373.374	-2.00	4.144	373.158	-150.00
-4.243	373.254	-150.00	-4.000	373.619	-2.00	290+0.000	373.699	373.327	0.373	4.000	373.619	-2.00	4.148	373.397	-150.00
-4.234	373.513	-150.00	-4.000	373.864	-2.00	291+0.000	373.944	373.605	0.339	4.000	373.864	-2.00	4.125	373.677	-150.00
-4.238	373.702	-150.00	-4.000	374.059	-2.00	292+0.000	374.139	373.783	0.355	4.000	374.059	-2.00	4.131	373.863	-150.00
-4.238	373.783	-150.00	-4.000	374.141	-2.00	293+0.000	374.221	373.867	0.353	4.000	374.141	-2.00	4.127	373.949	-150.00
-4.226	373.870	-150.00	-4.000	374.209	-2.00	294+0.000	374.289	373.939	0.350	4.000	374.209	-2.00	4.137	374.003	-150.00
-4.225	373.993	-150.00	-4.000	374.330	-2.00	295+0.000	374.410	374.059	0.351	4.000	374.330	-2.00	4.138	374.124	-150.00
-4.205	374.064	-150.00	-4.000	374.371	-2.00	296+0.000	374.451	374.090	0.361	4.000	374.371	-2.00	4.161	374.129	-150.00
-4.192	374.133	-150.00	-4.000	374.421	-2.00	297+0.000	374.501	374.146	0.354	4.000	374.421	-2.00	4.174	374.160	-150.00
-4.190	374.203	-150.00	-4.000	374.488	-2.00	298+0.000	374.568	374.215	0.353	4.000	374.488	-2.00	4.174	374.227	-150.00
-4.188	374.260	-150.00	-4.000	374.542	-2.00	299+0.000	374.622	374.279	0.343	4.000	374.542	-2.00	4.164	374.296	-150.00
-4.197	374.286	-150.00	-4.000	374.582	-2.00	300+0.000	374.662	374.304	0.358	4.000	374.582	-2.00	4.169	374.329	-150.00
-4.202	374.310	-150.00	-4.000	374.613	-2.00	301+0.000	374.693	374.333	0.360	4.000	374.613	-2.00	4.175	374.350	-150.00
-4.235	374.233	-150.00	-4.000	374.585	-2.00	302+0.000	374.665	374.294	0.371	4.000	374.585	-2.00	4.177	374.320	-150.00
-4.236	374.117	-150.00	-4.000	374.471	-2.00	303+0.000	374.551	374.188	0.363	4.000	374.471	-2.00	4.143	374.257	-150.00
-4.245	374.075	-150.00	-4.000	374.443	-2.00	304+0.000	374.523	374.149	0.374	4.000	374.443	-2.00	4.148	374.221	-150.00
-4.247	374.044	-150.00	-4.000	374.414	-2.00	305+0.000	374.494	374.116	0.378	4.000	374.414	-2.00	4.151	374.188	-150.00
-4.196	374.092	-150.00	-4.000	374.386	-2.00	306+0.000	374.466	374.129	0.337	4.000	374.386	-2.00	4.147	374.166	-150.00
-4.221	374.028	-150.00	-4.000	374.359	-2.00	307+0.000	374.439	374.078	0.361	4.000	374.359	-2.00	4.150	374.134	-150.00
-4.231	373.971	-150.00	-4.000	374.317	-2.00	308+0.000	374.397	374.015	0.382	4.000	374.317	-2.00	4.172	374.058	-150.00
-4.230	373.791	-150.00	-4.000	374.137	-2.00	309+0.000	374.217	373.832	0.384	4.000	374.137	-2.00	4.174	373.875	-150.00
-4.211	373.640	-150.00	-4.000	373.957	-2.00	310+0.000	374.037	373.654	0.383	4.000	373.957	-2.00	4.191	373.671	-150.00
-4.206	373.469	-150.00	-4.000	373.778	-2.00	311+0.000	373.858	373.484	0.374	4.000	373.778	-2.00	4.185	373.501	-150.00
-4.210	373.341	-150.00	-4.000	373.656	-2.00	312+0.000	373.736	373.375	0.361	4.000	373.656	-2.00	4.149	373.432	-150.00

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Projetos
Projetos e Obras - DUFPO
Secretaria de Estado

-4.218	373.364	-150.00	-4.000	373.692	-2.00	313+0.000	373.772	373.434	0.338	4.000	373.692	-2.00	4.126	373.502	-150.00
-4.218	373.583	-150.00	-4.000	373.910	-2.00	314+0.000	373.990	373.648	0.341	4.000	373.910	-2.00	4.141	373.698	-150.00
-4.175	374.008	-150.00	-4.000	374.270	-2.00	315+0.000	374.350	374.049	0.301	4.000	374.270	-2.00	4.120	374.090	-150.00
-4.131	374.599	-150.00	-4.000	374.795	-2.00	316+0.000	374.875	374.556	0.319	4.000	374.795	-2.00	4.188	374.512	-150.00
-4.130	375.175	-150.00	-4.000	375.370	-2.00	317+0.000	375.450	375.099	0.351	4.000	375.370	-2.00	4.233	375.021	-150.00
-4.074	375.598	-150.00	-4.000	375.709	-2.00	318+0.000	375.789	375.452	0.336	4.000	375.709	-2.00	4.273	375.299	-150.00
-4.082	375.883	-150.00	-4.000	376.006	-2.00	319+0.000	376.086	375.736	0.349	4.000	376.006	-2.00	4.282	375.583	-150.00
-4.081	376.049	-150.00	-4.000	376.171	-2.00	320+0.000	376.251	375.917	0.333	4.000	376.171	-2.00	4.238	375.814	-150.00
-4.087	376.393	-150.00	-4.000	376.523	-2.00	321+0.000	376.603	376.272	0.331	4.000	376.523	-2.00	4.252	376.145	-150.00
-4.128	376.524	-150.00	-4.000	376.716	-2.00	322+0.000	376.796	376.431	0.365	4.000	376.716	-2.00	4.244	376.349	-150.00
-4.103	376.819	-150.00	-4.000	376.974	-2.00	323+0.000	377.054	376.713	0.341	4.000	376.974	-2.00	4.248	376.602	-150.00
-4.120	376.820	-150.00	-4.000	377.000	-2.00	324+0.000	377.080	376.721	0.359	4.000	377.000	-2.00	4.207	376.689	-150.00
-4.147	377.001	-150.00	-4.000	377.222	-2.00	325+0.000	377.302	376.961	0.341	4.000	377.222	-2.00	4.201	376.921	-150.00
-4.168	376.988	-150.00	-4.000	377.240	-2.00	326+0.000	377.320	376.941	0.379	4.000	377.240	-2.00	4.231	376.894	-150.00
-4.180	376.964	-150.00	-4.000	377.234	-2.00	327+0.000	377.314	376.967	0.347	4.000	377.234	-2.00	4.176	376.970	-150.00
-4.190	377.019	-150.00	-4.000	377.304	-2.00	328+0.000	377.384	377.016	0.368	4.000	377.304	-2.00	4.194	377.013	-150.00
-4.176	377.049	-150.00	-4.000	377.313	-2.00	329+0.000	377.393	377.047	0.346	4.000	377.313	-2.00	4.166	377.064	-150.00
-4.229	377.173	-150.00	-4.000	377.517	-2.00	330+0.000	377.597	377.243	0.355	4.000	377.517	-2.00	4.130	377.322	-150.00
-4.165	377.698	-150.00	-4.000	377.945	-2.00	331+0.000	378.025	377.772	0.253	4.000	377.945	-2.00	4.062	377.852	-150.00
-4.195	378.263	-150.00	-4.000	378.556	-2.00	332+0.000	378.636	378.364	0.272	4.000	378.556	-2.00	4.062	378.462	-150.00
-4.230	378.859	-150.00	-4.000	379.204	-2.00	333+0.000	379.284	378.973	0.311	4.000	379.204	-2.00	4.081	379.083	-150.00
-4.284	379.290	-150.00	-4.000	379.716	-2.00	334+0.000	379.796	379.439	0.357	4.000	379.716	-2.00	4.090	379.581	-150.00
-4.304	379.689	-150.00	-4.000	380.145	-2.00	335+0.000	380.225	379.859	0.366	4.000	380.145	-2.00	4.082	380.022	-150.00
-4.321	379.754	-150.00	-4.000	380.236	-2.00	336+0.000	380.316	379.927	0.389	4.000	380.236	-2.00	4.095	380.093	-150.00
-4.339	379.765	-150.00	-4.000	380.274	-2.00	337+0.000	380.354	379.972	0.382	4.000	380.274	-2.00	4.072	380.166	-150.00
-4.336	379.769	-150.00	-4.000	380.273	-2.00	338+0.000	380.353	379.982	0.371	4.000	380.273	-2.00	4.062	380.180	-150.00
-4.327	379.781	-150.00	-4.000	380.272	-2.00	339+0.000	380.352	379.989	0.363	4.000	380.272	-2.00	4.059	380.184	-150.00
-4.309	379.750	-150.00	-4.000	380.212	-2.00	340+0.000	380.292	379.898	0.395	4.000	380.212	-2.00	4.104	380.057	-150.00
-4.322	379.451	-150.00	-4.000	379.934	-2.00	341+0.000	380.014	379.589	0.425	4.000	379.934	-2.00	4.142	379.721	-150.00
-4.267	379.255	-150.00	-4.000	379.656	-2.00	342+0.000	379.736	379.348	0.388	4.000	379.656	-2.00	4.159	379.417	-150.00
-4.293	378.779	-150.00	-4.000	379.219	-2.00	343+0.000	379.299	378.735	0.564	4.000	379.219	-2.00	4.314	378.748	-150.00
-4.153	378.549	-150.00	-4.000	378.779	-2.00	344+0.000	378.859	378.502	0.357	4.000	378.779	-2.00	4.129	378.586	-150.00
-4.088	378.492	-150.00	-4.000	378.624	-2.00	345+0.000	378.704	378.405	0.298	4.000	378.624	-2.00	4.205	378.316	-150.00
-4.108	378.677	-150.00	-4.000	378.839	-2.00	346+0.000	378.919	378.546	0.373	4.000	378.839	-2.00	4.287	378.408	-150.00
-4.054	378.973	-150.00	-4.000	379.054	-2.00	347+0.000	379.134	378.755	0.378	4.000	379.054	-2.00	4.355	378.521	-150.00
-4.068	379.185	-150.00	-4.000	379.287	-2.00	348+0.000	379.367	379.000	0.368	4.000	379.287	-2.00	4.232	378.939	-150.00
-4.048	379.801	-150.00	-4.000	379.873	-2.00	349+0.000	379.953	379.691	0.262	4.000	379.873	-2.00	4.199	379.575	-150.00
						350+0.000	380.539	380.306	0.233	4.000	380.459	-2.00	4.211	380.142	-150.00
						351+0.000	381.125	380.867	0.258	4.000	381.045	-2.00	4.239	380.687	-150.00
-4.097	381.524	-150.00	-4.000	381.669	-2.00	352+0.000	381.749	381.507	0.242	4.000	381.669	-2.00	4.119	381.490	-150.00
-4.147	382.128	-150.00	-4.000	382.348	-2.00	353+0.000	382.428	382.051	0.377	4.000	382.348	-2.00	4.234	381.997	-150.00
-4.097	382.828	-150.00	-4.000	382.973	-2.00	354+0.000	383.053	382.649	0.404	4.000	382.973	-2.00	4.342	382.459	-150.00
-4.176	382.796	-150.00	-4.000	383.059	-2.00	355+0.000	383.139	382.614	0.525	4.000	383.059	-2.00	4.342	382.546	-150.00
-4.159	382.499	-150.00	-4.000	382.738	-2.00	356+0.000	382.818	382.407	0.411	4.000	382.738	-2.00	4.284	382.312	-150.00
-4.080	381.873	-150.00	-4.000	381.993	-2.00	357+0.000	382.073	381.736	0.337	4.000	381.993	-2.00	4.267	381.593	-150.00
-4.197	380.981	-150.00	-4.000	381.276	-2.00	358+0.000	381.356	380.947	0.409	4.000	381.276	-2.00	4.242	380.913	-150.00
-4.187	380.471	-150.00	-4.000	380.751	-2.00	359+0.000	380.831	380.425	0.406	4.000	380.751	-2.00	4.249	380.378	-150.00
-4.182	380.302	-150.00	-4.000	380.575	-2.00	360+0.000	380.655	380.389	0.267	4.000	380.575	-2.00	4.068	380.473	-150.00
-4.175	380.594	-150.00	-4.000	380.857	-2.00	361+0.000	380.937	380.709	0.228	4.000	380.857	-2.00	4.025	380.819	-150.00
-4.278	380.721	-150.00	-4.000	381.138	-2.00	362+0.000	381.218	380.878	0.339	4.000	381.138	-2.00	4.052	381.059	-150.00
-4.296	380.933	-150.00	-4.000	381.377	-2.00	363+0.000	381.457	381.125	0.332	4.000	381.377	-2.00	4.048	381.305	-150.00
-4.288	381.338	-150.00	-4.000	381.770	-2.00	364+0.000	381.850	381.587	0.263	4.000	381.770	-2.00	4.081	381.824	66.67
-4.300	381.779	-150.00	-4.000	382.229	-2.00	365+0.000	382.309	382.002	0.307	4.000	382.229	-2.00			
-4.301	382.448	-150.00	-4.000	382.899	-2.00	366+0.000	382.979	382.681	0.298	4.000	382.899	-2.00			
-4.329	383.243	-150.00	-4.000	383.736	-2.00	367+0.000	383.816	383.495	0.320	4.000	383.736	-2.00			
-4.278	384.199	-150.00	-4.000	384.616	-2.00	368+0.000	384.696	384.427	0.270	4.000	384.616	-2.00	4.071	384.664	66.67
-4.270	385.396	-150.00	-4.000	385.801	-2.00	369+0.000	385.881	385.613	0.268	4.000	385.801	-2.00	4.026	385.818	66.67
-4.217	387.078	-150.00	-4.000	387.403	-2.00	370+0.000	387.483	387.251	0.232	4.000	387.403	-2.00	4.018	387.415	66.67
-4.222	388.312	-150.00	-4.000	388.644	-2.00	371+0.000	388.724	388.455	0.269	4.000	388.644	-2.00	4.035	388.592	-150.00
-4.238	389.105	-150.00	-4.000	389.462	-2.00	372+0.000	389.542	389.297	0.245	4.000	389.462	-2.00	4.025	389.479	66.67
-4.262	389.797	-150.00	-4.000	390.190	-2.00	373+0.000	390.270	390.004	0.267	4.000	390.190	-2.00	4.011	390.198	66.67
-4.261	390.251	-150.00	-4.000	390.642	-2.00	374+0.000	390.722	390.416	0.306	4.000	390.642	-2.00	4.044	390.576	-150.00
-4.272	390.604	-150.00	-4.000	391.012	-2.00	375+0.000	391.092	390.795	0.297	4.000	391.012	-2.00	4.033	390.962	-150.00
-4.308	390.883	-150.00	-4.000	391.345	-2.00	376+0.000	391.425	391.064	0.361	4.000	391.345	-2.00	4.074	391.234	-150.00
-4.271	391.306	-150.00	-4.000	391.713	-2.00	377+0.000	391.793	391.470	0.324	4.000	391.713	-2.00	4.060	391.624	-150.00
-4.243	391.810	-150.00	-4.000	392.175	-2.00	378+0.000	392.255	391.958	0.297	4.000	392.175	-2.00	4.046	392.105	-150.00
-4.228	392.528	-150.00	-4.000	392.869	-2.00	379+0.000	392.949	392.679	0.271	4.000	392.869	-2.00	4.031	392.822	-150.00
-4.207	393.641	-150.00	-4.000	393.951	-2.00	380+0.000	394.031	393.770	0.261	4.000	393.951	-2.00	4.038	393.894	-150.00
-4.221	395.093	-150.00	-4.000	395.424	-2.00	381+0.000	395.504	395.301	0.203	4.000	395.424	-2.00	4.119	395.503	66.67
-4.232	396.550	-150.00	-4.000	396.898	-2.00	382+0.000	396.978	396.756	0.222	4.000	396.898	-2.00	4.087	396.956	66.67
-4.168	398.136	-150.00	-4.000	398.388	-2.00	383+0.000	398.468	398.372	0.096	4.000	398.388	-2.00	4.339	398.614	66.67
-4.306	399.273	-150.00	-4.000	399.732	-2.00	384+0.000	399.812	399.520	0.293	4.000	399.732	-2.00	4.026	399.750	66.67
-4.297	400.235	-150.00	-4.000	400.680	-2.00	385+0.000	400.760	400.460	0.300	4.000	400.680	-2.00	4.007	400.685	66.67
-4.286	401.030	-150.00	-4.000	401.460	-2.00	386+0.000	401.540	401.216	0.324	4.000	401.460	-2.00	4.046	401.391	-150.00
-4.287	401.545	-150.00	-4.000	401.976	-2.00	387+0.000	402.056	401.731	0.325	4.000	401.976	-2.00	4.047	401.907	-150.00
-4.299	401.923	-150.00	-4.000	402.372	-2.00	388+0.000	402.452	402.079	0.373	4.000	402.372	-2.00	4.099	402.224	-150.00
-4.270	402.329	-150.00	-4.000	402.734	-2.00	389+0.000	402.814	402.461	0.353	4.000	402.734	-2.00	4.120	402.555	-150.00
-4.297	402.651	-150.00	-4.000	403.096	-2.00	390+0.000	403.176	402.729	0.447	4.000	403.096	-2.00	4.194	402.806	-150.00
-4.214	403.138	-150.00	-4.000	403.459	-2.00	391+0.000	403.539	403.207	0.332	4.000	403.459	-2.00	4.127	403.269	-150.00
-4.224	403.475	-150.00	-4.000	403.811	-2.00	392+0.000	403.891	403.521	0.370	4.000	403.811	-2.00	4.160	403.570	-150.00

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Projetos
Projetos - Obras - DER/PR
Secretaria das Obras Públicas

-4.207	403.847	-150.00	-4.000	404.158	-2.00	393+0.000	404.238	403.895	0.343	4.000	404.158	-2.00	4.144	403.942	-150.00
-4.223	404.170	-150.00	-4.000	404.505	-2.00	394+0.000	404.585	404.224	0.361	4.000	404.505	-2.00	4.153	404.276	-150.00
-4.214	404.531	-150.00	-4.000	404.852	-2.00	395+0.000	404.932	404.618	0.314	4.000	404.852	-2.00	4.090	404.717	-150.00
-4.313	404.730	-150.00	-4.000	405.199	-2.00	396+0.000	405.279	404.885	0.394	4.000	405.199	-2.00	4.111	405.032	-150.00
-4.304	405.089	-150.00	-4.000	405.546	-2.00	397+0.000	405.626	405.254	0.372	4.000	405.546	-2.00	4.090	405.411	-150.00
-4.319	405.329	-150.00	-4.000	405.807	-2.00	398+0.000	405.887	405.515	0.372	4.000	405.807	-2.00	4.079	405.688	-150.00
-4.312	405.399	-150.00	-4.000	405.867	-2.00	399+0.000	405.947	405.626	0.321	4.000	405.867	-2.00	4.028	405.825	-150.00
-4.342	405.211	-150.00	-4.000	405.724	-2.00	400+0.000	405.804	405.447	0.357	4.000	405.724	-2.00	4.038	405.666	-150.00
-4.361	404.837	-150.00	-4.000	405.378	-2.00	401+0.000	405.458	405.090	0.369	4.000	405.378	-2.00	4.048	405.306	-150.00
-4.355	404.337	-150.00	-4.000	404.870	-2.00	402+0.000	404.950	404.566	0.384	4.000	404.870	-2.00	4.061	404.779	-150.00
-4.367	403.797	-150.00	-4.000	404.347	-2.00	403+0.000	404.427	404.020	0.407	4.000	404.347	-2.00	4.079	404.228	-150.00
-4.334	403.185	-150.00	-4.000	403.685	-2.00	404+0.000	403.765	403.407	0.358	4.000	403.685	-2.00	4.047	403.615	-150.00
-4.332	402.514	-150.00	-4.000	403.012	-2.00	405+0.000	403.092	402.715	0.377	4.000	403.012	-2.00	4.086	402.882	-150.00
-4.327	401.863	-150.00	-4.000	402.353	-2.00	406+0.000	402.433	402.049	0.384	4.000	402.353	-2.00	4.086	402.225	-150.00
-4.356	401.318	-150.00	-4.000	401.852	-2.00	407+0.000	401.932	401.471	0.461	4.000	401.852	-2.00	4.157	401.616	-150.00
-4.310	400.896	-150.00	-4.000	401.362	-2.00	408+0.000	401.442	401.046	0.395	4.000	401.362	-2.00	4.115	401.190	-150.00
-4.323	400.512	-150.00	-4.000	400.996	-2.00	409+0.000	401.076	400.696	0.380	4.000	400.996	-2.00	4.084	400.871	-150.00
-4.315	400.466	-150.00	-4.000	400.939	-2.00	410+0.000	401.019	400.619	0.400	4.000	400.939	-2.00	4.116	400.765	-150.00
-4.357	400.570	-150.00	-4.000	401.106	-2.00	411+0.000	401.186	400.713	0.473	4.000	401.106	-2.00	4.171	400.849	-150.00
-4.319	400.794	-150.00	-4.000	401.273	-2.00	412+0.000	401.353	400.952	0.401	4.000	401.273	-2.00	4.115	401.101	-150.00
-4.266	401.090	-150.00	-4.000	401.490	-2.00	413+0.000	401.570	401.243	0.326	4.000	401.490	-2.00	4.056	401.405	-150.00
-4.268	401.563	-150.00	-4.000	401.965	-2.00	414+0.000	402.045	401.749	0.296	4.000	401.965	-2.00	4.026	401.925	-150.00
-4.276	402.005	-150.00	-4.000	402.420	-2.00	415+0.000	402.500	402.114	0.385	4.000	402.420	-2.00	4.149	402.196	-150.00
-4.237	402.518	-150.00	-4.000	402.874	-2.00	416+0.000	402.954	402.632	0.322	4.000	402.874	-2.00	4.080	402.755	-150.00
-4.245	403.164	-150.00	-4.000	403.531	-2.00	417+0.000	403.611	403.208	0.402	4.000	403.531	-2.00	4.185	403.253	-150.00
-4.206	403.906	-150.00	-4.000	404.214	-2.00	418+0.000	404.294	403.920	0.374	4.000	404.214	-2.00	4.186	403.935	-150.00
-4.190	404.721	-150.00	-4.000	405.006	-2.00	419+0.000	405.086	404.738	0.348	4.000	405.006	-2.00	4.167	404.756	-150.00
-4.174	405.740	-150.00	-4.000	406.002	-2.00	420+0.000	406.082	405.735	0.347	4.000	406.002	-2.00	4.182	405.729	-150.00
-4.059	407.022	-150.00	-4.000	407.110	-2.00	421+0.000	407.190	406.994	0.195	4.000	407.110	-2.00	4.095	406.967	-150.00
-4.095	408.306	-150.00	-4.000	408.449	-2.00	422+0.000	408.529	408.406	0.123	4.000	408.449	-2.00	4.018	408.422	-150.00
-4.136	409.347	-150.00	-4.000	409.551	-2.00	423+0.000	409.631	409.447	0.184	4.000	409.551	-2.00			
-4.065	410.360	-150.00	-4.000	410.458	-2.00	424+0.000	410.538	410.486	0.052	4.000	410.458	-2.00	4.194	410.587	66.67
-4.241	410.968	-150.00	-4.000	411.330	-2.00	425+0.000	411.410	411.098	0.312	4.000	411.330	-2.00	4.070	411.225	-150.00
-4.262	411.398	-150.00	-4.000	411.792	-2.00	426+0.000	411.872	411.532	0.340	4.000	411.792	-2.00	4.088	411.659	-150.00
-4.311	411.435	-150.00	-4.000	411.901	-2.00	427+0.000	411.981	411.588	0.393	4.000	411.901	-2.00	4.111	411.735	-150.00
-4.316	411.274	-150.00	-4.000	411.748	-2.00	428+0.000	411.828	411.428	0.400	4.000	411.748	-2.00	4.093	411.608	-150.00
-4.331	410.965	-150.00	-4.000	411.462	-2.00	429+0.000	411.542	411.130	0.412	4.000	411.462	-2.00	4.110	411.296	-150.00
-4.332	410.498	-150.00	-4.000	410.996	-2.00	430+0.000	411.076	410.664	0.412	4.000	410.996	-2.00	4.116	410.823	-150.00
-4.325	409.941	-150.00	-4.000	410.428	-2.00	431+0.000	410.508	410.095	0.414	4.000	410.428	-2.00	4.124	410.241	-150.00
-4.306	409.382	-150.00	-4.000	409.841	-2.00	432+0.000	409.921	409.493	0.428	4.000	409.841	-2.00	4.144	409.625	-150.00
-4.307	408.643	-150.00	-4.000	409.103	-2.00	433+0.000	409.183	408.731	0.452	4.000	409.103	-2.00	4.191	408.817	-150.00
-4.289	407.927	-150.00	-4.000	408.361	-2.00	434+0.000	408.441	408.014	0.426	4.000	408.361	-2.00	4.174	408.100	-150.00
-4.289	407.184	-150.00	-4.000	407.618	-2.00	435+0.000	407.698	407.275	0.423	4.000	407.618	-2.00	4.170	407.363	-150.00
-4.279	406.536	-150.00	-4.000	406.954	-2.00	436+0.000	407.034	406.609	0.424	4.000	406.954	-2.00	4.181	406.682	-150.00
-4.347	405.923	-150.00	-4.000	406.443	-2.00	437+0.000	406.523	405.998	0.525	4.000	406.443	-2.00	4.233	406.094	-150.00
-4.304	405.476	-150.00	-4.000	405.932	-2.00	438+0.000	406.012	405.578	0.434	4.000	405.932	-2.00	4.170	405.677	-150.00
-4.259	405.062	-150.00	-4.000	405.449	-2.00	439+0.000	405.529	405.152	0.378	4.000	405.449	-2.00	4.118	405.273	-150.00
-4.190	404.723	-150.00	-4.000	405.009	-2.00	440+0.000	405.089	404.830	0.259	4.000	405.009	-2.00	4.057	404.923	-150.00
-4.245	404.200	-150.00	-4.000	404.568	-2.00	441+0.000	404.648	404.329	0.319	4.000	404.568	-2.00	4.077	404.453	-150.00
-4.299	403.678	-150.00	-4.000	404.127	-2.00	442+0.000	404.207	403.816	0.391	4.000	404.127	-2.00	4.119	403.949	-150.00
-4.274	403.512	-150.00	-4.000	403.923	-2.00	443+0.000	404.003	403.644	0.359	4.000	403.923	-2.00	4.101	403.770	-150.00
-4.269	403.433	-150.00	-4.000	403.837	-2.00	444+0.000	403.917	403.569	0.348	4.000	403.837	-2.00	4.092	403.699	-150.00
-4.242	403.551	-150.00	-4.000	403.915	-2.00	445+0.000	403.995	403.665	0.330	4.000	403.915	-2.00	4.094	403.774	-150.00
-4.245	403.887	-150.00	-4.000	404.255	-2.00	446+0.000	404.335	404.029	0.306	4.000	404.255	-2.00	4.053	404.175	-150.00
-4.236	404.376	-150.00	-4.000	404.730	-2.00	447+0.000	404.810	404.516	0.294	4.000	404.730	-2.00	4.053	404.650	-150.00
-4.237	405.065	-150.00	-4.000	405.419	-2.00	448+0.000	405.499	405.239	0.260	4.000	405.419	-2.00	4.011	405.402	-150.00
-4.239	405.795	-150.00	-4.000	406.153	-2.00	449+0.000	406.233	405.969	0.264	4.000	406.153	-2.00	4.013	406.133	-150.00
-4.254	406.505	-150.00	-4.000	406.886	-2.00	450+0.000	406.966	406.665	0.302	4.000	406.886	-2.00	4.047	406.816	-150.00
-4.286	406.949	-150.00	-4.000	407.378	-2.00	451+0.000	407.458	407.120	0.337	4.000	407.378	-2.00	4.063	407.283	-150.00
-4.309	407.106	-150.00	-4.000	407.569	-2.00	452+0.000	407.649	407.295	0.354	4.000	407.569	-2.00	4.064	407.473	-150.00
-4.307	407.047	-150.00	-4.000	407.508	-2.00	453+0.000	407.588	407.204	0.385	4.000	407.508	-2.00	4.105	407.350	-150.00
-4.306	406.844	-150.00	-4.000	407.303	-2.00	454+0.000	407.383	407.002	0.382	4.000	407.303	-2.00	4.103	407.149	-150.00
-4.307	406.517	-150.00	-4.000	406.977	-2.00	455+0.000	407.057	406.663	0.395	4.000	406.977	-2.00	4.117	406.802	-150.00
-4.320	406.077	-150.00	-4.000	406.557	-2.00	456+0.000	406.637	406.220	0.417	4.000	406.557	-2.00	4.131	406.360	-150.00
-4.280	405.541	-150.00	-4.000	405.962	-2.00	457+0.000	406.042	405.629	0.413	4.000	405.962	-2.00	4.173	405.702	-150.00
-4.246	404.700	-150.00	-4.000	405.069	-2.00	458+0.000	405.149	404.714	0.434	4.000	405.069	-2.00	4.227	404.729	-150.00
-4.199	403.811	-150.00	-4.000	404.110	-2.00	459+0.000	404.190	403.765	0.424	4.000	404.110	-2.00	4.260	403.719	-150.00
-4.213	402.912	-150.00	-4.000	403.232	-2.00	460+0.000	403.312	402.887	0.425	4.000	403.232	-2.00	4.215	402.909	-150.00
-4.230	402.255	-150.00	-4.000	402.600	-2.00	461+0.000	402.680	402.276	0.404	4.000	402.600	-2.00	4.202	402.296	-150.00
-4.278	401.640	-150.00	-4.000	402.058	-2.00	462+0.000	402.138	401.754	0.384	4.000	402.058	-2.00	4.130	401.863	-150.00
-4.252	401.432	-150.00	-4.000	401.810	-2.00	463+0.000	401.890	401.550	0.339	4.000	401.810	-2.00	4.097	401.665	-150.00
-4.294	401.430	-150.00	-4.000	401.872	-2.00	464+0.000	401.952	401.570	0.382	4.000	401.872	-2.00	4.112	401.703	-150.00
-4.205	401.936	-150.00	-4.000	402.243	-2.00	465+0.000	402.323	402.060	0.263	4.000	402.243	-2.00	4.044	402.177	-150.00
-4.224	402.583	-150.00	-4.000	402.919	-2.00	466+0.000	402.999	402.704	0.294	4.000	402.919	-2.00	4.065	402.822	-150.00
-4.213	403.376	-150.00	-4.000	403.695	-2.00	467+0.000	403.775	403.497	0.278	4.000	403.695	-2.00	4.054	403.613	-150.00
-4.204	404.360	-150.00	-4.000	404.666	-2.00	468+0.000	404.746	404.479	0.266	4.000	404.666	-2.00	4.050	404.590	-150.00
-4.232	405.189	-150.00	-4.000	405.537	-2.00	469+0.000	405.617	405.305	0.312	4.000	405.537	-2.00	4.081	405.416	-150.00
-4.222	405.899	-150.00	-4.000	406.233	-2.00	470+0.000	406.313	406.013	0.300	4.000	406.233	-2.00	4.073	406.123	-150.00
-4.232	406.470	-150.00	-4.000	406.818	-2.00	471+0.000	406.898	406.584	0.314	4.000	406.818	-2.00	4.083	406.694	-150.00
-4.236	407.024	-150.00	-4.000	407.378	-2.00	472+0.000	407.458	407.138	0.320	4.000	407.378	-2.00	4.086	407.249	-150.00

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUOP
Secretaria de Estado

-4.242	407.555	-150.00	-4.000	407.918	-2.00	473+0.000	407.998	407.661	0.337	4.000	407.918	-2.00	4.103	407.763	-150.00
-4.226	407.766	-150.00	-4.000	408.106	-2.00	474+0.000	408.186	407.870	0.315	4.000	408.106	-2.00	4.090	407.970	-150.00
-4.221	407.898	-150.00	-4.000	408.230	-2.00	475+0.000	408.310	407.975	0.336	4.000	408.230	-2.00	4.121	408.049	-150.00
-4.222	407.999	-150.00	-4.000	408.332	-2.00	476+0.000	408.412	408.029	0.383	4.000	408.332	-2.00	4.192	408.044	-150.00
-4.209	407.718	-150.00	-4.000	408.032	-2.00	477+0.000	408.112	407.732	0.380	4.000	408.032	-2.00	4.191	407.746	-150.00
-4.177	407.460	-150.00	-4.000	407.726	-2.00	478+0.000	407.806	407.451	0.355	4.000	407.726	-2.00	4.190	407.442	-150.00
-4.206	407.379	-150.00	-4.000	407.688	-2.00	479+0.000	407.768	407.370	0.398	4.000	407.688	-2.00	4.203	407.384	-150.00
-4.239	407.216	-150.00	-4.000	407.574	-2.00	480+0.000	407.654	407.278	0.375	4.000	407.574	-2.00	4.150	407.348	-150.00
-4.214	407.009	-150.00	-4.000	407.329	-2.00	481+0.000	407.409	407.064	0.346	4.000	407.329	-2.00	4.131	407.133	-150.00
-4.221	406.754	-150.00	-4.000	407.085	-2.00	482+0.000	407.165	406.801	0.365	4.000	407.085	-2.00	4.144	406.870	-150.00
-4.226	406.503	-150.00	-4.000	406.841	-2.00	483+0.000	406.921	406.551	0.371	4.000	406.841	-2.00	4.131	406.645	-150.00
-4.224	406.261	-150.00	-4.000	406.598	-2.00	484+0.000	406.678	406.303	0.375	4.000	406.598	-2.00	4.133	406.398	-150.00
-4.221	406.089	-150.00	-4.000	406.420	-2.00	485+0.000	406.500	406.128	0.371	4.000	406.420	-2.00	4.135	406.217	-150.00
-4.233	405.987	-150.00	-4.000	406.337	-2.00	486+0.000	406.417	406.064	0.354	4.000	406.337	-2.00	4.127	406.146	-150.00
-4.231	406.008	-150.00	-4.000	406.354	-2.00	487+0.000	406.434	406.085	0.349	4.000	406.354	-2.00	4.099	406.206	-150.00
-4.249	406.273	-150.00	-4.000	406.647	-2.00	488+0.000	406.727	406.397	0.330	4.000	406.647	-2.00	4.083	406.522	-150.00
-4.270	406.510	-150.00	-4.000	406.916	-2.00	489+0.000	406.996	406.641	0.355	4.000	406.916	-2.00	4.099	406.767	-150.00
-4.265	406.692	-150.00	-4.000	407.089	-2.00	490+0.000	407.169	406.823	0.346	4.000	407.089	-2.00	4.094	406.948	-150.00
-4.263	406.752	-150.00	-4.000	407.147	-2.00	491+0.000	407.227	406.868	0.359	4.000	407.147	-2.00	4.112	406.979	-150.00
-4.288	406.647	-150.00	-4.000	407.079	-2.00	492+0.000	407.159	406.758	0.401	4.000	407.079	-2.00	4.145	406.862	-150.00
-4.274	406.362	-150.00	-4.000	406.773	-2.00	493+0.000	406.853	406.468	0.385	4.000	406.773	-2.00	4.135	406.571	-150.00
-4.263	406.121	-150.00	-4.000	406.515	-2.00	494+0.000	406.595	406.226	0.369	4.000	406.515	-2.00	4.124	406.329	-150.00
-4.261	405.953	-150.00	-4.000	406.345	-2.00	495+0.000	406.425	406.062	0.363	4.000	406.345	-2.00	4.118	406.167	-150.00
-4.271	405.968	-150.00	-4.000	406.374	-2.00	496+0.000	406.454	406.103	0.352	4.000	406.374	-2.00	4.095	406.232	-150.00
-4.248	406.331	-150.00	-4.000	406.702	-2.00	497+0.000	406.782	406.471	0.311	4.000	406.702	-2.00	4.063	406.607	-150.00
-4.254	406.792	-150.00	-4.000	407.173	-2.00	498+0.000	407.253	406.938	0.315	4.000	407.173	-2.00	4.064	407.078	-150.00
-4.232	407.405	-150.00	-4.000	407.754	-2.00	499+0.000	407.834	407.532	0.302	4.000	407.754	-2.00	4.067	407.653	-150.00
-4.236	408.030	-150.00	-4.000	408.384	-2.00	500+0.000	408.464	408.152	0.312	4.000	408.384	-2.00	4.076	408.269	-150.00
-4.241	408.609	-150.00	-4.000	408.970	-2.00	501+0.000	409.050	408.716	0.334	4.000	408.970	-2.00	4.100	408.819	-150.00
-4.235	408.963	-150.00	-4.000	409.315	-2.00	502+0.000	409.395	409.059	0.336	4.000	409.315	-2.00	4.127	409.125	-150.00
-4.203	409.202	-150.00	-4.000	409.507	-2.00	503+0.000	409.587	409.260	0.327	4.000	409.507	-2.00	4.126	409.319	-150.00
-4.162	409.432	-150.00	-4.000	409.675	-2.00	504+0.000	409.755	409.493	0.262	4.000	409.675	-2.00	4.081	409.553	-150.00
-4.179	409.574	-150.00	-4.000	409.842	-2.00	505+0.000	409.922	409.580	0.342	4.000	409.842	-2.00	4.138	409.636	-150.00
-4.170	409.782	-150.00	-4.000	410.037	-2.00	506+0.000	410.117	409.780	0.337	4.000	410.037	-2.00	4.162	409.795	-150.00
-4.138	410.115	-150.00	-4.000	410.321	-2.00	507+0.000	410.401	410.087	0.314	4.000	410.321	-2.00	4.175	410.059	-150.00
-4.129	410.807	-150.00	-4.000	410.999	-2.00	508+0.000	411.079	410.793	0.286	4.000	410.999	-2.00	4.139	410.791	-150.00
-4.110	411.829	-150.00	-4.000	411.993	-2.00	509+0.000	412.073	411.804	0.269	4.000	411.993	-2.00	4.143	411.779	-150.00
-4.053	413.032	-150.00	-4.000	413.111	-2.00	510+0.000	413.191	413.009	0.182	4.000	413.111	-2.00	4.087	412.981	-150.00
-4.048	414.199	-150.00	-4.000	414.270	-2.00	511+0.000	414.350	414.170	0.180	4.000	414.270	-2.00	4.082	414.148	-150.00
-4.106	415.269	-150.00	-4.000	415.429	-2.00	512+0.000	415.509	415.261	0.248	4.000	415.429	-2.00	4.118	415.252	-150.00
-4.105	416.176	-150.00	-4.000	416.334	-2.00	513+0.000	416.414	416.155	0.260	4.000	416.334	-2.00	4.134	416.132	-150.00
-4.094	416.899	-150.00	-4.000	417.040	-2.00	514+0.000	417.120	416.892	0.228	4.000	417.040	-2.00	4.120	416.859	-150.00
-4.171	417.372	-150.00	-4.000	417.628	-2.00	515+0.000	417.708	417.397	0.312	4.000	417.628	-2.00	4.138	417.421	-150.00
-4.172	417.841	-150.00	-4.000	418.100	-2.00	516+0.000	418.180	417.823	0.356	4.000	418.100	-2.00	4.196	417.805	-150.00
-4.212	418.137	-150.00	-4.000	418.454	-2.00	517+0.000	418.534	418.115	0.419	4.000	418.454	-2.00	4.240	418.093	-150.00
-4.241	418.330	-150.00	-4.000	418.692	-2.00	518+0.000	418.772	418.327	0.445	4.000	418.692	-2.00	4.246	418.323	-150.00
-4.279	418.417	-150.00	-4.000	418.836	-2.00	519+0.000	418.916	418.411	0.505	4.000	418.836	-2.00	4.285	418.409	-150.00
-4.297	418.527	-150.00	-4.000	418.972	-2.00	520+0.000	419.052	418.516	0.536	4.000	418.972	-2.00	4.309	418.509	-150.00
-4.255	418.750	-150.00	-4.000	419.132	-2.00	521+0.000	419.212	418.734	0.478	4.000	419.132	-2.00	4.276	418.718	-150.00
-4.260	419.136	-150.00	-4.000	419.526	-2.00	522+0.000	419.606	419.110	0.496	4.000	419.526	-2.00	4.280	419.106	-150.00
-4.139	419.995	-150.00	-4.000	420.204	-2.00	523+0.000	420.284	419.984	0.299	4.000	420.204	-2.00	4.153	419.974	-150.00
-4.116	420.990	-150.00	-4.000	421.164	-2.00	524+0.000	421.244	420.968	0.276	4.000	421.164	-2.00	4.147	420.943	-150.00
-4.100	422.094	-150.00	-4.000	422.245	-2.00	525+0.000	422.325	422.092	0.232	4.000	422.245	-2.00	4.103	422.090	-150.00
-4.092	423.158	-150.00	-4.000	423.296	-2.00	526+0.000	423.376	423.232	0.143	4.000	423.296	-2.00	4.014	423.305	66.67
-4.321	423.367	-150.00	-4.000	423.848	-2.00	527+0.000	423.928	423.611	0.317	4.000	423.848	-2.00	4.007	423.837	-150.00
-4.397	423.143	-150.00	-4.000	423.739	-2.00	528+0.000	423.819	423.417	0.402	4.000	423.739	-2.00	4.052	423.661	-150.00
-4.315	422.784	-150.00	-4.000	423.257	-2.00	529+0.000	423.337	423.025	0.312	4.000	423.257	-2.00	4.008	423.245	-150.00
-4.310	422.309	-150.00	-4.000	422.773	-2.00	530+0.000	422.853	422.548	0.305	4.000	422.773	-2.00	4.016	422.750	-150.00
-4.276	421.875	-150.00	-4.000	422.290	-2.00	531+0.000	422.370	422.083	0.287	4.000	422.290	-2.00			
-4.288	421.430	-150.00	-4.000	421.862	-2.00	532+0.000	421.942	421.654	0.288	4.000	421.862	-2.00			
-4.288	421.300	-150.00	-4.000	421.732	-2.00	533+0.000	421.812	421.517	0.295	4.000	421.732	-2.00	4.057	421.770	66.67
-4.301	421.478	-150.00	-4.000	421.929	-2.00	534+0.000	422.009	421.694	0.315	4.000	421.929	-2.00	4.017	421.904	-150.00
-4.399	421.844	-150.00	-4.000	422.443	-2.00	535+0.000	422.523	422.119	0.404	4.000	422.443	-2.00	4.043	422.379	-150.00
-4.388	422.440	-150.00	-4.000	423.023	-2.00	536+0.000	423.103	422.709	0.394	4.000	423.023	-2.00	4.044	422.957	-150.00
-4.345	422.995	-150.00	-4.000	423.513	-2.00	537+0.000	423.593	423.253	0.340	4.000	423.513	-2.00	4.015	423.491	-150.00
-4.261	423.519	-150.00	-4.000	423.910	-2.00	538+0.000	423.990	423.769	0.222	4.000	423.910	-2.00	4.152	424.012	66.67
-4.203	423.965	-150.00	-4.000	424.269	-2.00	539+0.000	424.349	424.154	0.195	4.000	424.269	-2.00	4.104	424.339	66.67
-4.216	424.304	-150.00	-4.000	424.628	-2.00	540+0.000	424.708	424.443	0.265	4.000	424.628	-2.00	4.024	424.593	-150.00
-4.195	424.694	-150.00	-4.000	424.987	-2.00	541+0.000	425.067	424.733	0.334	4.000	424.987	-2.00	4.089	424.854	-150.00
-4.178	425.071	-150.00	-4.000	425.337	-2.00	542+0.000	425.417	425.072	0.345	4.000	425.337	-2.00	4.169	425.083	-150.00
-4.166	425.290	-150.00	-4.000	425.539	-2.00	543+0.000	425.619	425.274	0.344	4.000	425.539	-2.00	4.182	425.266	-150.00
-4.159	425.429	-150.00	-4.000	425.667	-2.00	544+0.000	425.747	425.377	0.370	4.000	425.667	-2.00	4.228	425.324	-150.00
-4.150	425.434	-150.00	-4.000	425.659	-2.00	545+0.000	425.739	425.383	0.356	4.000	425.659	-2.00	4.219	425.331	-150.00
-4.168	425.484	-150.00	-4.000	425.736	-2.00	546+0.000	425.816	425.449	0.367	4.000	425.736	-2.00	4.215	425.413	-150.00
-4.269	425.538	-150.00	-4.000	425.941	-2.00	547+0.000	426.021	425.502	0.519	4.000	425.941	-2.00	4.282	425.518	-150.00
-4.295	425.720	-150.00	-4.000	426.161	-2.00	548+0.000	426.241	425.736	0.506	4.000	426.161	-2.00	4.273	425.752	-150.00
-4.303	425.927	-150.00	-4.000	426.382	-2.00	549+0.000	426.462	425.979	0.483	4.000	426.382	-2.00	4.235	426.030	-150.00
-4.261	426.211	-150.00	-4.000	426.602	-2.00	550+0.000	426.682	426.260	0.423	4.000	426.602	-2.00	4.196	426.308	-150.00
-4.234	426.471	-150.00	-4.000	426.823	-2.00	551+0.000	426.903	426.555	0.347	4.000	426.823	-2.00	4.123	426.637	-150.00
-4.270	426.610	-150.00	-4.000	427.015	-2.00	552+0.000	427.095	426.690	0.405	4.000	427.015	-2.00	4.149	426.792	-150.00

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Projetos
Projetos e Obras - DUPPO
Secretaria das Cidades (Sscid)

-4.279	426.742	-150.00	-4.000	427.160	-2.00	553+0.000	427.240	426.879	0.361	4.000	427.160	-2.00	4.100	427.010	-150.00
-4.291	426.755	-150.00	-4.000	427.192	-2.00	554+0.000	427.272	426.897	0.375	4.000	427.192	-2.00	4.100	427.042	-150.00
-4.290	426.789	-150.00	-4.000	427.223	-2.00	555+0.000	427.303	426.925	0.379	4.000	427.223	-2.00	4.103	427.070	-150.00
-4.295	426.813	-150.00	-4.000	427.255	-2.00	556+0.000	427.335	426.952	0.384	4.000	427.255	-2.00	4.108	427.094	-150.00
-4.280	426.866	-150.00	-4.000	427.287	-2.00	557+0.000	427.367	427.014	0.353	4.000	427.287	-2.00	4.088	427.155	-150.00
-4.293	426.936	-150.00	-4.000	427.376	-2.00	558+0.000	427.456	427.103	0.353	4.000	427.376	-2.00	4.076	427.261	-150.00
-4.262	427.241	-150.00	-4.000	427.634	-2.00	559+0.000	427.714	427.392	0.323	4.000	427.634	-2.00	4.060	427.544	-150.00
-4.227	427.681	-150.00	-4.000	428.020	-2.00	560+0.000	428.100	427.774	0.326	4.000	428.020	-2.00	4.117	427.845	-150.00
-4.260	428.041	-150.00	-4.000	428.431	-2.00	561+0.000	428.511	428.143	0.368	4.000	428.431	-2.00	4.127	428.241	-150.00
-4.202	428.536	-150.00	-4.000	428.838	-2.00	562+0.000	428.918	428.573	0.345	4.000	428.838	-2.00	4.171	428.581	-150.00
-4.198	428.844	-150.00	-4.000	429.142	-2.00	563+0.000	429.222	428.859	0.362	4.000	429.142	-2.00	4.178	428.874	-150.00
-4.191	428.990	-150.00	-4.000	429.276	-2.00	564+0.000	429.356	428.971	0.385	4.000	429.276	-2.00	4.216	428.952	-150.00
-4.192	428.772	-150.00	-4.000	429.059	-2.00	565+0.000	429.139	428.759	0.381	4.000	429.059	-2.00	4.209	428.746	-150.00
-4.195	428.511	-150.00	-4.000	428.805	-2.00	566+0.000	428.885	428.484	0.401	4.000	428.805	-2.00	4.238	428.447	-150.00
-4.190	428.265	-150.00	-4.000	428.550	-2.00	567+0.000	428.630	428.266	0.364	4.000	428.550	-2.00	4.188	428.268	-150.00
-4.152	428.103	-150.00	-4.000	428.330	-2.00	568+0.000	428.410	428.083	0.327	4.000	428.330	-2.00	4.178	428.064	-150.00
-4.148	428.127	-150.00	-4.000	428.349	-2.00	569+0.000	428.429	428.118	0.311	4.000	428.349	-2.00	4.166	428.100	-150.00
-4.105	428.481	-150.00	-4.000	428.638	-2.00	570+0.000	428.718	428.435	0.283	4.000	428.638	-2.00	4.153	428.409	-150.00
-4.111	429.032	-150.00	-4.000	429.198	-2.00	571+0.000	429.278	429.047	0.231	4.000	429.198	-2.00	4.092	429.060	-150.00
-4.139	429.752	-150.00	-4.000	429.960	-2.00	572+0.000	430.040	429.795	0.245	4.000	429.960	-2.00	4.082	429.838	-150.00
-4.161	430.492	-150.00	-4.000	430.733	-2.00	573+0.000	430.813	430.532	0.281	4.000	430.733	-2.00	4.108	430.571	-150.00
-4.181	431.235	-150.00	-4.000	431.506	-2.00	574+0.000	431.586	431.303	0.283	4.000	431.506	-2.00	4.110	431.341	-150.00
-4.268	431.528	-150.00	-4.000	431.931	-2.00	575+0.000	432.011	431.632	0.379	4.000	431.931	-2.00	4.138	431.723	-150.00
-4.254	431.731	-150.00	-4.000	432.113	-2.00	576+0.000	432.193	431.815	0.378	4.000	432.113	-2.00	4.144	431.897	-150.00
-4.265	431.898	-150.00	-4.000	432.295	-2.00	577+0.000	432.375	432.057	0.319	4.000	432.295	-2.00	4.074	432.184	-150.00
-4.252	432.182	-150.00	-4.000	432.560	-2.00	578+0.000	432.640	432.317	0.324	4.000	432.560	-2.00	4.076	432.446	-150.00
-4.251	432.583	-150.00	-4.000	432.959	-2.00	579+0.000	433.039	432.713	0.326	4.000	432.959	-2.00	4.083	432.834	-150.00
-4.272	432.842	-150.00	-4.000	433.251	-2.00	580+0.000	433.331	432.964	0.366	4.000	433.251	-2.00	4.107	433.091	-150.00
-4.259	433.026	-150.00	-4.000	433.415	-2.00	581+0.000	433.495	433.175	0.320	4.000	433.415	-2.00	4.070	433.310	-150.00
-4.300	433.001	-150.00	-4.000	433.452	-2.00	582+0.000	433.532	433.152	0.380	4.000	433.452	-2.00	4.111	433.286	-150.00
-4.286	432.934	-150.00	-4.000	433.363	-2.00	583+0.000	433.443	433.064	0.379	4.000	433.363	-2.00	4.121	433.181	-150.00
-4.282	432.807	-150.00	-4.000	433.230	-2.00	584+0.000	433.310	432.939	0.371	4.000	433.230	-2.00	4.110	433.065	-150.00
-4.225	432.795	-150.00	-4.000	433.132	-2.00	585+0.000	433.212	432.909	0.303	4.000	433.132	-2.00	4.076	433.018	-150.00
-4.207	432.830	-150.00	-4.000	433.140	-2.00	586+0.000	433.220	432.900	0.320	4.000	433.140	-2.00	4.114	432.969	-150.00
-4.169	433.002	-150.00	-4.000	433.255	-2.00	587+0.000	433.335	433.098	0.237	4.000	433.255	-2.00	4.084	433.130	-150.00
-4.162	433.235	-150.00	-4.000	433.478	-2.00	588+0.000	433.558	433.291	0.267	4.000	433.478	-2.00	4.081	433.356	-150.00
-4.062	433.716	-150.00	-4.000	433.808	-2.00	589+0.000	433.888	433.738	0.150	4.000	433.808	-2.00	4.032	433.759	-150.00
-4.040	434.186	-150.00	-4.000	434.246	-2.00	590+0.000	434.326	434.187	0.139	4.000	434.246	-2.00	4.038	434.188	-150.00
-4.092	434.652	-150.00	-4.000	434.790	-2.00	591+0.000	434.870	434.645	0.225	4.000	434.790	-2.00	4.101	434.638	-150.00
-4.152	434.981	-150.00	-4.000	435.210	-2.00	592+0.000	435.290	434.950	0.340	4.000	435.210	-2.00	4.202	434.907	-150.00
-4.150	435.201	-150.00	-4.000	435.426	-2.00	593+0.000	435.506	435.170	0.337	4.000	435.426	-2.00	4.192	435.138	-150.00
-4.161	435.521	-150.00	-4.000	435.763	-2.00	594+0.000	435.843	435.474	0.369	4.000	435.763	-2.00	4.225	435.426	-150.00
-4.227	435.884	-150.00	-4.000	436.224	-2.00	595+0.000	436.304	435.851	0.453	4.000	436.224	-2.00	4.266	435.825	-150.00
-4.181	436.415	-150.00	-4.000	436.686	-2.00	596+0.000	436.766	436.392	0.375	4.000	436.686	-2.00	4.227	436.345	-150.00
-4.143	436.936	-150.00	-4.000	437.150	-2.00	597+0.000	437.230	436.920	0.309	4.000	437.150	-2.00	4.160	436.910	-150.00
-4.194	437.695	-150.00	-4.000	437.986	-2.00	598+0.000	438.066	437.752	0.314	4.000	437.986	-2.00	4.119	437.808	-150.00
-4.205	438.641	-150.00	-4.000	438.949	-2.00	599+0.000	439.029	438.681	0.348	4.000	438.949	-2.00	4.153	438.719	-150.00
-4.167	439.660	-150.00	-4.000	439.911	-2.00	600+0.000	439.991	439.699	0.292	4.000	439.911	-2.00	4.129	439.718	-150.00
-4.197	440.468	-150.00	-4.000	440.763	-2.00	601+0.000	440.843	440.505	0.338	4.000	440.763	-2.00	4.148	440.541	-150.00
-4.180	440.960	-150.00	-4.000	441.231	-2.00	602+0.000	441.311	440.981	0.329	4.000	441.231	-2.00	4.152	441.002	-150.00
-4.184	441.238	-150.00	-4.000	441.514	-2.00	603+0.000	441.594	441.259	0.335	4.000	441.514	-2.00	4.217	441.188	-150.00
-4.182	441.304	-150.00	-4.000	441.577	-2.00	604+0.000	441.657	441.234	0.423	4.000	441.577	-2.00	4.276	441.162	-150.00
-4.197	441.015	-150.00	-4.000	441.311	-2.00	605+0.000	441.391	440.981	0.410	4.000	441.311	-2.00	4.243	440.946	-150.00
-4.160	440.773	-150.00	-4.000	441.013	-2.00	606+0.000	441.093	440.663	0.430	4.000	441.013	-2.00	4.313	440.543	-150.00
-4.120	440.536	-150.00	-4.000	440.716	-2.00	607+0.000	440.796	440.430	0.367	4.000	440.716	-2.00	4.269	440.312	-150.00
-4.076	440.429	-150.00	-4.000	440.543	-2.00	608+0.000	440.623	440.273	0.350	4.000	440.543	-2.00	4.290	440.108	-150.00
-4.104	440.575	-150.00	-4.000	440.732	-2.00	609+0.000	440.812	440.425	0.386	4.000	440.732	-2.00	4.309	440.268	-150.00
-4.111	440.812	-150.00	-4.000	440.978	-2.00	610+0.000	441.058	440.644	0.413	4.000	440.978	-2.00	4.340	440.467	-150.00
-4.069	441.120	-150.00	-4.000	441.224	-2.00	611+0.000	441.304	440.940	0.363	4.000	441.224	-2.00	4.306	440.765	-150.00
-4.091	441.315	-150.00	-4.000	441.451	-2.00	612+0.000	441.531	441.167	0.364	4.000	441.451	-2.00	4.292	441.013	-150.00
-4.112	441.491	-150.00	-4.000	441.660	-2.00	613+0.000	441.740	441.342	0.397	4.000	441.660	-2.00	4.316	441.186	-150.00
-4.113	441.699	-150.00	-4.000	441.868	-2.00	614+0.000	441.948	441.545	0.403	4.000	441.868	-2.00	4.320	441.388	-150.00
-4.089	441.969	-150.00	-4.000	442.103	-2.00	615+0.000	442.183	441.853	0.330	4.000	442.103	-2.00	4.243	441.739	-150.00
-4.071	442.411	-150.00	-4.000	442.518	-2.00	616+0.000	442.598	442.288	0.310	4.000	442.518	-2.00	4.238	442.161	-150.00
-4.028	442.934	-150.00	-4.000	442.977	-2.00	617+0.000	443.057	442.767	0.291	4.000	442.977	-2.00	4.242	442.614	-150.00
-4.037	443.748	-150.00	-4.000	443.804	-2.00	618+0.000	443.884	443.601	0.283	4.000	443.804	-2.00	4.238	443.447	-150.00
			-4.000	444.769	-2.00	619+0.000	444.849	444.641	0.209	4.000	444.769	-2.00	4.175	444.507	-150.00
-4.061	445.786	66.67				620+0.000	445.825	445.652	0.173	4.000	445.745	-2.00	4.163	445.500	-150.00
-4.014	446.699	-150.00	-4.000	446.720	-2.00	621+0.000	446.800	446.560	0.240	4.000	446.720	-2.00	4.199	446.422	-150.00
-4.071	447.579	-150.00	-4.000	447.685	-2.00	622+0.000	447.765	447.420	0.346	4.000	447.685	-2.00	4.277	447.271	-150.00
-4.100	448.217	-150.00	-4.000	448.367	-2.00	623+0.000	448.447	448.084	0.363	4.000	448.367	-2.00	4.287	447.936	-150.00
-4.044	448.722	-150.00	-4.000	448.788	-2.00	624+0.000	448.868	448.582	0.286	4.000	448.788	-2.00	4.235	448.436	-150.00
-4.059	449.116	-150.00	-4.000	449.205	-2.00	625+0.000	449.285	448.991	0.294	4.000	449.205	-2.00	4.230	448.860	-150.00
-4.081	449.539	-150.00	-4.000	449.660	-2.00	626+0.000	449.740	449.427	0.313	4.000	449.660	-2.00	4.219	449.331	-150.00
-4.111	450.106	-150.00	-4.000	450.273	-2.00	627+0.000	450.353	450.099	0.254	4.000	450.273	-2.00	4.193	449.984	-150.00
-4.080	450.811	-150.00	-4.000	450.930	-2.00	628+0.000	451.010	450.739	0.272	4.000	450.930	-2.00	4.177	450.664	-150.00
-4.143	451.930	-150.00	-4.000	452.144	-2.00	629+0.000	452.224	451.913	0.311	4.000	452.144	-2.00	4.165	451.896	-150.00
-4.128	453.204	-150.00	-4.000	453.395	-2.00	630+0.000	453.475	453.175	0.301	4.000	453.395	-2.00	4.167	453.145	-150.00
-4.080	454.527	-150.00	-4.000	454.646	-2.00	631+0.000	454.726	454.497	0.229	4.000	454.646	-2.00	4.109	454.483	-150.00
-4.178	455.631	-150.00	-4.000	455.898	-2.00	632+0.000	455.978	455.685	0.293	4.000	455.898	-2.00	4.107	455.737	-150.00

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPRO
Secretaria de Cidade

-4.207	456.839	-150.00	-4.000	457.149	-2.00	633+0.000	457.229	456.911	0.317	4.000	457.149	-2.00	4.111	456.982	-150.00
-4.296	457.596	-150.00	-4.000	458.039	-2.00	634+0.000	458.119	457.789	0.331	4.000	458.039	-2.00	4.050	457.964	-150.00
-4.298	458.152	-150.00	-4.000	458.599	-2.00	635+0.000	458.679	458.338	0.341	4.000	458.599	-2.00	4.057	458.514	-150.00
-4.360	458.303	-150.00	-4.000	458.843	-2.00	636+0.000	458.923	458.552	0.371	4.000	458.843	-2.00	4.041	458.782	-150.00
-4.309	458.394	-150.00	-4.000	458.857	-2.00	637+0.000	458.937	458.663	0.274	4.000	458.857	-2.00	4.016	458.868	66.67
-4.429	458.194	-150.00	-4.000	458.838	-2.00	638+0.000	458.918	458.540	0.378	4.000	458.838	-2.00	4.032	458.790	-150.00
-4.417	458.002	-150.00	-4.000	458.627	-2.00	639+0.000	458.707	458.350	0.357	4.000	458.627	-2.00	4.064	458.670	66.67
-4.420	457.786	-150.00	-4.000	458.416	-2.00	640+0.000	458.496	458.121	0.375	4.000	458.416	-2.00	4.015	458.426	66.67
-4.428	457.562	-150.00	-4.000	458.204	-2.00	641+0.000	458.284	457.892	0.393	4.000	458.204	-2.00	4.009	458.190	-150.00
-4.418	457.366	-150.00	-4.000	457.993	-2.00	642+0.000	458.073	457.696	0.378	4.000	457.993	-2.00			
-4.420	457.250	-150.00	-4.000	457.879	-2.00	643+0.000	457.959	457.624	0.336	4.000	457.879	-2.00	4.020	457.893	66.67
-4.461	457.217	-150.00	-4.000	457.908	-2.00	644+0.000	457.988	457.647	0.341	4.000	457.908	-2.00	4.103	457.976	66.67
-4.416	457.589	-150.00	-4.000	458.214	-2.00	645+0.000	458.294	457.958	0.335	4.000	458.214	-2.00	4.173	458.329	66.67
-4.421	458.244	-150.00	-4.000	458.875	-2.00	646+0.000	458.955	458.635	0.320	4.000	458.875	-2.00	4.196	459.006	66.67
-4.413	458.946	-150.00	-4.000	459.566	-2.00	647+0.000	459.646	459.333	0.312	4.000	459.566	-2.00	4.205	459.702	66.67
-4.390	459.608	-150.00	-4.000	460.193	-2.00	648+0.000	460.273	459.917	0.357	4.000	460.193	-2.00	4.008	460.198	66.67
-4.387	460.165	-150.00	-4.000	460.745	-2.00	649+0.000	460.825	460.465	0.360	4.000	460.745	-2.00	4.008	460.734	-150.00
-4.409	460.684	-150.00	-4.000	461.297	-2.00	650+0.000	461.377	461.049	0.328	4.000	461.297	-2.00	4.011	461.305	66.67
-4.468	460.853	-150.00	-4.000	461.555	-2.00	651+0.000	461.635	461.290	0.345	4.000	461.555	-2.00	4.094	461.618	66.67
-4.483	461.020	-150.00	-4.000	461.745	-2.00	652+0.000	461.825	461.469	0.356	4.000	461.745	-2.00	4.141	461.839	66.67
-4.490	461.049	-150.00	-4.000	461.785	-2.00	653+0.000	461.865	461.510	0.355	4.000	461.785	-2.00	4.239	461.944	66.67
-4.485	461.062	-150.00	-4.000	461.789	-2.00	654+0.000	461.869	461.522	0.346	4.000	461.789	-2.00	4.255	461.959	66.67
-4.490	461.057	-150.00	-4.000	461.793	-2.00	655+0.000	461.873	461.520	0.353	4.000	461.793	-2.00	4.246	461.957	66.67
-4.509	461.033	-150.00	-4.000	461.796	-2.00	656+0.000	461.876	461.510	0.366	4.000	461.796	-2.00	4.223	461.945	66.67
-4.510	461.015	-150.00	-4.000	461.780	-2.00	657+0.000	461.860	461.511	0.349	4.000	461.780	-2.00	4.283	461.968	66.67
-4.418	461.165	-150.00	-4.000	461.792	-2.00	658+0.000	461.872	461.574	0.298	4.000	461.792	-2.00	4.251	461.960	66.67
-4.421	461.397	-150.00	-4.000	462.028	-2.00	659+0.000	462.108	461.810	0.297	4.000	462.028	-2.00	4.274	462.211	66.67
-4.414	461.643	-150.00	-4.000	462.263	-2.00	660+0.000	462.343	462.006	0.337	4.000	462.263	-2.00	4.160	462.369	66.67
-4.411	462.026	-150.00	-4.000	462.642	-2.00	661+0.000	462.722	462.426	0.296	4.000	462.642	-2.00	4.144	462.738	66.67
-4.406	462.430	-150.00	-4.000	463.040	-2.00	662+0.000	463.120	462.831	0.289	4.000	463.040	-2.00	4.138	463.132	66.67
-4.408	462.799	-150.00	-4.000	463.411	-2.00	663+0.000	463.491	463.139	0.352	4.000	463.411	-2.00	4.039	463.437	66.67
-4.389	463.132	-150.00	-4.000	463.715	-2.00	664+0.000	463.795	463.433	0.362	4.000	463.715	-2.00	4.027	463.733	66.67
-4.300	463.570	-150.00	-4.000	464.020	-2.00	665+0.000	464.100	463.766	0.334	4.000	464.020	-2.00	4.046	463.950	-150.00
-4.293	463.705	-150.00	-4.000	464.145	-2.00	666+0.000	464.225	463.894	0.331	4.000	464.145	-2.00	4.047	464.074	-150.00
-4.254	463.871	-150.00	-4.000	464.252	-2.00	667+0.000	464.332	464.058	0.274	4.000	464.252	-2.00	4.071	464.146	-150.00
-4.279	463.719	-150.00	-4.000	464.138	-2.00	668+0.000	464.218	463.824	0.394	4.000	464.138	-2.00	4.144	463.922	-150.00
-4.286	463.368	-150.00	-4.000	463.797	-2.00	669+0.000	463.877	463.474	0.403	4.000	463.797	-2.00	4.148	463.575	-150.00
-4.201	462.898	-150.00	-4.000	463.200	-2.00	670+0.000	463.280	462.835	0.444	4.000	463.200	-2.00	4.300	462.749	-150.00
-4.196	462.057	-150.00	-4.000	462.351	-2.00	671+0.000	462.431	462.024	0.407	4.000	462.351	-2.00	4.275	461.938	-150.00
-4.183	461.229	-150.00	-4.000	461.502	-2.00	672+0.000	461.582	461.189	0.393	4.000	461.502	-2.00	4.282	461.080	-150.00
-4.192	460.366	-150.00	-4.000	460.654	-2.00	673+0.000	460.734	460.310	0.423	4.000	460.654	-2.00	4.267	460.254	-150.00
-4.182	459.599	-150.00	-4.000	459.872	-2.00	674+0.000	459.952	459.502	0.449	4.000	459.872	-2.00	4.313	459.403	-150.00
-4.141	458.930	-150.00	-4.000	459.142	-2.00	675+0.000	459.222	458.800	0.422	4.000	459.142	-2.00	4.318	458.664	-150.00
-4.144	458.195	-150.00	-4.000	458.412	-2.00	676+0.000	458.492	458.058	0.434	4.000	458.412	-2.00	4.332	457.914	-150.00
-4.131	457.485	-150.00	-4.000	457.682	-2.00	677+0.000	457.762	457.339	0.423	4.000	457.682	-2.00	4.343	457.168	-150.00
-4.124	456.669	-150.00	-4.000	456.855	-2.00	678+0.000	456.935	456.514	0.421	4.000	456.855	-2.00	4.335	456.352	-150.00
-4.137	455.810	-150.00	-4.000	456.015	-2.00	679+0.000	456.095	455.661	0.434	4.000	456.015	-2.00	4.344	455.498	-150.00
-4.143	454.865	-150.00	-4.000	455.079	-2.00	680+0.000	455.159	454.737	0.422	4.000	455.079	-2.00	4.343	454.565	-150.00
-4.162	453.857	-150.00	-4.000	454.100	-2.00	681+0.000	454.180	453.730	0.450	4.000	454.100	-2.00	4.348	453.578	-150.00
-4.157	452.885	-150.00	-4.000	453.121	-2.00	682+0.000	453.201	452.749	0.452	4.000	453.121	-2.00	4.343	452.607	-150.00
-4.183	451.931	-150.00	-4.000	452.206	-2.00	683+0.000	452.286	451.794	0.492	4.000	452.206	-2.00	4.370	451.651	-150.00
-4.118	451.150	-150.00	-4.000	451.327	-2.00	684+0.000	451.407	450.976	0.431	4.000	451.327	-2.00	4.357	450.792	-150.00
-4.126	450.476	-150.00	-4.000	450.665	-2.00	685+0.000	450.745	450.328	0.417	4.000	450.665	-2.00	4.329	450.172	-150.00
-4.134	449.813	-150.00	-4.000	450.014	-2.00	686+0.000	450.094	449.675	0.419	4.000	450.014	-2.00	4.322	449.531	-150.00
-4.099	449.128	-150.00	-4.000	449.276	-2.00	687+0.000	449.356	448.963	0.393	4.000	449.276	-2.00	4.340	448.765	-150.00
-4.127	448.218	-150.00	-4.000	448.408	-2.00	688+0.000	448.488	448.037	0.451	4.000	448.408	-2.00	4.372	447.851	-150.00
-4.120	447.274	-150.00	-4.000	447.454	-2.00	689+0.000	447.534	447.086	0.448	4.000	447.454	-2.00	4.369	446.900	-150.00
-4.109	446.198	-150.00	-4.000	446.361	-2.00	690+0.000	446.441	445.944	0.497	4.000	446.361	-2.00	4.437	445.705	-150.00
-4.145	444.963	-150.00	-4.000	445.180	-2.00	691+0.000	445.260	444.708	0.552	4.000	445.180	-2.00	4.494	444.440	-150.00
-4.081	443.884	-150.00	-4.000	444.006	-2.00	692+0.000	444.086	443.613	0.473	4.000	444.006	-2.00	4.459	443.317	-150.00
-4.052	442.909	-150.00	-4.000	442.988	-2.00	693+0.000	443.068	442.627	0.441	4.000	442.988	-2.00	4.447	442.318	-150.00
-4.064	442.239	66.67				694+0.000	442.276	441.919	0.356	4.000	442.196	-2.00	4.416	441.572	-150.00
-4.055	441.535	66.67				695+0.000	441.579	441.215	0.363	4.000	441.499	-2.00	4.418	440.872	-150.00
			-4.000	440.800	-2.00	696+0.000	440.880	440.485	0.395	4.000	440.800	-2.00	4.442	440.138	-150.00
-4.027	439.996	-150.00	-4.000	440.037	-2.00	697+0.000	440.117	439.673	0.445	4.000	440.037	-2.00	4.492	439.299	-150.00
-4.030	439.107	-150.00	-4.000	439.151	-2.00	698+0.000	439.231	438.796	0.435	4.000	439.151	-2.00	4.492	438.414	-150.00
-4.038	438.208	-150.00	-4.000	438.266	-2.00	699+0.000	438.346	437.913	0.432	4.000	438.266	-2.00	4.458	437.579	-150.00
-4.052	437.489	-150.00	-4.000	437.568	-2.00	700+0.000	437.648	437.230	0.418	4.000	437.568	-2.00	4.435	436.916	-150.00
-4.056	436.813	-150.00	-4.000	436.896	-2.00	701+0.000	436.976	436.557	0.419	4.000	436.896	-2.00	4.434	436.245	-150.00
-4.061	436.054	-150.00	-4.000	436.145	-2.00	702+0.000	436.225	435.791	0.434	4.000	436.145	-2.00	4.424	435.509	-150.00
-4.057	435.260	-150.00	-4.000	435.346	-2.00	703+0.000	435.426	434.995	0.430	4.000	435.346	-2.00	4.424	434.710	-150.00
-4.150	434.079	-150.00	-4.000	434.305	-2.00	704+0.000	434.385	433.894	0.491	4.000	434.305	-2.00	4.415	433.682	-150.00
-4.137	432.857	-150.00	-4.000	433.063	-2.00	705+0.000	433.143	432.672	0.471	4.000	433.063	-2.00	4.391	432.476	-150.00
-4.132	431.655	-150.00	-4.000	431.853	-2.00	706+0.000	431.933	431.470	0.464	4.000	431.853	-2.00	4.372	431.295	-150.00
-4.137	430.545	-150.00	-4.000	430.751	-2.00	707+0.000	430.831	430.380	0.450	4.000	430.751	-2.00	4.363	430.207	-150.00
-4.131	429.634	-150.00	-4.000	429.831	-2.00	708+0.000	429.911	429.432	0.479	4.000	429.831	-2.00	4.410	429.216	-150.00
-4.147	428.897	-150.00	-4.000	429.117	-2.00	709+0.000	429.197	428.778	0.419	4.000	429.117	-2.00	4.309	428.654	-150.00
-4.142	428.416	-150.00	-4.000	428.628	-2.00	710+0.000	428.708	428.285	0.423	4.000	428.628	-2.00	4.320	428.148	-150.00
-4.283	427.950	-150.00	-4.000	428.374	-2.00	711+0.000	428.454	427.941	0.513	4.000	428.374	-2.00	4.291	427.938	-150.00
-4.235	427.802	-150.00	-4.000	428.154	-2.00	712+0.000	428.234	427.826	0.407	4.000	428.154	-2.00	4.195	427.861	-150.00

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Projetos
Projetos e Obras - DUPPO
Secretaria de Estado (Sectran)

-4.186	427.654	-150.00	-4.000	427.933	-2.00	713+0.000	428.013	427.642	0.371	4.000	427.933	-2.00	4.155	427.700	-150.00
-4.244	427.573	-150.00	-4.000	427.940	-2.00	714+0.000	428.020	427.682	0.338	4.000	427.940	-2.00	4.096	427.796	-150.00
-4.241	427.659	-150.00	-4.000	428.021	-2.00	715+0.000	428.101	427.768	0.333	4.000	428.021	-2.00	4.096	427.877	-150.00
-4.291	427.720	-150.00	-4.000	428.157	-2.00	716+0.000	428.237	427.926	0.311	4.000	428.157	-2.00	4.026	428.119	-150.00
-4.299	428.052	-150.00	-4.000	428.500	-2.00	717+0.000	428.580	428.258	0.323	4.000	428.500	-2.00	4.033	428.451	-150.00
-4.320	428.363	-150.00	-4.000	428.843	-2.00	718+0.000	428.923	428.574	0.349	4.000	428.843	-2.00	4.034	428.792	-150.00
-4.265	428.754	-150.00	-4.000	429.152	-2.00	719+0.000	429.232	428.992	0.241	4.000	429.152	-2.00	4.101	429.220	66.67
-4.291	429.004	-150.00	-4.000	429.440	-2.00	720+0.000	429.520	429.273	0.247	4.000	429.440	-2.00	4.139	429.532	66.67
-4.326	429.239	-150.00	-4.000	429.728	-2.00	721+0.000	429.808	429.485	0.323	4.000	429.728	-2.00	4.006	429.718	-150.00
-4.274	429.773	-150.00	-4.000	430.185	-2.00	722+0.000	430.265	429.958	0.306	4.000	430.185	-2.00	4.032	430.136	-150.00
-4.244	430.336	-150.00	-4.000	430.702	-2.00	723+0.000	430.782	430.472	0.310	4.000	430.702	-2.00	4.071	430.596	-150.00
-4.246	430.636	-150.00	-4.000	431.005	-2.00	724+0.000	431.085	430.732	0.353	4.000	431.005	-2.00	4.094	430.864	-150.00
-4.245	430.904	-150.00	-4.000	431.271	-2.00	725+0.000	431.351	431.005	0.346	4.000	431.271	-2.00	4.104	431.116	-150.00
-4.217	431.031	-150.00	-4.000	431.357	-2.00	726+0.000	431.437	431.073	0.363	4.000	431.357	-2.00	4.161	431.115	-150.00
-4.232	430.998	-150.00	-4.000	431.346	-2.00	727+0.000	431.426	431.046	0.380	4.000	431.346	-2.00	4.172	431.088	-150.00
-4.277	430.920	-150.00	-4.000	431.336	-2.00	728+0.000	431.416	431.007	0.409	4.000	431.336	-2.00	4.155	431.103	-150.00
-4.247	431.003	-150.00	-4.000	431.374	-2.00	729+0.000	431.454	431.111	0.343	4.000	431.374	-2.00	4.112	431.206	-150.00
-4.277	431.046	-150.00	-4.000	431.461	-2.00	730+0.000	431.541	431.155	0.385	4.000	431.461	-2.00	4.133	431.262	-150.00
-4.290	431.113	-150.00	-4.000	431.548	-2.00	731+0.000	431.628	431.226	0.402	4.000	431.548	-2.00	4.138	431.341	-150.00
-4.269	431.232	-150.00	-4.000	431.635	-2.00	732+0.000	431.715	431.344	0.371	4.000	431.635	-2.00	4.122	431.453	-150.00
-4.251	431.338	-150.00	-4.000	431.714	-2.00	733+0.000	431.794	431.443	0.351	4.000	431.714	-2.00	4.117	431.538	-150.00
-4.256	431.343	-150.00	-4.000	431.727	-2.00	734+0.000	431.807	431.444	0.363	4.000	431.727	-2.00	4.119	431.548	-150.00
-4.277	431.323	-150.00	-4.000	431.739	-2.00	735+0.000	431.819	431.443	0.376	4.000	431.739	-2.00	4.139	431.530	-150.00
-4.273	431.168	-150.00	-4.000	431.577	-2.00	736+0.000	431.657	431.265	0.392	4.000	431.577	-2.00	4.146	431.358	-150.00
-4.235	430.973	-150.00	-4.000	431.325	-2.00	737+0.000	431.405	431.076	0.329	4.000	431.325	-2.00	4.101	431.173	-150.00
-4.228	430.730	-150.00	-4.000	431.072	-2.00	738+0.000	431.152	430.811	0.341	4.000	431.072	-2.00	4.122	430.890	-150.00
-4.251	430.444	-150.00	-4.000	430.820	-2.00	739+0.000	430.900	430.553	0.347	4.000	430.820	-2.00	4.113	430.650	-150.00
-4.243	430.081	-150.00	-4.000	430.445	-2.00	740+0.000	430.525	430.192	0.333	4.000	430.445	-2.00	4.090	430.309	-150.00
-4.200	429.686	-150.00	-4.000	429.986	-2.00	741+0.000	430.066	429.847	0.219	4.000	429.986	-2.00	4.013	429.995	66.67
-4.260	429.137	-150.00	-4.000	429.527	-2.00	742+0.000	429.607	429.300	0.307	4.000	429.527	-2.00	4.048	429.456	-150.00
-4.328	428.528	-150.00	-4.000	429.020	-2.00	743+0.000	429.100	428.682	0.418	4.000	429.020	-2.00	4.126	428.831	-150.00
-4.340	427.806	-150.00	-4.000	428.317	-2.00	744+0.000	428.397	427.953	0.444	4.000	428.317	-2.00	4.143	428.103	-150.00
-4.321	427.132	-150.00	-4.000	427.613	-2.00	745+0.000	427.693	427.238	0.455	4.000	427.613	-2.00	4.177	427.349	-150.00
-4.298	426.479	-150.00	-4.000	426.927	-2.00	746+0.000	427.007	426.579	0.427	4.000	426.927	-2.00	4.163	426.682	-150.00
-4.312	425.865	-150.00	-4.000	426.333	-2.00	747+0.000	426.413	425.945	0.467	4.000	426.333	-2.00	4.206	426.023	-150.00
-4.288	425.331	-150.00	-4.000	425.762	-2.00	748+0.000	425.842	425.416	0.426	4.000	425.762	-2.00	4.176	425.499	-150.00
-4.320	424.802	-150.00	-4.000	425.282	-2.00	749+0.000	425.362	424.889	0.473	4.000	425.282	-2.00	4.205	424.974	-150.00
-4.353	424.272	-150.00	-4.000	424.802	-2.00	750+0.000	424.882	424.384	0.498	4.000	424.802	-2.00	4.207	424.492	-150.00
-4.231	423.975	-150.00	-4.000	424.322	-2.00	751+0.000	424.402	424.028	0.374	4.000	424.322	-2.00	4.162	424.079	-150.00
-4.204	423.696	-150.00	-4.000	424.002	-2.00	752+0.000	424.082	423.743	0.339	4.000	424.002	-2.00	4.140	423.792	-150.00
-4.229	423.354	-150.00	-4.000	423.697	-2.00	753+0.000	423.777	423.400	0.377	4.000	423.697	-2.00	4.168	423.444	-150.00
-4.234	423.041	-150.00	-4.000	423.392	-2.00	754+0.000	423.472	423.085	0.387	4.000	423.392	-2.00	4.175	423.130	-150.00
-4.206	422.680	-150.00	-4.000	422.988	-2.00	755+0.000	423.068	422.689	0.379	4.000	422.988	-2.00	4.168	422.736	-150.00
-4.181	422.170	-150.00	-4.000	422.441	-2.00	756+0.000	422.521	422.173	0.348	4.000	422.441	-2.00	4.158	422.204	-150.00
-4.213	421.576	-150.00	-4.000	421.895	-2.00	757+0.000	421.975	421.610	0.365	4.000	421.895	-2.00	4.156	421.660	-150.00
-4.252	420.975	-150.00	-4.000	421.352	-2.00	758+0.000	421.432	421.029	0.403	4.000	421.352	-2.00	4.180	421.082	-150.00
-4.272	420.532	-150.00	-4.000	420.941	-2.00	759+0.000	421.021	420.577	0.444	4.000	420.941	-2.00	4.213	420.621	-150.00
-4.262	420.136	-150.00	-4.000	420.529	-2.00	760+0.000	420.609	420.196	0.413	4.000	420.529	-2.00	4.183	420.255	-150.00
-4.154	419.919	-150.00	-4.000	420.150	-2.00	761+0.000	420.230	419.936	0.294	4.000	420.150	-2.00	4.131	419.954	-150.00
-4.128	419.804	-150.00	-4.000	419.996	-2.00	762+0.000	420.076	419.811	0.265	4.000	419.996	-2.00	4.122	419.813	-150.00
-4.133	419.898	-150.00	-4.000	420.098	-2.00	763+0.000	420.178	419.826	0.352	4.000	420.098	-2.00	4.231	419.752	-150.00
-4.180	420.158	-150.00	-4.000	420.427	-2.00	764+0.000	420.507	420.093	0.414	4.000	420.427	-2.00	4.272	420.020	-150.00
-4.191	420.507	-150.00	-4.000	420.794	-2.00	765+0.000	420.874	420.450	0.424	4.000	420.794	-2.00	4.279	420.376	-150.00
-4.163	420.916	-150.00	-4.000	421.160	-2.00	766+0.000	421.240	420.872	0.368	4.000	421.160	-2.00	4.240	420.800	-150.00
-4.064	421.490	-150.00	-4.000	421.586	-2.00	767+0.000	421.666	421.400	0.266	4.000	421.586	-2.00	4.186	421.307	-150.00
-4.093	422.145	-150.00	-4.000	422.285	-2.00	768+0.000	422.365	422.055	0.310	4.000	422.285	-2.00	4.215	421.962	-150.00
-4.063	422.912	-150.00	-4.000	423.006	-2.00	769+0.000	423.086	422.794	0.292	4.000	423.006	-2.00	4.213	422.687	-150.00
-4.105	423.811	-150.00	-4.000	423.968	-2.00	770+0.000	424.048	423.717	0.331	4.000	423.968	-2.00	4.231	423.621	-150.00
-4.128	424.746	-150.00	-4.000	424.937	-2.00	771+0.000	425.017	424.670	0.347	4.000	424.937	-2.00	4.230	424.593	-150.00
-4.154	425.676	-150.00	-4.000	425.907	-2.00	772+0.000	425.987	425.630	0.356	4.000	425.907	-2.00	4.215	425.584	-150.00
-4.120	426.696	-150.00	-4.000	426.876	-2.00	773+0.000	426.956	426.651	0.305	4.000	426.876	-2.00	4.180	426.606	-150.00
-4.087	427.715	-150.00	-4.000	427.845	-2.00	774+0.000	427.925	427.676	0.249	4.000	427.845	-2.00	4.130	427.650	-150.00
-4.088	428.683	-150.00	-4.000	428.815	-2.00	775+0.000	428.895	428.684	0.211	4.000	428.815	-2.00	4.088	428.683	-150.00
-4.109	429.620	-150.00	-4.000	429.784	-2.00	776+0.000	429.864	429.627	0.237	4.000	429.784	-2.00	4.106	429.626	-150.00
-4.181	430.443	-150.00	-4.000	430.714	-2.00	777+0.000	430.794	430.489	0.306	4.000	430.714	-2.00	4.099	430.566	-150.00
-4.152	431.243	-150.00	-4.000	431.471	-2.00	778+0.000	431.551	431.288	0.263	4.000	431.471	-2.00	4.083	431.347	-150.00
-4.222	431.826	-150.00	-4.000	432.160	-2.00	779+0.000	432.240	431.939	0.301	4.000	432.160	-2.00	4.074	432.049	-150.00
-4.256	432.425	-150.00	-4.000	432.809	-2.00	780+0.000	432.889	432.539	0.350	4.000	432.809	-2.00	4.106	432.650	-150.00
-4.260	433.066	-150.00	-4.000	433.455	-2.00	781+0.000	433.535	433.172	0.364	4.000	433.455	-2.00	4.119	433.277	-150.00
-4.238	433.744	-150.00	-4.000	434.101	-2.00	782+0.000	434.181	433.861	0.321	4.000	434.101	-2.00	4.086	433.973	-150.00
-4.233	434.398	-150.00	-4.000	434.747	-2.00	783+0.000	434.827	434.524	0.304	4.000	434.747	-2.00	4.069	434.644	-150.00
-4.193	435.003	-150.00	-4.000	435.293	-2.00	784+0.000	435.373	435.067	0.306	4.000	435.293	-2.00	4.109	435.129	-150.00
-4.202	435.339	-150.00	-4.000	435.641	-2.00	785+0.000	435.721	435.418	0.304	4.000	435.641	-2.00	4.098	435.495	-150.00
-4.220	435.661	-150.00	-4.000	435.990	-2.00	786+0.000	436.070	435.734	0.336	4.000	435.990	-2.00	4.160	435.751	-150.00
-4.227	435.841	-150.00	-4.000	436.181	-2.00	787+0.000	436.261	435.880	0.381	4.000	436.181	-2.00	4.201	435.879	-150.00
-4.249	435.988	-150.00	-4.000	436.361	-2.00	788+0.000	436.441	436.062	0.379	4.000	436.361	-2.00	4.200	436.061	-150.00
-4.193	436.326	-150.00	-4.000	436.615	-2.00	789+0.000	436.695	436.318	0.377	4.000	436.615	-2.00	4.203	436.310	-150.00
-4.176	436.778	-150.00	-4.000	437.042	-2.00	790+0.000	437.122	436.776	0.346	4.000	437.042	-2.00	4.179	436.773	-150.00
-4.232	437.436	-150.00	-4.000	437.785	-2.00	791+0.000	437.865	437.473	0.392	4.000	437.785	-2.00	4.181	437.514	-150.00
-4.191	438.336	-150.00	-4.000	438.622	-2.00	792+0.000	438.702	438.377	0.325	4.000	438.622	-2.00	4.136	438.418	-150.00

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programação
Projetos e Obras - DUPPO
Secretaria [illegible]

-4.173	439.200	-150.00	-4.000	439.460	-2.00	793+0.000	439.540	439.249	0.291	4.000	439.460	-2.00	4.128	439.268	-150.00
-4.111	439.849	-150.00	-4.000	440.016	-2.00	794+0.000	440.096	439.813	0.282	4.000	440.016	-2.00	4.159	439.777	-150.00
-4.141	440.133	-150.00	-4.000	440.344	-2.00	795+0.000	440.424	440.142	0.282	4.000	440.344	-2.00	4.128	440.151	-150.00
-4.063	440.336	-150.00	-4.000	440.430	-2.00	796+0.000	440.510	440.298	0.212	4.000	440.430	-2.00	4.114	440.259	-150.00
-4.097	440.370	-150.00	-4.000	440.515	-2.00	797+0.000	440.595	440.334	0.261	4.000	440.515	-2.00	4.145	440.298	-150.00
-4.133	440.401	-150.00	-4.000	440.601	-2.00	798+0.000	440.681	440.353	0.328	4.000	440.601	-2.00	4.215	440.279	-150.00
-4.141	440.523	-150.00	-4.000	440.735	-2.00	799+0.000	440.815	440.433	0.382	4.000	440.735	-2.00	4.288	440.303	-150.00
-4.146	440.662	-150.00	-4.000	440.880	-2.00	800+0.000	440.960	440.607	0.353	4.000	440.880	-2.00	4.268	440.478	-150.00
-4.119	440.927	-150.00	-4.000	441.105	-2.00	801+0.000	441.185	440.828	0.357	4.000	441.105	-2.00	4.241	440.743	-150.00
-4.128	441.168	-150.00	-4.000	441.360	-2.00	802+0.000	441.440	441.069	0.371	4.000	441.360	-2.00	4.258	440.974	-150.00
-4.126	441.263	-150.00	-4.000	441.452	-2.00	803+0.000	441.532	441.162	0.370	4.000	441.452	-2.00	4.262	441.058	-150.00
-4.143	441.224	-150.00	-4.000	441.438	-2.00	804+0.000	441.518	441.123	0.395	4.000	441.438	-2.00	4.280	441.018	-150.00
-4.125	440.827	-150.00	-4.000	441.014	-2.00	805+0.000	441.094	440.796	0.298	4.000	441.014	-2.00	4.175	440.752	-150.00
-4.109	440.324	-150.00	-4.000	440.487	-2.00	806+0.000	440.567	440.271	0.297	4.000	440.487	-2.00	4.181	440.216	-150.00
-4.156	439.827	-150.00	-4.000	440.061	-2.00	807+0.000	440.141	439.765	0.375	4.000	440.061	-2.00	4.239	439.703	-150.00
-4.235	439.382	-150.00	-4.000	439.734	-2.00	808+0.000	439.814	439.387	0.427	4.000	439.734	-2.00	4.228	439.392	-150.00
-4.168	439.255	-150.00	-4.000	439.507	-2.00	809+0.000	439.587	439.240	0.347	4.000	439.507	-2.00	4.187	439.226	-150.00
-4.180	439.109	-150.00	-4.000	439.380	-2.00	810+0.000	439.460	439.121	0.339	4.000	439.380	-2.00	4.175	439.118	-150.00
-4.273	438.926	-150.00	-4.000	439.336	-2.00	811+0.000	439.416	439.007	0.409	4.000	439.336	-2.00	4.215	439.013	-150.00
-4.320	438.765	-150.00	-4.000	439.245	-2.00	812+0.000	439.325	438.846	0.479	4.000	439.245	-2.00	4.235	438.892	-150.00
-4.302	438.626	-150.00	-4.000	439.078	-2.00	813+0.000	439.158	438.684	0.474	4.000	439.078	-2.00	4.225	438.741	-150.00
-4.261	438.445	-150.00	-4.000	438.837	-2.00	814+0.000	438.917	438.501	0.416	4.000	438.837	-2.00	4.186	438.557	-150.00
-4.148	438.297	-150.00	-4.000	438.520	-2.00	815+0.000	438.600	438.331	0.269	4.000	438.520	-2.00	4.127	438.329	-150.00
-4.101	437.976	-150.00	-4.000	438.127	-2.00	816+0.000	438.207	437.981	0.226	4.000	438.127	-2.00	4.099	437.979	-150.00
-4.072	437.551	-150.00	-4.000	437.659	-2.00	817+0.000	437.739	437.562	0.178	4.000	437.659	-2.00	4.058	437.572	-150.00
-4.047	437.046	-150.00	-4.000	437.116	-2.00	818+0.000	437.196	437.020	0.177	4.000	437.116	-2.00	4.089	436.982	-150.00
-4.098	436.351	-150.00	-4.000	436.498	-2.00	819+0.000	436.578	436.327	0.251	4.000	436.498	-2.00	4.130	436.303	-150.00
-4.101	435.653	-150.00	-4.000	435.804	-2.00	820+0.000	435.884	435.611	0.273	4.000	435.804	-2.00	4.164	435.558	-150.00
-4.153	434.805	-150.00	-4.000	435.035	-2.00	821+0.000	435.115	434.744	0.371	4.000	435.035	-2.00	4.226	434.696	-150.00
-4.159	433.987	-150.00	-4.000	434.225	-2.00	822+0.000	434.305	433.893	0.412	4.000	434.225	-2.00	4.267	433.825	-150.00
-4.274	433.410	-150.00	-4.000	433.821	-2.00	823+0.000	433.901	433.366	0.535	4.000	433.821	-2.00	4.334	433.320	-150.00
-4.347	432.989	-150.00	-4.000	433.511	-2.00	824+0.000	433.591	432.911	0.680	4.000	433.511	-2.00	4.442	432.847	-150.00
-4.330	432.706	-150.00	-4.000	433.200	-2.00	825+0.000	433.280	432.610	0.670	4.000	433.200	-2.00	4.459	432.511	-150.00
-4.345	432.353	-150.00	-4.000	432.871	-2.00	826+0.000	432.951	432.259	0.692	4.000	432.871	-2.00	4.473	432.162	-150.00
-4.257	431.990	-150.00	-4.000	432.375	-2.00	827+0.000	432.455	431.898	0.557	4.000	432.375	-2.00	4.397	431.779	-150.00
-4.174	431.420	-150.00	-4.000	431.681	-2.00	828+0.000	431.761	431.300	0.461	4.000	431.681	-2.00	4.339	431.172	-150.00
-4.134	430.587	-150.00	-4.000	430.789	-2.00	829+0.000	430.869	430.467	0.402	4.000	430.789	-2.00	4.298	430.341	-150.00
-4.051	429.654	-150.00	-4.000	429.730	-2.00	830+0.000	429.810	429.516	0.294	4.000	429.730	-2.00	4.229	429.387	-150.00
-4.086	428.524	-150.00	-4.000	428.653	-2.00	831+0.000	428.733	428.379	0.354	4.000	428.653	-2.00	4.273	428.243	-150.00
-4.157	427.339	-150.00	-4.000	427.575	-2.00	832+0.000	427.655	427.215	0.440	4.000	427.575	-2.00	4.309	427.111	-150.00
-4.234	426.147	-150.00	-4.000	426.498	-2.00	833+0.000	426.578	426.048	0.529	4.000	426.498	-2.00	4.367	425.947	-150.00
-4.312	424.952	-150.00	-4.000	425.420	-2.00	834+0.000	425.500	424.867	0.634	4.000	425.420	-2.00	4.428	424.779	-150.00
-4.333	423.844	-150.00	-4.000	424.344	-2.00	835+0.000	424.424	423.897	0.526	4.000	424.344	-2.00	4.262	423.950	-150.00
-4.208	423.106	-150.00	-4.000	423.418	-2.00	836+0.000	423.498	423.168	0.331	4.000	423.418	-2.00	4.127	423.228	-150.00
-4.282	422.334	-150.00	-4.000	422.758	-2.00	837+0.000	422.838	422.431	0.406	4.000	422.758	-2.00	4.116	422.584	-150.00
-4.252	421.984	-150.00	-4.000	422.362	-2.00	838+0.000	422.442	422.100	0.341	4.000	422.362	-2.00	4.100	422.212	-150.00
-4.274	421.819	-150.00	-4.000	422.230	-2.00	839+0.000	422.310	421.936	0.375	4.000	422.230	-2.00	4.121	422.048	-150.00
-4.296	421.920	-150.00	-4.000	422.363	-2.00	840+0.000	422.443	422.043	0.401	4.000	422.363	-2.00	4.131	422.167	-150.00
-4.255	422.326	-150.00	-4.000	422.709	-2.00	841+0.000	422.789	422.441	0.348	4.000	422.709	-2.00	4.096	422.564	-150.00
-4.222	422.812	-150.00	-4.000	423.146	-2.00	842+0.000	423.226	422.902	0.324	4.000	423.146	-2.00	4.076	423.032	-150.00
-4.251	423.406	-150.00	-4.000	423.782	-2.00	843+0.000	423.862	423.495	0.367	4.000	423.782	-2.00	4.119	423.604	-150.00
-4.225	423.917	-150.00	-4.000	424.255	-2.00	844+0.000	424.335	424.037	0.297	4.000	424.255	-2.00	4.092	424.117	-150.00
-4.247	424.182	-150.00	-4.000	424.552	-2.00	845+0.000	424.632	424.246	0.386	4.000	424.552	-2.00	4.162	424.308	-150.00
-4.182	424.403	-150.00	-4.000	424.676	-2.00	846+0.000	424.756	424.455	0.301	4.000	424.676	-2.00	4.113	424.506	-150.00
-4.131	424.548	-150.00	-4.000	424.744	-2.00	847+0.000	424.824	424.539	0.286	4.000	424.744	-2.00	4.144	424.529	-150.00
-4.204	424.507	-150.00	-4.000	424.813	-2.00	848+0.000	424.893	424.509	0.383	4.000	424.813	-2.00	4.201	424.512	-150.00
-4.292	424.443	-150.00	-4.000	424.881	-2.00	849+0.000	424.961	424.473	0.488	4.000	424.881	-2.00	4.252	424.503	-150.00
-4.290	424.512	-150.00	-4.000	424.948	-2.00	850+0.000	425.028	424.522	0.506	4.000	424.948	-2.00	4.270	424.543	-150.00
-4.175	424.649	-150.00	-4.000	424.912	-2.00	851+0.000	424.992	424.686	0.305	4.000	424.912	-2.00	4.117	424.736	-150.00
-4.059	424.900	-150.00	-4.000	424.988	-2.00	852+0.000	425.068	425.013	0.055	4.000	424.988	-2.00	4.111	425.062	66.67
-4.168	424.813	-150.00	-4.000	425.065	-2.00	853+0.000	425.145	424.947	0.198	4.000	425.065	-2.00	4.015	425.075	66.67
-4.283	424.715	-150.00	-4.000	425.140	-2.00	854+0.000	425.220	424.855	0.365	4.000	425.140	-2.00	4.103	424.985	-150.00
-4.323	424.371	-150.00	-4.000	424.856	-2.00	855+0.000	424.936	424.561	0.374	4.000	424.856	-2.00	4.076	424.741	-150.00
-4.287	424.043	-150.00	-4.000	424.474	-2.00	856+0.000	424.554	424.236	0.317	4.000	424.474	-2.00	4.037	424.419	-150.00
-4.299	423.644	-150.00	-4.000	424.092	-2.00	857+0.000	424.172	423.857	0.314	4.000	424.092	-2.00	4.023	424.057	-150.00
-4.328	423.217	-150.00	-4.000	423.709	-2.00	858+0.000	423.789	423.425	0.365	4.000	423.709	-2.00	4.060	423.619	-150.00
-4.296	422.957	-150.00	-4.000	423.401	-2.00	859+0.000	423.481	423.107	0.374	4.000	423.401	-2.00	4.100	423.250	-150.00
-4.245	423.087	-150.00	-4.000	423.454	-2.00	860+0.000	423.534	423.186	0.348	4.000	423.454	-2.00	4.115	423.282	-150.00
-4.212	423.433	-150.00	-4.000	423.751	-2.00	861+0.000	423.831	423.513	0.318	4.000	423.751	-2.00	4.107	423.590	-150.00
-4.200	423.868	-150.00	-4.000	424.167	-2.00	862+0.000	424.247	423.918	0.329	4.000	424.167	-2.00	4.136	423.963	-150.00
-4.220	424.055	-150.00	-4.000	424.385	-2.00	863+0.000	424.465	424.143	0.322	4.000	424.385	-2.00	4.104	424.228	-150.00
-4.286	424.116	-150.00	-4.000	424.545	-2.00	864+0.000	424.625	424.205	0.420	4.000	424.545	-2.00	4.217	424.219	-150.00
-4.278	423.821	-150.00	-4.000	424.239	-2.00	865+0.000	424.319	423.842	0.477	4.000	424.239	-2.00	4.254	423.858	-150.00
-4.265	423.308	-150.00	-4.000	423.705	-2.00	866+0.000	423.785	423.326	0.459	4.000	423.705	-2.00	4.240	423.345	-150.00
-4.255	422.790	-150.00	-4.000	423.172	-2.00	867+0.000	423.252	422.822	0.430	4.000	423.172	-2.00	4.213	422.853	-150.00
-4.252	422.260	-150.00	-4.000	422.639	-2.00	868+0.000	422.719	422.290	0.428	4.000	422.639	-2.00	4.213	422.320	-150.00
-4.233	421.756	-150.00	-4.000	422.106	-2.00	869+0.000	422.186	421.771	0.415	4.000	422.106	-2.00	4.199	421.807	-150.00
-4.211	421.311	-150.00	-4.000	421.628	-2.00	870+0.000	421.708	421.323	0.385	4.000	421.628	-2.00	4.192	421.340	-150.00
-4.178	420.977	-150.00	-4.000	421.245	-2.00	871+0.000	421.325	420.949	0.376	4.000	421.245	-2.00	4.217	420.920	-150.00
-4.190	420.806	-150.00	-4.000	421.091	-2.00	872+0.000	421.171	420.794	0.377	4.000	421.091	-2.00	4.206	420.782	-150.00

Osvaldo Leoncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades

-4.211	420.567	-150.00	-4.000	420.883	-2.00	873+0.000	420.963	420.574	0.388	4.000	420.883	-2.00	4.200	420.582	-150.00
-4.257	420.187	-150.00	-4.000	420.572	-2.00	874+0.000	420.652	420.234	0.418	4.000	420.572	-2.00	4.206	420.264	-150.00
-4.297	419.739	-150.00	-4.000	420.184	-2.00	875+0.000	420.264	419.780	0.484	4.000	420.184	-2.00	4.243	419.820	-150.00
-4.269	419.090	-150.00	-4.000	419.493	-2.00	876+0.000	419.573	419.196	0.377	4.000	419.493	-2.00	4.129	419.299	-150.00
-4.355	417.952	-150.00	-4.000	418.485	-2.00	877+0.000	418.565	418.028	0.537	4.000	418.485	-2.00	4.252	418.107	-150.00
-4.350	416.671	-150.00	-4.000	417.196	-2.00	878+0.000	417.276	416.788	0.487	4.000	417.196	-2.00	4.196	416.902	-150.00
-4.372	415.303	-150.00	-4.000	415.861	-2.00	879+0.000	415.941	415.438	0.504	4.000	415.861	-2.00	4.196	415.567	-150.00
-4.304	414.166	-150.00	-4.000	414.622	-2.00	880+0.000	414.702	414.306	0.396	4.000	414.622	-2.00	4.132	414.424	-150.00
-4.410	413.112	-150.00	-4.000	413.727	-2.00	881+0.000	413.807	413.296	0.511	4.000	413.727	-2.00	4.192	413.438	-150.00
-4.234	412.837	-150.00	-4.000	413.188	-2.00	882+0.000	413.268	412.937	0.330	4.000	413.188	-2.00	4.131	412.992	-150.00
-4.227	412.664	-150.00	-4.000	413.005	-2.00	883+0.000	413.085	412.764	0.321	4.000	413.005	-2.00	4.126	412.816	-150.00
-4.212	412.855	-150.00	-4.000	413.173	-2.00	884+0.000	413.253	412.888	0.365	4.000	413.173	-2.00	4.164	412.927	-150.00
-4.198	413.162	-150.00	-4.000	413.459	-2.00	885+0.000	413.539	413.197	0.342	4.000	413.459	-2.00	4.148	413.237	-150.00
-4.176	413.481	-150.00	-4.000	413.745	-2.00	886+0.000	413.825	413.492	0.333	4.000	413.745	-2.00	4.137	413.539	-150.00
-4.177	413.766	-150.00	-4.000	414.031	-2.00	887+0.000	414.111	413.771	0.340	4.000	414.031	-2.00	4.145	413.814	-150.00
-4.276	413.799	-150.00	-4.000	414.213	-2.00	888+0.000	414.293	413.881	0.412	4.000	414.213	-2.00	4.157	413.977	-150.00
-4.262	413.555	-150.00	-4.000	413.948	-2.00	889+0.000	414.028	413.636	0.393	4.000	413.948	-2.00	4.148	413.726	-150.00
-4.278	413.264	-150.00	-4.000	413.681	-2.00	890+0.000	413.761	413.378	0.383	4.000	413.681	-2.00	4.107	413.520	-150.00
-4.299	413.141	-150.00	-4.000	413.590	-2.00	891+0.000	413.670	413.307	0.364	4.000	413.590	-2.00	4.099	413.442	-150.00
-4.263	413.150	-150.00	-4.000	413.545	-2.00	892+0.000	413.625	413.279	0.346	4.000	413.545	-2.00	4.073	413.436	-150.00
-4.210	413.742	-150.00	-4.000	414.058	-2.00	893+0.000	414.138	413.852	0.286	4.000	414.058	-2.00	4.066	413.958	-150.00
-4.222	414.429	-150.00	-4.000	414.762	-2.00	894+0.000	414.842	414.575	0.267	4.000	414.762	-2.00	4.032	414.714	-150.00
-4.207	415.533	-150.00	-4.000	415.843	-2.00	895+0.000	415.923	415.643	0.281	4.000	415.843	-2.00	4.047	415.772	-150.00
-4.136	416.720	-150.00	-4.000	416.924	-2.00	896+0.000	417.004	416.745	0.259	4.000	416.924	-2.00	4.091	416.788	-150.00
-4.148	417.784	-150.00	-4.000	418.005	-2.00	897+0.000	418.085	417.819	0.267	4.000	418.005	-2.00	4.101	417.854	-150.00
-4.185	418.641	-150.00	-4.000	418.919	-2.00	898+0.000	418.999	418.647	0.352	4.000	418.919	-2.00	4.161	418.678	-150.00
-4.206	419.406	-150.00	-4.000	419.714	-2.00	899+0.000	419.794	419.465	0.329	4.000	419.714	-2.00	4.123	419.530	-150.00
-4.222	419.825	-150.00	-4.000	420.158	-2.00	900+0.000	420.238	419.900	0.338	4.000	420.158	-2.00	4.137	419.952	-150.00
-4.213	420.121	-150.00	-4.000	420.441	-2.00	901+0.000	420.521	420.179	0.342	4.000	420.441	-2.00	4.137	420.236	-150.00
-4.192	420.329	-150.00	-4.000	420.618	-2.00	902+0.000	420.698	420.382	0.316	4.000	420.618	-2.00	4.123	420.434	-150.00
-4.168	420.543	-150.00	-4.000	420.795	-2.00	903+0.000	420.875	420.560	0.315	4.000	420.795	-2.00	4.145	420.578	-150.00
-4.147	420.885	-150.00	-4.000	421.106	-2.00	904+0.000	421.186	420.864	0.322	4.000	421.106	-2.00	4.175	420.843	-150.00
-4.158	421.277	-150.00	-4.000	421.514	-2.00	905+0.000	421.594	421.254	0.340	4.000	421.514	-2.00	4.188	421.232	-150.00
-4.144	421.705	-150.00	-4.000	421.921	-2.00	906+0.000	422.001	421.662	0.339	4.000	421.921	-2.00	4.202	421.618	-150.00
-4.117	422.014	-150.00	-4.000	422.189	-2.00	907+0.000	422.269	421.945	0.324	4.000	422.189	-2.00	4.209	421.875	-150.00
-4.113	422.293	-150.00	-4.000	422.462	-2.00	908+0.000	422.542	422.217	0.325	4.000	422.462	-2.00	4.216	422.139	-150.00
-4.119	422.637	-150.00	-4.000	422.815	-2.00	909+0.000	422.895	422.568	0.327	4.000	422.815	-2.00	4.206	422.505	-150.00
-4.134	423.090	-150.00	-4.000	423.292	-2.00	910+0.000	423.372	423.054	0.317	4.000	423.292	-2.00	4.186	423.012	-150.00
-4.151	423.505	-150.00	-4.000	423.731	-2.00	911+0.000	423.811	423.471	0.340	4.000	423.731	-2.00	4.197	423.436	-150.00
-4.185	423.742	-150.00	-4.000	424.020	-2.00	912+0.000	424.100	423.728	0.371	4.000	424.020	-2.00	4.203	423.714	-150.00
-4.195	423.785	-150.00	-4.000	424.077	-2.00	913+0.000	424.157	423.803	0.354	4.000	424.077	-2.00	4.171	423.820	-150.00
-4.247	423.448	-150.00	-4.000	423.819	-2.00	914+0.000	423.899	423.464	0.435	4.000	423.819	-2.00	4.226	423.480	-150.00
-4.263	423.045	-150.00	-4.000	423.440	-2.00	915+0.000	423.520	423.100	0.420	4.000	423.440	-2.00	4.190	423.154	-150.00
-4.264	422.497	-150.00	-4.000	422.894	-2.00	916+0.000	422.974	422.556	0.418	4.000	422.894	-2.00	4.178	422.627	-150.00
-4.261	421.777	-150.00	-4.000	422.168	-2.00	917+0.000	422.248	421.816	0.432	4.000	422.168	-2.00	4.195	421.876	-150.00
-4.207	421.023	-150.00	-4.000	421.333	-2.00	918+0.000	421.413	420.992	0.421	4.000	421.333	-2.00	4.190	421.048	-150.00
-4.175	420.128	-150.00	-4.000	420.390	-2.00	919+0.000	420.470	420.095	0.375	4.000	420.390	-2.00	4.216	420.066	-150.00
-4.130	419.383	-150.00	-4.000	419.578	-2.00	920+0.000	419.658	419.320	0.338	4.000	419.578	-2.00	4.215	419.256	-150.00
-4.191	418.631	-150.00	-4.000	418.917	-2.00	921+0.000	418.997	418.578	0.419	4.000	418.917	-2.00	4.261	418.525	-150.00
-4.169	418.086	-150.00	-4.000	418.340	-2.00	922+0.000	418.420	418.026	0.393	4.000	418.340	-2.00	4.249	417.966	-150.00
-4.103	417.608	-150.00	-4.000	417.763	-2.00	923+0.000	417.843	417.555	0.288	4.000	417.763	-2.00	4.179	417.495	-150.00
-4.030	417.142	-150.00	-4.000	417.186	-2.00	924+0.000	417.266	417.069	0.197	4.000	417.186	-2.00	4.128	416.994	-150.00
-4.046	416.640	66.67				925+0.000	416.690	416.569	0.121	4.000	416.610	-2.00	4.075	416.497	-150.00
-4.071	415.926	-150.00	-4.000	416.033	-2.00	926+0.000	416.113	415.792	0.321	4.000	416.033	-2.00	4.221	415.702	-150.00
-4.155	415.199	-150.00	-4.000	415.431	-2.00	927+0.000	415.511	415.063	0.447	4.000	415.431	-2.00	4.339	414.922	-150.00
-4.175	413.946	-150.00	-4.000	414.209	-2.00	928+0.000	414.289	413.809	0.480	4.000	414.209	-2.00	4.353	413.679	-150.00
-4.164	412.700	-150.00	-4.000	412.946	-2.00	929+0.000	413.026	412.608	0.418	4.000	412.946	-2.00	4.288	412.513	-150.00
-4.175	411.420	-150.00	-4.000	411.682	-2.00	930+0.000	411.762	411.374	0.388	4.000	411.682	-2.00	4.236	411.328	-150.00
-4.192	410.130	-150.00	-4.000	410.419	-2.00	931+0.000	410.499	410.085	0.414	4.000	410.419	-2.00	4.254	410.038	-150.00
-4.197	408.863	-150.00	-4.000	409.159	-2.00	932+0.000	409.239	408.777	0.462	4.000	409.159	-2.00	4.300	408.709	-150.00
-4.169	407.733	-150.00	-4.000	407.987	-2.00	933+0.000	408.067	407.643	0.423	4.000	407.987	-2.00	4.290	407.551	-150.00
-4.164	406.902	-150.00	-4.000	407.147	-2.00	934+0.000	407.227	406.811	0.416	4.000	407.147	-2.00	4.287	406.717	-150.00
-4.112	406.299	-150.00	-4.000	406.466	-2.00	935+0.000	406.546	406.191	0.356	4.000	406.466	-2.00	4.259	406.079	-150.00
-4.082	406.177	-150.00	-4.000	406.299	-2.00	936+0.000	406.379	406.021	0.358	4.000	406.299	-2.00	4.252	405.921	-150.00
-4.020	406.618	66.67				937+0.000	406.684	406.389	0.295	4.000	406.604	-2.00	4.195	406.312	-150.00
-4.075	407.286	66.67				938+0.000	407.316	407.024	0.292	4.000	407.236	-2.00	4.260	406.846	-150.00
-4.019	408.065	66.67				939+0.000	408.133	407.820	0.312	4.000	408.053	-2.00	4.331	407.556	-150.00
			-4.000	408.658	-2.00	940+0.000	408.738	408.395	0.343	4.000	408.658	-2.00	4.363	408.114	-150.00
-4.018	409.062	-150.00	-4.000	409.089	-2.00	941+0.000	409.169	408.766	0.404	4.000	409.089	-2.00	4.433	408.439	-150.00
-4.093	408.581	-150.00	-4.000	408.720	-2.00	942+0.000	408.800	408.348	0.452	4.000	408.720	-2.00	4.416	408.096	-150.00
-4.075	408.090	-150.00	-4.000	408.203	-2.00	943+0.000	408.283	407.833	0.449	4.000	408.203	-2.00	4.432	407.555	-150.00
-4.105	407.343	-150.00	-4.000	407.501	-2.00	944+0.000	407.581	407.155	0.426	4.000	407.501	-2.00	4.362	406.957	-150.00
-4.135	406.483	-150.00	-4.000	406.686	-2.00	945+0.000	406.766	406.344	0.422	4.000	406.686	-2.00	4.371	406.129	-150.00
-4.192	405.548	-150.00	-4.000	405.836	-2.00	946+0.000	405.916	405.458	0.458	4.000	405.836	-2.00	4.306	405.377	-150.00
-4.185	404.708	-150.00	-4.000	404.986	-2.00	947+0.000	405.066	404.634	0.432	4.000	404.986	-2.00	4.285	404.558	-150.00
-4.191	403.901	-150.00	-4.000	404.187	-2.00	948+0.000	404.267	403.836	0.430	4.000	404.187	-2.00	4.234	403.836	-150.00
-4.172	403.216	-150.00	-4.000	403.473	-2.00	949+0.000	403.553	403.205	0.348	4.000	403.473	-2.00	4.186	403.195	-150.00
-4.216	402.440	-150.00	-4.000	402.764	-2.00	950+0.000	402.844	402.426	0.417	4.000	402.764	-2.00	4.202	402.460	-150.00
-4.263	401.758	-150.00	-4.000	402.152	-2.00	951+0.000	402.232	401.839	0.393	4.000	402.152	-2.00	4.158	401.916	-150.00
-4.273	401.206	-150.00	-4.000	401.617	-2.00	952+0.000	401.697	401.288	0.408	4.000	401.617	-2.00	4.162	401.373	-150.00

Osvaldo Leôncio da Silva Jr.
Diretor da Unidade de Projetos
Projetos e Obras - DNPRC
Secretaria de Infraestrutura

-4.301	400.831	-150.00	-4.000	401.281	-2.00	953+0.000	401.361	400.982	0.379	4.000	401.281	-2.00	4.103	401.127	-150.00
-4.293	400.670	-150.00	-4.000	401.110	-2.00	954+0.000	401.190	400.842	0.347	4.000	401.110	-2.00	4.069	401.006	-150.00
-4.295	400.702	-150.00	-4.000	401.145	-2.00	955+0.000	401.225	400.874	0.350	4.000	401.145	-2.00	4.017	401.119	-150.00
-4.337	400.922	-150.00	-4.000	401.428	-2.00	956+0.000	401.508	401.202	0.306	4.000	401.428	-2.00	4.060	401.468	66.67
-4.340	401.308	-150.00	-4.000	401.818	-2.00	957+0.000	401.898	401.592	0.306	4.000	401.818	-2.00	4.062	401.859	66.67
-4.354	401.677	-150.00	-4.000	402.207	-2.00	958+0.000	402.287	401.966	0.321	4.000	402.207	-2.00	4.056	402.244	66.67
-4.383	401.991	-150.00	-4.000	402.566	-2.00	959+0.000	402.646	402.310	0.336	4.000	402.566	-2.00	4.037	402.591	66.67
-4.397	402.227	-150.00	-4.000	402.822	-2.00	960+0.000	402.902	402.558	0.345	4.000	402.822	-2.00	4.060	402.863	66.67
-4.394	402.356	-150.00	-4.000	402.947	-2.00	961+0.000	403.027	402.663	0.364	4.000	402.947	-2.00			
-4.391	402.362	-150.00	-4.000	402.948	-2.00	962+0.000	403.028	402.669	0.360	4.000	402.948	-2.00	4.013	402.930	-150.00
-4.351	402.195	-150.00	-4.000	402.722	-2.00	963+0.000	402.802	402.429	0.373	4.000	402.722	-2.00	4.053	402.643	-150.00
-4.327	401.890	-150.00	-4.000	402.382	-2.00	964+0.000	402.462	402.119	0.343	4.000	402.382	-2.00	4.039	402.324	-150.00
-4.359	401.501	-150.00	-4.000	402.040	-2.00	965+0.000	402.120	401.729	0.391	4.000	402.040	-2.00	4.071	401.934	-150.00
-4.367	401.058	-150.00	-4.000	401.609	-2.00	966+0.000	401.689	401.284	0.405	4.000	401.609	-2.00	4.076	401.494	-150.00
-4.338	400.535	-150.00	-4.000	401.041	-2.00	967+0.000	401.121	400.758	0.363	4.000	401.041	-2.00	4.053	400.962	-150.00
-4.297	399.997	-150.00	-4.000	400.443	-2.00	968+0.000	400.523	400.184	0.339	4.000	400.443	-2.00	4.047	400.373	-150.00
-4.282	399.421	-150.00	-4.000	399.844	-2.00	969+0.000	399.924	399.596	0.328	4.000	399.844	-2.00	4.055	399.762	-150.00
-4.289	398.811	-150.00	-4.000	399.245	-2.00	970+0.000	399.325	398.980	0.345	4.000	399.245	-2.00	4.070	399.140	-150.00
-4.305	398.190	-150.00	-4.000	398.647	-2.00	971+0.000	398.727	398.342	0.384	4.000	398.647	-2.00	4.116	398.472	-150.00
-4.260	397.669	-150.00	-4.000	398.060	-2.00	972+0.000	398.140	397.738	0.402	4.000	398.060	-2.00	4.170	397.804	-150.00
-4.268	397.119	-150.00	-4.000	397.521	-2.00	973+0.000	397.601	397.210	0.392	4.000	397.521	-2.00	4.149	397.298	-150.00
-4.264	396.756	-150.00	-4.000	397.152	-2.00	974+0.000	397.232	396.849	0.383	4.000	397.152	-2.00	4.154	396.920	-150.00
-4.136	396.650	-150.00	-4.000	396.854	-2.00	975+0.000	396.934	396.573	0.361	4.000	396.854	-2.00	4.153	396.625	-150.00
-4.114	396.760	-150.00	-4.000	396.931	-2.00	976+0.000	397.011	396.683	0.328	4.000	396.931	-2.00	4.218	396.604	-150.00
-4.094	397.373	-150.00	-4.000	397.514	-2.00	977+0.000	397.594	397.353	0.241	4.000	397.514	-2.00	4.151	397.287	-150.00
-4.095	398.158	-150.00	-4.000	398.301	-2.00	978+0.000	398.381	398.120	0.262	4.000	398.301	-2.00	4.147	398.081	-150.00
-4.048	399.326	-150.00	-4.000	399.397	-2.00	979+0.000	399.477	399.214	0.264	4.000	399.397	-2.00	4.146	399.179	-150.00
-4.029	400.700	-150.00	-4.000	400.744	-2.00	980+0.000	400.824	400.609	0.216	4.000	400.744	-2.00	4.154	400.514	-150.00
-4.082	402.163	-150.00	-4.000	402.286	-2.00	981+0.000	402.366	402.092	0.274	4.000	402.286	-2.00	4.178	402.020	-150.00
-4.104	403.672	-150.00	-4.000	403.828	-2.00	982+0.000	403.908	403.628	0.280	4.000	403.828	-2.00	4.163	403.584	-150.00
-4.018	405.382	66.67				983+0.000	405.450	405.265	0.186	4.000	405.370	-2.00	4.149	405.146	-150.00
-4.038	406.855	-150.00	-4.000	406.912	-2.00	984+0.000	406.992	406.759	0.233	4.000	406.912	-2.00	4.153	406.683	-150.00
-4.037	408.292	-150.00	-4.000	408.348	-2.00	985+0.000	408.428	408.134	0.293	4.000	408.348	-2.00	4.252	407.969	-150.00
-4.026	409.195	-150.00	-4.000	409.234	-2.00	986+0.000	409.314	409.034	0.280	4.000	409.234	-2.00	4.247	408.864	-150.00
-4.017	410.002	-150.00	-4.000	410.027	-2.00	987+0.000	410.107	409.770	0.337	4.000	410.027	-2.00	4.338	409.520	-150.00
-4.029	410.416	-150.00	-4.000	410.460	-2.00	988+0.000	410.540	410.208	0.332	4.000	410.460	-2.00	4.334	409.959	-150.00
-4.034	410.660	-150.00	-4.000	410.711	-2.00	989+0.000	410.791	410.433	0.358	4.000	410.711	-2.00	4.334	410.210	-150.00
-4.043	410.766	-150.00	-4.000	410.830	-2.00	990+0.000	410.910	410.540	0.370	4.000	410.830	-2.00	4.323	410.345	-150.00
-4.171	410.679	-150.00	-4.000	410.936	-2.00	991+0.000	411.016	410.535	0.480	4.000	410.936	-2.00	4.361	410.395	-150.00
-4.362	410.480	-150.00	-4.000	411.023	-2.00	992+0.000	411.103	410.339	0.764	4.000	411.023	-2.00	4.554	410.192	-150.00
-4.423	410.475	-150.00	-4.000	411.110	-2.00	993+0.000	411.190	410.451	0.740	4.000	411.110	-2.00	4.474	410.399	-150.00
-4.351	410.670	-150.00	-4.000	411.197	-2.00	994+0.000	411.277	410.658	0.619	4.000	411.197	-2.00	4.368	410.646	-150.00
-4.250	410.910	-150.00	-4.000	411.285	-2.00	995+0.000	411.365	410.913	0.451	4.000	411.285	-2.00	4.245	410.917	-150.00
-4.233	411.019	-150.00	-4.000	411.368	-2.00	996+0.000	411.448	411.094	0.354	4.000	411.368	-2.00	4.134	411.167	-150.00
-4.237	411.031	-150.00	-4.000	411.387	-2.00	997+0.000	411.467	411.101	0.366	4.000	411.387	-2.00	4.146	411.168	-150.00
-4.275	410.977	-150.00	-4.000	411.390	-2.00	998+0.000	411.470	411.098	0.372	4.000	411.390	-2.00	4.133	411.191	-150.00
-4.312	410.716	-150.00	-4.000	411.185	-2.00	999+0.000	411.265	410.877	0.387	4.000	411.185	-2.00	4.103	411.030	-150.00
-4.306	410.478	-150.00	-4.000	410.937	-2.00	1000+0.000	411.017	410.638	0.378	4.000	410.937	-2.00	4.097	410.791	-150.00
-4.322	410.266	-150.00	-4.000	410.749	-2.00	1001+0.000	410.829	410.455	0.374	4.000	410.749	-2.00	4.077	410.633	-150.00
-4.340	410.061	-150.00	-4.000	410.571	-2.00	1002+0.000	410.651	410.250	0.401	4.000	410.571	-2.00	4.091	410.435	-150.00
-4.323	409.909	-150.00	-4.000	410.393	-2.00	1003+0.000	410.473	410.103	0.370	4.000	410.393	-2.00	4.069	410.290	-150.00
-4.281	409.889	-150.00	-4.000	410.311	-2.00	1004+0.000	410.391	410.051	0.340	4.000	410.311	-2.00	4.069	410.208	-150.00
-4.240	409.895	-150.00	-4.000	410.255	-2.00	1005+0.000	410.335	410.058	0.277	4.000	410.255	-2.00	4.034	410.205	-150.00
-4.224	409.864	-150.00	-4.000	410.200	-2.00	1006+0.000	410.280	410.056	0.224	4.000	410.200	-2.00	4.013	410.181	-150.00
-4.202	409.841	-150.00	-4.000	410.144	-2.00	1007+0.000	410.224	409.996	0.228	4.000	410.144	-2.00	4.015	410.121	-150.00
-4.191	409.802	-150.00	-4.000	410.088	-2.00	1008+0.000	410.168	409.930	0.238	4.000	410.088	-2.00	4.023	410.053	-150.00
-4.214	409.711	-150.00	-4.000	410.032	-2.00	1009+0.000	410.112	409.844	0.268	4.000	410.032	-2.00	4.040	409.972	-150.00
-4.234	409.626	-150.00	-4.000	409.977	-2.00	1010+0.000	410.057	409.751	0.306	4.000	409.977	-2.00	4.071	409.871	-150.00
-4.270	409.516	-150.00	-4.000	409.921	-2.00	1011+0.000	410.001	409.641	0.360	4.000	409.921	-2.00	4.105	409.763	-150.00
-4.252	409.487	-150.00	-4.000	409.865	-2.00	1012+0.000	409.945	409.609	0.336	4.000	409.865	-2.00	4.134	409.663	-150.00
-4.231	409.463	-150.00	-4.000	409.809	-2.00	1013+0.000	409.889	409.521	0.369	4.000	409.809	-2.00	4.155	409.577	-150.00
-4.270	409.113	-150.00	-4.000	409.518	-2.00	1014+0.000	409.598	409.166	0.432	4.000	409.518	-2.00	4.192	409.230	-150.00
-4.267	408.754	-150.00	-4.000	409.154	-2.00	1015+0.000	409.234	408.828	0.406	4.000	409.154	-2.00	4.169	408.901	-150.00
-4.243	408.406	-150.00	-4.000	408.770	-2.00	1016+0.000	408.850	408.450	0.399	4.000	408.770	-2.00	4.184	408.494	-150.00
-4.060	407.917	-150.00	-4.000	408.007	-2.00	1017+0.000	408.087	407.965	0.122	4.000	408.007	-2.00	4.008	408.012	66.67
-4.050	407.696	66.67				1017+9.000	407.742	407.742	0.000	4.000	407.662	-2.00	4.193	407.791	66.67

Osvaldo Leôncio da [illegible] Filho
Diretor da Unidade de Pr[illegible]as
Projetos e Obras - DUA[illegible]O
Secretaria das Cidades (S[illegible]ade)

SECRETARIA
DAS **CIDADES** - SECID

GOVERNO DO
PIAUÍ
AQUI TEM TRABALHO.
AQUI TEM **FUTURO.**

TRECHO 3: PI-144 AO POVOADO LAJE DE PEDRA

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
0+0,00	0,330	0,000	0,000	0,000	0,000	0,000	0,000
1+0,00	0,000	2,880	3,300	28,820	3,300	28,820	-25,520
2+0,00	0,000	2,980	0,000	58,590	3,300	87,410	-84,110
3+0,00	0,000	2,600	0,000	55,710	3,300	143,120	-139,820
4+0,00	0,000	2,310	0,000	49,020	3,300	192,130	-188,830
5+0,00	0,000	2,300	0,000	45,990	3,300	238,120	-234,820
6+0,00	0,000	2,260	0,000	45,450	3,300	283,570	-280,270
7+0,00	0,000	2,400	0,000	46,510	3,300	330,080	-326,780
8+0,00	0,000	2,600	0,000	49,960	3,300	380,030	-376,730
9+0,00	0,000	2,840	0,000	54,400	3,300	434,430	-431,130
10+0,00	0,000	2,480	0,000	53,270	3,300	487,700	-484,400
11+0,00	0,000	2,500	0,000	49,840	3,300	537,540	-534,240
12+0,00	0,000	2,310	0,000	48,050	3,300	585,600	-582,300
13+0,00	0,000	2,240	0,000	45,450	3,300	631,050	-627,750
14+0,00	0,000	1,670	0,000	39,070	3,300	670,120	-666,820
15+0,00	0,000	0,000	0,000	16,690	3,300	686,800	-683,500
16+0,00	0,000	2,030	0,000	20,320	3,300	707,120	-703,820
17+0,00	0,000	1,710	0,000	37,440	3,300	744,560	-741,260
18+0,00	0,820	0,000	8,200	17,120	11,500	761,680	-750,180
19+0,00	0,000	1,810	8,200	18,060	19,700	779,740	-760,040
20+0,00	0,000	2,660	0,000	44,660	19,700	824,400	-804,700
21+0,00	0,000	3,690	0,000	63,530	19,700	887,920	-868,220
22+0,00	0,000	5,160	0,000	88,560	19,700	976,480	-956,780
23+0,00	0,000	5,390	0,000	105,510	19,700	1081,990	-1062,290
24+0,00	0,000	3,870	0,000	92,570	19,700	1174,570	-1154,870
25+0,00	0,000	2,720	0,000	65,900	19,700	1240,470	-1220,770
26+0,00	0,000	2,300	0,000	50,250	19,700	1290,720	-1271,020
27+0,00	0,000	2,460	0,000	47,650	19,700	1338,370	-1318,670
28+0,00	0,000	2,880	0,000	53,470	19,700	1391,840	-1372,140
29+0,00	0,000	2,710	0,000	55,980	19,700	1447,820	-1428,120
30+0,00	0,000	2,810	0,000	55,240	19,700	1503,060	-1483,360
31+0,00	0,000	2,750	0,000	55,620	19,700	1558,680	-1538,980
32+0,00	0,000	2,660	0,000	54,060	19,700	1612,740	-1593,040
33+0,00	0,000	2,200	0,000	48,550	19,700	1661,300	-1641,600
34+0,00	0,000	2,330	0,000	45,280	19,700	1706,570	-1686,870
35+0,00	0,000	2,710	0,000	50,320	19,700	1756,900	-1737,200
36+0,00	0,000	2,860	0,000	55,700	19,700	1812,600	-1792,900
37+0,00	0,000	2,990	0,000	58,400	19,700	1871,000	-1851,300
38+0,00	0,000	2,970	0,000	59,520	19,700	1930,520	-1910,820
39+0,00	0,000	3,250	0,000	62,130	19,700	1992,650	-1972,950
40+0,00	0,000	3,620	0,000	68,650	19,700	2061,300	-2041,600
41+0,00	0,000	3,370	0,000	69,910	19,700	2131,210	-2111,510
42+0,00	0,000	3,180	0,000	65,460	19,700	2196,670	-2176,970
43+0,00	0,000	2,970	0,000	61,410	19,700	2258,080	-2238,380
44+0,00	0,000	2,830	0,000	57,930	19,700	2316,010	-2296,310
45+0,00	0,000	2,870	0,000	56,940	19,700	2372,950	-2353,250
46+0,00	0,000	3,180	0,000	60,480	19,700	2433,440	-2413,740
47+0,00	0,000	3,380	0,000	65,610	19,700	2499,050	-2479,350
48+0,00	0,000	3,770	0,000	71,510	19,700	2570,560	-2550,860
49+0,00	0,000	3,580	0,000	73,560	19,700	2644,130	-2624,430
50+0,00	0,000	2,900	0,000	64,810	19,700	2708,930	-2689,230
51+0,00	0,000	2,580	0,000	54,760	19,700	2763,690	-2743,990
52+0,00	0,000	2,600	0,000	51,740	19,700	2815,430	-2795,730
53+0,00	0,000	2,300	0,000	48,930	19,700	2864,370	-2844,670
54+0,00	0,000	2,340	0,000	46,410	19,700	2910,780	-2891,080

Osvaldo Leôncio da Silva
Diretor da Unidade de Projetos
Projetos e Obras - Digital
Secretaria das Cidades

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
55+0,00	0,000	2,230	0,000	45,740	19,700	2956,520	-2936,820
56+0,00	0,000	1,860	0,000	40,890	19,700	2997,410	-2977,710
57+0,00	0,000	1,930	0,020	37,900	19,720	3035,310	-3015,590
58+0,00	0,000	1,860	0,060	37,720	19,780	3073,030	-3053,250
59+0,00	0,030	2,030	0,330	38,760	20,110	3111,790	-3091,680
60+0,00	0,030	2,230	0,530	42,620	20,640	3154,410	-3133,770
61+0,00	0,020	2,510	0,410	47,360	21,060	3201,770	-3180,710
62+0,00	0,000	2,340	0,160	48,510	21,210	3250,280	-3229,070
63+0,00	0,000	2,670	0,000	50,100	21,210	3300,380	-3279,170
64+0,00	0,000	2,540	0,000	52,040	21,210	3352,420	-3331,210
65+0,00	0,000	2,620	0,000	51,540	21,210	3403,960	-3382,750
66+0,00	0,000	3,030	0,000	56,480	21,210	3460,440	-3439,230
67+0,00	0,000	2,660	0,000	56,880	21,210	3517,320	-3496,110
68+0,00	0,000	2,480	0,000	51,330	21,210	3568,650	-3547,440
69+0,00	0,000	2,490	0,000	49,640	21,210	3618,290	-3597,080
70+0,00	0,000	2,810	0,000	53,010	21,210	3671,300	-3650,090
71+0,00	0,000	2,970	0,000	57,860	21,210	3729,160	-3707,950
72+0,00	0,000	2,540	0,000	55,150	21,210	3784,320	-3763,110
73+0,00	0,000	2,380	0,000	49,200	21,210	3833,510	-3812,300
74+0,00	0,000	2,260	0,000	46,430	21,210	3879,940	-3858,730
75+0,00	0,000	2,230	0,000	44,980	21,210	3924,930	-3903,720
76+0,00	0,000	2,200	0,000	44,300	21,210	3969,230	-3948,020
77+0,00	0,000	2,040	0,000	42,460	21,220	4011,690	-3990,470
78+0,00	0,000	2,200	0,000	42,360	21,220	4054,050	-4032,830
79+0,00	0,000	0,000	0,000	21,990	21,220	4076,030	-4054,810
80+0,00	0,000	2,060	0,000	20,610	21,220	4096,640	-4075,420
81+0,00	0,000	2,000	0,000	40,530	21,220	4137,170	-4115,950
82+0,00	0,000	1,990	0,000	39,920	21,220	4177,090	-4155,870
83+0,00	0,000	2,210	0,000	42,060	21,220	4219,150	-4197,930
84+0,00	0,000	2,570	0,000	47,830	21,220	4266,980	-4245,760
85+0,00	0,000	2,640	0,000	52,010	21,220	4318,990	-4297,770
86+0,00	0,000	2,230	0,000	48,710	21,220	4367,700	-4346,480
87+0,00	0,000	2,110	0,000	43,480	21,220	4411,180	-4389,960
88+0,00	0,000	2,130	0,000	42,450	21,220	4453,630	-4432,410
89+0,00	0,000	2,280	0,000	44,070	21,220	4497,700	-4476,480
90+0,00	0,000	2,340	0,000	46,200	21,220	4543,900	-4522,680
91+0,00	0,000	2,530	0,000	48,690	21,220	4592,590	-4571,370
92+0,00	0,000	3,000	0,000	55,160	21,220	4647,750	-4626,530
93+0,00	0,000	3,720	0,000	67,070	21,220	4714,820	-4693,600
94+0,00	0,000	4,290	0,000	80,050	21,220	4794,870	-4773,650
95+0,00	0,000	3,900	0,000	81,890	21,220	4876,760	-4855,540
96+0,00	0,000	3,630	0,000	75,270	21,220	4952,030	-4930,810
97+0,00	0,000	2,670	0,000	62,970	21,220	5015,000	-4993,780
98+0,00	0,000	2,370	0,000	50,370	21,220	5065,370	-5044,150
99+0,00	0,000	2,260	0,000	46,320	21,220	5111,690	-5090,470
100+0,00	0,000	2,870	0,000	51,380	21,220	5163,070	-5141,850
101+0,00	0,000	3,170	0,000	60,450	21,220	5223,510	-5202,290
102+0,00	0,000	2,870	0,000	60,420	21,220	5283,930	-5262,710
103+0,00	0,000	2,790	0,000	56,650	21,220	5340,580	-5319,360
104+0,00	0,000	2,930	0,000	57,260	21,220	5397,840	-5376,620
105+0,00	0,000	2,980	0,000	59,070	21,220	5456,910	-5435,690
106+0,00	0,000	3,290	0,000	62,620	21,220	5519,520	-5498,300
107+0,00	0,000	2,670	0,000	59,580	21,220	5579,100	-5557,880
108+0,00	0,000	2,410	0,000	50,840	21,220	5629,940	-5608,720
109+0,00	0,000	2,010	0,000	44,200	21,220	5674,140	-5652,920
110+0,00	0,000	2,130	0,000	41,370	21,220	5715,510	-5694,290
111+0,00	0,000	3,250	0,000	53,810	21,220	5769,320	-5748,100
112+0,00	0,000	2,970	0,000	62,190	21,220	5831,510	-5810,290
113+0,00	0,000	0,000	0,000	29,670	21,220	5861,180	-5839,960
114+0,00	0,000	2,010	0,000	20,060	21,220	5881,240	-5860,020
115+0,00	0,000	1,630	0,000	36,370	21,220	5917,600	-5896,380
116+0,00	0,000	1,960	0,000	35,900	21,220	5953,500	-5932,280
117+0,00	0,000	1,880	0,000	38,410	21,220	5991,910	-5970,690
118+0,00	0,000	0,000	0,000	18,810	21,220	6010,720	-5989,500
119+0,00	0,000	0,000	0,000	0,000	21,220	6010,720	-5989,500

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria de Cidades (Secid)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
120+0,00	0,000	1,950	0,000	19,490	21,220	6030,210	-6008,990
121+0,00	0,000	1,840	0,000	37,860	21,220	6068,070	-6046,850
122+0,00	0,000	1,660	0,000	35,000	21,220	6103,070	-6081,850
123+0,00	0,000	1,250	0,000	29,110	21,220	6132,180	-6110,960
124+0,00	0,000	1,820	0,000	30,720	21,220	6162,900	-6141,680
125+0,00	0,000	2,220	0,000	40,400	21,220	6203,300	-6182,080
126+0,00	0,000	2,080	0,000	42,950	21,220	6246,250	-6225,030
127+0,00	0,000	1,750	0,000	38,280	21,220	6284,520	-6263,300
128+0,00	0,000	1,490	0,000	32,440	21,220	6316,960	-6295,740
129+0,00	0,000	1,330	0,000	28,240	21,220	6345,200	-6323,980
130+0,00	0,000	1,540	0,000	28,650	21,220	6373,850	-6352,630
131+0,00	0,000	2,170	0,000	37,070	21,220	6410,920	-6389,700
132+0,00	0,000	2,440	0,000	46,130	21,220	6457,050	-6435,830
133+0,00	0,000	2,460	0,000	49,040	21,220	6506,090	-6484,870
134+0,00	0,000	2,580	0,000	50,520	21,220	6556,610	-6535,390
135+0,00	0,000	2,720	0,000	53,120	21,220	6609,730	-6588,510
136+0,00	0,000	3,300	0,000	60,170	21,220	6669,900	-6648,680
137+0,00	0,000	3,260	0,000	65,520	21,220	6735,420	-6714,200
138+0,00	0,000	2,720	0,000	59,770	21,220	6795,190	-6773,970
139+0,00	0,000	2,730	0,000	54,490	21,220	6849,680	-6828,460
140+0,00	0,000	2,810	0,000	55,390	21,220	6905,070	-6883,850
141+0,00	0,000	3,090	0,000	58,960	21,220	6964,030	-6942,810
142+0,00	0,000	2,690	0,000	57,810	21,220	7021,840	-7000,620
143+0,00	0,000	2,930	0,000	56,260	21,220	7078,100	-7056,880
144+0,00	0,000	3,130	0,000	60,600	21,220	7138,710	-7117,490
145+0,00	0,000	3,800	0,000	69,270	21,220	7207,970	-7186,750
146+0,00	0,000	3,480	0,000	72,770	21,220	7280,750	-7259,530
147+0,00	0,000	3,460	0,000	69,360	21,220	7350,110	-7328,890
148+0,00	0,000	2,550	0,000	60,090	21,220	7410,190	-7388,970
149+0,00	0,000	2,030	0,000	45,780	21,220	7455,970	-7434,750
150+0,00	0,000	2,880	0,000	49,020	21,220	7505,000	-7483,780
151+0,00	0,000	2,730	0,000	56,080	21,220	7561,080	-7539,860
152+0,00	0,000	3,040	0,000	57,750	21,220	7618,830	-7597,610
153+0,00	0,000	2,960	0,000	60,070	21,220	7678,900	-7657,680
154+0,00	0,000	2,970	0,000	59,370	21,220	7738,280	-7717,060
155+0,00	0,000	2,980	0,000	59,540	21,220	7797,820	-7776,600
156+0,00	0,000	2,850	0,000	58,340	21,220	7856,160	-7834,940
157+0,00	0,000	2,540	0,000	53,920	21,220	7910,090	-7888,870
158+0,00	0,000	2,810	0,000	53,510	21,220	7963,590	-7942,370
159+0,00	0,000	2,500	0,000	53,070	21,220	8016,670	-7995,450
160+0,00	0,000	2,440	0,000	49,320	21,220	8065,990	-8044,770
161+0,00	0,000	2,540	0,000	49,740	21,220	8115,730	-8094,510
162+0,00	0,000	3,060	0,000	56,000	21,220	8171,720	-8150,500
163+0,00	0,000	2,550	0,000	56,080	21,220	8227,800	-8206,580
164+0,00	0,000	1,790	0,000	43,360	21,220	8271,160	-8249,940
165+0,00	0,000	1,860	0,000	36,490	21,220	8307,640	-8286,420
166+0,00	0,000	2,160	0,000	40,210	21,220	8347,860	-8326,640
167+0,00	0,000	2,030	0,000	41,920	21,220	8389,780	-8368,560
168+0,00	0,000	1,000	0,000	30,290	21,220	8420,070	-8398,850
169+0,00	0,000	0,460	0,020	14,650	21,230	8434,720	-8413,490
170+0,00	0,000	1,210	0,020	16,720	21,250	8451,440	-8430,190
171+0,00	0,000	0,950	0,000	21,540	21,250	8472,980	-8451,730
172+0,00	0,000	2,460	0,000	34,090	21,250	8507,070	-8485,820
173+0,00	0,000	1,660	0,000	41,180	21,250	8548,250	-8527,000
174+0,00	0,000	2,640	0,000	42,930	21,250	8591,180	-8569,930
175+0,00	0,000	2,400	0,000	50,410	21,250	8641,590	-8620,340
176+0,00	0,000	2,630	0,000	50,320	21,250	8691,920	-8670,670
177+0,00	0,000	2,290	0,000	49,190	21,250	8741,110	-8719,860
178+0,00	0,000	1,900	0,000	41,920	21,250	8783,030	-8761,780
179+0,00	0,000	2,270	0,000	41,720	21,250	8824,750	-8803,500
180+0,00	0,000	1,970	0,000	42,390	21,250	8867,140	-8845,890
181+0,00	0,000	1,680	0,000	36,450	21,250	8903,600	-8882,350
182+0,00	0,000	2,150	0,000	38,270	21,250	8941,860	-8920,610
183+0,00	0,000	2,540	0,000	46,900	21,250	8988,770	-8967,520
184+0,00	0,000	2,500	0,000	50,380	21,250	9039,150	-9017,900

Osvaldo Leonardo da Silva
Diretor de Unidade de Programas
Projetos e Obras - SUERO
Secretaria

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
185+0,00	0,000	2,740	0,000	52,340	21,250	9091,490	-9070,240
186+0,00	0,000	2,780	0,000	55,120	21,250	9146,610	-9125,360
187+0,00	0,000	2,720	0,000	54,990	21,250	9201,590	-9180,340
188+0,00	0,000	2,330	0,000	50,530	21,250	9252,130	-9230,880
189+0,00	0,000	2,590	0,000	49,250	21,250	9301,370	-9280,120
190+0,00	0,000	2,580	0,000	51,770	21,250	9353,150	-9331,900
191+0,00	0,000	2,590	0,000	51,770	21,250	9404,920	-9383,670
192+0,00	0,000	2,510	0,000	51,020	21,250	9455,940	-9434,690
193+0,00	0,000	2,190	0,000	46,950	21,250	9502,880	-9481,630
194+0,00	0,000	1,990	0,000	41,750	21,250	9544,640	-9523,390
195+0,00	0,000	2,640	0,000	46,350	21,250	9590,980	-9569,730
196+0,00	0,000	3,270	0,000	59,170	21,250	9650,150	-9628,900
197+0,00	0,000	3,580	0,000	68,530	21,250	9718,680	-9697,430
198+0,00	0,000	3,430	0,000	70,110	21,250	9788,790	-9767,540
199+0,00	0,000	2,900	0,000	63,300	21,250	9852,090	-9830,840
200+0,00	0,000	2,650	0,000	55,480	21,250	9907,570	-9886,320
201+0,00	0,000	2,460	0,000	51,060	21,250	9958,630	-9937,380
202+0,00	0,000	2,470	0,000	49,280	21,250	10007,910	-9986,660
203+0,00	0,000	2,380	0,000	48,460	21,250	10056,360	-10035,110
204+0,00	0,000	2,400	0,000	47,770	21,250	10104,140	-10082,890
205+0,00	0,000	2,320	0,000	47,250	21,250	10151,390	-10130,140
206+0,00	0,000	2,320	0,000	46,460	21,250	10197,850	-10176,600
207+0,00	0,000	2,440	0,000	47,610	21,250	10245,460	-10224,210
208+0,00	0,000	2,080	0,000	45,230	21,250	10290,700	-10269,450
209+0,00	0,000	2,030	0,000	41,100	21,250	10331,790	-10310,540
210+0,00	0,000	2,270	0,000	42,920	21,250	10374,710	-10353,460
211+0,00	0,000	2,330	0,000	45,950	21,250	10420,670	-10399,420
212+0,00	0,000	1,080	0,000	34,110	21,250	10454,780	-10433,530
213+0,00	0,000	1,310	0,000	23,970	21,250	10478,750	-10457,500
214+0,00	0,000	2,350	0,000	36,680	21,250	10515,430	-10494,180
215+0,00	0,000	2,750	0,000	51,000	21,250	10566,430	-10545,180
216+0,00	0,000	2,700	0,000	54,500	21,250	10620,940	-10599,690
217+0,00	0,000	2,640	0,000	53,450	21,250	10674,390	-10653,140
218+0,00	0,000	2,590	0,000	52,330	21,250	10726,720	-10705,470
219+0,00	0,000	2,480	0,000	50,740	21,250	10777,460	-10756,210
220+0,00	0,000	2,740	0,000	52,230	21,250	10829,690	-10808,440
221+0,00	0,000	2,600	0,000	53,450	21,250	10883,140	-10861,890
222+0,00	0,000	2,520	0,000	51,190	21,250	10934,340	-10913,090
223+0,00	0,000	2,510	0,000	50,200	21,250	10984,540	-10963,290
224+0,00	0,000	2,570	0,000	50,740	21,250	11035,280	-11014,030
225+0,00	0,000	2,490	0,000	50,590	21,250	11085,870	-11064,620
226+0,00	0,000	2,200	0,000	46,900	21,250	11132,760	-11111,510
227+0,00	0,000	1,940	0,000	41,390	21,250	11174,150	-11152,900
228+0,00	0,000	2,090	0,000	40,340	21,250	11214,490	-11193,240
229+0,00	0,000	1,680	0,000	37,720	21,250	11252,200	-11230,950
230+0,00	0,000	2,240	0,000	39,210	21,250	11291,410	-11270,160
231+0,00	0,000	2,810	0,000	50,540	21,250	11341,950	-11320,700
232+0,00	0,000	2,670	0,000	54,830	21,250	11396,780	-11375,530
233+0,00	0,000	2,830	0,000	54,980	21,250	11451,760	-11430,510
234+0,00	0,000	3,400	0,000	62,220	21,250	11513,980	-11492,730
235+0,00	0,000	2,970	0,000	63,640	21,250	11577,610	-11556,360
236+0,00	0,000	3,020	0,000	59,920	21,250	11637,530	-11616,280
237+0,00	0,000	3,140	0,000	61,610	21,250	11699,140	-11677,890
238+0,00	0,000	2,850	0,000	59,890	21,250	11759,030	-11737,780
239+0,00	0,000	2,620	0,000	54,680	21,250	11813,710	-11792,460
240+0,00	0,000	2,560	0,000	51,730	21,250	11865,440	-11844,190
241+0,00	0,000	2,400	0,000	49,540	21,250	11914,980	-11893,730
242+0,00	0,000	2,540	0,000	49,400	21,250	11964,380	-11943,130
243+0,00	0,000	2,760	0,000	53,000	21,250	12017,380	-11996,130
244+0,00	0,000	2,780	0,000	55,370	21,250	12072,750	-12051,500
245+0,00	0,000	3,040	0,000	58,200	21,250	12130,950	-12109,700
246+0,00	0,000	3,130	0,000	61,690	21,250	12192,650	-12171,400
247+0,00	0,000	2,860	0,000	59,960	21,250	12252,600	-12231,350
248+0,00	0,000	2,730	0,000	55,920	21,250	12308,520	-12287,270
249+0,00	0,000	2,550	0,000	52,760	21,250	12361,280	-12340,030

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
250+0,00	0,000	2,840	0,000	53,850	21,250	12415,140	-12393,890
251+0,00	0,000	2,810	0,000	56,490	21,250	12471,630	-12450,380
252+0,00	0,000	2,230	0,000	50,460	21,250	12522,090	-12500,840
253+0,00	0,000	2,470	0,000	47,030	21,250	12569,120	-12547,870
254+0,00	0,000	2,750	0,000	52,240	21,250	12621,360	-12600,110
255+0,00	0,000	2,680	0,000	54,290	21,250	12675,640	-12654,390
256+0,00	0,000	2,740	0,000	54,130	21,250	12729,770	-12708,520
257+0,00	0,000	3,060	0,000	57,980	21,250	12787,760	-12766,510
258+0,00	0,000	2,890	0,000	59,550	21,250	12847,310	-12826,060
259+0,00	0,000	2,770	0,000	56,600	21,250	12903,910	-12882,660
260+0,00	0,000	2,850	0,000	56,190	21,250	12960,090	-12938,840
261+0,00	0,000	3,810	0,000	66,620	21,250	13026,710	-13005,460
262+0,00	0,000	2,840	0,000	66,470	21,250	13093,180	-13071,930
263+0,00	0,000	2,900	0,000	57,400	21,250	13150,580	-13129,330
264+0,00	0,000	3,540	0,000	64,440	21,250	13215,020	-13193,770
265+0,00	0,000	3,170	0,000	67,090	21,250	13282,110	-13260,860
266+0,00	0,000	3,470	0,000	66,340	21,250	13348,450	-13327,200
267+0,00	0,000	3,320	0,000	67,810	21,250	13416,250	-13395,000
268+0,00	0,000	2,930	0,000	62,490	21,250	13478,740	-13457,490
269+0,00	0,000	3,200	0,000	61,290	21,250	13540,040	-13518,790
270+0,00	0,000	2,820	0,000	60,140	21,250	13600,170	-13578,920
271+0,00	0,000	2,540	0,000	53,600	21,250	13653,780	-13632,530
272+0,00	0,000	2,080	0,000	46,170	21,250	13699,950	-13678,700
273+0,00	0,000	2,680	0,000	47,510	21,250	13747,460	-13726,210
274+0,00	0,000	2,680	0,000	53,560	21,250	13801,010	-13779,760
275+0,00	0,000	2,640	0,000	53,220	21,250	13854,230	-13832,980
276+0,00	0,000	2,750	0,000	53,840	21,250	13908,070	-13886,820
277+0,00	0,000	2,710	0,000	54,550	21,250	13962,620	-13941,370
278+0,00	0,000	2,680	0,000	53,860	21,250	14016,490	-13995,240
279+0,00	0,000	2,810	0,000	54,830	21,250	14071,310	-14050,060
280+0,00	0,000	2,700	0,000	55,150	21,250	14126,470	-14105,220
281+0,00	0,000	2,710	0,000	54,160	21,250	14180,630	-14159,380
282+0,00	0,000	2,600	0,000	53,100	21,250	14233,720	-14212,470
283+0,00	0,000	2,580	0,000	51,780	21,250	14285,500	-14264,250
284+0,00	0,000	2,860	0,000	54,380	21,250	14339,880	-14318,630
285+0,00	0,000	2,980	0,000	58,400	21,250	14398,280	-14377,030
286+0,00	0,000	2,350	0,000	53,270	21,250	14451,550	-14430,300
287+0,00	0,000	2,330	0,000	46,740	21,250	14498,290	-14477,040
288+0,00	0,000	2,410	0,000	47,350	21,250	14545,640	-14524,390
289+0,00	0,000	2,600	0,000	50,090	21,250	14595,730	-14574,480
290+0,00	0,000	2,720	0,000	53,220	21,250	14648,940	-14627,690
291+0,00	0,000	2,480	0,000	51,990	21,250	14700,930	-14679,680
292+0,00	0,000	2,580	0,000	50,520	21,250	14751,450	-14730,200
293+0,00	0,000	2,560	0,000	51,310	21,250	14802,760	-14781,510
294+0,00	0,000	2,530	0,000	50,870	21,250	14853,640	-14832,390
295+0,00	0,000	2,540	0,000	50,730	21,250	14904,370	-14883,120
296+0,00	0,000	2,610	0,000	51,500	21,250	14955,870	-14934,620
297+0,00	0,000	2,560	0,000	51,730	21,250	15007,590	-14986,340
298+0,00	0,000	2,550	0,000	51,200	21,250	15058,790	-15037,540
299+0,00	0,000	2,470	0,000	50,250	21,250	15109,040	-15087,790
300+0,00	0,000	2,590	0,000	50,570	21,250	15159,610	-15138,360
301+0,00	0,000	2,620	0,000	52,090	21,250	15211,700	-15190,450
302+0,00	0,000	2,760	0,000	53,870	21,250	15265,580	-15244,330
303+0,00	0,000	2,640	0,000	54,050	21,250	15319,630	-15298,380
304+0,00	0,000	2,730	0,000	53,750	21,250	15373,370	-15352,120
305+0,00	0,000	2,770	0,000	55,020	21,250	15428,390	-15407,140
306+0,00	0,000	2,420	0,000	51,890	21,250	15480,290	-15459,040
307+0,00	0,000	2,620	0,000	50,410	21,250	15530,690	-15509,440
308+0,00	0,000	2,800	0,000	54,180	21,250	15584,870	-15563,620
309+0,00	0,000	2,820	0,000	56,170	21,250	15641,040	-15619,790
310+0,00	0,000	2,800	0,000	56,220	21,250	15697,260	-15676,010
311+0,00	0,000	2,730	0,000	55,320	21,250	15752,580	-15731,330
312+0,00	0,000	2,590	0,000	53,200	21,250	15805,780	-15784,530
313+0,00	0,000	2,430	0,000	50,200	21,250	15855,980	-15834,730
314+0,00	0,000	2,490	0,000	49,180	21,250	15905,160	-15883,910

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades (SCidades)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
315+0,00	0,000	2,120	0,000	46,180	21,250	15951,340	-15930,090
316+0,00	0,000	2,270	0,000	43,890	21,250	15995,230	-15973,980
317+0,00	0,000	2,540	0,000	47,960	21,250	16043,190	-16021,940
318+0,00	0,000	2,430	0,000	49,590	21,250	16092,780	-16071,530
319+0,00	0,000	2,540	0,000	49,620	21,250	16142,400	-16121,150
320+0,00	0,000	2,350	0,000	48,820	21,250	16191,220	-16169,970
321+0,00	0,000	2,380	0,000	47,310	21,250	16238,530	-16217,280
322+0,00	0,000	2,650	0,000	50,330	21,250	16288,860	-16267,610
323+0,00	0,000	2,460	0,000	51,120	21,250	16339,990	-16318,740
324+0,00	0,000	2,480	0,000	49,470	21,250	16389,460	-16368,210
325+0,00	0,000	2,450	0,000	49,320	21,250	16438,780	-16417,530
326+0,00	0,000	2,770	0,000	52,250	21,250	16491,030	-16469,780
327+0,00	0,000	2,510	0,000	52,770	21,250	16543,810	-16522,560
328+0,00	0,000	2,680	0,000	51,860	21,250	16595,660	-16574,410
329+0,00	0,000	2,480	0,000	51,630	21,250	16647,290	-16626,040
330+0,00	0,000	2,550	0,000	50,300	21,250	16697,590	-16676,340
331+0,00	0,000	1,720	0,000	42,630	21,250	16740,220	-16718,970
332+0,00	0,000	1,890	0,000	36,010	21,250	16776,220	-16754,970
333+0,00	0,000	2,210	0,000	41,010	21,250	16817,230	-16795,980
334+0,00	0,000	2,600	0,000	48,200	21,250	16865,430	-16844,180
335+0,00	0,000	2,680	0,000	52,880	21,250	16918,310	-16897,060
336+0,00	0,000	2,870	0,000	55,550	21,250	16973,860	-16952,610
337+0,00	0,000	2,830	0,000	57,010	21,250	17030,870	-17009,620
338+0,00	0,000	2,740	0,000	55,610	21,250	17086,480	-17065,230
339+0,00	0,000	2,670	0,000	54,070	21,250	17140,550	-17119,300
340+0,00	0,000	2,900	0,000	55,640	21,250	17196,190	-17174,940
341+0,00	0,000	3,170	0,000	60,700	21,250	17256,890	-17235,640
342+0,00	0,000	2,870	0,000	60,440	21,250	17317,330	-17296,080
343+0,00	0,000	4,260	0,000	71,340	21,250	17388,670	-17367,420
344+0,00	0,000	2,400	0,000	66,590	21,250	17455,260	-17434,010
345+0,00	0,000	2,100	0,000	44,980	21,250	17500,240	-17478,990
346+0,00	0,000	2,730	0,000	48,360	21,250	17548,600	-17527,350
347+0,00	0,000	2,800	0,000	55,340	21,250	17603,940	-17582,690
348+0,00	0,000	2,520	0,000	53,250	21,250	17657,180	-17635,930
349+0,00	0,000	1,800	0,000	43,290	21,250	17700,480	-17679,230
350+0,00	0,000	1,580	0,000	33,820	21,250	17734,290	-17713,040
351+0,00	0,000	1,790	0,000	33,660	21,250	17767,950	-17746,700
352+0,00	0,000	1,630	0,000	34,230	21,250	17802,180	-17780,930
353+0,00	0,000	2,740	0,000	43,700	21,250	17845,880	-17824,630
354+0,00	0,000	3,000	0,000	57,360	21,250	17903,240	-17881,990
355+0,00	0,000	3,850	0,000	68,430	21,250	17971,670	-17950,420
356+0,00	0,000	3,050	0,000	68,850	21,250	18040,520	-18019,270
357+0,00	0,000	2,440	0,000	54,700	21,250	18095,220	-18073,970
358+0,00	0,000	3,020	0,000	54,480	21,250	18149,710	-18128,460
359+0,00	0,000	3,000	0,000	60,210	21,250	18209,920	-18188,670
360+0,00	0,000	1,840	0,000	48,470	21,250	18258,390	-18237,140
361+0,00	0,000	1,520	0,000	33,700	21,250	18292,090	-18270,840
362+0,00	0,000	2,420	0,000	39,510	21,250	18331,600	-18310,350
363+0,00	0,000	2,400	0,000	48,260	21,250	18379,860	-18358,610
364+0,00	0,020	1,860	0,180	42,600	21,430	18422,460	-18401,030
365+0,00	0,000	2,180	0,180	40,380	21,600	18462,840	-18441,240
366+0,00	0,000	2,130	0,000	43,080	21,600	18505,920	-18484,320
367+0,00	0,000	2,320	0,000	44,480	21,600	18550,400	-18528,800
368+0,00	0,010	1,870	0,140	41,860	21,740	18592,260	-18570,520
369+0,00	0,000	1,880	0,160	37,420	21,900	18629,680	-18607,780
370+0,00	0,000	1,570	0,030	34,510	21,930	18664,190	-18642,260
371+0,00	0,000	1,870	0,010	34,480	21,940	18698,660	-18676,720
372+0,00	0,000	1,690	0,020	35,580	21,960	18734,240	-18712,280
373+0,00	0,000	1,860	0,020	35,480	21,980	18769,730	-18747,750
374+0,00	0,000	2,170	0,000	40,370	21,990	18810,090	-18788,100
375+0,00	0,000	2,130	0,000	43,010	21,990	18853,100	-18831,110
376+0,00	0,000	2,640	0,000	47,710	21,990	18900,820	-18878,830
377+0,00	0,000	2,330	0,000	49,720	21,990	18950,530	-18928,540
378+0,00	0,000	2,100	0,000	44,260	21,990	18994,790	-18972,800
379+0,00	0,000	1,890	0,000	39,850	21,990	19034,640	-19012,650

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria de [illegible]

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
380+0,00	0,000	1,800	0,000	36,900	21,990	19071,530	-19049,540
381+0,00	0,040	1,380	0,430	31,850	22,420	19103,380	-19080,960
382+0,00	0,020	1,510	0,660	28,960	23,080	19132,340	-19109,260
383+0,00	0,320	0,750	3,410	22,680	26,490	19155,020	-19128,530
384+0,00	0,000	2,090	3,200	28,450	29,690	19183,470	-19153,780
385+0,00	0,000	2,120	0,020	42,090	29,710	19225,560	-19195,850
386+0,00	0,000	2,330	0,000	44,510	29,710	19270,070	-19240,360
387+0,00	0,000	2,340	0,000	46,770	29,710	19316,840	-19287,130
388+0,00	0,000	2,740	0,000	50,810	29,710	19367,650	-19337,940
389+0,00	0,000	2,620	0,000	53,550	29,710	19421,200	-19391,490
390+0,00	0,000	3,350	0,000	59,680	29,710	19480,880	-19451,170
391+0,00	0,000	2,390	0,000	57,390	29,710	19538,270	-19508,560
392+0,00	0,000	2,690	0,000	50,830	29,710	19589,100	-19559,390
393+0,00	0,000	2,470	0,000	51,640	29,710	19640,740	-19611,030
394+0,00	0,000	2,630	0,000	50,960	29,710	19691,700	-19661,990
395+0,00	0,000	2,210	0,000	48,310	29,710	19740,010	-19710,300
396+0,00	0,000	2,910	0,000	51,200	29,710	19791,210	-19761,500
397+0,00	0,000	2,730	0,000	56,440	29,710	19847,650	-19817,940
398+0,00	0,000	2,730	0,000	54,630	29,710	19902,280	-19872,570
399+0,00	0,000	2,330	0,000	50,670	29,710	19952,950	-19923,240
400+0,00	0,000	2,620	0,000	49,530	29,710	20002,480	-19972,770
401+0,00	0,000	2,760	0,000	53,780	29,710	20056,270	-20026,560
402+0,00	0,000	2,850	0,000	56,040	29,710	20112,300	-20082,590
403+0,00	0,000	3,040	0,000	58,850	29,710	20171,150	-20141,440
404+0,00	0,000	2,630	0,000	56,660	29,710	20227,810	-20198,100
405+0,00	0,000	2,820	0,000	54,420	29,710	20282,230	-20252,520
406+0,00	0,000	2,840	0,000	56,530	29,710	20338,760	-20309,050
407+0,00	0,000	3,480	0,000	63,160	29,710	20401,930	-20372,220
408+0,00	0,000	2,920	0,000	64,020	29,710	20465,950	-20436,240
409+0,00	0,000	2,800	0,000	57,240	29,710	20523,190	-20493,480
410+0,00	0,000	2,960	0,000	57,620	29,710	20580,800	-20551,090
411+0,00	0,000	3,580	0,000	65,430	29,710	20646,240	-20616,530
412+0,00	0,000	2,980	0,000	65,600	29,710	20711,830	-20682,120
413+0,00	0,000	2,320	0,000	53,010	29,710	20764,840	-20735,130
414+0,00	0,000	2,100	0,000	44,210	29,710	20809,050	-20779,340
415+0,00	0,000	2,860	0,000	49,560	29,710	20858,620	-20828,910
416+0,00	0,000	2,290	0,000	51,510	29,710	20910,130	-20880,420
417+0,00	0,000	2,970	0,000	52,630	29,710	20962,760	-20933,050
418+0,00	0,000	2,730	0,000	57,000	29,710	21019,750	-20990,040
419+0,00	0,000	2,510	0,000	52,410	29,710	21072,170	-21042,460
420+0,00	0,000	2,500	0,000	50,150	29,710	21122,320	-21092,610
421+0,00	0,000	1,250	0,000	37,560	29,710	21159,870	-21130,160
422+0,00	0,000	0,820	0,000	20,690	29,710	21180,570	-21150,860
423+0,00	0,000	1,160	0,000	19,790	29,710	21200,360	-21170,650
424+0,00	0,190	0,330	1,870	14,910	31,590	21215,270	-21183,680
425+0,00	0,000	2,220	1,870	25,510	33,460	21240,790	-21207,330
426+0,00	0,000	2,460	0,000	46,800	33,460	21287,580	-21254,120
427+0,00	0,000	2,910	0,000	53,620	33,460	21341,200	-21307,740
428+0,00	0,000	2,910	0,000	58,120	33,460	21399,320	-21365,860
429+0,00	0,000	3,060	0,000	59,640	33,460	21458,960	-21425,500
430+0,00	0,000	3,070	0,000	61,230	33,460	21520,190	-21486,730
431+0,00	0,000	3,080	0,000	61,440	33,460	21581,620	-21548,160
432+0,00	0,000	3,160	0,000	62,420	33,460	21644,040	-21610,580
433+0,00	0,000	3,390	0,000	65,590	33,460	21709,620	-21676,160
434+0,00	0,000	3,180	0,000	65,700	33,460	21775,320	-21741,860
435+0,00	0,000	3,150	0,000	63,260	33,460	21838,580	-21805,120
436+0,00	0,000	3,160	0,000	63,090	33,460	21901,680	-21868,220
437+0,00	0,000	3,970	0,000	71,270	33,460	21972,950	-21939,490
438+0,00	0,000	3,240	0,000	72,080	33,460	22045,030	-22011,570
439+0,00	0,000	2,700	0,000	59,430	33,460	22104,460	-22071,000
440+0,00	0,000	1,790	0,000	44,920	33,460	22149,380	-22115,920
441+0,00	0,000	2,280	0,000	40,690	33,460	22190,070	-22156,610
442+0,00	0,000	2,880	0,000	51,610	33,460	22241,680	-22208,220
443+0,00	0,000	2,610	0,000	54,950	33,460	22296,630	-22263,170
444+0,00	0,000	2,520	0,000	51,350	33,460	22347,970	-22314,510

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - UPPO
Secretaria das Cidades/Sociedade

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
445+0,00	0,000	2,370	0,000	48,900	33,460	22396,870	-22363,410
446+0,00	0,000	2,150	0,000	45,230	33,460	22442,100	-22408,640
447+0,00	0,000	2,080	0,000	42,290	33,460	22484,400	-22450,940
448+0,00	0,000	1,810	0,000	38,810	33,460	22523,210	-22489,750
449+0,00	0,000	1,830	0,000	36,400	33,460	22559,600	-22526,140
450+0,00	0,000	2,140	0,000	39,760	33,460	22599,360	-22565,900
451+0,00	0,000	2,440	0,000	45,820	33,460	22645,180	-22611,720
452+0,00	0,000	2,590	0,000	50,280	33,460	22695,460	-22662,000
453+0,00	0,000	2,840	0,000	54,220	33,460	22749,680	-22716,220
454+0,00	0,000	2,810	0,000	56,440	33,460	22806,130	-22772,670
455+0,00	0,000	2,920	0,000	57,180	33,460	22863,310	-22829,850
456+0,00	0,000	3,100	0,000	59,880	33,460	22923,190	-22889,730
457+0,00	0,000	3,080	0,000	61,270	33,460	22984,460	-22951,000
458+0,00	0,000	3,240	0,000	63,060	33,460	23047,530	-23014,070
459+0,00	0,000	3,150	0,000	63,950	33,460	23111,480	-23078,020
460+0,00	0,000	3,090	0,000	62,490	33,460	23173,970	-23140,510
461+0,00	0,000	2,980	0,000	60,770	33,460	23234,740	-23201,280
462+0,00	0,000	2,820	0,000	58,060	33,460	23292,800	-23259,340
463+0,00	0,000	2,450	0,000	52,850	33,460	23345,650	-23312,190
464+0,00	0,000	2,810	0,000	52,660	33,460	23398,310	-23364,850
465+0,00	0,000	1,820	0,000	46,270	33,460	23444,580	-23411,120
466+0,00	0,000	2,080	0,000	38,930	33,460	23483,510	-23450,050
467+0,00	0,000	0,000	0,000	20,740	33,460	23504,250	-23470,790
468+0,00	0,000	1,850	0,000	18,480	33,460	23522,730	-23489,270
469+0,00	0,000	2,220	0,000	40,710	33,460	23563,440	-23529,980
470+0,00	0,000	2,120	0,000	43,410	33,460	23606,850	-23573,390
471+0,00	0,000	2,240	0,000	43,580	33,460	23650,430	-23616,970
472+0,00	0,000	2,280	0,000	45,230	33,460	23695,670	-23662,210
473+0,00	0,000	2,430	0,000	47,120	33,460	23742,780	-23709,320
474+0,00	0,000	2,250	0,000	46,770	33,460	23789,550	-23756,090
475+0,00	0,000	2,410	0,000	46,590	33,460	23836,140	-23802,680
476+0,00	0,000	2,810	0,000	52,230	33,460	23888,380	-23854,920
477+0,00	0,000	2,780	0,000	55,910	33,460	23944,280	-23910,820
478+0,00	0,000	2,570	0,000	53,510	33,460	23997,800	-23964,340
479+0,00	0,000	2,890	0,000	54,590	33,460	24052,390	-24018,930
480+0,00	0,000	2,740	0,000	56,270	33,460	24108,660	-24075,200
481+0,00	0,000	2,480	0,000	52,260	33,460	24160,910	-24127,450
482+0,00	0,000	2,630	0,000	51,140	33,460	24212,050	-24178,590
483+0,00	0,000	2,630	0,000	52,600	33,460	24264,650	-24231,190
484+0,00	0,000	2,640	0,000	52,680	33,460	24317,330	-24283,870
485+0,00	0,000	2,620	0,000	52,560	33,460	24369,900	-24336,440
486+0,00	0,000	2,550	0,000	51,720	33,460	24421,620	-24388,160
487+0,00	0,000	2,460	0,000	50,100	33,460	24471,720	-24438,260
488+0,00	0,000	2,370	0,000	48,230	33,460	24519,950	-24486,490
489+0,00	0,000	2,580	0,000	49,430	33,460	24569,380	-24535,920
490+0,00	0,000	2,510	0,000	50,860	33,460	24620,240	-24586,780
491+0,00	0,000	2,610	0,000	51,190	33,460	24671,430	-24637,970
492+0,00	0,000	2,970	0,000	55,810	33,460	24727,240	-24693,780
493+0,00	0,000	2,830	0,000	57,980	33,460	24785,220	-24751,760
494+0,00	0,000	2,690	0,000	55,200	33,460	24840,420	-24806,960
495+0,00	0,000	2,640	0,000	53,350	33,460	24893,770	-24860,310
496+0,00	0,000	2,560	0,000	51,970	33,460	24945,730	-24912,270
497+0,00	0,000	2,210	0,000	47,660	33,460	24993,390	-24959,930
498+0,00	0,000	2,250	0,000	44,610	33,460	25038,010	-25004,550
499+0,00	0,000	0,000	0,000	22,580	33,460	25060,590	-25027,130
500+0,00	0,000	2,220	0,000	22,220	33,460	25082,810	-25049,350
501+0,00	0,000	2,400	0,000	46,290	33,460	25129,090	-25095,630
502+0,00	0,000	2,470	0,000	48,740	33,460	25177,830	-25144,370
503+0,00	0,000	2,340	0,000	48,070	33,460	25225,900	-25192,440
504+0,00	0,000	1,800	0,000	41,490	33,460	25267,390	-25233,930
505+0,00	0,000	2,380	0,000	41,910	33,460	25309,300	-25275,840
506+0,00	0,000	2,410	0,000	47,960	33,460	25357,260	-25323,800
507+0,00	0,000	2,230	0,000	46,390	33,460	25403,650	-25370,190
508+0,00	0,000	1,980	0,000	42,100	33,460	25445,750	-25412,290
509+0,00	0,000	1,860	0,000	38,380	33,460	25484,120	-25450,660

Osvaldo Leôncio da Silv[illegible]
Diretor da Unidade de Projetos
Projetos e Obras - DUPO
Secretaria de [illegible]

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
510+0,00	0,000	1,140	0,000	30,030	33,460	25514,150	-25480,690
511+0,00	0,000	1,120	0,000	22,680	33,460	25536,830	-25503,370
512+0,00	0,000	1,680	0,000	28,050	33,460	25564,880	-25531,420
513+0,00	0,000	1,780	0,000	34,600	33,460	25599,480	-25566,020
514+0,00	0,000	1,540	0,000	33,200	33,460	25632,670	-25599,210
515+0,00	0,000	2,210	0,000	37,500	33,460	25670,170	-25636,710
516+0,00	0,000	2,580	0,000	47,900	33,460	25718,070	-25684,610
517+0,00	0,000	3,110	0,000	56,900	33,460	25774,970	-25741,510
518+0,00	0,000	3,330	0,000	64,360	33,460	25839,330	-25805,870
519+0,00	0,000	3,830	0,000	71,610	33,460	25910,940	-25877,480
520+0,00	0,000	4,100	0,000	79,370	33,460	25990,310	-25956,850
521+0,00	0,000	3,610	0,000	77,150	33,460	26067,460	-26034,000
522+0,00	0,000	3,730	0,000	73,420	33,460	26140,880	-26107,420
523+0,00	0,000	2,110	0,000	58,360	33,460	26199,240	-26165,780
524+0,00	0,000	1,920	0,000	40,210	33,460	26239,450	-26205,990
525+0,00	0,000	1,550	0,000	34,710	33,460	26274,160	-26240,700
526+0,00	0,000	0,830	0,010	23,750	33,470	26297,910	-26264,440
527+0,00	0,000	2,290	0,010	28,960	33,490	26326,870	-26293,380
528+0,00	0,000	3,020	0,000	52,920	33,490	26379,800	-26346,310
529+0,00	0,000	2,250	0,000	52,640	33,490	26432,440	-26398,950
530+0,00	0,000	2,220	0,000	44,740	33,490	26477,170	-26443,680
531+0,00	0,000	2,010	0,000	42,360	33,490	26519,530	-26486,040
532+0,00	0,000	2,040	0,000	40,680	33,490	26560,220	-26526,730
533+0,00	0,010	2,020	0,080	40,850	33,570	26601,060	-26567,490
534+0,00	0,000	2,250	0,080	43,210	33,650	26644,270	-26610,620
535+0,00	0,000	3,030	0,000	53,190	33,650	26697,470	-26663,820
536+0,00	0,000	2,940	0,000	59,880	33,650	26757,340	-26723,690
537+0,00	0,000	2,490	0,000	54,460	33,650	26811,810	-26778,160
538+0,00	0,060	1,560	0,620	40,460	34,260	26852,260	-26818,000
539+0,00	0,040	1,300	0,980	28,610	35,240	26880,870	-26845,630
540+0,00	0,000	1,830	0,360	31,380	35,600	26912,240	-26876,640
541+0,00	0,000	2,250	0,000	40,840	35,600	26953,080	-26917,480
542+0,00	0,000	2,470	0,000	47,150	35,600	27000,230	-26964,630
543+0,00	0,000	2,480	0,000	49,450	35,600	27049,690	-27014,090
544+0,00	0,000	2,700	0,000	51,750	35,600	27101,440	-27065,840
545+0,00	0,000	2,580	0,000	52,780	35,600	27154,220	-27118,620
546+0,00	0,000	2,670	0,000	52,560	35,600	27206,770	-27171,170
547+0,00	0,000	3,850	0,000	65,250	35,600	27272,030	-27236,430
548+0,00	0,000	3,850	0,000	76,980	35,600	27349,010	-27313,410
549+0,00	0,000	3,650	0,000	75,000	35,600	27424,010	-27388,410
550+0,00	0,000	3,140	0,000	67,940	35,600	27491,950	-27456,350
551+0,00	0,000	2,510	0,000	56,520	35,600	27548,470	-27512,870
552+0,00	0,000	2,980	0,000	54,890	35,600	27603,360	-27567,760
553+0,00	0,000	2,630	0,000	56,120	35,600	27659,480	-27623,880
554+0,00	0,000	2,740	0,000	53,730	35,600	27713,200	-27677,600
555+0,00	0,000	2,760	0,000	54,930	35,600	27768,130	-27732,530
556+0,00	0,000	2,810	0,000	55,710	35,600	27823,850	-27788,250
557+0,00	0,000	2,570	0,000	53,630	35,600	27877,480	-27841,880
558+0,00	0,000	2,570	0,000	51,110	35,600	27928,600	-27893,000
559+0,00	0,000	2,310	0,000	48,410	35,600	27977,010	-27941,410
560+0,00	0,000	2,370	0,000	46,700	35,600	28023,710	-27988,110
561+0,00	0,000	2,680	0,000	50,460	35,600	28074,170	-28038,570
562+0,00	0,000	2,510	0,000	51,890	35,600	28126,060	-28090,460
563+0,00	0,000	2,630	0,000	51,420	35,600	28177,480	-28141,880
564+0,00	0,000	2,820	0,000	54,550	35,600	28232,030	-28196,430
565+0,00	0,000	2,790	0,000	56,100	35,600	28288,130	-28252,530
566+0,00	0,000	2,960	0,000	57,480	35,600	28345,610	-28310,010
567+0,00	0,000	2,640	0,000	56,050	35,600	28401,660	-28366,060
568+0,00	0,000	2,340	0,000	49,800	35,600	28451,460	-28415,860
569+0,00	0,000	2,220	0,000	45,590	35,600	28497,050	-28461,450
570+0,00	0,000	1,950	0,000	41,730	35,600	28538,780	-28503,180
571+0,00	0,000	1,550	0,000	35,000	35,600	28573,780	-28538,180
572+0,00	0,000	1,660	0,000	32,100	35,600	28605,880	-28570,280
573+0,00	0,000	1,960	0,000	36,190	35,600	28642,070	-28606,470
574+0,00	0,000	2,030	0,000	39,890	35,600	28681,960	-28646,360

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas,
Projetos e Obras - DUPPO
Secretaria das Cidades (Sedade)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
575+0,00	0,000	2,790	0,000	48,190	35,600	28730,140	-28694,540
576+0,00	0,000	2,770	0,000	55,560	35,600	28785,700	-28750,100
577+0,00	0,000	2,300	0,000	50,670	35,600	28836,370	-28800,770
578+0,00	0,000	2,320	0,000	46,240	35,600	28882,610	-28847,010
579+0,00	0,000	2,340	0,000	46,600	35,600	28929,210	-28893,610
580+0,00	0,000	2,670	0,000	50,120	35,600	28979,330	-28943,730
581+0,00	0,000	2,300	0,000	49,640	35,600	29028,960	-28993,360
582+0,00	0,000	2,800	0,000	50,990	35,600	29079,960	-29044,360
583+0,00	0,000	2,800	0,000	55,980	35,600	29135,940	-29100,340
584+0,00	0,000	2,720	0,000	55,140	35,600	29191,080	-29155,480
585+0,00	0,000	2,150	0,000	48,690	35,600	29239,770	-29204,170
586+0,00	0,000	2,280	0,000	44,270	35,600	29284,040	-29248,440
587+0,00	0,000	1,720	0,000	40,050	35,600	29324,090	-29288,490
588+0,00	0,000	1,830	0,000	35,590	35,600	29359,680	-29324,080
589+0,00	0,000	0,890	0,000	27,200	35,600	29386,880	-29351,280
590+0,00	0,000	0,790	0,000	16,780	35,600	29403,660	-29368,060
591+0,00	0,000	1,490	0,000	22,850	35,600	29426,520	-29390,920
592+0,00	0,000	2,460	0,000	39,510	35,600	29466,030	-29430,430
593+0,00	0,000	2,420	0,000	48,750	35,600	29514,780	-29479,180
594+0,00	0,000	2,690	0,000	51,080	35,600	29565,860	-29530,260
595+0,00	0,000	3,400	0,000	60,860	35,600	29626,720	-29591,120
596+0,00	0,000	2,770	0,000	61,640	35,600	29688,360	-29652,760
597+0,00	0,000	2,190	0,000	49,580	35,600	29737,940	-29702,340
598+0,00	0,000	2,230	0,000	44,220	35,600	29782,160	-29746,560
599+0,00	0,000	2,510	0,000	47,440	35,600	29829,600	-29794,000
600+0,00	0,000	2,070	0,000	45,810	35,600	29875,410	-29839,810
601+0,00	0,000	2,430	0,000	45,010	35,600	29920,420	-29884,820
602+0,00	0,000	2,360	0,000	47,890	35,600	29968,310	-29932,710
603+0,00	0,000	2,590	0,000	49,420	35,600	30017,740	-29982,140
604+0,00	0,000	3,140	0,000	57,290	35,600	30075,020	-30039,420
605+0,00	0,000	3,030	0,000	61,750	35,600	30136,770	-30101,170
606+0,00	0,000	3,220	0,000	62,550	35,600	30199,320	-30163,720
607+0,00	0,000	2,680	0,000	59,020	35,600	30258,340	-30222,740
608+0,00	0,000	2,550	0,000	52,250	35,600	30310,600	-30275,000
609+0,00	0,000	2,850	0,000	53,950	35,600	30364,550	-30328,950
610+0,00	0,000	3,080	0,000	59,300	35,600	30423,860	-30388,260
611+0,00	0,000	2,640	0,000	57,210	35,600	30481,060	-30445,460
612+0,00	0,000	2,660	0,000	53,030	35,600	30534,100	-30498,500
613+0,00	0,000	2,940	0,000	56,060	35,600	30590,160	-30554,560
614+0,00	0,000	2,990	0,000	59,300	35,600	30649,460	-30613,860
615+0,00	0,000	2,360	0,000	53,500	35,600	30702,960	-30667,360
616+0,00	0,000	2,200	0,000	45,660	35,600	30748,610	-30713,010
617+0,00	0,000	2,030	0,000	42,340	35,600	30790,950	-30755,350
618+0,00	0,000	1,990	0,000	40,180	35,600	30831,130	-30795,530
619+0,00	0,000	1,370	0,000	33,580	35,600	30864,710	-30829,110
620+0,00	0,020	1,120	0,160	24,930	35,750	30889,640	-30853,890
621+0,00	0,000	1,630	0,160	27,490	35,910	30917,130	-30881,220
622+0,00	0,000	2,480	0,000	41,100	35,910	30958,230	-30922,320
623+0,00	0,000	2,650	0,000	51,370	35,910	31009,600	-30973,690
624+0,00	0,000	2,010	0,000	46,640	35,910	31056,250	-31020,340
625+0,00	0,000	2,080	0,000	40,860	35,910	31097,100	-31061,190
626+0,00	0,000	2,190	0,000	42,650	35,910	31139,750	-31103,840
627+0,00	0,000	1,940	0,000	41,300	35,910	31181,050	-31145,140
628+0,00	0,000	1,880	0,000	38,250	35,910	31219,290	-31183,380
629+0,00	0,000	2,200	0,000	40,880	35,910	31260,180	-31224,270
630+0,00	0,000	2,120	0,000	43,220	35,910	31303,390	-31267,480
631+0,00	0,000	1,510	0,000	36,250	35,910	31339,640	-31303,730
632+0,00	0,000	2,060	0,000	35,620	35,910	31375,260	-31339,350
633+0,00	0,000	2,260	0,000	43,150	35,910	31418,420	-31382,510
634+0,00	0,000	2,400	0,000	46,580	35,910	31465,000	-31429,090
635+0,00	0,000	0,000	0,000	23,980	35,910	31488,980	-31453,070
636+0,00	0,000	2,740	0,000	27,440	35,910	31516,420	-31480,510
637+0,00	0,000	1,990	0,010	47,300	35,920	31563,720	-31527,800
638+0,00	0,000	2,930	0,010	49,180	35,920	31612,900	-31576,980
639+0,00	0,010	2,670	0,080	56,010	36,010	31668,910	-31632,900

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades (Sucid)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Liquido (m3)
640+0,00	0,000	2,800	0,090	54,700	36,100	31723,610	-31687,510
641+0,00	0,000	2,950	0,000	57,550	36,100	31781,160	-31745,060
642+0,00	0,000	2,820	0,000	57,770	36,100	31838,930	-31802,830
643+0,00	0,000	2,560	0,010	53,870	36,110	31892,810	-31856,700
644+0,00	0,030	2,640	0,260	52,070	36,370	31944,870	-31908,500
645+0,00	0,050	2,520	0,790	51,590	37,170	31996,460	-31959,290
646+0,00	0,070	2,430	1,250	49,410	38,420	32045,870	-32007,450
647+0,00	0,080	2,360	1,480	47,890	39,900	32093,760	-32053,860
648+0,00	0,000	2,640	0,780	50,070	40,670	32143,820	-32103,150
649+0,00	0,000	2,670	0,000	53,120	40,680	32196,940	-32156,260
650+0,00	0,000	2,500	0,000	51,730	40,680	32248,670	-32207,990
651+0,00	0,020	2,740	0,190	52,500	40,870	32301,170	-32260,300
652+0,00	0,040	2,750	0,600	54,930	41,460	32356,100	-32314,640
653+0,00	0,090	2,760	1,320	55,160	42,780	32411,260	-32368,480
654+0,00	0,100	2,700	1,940	54,610	44,720	32465,880	-32421,160
655+0,00	0,100	2,750	1,980	54,520	46,690	32520,400	-32473,710
656+0,00	0,080	2,860	1,730	56,170	48,420	32576,570	-32528,150
657+0,00	0,130	2,760	2,120	56,280	50,540	32632,850	-32582,310
658+0,00	0,110	2,290	2,470	50,540	53,010	32683,390	-32630,380
659+0,00	0,000	2,290	1,130	45,810	54,140	32729,200	-32675,060
660+0,00	0,050	2,470	0,470	47,650	54,610	32776,850	-32722,240
661+0,00	0,040	2,290	0,910	47,680	55,530	32824,530	-32769,000
662+0,00	0,050	2,240	0,920	45,330	56,450	32869,860	-32813,410
663+0,00	0,000	2,620	0,520	48,580	56,970	32918,450	-32861,480
664+0,00	0,000	2,660	0,060	52,740	57,030	32971,180	-32914,150
665+0,00	0,000	2,420	0,010	50,750	57,040	33021,930	-32964,890
666+0,00	0,000	2,390	0,000	48,120	57,040	33070,060	-33013,020
667+0,00	0,000	2,080	0,000	44,770	57,040	33114,820	-33057,780
668+0,00	0,000	2,910	0,000	49,890	57,040	33164,710	-33107,670
669+0,00	0,000	2,980	0,000	58,900	57,040	33223,610	-33166,570
670+0,00	0,000	3,350	0,000	63,310	57,040	33286,920	-33229,880
671+0,00	0,000	3,120	0,000	64,620	57,040	33351,550	-33294,510
672+0,00	0,000	2,970	0,000	60,900	57,040	33412,450	-33355,410
673+0,00	0,000	3,150	0,000	61,220	57,040	33473,670	-33416,630
674+0,00	0,000	3,370	0,000	65,200	57,040	33538,870	-33481,830
675+0,00	0,000	3,150	0,000	65,180	57,040	33604,060	-33547,020
676+0,00	0,000	3,250	0,000	63,970	57,040	33668,020	-33610,980
677+0,00	0,000	3,180	0,000	64,340	57,040	33732,360	-33675,320
678+0,00	0,000	3,140	0,000	63,220	57,040	33795,590	-33738,550
679+0,00	0,000	3,250	0,000	63,940	57,040	33859,530	-33802,490
680+0,00	0,000	3,220	0,000	64,780	57,040	33924,310	-33867,270
681+0,00	0,000	3,400	0,000	66,260	57,040	33990,570	-33933,530
682+0,00	0,000	3,400	0,000	68,050	57,040	34058,610	-34001,570
683+0,00	0,000	3,740	0,000	71,420	57,040	34130,040	-34073,000
684+0,00	0,000	3,230	0,000	69,720	57,040	34199,760	-34142,720
685+0,00	0,000	3,110	0,000	63,410	57,040	34263,170	-34206,130
686+0,00	0,000	3,120	0,000	62,300	57,040	34325,470	-34268,430
687+0,00	0,000	2,930	0,000	60,510	57,040	34385,980	-34328,940
688+0,00	0,000	3,400	0,000	63,310	57,040	34449,290	-34392,250
689+0,00	0,000	3,350	0,000	67,520	57,040	34516,800	-34459,760
690+0,00	0,000	3,770	0,000	71,200	57,040	34588,010	-34530,970
691+0,00	0,000	4,290	0,000	80,590	57,040	34668,600	-34611,560
692+0,00	0,000	3,620	0,000	79,070	57,040	34747,660	-34690,620
693+0,00	0,000	3,350	0,000	69,880	57,040	34817,540	-34760,500
694+0,00	0,010	2,660	0,090	60,100	57,130	34877,640	-34820,510
695+0,00	0,010	2,710	0,150	53,550	57,270	34931,190	-34873,920
696+0,00	0,000	2,980	0,060	56,710	57,330	34987,910	-34930,580
697+0,00	0,000	3,410	0,000	63,820	57,330	35051,730	-34994,400
698+0,00	0,000	3,370	0,000	67,770	57,330	35119,500	-35062,170
699+0,00	0,000	3,290	0,000	66,530	57,330	35186,030	-35128,700
700+0,00	0,000	3,210	0,000	64,960	57,330	35250,980	-35193,650
701+0,00	0,000	3,220	0,000	64,320	57,330	35315,300	-35257,970
702+0,00	0,000	3,280	0,000	65,040	57,330	35380,350	-35323,020
703+0,00	0,000	3,250	0,000	65,340	57,330	35445,680	-35388,350
704+0,00	0,000	3,750	0,000	70,030	57,330	35515,720	-35458,390

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPOP
Secretaria [illegible]

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
705+0,00	0,000	3,570	0,000	73,210	57,330	35588,920	-35531,590
706+0,00	0,000	3,470	0,000	70,430	57,330	35659,350	-35602,020
707+0,00	0,000	3,390	0,000	68,630	57,330	35727,980	-35670,650
708+0,00	0,000	3,650	0,000	70,400	57,330	35798,380	-35741,050
709+0,00	0,000	3,120	0,000	67,710	57,330	35866,090	-35808,760
710+0,00	0,000	3,160	0,000	62,790	57,330	35928,880	-35871,550
711+0,00	0,000	3,910	0,000	70,650	57,330	35999,530	-35942,200
712+0,00	0,000	3,010	0,000	69,140	57,330	36068,670	-36011,340
713+0,00	0,000	2,630	0,000	56,360	57,330	36125,030	-36067,700
714+0,00	0,000	2,420	0,000	50,480	57,330	36175,510	-36118,180
715+0,00	0,000	2,390	0,000	48,100	57,330	36223,600	-36166,270
716+0,00	0,000	2,230	0,000	46,250	57,330	36269,850	-36212,520
717+0,00	0,000	2,330	0,000	45,610	57,330	36315,460	-36258,130
718+0,00	0,000	2,520	0,000	48,430	57,330	36363,890	-36306,560
719+0,00	0,030	1,680	0,280	41,970	57,620	36405,860	-36348,240
720+0,00	0,050	1,760	0,760	34,420	58,380	36440,280	-36381,900
721+0,00	0,000	2,340	0,480	41,010	58,860	36481,300	-36422,440
722+0,00	0,000	2,190	0,000	45,270	58,860	36526,570	-36467,710
723+0,00	0,000	2,230	0,000	44,140	58,860	36570,710	-36511,850
724+0,00	0,000	2,480	0,000	47,070	58,860	36617,780	-36558,920
725+0,00	0,000	2,490	0,000	49,710	58,860	36667,490	-36608,630
726+0,00	0,000	2,640	0,000	51,330	58,860	36718,820	-36659,960
727+0,00	0,000	2,790	0,000	54,340	58,860	36773,160	-36714,300
728+0,00	0,000	3,030	0,000	58,190	58,860	36831,340	-36772,480
729+0,00	0,000	2,490	0,000	55,180	58,860	36886,520	-36827,660
730+0,00	0,000	2,830	0,000	53,250	58,860	36939,770	-36880,910
731+0,00	0,000	2,960	0,000	57,940	58,860	36997,710	-36938,850
732+0,00	0,000	2,710	0,000	56,710	58,860	37054,420	-36995,560
733+0,00	0,000	2,560	0,000	52,710	58,860	37107,130	-37048,270
734+0,00	0,000	2,630	0,000	51,950	58,860	37159,080	-37100,220
735+0,00	0,000	2,790	0,000	54,290	58,860	37213,360	-37154,500
736+0,00	0,000	2,890	0,000	56,810	58,860	37270,180	-37211,320
737+0,00	0,000	2,360	0,000	52,480	58,860	37322,660	-37263,800
738+0,00	0,000	2,460	0,000	48,200	58,860	37370,860	-37312,000
739+0,00	0,000	2,520	0,000	49,760	58,860	37420,620	-37361,760
740+0,00	0,000	2,380	0,000	48,950	58,860	37469,560	-37410,700
741+0,00	0,000	1,460	0,010	38,410	58,870	37507,970	-37449,100
742+0,00	0,000	2,190	0,010	36,510	58,880	37544,480	-37485,600
743+0,00	0,000	3,120	0,000	53,030	58,880	37597,500	-37538,620
744+0,00	0,000	3,320	0,000	64,340	58,880	37661,850	-37602,970
745+0,00	0,000	3,400	0,000	67,200	58,880	37729,050	-37670,170
746+0,00	0,000	3,180	0,000	65,820	58,880	37794,870	-37735,990
747+0,00	0,000	3,520	0,000	67,050	58,880	37861,920	-37803,040
748+0,00	0,000	3,180	0,000	67,000	58,880	37928,910	-37870,030
749+0,00	0,000	3,570	0,000	67,480	58,880	37996,400	-37937,520
750+0,00	0,000	3,790	0,000	73,600	58,880	38069,990	-38011,110
751+0,00	0,000	2,740	0,000	65,230	58,880	38135,220	-38076,340
752+0,00	0,000	2,430	0,000	51,670	58,880	38186,890	-38128,010
753+0,00	0,000	2,760	0,000	51,910	58,880	38238,800	-38179,920
754+0,00	0,000	2,840	0,000	55,980	58,880	38294,790	-38235,910
755+0,00	0,000	2,710	0,000	55,450	58,880	38350,230	-38291,350
756+0,00	0,000	2,480	0,000	51,810	58,880	38402,040	-38343,160
757+0,00	0,000	2,620	0,000	50,990	58,880	38453,030	-38394,150
758+0,00	0,000	2,980	0,000	56,040	58,880	38509,070	-38450,190
759+0,00	0,000	3,320	0,000	63,000	58,880	38572,070	-38513,190
760+0,00	0,000	3,060	0,000	63,830	58,880	38635,900	-38577,020
761+0,00	0,000	2,060	0,000	51,260	58,880	38687,160	-38628,280
762+0,00	0,000	1,830	0,000	38,920	58,880	38726,070	-38667,190
763+0,00	0,000	2,550	0,000	43,770	58,880	38769,840	-38710,960
764+0,00	0,000	3,070	0,000	56,220	58,880	38826,070	-38767,190
765+0,00	0,000	3,170	0,000	62,440	58,880	38888,500	-38829,620
766+0,00	0,000	2,740	0,000	59,090	58,880	38947,590	-38888,710
767+0,00	0,000	1,840	0,000	45,750	58,880	38993,340	-38934,460
768+0,00	0,000	2,200	0,000	40,400	58,880	39033,750	-38974,870
769+0,00	0,000	2,040	0,000	42,390	58,880	39076,140	-39017,260

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria de Obras

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
770+0,00	0,000	0,000	0,000	20,360	58,880	39096,500	-39037,620
771+0,00	0,000	2,510	0,000	25,070	58,880	39121,570	-39062,690
772+0,00	0,000	2,580	0,000	50,910	58,880	39172,470	-39113,590
773+0,00	0,000	0,000	0,000	25,840	58,880	39198,310	-39139,430
774+0,00	0,000	1,670	0,000	16,730	58,880	39215,040	-39156,160
775+0,00	0,000	1,380	0,000	30,500	58,880	39245,540	-39186,660
776+0,00	0,000	1,610	0,000	29,830	58,880	39275,370	-39216,490
777+0,00	0,000	2,100	0,000	37,060	58,880	39312,430	-39253,550
778+0,00	0,000	1,790	0,000	38,950	58,880	39351,380	-39292,500
779+0,00	0,000	2,130	0,000	39,210	58,880	39390,580	-39331,700
780+0,00	0,000	2,540	0,000	46,630	58,880	39437,220	-39378,340
781+0,00	0,000	2,650	0,000	51,860	58,880	39489,070	-39430,190
782+0,00	0,000	0,000	0,000	26,490	58,880	39515,560	-39456,680
783+0,00	0,000	2,150	0,000	21,520	58,880	39537,080	-39478,200
784+0,00	0,000	2,170	0,000	43,170	58,880	39580,250	-39521,370
785+0,00	0,000	2,150	0,000	43,120	58,880	39623,370	-39564,490
786+0,00	0,000	2,520	0,000	46,690	58,880	39670,060	-39611,180
787+0,00	0,000	2,830	0,000	53,520	58,880	39723,570	-39664,690
788+0,00	0,000	2,920	0,000	57,510	58,880	39781,080	-39722,200
789+0,00	0,000	2,760	0,000	56,760	58,880	39837,840	-39778,960
790+0,00	0,000	2,500	0,000	52,540	58,880	39890,380	-39831,500
791+0,00	0,000	2,880	0,000	53,800	58,880	39944,180	-39885,300
792+0,00	0,000	2,320	0,000	52,010	58,880	39996,200	-39937,320
793+0,00	0,000	2,060	0,000	43,790	58,880	40039,990	-39981,110
794+0,00	0,000	1,970	0,000	40,260	58,880	40080,250	-40021,370
795+0,00	0,000	1,960	0,000	39,290	58,880	40119,540	-40060,660
796+0,00	0,000	1,390	0,000	33,510	58,880	40153,050	-40094,170
797+0,00	0,000	1,790	0,000	31,830	58,880	40184,880	-40126,000
798+0,00	0,000	2,380	0,000	41,780	58,880	40226,670	-40167,790
799+0,00	0,000	2,840	0,000	52,190	58,880	40278,860	-40219,980
800+0,00	0,000	2,690	0,000	55,210	58,880	40334,070	-40275,190
801+0,00	0,000	2,570	0,000	52,550	58,880	40386,620	-40327,740
802+0,00	0,000	2,710	0,000	52,790	58,880	40439,410	-40380,530
803+0,00	0,000	2,700	0,000	54,090	58,880	40493,510	-40434,630
804+0,00	0,000	2,920	0,000	56,160	58,880	40549,670	-40490,790
805+0,00	0,000	2,110	0,000	50,300	58,880	40599,970	-40541,090
806+0,00	0,000	2,090	0,000	42,000	58,880	40641,970	-40583,090
807+0,00	0,000	2,740	0,000	48,320	58,880	40690,280	-40631,400
808+0,00	0,000	3,180	0,000	59,200	58,880	40749,490	-40690,610
809+0,00	0,000	2,500	0,000	56,760	58,880	40806,250	-40747,370
810+0,00	0,000	2,440	0,000	49,390	58,880	40855,640	-40796,760
811+0,00	0,000	3,180	0,000	56,160	58,880	40911,800	-40852,920
812+0,00	0,000	3,660	0,000	68,330	58,880	40980,130	-40921,250
813+0,00	0,000	3,580	0,000	72,380	58,880	41052,510	-40993,630
814+0,00	0,000	3,080	0,000	66,670	58,880	41119,170	-41060,290
815+0,00	0,000	1,900	0,000	49,890	58,880	41169,060	-41110,180
816+0,00	0,000	1,510	0,000	34,170	58,880	41203,240	-41144,360
817+0,00	0,000	1,110	0,000	26,210	58,880	41229,440	-41170,560
818+0,00	0,000	1,120	0,000	22,260	58,880	41251,710	-41192,830
819+0,00	0,000	1,710	0,000	28,290	58,880	41280,000	-41221,120
820+0,00	0,000	1,900	0,000	36,140	58,880	41316,140	-41257,260
821+0,00	0,000	2,680	0,000	45,880	58,880	41362,020	-41303,140
822+0,00	0,000	3,020	0,000	57,060	58,880	41419,080	-41360,200
823+0,00	0,000	4,100	0,000	71,220	58,880	41490,300	-41431,420
824+0,00	0,000	5,340	0,000	94,430	58,880	41584,720	-41525,840
825+0,00	0,000	5,280	0,000	106,240	58,880	41690,970	-41632,090
826+0,00	0,000	5,470	0,000	107,520	58,880	41798,490	-41739,610
827+0,00	0,000	4,310	0,000	97,830	58,880	41896,310	-41837,430
828+0,00	0,000	3,480	0,000	77,860	58,880	41974,180	-41915,300
829+0,00	0,000	2,980	0,000	64,520	58,880	42038,690	-41979,810
830+0,00	0,000	2,050	0,000	50,280	58,880	42088,970	-42030,090
831+0,00	0,000	2,550	0,000	46,010	58,880	42134,980	-42076,100
832+0,00	0,000	3,260	0,000	58,070	58,880	42193,060	-42134,180
833+0,00	0,000	4,060	0,000	73,140	58,880	42266,200	-42207,320
834+0,00	0,000	4,960	0,000	90,150	58,880	42356,350	-42297,470

José Leoncio da Silva Filho
Diretoria de Unidade de Projetos
Projetos e Obras - DUPPO

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
835+0,00	0,000	4,020	0,000	89,830	58,880	42446,180	-42387,300
836+0,00	0,000	2,370	0,000	63,940	58,880	42510,110	-42451,230
837+0,00	0,000	2,930	0,000	53,000	58,880	42563,110	-42504,230
838+0,00	0,000	2,470	0,000	53,970	58,880	42617,080	-42558,200
839+0,00	0,000	2,740	0,000	52,090	58,880	42669,180	-42610,300
840+0,00	0,000	2,960	0,000	57,020	58,880	42726,190	-42667,310
841+0,00	0,000	2,500	0,000	54,600	58,880	42780,790	-42721,910
842+0,00	0,000	2,240	0,000	47,450	58,880	42828,240	-42769,360
843+0,00	0,000	2,660	0,000	49,000	58,880	42877,230	-42818,350
844+0,00	0,000	2,160	0,000	48,120	58,880	42925,360	-42866,480
845+0,00	0,000	2,830	0,000	49,890	58,880	42975,250	-42916,370
846+0,00	0,000	2,120	0,000	49,550	58,880	43024,800	-42965,920
847+0,00	0,000	1,990	0,000	41,160	58,880	43065,960	-43007,080
848+0,00	0,000	2,810	0,000	48,020	58,880	43113,980	-43055,100
849+0,00	0,000	3,690	0,000	65,000	58,880	43178,980	-43120,100
850+0,00	0,000	3,830	0,000	75,260	58,880	43254,250	-43195,370
851+0,00	0,000	2,150	0,000	59,830	58,880	43314,070	-43255,190
852+0,00	0,090	0,300	0,860	24,530	59,740	43338,610	-43278,870
853+0,00	0,000	1,290	0,870	15,900	60,610	43354,510	-43293,900
854+0,00	0,000	2,660	0,010	39,490	60,620	43393,990	-43333,370
855+0,00	0,000	2,750	0,000	54,170	60,620	43448,170	-43387,550
856+0,00	0,000	2,280	0,000	50,310	60,620	43498,480	-43437,860
857+0,00	0,000	2,260	0,000	45,370	60,620	43543,850	-43483,230
858+0,00	0,000	2,680	0,000	49,390	60,620	43593,240	-43532,620
859+0,00	0,000	2,740	0,000	54,230	60,620	43647,470	-43586,850
860+0,00	0,000	2,520	0,000	52,600	60,620	43700,070	-43639,450
861+0,00	0,000	2,270	0,000	47,840	60,620	43747,910	-43687,290
862+0,00	0,000	2,360	0,000	46,260	60,620	43794,170	-43733,550
863+0,00	0,000	2,300	0,000	46,580	60,620	43840,750	-43780,130
864+0,00	0,000	3,240	0,000	55,370	60,620	43896,120	-43835,500
865+0,00	0,000	3,600	0,000	68,410	60,620	43964,520	-43903,900
866+0,00	0,000	3,450	0,000	70,490	60,620	44035,010	-43974,390
867+0,00	0,000	3,200	0,000	66,470	60,620	44101,480	-44040,860
868+0,00	0,000	3,190	0,000	63,880	60,620	44165,370	-44104,750
869+0,00	0,000	3,030	0,000	62,180	60,620	44227,540	-44166,920
870+0,00	0,000	2,820	0,000	58,510	60,620	44286,060	-44225,440
871+0,00	0,000	2,750	0,000	55,740	60,620	44341,790	-44281,170
872+0,00	0,000	2,750	0,000	55,040	60,620	44396,830	-44336,210
873+0,00	0,000	2,850	0,000	56,010	60,620	44452,840	-44392,220
874+0,00	0,000	3,120	0,000	59,620	60,620	44512,460	-44451,840
875+0,00	0,000	3,660	0,000	67,770	60,620	44580,230	-44519,610
876+0,00	0,000	2,760	0,000	64,200	60,620	44644,430	-44583,810
877+0,00	0,000	4,120	0,000	68,780	60,620	44713,210	-44652,590
878+0,00	0,000	3,700	0,000	78,240	60,620	44791,450	-44730,830
879+0,00	0,000	3,840	0,000	75,520	60,620	44866,960	-44806,340
880+0,00	0,000	2,940	0,000	67,990	60,620	44934,950	-44874,330
881+0,00	0,000	3,980	0,000	69,370	60,620	45004,320	-44943,700
882+0,00	0,000	2,460	0,000	64,410	60,620	45068,730	-45008,110
883+0,00	0,000	2,380	0,000	48,400	60,620	45117,120	-45056,500
884+0,00	0,000	2,640	0,000	50,270	60,620	45167,400	-45106,780
885+0,00	0,000	2,450	0,000	50,960	60,620	45218,360	-45157,740
886+0,00	0,000	2,320	0,000	47,740	60,620	45266,100	-45205,480
887+0,00	0,000	2,370	0,000	46,970	60,620	45313,070	-45252,450
888+0,00	0,000	3,030	0,000	54,020	60,620	45367,080	-45306,460
889+0,00	0,000	2,880	0,000	59,100	60,620	45426,190	-45365,570
890+0,00	0,000	2,730	0,000	56,240	60,620	45482,420	-45421,800
891+0,00	0,000	2,690	0,000	54,350	60,620	45536,780	-45476,160
892+0,00	0,000	2,450	0,000	51,550	60,620	45588,330	-45527,710
893+0,00	0,000	2,000	0,000	44,620	60,620	45632,950	-45572,330
894+0,00	0,000	1,850	0,000	38,620	60,620	45671,570	-45610,950
895+0,00	0,000	1,950	0,000	38,110	60,620	45709,680	-45649,060
896+0,00	0,000	1,760	0,000	37,170	60,620	45746,850	-45686,230
897+0,00	0,000	1,840	0,000	36,000	60,620	45782,850	-45722,230
898+0,00	0,000	2,530	0,000	43,690	60,620	45826,540	-45765,920
899+0,00	0,000	2,350	0,000	48,830	60,620	45875,370	-45814,750

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria de Estado Meio

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
900+0,00	0,000	2,470	0,000	48,220	60,620	45923,590	-45862,970
901+0,00	0,000	2,460	0,000	49,350	60,620	45972,940	-45912,320
902+0,00	0,000	2,250	0,000	47,170	60,620	46020,110	-45959,490
903+0,00	0,000	2,240	0,000	44,900	60,620	46065,010	-46004,390
904+0,00	0,000	2,290	0,000	45,280	60,620	46110,290	-46049,670
905+0,00	0,000	2,440	0,000	47,320	60,620	46157,610	-46096,990
906+0,00	0,000	2,440	0,000	48,830	60,620	46206,440	-46145,820
907+0,00	0,000	2,310	0,000	47,540	60,620	46253,990	-46193,370
908+0,00	0,000	2,330	0,000	46,440	60,620	46300,420	-46239,800
909+0,00	0,000	2,330	0,000	46,560	60,620	46346,980	-46286,360
910+0,00	0,000	2,260	0,000	45,960	60,620	46392,940	-46332,320
911+0,00	0,000	2,450	0,000	47,140	60,620	46440,080	-46379,460
912+0,00	0,000	2,710	0,000	51,580	60,620	46491,660	-46431,040
913+0,00	0,000	2,560	0,000	52,720	60,620	46544,380	-46483,760
914+0,00	0,000	3,250	0,000	58,100	60,620	46602,490	-46541,870
915+0,00	0,000	3,120	0,000	63,590	60,620	46666,080	-46605,460
916+0,00	0,000	3,090	0,000	61,990	60,620	46728,070	-46667,450
917+0,00	0,000	3,200	0,000	62,860	60,620	46790,930	-46730,310
918+0,00	0,000	2,980	0,000	61,810	60,620	46852,740	-46792,120
919+0,00	0,000	2,740	0,000	57,170	60,620	46909,910	-46849,290
920+0,00	0,000	2,430	0,000	51,710	60,620	46961,610	-46900,990
921+0,00	0,000	3,110	0,000	55,380	60,620	47016,990	-46956,370
922+0,00	0,000	2,900	0,000	60,020	60,620	47077,010	-47016,390
923+0,00	0,000	2,020	0,000	49,120	60,620	47126,130	-47065,510
924+0,00	0,000	1,270	0,000	32,890	60,620	47159,020	-47098,400
925+0,00	0,010	0,660	0,120	19,360	60,750	47178,380	-47117,630
926+0,00	0,000	2,210	0,120	28,760	60,870	47207,150	-47146,280
927+0,00	0,000	3,360	0,000	55,730	60,870	47262,880	-47202,010
928+0,00	0,000	3,630	0,000	69,950	60,870	47332,830	-47271,960
929+0,00	0,000	3,100	0,000	67,370	60,870	47400,190	-47339,320
930+0,00	0,000	2,850	0,000	59,490	60,870	47459,690	-47398,820
931+0,00	0,000	3,070	0,000	59,170	60,870	47518,860	-47457,990
932+0,00	0,000	3,440	0,000	65,140	60,870	47584,000	-47523,130
933+0,00	0,000	3,150	0,000	65,960	60,870	47649,960	-47589,090
934+0,00	0,000	3,090	0,000	62,460	60,870	47712,420	-47651,550
935+0,00	0,000	2,590	0,000	56,810	60,870	47769,230	-47708,360
936+0,00	0,000	2,570	0,000	51,510	60,870	47820,740	-47759,870
937+0,00	0,000	1,830	0,010	44,010	60,880	47864,750	-47803,870
938+0,00	0,010	1,980	0,140	38,170	61,020	47902,920	-47841,900
939+0,00	0,000	2,260	0,140	42,460	61,170	47945,380	-47884,210
940+0,00	0,000	2,520	0,010	47,760	61,170	47993,140	-47931,970
941+0,00	0,000	3,040	0,000	55,710	61,170	48048,850	-47987,680
942+0,00	0,000	3,430	0,000	64,710	61,170	48113,560	-48052,390
943+0,00	0,000	3,410	0,000	68,460	61,170	48182,020	-48120,850
944+0,00	0,000	3,190	0,000	66,090	61,170	48248,110	-48186,940
945+0,00	0,000	3,250	0,000	64,470	61,170	48312,580	-48251,410
946+0,00	0,000	3,430	0,000	66,860	61,170	48379,440	-48318,270
947+0,00	0,000	3,220	0,000	66,540	61,170	48445,980	-48384,810
948+0,00	0,000	3,090	0,000	63,120	61,170	48509,110	-48447,940
949+0,00	0,000	0,000	0,000	30,900	61,170	48540,010	-48478,840
950+0,00	0,000	3,040	0,000	30,430	61,170	48570,440	-48509,270
951+0,00	0,000	2,900	0,000	59,430	61,170	48629,860	-48568,690
952+0,00	0,000	3,020	0,000	59,200	61,170	48689,060	-48627,890
953+0,00	0,000	2,790	0,000	58,050	61,170	48747,110	-48685,940
954+0,00	0,000	2,530	0,000	53,100	61,170	48800,210	-48739,040
955+0,00	0,000	2,420	0,000	49,480	61,170	48849,680	-48788,510
956+0,00	0,010	2,210	0,080	46,260	61,260	48895,940	-48834,680
957+0,00	0,010	2,210	0,180	44,160	61,430	48940,100	-48878,670
958+0,00	0,010	2,330	0,170	45,380	61,600	48985,490	-48923,890
959+0,00	0,000	2,490	0,100	48,150	61,700	49033,630	-48971,930
960+0,00	0,010	0,000	0,110	24,860	61,810	49058,490	-48996,680
961+0,00	0,000	2,700	0,080	26,960	61,890	49085,450	-49023,560
962+0,00	0,000	2,700	0,000	53,960	61,890	49139,410	-49077,520
963+0,00	0,000	2,750	0,000	54,500	61,890	49193,910	-49132,020
964+0,00	0,000	2,510	0,000	52,670	61,890	49246,580	-49184,690

Osvaldo Leôncio da Silva
Diretor da Unidade de Projetos
Projetos e Obras
Secretaria

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
965+0,00	0,000	2,910	0,000	54,250	61,890	49300,830	-49238,940
966+0,00	0,000	3,020	0,000	59,310	61,890	49360,140	-49298,250
967+0,00	0,000	2,680	0,000	56,980	61,890	49417,110	-49355,220
968+0,00	0,000	2,450	0,000	51,230	61,890	49468,340	-49406,450
969+0,00	0,000	2,360	0,000	48,110	61,890	49516,450	-49454,560
970+0,00	0,000	2,510	0,000	48,760	61,890	49565,210	-49503,320
971+0,00	0,000	2,880	0,000	53,870	61,890	49619,080	-49557,190
972+0,00	0,000	2,970	0,000	58,560	61,890	49677,630	-49615,740
973+0,00	0,000	2,890	0,000	58,600	61,890	49736,240	-49674,350
974+0,00	0,000	2,830	0,000	57,180	61,890	49793,420	-49731,530
975+0,00	0,000	2,390	0,000	52,230	61,890	49845,650	-49783,760
976+0,00	0,000	2,350	0,000	47,390	61,890	49893,040	-49831,150
977+0,00	0,000	1,710	0,000	40,540	61,890	49933,580	-49871,690
978+0,00	0,000	1,800	0,000	35,040	61,890	49968,620	-49906,730
979+0,00	0,000	1,670	0,000	34,710	61,890	50003,330	-49941,440
980+0,00	0,000	1,420	0,000	31,000	61,890	50034,330	-49972,440
981+0,00	0,000	1,900	0,000	33,300	61,890	50067,630	-50005,740
982+0,00	0,000	0,000	0,000	19,040	61,890	50086,670	-50024,780
983+0,00	0,000	1,190	0,020	11,900	61,910	50098,560	-50036,650
984+0,00	0,000	1,550	0,020	27,380	61,920	50125,940	-50064,020
985+0,00	0,000	2,070	0,000	36,230	61,920	50162,170	-50100,250
986+0,00	0,000	1,960	0,000	40,400	61,920	50202,580	-50140,660
987+0,00	0,000	2,460	0,000	44,200	61,920	50246,770	-50184,850
988+0,00	0,000	2,450	0,000	49,010	61,920	50295,790	-50233,870
989+0,00	0,000	2,610	0,000	50,590	61,920	50346,370	-50284,450
990+0,00	0,000	2,640	0,000	52,490	61,920	50398,870	-50336,950
991+0,00	0,000	3,630	0,000	62,700	61,920	50461,570	-50399,650
992+0,00	0,000	6,110	0,000	97,480	61,920	50559,060	-50497,140
993+0,00	0,000	5,930	0,000	120,430	61,920	50679,480	-50617,560
994+0,00	0,000	4,830	0,000	107,580	61,920	50787,060	-50725,140
995+0,00	0,000	3,380	0,000	82,120	61,920	50869,180	-50807,260
996+0,00	0,000	2,570	0,000	59,500	61,920	50928,680	-50866,760
997+0,00	0,000	2,670	0,000	52,340	61,920	50981,020	-50919,100
998+0,00	0,000	2,750	0,000	54,180	61,920	51035,200	-50973,280
999+0,00	0,000	2,860	0,000	56,110	61,920	51091,320	-51029,400
1000+0,00	0,000	2,780	0,000	56,440	61,920	51147,750	-51085,830
1001+0,00	0,000	2,750	0,000	55,340	61,920	51203,090	-51141,170
1002+0,00	0,000	2,970	0,000	57,190	61,920	51260,280	-51198,360
1003+0,00	0,000	2,720	0,000	56,910	61,920	51317,200	-51255,280
1004+0,00	0,000	2,460	0,000	51,820	61,920	51369,020	-51307,100
1005+0,00	0,000	1,940	0,000	44,020	61,920	51413,040	-51351,120
1006+0,00	0,000	1,620	0,000	35,610	61,920	51448,660	-51386,740
1007+0,00	0,000	1,550	0,000	31,640	61,920	51480,300	-51418,380
1008+0,00	0,000	1,610	0,000	31,570	61,920	51511,860	-51449,940
1009+0,00	0,000	1,860	0,000	34,720	61,920	51546,580	-51484,660
1010+0,00	0,000	2,170	0,000	40,380	61,920	51586,960	-51525,040
1011+0,00	0,000	2,620	0,000	48,000	61,920	51634,960	-51573,040
1012+0,00	0,000	2,550	0,000	51,850	61,920	51686,810	-51624,890
1013+0,00	0,000	2,690	0,000	52,410	61,920	51739,220	-51677,300
1014+0,00	0,000	3,200	0,000	59,010	61,920	51798,230	-51736,310
1015+0,00	0,000	3,000	0,000	62,080	61,920	51860,300	-51798,380
1016+0,00	0,000	2,940	0,000	59,430	61,920	51919,730	-51857,810
1017+0,00	0,000	0,660	0,000	36,060	61,920	51955,790	-51893,870
1017+9,00	0,330	0,000	1,500	2,970	63,420	51958,760	-51895,340

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Projetos
Projetos e Obras - DUPO
Secretaria das Cidades (Sedurb)

14.4 TRECHO IV

Rua Acésio do Rêgo Monteiro, nº 1515
Ed. Antonio Portela Barbosa
Bairro Ininga • CEP: 64052-860
Teresina • Piauí • Brasil

www.pi.gov.br
cidades@cidades.pi.gov.br

Nota de Serviço Tabela

TRECHO 4: PI-114 AO POVOADO POÇO DA ANTA 0+0.000 1492+0.000

Lado Esquerdo			Eixo						Lado Direito					
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-4.396	331.587	66.67	-4.000	331.323	-2.00	0+0.000	331.403	331.403	0.000	4.000	331.323	-2.00	4.060	331.233	-150.00
-4.011	331.288	66.67	-4.000	331.281	-2.00	1+0.000	331.361	331.140	0.221	4.000	331.281	-2.00	4.188	330.999	-150.00
-4.116	330.714	-150.00	-4.000	330.887	-2.00	2+0.000	330.967	330.638	0.329	4.000	330.887	-2.00	4.217	330.561	-150.00
-4.133	330.039	-150.00	-4.000	330.238	-2.00	3+0.000	330.318	329.924	0.394	4.000	330.238	-2.00	4.288	329.805	-150.00
-4.121	329.448	-150.00	-4.000	329.629	-2.00	4+0.000	329.709	329.321	0.389	4.000	329.629	-2.00	4.304	329.173	-150.00
-4.109	329.009	-150.00	-4.000	329.173	-2.00	5+0.000	329.253	328.855	0.398	4.000	329.173	-2.00	4.320	328.694	-150.00
-4.108	328.763	-150.00	-4.000	328.924	-2.00	6+0.000	329.004	328.626	0.379	4.000	328.924	-2.00	4.298	328.477	-150.00
-4.128	328.688	-150.00	-4.000	328.880	-2.00	7+0.000	328.960	328.554	0.406	4.000	328.880	-2.00	4.311	328.414	-150.00
-4.128	328.697	-150.00	-4.000	328.889	-2.00	8+0.000	328.969	328.583	0.386	4.000	328.889	-2.00	4.282	328.466	-150.00
-4.091	328.739	-150.00	-4.000	328.875	-2.00	9+0.000	328.955	328.628	0.327	4.000	328.875	-2.00	4.232	328.528	-150.00
-4.072	328.754	-150.00	-4.000	328.862	-2.00	10+0.000	328.942	328.668	0.273	4.000	328.862	-2.00	4.187	328.581	-150.00
-4.075	328.735	-150.00	-4.000	328.848	-2.00	11+0.000	328.928	328.666	0.262	4.000	328.848	-2.00	4.168	328.595	-150.00
-4.150	328.610	-150.00	-4.000	328.834	-2.00	12+0.000	328.914	328.541	0.373	4.000	328.834	-2.00	4.242	328.470	-150.00
-4.164	328.418	-150.00	-4.000	328.663	-2.00	13+0.000	328.743	328.322	0.421	4.000	328.663	-2.00	4.293	328.224	-150.00
-4.086	328.042	-150.00	-4.000	328.171	-2.00	14+0.000	328.251	327.934	0.317	4.000	328.171	-2.00	4.232	327.823	-150.00
-4.273	327.188	-150.00	-4.000	327.597	-2.00	15+0.000	327.677	327.152	0.525	4.000	327.597	-2.00	4.321	327.116	-150.00
-4.227	326.602	-150.00	-4.000	326.942	-2.00	16+0.000	327.022	326.617	0.405	4.000	326.942	-2.00	4.226	326.603	-150.00
-4.287	326.227	-150.00	-4.000	326.658	-2.00	17+0.000	326.738	326.219	0.518	4.000	326.658	-2.00	4.297	326.212	-150.00
-4.320	325.909	-150.00	-4.000	326.390	-2.00	18+0.000	326.470	325.922	0.547	4.000	326.390	-2.00	4.303	325.935	-150.00
-4.272	325.714	-150.00	-4.000	326.122	-2.00	19+0.000	326.202	325.742	0.460	4.000	326.122	-2.00	4.235	325.769	-150.00
-4.298	325.513	-150.00	-4.000	325.961	-2.00	20+0.000	326.041	325.531	0.510	4.000	325.961	-2.00	4.275	325.548	-150.00
-4.280	325.449	-150.00	-4.000	325.869	-2.00	21+0.000	325.949	325.499	0.451	4.000	325.869	-2.00	4.215	325.547	-150.00
-4.244	325.411	-150.00	-4.000	325.778	-2.00	22+0.000	325.858	325.476	0.382	4.000	325.778	-2.00	4.159	325.539	-150.00
-4.259	325.285	-150.00	-4.000	325.673	-2.00	23+0.000	325.753	325.305	0.449	4.000	325.673	-2.00	4.232	325.325	-150.00
-4.369	324.998	-150.00	-4.000	325.552	-2.00	24+0.000	325.632	325.033	0.599	4.000	325.552	-2.00	4.323	325.067	-150.00
-4.282	325.007	-150.00	-4.000	325.430	-2.00	25+0.000	325.510	325.019	0.491	4.000	325.430	-2.00	4.267	325.030	-150.00
-4.199	325.010	-150.00	-4.000	325.309	-2.00	26+0.000	325.389	325.008	0.381	4.000	325.309	-2.00	4.219	324.981	-150.00
-4.227	325.222	-150.00	-4.000	325.563	-2.00	27+0.000	325.643	325.205	0.438	4.000	325.563	-2.00	4.240	325.203	-150.00
-4.256	325.502	-150.00	-4.000	325.885	-2.00	28+0.000	325.965	325.482	0.483	4.000	325.885	-2.00	4.281	325.464	-150.00
-4.213	325.888	-150.00	-4.000	326.208	-2.00	29+0.000	326.288	325.871	0.417	4.000	326.208	-2.00	4.267	325.807	-150.00
-4.177	326.221	-150.00	-4.000	326.487	-2.00	30+0.000	326.567	326.168	0.398	4.000	326.487	-2.00	4.246	326.118	-150.00
-4.185	326.413	-150.00	-4.000	326.691	-2.00	31+0.000	326.771	326.378	0.393	4.000	326.691	-2.00	4.232	326.342	-150.00
-4.200	326.729	-150.00	-4.000	327.030	-2.00	32+0.000	327.110	326.734	0.376	4.000	327.030	-2.00	4.195	326.737	-150.00
-4.205	327.135	-150.00	-4.000	327.442	-2.00	33+0.000	327.522	327.133	0.388	4.000	327.442	-2.00	4.203	327.137	-150.00
-4.184	327.653	-150.00	-4.000	327.928	-2.00	34+0.000	328.008	327.649	0.360	4.000	327.928	-2.00	4.200	327.628	-150.00
-4.191	328.261	-150.00	-4.000	328.547	-2.00	35+0.000	328.627	328.251	0.376	4.000	328.547	-2.00	4.204	328.241	-150.00
-4.158	329.104	-150.00	-4.000	329.341	-2.00	36+0.000	329.421	329.086	0.334	4.000	329.341	-2.00	4.223	329.006	-150.00
-4.150	329.911	-150.00	-4.000	330.137	-2.00	37+0.000	330.217	329.828	0.389	4.000	330.137	-2.00	4.259	329.749	-150.00
-4.153	330.632	-150.00	-4.000	330.861	-2.00	38+0.000	330.941	330.553	0.388	4.000	330.861	-2.00	4.255	330.479	-150.00
-4.007	331.237	-150.00	-4.000	331.247	-2.00	39+0.000	331.327	331.185	0.143	4.000	331.247	-2.00	4.077	331.131	-150.00
-4.140	331.712	66.67	-4.000	331.618	-2.00	40+0.000	331.698	331.619	0.080	4.000	331.618	-2.00	4.061	331.527	-150.00
			-4.000	331.989	-2.00	41+0.000	332.069	331.903	0.166	4.000	331.989	-2.00	4.117	331.814	-150.00
-4.014	332.340	-150.00	-4.000	332.360	-2.00	42+0.000	332.440	332.222	0.218	4.000	332.360	-2.00	4.173	332.100	-150.00
-4.060	332.641	-150.00	-4.000	332.731	-2.00	43+0.000	332.811	332.525	0.287	4.000	332.731	-2.00	4.218	332.404	-150.00
-4.108	332.940	-150.00	-4.000	333.102	-2.00	44+0.000	333.182	332.795	0.387	4.000	333.102	-2.00	4.303	332.648	-150.00
-4.075	333.395	-150.00	-4.000	333.507	-2.00	45+0.000	333.587	333.262	0.325	4.000	333.507	-2.00	4.256	333.123	-150.00
-4.060	333.826	-150.00	-4.000	333.916	-2.00	46+0.000	333.996	333.712	0.284	4.000	333.916	-2.00	4.215	333.594	-150.00
-4.082	334.203	-150.00	-4.000	334.326	-2.00	47+0.000	334.406	334.093	0.313	4.000	334.326	-2.00	4.236	333.972	-150.00
-4.107	334.575	-150.00	-4.000	334.735	-2.00	48+0.000	334.815	334.460	0.356	4.000	334.735	-2.00	4.267	334.335	-150.00
-4.146	334.940	-150.00	-4.000	335.158	-2.00	49+0.000	335.238	334.847	0.391	4.000	335.158	-2.00	4.307	334.698	-150.00
-4.152	335.387	-150.00	-4.000	335.615	-2.00	50+0.000	335.695	335.294	0.401	4.000	335.615	-2.00	4.304	335.159	-150.00
-4.143	335.594	-150.00	-4.000	335.808	-2.00	51+0.000	335.888	335.487	0.402	4.000	335.808	-2.00	4.302	335.356	-150.00
-4.127	335.679	-150.00	-4.000	335.870	-2.00	52+0.000	335.950	335.545	0.405	4.000	335.870	-2.00	4.334	335.369	-150.00
-4.109	335.428	-150.00	-4.000	335.592	-2.00	53+0.000	335.672	335.261	0.410	4.000	335.592	-2.00	4.337	335.086	-150.00
-4.118	334.941	-150.00	-4.000	335.118	-2.00	54+0.000	335.198	334.774	0.423	4.000	335.118	-2.00	4.346	334.598	-150.00
-4.098	334.428	-150.00	-4.000	334.574	-2.00	55+0.000	334.654	334.251	0.403	4.000	334.574	-2.00	4.340	334.064	-150.00
-4.098	333.945	-150.00	-4.000	334.092	-2.00	56+0.000	334.172	333.767	0.405	4.000	334.092	-2.00	4.342	333.580	-150.00
-4.083	333.569	-150.00	-4.000	333.694	-2.00	57+0.000	333.774	333.394	0.380	4.000	333.694	-2.00	4.323	333.209	-150.00
-4.131	333.105	-150.00	-4.000	333.302	-2.00	58+0.000	333.382	332.983	0.399	4.000	333.302	-2.00	4.298	332.855	-150.00
-4.135	332.926	-150.00	-4.000	333.129	-2.00	59+0.000	333.209	332.808	0.401	4.000	333.129	-2.00	4.296	332.685	-150.00
-4.135	332.867	-150.00	-4.000	333.070	-2.00	60+0.000	333.150	332.776	0.374	4.000	333.070	-2.00	4.258	332.683	-150.00
-4.169	332.986	-150.00	-4.000	333.240	-2.00	61+0.000	333.320	332.930	0.389	4.000	333.240	-2.00	4.244	332.874	-150.00
-4.155	333.316	-150.00	-4.000	333.549	-2.00	62+0.000	333.629	333.259	0.370	4.000	333.549	-2.00	4.232	333.201	-150.00
-4.155	333.817	-150.00	-4.000	334.049	-2.00	63+0.000	334.129	333.734	0.395	4.000	334.049	-2.00	4.251	333.672	-150.00
-4.225	334.488	-150.00	-4.000	334.825	-2.00	64+0.000	334.905	334.523	0.383	4.000	334.825	-2.00	4.180	334.556	-150.00
-4.183	335.008	-150.00	-4.000	335.283	-2.00	65+0.000	335.363	334.986	0.376	4.000	335.283	-2.00	4.213	334.963	-150.00
-4.156	335.491	-150.00	-4.000	335.725	-2.00	66+0.000	335.805	335.402	0.403	4.000	335.725	-2.00	4.268	335.323	-150.00
-4.082	336.154	-150.00	-4.000	336.276	-2.00	67+0.000	336.356	335.981	0.376	4.000	336.276	-2.00	4.316	335.803	-150.00
-4.083	336.812	-150.00	-4.000	336.936	-2.00	68+0.000	337.016	336.629	0.388	4.000	336.936	-2.00	4.357	336.401	-150.00
-4.074	337.362	-150.00	-4.000	337.473	-2.00	69+0.000	337.553	337.135	0.418	4.000	337.473	-2.00	4.389	336.890	-150.00
-4.018	337.607	-150.00	-4.000	337.633	-2.00	70+0.000	337.713	337.345	0.368	4.000	337.633	-2.00	4.383	337.059	-150.00
-4.096	337.273	-150.00	-4.000	337.417	-2.00	71+0.000	337.497	337.052	0.445	4.000	337.417	-2.00	4.389	336.833	-150.00
-4.091	336.687	-150.00	-4.000	336.824	-2.00	72+0.000	336.904	336.489	0.415	4.000	336.824	-2.00	4.363	336.279	-150.00
-4.100	335.866	-150.00	-4.000	336.016	-2.00	73+0.000	336.096	335.681	0.415	4.000	336.016	-2.00	4.355	335.484	-150.00

Osvaldo Leôncio da Silveira Filho
Diretor da Unidade de Projetos
Projetos e Obras - DUPPO
Secretaria das Cidades (Secid)

-4.084	335.466	-150.00	-4.000	335.592	-2.00	74+0.000	335.672	335.304	0.368	4.000	335.592	-2.00	4.306	335.134	-150.00
-4.112	335.067	-150.00	-4.000	335.235	-2.00	75+0.000	335.315	334.917	0.399	4.000	335.235	-2.00	4.318	334.759	-150.00
-4.075	334.854	-150.00	-4.000	334.967	-2.00	76+0.000	335.047	334.678	0.369	4.000	334.967	-2.00	4.327	334.476	-150.00
-4.078	334.604	-150.00	-4.000	334.721	-2.00	77+0.000	334.801	334.390	0.411	4.000	334.721	-2.00	4.374	334.160	-150.00
-4.086	334.469	-150.00	-4.000	334.598	-2.00	78+0.000	334.678	334.259	0.419	4.000	334.598	-2.00	4.376	334.034	-150.00
-4.124	333.774	-150.00	-4.000	333.960	-2.00	79+0.000	334.040	333.641	0.399	4.000	333.960	-2.00	4.305	333.503	-150.00
-4.140	333.262	-150.00	-4.000	333.472	-2.00	80+0.000	333.552	333.129	0.423	4.000	333.472	-2.00	4.250	333.097	-150.00
-4.200	333.093	-150.00	-4.000	333.394	-2.00	81+0.000	333.474	333.059	0.414	4.000	333.394	-2.00	4.245	333.026	-150.00
-4.173	332.704	-150.00	-4.000	332.964	-2.00	82+0.000	333.044	332.620	0.424	4.000	332.964	-2.00	4.287	332.534	-150.00
-4.144	332.143	-150.00	-4.000	332.360	-2.00	83+0.000	332.440	332.073	0.367	4.000	332.360	-2.00	4.239	332.001	-150.00
-4.157	332.160	-150.00	-4.000	332.395	-2.00	84+0.000	332.475	332.091	0.385	4.000	332.395	-2.00	4.250	332.020	-150.00
-4.096	332.290	-150.00	-4.000	332.435	-2.00	85+0.000	332.515	332.154	0.361	4.000	332.435	-2.00	4.285	332.008	-150.00
-4.114	332.319	-150.00	-4.000	332.489	-2.00	86+0.000	332.569	332.142	0.427	4.000	332.489	-2.00	4.376	331.925	-150.00
-4.062	332.756	-150.00	-4.000	332.849	-2.00	87+0.000	332.929	332.560	0.369	4.000	332.849	-2.00	4.322	332.366	-150.00
-4.046	333.550	-150.00	-4.000	333.619	-2.00	88+0.000	333.699	333.337	0.362	4.000	333.619	-2.00	4.340	333.109	-150.00
-4.035	334.375	-150.00	-4.000	334.428	-2.00	89+0.000	334.508	334.119	0.388	4.000	334.428	-2.00	4.391	333.841	-150.00
-4.045	335.165	-150.00	-4.000	335.232	-2.00	90+0.000	335.312	334.885	0.427	4.000	335.232	-2.00	4.439	334.574	-150.00
-4.078	335.215	-150.00	-4.000	335.333	-2.00	91+0.000	335.413	334.950	0.463	4.000	335.333	-2.00	4.448	334.661	-150.00
-4.143	334.511	-150.00	-4.000	334.726	-2.00	92+0.000	334.806	334.265	0.540	4.000	334.726	-2.00	4.484	333.999	-150.00
-4.109	333.871	-150.00	-4.000	334.034	-2.00	93+0.000	334.114	333.615	0.500	4.000	334.034	-2.00	4.465	333.336	-150.00
-4.130	333.182	-150.00	-4.000	333.377	-2.00	94+0.000	333.457	333.023	0.434	4.000	333.377	-2.00	4.361	332.835	-150.00
-4.076	332.688	-150.00	-4.000	332.802	-2.00	95+0.000	332.882	332.490	0.392	4.000	332.802	-2.00	4.348	332.280	-150.00
-4.134	332.434	-150.00	-4.000	332.635	-2.00	96+0.000	332.715	332.305	0.410	4.000	332.635	-2.00	4.361	332.093	-150.00
-4.103	332.060	-150.00	-4.000	332.215	-2.00	97+0.000	332.295	331.908	0.387	4.000	332.215	-2.00	4.312	331.747	-150.00
-4.095	331.958	-150.00	-4.000	332.100	-2.00	98+0.000	332.180	331.844	0.336	4.000	332.100	-2.00	4.275	331.688	-150.00
-4.109	331.827	-150.00	-4.000	331.990	-2.00	99+0.000	332.070	331.678	0.392	4.000	331.990	-2.00	4.312	331.522	-150.00
-4.128	331.654	-150.00	-4.000	331.845	-2.00	100+0.000	331.925	331.524	0.401	4.000	331.845	-2.00	4.318	331.369	-150.00
-4.141	331.273	-150.00	-4.000	331.485	-2.00	101+0.000	331.565	331.151	0.414	4.000	331.485	-2.00	4.308	331.023	-150.00
-4.138	330.845	-150.00	-4.000	331.053	-2.00	102+0.000	331.133	330.723	0.409	4.000	331.053	-2.00	4.304	330.596	-150.00
-4.206	330.236	-150.00	-4.000	330.545	-2.00	103+0.000	330.625	330.146	0.478	4.000	330.545	-2.00	4.325	330.057	-150.00
-4.204	329.709	-150.00	-4.000	330.015	-2.00	104+0.000	330.095	329.623	0.472	4.000	330.015	-2.00	4.320	329.536	-150.00
-4.191	329.214	-150.00	-4.000	329.500	-2.00	105+0.000	329.580	329.139	0.441	4.000	329.500	-2.00	4.299	329.052	-150.00
-4.244	328.643	-150.00	-4.000	329.009	-2.00	106+0.000	329.089	328.553	0.536	4.000	329.009	-2.00	4.365	328.461	-150.00
-4.149	328.290	-150.00	-4.000	328.513	-2.00	107+0.000	328.593	328.185	0.408	4.000	328.513	-2.00	4.291	328.077	-150.00
-4.154	327.706	-150.00	-4.000	327.936	-2.00	108+0.000	328.016	327.583	0.434	4.000	327.936	-2.00	4.321	327.455	-150.00
-4.125	327.171	-150.00	-4.000	327.359	-2.00	109+0.000	327.439	327.030	0.409	4.000	327.359	-2.00	4.319	326.881	-150.00
-4.103	326.553	-150.00	-4.000	326.707	-2.00	110+0.000	326.787	326.397	0.390	4.000	326.707	-2.00	4.336	326.203	-150.00
-4.089	325.922	-150.00	-4.000	326.056	-2.00	111+0.000	326.136	325.722	0.414	4.000	326.056	-2.00	4.364	325.510	-150.00
-4.072	325.203	-150.00	-4.000	325.310	-2.00	112+0.000	325.390	324.991	0.399	4.000	325.310	-2.00	4.365	324.763	-150.00
-4.084	324.765	-150.00	-4.000	324.891	-2.00	113+0.000	324.971	324.572	0.399	4.000	324.891	-2.00	4.355	324.358	-150.00
-4.039	324.587	-150.00	-4.000	324.645	-2.00	114+0.000	324.725	324.399	0.327	4.000	324.645	-2.00	4.298	324.198	-150.00
-4.018	324.543	66.67	-4.000	324.531	-2.00	115+0.000	324.611	324.371	0.240	4.000	324.531	-2.00	4.227	324.190	-150.00
-4.062	324.740	66.67	-4.000	324.699	-2.00	116+0.000	324.779	324.565	0.214	4.000	324.699	-2.00	4.210	324.384	-150.00
-4.111	324.951	-150.00	-4.000	325.118	-2.00	117+0.000	325.198	324.846	0.352	4.000	325.118	-2.00	4.282	324.695	-150.00
-4.123	325.176	-150.00	-4.000	325.361	-2.00	118+0.000	325.441	325.078	0.362	4.000	325.361	-2.00	4.249	324.988	-150.00
-4.131	325.407	-150.00	-4.000	325.603	-2.00	119+0.000	325.683	325.332	0.351	4.000	325.603	-2.00	4.233	325.255	-150.00
-4.135	325.644	-150.00	-4.000	325.846	-2.00	120+0.000	325.926	325.569	0.358	4.000	325.846	-2.00	4.244	325.480	-150.00
-4.143	325.874	-150.00	-4.000	326.089	-2.00	121+0.000	326.169	325.786	0.383	4.000	326.089	-2.00	4.260	325.699	-150.00
-4.106	326.208	-150.00	-4.000	326.367	-2.00	122+0.000	326.447	326.066	0.381	4.000	326.367	-2.00	4.284	325.941	-150.00
-4.109	326.633	-150.00	-4.000	326.796	-2.00	123+0.000	326.876	326.493	0.384	4.000	326.796	-2.00	4.298	326.350	-150.00
-4.107	327.131	-150.00	-4.000	327.291	-2.00	124+0.000	327.371	326.973	0.398	4.000	327.291	-2.00	4.323	326.806	-150.00
-4.121	327.615	-150.00	-4.000	327.797	-2.00	125+0.000	327.877	327.461	0.416	4.000	327.797	-2.00	4.332	327.299	-150.00
-4.063	328.150	-150.00	-4.000	328.244	-2.00	126+0.000	328.324	327.954	0.370	4.000	328.244	-2.00	4.333	327.745	-150.00
-4.059	328.476	-150.00	-4.000	328.564	-2.00	127+0.000	328.644	328.273	0.371	4.000	328.564	-2.00	4.339	328.056	-150.00
-4.059	328.713	-150.00	-4.000	328.801	-2.00	128+0.000	328.881	328.485	0.396	4.000	328.801	-2.00	4.374	328.240	-150.00
-4.064	328.766	-150.00	-4.000	328.862	-2.00	129+0.000	328.942	328.541	0.402	4.000	328.862	-2.00	4.378	328.295	-150.00
-4.117	328.677	-150.00	-4.000	328.852	-2.00	130+0.000	328.932	328.530	0.402	4.000	328.852	-2.00	4.377	328.286	-150.00
-4.118	328.510	-150.00	-4.000	328.687	-2.00	131+0.000	328.767	328.364	0.403	4.000	328.687	-2.00	4.326	328.198	-150.00
-4.136	328.176	-150.00	-4.000	328.381	-2.00	132+0.000	328.461	328.011	0.450	4.000	328.381	-2.00	4.363	327.837	-150.00
-4.160	327.820	-150.00	-4.000	328.060	-2.00	133+0.000	328.140	327.658	0.481	4.000	328.060	-2.00	4.385	327.483	-150.00
-4.162	327.495	-150.00	-4.000	327.738	-2.00	134+0.000	327.818	327.316	0.502	4.000	327.738	-2.00	4.407	327.127	-150.00
-4.128	327.225	-150.00	-4.000	327.417	-2.00	135+0.000	327.497	327.052	0.444	4.000	327.417	-2.00	4.367	326.867	-150.00
-4.097	326.983	-150.00	-4.000	327.129	-2.00	136+0.000	327.209	326.811	0.398	4.000	327.129	-2.00	4.334	326.628	-150.00
-4.108	326.786	-150.00	-4.000	326.949	-2.00	137+0.000	327.029	326.633	0.396	4.000	326.949	-2.00	4.299	326.501	-150.00
-4.152	326.831	-150.00	-4.000	327.059	-2.00	138+0.000	327.139	326.707	0.432	4.000	327.059	-2.00	4.321	326.578	-150.00
-4.202	326.953	-150.00	-4.000	327.256	-2.00	139+0.000	327.336	326.879	0.456	4.000	327.256	-2.00	4.305	326.798	-150.00
-4.170	327.198	-150.00	-4.000	327.452	-2.00	140+0.000	327.532	327.136	0.396	4.000	327.452	-2.00	4.265	327.055	-150.00
-4.193	327.504	-150.00	-4.000	327.794	-2.00	141+0.000	327.874	327.459	0.414	4.000	327.794	-2.00	4.258	327.407	-150.00
-4.225	327.876	-150.00	-4.000	328.214	-2.00	142+0.000	328.294	327.831	0.463	4.000	328.214	-2.00	4.287	327.783	-150.00
-4.250	328.259	-150.00	-4.000	328.634	-2.00	143+0.000	328.714	328.220	0.494	4.000	328.634	-2.00	4.302	328.180	-150.00
-4.249	328.680	-150.00	-4.000	329.054	-2.00	144+0.000	329.134	328.644	0.489	4.000	329.054	-2.00	4.294	328.613	-150.00
-4.213	329.154	-150.00	-4.000	329.473	-2.00	145+0.000	329.553	329.123	0.431	4.000	329.473	-2.00	4.255	329.091	-150.00
-4.229	329.550	-150.00	-4.000	329.893	-2.00	146+0.000	329.973	329.543	0.431	4.000	329.893	-2.00	4.238	329.536	-150.00
-4.228	329.957	-150.00	-4.000	330.299	-2.00	147+0.000	330.379	329.946	0.433	4.000	330.299	-2.00	4.243	329.935	-150.00
-4.210	330.246	-150.00	-4.000	330.561	-2.00	148+0.000	330.641	330.232	0.409	4.000	330.561	-2.00	4.229	330.217	-150.00
-4.207	330.336	-150.00	-4.000	330.647	-2.00	149+0.000	330.727	330.321	0.406	4.000	330.647	-2.00	4.220	330.316	-150.00
-4.171	330.301	-150.00	-4.000	330.557	-2.00	150+0.000	330.637	330.298	0.339	4.000	330.557	-2.00	4.174	330.295	-150.00
-4.220	329.960	-150.00	-4.000	330.290	-2.00	151+0.000	330.370	329.940	0.431	4.000	330.290	-2.00	4.247	329.919	-150.00
-4.272	329.441	-150.00	-4.000	329.848	-2.00	152+0.000	329.928	329.429	0.499	4.000	329.848	-2.00	4.280	329.429	-150.00
-4.237	328.932	-150.00	-4.000	329.288	-2.00	153+0.000	329.368	328.936	0.433	4.000	329.288	-2.00	4.233	328.939	-150.00
-4.284	328.300	-150.00	-4.000	328.725	-2.00	154+0.000	328.805	328.293	0.513	4.000	328.725	-2.00	4.293	328.286	-150.00

Osvaldo Leôncio da Silv...
Diretor da Unidade de Projetos
Projetos e Obras - DUPRO
Secretaria das Cidades (Sedur)

-4.297	327.717	-150.00	-4.000	328.163	-2.00	155+0.000	328.243	327.728	0.515	4.000	328.163	-2.00	4.283	327.738	-150.00
-4.253	327.225	-150.00	-4.000	327.605	-2.00	156+0.000	327.685	327.222	0.463	4.000	327.605	-2.00	4.255	327.222	-150.00
-4.228	326.764	-150.00	-4.000	327.107	-2.00	157+0.000	327.187	326.780	0.407	4.000	327.107	-2.00	4.208	326.795	-150.00
-4.213	326.342	-150.00	-4.000	326.661	-2.00	158+0.000	326.741	326.354	0.387	4.000	326.661	-2.00	4.197	326.366	-150.00
-4.158	326.006	-150.00	-4.000	326.243	-2.00	159+0.000	326.323	326.020	0.303	4.000	326.243	-2.00	4.156	326.009	-150.00
-4.193	325.715	-150.00	-4.000	326.005	-2.00	160+0.000	326.085	325.696	0.389	4.000	326.005	-2.00	4.218	325.677	-150.00
-4.208	325.455	-150.00	-4.000	325.767	-2.00	161+0.000	325.847	325.438	0.408	4.000	325.767	-2.00	4.230	325.421	-150.00
-4.188	325.230	-150.00	-4.000	325.512	-2.00	162+0.000	325.592	325.187	0.405	4.000	325.512	-2.00	4.246	325.143	-150.00
-4.196	324.882	-150.00	-4.000	325.177	-2.00	163+0.000	325.257	324.843	0.414	4.000	325.177	-2.00	4.249	324.803	-150.00
-4.184	324.498	-150.00	-4.000	324.774	-2.00	164+0.000	324.854	324.453	0.400	4.000	324.774	-2.00	4.272	324.366	-150.00
-4.169	323.774	-150.00	-4.000	324.028	-2.00	165+0.000	324.108	323.700	0.408	4.000	324.028	-2.00	4.270	323.624	-150.00
-4.167	322.908	-150.00	-4.000	323.158	-2.00	166+0.000	323.238	322.825	0.413	4.000	323.158	-2.00	4.286	322.729	-150.00
-4.160	322.153	-150.00	-4.000	322.393	-2.00	167+0.000	322.473	322.049	0.424	4.000	322.393	-2.00	4.299	321.944	-150.00
-4.132	321.540	-150.00	-4.000	321.738	-2.00	168+0.000	321.818	321.410	0.408	4.000	321.738	-2.00	4.309	321.275	-150.00
-4.138	320.987	-150.00	-4.000	321.194	-2.00	169+0.000	321.274	320.847	0.427	4.000	321.194	-2.00	4.329	320.700	-150.00
-4.126	320.553	-150.00	-4.000	320.742	-2.00	170+0.000	320.822	320.404	0.418	4.000	320.742	-2.00	4.329	320.248	-150.00
-4.114	319.996	-150.00	-4.000	320.167	-2.00	171+0.000	320.247	319.822	0.425	4.000	320.167	-2.00	4.350	319.643	-150.00
-4.119	319.338	-150.00	-4.000	319.516	-2.00	172+0.000	319.596	319.185	0.411	4.000	319.516	-2.00	4.344	319.000	-150.00
-4.110	318.284	-150.00	-4.000	318.449	-2.00	173+0.000	318.529	318.117	0.412	4.000	318.449	-2.00	4.339	317.941	-150.00
-4.155	316.967	-150.00	-4.000	317.200	-2.00	174+0.000	317.280	316.861	0.420	4.000	317.200	-2.00	4.305	316.743	-150.00
-4.152	315.724	-150.00	-4.000	315.952	-2.00	175+0.000	316.032	315.616	0.415	4.000	315.952	-2.00	4.297	315.506	-150.00
-4.141	314.677	-150.00	-4.000	314.888	-2.00	176+0.000	314.968	314.554	0.414	4.000	314.888	-2.00	4.307	314.427	-150.00
-4.169	313.958	-150.00	-4.000	314.212	-2.00	177+0.000	314.292	313.851	0.441	4.000	314.212	-2.00	4.307	313.751	-150.00
-4.118	314.526	-150.00	-4.000	314.704	-2.00	178+0.000	314.784	314.396	0.388	4.000	314.704	-2.00	4.296	314.260	-150.00
-4.069	315.481	-150.00	-4.000	315.586	-2.00	179+0.000	315.666	315.290	0.375	4.000	315.586	-2.00	4.332	315.087	-150.00
-4.017	317.154	-150.00	-4.000	317.179	-2.00	180+0.000	317.259	316.947	0.312	4.000	317.179	-2.00	4.303	316.725	-150.00
-4.155	318.999	66.67	-4.000	318.896	-2.00	181+0.000	318.976	318.649	0.327	4.000	318.896	-2.00	4.407	318.285	-150.00
-4.171	320.627	66.67	-4.000	320.514	-2.00	182+0.000	320.594	320.246	0.348	4.000	320.514	-2.00	4.450	319.838	-150.00
-4.136	322.380	66.67	-4.000	322.289	-2.00	183+0.000	322.369	321.970	0.399	4.000	322.289	-2.00	4.511	321.523	-150.00
-4.044	323.531	66.67	-4.000	323.502	-2.00	184+0.000	323.582	323.152	0.429	4.000	323.502	-2.00	4.515	322.729	-150.00
-4.073	324.755	66.67	-4.000	324.706	-2.00	185+0.000	324.786	324.404	0.382	4.000	324.706	-2.00	4.462	324.013	-150.00
-4.067	325.698	66.67	-4.000	325.653	-2.00	186+0.000	325.733	325.355	0.378	4.000	325.653	-2.00	4.461	324.962	-150.00
-4.106	326.680	66.67	-4.000	326.609	-2.00	187+0.000	326.689	326.349	0.341	4.000	326.609	-2.00	4.411	325.993	-150.00
-4.168	328.037	66.67	-4.000	327.925	-2.00	188+0.000	328.005	327.685	0.319	4.000	327.925	-2.00	4.406	327.315	-150.00
-4.116	329.344	66.67	-4.000	329.266	-2.00	189+0.000	329.346	329.053	0.294	4.000	329.266	-2.00	4.361	328.724	-150.00
-4.129	330.694	66.67	-4.000	330.608	-2.00	190+0.000	330.688	330.378	0.310	4.000	330.608	-2.00	4.377	330.043	-150.00
-4.038	331.975	66.67	-4.000	331.950	-2.00	191+0.000	332.030	331.669	0.361	4.000	331.950	-2.00	4.410	331.335	-150.00
-4.048	333.021	-150.00	-4.000	333.092	-2.00	192+0.000	333.172	332.787	0.386	4.000	333.092	-2.00	4.372	332.534	-150.00
-4.060	333.867	-150.00	-4.000	333.958	-2.00	193+0.000	334.038	333.646	0.392	4.000	333.958	-2.00	4.367	333.408	-150.00
-4.073	334.398	-150.00	-4.000	334.508	-2.00	194+0.000	334.588	334.198	0.390	4.000	334.508	-2.00	4.383	333.933	-150.00
-4.091	334.576	-150.00	-4.000	334.713	-2.00	195+0.000	334.793	334.413	0.380	4.000	334.713	-2.00	4.315	334.241	-150.00
-4.076	334.748	-150.00	-4.000	334.862	-2.00	196+0.000	334.942	334.548	0.393	4.000	334.862	-2.00	4.351	334.336	-150.00
-4.130	334.891	-150.00	-4.000	335.086	-2.00	197+0.000	335.166	334.772	0.394	4.000	335.086	-2.00	4.290	334.651	-150.00
-4.134	335.241	-150.00	-4.000	335.443	-2.00	198+0.000	335.523	335.140	0.383	4.000	335.443	-2.00	4.271	335.036	-150.00
-4.145	335.515	-150.00	-4.000	335.733	-2.00	199+0.000	335.813	335.398	0.414	4.000	335.733	-2.00	4.304	335.277	-150.00
-4.143	335.587	-150.00	-4.000	335.802	-2.00	200+0.000	335.882	335.485	0.398	4.000	335.802	-2.00	4.283	335.378	-150.00
-4.165	335.482	-150.00	-4.000	335.730	-2.00	201+0.000	335.810	335.389	0.421	4.000	335.730	-2.00	4.292	335.292	-150.00
-4.146	335.435	-150.00	-4.000	335.654	-2.00	202+0.000	335.734	335.345	0.390	4.000	335.654	-2.00	4.268	335.252	-150.00
-4.151	335.428	-150.00	-4.000	335.654	-2.00	203+0.000	335.734	335.347	0.388	4.000	335.654	-2.00	4.261	335.262	-150.00
-4.174	335.620	-150.00	-4.000	335.880	-2.00	204+0.000	335.960	335.558	0.403	4.000	335.880	-2.00	4.257	335.495	-150.00
-4.166	336.087	-150.00	-4.000	336.336	-2.00	205+0.000	336.416	336.018	0.398	4.000	336.336	-2.00	4.255	335.953	-150.00
-4.172	336.631	-150.00	-4.000	336.889	-2.00	206+0.000	336.969	336.581	0.388	4.000	336.889	-2.00	4.239	336.530	-150.00
-4.167	337.447	-150.00	-4.000	337.697	-2.00	207+0.000	337.777	337.436	0.341	4.000	337.697	-2.00	4.191	337.410	-150.00
-4.246	338.245	-150.00	-4.000	338.615	-2.00	208+0.000	338.695	338.300	0.395	4.000	338.615	-2.00	4.174	338.354	-150.00
-4.240	339.210	-150.00	-4.000	339.570	-2.00	209+0.000	339.650	339.323	0.327	4.000	339.570	-2.00	4.092	339.432	-150.00
-4.263	339.969	-150.00	-4.000	340.364	-2.00	210+0.000	340.444	340.073	0.371	4.000	340.364	-2.00	4.127	340.173	-150.00
-4.312	340.494	-150.00	-4.000	340.962	-2.00	211+0.000	341.042	340.598	0.444	4.000	340.962	-2.00	4.172	340.704	-150.00
-4.369	340.812	-150.00	-4.000	341.365	-2.00	212+0.000	341.445	340.926	0.519	4.000	341.365	-2.00	4.219	341.036	-150.00
-4.485	340.847	-150.00	-4.000	341.574	-2.00	213+0.000	341.654	340.990	0.663	4.000	341.574	-2.00	4.290	341.139	-150.00
-4.441	340.926	-150.00	-4.000	341.587	-2.00	214+0.000	341.667	341.091	0.576	4.000	341.587	-2.00	4.226	341.247	-150.00
-4.383	340.831	-150.00	-4.000	341.405	-2.00	215+0.000	341.485	340.968	0.518	4.000	341.405	-2.00	4.204	341.099	-150.00
-4.309	340.659	-150.00	-4.000	341.123	-2.00	216+0.000	341.203	340.769	0.434	4.000	341.123	-2.00	4.165	340.875	-150.00
-4.305	340.383	-150.00	-4.000	340.840	-2.00	217+0.000	340.920	340.487	0.433	4.000	340.840	-2.00	4.170	340.586	-150.00
-4.216	340.162	-150.00	-4.000	340.486	-2.00	218+0.000	340.566	340.173	0.393	4.000	340.486	-2.00	4.212	340.168	-150.00
-4.224	339.748	-150.00	-4.000	340.084	-2.00	219+0.000	340.164	339.741	0.423	4.000	340.084	-2.00	4.233	339.734	-150.00
-4.301	339.230	-150.00	-4.000	339.682	-2.00	220+0.000	339.762	339.200	0.562	4.000	339.682	-2.00	4.346	339.163	-150.00
-4.320	338.801	-150.00	-4.000	339.281	-2.00	221+0.000	339.361	338.784	0.577	4.000	339.281	-2.00	4.343	338.766	-150.00
-4.226	338.540	-150.00	-4.000	338.879	-2.00	222+0.000	338.959	338.515	0.444	4.000	338.879	-2.00	4.263	338.484	-150.00
-4.175	338.287	-150.00	-4.000	338.550	-2.00	223+0.000	338.630	338.234	0.395	4.000	338.550	-2.00	4.246	338.181	-150.00
-4.185	338.162	-150.00	-4.000	338.439	-2.00	224+0.000	338.519	338.164	0.356	4.000	338.439	-2.00	4.162	338.196	-150.00
-4.152	338.101	-150.00	-4.000	338.329	-2.00	225+0.000	338.409	338.094	0.315	4.000	338.329	-2.00	4.172	338.072	-150.00
-4.098	338.072	-150.00	-4.000	338.219	-2.00	226+0.000	338.299	338.084	0.215	4.000	338.219	-2.00	4.082	338.096	-150.00
-4.216	337.785	-150.00	-4.000	338.109	-2.00	227+0.000	338.189	337.856	0.332	4.000	338.109	-2.00	4.122	337.926	-150.00
-4.272	337.581	-150.00	-4.000	337.989	-2.00	228+0.000	338.069	337.673	0.396	4.000	337.989	-2.00	4.150	337.765	-150.00
-4.274	337.419	-150.00	-4.000	337.829	-2.00	229+0.000	337.909	337.506	0.403	4.000	337.829	-2.00	4.159	337.591	-150.00
-4.280	337.238	-150.00	-4.000	337.658	-2.00	230+0.000	337.738	337.331	0.407	4.000	337.658	-2.00	4.167	337.407	-150.00
-4.291	336.824	-150.00	-4.000	337.261	-2.00	231+0.000	337.341	336.933	0.407	4.000	337.261	-2.00	4.148	337.038	-150.00
-4.288	336.420	-150.00	-4.000	336.852	-2.00	232+0.000	336.932	336.530	0.402	4.000	336.852	-2.00	4.144	336.637	-150.00
-4.271	336.121	-150.00	-4.000	336.528	-2.00	233+0.000	336.608	336.213	0.395	4.000	336.528	-2.00	4.151	336.302	-150.00
-4.281	335.946	-150.00	-4.000	336.367	-2.00	234+0.000	336.447	336.041	0.406	4.000	336.367	-2.00	4.155	336.134	-150.00
-4.255	335.985	-150.00	-4.000	336.368	-2.00	235+0.000	336.448	336.076	0.372	4.000	336.368	-2.00	4.136	336.165	-150.00

Osvaldo Leôncio da Silveira Filho
Diretor da Unidade de Projetos
Projetos e Obras - DUPPO
Secretaria das Cidades (Secid)

-4.270	336.070	-150.00	-4.000	336.475	-2.00	236+0.000	336.555	336.179	0.376	4.000	336.475	-2.00	4.135	336.272	-150.00
-4.253	336.203	-150.00	-4.000	336.584	-2.00	237+0.000	336.664	336.307	0.357	4.000	336.584	-2.00	4.130	336.389	-150.00
-4.241	336.331	-150.00	-4.000	336.692	-2.00	238+0.000	336.772	336.439	0.333	4.000	336.692	-2.00	4.116	336.518	-150.00
-4.236	336.447	-150.00	-4.000	336.801	-2.00	239+0.000	336.881	336.552	0.329	4.000	336.801	-2.00	4.098	336.654	-150.00
-4.272	336.502	-150.00	-4.000	336.910	-2.00	240+0.000	336.990	336.612	0.378	4.000	336.910	-2.00	4.128	336.718	-150.00
-4.281	336.658	-150.00	-4.000	337.079	-2.00	241+0.000	337.159	336.806	0.353	4.000	337.079	-2.00	4.088	336.947	-150.00
-4.306	336.816	-150.00	-4.000	337.275	-2.00	242+0.000	337.355	336.964	0.390	4.000	337.275	-2.00	4.113	337.105	-150.00
-4.320	336.991	-150.00	-4.000	337.470	-2.00	243+0.000	337.550	337.138	0.412	4.000	337.470	-2.00	4.128	337.279	-150.00
-4.258	337.285	-150.00	-4.000	337.672	-2.00	244+0.000	337.752	337.358	0.394	4.000	337.672	-2.00	4.162	337.430	-150.00
-4.265	337.555	-150.00	-4.000	337.952	-2.00	245+0.000	338.032	337.638	0.394	4.000	337.952	-2.00	4.157	337.716	-150.00
-4.276	337.773	-150.00	-4.000	338.187	-2.00	246+0.000	338.267	337.851	0.416	4.000	338.187	-2.00	4.173	337.927	-150.00
-4.247	337.938	-150.00	-4.000	338.309	-2.00	247+0.000	338.389	338.010	0.379	4.000	338.309	-2.00	4.153	338.080	-150.00
-4.274	337.919	-150.00	-4.000	338.330	-2.00	248+0.000	338.410	338.000	0.410	4.000	338.330	-2.00	4.167	338.079	-150.00
-4.266	337.855	-150.00	-4.000	338.254	-2.00	249+0.000	338.334	337.933	0.401	4.000	338.254	-2.00	4.169	338.001	-150.00
-4.244	337.709	-150.00	-4.000	338.076	-2.00	250+0.000	338.156	337.777	0.378	4.000	338.076	-2.00	4.154	337.845	-150.00
-4.263	337.484	-150.00	-4.000	337.878	-2.00	251+0.000	337.958	337.573	0.384	4.000	337.878	-2.00	4.145	337.661	-150.00
-4.262	337.274	-150.00	-4.000	337.666	-2.00	252+0.000	337.746	337.366	0.380	4.000	337.666	-2.00	4.137	337.461	-150.00
-4.255	337.055	-150.00	-4.000	337.437	-2.00	253+0.000	337.517	337.159	0.358	4.000	337.437	-2.00	4.118	337.259	-150.00
-4.300	336.749	-150.00	-4.000	337.199	-2.00	254+0.000	337.279	336.860	0.420	4.000	337.199	-2.00	4.155	336.967	-150.00
-4.298	336.375	-150.00	-4.000	336.822	-2.00	255+0.000	336.902	336.488	0.414	4.000	336.822	-2.00	4.146	336.602	-150.00
-4.296	335.933	-150.00	-4.000	336.377	-2.00	256+0.000	336.457	336.050	0.407	4.000	336.377	-2.00	4.143	336.163	-150.00
-4.307	335.471	-150.00	-4.000	335.932	-2.00	257+0.000	336.012	335.586	0.426	4.000	335.932	-2.00	4.157	335.696	-150.00
-4.295	335.045	-150.00	-4.000	335.487	-2.00	258+0.000	335.567	335.154	0.413	4.000	335.487	-2.00	4.160	335.247	-150.00
-4.276	334.628	-150.00	-4.000	335.042	-2.00	259+0.000	335.122	334.722	0.400	4.000	335.042	-2.00	4.152	334.814	-150.00
-4.270	334.513	-150.00	-4.000	334.918	-2.00	260+0.000	334.998	334.597	0.401	4.000	334.918	-2.00	4.159	334.680	-150.00
-4.277	334.445	-150.00	-4.000	334.861	-2.00	261+0.000	334.941	334.530	0.411	4.000	334.861	-2.00	4.174	334.600	-150.00
-4.265	334.323	-150.00	-4.000	334.720	-2.00	262+0.000	334.800	334.368	0.432	4.000	334.720	-2.00	4.205	334.413	-150.00
-4.239	334.210	-150.00	-4.000	334.568	-2.00	263+0.000	334.648	334.238	0.411	4.000	334.568	-2.00	4.203	334.265	-150.00
-4.260	333.936	-150.00	-4.000	334.326	-2.00	264+0.000	334.406	333.983	0.423	4.000	334.326	-2.00	4.201	334.024	-150.00
-4.244	333.318	-150.00	-4.000	333.684	-2.00	265+0.000	333.764	333.369	0.395	4.000	333.684	-2.00	4.175	333.421	-150.00
-4.234	332.686	-150.00	-4.000	333.037	-2.00	266+0.000	333.117	332.761	0.356	4.000	333.037	-2.00	4.136	332.833	-150.00
-4.231	332.043	-150.00	-4.000	332.389	-2.00	267+0.000	332.469	332.124	0.346	4.000	332.389	-2.00	4.129	332.197	-150.00
-4.273	331.333	-150.00	-4.000	331.742	-2.00	268+0.000	331.822	331.421	0.401	4.000	331.742	-2.00	4.156	331.507	-150.00
-4.261	330.751	-150.00	-4.000	331.143	-2.00	269+0.000	331.223	330.794	0.429	4.000	331.143	-2.00	4.204	330.836	-150.00
-4.245	330.002	-150.00	-4.000	330.369	-2.00	270+0.000	330.449	330.029	0.420	4.000	330.369	-2.00	4.214	330.048	-150.00
-4.179	329.343	-150.00	-4.000	329.611	-2.00	271+0.000	329.691	329.300	0.391	4.000	329.611	-2.00	4.222	329.278	-150.00
-4.165	328.737	-150.00	-4.000	328.985	-2.00	272+0.000	329.065	328.659	0.405	4.000	328.985	-2.00	4.267	328.584	-150.00
-4.153	328.251	-150.00	-4.000	328.480	-2.00	273+0.000	328.560	328.150	0.410	4.000	328.480	-2.00	4.290	328.046	-150.00
-4.188	327.747	-150.00	-4.000	328.029	-2.00	274+0.000	328.109	327.630	0.478	4.000	328.029	-2.00	4.307	327.568	-150.00
-4.190	327.292	-150.00	-4.000	327.577	-2.00	275+0.000	327.657	327.234	0.423	4.000	327.577	-2.00	4.269	327.174	-150.00
-4.159	326.887	-150.00	-4.000	327.126	-2.00	276+0.000	327.206	326.800	0.406	4.000	327.126	-2.00	4.259	326.737	-150.00
-4.171	326.418	-150.00	-4.000	326.675	-2.00	277+0.000	326.755	326.341	0.414	4.000	326.675	-2.00	4.241	326.314	-150.00
-4.191	325.938	-150.00	-4.000	326.224	-2.00	278+0.000	326.304	325.913	0.390	4.000	326.224	-2.00	4.223	325.889	-150.00
-4.222	325.641	-150.00	-4.000	325.974	-2.00	279+0.000	326.054	325.640	0.413	4.000	325.974	-2.00	4.223	325.639	-150.00
-4.259	325.456	-150.00	-4.000	325.844	-2.00	280+0.000	325.924	325.448	0.476	4.000	325.844	-2.00	4.267	325.443	-150.00
-4.270	325.310	-150.00	-4.000	325.715	-2.00	281+0.000	325.795	325.318	0.477	4.000	325.715	-2.00	4.244	325.349	-150.00
-4.263	325.192	-150.00	-4.000	325.585	-2.00	282+0.000	325.665	325.224	0.441	4.000	325.585	-2.00	4.220	325.256	-150.00
-4.248	325.084	-150.00	-4.000	325.456	-2.00	283+0.000	325.536	325.127	0.409	4.000	325.456	-2.00	4.191	325.170	-150.00
-4.236	324.942	-150.00	-4.000	325.296	-2.00	284+0.000	325.376	324.971	0.405	4.000	325.296	-2.00	4.198	325.000	-150.00
-4.233	324.713	-150.00	-4.000	325.062	-2.00	285+0.000	325.142	324.743	0.399	4.000	325.062	-2.00	4.172	324.804	-150.00
-4.252	324.540	-150.00	-4.000	324.918	-2.00	286+0.000	324.998	324.599	0.400	4.000	324.918	-2.00	4.175	324.656	-150.00
-4.249	324.455	-150.00	-4.000	324.829	-2.00	287+0.000	324.909	324.514	0.395	4.000	324.829	-2.00	4.171	324.572	-150.00
-4.251	324.363	-150.00	-4.000	324.739	-2.00	288+0.000	324.819	324.420	0.399	4.000	324.739	-2.00	4.175	324.476	-150.00
-4.262	324.278	-150.00	-4.000	324.671	-2.00	289+0.000	324.751	324.358	0.393	4.000	324.671	-2.00	4.151	324.444	-150.00
-4.283	324.286	-150.00	-4.000	324.710	-2.00	290+0.000	324.790	324.393	0.397	4.000	324.710	-2.00	4.143	324.496	-150.00
-4.277	324.278	-150.00	-4.000	324.695	-2.00	291+0.000	324.775	324.375	0.400	4.000	324.695	-2.00	4.139	324.486	-150.00
-4.310	324.251	-150.00	-4.000	324.716	-2.00	292+0.000	324.796	324.398	0.397	4.000	324.716	-2.00	4.118	324.539	-150.00
-4.266	324.172	-150.00	-4.000	324.571	-2.00	293+0.000	324.651	324.307	0.344	4.000	324.571	-2.00	4.089	324.438	-150.00
-4.232	324.020	-150.00	-4.000	324.368	-2.00	294+0.000	324.448	324.176	0.272	4.000	324.368	-2.00	4.029	324.324	-150.00
-4.313	323.696	-150.00	-4.000	324.165	-2.00	295+0.000	324.245	323.868	0.377	4.000	324.165	-2.00	4.096	324.021	-150.00
-4.312	323.476	-150.00	-4.000	323.944	-2.00	296+0.000	324.024	323.633	0.391	4.000	323.944	-2.00	4.100	323.793	-150.00
-4.289	323.355	-150.00	-4.000	323.789	-2.00	297+0.000	323.869	323.524	0.345	4.000	323.789	-2.00	4.114	323.618	-150.00
-4.253	323.402	-150.00	-4.000	323.781	-2.00	298+0.000	323.861	323.477	0.384	4.000	323.781	-2.00	4.154	323.550	-150.00
-4.267	323.401	-150.00	-4.000	323.802	-2.00	299+0.000	323.882	323.490	0.392	4.000	323.802	-2.00	4.142	323.589	-150.00
-4.274	323.488	-150.00	-4.000	323.899	-2.00	300+0.000	323.979	323.591	0.388	4.000	323.899	-2.00	4.139	323.690	-150.00
-4.280	323.572	-150.00	-4.000	323.992	-2.00	301+0.000	324.072	323.672	0.400	4.000	323.992	-2.00	4.153	323.763	-150.00
-4.281	323.601	-150.00	-4.000	324.022	-2.00	302+0.000	324.102	323.708	0.393	4.000	324.022	-2.00	4.140	323.812	-150.00
-4.279	323.556	-150.00	-4.000	323.975	-2.00	303+0.000	324.055	323.652	0.402	4.000	323.975	-2.00	4.146	323.756	-150.00
-4.285	323.460	-150.00	-4.000	323.887	-2.00	304+0.000	323.967	323.570	0.397	4.000	323.887	-2.00	4.141	323.675	-150.00
-4.297	323.313	-150.00	-4.000	323.759	-2.00	305+0.000	323.839	323.414	0.425	4.000	323.759	-2.00	4.150	323.535	-150.00
-4.287	323.069	-150.00	-4.000	323.500	-2.00	306+0.000	323.580	323.194	0.386	4.000	323.500	-2.00	4.124	323.314	-150.00
-4.291	322.670	-150.00	-4.000	323.107	-2.00	307+0.000	323.187	322.781	0.405	4.000	323.107	-2.00	4.158	322.870	-150.00
-4.291	322.142	-150.00	-4.000	322.578	-2.00	308+0.000	322.658	322.228	0.430	4.000	322.578	-2.00	4.177	322.312	-150.00
-4.296	321.520	-150.00	-4.000	321.963	-2.00	309+0.000	322.043	321.600	0.444	4.000	321.963	-2.00	4.214	321.643	-150.00
-4.301	320.895	-150.00	-4.000	321.347	-2.00	310+0.000	321.427	320.924	0.502	4.000	321.347	-2.00	4.252	320.969	-150.00
-4.295	320.288	-150.00	-4.000	320.730	-2.00	311+0.000	320.810	320.304	0.506	4.000	320.730	-2.00	4.277	320.315	-150.00
-4.351	319.587	-150.00	-4.000	320.113	-2.00	312+0.000	320.193	319.571	0.623	4.000	320.113	-2.00	4.354	319.583	-150.00
-4.265	319.100	-150.00	-4.000	319.497	-2.00	313+0.000	319.577	319.051	0.526	4.000	319.497	-2.00	4.330	319.002	-150.00
-4.304	318.424	-150.00	-4.000	318.880	-2.00	314+0.000	318.960	318.409	0.551	4.000	318.880	-2.00	4.323	318.396	-150.00
-4.227	317.922	-150.00	-4.000	318.263	-2.00	315+0.000	318.343	317.893	0.450	4.000	318.263	-2.00	4.252	317.885	-150.00
-4.160	317.566	-150.00	-4.000	317.806	-2.00	316+0.000	317.886	317.502	0.384	4.000	317.806	-2.00	4.295	317.365	-150.00

Osvaldo Leônco da Silv
Diretor da Unidade de
Projetos e Obras
Secretaria

-4.161	317.326	-150.00	-4.000	317.568	-2.00	317+0.000	317.648	317.171	0.476	4.000	317.568	-2.00	4.373	317.009	-150.00
-4.203	317.024	-150.00	-4.000	317.329	-2.00	318+0.000	317.409	316.865	0.544	4.000	317.329	-2.00	4.421	316.697	-150.00
-4.230	316.746	-150.00	-4.000	317.090	-2.00	319+0.000	317.170	316.678	0.493	4.000	317.090	-2.00	4.290	316.655	-150.00
-4.184	316.576	-150.00	-4.000	316.852	-2.00	320+0.000	316.932	316.476	0.456	4.000	316.852	-2.00	4.308	316.389	-150.00
-4.129	316.419	-150.00	-4.000	316.613	-2.00	321+0.000	316.693	316.311	0.382	4.000	316.613	-2.00	4.276	316.198	-150.00
-4.146	316.167	-150.00	-4.000	316.386	-2.00	322+0.000	316.466	316.100	0.366	4.000	316.386	-2.00	4.206	316.077	-150.00
-4.122	316.003	-150.00	-4.000	316.186	-2.00	323+0.000	316.266	316.062	0.204	4.000	316.186	-2.00	4.042	316.123	-150.00
-4.144	315.770	-150.00	-4.000	315.986	-2.00	324+0.000	316.066	315.795	0.271	4.000	315.986	-2.00	4.110	315.822	-150.00
-4.229	315.442	-150.00	-4.000	315.786	-2.00	325+0.000	315.866	315.503	0.363	4.000	315.786	-2.00	4.148	315.563	-150.00
-4.241	315.200	-150.00	-4.000	315.562	-2.00	326+0.000	315.642	315.268	0.374	4.000	315.562	-2.00	4.152	315.334	-150.00
-4.181	315.022	-150.00	-4.000	315.294	-2.00	327+0.000	315.374	315.092	0.282	4.000	315.294	-2.00	4.075	315.182	-150.00
-4.206	314.874	-150.00	-4.000	315.184	-2.00	328+0.000	315.264	314.980	0.283	4.000	315.184	-2.00	4.076	315.070	-150.00
-4.309	314.767	-150.00	-4.000	315.230	-2.00	329+0.000	315.310	314.876	0.434	4.000	315.230	-2.00	4.161	314.989	-150.00
-4.311	314.968	-150.00	-4.000	315.434	-2.00	330+0.000	315.514	315.073	0.440	4.000	315.434	-2.00	4.172	315.176	-150.00
-4.320	315.314	-150.00	-4.000	315.795	-2.00	331+0.000	315.875	315.450	0.425	4.000	315.795	-2.00	4.143	315.580	-150.00
-4.236	315.959	-150.00	-4.000	316.313	-2.00	332+0.000	316.393	316.050	0.342	4.000	316.313	-2.00	4.116	316.138	-150.00
-4.224	316.610	-150.00	-4.000	316.947	-2.00	333+0.000	317.027	316.733	0.294	4.000	316.947	-2.00	4.077	316.832	-150.00
-4.247	317.216	-150.00	-4.000	317.587	-2.00	334+0.000	317.667	317.392	0.275	4.000	317.587	-2.00	4.043	317.522	-150.00
-4.291	317.791	-150.00	-4.000	318.227	-2.00	335+0.000	318.307	317.951	0.356	4.000	318.227	-2.00	4.082	318.104	-150.00
-4.318	318.425	-150.00	-4.000	318.902	-2.00	336+0.000	318.982	318.596	0.385	4.000	318.902	-2.00	4.093	318.762	-150.00
-4.324	319.140	-150.00	-4.000	319.627	-2.00	337+0.000	319.707	319.322	0.385	4.000	319.627	-2.00	4.086	319.498	-150.00
-4.330	319.957	-150.00	-4.000	320.453	-2.00	338+0.000	320.533	320.144	0.389	4.000	320.453	-2.00	4.088	320.321	-150.00
-4.334	320.626	-150.00	-4.000	321.127	-2.00	339+0.000	321.207	320.834	0.374	4.000	321.127	-2.00	4.080	321.008	-150.00
-4.280	321.078	-150.00	-4.000	321.498	-2.00	340+0.000	321.578	321.282	0.296	4.000	321.498	-2.00	4.016	321.474	-150.00
-4.357	321.211	-150.00	-4.000	321.746	-2.00	341+0.000	321.826	321.369	0.457	4.000	321.746	-2.00	4.172	321.489	-150.00
-4.335	321.111	-150.00	-4.000	321.614	-2.00	342+0.000	321.694	321.231	0.464	4.000	321.614	-2.00	4.179	321.346	-150.00
-4.247	320.918	-150.00	-4.000	321.288	-2.00	343+0.000	321.368	321.035	0.333	4.000	321.288	-2.00	4.093	321.149	-150.00
-4.181	320.432	-150.00	-4.000	320.703	-2.00	344+0.000	320.783	320.464	0.319	4.000	320.703	-2.00	4.109	320.539	-150.00
-4.130	319.666	-150.00	-4.000	319.860	-2.00	345+0.000	319.940	319.681	0.259	4.000	319.860	-2.00	4.121	319.679	-150.00
-4.227	318.419	-150.00	-4.000	318.759	-2.00	346+0.000	318.839	318.400	0.439	4.000	318.759	-2.00	4.252	318.381	-150.00
-4.183	317.205	-150.00	-4.000	317.479	-2.00	347+0.000	317.559	317.203	0.356	4.000	317.479	-2.00	4.186	317.200	-150.00
-4.151	316.176	-150.00	-4.000	316.403	-2.00	348+0.000	316.483	316.139	0.343	4.000	316.403	-2.00	4.202	316.100	-150.00
-4.143	315.481	-150.00	-4.000	315.695	-2.00	349+0.000	315.775	315.483	0.292	4.000	315.695	-2.00	4.142	315.482	-150.00
-4.252	314.935	-150.00	-4.000	315.313	-2.00	350+0.000	315.393	314.994	0.399	4.000	315.313	-2.00	4.190	315.029	-150.00
-4.237	314.625	-150.00	-4.000	314.981	-2.00	351+0.000	315.061	314.711	0.350	4.000	314.981	-2.00	4.142	314.768	-150.00
-4.293	314.209	-150.00	-4.000	314.648	-2.00	352+0.000	314.728	314.323	0.406	4.000	314.648	-2.00	4.124	314.462	-150.00
-4.332	314.017	-150.00	-4.000	314.515	-2.00	353+0.000	314.595	314.197	0.399	4.000	314.515	-2.00	4.098	314.369	-150.00
-4.335	313.999	-150.00	-4.000	314.501	-2.00	354+0.000	314.581	314.184	0.397	4.000	314.501	-2.00	4.095	314.359	-150.00
-4.349	314.046	-150.00	-4.000	314.570	-2.00	355+0.000	314.650	314.265	0.384	4.000	314.570	-2.00	4.065	314.472	-150.00
-4.358	314.259	-150.00	-4.000	314.795	-2.00	356+0.000	314.875	314.477	0.398	4.000	314.795	-2.00	4.076	314.681	-150.00
-4.389	314.585	-150.00	-4.000	315.169	-2.00	357+0.000	315.249	314.872	0.376	4.000	315.169	-2.00	4.022	315.136	-150.00
-4.415	315.147	-150.00	-4.000	315.769	-2.00	358+0.000	315.849	315.455	0.394	4.000	315.769	-2.00	4.022	315.736	-150.00
-4.379	315.935	-150.00	-4.000	316.503	-2.00	359+0.000	316.583	316.193	0.390	4.000	316.503	-2.00	4.061	316.411	-150.00
-4.363	316.526	-150.00	-4.000	317.071	-2.00	360+0.000	317.151	316.759	0.392	4.000	317.071	-2.00	4.063	316.976	-150.00
-4.380	317.062	-150.00	-4.000	317.632	-2.00	361+0.000	317.712	317.326	0.386	4.000	317.632	-2.00	4.047	317.561	-150.00
-4.461	317.363	-150.00	-4.000	318.054	-2.00	362+0.000	318.134	317.721	0.413	4.000	318.054	-2.00	4.008	318.042	-150.00
-4.430	317.586	-150.00	-4.000	318.231	-2.00	363+0.000	318.311	317.913	0.398	4.000	318.231	-2.00	4.064	318.136	-150.00
-4.383	317.343	-150.00	-4.000	317.918	-2.00	364+0.000	317.998	317.585	0.414	4.000	317.918	-2.00	4.073	317.809	-150.00
-4.435	316.829	-150.00	-4.000	317.482	-2.00	365+0.000	317.562	317.110	0.452	4.000	317.482	-2.00	4.087	317.351	-150.00
-4.471	316.317	-150.00	-4.000	317.024	-2.00	366+0.000	317.104	316.641	0.463	4.000	317.024	-2.00	4.059	316.935	-150.00
-4.475	315.951	-150.00	-4.000	316.664	-2.00	367+0.000	316.744	316.289	0.455	4.000	316.664	-2.00	4.067	316.564	-150.00
-4.466	315.747	-150.00	-4.000	316.446	-2.00	368+0.000	316.526	316.066	0.460	4.000	316.446	-2.00	4.060	316.356	-150.00
-4.425	315.734	-150.00	-4.000	316.371	-2.00	369+0.000	316.451	316.065	0.386	4.000	316.371	-2.00			
-4.403	315.805	-150.00	-4.000	316.409	-2.00	370+0.000	316.489	316.131	0.357	4.000	316.409	-2.00	4.034	316.431	66.67
-4.359	315.724	-150.00	-4.000	316.263	-2.00	371+0.000	316.343	315.975	0.368	4.000	316.263	-2.00	4.037	316.208	-150.00
-4.314	315.388	-150.00	-4.000	315.858	-2.00	372+0.000	315.938	315.595	0.343	4.000	315.858	-2.00	4.060	315.768	-150.00
-4.325	314.761	-150.00	-4.000	315.249	-2.00	373+0.000	315.329	314.936	0.393	4.000	315.249	-2.00	4.098	315.101	-150.00
-4.392	314.200	-150.00	-4.000	314.787	-2.00	374+0.000	314.867	314.414	0.453	4.000	314.787	-2.00	4.115	314.615	-150.00
-4.331	314.142	-150.00	-4.000	314.639	-2.00	375+0.000	314.719	314.353	0.366	4.000	314.639	-2.00	4.047	314.569	-150.00
-4.321	314.299	-150.00	-4.000	314.780	-2.00	376+0.000	314.860	314.561	0.299	4.000	314.780	-2.00	4.040	314.807	66.67
-4.443	314.584	-150.00	-4.000	315.249	-2.00	377+0.000	315.329	314.896	0.432	4.000	315.249	-2.00	4.045	315.180	-150.00
-4.360	315.834	-150.00	-4.000	316.374	-2.00	378+0.000	316.454	316.158	0.297	4.000	316.374	-2.00	4.135	316.465	66.67
-4.407	316.995	-150.00	-4.000	317.606	-2.00	379+0.000	317.686	317.315	0.371	4.000	317.606	-2.00	4.009	317.592	-150.00
-4.300	318.042	-150.00	-4.000	318.491	-2.00	380+0.000	318.571	318.398	0.174	4.000	318.491	-2.00	4.329	318.711	66.67
-4.380	318.613	-150.00	-4.000	319.183	-2.00	381+0.000	319.263	318.959	0.303	4.000	319.183	-2.00	4.155	319.286	66.67
-4.385	318.919	-150.00	-4.000	319.497	-2.00	382+0.000	319.577	319.126	0.451	4.000	319.497	-2.00	4.118	319.320	-150.00
-4.326	318.239	-150.00	-4.000	318.729	-2.00	383+0.000	318.809	318.398	0.411	4.000	318.729	-2.00	4.119	318.550	-150.00
-4.293	317.396	-150.00	-4.000	317.836	-2.00	384+0.000	317.916	317.513	0.403	4.000	317.836	-2.00	4.140	317.625	-150.00
-4.261	316.368	-150.00	-4.000	316.760	-2.00	385+0.000	316.840	316.423	0.417	4.000	316.760	-2.00	4.205	316.452	-150.00
-4.222	315.406	-150.00	-4.000	315.739	-2.00	386+0.000	315.819	315.406	0.414	4.000	315.739	-2.00	4.223	315.405	-150.00
-4.224	314.486	-150.00	-4.000	314.823	-2.00	387+0.000	314.903	314.534	0.369	4.000	314.823	-2.00	4.161	314.581	-150.00
-4.220	313.985	-150.00	-4.000	314.316	-2.00	388+0.000	314.396	313.991	0.405	4.000	314.316	-2.00	4.191	314.030	-150.00
-4.230	313.663	-150.00	-4.000	314.008	-2.00	389+0.000	314.088	313.692	0.396	4.000	314.008	-2.00	4.194	313.717	-150.00
-4.233	313.518	-150.00	-4.000	313.867	-2.00	390+0.000	313.947	313.546	0.401	4.000	313.867	-2.00	4.211	313.550	-150.00
-4.232	313.353	-150.00	-4.000	313.701	-2.00	391+0.000	313.781	313.367	0.415	4.000	313.701	-2.00	4.236	313.347	-150.00
-4.194	313.122	-150.00	-4.000	313.413	-2.00	392+0.000	313.493	313.135	0.358	4.000	313.413	-2.00	4.203	313.108	-150.00
-4.100	312.843	-150.00	-4.000	312.993	-2.00	393+0.000	313.073	312.743	0.330	4.000	312.993	-2.00	4.230	312.647	-150.00
-4.219	311.982	-150.00	-4.000	312.311	-2.00	394+0.000	312.391	311.855	0.536	4.000	312.311	-2.00	4.387	311.730	-150.00
-4.160	311.028	-150.00	-4.000	311.268	-2.00	395+0.000	311.348	310.918	0.430	4.000	311.268	-2.00	4.309	310.805	-150.00
-4.206	309.748	-150.00	-4.000	310.057	-2.00	396+0.000	310.137	309.709	0.428	4.000	310.057	-2.00	4.258	309.669	-150.00
-4.316	308.373	-150.00	-4.000	308.846	-2.00	397+0.000	308.926	308.486	0.440	4.000	308.846	-2.00	4.167	308.595	-150.00

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DoPPO
Secretaria das Cidades (Secid)

-4.223	307.360	-150.00	-4.000	307.694	-2.00	398+0.000	307.774	307.541	0.233	4.000	307.694	-2.00	4.049	307.727	66.67
-4.268	306.730	-150.00	-4.000	307.132	-2.00	399+0.000	307.212	306.950	0.262	4.000	307.132	-2.00	4.039	307.158	66.67
-4.170	307.031	-150.00	-4.000	307.286	-2.00	400+0.000	307.366	307.224	0.141	4.000	307.286	-2.00	4.200	307.419	66.67
-4.367	307.548	-150.00	-4.000	308.099	-2.00	401+0.000	308.179	307.784	0.396	4.000	308.099	-2.00	4.082	307.976	-150.00
-4.313	308.633	-150.00	-4.000	309.102	-2.00	402+0.000	309.182	308.792	0.391	4.000	309.102	-2.00	4.079	308.984	-150.00
-4.299	310.158	-150.00	-4.000	310.606	-2.00	403+0.000	310.686	310.322	0.364	4.000	310.606	-2.00	4.085	310.478	-150.00
-4.336	312.884	-150.00	-4.000	313.389	-2.00	404+0.000	313.469	313.137	0.332	4.000	313.389	-2.00	4.063	313.294	-150.00
-4.255	315.143	-150.00	-4.000	315.526	-2.00	405+0.000	315.606	315.246	0.360	4.000	315.526	-2.00	4.121	315.345	-150.00
-4.311	317.077	-150.00	-4.000	317.544	-2.00	406+0.000	317.624	317.263	0.361	4.000	317.544	-2.00	4.098	317.397	-150.00
-4.372	318.928	-150.00	-4.000	319.486	-2.00	407+0.000	319.566	319.204	0.362	4.000	319.486	-2.00	4.089	319.352	-150.00
-4.271	320.758	-150.00	-4.000	321.165	-2.00	408+0.000	321.245	320.877	0.368	4.000	321.165	-2.00	4.116	320.991	-150.00
-4.292	322.324	-150.00	-4.000	322.762	-2.00	409+0.000	322.842	322.480	0.363	4.000	322.762	-2.00	4.089	322.628	-150.00
-4.305	323.954	-150.00	-4.000	324.411	-2.00	410+0.000	324.491	324.137	0.354	4.000	324.411	-2.00	4.052	324.334	-150.00
-4.487	325.742	-150.00	-4.000	326.474	-2.00	411+0.000	326.554	326.079	0.474	4.000	326.474	-2.00	4.060	326.384	-150.00
-4.583	327.264	-150.00	-4.000	328.138	-2.00	412+0.000	328.218	327.754	0.464	4.000	328.138	-2.00	4.079	328.191	66.67
-4.555	328.477	-150.00	-4.000	329.279	-2.00	413+0.000	329.359	328.971	0.388	4.000	329.279	-2.00	4.227	329.431	66.67
-4.604	328.991	-150.00	-4.000	329.897	-2.00	414+0.000	329.977	329.696	0.281	4.000	329.897	-2.00	4.977	330.548	66.67
-4.920	328.611	-150.00	-4.000	329.991	-2.00	415+0.000	330.071	329.675	0.397	4.000	329.991	-2.00	5.218	330.803	66.67
-4.958	328.125	-150.00	-4.000	329.562	-2.00	416+0.000	329.642	329.173	0.469	4.000	329.562	-2.00	4.969	330.208	66.67
-4.956	327.174	-150.00	-4.000	328.609	-2.00	417+0.000	328.689	328.173	0.516	4.000	328.609	-2.00	4.813	329.151	66.67
-4.773	325.973	-150.00	-4.000	327.133	-2.00	418+0.000	327.213	326.886	0.327	4.000	327.133	-2.00	4.928	327.751	66.67
-4.716	324.195	-150.00	-4.000	325.270	-2.00	419+0.000	325.350	324.921	0.429	4.000	325.270	-2.00	4.652	325.704	66.67
-4.632	322.451	-150.00	-4.000	323.398	-2.00	420+0.000	323.478	323.115	0.363	4.000	323.398	-2.00	4.555	323.768	66.67
-4.499	320.476	-150.00	-4.000	321.225	-2.00	421+0.000	321.305	320.806	0.499	4.000	321.225	-2.00	4.076	321.111	-150.00
-4.519	318.406	-150.00	-4.000	319.185	-2.00	422+0.000	319.265	318.826	0.439	4.000	319.185	-2.00	4.044	319.118	-150.00
-4.548	316.148	-150.00	-4.000	316.970	-2.00	423+0.000	317.050	316.595	0.456	4.000	316.970	-2.00	4.030	316.990	66.67
-4.523	313.705	-150.00	-4.000	314.489	-2.00	424+0.000	314.569	314.061	0.508	4.000	314.489	-2.00	4.072	314.381	-150.00
-4.430	311.532	-150.00	-4.000	312.177	-2.00	425+0.000	312.257	311.840	0.416	4.000	312.177	-2.00	4.037	312.121	-150.00
-4.609	309.711	-150.00	-4.000	310.625	-2.00	426+0.000	310.705	310.167	0.538	4.000	310.625	-2.00	4.028	310.582	-150.00
-4.528	309.080	-150.00	-4.000	309.872	-2.00	427+0.000	309.952	309.491	0.461	4.000	309.872	-2.00			
-4.505	309.162	-150.00	-4.000	309.920	-2.00	428+0.000	310.000	309.617	0.383	4.000	309.920	-2.00	4.126	310.004	66.67
-4.338	309.844	-150.00	-4.000	310.352	-2.00	429+0.000	310.432	310.062	0.370	4.000	310.352	-2.00	4.058	310.265	-150.00
-4.361	310.344	-150.00	-4.000	310.885	-2.00	430+0.000	310.965	310.571	0.394	4.000	310.885	-2.00	4.095	310.742	-150.00
-4.282	310.811	-150.00	-4.000	311.233	-2.00	431+0.000	311.313	310.936	0.377	4.000	311.233	-2.00	4.118	311.057	-150.00
-4.123	311.566	-150.00	-4.000	311.751	-2.00	432+0.000	311.831	311.681	0.151	4.000	311.751	-2.00	4.020	311.721	-150.00
-4.122	312.087	-150.00	-4.000	312.270	-2.00	433+0.000	312.350	312.128	0.222	4.000	312.270	-2.00	4.068	312.168	-150.00
-4.211	312.472	-150.00	-4.000	312.788	-2.00	434+0.000	312.868	312.579	0.289	4.000	312.788	-2.00	4.098	312.641	-150.00
-4.384	312.715	-150.00	-4.000	313.290	-2.00	435+0.000	313.370	312.966	0.405	4.000	313.290	-2.00	4.174	313.030	-150.00
-4.414	312.693	-150.00	-4.000	313.314	-2.00	436+0.000	313.394	312.959	0.435	4.000	313.314	-2.00	4.095	313.171	-150.00
-4.391	312.382	-150.00	-4.000	312.969	-2.00	437+0.000	313.049	312.645	0.403	4.000	312.969	-2.00	4.054	312.888	-150.00
-4.395	311.857	-150.00	-4.000	312.449	-2.00	438+0.000	312.529	312.112	0.417	4.000	312.449	-2.00	4.067	312.349	-150.00
-4.382	311.241	-150.00	-4.000	311.815	-2.00	439+0.000	311.895	311.481	0.413	4.000	311.815	-2.00	4.073	311.705	-150.00
-4.369	310.478	-150.00	-4.000	311.031	-2.00	440+0.000	311.111	310.692	0.419	4.000	311.031	-2.00	4.105	310.874	-150.00
-4.346	309.561	-150.00	-4.000	310.080	-2.00	441+0.000	310.160	309.771	0.389	4.000	310.080	-2.00	4.092	309.942	-150.00
-4.321	308.713	-150.00	-4.000	309.194	-2.00	442+0.000	309.274	308.879	0.396	4.000	309.194	-2.00	4.107	309.034	-150.00
-4.310	308.113	-150.00	-4.000	308.578	-2.00	443+0.000	308.658	308.243	0.415	4.000	308.578	-2.00	4.163	308.334	-150.00
-4.287	307.469	-150.00	-4.000	307.899	-2.00	444+0.000	307.979	307.583	0.396	4.000	307.899	-2.00	4.137	307.694	-150.00
-4.258	307.040	-150.00	-4.000	307.427	-2.00	445+0.000	307.507	307.117	0.390	4.000	307.427	-2.00	4.156	307.192	-150.00
-4.267	306.802	-150.00	-4.000	307.202	-2.00	446+0.000	307.282	306.916	0.366	4.000	307.202	-2.00	4.129	307.008	-150.00
-4.250	306.805	-150.00	-4.000	307.180	-2.00	447+0.000	307.260	306.863	0.397	4.000	307.180	-2.00	4.173	306.920	-150.00
-4.248	306.837	-150.00	-4.000	307.209	-2.00	448+0.000	307.289	306.889	0.400	4.000	307.209	-2.00	4.180	306.940	-150.00
-4.248	306.809	-150.00	-4.000	307.182	-2.00	449+0.000	307.262	306.861	0.401	4.000	307.182	-2.00	4.180	306.911	-150.00
-4.251	306.737	-150.00	-4.000	307.113	-2.00	450+0.000	307.193	306.793	0.401	4.000	307.113	-2.00	4.177	306.847	-150.00
-4.282	306.366	-150.00	-4.000	306.789	-2.00	451+0.000	306.869	306.472	0.397	4.000	306.789	-2.00	4.140	306.579	-150.00
-4.301	306.144	-150.00	-4.000	306.596	-2.00	452+0.000	306.676	306.266	0.410	4.000	306.596	-2.00	4.142	306.383	-150.00
-4.295	305.847	-150.00	-4.000	306.289	-2.00	453+0.000	306.369	305.982	0.387	4.000	306.289	-2.00	4.119	306.111	-150.00
-4.323	305.623	-150.00	-4.000	306.108	-2.00	454+0.000	306.188	305.788	0.399	4.000	306.108	-2.00	4.100	305.957	-150.00
-4.334	305.502	-150.00	-4.000	306.004	-2.00	455+0.000	306.084	305.719	0.365	4.000	306.004	-2.00	4.055	305.921	-150.00
-4.373	305.355	-150.00	-4.000	305.915	-2.00	456+0.000	305.995	305.589	0.406	4.000	305.915	-2.00	4.060	305.824	-150.00
-4.385	305.556	-150.00	-4.000	306.133	-2.00	457+0.000	306.213	305.805	0.408	4.000	306.133	-2.00	4.064	306.036	-150.00
-4.356	305.623	-150.00	-4.000	306.157	-2.00	458+0.000	306.237	305.844	0.392	4.000	306.157	-2.00	4.070	306.051	-150.00
-4.334	305.747	-150.00	-4.000	306.248	-2.00	459+0.000	306.328	305.924	0.404	4.000	306.248	-2.00	4.109	306.085	-150.00
-4.335	305.843	-150.00	-4.000	306.346	-2.00	460+0.000	306.426	306.023	0.402	4.000	306.346	-2.00	4.103	306.191	-150.00
-4.335	305.963	-150.00	-4.000	306.465	-2.00	461+0.000	306.545	306.141	0.404	4.000	306.465	-2.00	4.104	306.310	-150.00
-4.260	305.893	-150.00	-4.000	306.283	-2.00	462+0.000	306.363	305.950	0.413	4.000	306.283	-2.00	4.183	306.008	-150.00
-4.255	305.333	-150.00	-4.000	305.715	-2.00	463+0.000	305.795	305.372	0.423	4.000	305.715	-2.00	4.203	305.411	-150.00
-4.229	304.649	-150.00	-4.000	304.992	-2.00	464+0.000	305.072	304.651	0.422	4.000	304.992	-2.00	4.258	304.606	-150.00
-4.164	304.017	-150.00	-4.000	304.264	-2.00	465+0.000	304.344	303.951	0.394	4.000	304.264	-2.00	4.254	303.882	-150.00
-4.151	303.603	-150.00	-4.000	303.829	-2.00	466+0.000	303.909	303.498	0.412	4.000	303.829	-2.00	4.294	303.388	-150.00
-4.108	303.139	-150.00	-4.000	303.300	-2.00	467+0.000	303.380	302.986	0.395	4.000	303.300	-2.00	4.317	302.825	-150.00
-4.151	303.187	-150.00	-4.000	303.413	-2.00	468+0.000	303.493	303.118	0.375	4.000	303.413	-2.00	4.243	303.048	-150.00
-4.178	303.653	-150.00	-4.000	303.919	-2.00	469+0.000	303.999	303.611	0.388	4.000	303.919	-2.00	4.236	303.565	-150.00
-4.171	304.169	-150.00	-4.000	304.426	-2.00	470+0.000	304.506	304.131	0.374	4.000	304.426	-2.00	4.230	304.080	-150.00
-4.185	305.082	-150.00	-4.000	305.360	-2.00	471+0.000	305.440	305.046	0.394	4.000	305.360	-2.00	4.262	304.966	-150.00
-4.203	306.003	-150.00	-4.000	306.308	-2.00	472+0.000	306.388	305.965	0.423	4.000	306.308	-2.00	4.254	305.927	-150.00
-4.331	306.525	-150.00	-4.000	307.022	-2.00	473+0.000	307.102	306.550	0.551	4.000	307.022	-2.00	4.249	306.648	-150.00
-4.268	307.333	-150.00	-4.000	307.736	-2.00	474+0.000	307.816	307.445	0.370	4.000	307.736	-2.00	4.122	307.553	-150.00
-4.191	308.163	-150.00	-4.000	308.450	-2.00	475+0.000	308.530	308.359	0.170	4.000	308.450	-2.00	4.156	308.554	66.67
-4.239	308.804	-150.00	-4.000	309.164	-2.00	476+0.000	309.244	309.038	0.206	4.000	309.164	-2.00	4.170	309.277	66.67
-4.314	309.406	-150.00	-4.000	309.878	-2.00	477+0.000	309.958	309.654	0.304	4.000	309.878	-2.00	4.010	309.884	66.67
-4.390	309.901	-150.00	-4.000	310.485	-2.00	478+0.000	310.565	310.171	0.394	4.000	310.485	-2.00	4.043	310.421	-150.00

Osvaldo Leôncio da S... ino
Diretor da Unidade de Pro... os
Projetos e Obras - DUPO
Secretaria da Cidade (Secid)

-4.374	310.226	-150.00	-4.000	310.787	-2.00	479+0.000	310.867	310.483	0.383	4.000	310.787	-2.00	4.053	310.707	-150.00
-4.381	310.514	-150.00	-4.000	311.086	-2.00	480+0.000	311.166	310.756	0.410	4.000	311.086	-2.00	4.070	310.981	-150.00
-4.323	310.728	-150.00	-4.000	311.212	-2.00	481+0.000	311.292	310.878	0.414	4.000	311.212	-2.00	4.128	311.021	-150.00
-4.299	310.662	-150.00	-4.000	311.109	-2.00	482+0.000	311.189	310.810	0.379	4.000	311.109	-2.00	4.113	310.940	-150.00
-4.304	310.635	-150.00	-4.000	311.091	-2.00	483+0.000	311.171	310.769	0.401	4.000	311.091	-2.00	4.128	310.898	-150.00
-4.299	310.680	-150.00	-4.000	311.129	-2.00	484+0.000	311.209	310.808	0.400	4.000	311.129	-2.00	4.131	310.932	-150.00
-4.287	310.440	-150.00	-4.000	310.871	-2.00	485+0.000	310.951	310.568	0.383	4.000	310.871	-2.00	4.123	310.687	-150.00
-4.246	310.230	-150.00	-4.000	310.599	-2.00	486+0.000	310.679	310.342	0.336	4.000	310.599	-2.00	4.099	310.451	-150.00
-4.174	310.072	-150.00	-4.000	310.333	-2.00	487+0.000	310.413	310.104	0.309	4.000	310.333	-2.00	4.132	310.134	-150.00
-4.222	309.734	-150.00	-4.000	310.067	-2.00	488+0.000	310.147	309.767	0.380	4.000	310.067	-2.00	4.179	309.798	-150.00
-4.268	309.399	-150.00	-4.000	309.801	-2.00	489+0.000	309.881	309.406	0.475	4.000	309.801	-2.00	4.259	309.412	-150.00
-4.290	309.099	-150.00	-4.000	309.535	-2.00	490+0.000	309.615	309.078	0.536	4.000	309.535	-2.00	4.318	309.057	-150.00
-4.235	308.916	-150.00	-4.000	309.269	-2.00	491+0.000	309.349	308.888	0.461	4.000	309.269	-2.00	4.275	308.857	-150.00
-4.183	308.826	-150.00	-4.000	309.101	-2.00	492+0.000	309.181	308.784	0.397	4.000	309.101	-2.00	4.239	308.742	-150.00
-4.168	308.763	-150.00	-4.000	309.016	-2.00	493+0.000	309.096	308.698	0.398	4.000	309.016	-2.00	4.257	308.631	-150.00
-4.153	308.987	-150.00	-4.000	309.216	-2.00	494+0.000	309.296	308.910	0.386	4.000	309.216	-2.00	4.246	308.847	-150.00
-4.201	309.362	-150.00	-4.000	309.662	-2.00	495+0.000	309.742	309.261	0.482	4.000	309.662	-2.00	4.330	309.167	-150.00
-4.126	309.810	-150.00	-4.000	309.999	-2.00	496+0.000	310.079	309.640	0.439	4.000	309.999	-2.00	4.359	309.461	-150.00
-4.124	310.140	-150.00	-4.000	310.326	-2.00	497+0.000	310.406	309.998	0.408	4.000	310.326	-2.00	4.318	309.850	-150.00
-4.125	310.286	-150.00	-4.000	310.473	-2.00	498+0.000	310.553	310.117	0.437	4.000	310.473	-2.00	4.357	309.938	-150.00
-4.113	310.442	-150.00	-4.000	310.611	-2.00	499+0.000	310.691	310.292	0.399	4.000	310.611	-2.00	4.318	310.134	-150.00
-4.136	310.518	-150.00	-4.000	310.722	-2.00	500+0.000	310.802	310.373	0.429	4.000	310.722	-2.00	4.304	310.266	-150.00
-4.159	310.588	-150.00	-4.000	310.827	-2.00	501+0.000	310.907	310.535	0.371	4.000	310.827	-2.00	4.230	310.482	-150.00
-4.173	310.689	-150.00	-4.000	310.947	-2.00	502+0.000	311.027	310.657	0.370	4.000	310.947	-2.00	4.215	310.625	-150.00
-4.177	310.842	-150.00	-4.000	311.107	-2.00	503+0.000	311.187	310.822	0.365	4.000	311.107	-2.00	4.203	310.802	-150.00
-4.231	310.845	-150.00	-4.000	311.192	-2.00	504+0.000	311.272	310.874	0.398	4.000	311.192	-2.00	4.201	310.890	-150.00
-4.198	310.703	-150.00	-4.000	310.999	-2.00	505+0.000	311.079	310.747	0.332	4.000	310.999	-2.00	4.139	310.791	-150.00
-4.201	310.503	-150.00	-4.000	310.804	-2.00	506+0.000	310.884	310.592	0.292	4.000	310.804	-2.00	4.083	310.679	-150.00
-4.297	310.106	-150.00	-4.000	310.552	-2.00	507+0.000	310.632	310.224	0.408	4.000	310.552	-2.00	4.165	310.304	-150.00
-4.308	309.297	-150.00	-4.000	309.759	-2.00	508+0.000	309.839	309.422	0.418	4.000	309.759	-2.00	4.145	309.542	-150.00
-4.306	308.370	-150.00	-4.000	308.828	-2.00	509+0.000	308.908	308.463	0.445	4.000	308.828	-2.00	4.183	308.553	-150.00
-4.304	307.342	-150.00	-4.000	307.799	-2.00	510+0.000	307.879	307.451	0.428	4.000	307.799	-2.00	4.178	307.532	-150.00
-4.271	305.973	-150.00	-4.000	306.379	-2.00	511+0.000	306.459	306.060	0.399	4.000	306.379	-2.00	4.156	306.146	-150.00
-4.220	304.659	-150.00	-4.000	304.990	-2.00	512+0.000	305.070	304.711	0.359	4.000	304.990	-2.00	4.153	304.761	-150.00
-4.209	303.396	-150.00	-4.000	303.710	-2.00	513+0.000	303.790	303.425	0.365	4.000	303.710	-2.00	4.213	303.391	-150.00
-4.232	302.160	-150.00	-4.000	302.508	-2.00	514+0.000	302.588	302.179	0.409	4.000	302.508	-2.00	4.203	302.203	-150.00
-4.237	301.287	-150.00	-4.000	301.642	-2.00	515+0.000	301.722	301.312	0.410	4.000	301.642	-2.00	4.203	301.337	-150.00
-4.200	300.568	-150.00	-4.000	300.868	-2.00	516+0.000	300.948	300.549	0.399	4.000	300.868	-2.00	4.219	300.540	-150.00
-4.209	300.226	-150.00	-4.000	300.540	-2.00	517+0.000	300.620	300.219	0.401	4.000	300.540	-2.00	4.218	300.213	-150.00
-4.210	300.015	-150.00	-4.000	300.330	-2.00	518+0.000	300.410	300.008	0.402	4.000	300.330	-2.00	4.220	300.000	-150.00
-4.092	300.036	-150.00	-4.000	300.174	-2.00	519+0.000	300.254	300.032	0.222	4.000	300.174	-2.00	4.097	300.029	-150.00
-4.008	300.024	66.67	-4.000	300.019	-2.00	520+0.000	300.099	299.994	0.105	4.000	300.019	-2.00	4.037	299.963	-150.00
-4.098	299.717	-150.00	-4.000	299.864	-2.00	521+0.000	299.944	299.653	0.290	4.000	299.864	-2.00	4.160	299.624	-150.00
-4.186	299.432	-150.00	-4.000	299.711	-2.00	522+0.000	299.791	299.383	0.408	4.000	299.711	-2.00	4.252	299.333	-150.00
-4.176	299.166	-150.00	-4.000	299.430	-2.00	523+0.000	299.510	299.075	0.435	4.000	299.430	-2.00	4.299	298.982	-150.00
-4.072	299.020	-150.00	-4.000	299.128	-2.00	524+0.000	299.208	298.875	0.333	4.000	299.128	-2.00	4.274	298.716	-150.00
-4.152	299.022	-150.00	-4.000	299.251	-2.00	525+0.000	299.331	298.909	0.422	4.000	299.251	-2.00	4.306	298.792	-150.00
-4.128	299.644	-150.00	-4.000	299.835	-2.00	526+0.000	299.915	299.565	0.351	4.000	299.835	-2.00	4.260	299.446	-150.00
-4.125	300.695	-150.00	-4.000	300.882	-2.00	527+0.000	300.962	300.615	0.347	4.000	300.882	-2.00	4.232	300.535	-150.00
-4.156	301.989	-150.00	-4.000	302.222	-2.00	528+0.000	302.302	301.925	0.378	4.000	302.222	-2.00	4.242	301.860	-150.00
-4.180	303.171	-150.00	-4.000	303.442	-2.00	529+0.000	303.522	303.142	0.380	4.000	303.442	-2.00	4.225	303.104	-150.00
-4.192	304.280	-150.00	-4.000	304.568	-2.00	530+0.000	304.648	304.254	0.394	4.000	304.568	-2.00	4.227	304.227	-150.00
-4.221	305.154	-150.00	-4.000	305.486	-2.00	531+0.000	305.566	305.170	0.396	4.000	305.486	-2.00	4.200	305.186	-150.00
-4.225	306.004	-150.00	-4.000	306.342	-2.00	532+0.000	306.422	306.126	0.296	4.000	306.342	-2.00	4.068	306.239	-150.00
-4.251	306.822	-150.00	-4.000	307.198	-2.00	533+0.000	307.278	306.924	0.355	4.000	307.198	-2.00	4.073	307.089	-150.00
-4.305	307.583	-150.00	-4.000	308.040	-2.00	534+0.000	308.120	307.724	0.397	4.000	308.040	-2.00	4.136	307.836	-150.00
-4.339	308.102	-150.00	-4.000	308.611	-2.00	535+0.000	308.691	308.260	0.431	4.000	308.611	-2.00	4.134	308.410	-150.00
-4.333	308.671	-150.00	-4.000	309.171	-2.00	536+0.000	309.251	308.824	0.426	4.000	309.171	-2.00	4.133	308.970	-150.00
-4.312	309.262	-150.00	-4.000	309.730	-2.00	537+0.000	309.810	309.414	0.397	4.000	309.730	-2.00	4.121	309.549	-150.00
-4.216	309.825	-150.00	-4.000	310.148	-2.00	538+0.000	310.228	309.802	0.426	4.000	310.148	-2.00	4.206	309.839	-150.00
-4.193	310.220	-150.00	-4.000	310.509	-2.00	539+0.000	310.589	310.180	0.409	4.000	310.509	-2.00	4.226	310.169	-150.00
-4.163	310.509	-150.00	-4.000	310.754	-2.00	540+0.000	310.834	310.453	0.381	4.000	310.754	-2.00	4.259	310.365	-150.00
-4.181	310.467	-150.00	-4.000	310.739	-2.00	541+0.000	310.819	310.384	0.435	4.000	310.739	-2.00	4.294	310.298	-150.00
-4.112	310.428	-150.00	-4.000	310.595	-2.00	542+0.000	310.675	310.275	0.400	4.000	310.595	-2.00	4.288	310.163	-150.00
-4.098	310.304	-150.00	-4.000	310.451	-2.00	543+0.000	310.531	310.184	0.347	4.000	310.451	-2.00	4.261	310.059	-150.00
-4.107	310.133	-150.00	-4.000	310.293	-2.00	544+0.000	310.373	310.018	0.355	4.000	310.293	-2.00	4.268	309.891	-150.00
-4.155	309.906	-150.00	-4.000	310.139	-2.00	545+0.000	310.219	309.770	0.448	4.000	310.139	-2.00	4.340	309.629	-150.00
-4.161	309.775	-150.00	-4.000	310.016	-2.00	546+0.000	310.096	309.646	0.450	4.000	310.016	-2.00	4.309	309.552	-150.00
-4.120	309.745	-150.00	-4.000	309.925	-2.00	547+0.000	310.005	309.650	0.355	4.000	309.925	-2.00	4.249	309.552	-150.00
-4.072	309.654	-150.00	-4.000	309.762	-2.00	548+0.000	309.842	309.569	0.274	4.000	309.762	-2.00	4.181	309.491	-150.00
-4.116	309.364	-150.00	-4.000	309.537	-2.00	549+0.000	309.617	309.297	0.321	4.000	309.537	-2.00	4.206	309.228	-150.00
-4.188	308.791	-150.00	-4.000	309.074	-2.00	550+0.000	309.154	308.750	0.404	4.000	309.074	-2.00	4.244	308.708	-150.00
-4.276	307.893	-150.00	-4.000	308.308	-2.00	551+0.000	308.388	307.888	0.500	4.000	308.308	-2.00	4.284	307.883	-150.00
-4.248	307.015	-150.00	-4.000	307.386	-2.00	552+0.000	307.466	307.036	0.431	4.000	307.386	-2.00	4.220	307.056	-150.00
-4.257	306.171	-150.00	-4.000	306.557	-2.00	553+0.000	306.637	306.208	0.429	4.000	306.557	-2.00	4.209	306.244	-150.00
-4.203	305.760	-150.00	-4.000	306.064	-2.00	554+0.000	306.144	305.742	0.401	4.000	306.064	-2.00	4.228	305.722	-150.00
-4.181	305.377	-150.00	-4.000	305.650	-2.00	555+0.000	305.730	305.302	0.427	4.000	305.650	-2.00	4.283	305.225	-150.00
-4.151	305.359	-150.00	-4.000	305.586	-2.00	556+0.000	305.666	305.304	0.363	4.000	305.586	-2.00	4.226	305.247	-150.00
-4.174	305.415	-150.00	-4.000	305.676	-2.00	557+0.000	305.756	305.359	0.397	4.000	305.676	-2.00	4.269	305.273	-150.00
-4.154	305.359	-150.00	-4.000	305.590	-2.00	558+0.000	305.670	305.274	0.396	4.000	305.590	-2.00	4.268	305.188	-150.00
-4.178	305.299	-150.00	-4.000	305.566	-2.00	559+0.000	305.646	305.243	0.403	4.000	305.566	-2.00	4.253	305.186	-150.00

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades (Secid)

-4.181	305.092	-150.00	-4.000	305.364	-2.00	560+0.000	305.444	305.031	0.414	4.000	305.364	-2.00	4.296	304.920	-150.00
-4.111	304.471	-150.00	-4.000	304.638	-2.00	561+0.000	304.718	304.300	0.418	4.000	304.638	-2.00	4.346	304.119	-150.00
-4.118	303.419	-150.00	-4.000	303.596	-2.00	562+0.000	303.676	303.253	0.423	4.000	303.596	-2.00	4.345	303.078	-150.00
-4.108	302.081	-150.00	-4.000	302.242	-2.00	563+0.000	302.322	301.889	0.434	4.000	302.242	-2.00	4.372	301.684	-150.00
-4.170	300.536	-150.00	-4.000	300.791	-2.00	564+0.000	300.871	300.463	0.408	4.000	300.791	-2.00	4.249	300.418	-150.00
-4.128	299.725	-150.00	-4.000	299.917	-2.00	565+0.000	299.997	299.586	0.410	4.000	299.917	-2.00	4.263	299.523	-150.00
-4.121	299.163	-150.00	-4.000	299.345	-2.00	566+0.000	299.425	299.046	0.379	4.000	299.345	-2.00	4.285	298.917	-150.00
-4.121	298.939	-150.00	-4.000	299.121	-2.00	567+0.000	299.201	298.814	0.387	4.000	299.121	-2.00	4.291	298.684	-150.00
-4.140	298.952	-150.00	-4.000	299.161	-2.00	568+0.000	299.241	298.849	0.392	4.000	299.161	-2.00	4.271	298.755	-150.00
-4.174	299.089	-150.00	-4.000	299.350	-2.00	569+0.000	299.430	299.041	0.388	4.000	299.350	-2.00	4.237	298.994	-150.00
-4.227	299.405	-150.00	-4.000	299.745	-2.00	570+0.000	299.825	299.381	0.445	4.000	299.745	-2.00	4.259	299.356	-150.00
-4.242	299.811	-150.00	-4.000	300.173	-2.00	571+0.000	300.253	299.816	0.437	4.000	300.173	-2.00	4.234	299.822	-150.00
-4.248	300.162	-150.00	-4.000	300.534	-2.00	572+0.000	300.614	300.188	0.425	4.000	300.534	-2.00	4.213	300.214	-150.00
-4.304	300.386	-150.00	-4.000	300.843	-2.00	573+0.000	300.923	300.519	0.404	4.000	300.843	-2.00	4.168	300.591	-150.00
-4.287	300.554	-150.00	-4.000	300.985	-2.00	574+0.000	301.065	300.685	0.379	4.000	300.985	-2.00	4.118	300.807	-150.00
-4.290	300.688	-150.00	-4.000	301.123	-2.00	575+0.000	301.203	300.812	0.391	4.000	301.123	-2.00	4.096	300.978	-150.00
-4.333	300.876	-150.00	-4.000	301.376	-2.00	576+0.000	301.456	301.071	0.385	4.000	301.376	-2.00	4.053	301.296	-150.00
-4.321	301.375	-150.00	-4.000	301.856	-2.00	577+0.000	301.936	301.544	0.392	4.000	301.856	-2.00	4.108	301.694	-150.00
-4.342	301.631	-150.00	-4.000	302.143	-2.00	578+0.000	302.223	301.818	0.405	4.000	302.143	-2.00	4.099	301.995	-150.00
-4.357	301.664	-150.00	-4.000	302.199	-2.00	579+0.000	302.279	301.885	0.394	4.000	302.199	-2.00	4.071	302.092	-150.00
-4.346	300.882	-150.00	-4.000	301.401	-2.00	580+0.000	301.481	301.028	0.453	4.000	301.401	-2.00	4.156	301.167	-150.00
-4.258	300.058	-150.00	-4.000	300.445	-2.00	581+0.000	300.525	300.126	0.399	4.000	300.445	-2.00	4.116	300.271	-150.00
-4.189	299.091	-150.00	-4.000	299.375	-2.00	582+0.000	299.455	299.145	0.310	4.000	299.375	-2.00	4.073	299.265	-150.00
-4.169	298.310	-150.00	-4.000	298.563	-2.00	583+0.000	298.643	298.302	0.341	4.000	298.563	-2.00	4.152	298.335	-150.00
-4.252	297.712	-150.00	-4.000	298.091	-2.00	584+0.000	298.171	297.701	0.469	4.000	298.091	-2.00	4.275	297.678	-150.00
-4.144	297.742	-150.00	-4.000	297.958	-2.00	585+0.000	298.038	297.705	0.333	4.000	297.958	-2.00	4.193	297.668	-150.00
-4.121	297.984	-150.00	-4.000	298.165	-2.00	586+0.000	298.245	297.970	0.275	4.000	298.165	-2.00	4.139	297.956	-150.00
-4.151	298.415	-150.00	-4.000	298.642	-2.00	587+0.000	298.722	298.418	0.304	4.000	298.642	-2.00	4.147	298.421	-150.00
-4.072	299.033	-150.00	-4.000	299.142	-2.00	588+0.000	299.222	299.078	0.144	4.000	299.142	-2.00	4.013	299.123	-150.00
-4.143	299.427	-150.00	-4.000	299.642	-2.00	589+0.000	299.722	299.474	0.247	4.000	299.642	-2.00	4.080	299.522	-150.00
-4.249	299.766	-150.00	-4.000	300.139	-2.00	590+0.000	300.219	299.821	0.398	4.000	300.139	-2.00	4.139	299.931	-150.00
-4.198	300.285	-150.00	-4.000	300.582	-2.00	591+0.000	300.662	300.282	0.380	4.000	300.582	-2.00	4.202	300.279	-150.00
-4.245	300.476	-150.00	-4.000	300.844	-2.00	592+0.000	300.924	300.504	0.420	4.000	300.844	-2.00	4.204	300.538	-150.00
-4.174	300.475	-150.00	-4.000	300.736	-2.00	593+0.000	300.816	300.413	0.404	4.000	300.736	-2.00	4.204	300.430	-150.00
-4.168	300.633	-150.00	-4.000	300.884	-2.00	594+0.000	300.964	300.566	0.398	4.000	300.884	-2.00	4.278	300.467	-150.00
-4.139	300.670	-150.00	-4.000	300.879	-2.00	595+0.000	300.959	300.584	0.375	4.000	300.879	-2.00	4.262	300.485	-150.00
-4.156	300.632	-150.00	-4.000	300.866	-2.00	596+0.000	300.946	300.551	0.396	4.000	300.866	-2.00	4.266	300.467	-150.00
-4.149	300.575	-150.00	-4.000	300.799	-2.00	597+0.000	300.879	300.497	0.381	4.000	300.799	-2.00	4.261	300.406	-150.00
-4.168	300.389	-150.00	-4.000	300.641	-2.00	598+0.000	300.721	300.288	0.433	4.000	300.641	-2.00	4.295	300.198	-150.00
-4.208	299.975	-150.00	-4.000	300.287	-2.00	599+0.000	300.367	299.934	0.433	4.000	300.287	-2.00	4.263	299.892	-150.00
-4.209	299.228	-150.00	-4.000	299.541	-2.00	600+0.000	299.621	299.197	0.424	4.000	299.541	-2.00	4.238	299.184	-150.00
-4.146	298.611	-150.00	-4.000	298.830	-2.00	601+0.000	298.910	298.611	0.299	4.000	298.830	-2.00	4.155	298.597	-150.00
-4.220	298.072	-150.00	-4.000	298.402	-2.00	602+0.000	298.482	298.042	0.440	4.000	298.402	-2.00	4.246	298.033	-150.00
-4.222	297.974	-150.00	-4.000	298.307	-2.00	603+0.000	298.387	297.971	0.415	4.000	298.307	-2.00	4.225	297.969	-150.00
-4.166	298.295	-150.00	-4.000	298.543	-2.00	604+0.000	298.623	298.257	0.367	4.000	298.543	-2.00	4.189	298.260	-150.00
-4.139	298.903	-150.00	-4.000	299.111	-2.00	605+0.000	299.191	298.927	0.264	4.000	299.111	-2.00	4.106	298.951	-150.00
-4.189	299.525	-150.00	-4.000	299.810	-2.00	606+0.000	299.890	299.555	0.335	4.000	299.810	-2.00	4.151	299.583	-150.00
-4.255	300.064	-150.00	-4.000	300.446	-2.00	607+0.000	300.526	300.118	0.408	4.000	300.446	-2.00	4.183	300.171	-150.00
-4.256	300.352	-150.00	-4.000	300.736	-2.00	608+0.000	300.816	300.401	0.415	4.000	300.736	-2.00	4.194	300.445	-150.00
-4.334	300.185	-150.00	-4.000	300.686	-2.00	609+0.000	300.766	300.331	0.435	4.000	300.686	-2.00	4.123	300.501	-150.00
-4.352	299.737	-150.00	-4.000	300.265	-2.00	610+0.000	300.345	299.927	0.419	4.000	300.265	-2.00	4.095	300.123	-150.00
-4.353	299.881	-150.00	-4.000	300.410	-2.00	611+0.000	300.490	300.075	0.414	4.000	300.410	-2.00	4.101	300.259	-150.00
-4.290	300.657	-150.00	-4.000	301.092	-2.00	612+0.000	301.172	300.797	0.375	4.000	301.092	-2.00	4.116	300.918	-150.00
-4.222	301.418	-150.00	-4.000	301.752	-2.00	613+0.000	301.832	301.535	0.297	4.000	301.752	-2.00	4.107	301.591	-150.00
-4.249	301.841	-150.00	-4.000	302.215	-2.00	614+0.000	302.295	301.852	0.443	4.000	302.215	-2.00	4.234	301.864	-150.00
-4.188	302.199	-150.00	-4.000	302.481	-2.00	615+0.000	302.561	302.206	0.355	4.000	302.481	-2.00	4.179	302.213	-150.00
-4.175	302.339	-150.00	-4.000	302.602	-2.00	616+0.000	302.682	302.288	0.394	4.000	302.602	-2.00	4.244	302.236	-150.00
-4.192	302.440	-150.00	-4.000	302.728	-2.00	617+0.000	302.808	302.425	0.383	4.000	302.728	-2.00	4.220	302.399	-150.00
-4.211	302.557	-150.00	-4.000	302.874	-2.00	618+0.000	302.954	302.555	0.398	4.000	302.874	-2.00	4.213	302.554	-150.00
-4.271	302.513	-150.00	-4.000	302.920	-2.00	619+0.000	303.000	302.541	0.459	4.000	302.920	-2.00	4.234	302.568	-150.00
-4.265	302.523	-150.00	-4.000	302.920	-2.00	620+0.000	303.000	302.588	0.412	4.000	302.920	-2.00	4.183	302.646	-150.00
-4.254	302.630	-150.00	-4.000	303.011	-2.00	621+0.000	303.091	302.695	0.396	4.000	303.011	-2.00	4.154	302.781	-150.00
-4.249	303.015	-150.00	-4.000	303.388	-2.00	622+0.000	303.468	303.092	0.377	4.000	303.388	-2.00	4.168	303.137	-150.00
-4.256	303.392	-150.00	-4.000	303.776	-2.00	623+0.000	303.856	303.445	0.411	4.000	303.776	-2.00	4.186	303.496	-150.00
-4.231	303.817	-150.00	-4.000	304.163	-2.00	624+0.000	304.243	303.853	0.390	4.000	304.163	-2.00	4.173	303.904	-150.00
-4.290	304.187	-150.00	-4.000	304.622	-2.00	625+0.000	304.702	304.319	0.383	4.000	304.622	-2.00	4.115	304.449	-150.00
-4.287	304.714	-150.00	-4.000	305.146	-2.00	626+0.000	305.226	304.831	0.395	4.000	305.146	-2.00	4.148	304.923	-150.00
-4.275	304.781	-150.00	-4.000	305.194	-2.00	627+0.000	305.274	304.877	0.397	4.000	305.194	-2.00	4.148	304.972	-150.00
-4.288	304.698	-150.00	-4.000	305.130	-2.00	628+0.000	305.210	304.783	0.427	4.000	305.130	-2.00	4.168	304.877	-150.00
-4.271	304.337	-150.00	-4.000	304.743	-2.00	629+0.000	304.823	304.418	0.405	4.000	304.743	-2.00	4.164	304.497	-150.00
-4.262	303.929	-150.00	-4.000	304.322	-2.00	630+0.000	304.402	303.998	0.404	4.000	304.322	-2.00	4.170	304.067	-150.00
-4.240	303.507	-150.00	-4.000	303.868	-2.00	631+0.000	303.948	303.551	0.396	4.000	303.868	-2.00	4.182	303.595	-150.00
-4.276	303.092	-150.00	-4.000	303.507	-2.00	632+0.000	303.587	303.184	0.403	4.000	303.507	-2.00	4.156	303.272	-150.00
-4.292	302.620	-150.00	-4.000	303.058	-2.00	633+0.000	303.138	302.734	0.404	4.000	303.058	-2.00	4.142	302.845	-150.00
-4.251	302.022	-150.00	-4.000	302.400	-2.00	634+0.000	302.480	302.116	0.364	4.000	302.400	-2.00	4.128	302.208	-150.00
-4.250	301.325	-150.00	-4.000	301.700	-2.00	635+0.000	301.780	301.417	0.363	4.000	301.700	-2.00	4.150	301.475	-150.00
-4.228	300.573	-150.00	-4.000	300.915	-2.00	636+0.000	300.995	300.633	0.361	4.000	300.915	-2.00	4.148	300.693	-150.00
-4.291	299.763	-150.00	-4.000	300.200	-2.00	637+0.000	300.280	299.839	0.441	4.000	300.200	-2.00	4.191	299.914	-150.00
-4.290	299.177	-150.00	-4.000	299.613	-2.00	638+0.000	299.693	299.244	0.448	4.000	299.613	-2.00	4.202	299.310	-150.00
-4.291	298.717	-150.00	-4.000	299.153	-2.00	639+0.000	299.233	298.790	0.443	4.000	299.153	-2.00	4.194	298.862	-150.00
-4.286	298.392	-150.00	-4.000	298.822	-2.00	640+0.000	298.902	298.455	0.447	4.000	298.822	-2.00	4.204	298.516	-150.00

Osvaldo Leôncio da Silva
Diretor da Unidade de Projetos e Obras
Secretaria de Obras

-4.287	298.169	-150.00	-4.000	298.600	-2.00	641+0.000	298.680	298.246	0.434	4.000	298.600	-2.00	4.186	298.321	-150.00
-4.232	298.044	-150.00	-4.000	298.392	-2.00	642+0.000	298.472	298.075	0.397	4.000	298.392	-2.00	4.191	298.106	-150.00
-4.228	297.843	-150.00	-4.000	298.185	-2.00	643+0.000	298.265	297.877	0.388	4.000	298.185	-2.00	4.183	297.911	-150.00
-4.200	297.678	-150.00	-4.000	297.977	-2.00	644+0.000	298.057	297.665	0.392	4.000	297.977	-2.00	4.202	297.673	-150.00
-4.176	297.539	-150.00	-4.000	297.803	-2.00	645+0.000	297.883	297.483	0.400	4.000	297.803	-2.00	4.244	297.438	-150.00
-4.165	297.468	-150.00	-4.000	297.716	-2.00	646+0.000	297.796	297.419	0.377	4.000	297.716	-2.00	4.274	297.305	-150.00
-4.140	297.444	-150.00	-4.000	297.654	-2.00	647+0.000	297.734	297.325	0.409	4.000	297.654	-2.00	4.302	297.201	-150.00
-4.092	297.296	-150.00	-4.000	297.434	-2.00	648+0.000	297.514	297.115	0.399	4.000	297.434	-2.00	4.327	296.944	-150.00
-4.091	297.193	-150.00	-4.000	297.330	-2.00	649+0.000	297.410	297.012	0.399	4.000	297.330	-2.00	4.321	296.848	-150.00
-4.107	297.291	-150.00	-4.000	297.452	-2.00	650+0.000	297.532	297.143	0.389	4.000	297.452	-2.00	4.310	296.987	-150.00
-4.074	297.633	-150.00	-4.000	297.745	-2.00	651+0.000	297.825	297.433	0.392	4.000	297.745	-2.00	4.349	297.222	-150.00
-4.077	298.033	-150.00	-4.000	298.149	-2.00	652+0.000	298.229	297.837	0.392	4.000	298.149	-2.00	4.345	297.631	-150.00
-4.058	298.664	-150.00	-4.000	298.750	-2.00	653+0.000	298.830	298.365	0.465	4.000	298.750	-2.00	4.411	298.135	-150.00
-4.096	299.644	-150.00	-4.000	299.788	-2.00	654+0.000	299.868	299.368	0.500	4.000	299.788	-2.00	4.393	299.198	-150.00
-4.010	300.548	-150.00	-4.000	300.563	-2.00	655+0.000	300.643	300.370	0.273	4.000	300.563	-2.00	4.218	300.236	-150.00
-4.163	300.812	-150.00	-4.000	301.056	-2.00	656+0.000	301.136	300.698	0.438	4.000	301.056	-2.00	4.249	300.682	-150.00
-4.170	301.011	-150.00	-4.000	301.265	-2.00	657+0.000	301.345	300.969	0.376	4.000	301.265	-2.00	4.208	300.953	-150.00
-4.205	300.949	-150.00	-4.000	301.256	-2.00	658+0.000	301.336	301.042	0.295	4.000	301.256	-2.00	4.083	301.131	-150.00
-4.276	300.839	-150.00	-4.000	301.253	-2.00	659+0.000	301.333	300.933	0.400	4.000	301.253	-2.00	4.114	301.082	-150.00
-4.346	301.029	-150.00	-4.000	301.549	-2.00	660+0.000	301.629	301.230	0.399	4.000	301.549	-2.00	4.115	301.377	-150.00
-4.358	301.159	-150.00	-4.000	301.696	-2.00	661+0.000	301.776	301.398	0.378	4.000	301.696	-2.00	4.048	301.624	-150.00
-4.367	301.504	-150.00	-4.000	302.055	-2.00	662+0.000	302.135	301.748	0.388	4.000	302.055	-2.00	4.030	302.011	-150.00
-4.271	302.118	-150.00	-4.000	302.524	-2.00	663+0.000	302.604	302.224	0.379	4.000	302.524	-2.00	4.091	302.387	-150.00
-4.189	303.039	-150.00	-4.000	303.322	-2.00	664+0.000	303.402	303.144	0.258	4.000	303.322	-2.00	4.051	303.246	-150.00
-4.128	303.811	-150.00	-4.000	304.004	-2.00	665+0.000	304.084	303.841	0.243	4.000	304.004	-2.00	4.089	303.870	-150.00
-4.225	304.210	-150.00	-4.000	304.547	-2.00	666+0.000	304.627	304.237	0.390	4.000	304.547	-2.00	4.189	304.264	-150.00
-4.259	304.565	-150.00	-4.000	304.952	-2.00	667+0.000	305.032	304.565	0.467	4.000	304.952	-2.00	4.258	304.565	-150.00
-4.261	304.828	-150.00	-4.000	305.219	-2.00	668+0.000	305.299	304.821	0.479	4.000	305.219	-2.00	4.270	304.814	-150.00
-4.145	305.131	-150.00	-4.000	305.348	-2.00	669+0.000	305.428	305.087	0.341	4.000	305.348	-2.00	4.220	305.018	-150.00
-4.139	305.194	-150.00	-4.000	305.402	-2.00	670+0.000	305.482	305.102	0.381	4.000	305.402	-2.00	4.256	305.019	-150.00
-4.189	305.203	-150.00	-4.000	305.486	-2.00	671+0.000	305.566	305.131	0.435	4.000	305.486	-2.00	4.275	305.073	-150.00
-4.182	305.603	-150.00	-4.000	305.876	-2.00	672+0.000	305.956	305.538	0.418	4.000	305.876	-2.00	4.269	305.472	-150.00
-4.156	306.032	-150.00	-4.000	306.266	-2.00	673+0.000	306.346	305.957	0.389	4.000	306.266	-2.00	4.258	305.879	-150.00
-4.151	306.440	-150.00	-4.000	306.667	-2.00	674+0.000	306.747	306.361	0.386	4.000	306.667	-2.00	4.220	306.337	-150.00
-4.195	307.195	-150.00	-4.000	307.487	-2.00	675+0.000	307.567	307.185	0.382	4.000	307.487	-2.00	4.211	307.171	-150.00
-4.237	307.764	-150.00	-4.000	308.119	-2.00	676+0.000	308.199	307.780	0.419	4.000	308.119	-2.00	4.257	307.733	-150.00
-4.276	308.215	-150.00	-4.000	308.630	-2.00	677+0.000	308.710	308.260	0.450	4.000	308.630	-2.00	4.244	308.264	-150.00
-4.243	308.776	-150.00	-4.000	309.140	-2.00	678+0.000	309.220	308.788	0.432	4.000	309.140	-2.00	4.231	308.793	-150.00
-4.263	309.183	-150.00	-4.000	309.578	-2.00	679+0.000	309.658	309.224	0.435	4.000	309.578	-2.00	4.210	309.264	-150.00
-4.286	309.535	-150.00	-4.000	309.964	-2.00	680+0.000	310.044	309.636	0.408	4.000	309.964	-2.00	4.153	309.734	-150.00
-4.276	309.936	-150.00	-4.000	310.349	-2.00	681+0.000	310.429	310.037	0.393	4.000	310.349	-2.00	4.153	310.120	-150.00
-4.271	310.134	-150.00	-4.000	310.540	-2.00	682+0.000	310.620	310.214	0.405	4.000	310.540	-2.00	4.164	310.293	-150.00
-4.277	310.198	-150.00	-4.000	310.613	-2.00	683+0.000	310.693	310.288	0.405	4.000	310.613	-2.00	4.159	310.375	-150.00
-4.273	310.094	-150.00	-4.000	310.504	-2.00	684+0.000	310.584	310.182	0.402	4.000	310.504	-2.00	4.158	310.268	-150.00
-4.273	309.876	-150.00	-4.000	310.285	-2.00	685+0.000	310.365	309.953	0.412	4.000	310.285	-2.00	4.171	310.029	-150.00
-4.270	309.489	-150.00	-4.000	309.894	-2.00	686+0.000	309.974	309.571	0.404	4.000	309.894	-2.00	4.147	309.674	-150.00
-4.246	309.245	-150.00	-4.000	309.614	-2.00	687+0.000	309.694	309.292	0.402	4.000	309.614	-2.00	4.160	309.373	-150.00
-4.232	309.024	-150.00	-4.000	309.372	-2.00	688+0.000	309.452	309.066	0.386	4.000	309.372	-2.00	4.176	309.108	-150.00
-4.227	308.790	-150.00	-4.000	309.131	-2.00	689+0.000	309.211	308.826	0.384	4.000	309.131	-2.00	4.206	308.821	-150.00
-4.199	308.723	-150.00	-4.000	309.022	-2.00	690+0.000	309.102	308.717	0.385	4.000	309.022	-2.00	4.207	308.711	-150.00
-4.293	309.017	-150.00	-4.000	309.456	-2.00	691+0.000	309.536	309.013	0.523	4.000	309.456	-2.00	4.298	309.009	-150.00
-4.215	309.603	-150.00	-4.000	309.926	-2.00	692+0.000	310.006	309.613	0.392	4.000	309.926	-2.00	4.220	309.596	-150.00
-4.215	310.103	-150.00	-4.000	310.425	-2.00	693+0.000	310.505	310.104	0.400	4.000	310.425	-2.00	4.221	310.093	-150.00
-4.257	310.492	-150.00	-4.000	310.877	-2.00	694+0.000	310.957	310.563	0.394	4.000	310.877	-2.00	4.192	310.589	-150.00
-4.244	310.561	-150.00	-4.000	310.926	-2.00	695+0.000	311.006	310.599	0.407	4.000	310.926	-2.00	4.193	310.637	-150.00
-4.270	310.520	-150.00	-4.000	310.925	-2.00	696+0.000	311.005	310.602	0.403	4.000	310.925	-2.00	4.189	310.642	-150.00
-4.216	310.217	-150.00	-4.000	310.541	-2.00	697+0.000	310.621	310.228	0.392	4.000	310.541	-2.00	4.201	310.239	-150.00
-4.247	309.659	-150.00	-4.000	310.030	-2.00	698+0.000	310.110	309.707	0.404	4.000	310.030	-2.00	4.208	309.718	-150.00
-4.262	309.127	-150.00	-4.000	309.520	-2.00	699+0.000	309.600	309.162	0.438	4.000	309.520	-2.00	4.215	309.197	-150.00
-4.265	308.622	-150.00	-4.000	309.020	-2.00	700+0.000	309.100	308.659	0.441	4.000	309.020	-2.00	4.216	308.696	-150.00
-4.233	308.271	-150.00	-4.000	308.621	-2.00	701+0.000	308.701	308.291	0.410	4.000	308.621	-2.00	4.199	308.323	-150.00
-4.203	308.042	-150.00	-4.000	308.346	-2.00	702+0.000	308.426	308.076	0.350	4.000	308.346	-2.00	4.157	308.110	-150.00
-4.150	307.968	-150.00	-4.000	308.194	-2.00	703+0.000	308.274	307.958	0.316	4.000	308.194	-2.00	4.165	307.946	-150.00
-4.158	307.917	-150.00	-4.000	308.155	-2.00	704+0.000	308.235	307.907	0.328	4.000	308.155	-2.00	4.201	307.854	-150.00
-4.172	307.879	-150.00	-4.000	308.137	-2.00	705+0.000	308.217	307.821	0.395	4.000	308.137	-2.00	4.247	307.767	-150.00
-4.158	307.869	-150.00	-4.000	308.106	-2.00	706+0.000	308.186	307.804	0.381	4.000	308.106	-2.00	4.245	307.738	-150.00
-4.189	307.996	-150.00	-4.000	308.279	-2.00	707+0.000	308.359	307.970	0.389	4.000	308.279	-2.00	4.224	307.943	-150.00
-4.174	308.375	-150.00	-4.000	308.637	-2.00	708+0.000	308.717	308.314	0.402	4.000	308.637	-2.00	4.302	308.184	-150.00
-4.229	308.496	-150.00	-4.000	308.839	-2.00	709+0.000	308.919	308.508	0.411	4.000	308.839	-2.00	4.212	308.521	-150.00
-4.222	308.509	-150.00	-4.000	308.842	-2.00	710+0.000	308.922	308.521	0.401	4.000	308.842	-2.00	4.209	308.529	-150.00
-4.237	308.457	-150.00	-4.000	308.813	-2.00	711+0.000	308.893	308.498	0.395	4.000	308.813	-2.00	4.206	308.505	-150.00
-4.206	308.170	-150.00	-4.000	308.479	-2.00	712+0.000	308.559	308.198	0.361	4.000	308.479	-2.00	4.166	308.230	-150.00
-4.177	307.807	-150.00	-4.000	308.073	-2.00	713+0.000	308.153	307.845	0.307	4.000	308.073	-2.00	4.116	307.899	-150.00
-4.222	307.333	-150.00	-4.000	307.666	-2.00	714+0.000	307.746	307.393	0.353	4.000	307.666	-2.00	4.143	307.451	-150.00
-4.221	306.959	-150.00	-4.000	307.290	-2.00	715+0.000	307.370	307.012	0.358	4.000	307.290	-2.00	4.150	307.065	-150.00
-4.364	306.531	-150.00	-4.000	307.077	-2.00	716+0.000	307.157	306.655	0.502	4.000	307.077	-2.00	4.188	306.794	-150.00
-4.293	306.601	-150.00	-4.000	307.041	-2.00	717+0.000	307.121	306.714	0.407	4.000	307.041	-2.00	4.145	306.823	-150.00
-4.244	306.815	-150.00	-4.000	307.181	-2.00	718+0.000	307.261	306.921	0.340	4.000	307.181	-2.00	4.105	307.023	-150.00
-4.226	307.160	-150.00	-4.000	307.499	-2.00	719+0.000	307.579	307.245	0.333	4.000	307.499	-2.00	4.112	307.330	-150.00
-4.249	307.569	-150.00	-4.000	307.943	-2.00	720+0.000	308.023	307.640	0.383	4.000	307.943	-2.00	4.156	307.709	-150.00
-4.256	307.997	-150.00	-4.000	308.381	-2.00	721+0.000	308.461	308.081	0.381	4.000	308.381	-2.00	4.153	308.153	-150.00

Osvaldo Leoncio da S...
Diretor da Unidade de P...
Projetos e Obras - DUPO
Secretaria das C...

-4.263	308.113	-150.00	-4.000	308.507	-2.00	722+0.000	308.587	308.194	0.394	4.000	308.507	-2.00	4.149	308.284	-150.00
-4.240	308.269	-150.00	-4.000	308.630	-2.00	723+0.000	308.710	308.373	0.337	4.000	308.630	-2.00	4.105	308.473	-150.00
-4.239	308.394	-150.00	-4.000	308.752	-2.00	724+0.000	308.832	308.501	0.331	4.000	308.752	-2.00	4.098	308.605	-150.00
-4.297	308.429	-150.00	-4.000	308.875	-2.00	725+0.000	308.955	308.565	0.390	4.000	308.875	-2.00	4.130	308.680	-150.00
-4.275	308.538	-150.00	-4.000	308.950	-2.00	726+0.000	309.030	308.627	0.403	4.000	308.950	-2.00	4.164	308.705	-150.00
-4.267	308.577	-150.00	-4.000	308.978	-2.00	727+0.000	309.058	308.654	0.403	4.000	308.978	-2.00	4.166	308.729	-150.00
-4.265	308.518	-150.00	-4.000	308.915	-2.00	728+0.000	308.995	308.599	0.396	4.000	308.915	-2.00	4.157	308.679	-150.00
-4.266	308.359	-150.00	-4.000	308.758	-2.00	729+0.000	308.838	308.434	0.404	4.000	308.758	-2.00	4.169	308.504	-150.00
-4.261	308.068	-150.00	-4.000	308.460	-2.00	730+0.000	308.540	308.131	0.409	4.000	308.460	-2.00	4.189	308.176	-150.00
-4.232	307.590	-150.00	-4.000	307.939	-2.00	731+0.000	308.019	307.618	0.400	4.000	307.939	-2.00	4.201	307.637	-150.00
-4.260	306.833	-150.00	-4.000	307.223	-2.00	732+0.000	307.303	306.841	0.462	4.000	307.223	-2.00	4.249	306.849	-150.00
-4.224	306.171	-150.00	-4.000	306.508	-2.00	733+0.000	306.588	306.165	0.423	4.000	306.508	-2.00	4.235	306.156	-150.00
-4.231	305.545	-150.00	-4.000	305.891	-2.00	734+0.000	305.971	305.515	0.457	4.000	305.891	-2.00	4.272	305.484	-150.00
-4.154	305.122	-150.00	-4.000	305.353	-2.00	735+0.000	305.433	305.097	0.336	4.000	305.353	-2.00	4.188	305.072	-150.00
-4.126	305.206	-150.00	-4.000	305.395	-2.00	736+0.000	305.475	305.121	0.354	4.000	305.395	-2.00	4.231	305.049	-150.00
-4.218	305.499	-150.00	-4.000	305.826	-2.00	737+0.000	305.906	305.407	0.500	4.000	305.826	-2.00	4.329	305.333	-150.00
-4.171	306.002	-150.00	-4.000	306.258	-2.00	738+0.000	306.338	305.919	0.419	4.000	306.258	-2.00	4.282	305.834	-150.00
-4.140	306.372	-150.00	-4.000	306.581	-2.00	739+0.000	306.661	306.268	0.393	4.000	306.581	-2.00	4.275	306.169	-150.00
-4.118	306.787	-150.00	-4.000	306.964	-2.00	740+0.000	307.044	306.647	0.396	4.000	306.964	-2.00	4.309	306.501	-150.00
-4.157	306.607	-150.00	-4.000	306.843	-2.00	741+0.000	306.923	306.495	0.428	4.000	306.843	-2.00	4.308	306.381	-150.00
-4.132	306.390	-150.00	-4.000	306.588	-2.00	742+0.000	306.668	306.260	0.408	4.000	306.588	-2.00	4.312	306.119	-150.00
-4.122	306.042	-150.00	-4.000	306.224	-2.00	743+0.000	306.304	305.907	0.398	4.000	306.224	-2.00	4.311	305.758	-150.00
-4.116	305.738	-150.00	-4.000	305.913	-2.00	744+0.000	305.993	305.599	0.394	4.000	305.913	-2.00	4.313	305.443	-150.00
-4.101	305.493	-150.00	-4.000	305.645	-2.00	745+0.000	305.725	305.327	0.398	4.000	305.645	-2.00	4.329	305.152	-150.00
-4.104	305.421	-150.00	-4.000	305.577	-2.00	746+0.000	305.657	305.259	0.398	4.000	305.577	-2.00	4.325	305.089	-150.00
-4.105	305.392	-150.00	-4.000	305.549	-2.00	747+0.000	305.629	305.231	0.399	4.000	305.549	-2.00	4.326	305.060	-150.00
-4.133	305.606	-150.00	-4.000	305.805	-2.00	748+0.000	305.885	305.510	0.375	4.000	305.805	-2.00	4.274	305.394	-150.00
-4.142	305.484	-150.00	-4.000	305.696	-2.00	749+0.000	305.776	305.369	0.407	4.000	305.696	-2.00	4.298	305.250	-150.00
-4.162	305.205	-150.00	-4.000	305.448	-2.00	750+0.000	305.528	305.105	0.423	4.000	305.448	-2.00	4.297	305.002	-150.00
-4.155	304.912	-150.00	-4.000	305.145	-2.00	751+0.000	305.225	304.811	0.413	4.000	305.145	-2.00	4.269	304.742	-150.00
-4.136	304.314	-150.00	-4.000	304.518	-2.00	752+0.000	304.598	304.186	0.412	4.000	304.518	-2.00	4.293	304.078	-150.00
-4.108	303.777	-150.00	-4.000	303.939	-2.00	753+0.000	304.019	303.661	0.358	4.000	303.939	-2.00	4.283	303.513	-150.00
-4.028	303.608	-150.00	-4.000	303.650	-2.00	754+0.000	303.730	303.447	0.283	4.000	303.650	-2.00	4.313	303.180	-150.00
-4.020	303.374	66.67	-4.000	303.361	-2.00	755+0.000	303.441	303.112	0.329	4.000	303.361	-2.00	4.356	302.828	-150.00
-4.058	303.111	66.67	-4.000	303.072	-2.00	756+0.000	303.152	302.861	0.291	4.000	303.072	-2.00	4.318	302.595	-150.00
-4.071	302.607	-150.00	-4.000	302.713	-2.00	757+0.000	302.793	302.358	0.435	4.000	302.713	-2.00	4.416	302.089	-150.00
-4.044	302.072	-150.00	-4.000	302.137	-2.00	758+0.000	302.217	301.826	0.391	4.000	302.137	-2.00	4.385	301.559	-150.00
-4.198	301.472	66.67	-4.000	301.340	-2.00	759+0.000	301.420	301.252	0.167	4.000	301.340	-2.00	4.205	301.033	-150.00
-4.038	300.265	-150.00	-4.000	300.321	-2.00	760+0.000	300.401	300.039	0.362	4.000	300.321	-2.00	4.350	299.796	-150.00
-4.111	298.915	-150.00	-4.000	299.081	-2.00	761+0.000	299.161	298.690	0.472	4.000	299.081	-2.00	4.417	298.455	-150.00
-4.137	297.521	-150.00	-4.000	297.727	-2.00	762+0.000	297.807	297.314	0.493	4.000	297.727	-2.00	4.423	297.093	-150.00
-4.234	296.022	-150.00	-4.000	296.372	-2.00	763+0.000	296.452	295.879	0.573	4.000	296.372	-2.00	4.428	295.731	-150.00
-4.183	294.743	-150.00	-4.000	295.017	-2.00	764+0.000	295.097	294.613	0.485	4.000	295.017	-2.00	4.360	294.477	-150.00
-4.147	293.443	-150.00	-4.000	293.663	-2.00	765+0.000	293.743	293.328	0.415	4.000	293.663	-2.00	4.352	293.135	-150.00
-4.049	292.402	-150.00	-4.000	292.476	-2.00	766+0.000	292.556	292.219	0.336	4.000	292.476	-2.00	4.304	292.019	-150.00
-4.113	291.409	-150.00	-4.000	291.579	-2.00	767+0.000	291.659	291.250	0.409	4.000	291.579	-2.00	4.331	291.083	-150.00
-4.144	290.665	-150.00	-4.000	290.882	-2.00	768+0.000	290.962	290.558	0.404	4.000	290.882	-2.00	4.291	290.446	-150.00
-4.187	290.137	-150.00	-4.000	290.418	-2.00	769+0.000	290.498	290.129	0.369	4.000	290.418	-2.00	4.198	290.122	-150.00
-4.233	290.274	-150.00	-4.000	290.624	-2.00	770+0.000	290.704	290.309	0.394	4.000	290.624	-2.00	4.197	290.328	-150.00
-4.216	290.655	-150.00	-4.000	290.979	-2.00	771+0.000	291.059	290.681	0.378	4.000	290.979	-2.00	4.182	290.707	-150.00
-4.295	291.264	-150.00	-4.000	291.707	-2.00	772+0.000	291.787	291.389	0.398	4.000	291.707	-2.00	4.132	291.510	-150.00
-4.388	291.918	-150.00	-4.000	292.501	-2.00	773+0.000	292.581	292.185	0.396	4.000	292.501	-2.00	4.047	292.430	-150.00
-4.423	291.973	-150.00	-4.000	292.608	-2.00	774+0.000	292.688	292.231	0.456	4.000	292.608	-2.00	4.035	292.555	-150.00
-4.445	291.703	-150.00	-4.000	292.370	-2.00	775+0.000	292.450	292.026	0.424	4.000	292.370	-2.00	4.034	292.319	-150.00
-4.380	291.165	-150.00	-4.000	291.735	-2.00	776+0.000	291.815	291.395	0.419	4.000	291.735	-2.00	4.070	291.629	-150.00
-4.366	290.839	-150.00	-4.000	291.389	-2.00	777+0.000	291.469	291.114	0.355	4.000	291.389	-2.00	4.054	291.307	-150.00
-4.305	290.787	-150.00	-4.000	291.245	-2.00	778+0.000	291.325	290.951	0.374	4.000	291.245	-2.00	4.092	291.107	-150.00
-4.335	291.213	-150.00	-4.000	291.716	-2.00	779+0.000	291.796	291.422	0.374	4.000	291.716	-2.00	4.066	291.618	-150.00
-4.256	291.929	-150.00	-4.000	292.314	-2.00	780+0.000	292.394	292.031	0.363	4.000	292.314	-2.00	4.092	292.175	-150.00
-4.241	292.862	-150.00	-4.000	293.223	-2.00	781+0.000	293.303	292.926	0.377	4.000	293.223	-2.00	4.144	293.007	-150.00
-4.163	294.195	-150.00	-4.000	294.440	-2.00	782+0.000	294.520	294.170	0.350	4.000	294.440	-2.00	4.204	294.133	-150.00
-4.174	295.397	-150.00	-4.000	295.657	-2.00	783+0.000	295.737	295.357	0.380	4.000	295.657	-2.00	4.227	295.317	-150.00
-4.196	296.457	-150.00	-4.000	296.752	-2.00	784+0.000	296.832	296.425	0.407	4.000	296.752	-2.00	4.219	296.423	-150.00
-4.185	297.474	-150.00	-4.000	297.752	-2.00	785+0.000	297.832	297.479	0.353	4.000	297.752	-2.00	4.182	297.479	-150.00
-4.186	298.394	-150.00	-4.000	298.674	-2.00	786+0.000	298.754	298.409	0.345	4.000	298.674	-2.00	4.167	298.424	-150.00
-4.200	299.254	-150.00	-4.000	299.554	-2.00	787+0.000	299.634	299.262	0.372	4.000	299.554	-2.00	4.175	299.292	-150.00
-4.224	300.103	-150.00	-4.000	300.438	-2.00	788+0.000	300.518	300.136	0.382	4.000	300.438	-2.00	4.178	300.171	-150.00
-4.240	301.020	-150.00	-4.000	301.380	-2.00	789+0.000	301.460	301.071	0.389	4.000	301.380	-2.00	4.185	301.102	-150.00
-4.238	301.886	-150.00	-4.000	302.243	-2.00	790+0.000	302.323	301.920	0.403	4.000	302.243	-2.00	4.172	301.985	-150.00
-4.246	302.719	-150.00	-4.000	303.087	-2.00	791+0.000	303.167	302.772	0.395	4.000	303.087	-2.00	4.175	302.825	-150.00
-4.243	303.466	-150.00	-4.000	303.830	-2.00	792+0.000	303.910	303.502	0.408	4.000	303.830	-2.00	4.194	303.539	-150.00
-4.232	304.139	-150.00	-4.000	304.487	-2.00	793+0.000	304.567	304.170	0.397	4.000	304.487	-2.00	4.191	304.201	-150.00
-4.254	304.540	-150.00	-4.000	304.921	-2.00	794+0.000	305.001	304.580	0.422	4.000	304.921	-2.00	4.212	304.604	-150.00
-4.243	304.991	-150.00	-4.000	305.356	-2.00	795+0.000	305.436	305.011	0.425	4.000	305.356	-2.00	4.210	305.041	-150.00
-4.220	305.460	-150.00	-4.000	305.791	-2.00	796+0.000	305.871	305.471	0.400	4.000	305.791	-2.00	4.213	305.471	-150.00
-4.188	306.000	-150.00	-4.000	306.282	-2.00	797+0.000	306.362	305.975	0.386	4.000	306.282	-2.00	4.207	305.971	-150.00
-4.146	306.740	-150.00	-4.000	306.959	-2.00	798+0.000	307.039	306.694	0.345	4.000	306.959	-2.00	4.182	306.686	-150.00
-4.122	307.644	-150.00	-4.000	307.827	-2.00	799+0.000	307.907	307.592	0.315	4.000	307.827	-2.00	4.197	307.531	-150.00
-4.136	308.490	-150.00	-4.000	308.695	-2.00	800+0.000	308.775	308.425	0.350	4.000	308.695	-2.00	4.222	308.361	-150.00
-4.158	309.326	-150.00	-4.000	309.563	-2.00	801+0.000	309.643	309.244	0.399	4.000	309.563	-2.00	4.269	309.160	-150.00
-4.124	310.198	-150.00	-4.000	310.383	-2.00	802+0.000	310.463	310.069	0.395	4.000	310.383	-2.00	4.317	309.907	-150.00

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - SUPROJ
Secretaria das Cidades - SCidades

-4.127	310.703	-150.00	-4.000	310.894	-2.00	803+0.000	310.974	310.564	0.410	4.000	310.894	-2.00	4.321	310.412	-150.00
-4.130	311.145	-150.00	-4.000	311.339	-2.00	804+0.000	311.419	311.010	0.409	4.000	311.339	-2.00	4.331	310.842	-150.00
-4.131	311.451	-150.00	-4.000	311.648	-2.00	805+0.000	311.728	311.325	0.404	4.000	311.648	-2.00	4.304	311.193	-150.00
-4.132	311.674	-150.00	-4.000	311.872	-2.00	806+0.000	311.952	311.533	0.420	4.000	311.872	-2.00	4.318	311.395	-150.00
-4.105	311.876	-150.00	-4.000	312.033	-2.00	807+0.000	312.113	311.732	0.381	4.000	312.033	-2.00	4.323	311.549	-150.00
-4.171	311.552	-150.00	-4.000	311.808	-2.00	808+0.000	311.888	311.479	0.410	4.000	311.808	-2.00	4.288	311.377	-150.00
-4.158	311.066	-150.00	-4.000	311.303	-2.00	809+0.000	311.383	310.971	0.411	4.000	311.303	-2.00	4.285	310.874	-150.00
-4.167	310.407	-150.00	-4.000	310.658	-2.00	810+0.000	310.738	310.318	0.420	4.000	310.658	-2.00	4.271	310.252	-150.00
-4.231	309.617	-150.00	-4.000	309.963	-2.00	811+0.000	310.043	309.633	0.410	4.000	309.963	-2.00	4.268	309.562	-150.00
-4.252	308.681	-150.00	-4.000	309.060	-2.00	812+0.000	309.140	308.701	0.439	4.000	309.060	-2.00	4.226	308.721	-150.00
-4.224	307.732	-150.00	-4.000	308.068	-2.00	813+0.000	308.148	307.752	0.396	4.000	308.068	-2.00	4.196	307.773	-150.00
-4.196	306.787	-150.00	-4.000	307.081	-2.00	814+0.000	307.161	306.818	0.342	4.000	307.081	-2.00	4.155	306.849	-150.00
-4.220	305.864	-150.00	-4.000	306.193	-2.00	815+0.000	306.273	305.938	0.335	4.000	306.193	-2.00	4.138	305.986	-150.00
-4.287	305.011	-150.00	-4.000	305.442	-2.00	816+0.000	305.522	305.111	0.411	4.000	305.442	-2.00	4.137	305.237	-150.00
-4.308	304.330	-150.00	-4.000	304.792	-2.00	817+0.000	304.872	304.462	0.410	4.000	304.792	-2.00	4.135	304.589	-150.00
-4.314	304.114	-150.00	-4.000	304.585	-2.00	818+0.000	304.665	304.294	0.371	4.000	304.585	-2.00	4.081	304.463	-150.00
-4.330	304.043	-150.00	-4.000	304.537	-2.00	819+0.000	304.617	304.231	0.386	4.000	304.537	-2.00	4.110	304.372	-150.00
-4.305	304.236	-150.00	-4.000	304.693	-2.00	820+0.000	304.773	304.390	0.383	4.000	304.693	-2.00	4.104	304.537	-150.00
-4.325	304.476	-150.00	-4.000	304.964	-2.00	821+0.000	305.044	304.664	0.379	4.000	304.964	-2.00	4.081	304.841	-150.00
-4.309	304.920	-150.00	-4.000	305.384	-2.00	822+0.000	305.464	305.083	0.381	4.000	305.384	-2.00	4.100	305.234	-150.00
-4.275	305.392	-150.00	-4.000	305.804	-2.00	823+0.000	305.884	305.503	0.382	4.000	305.804	-2.00	4.132	305.607	-150.00
-4.279	305.799	-150.00	-4.000	306.218	-2.00	824+0.000	306.298	305.906	0.392	4.000	306.218	-2.00	4.144	306.002	-150.00
-4.276	306.135	-150.00	-4.000	306.549	-2.00	825+0.000	306.629	306.232	0.397	4.000	306.549	-2.00	4.149	306.325	-150.00
-4.258	306.477	-150.00	-4.000	306.864	-2.00	826+0.000	306.944	306.546	0.398	4.000	306.864	-2.00	4.184	306.588	-150.00
-4.245	306.711	-150.00	-4.000	307.078	-2.00	827+0.000	307.158	306.753	0.405	4.000	307.078	-2.00	4.189	306.795	-150.00
-4.224	306.798	-150.00	-4.000	307.134	-2.00	828+0.000	307.214	306.814	0.400	4.000	307.134	-2.00	4.203	306.830	-150.00
-4.215	306.755	-150.00	-4.000	307.078	-2.00	829+0.000	307.158	306.759	0.399	4.000	307.078	-2.00	4.163	306.834	-150.00
-4.262	306.792	-150.00	-4.000	307.185	-2.00	830+0.000	307.265	306.865	0.400	4.000	307.185	-2.00	4.166	306.936	-150.00
-4.252	306.853	-150.00	-4.000	307.232	-2.00	831+0.000	307.312	306.902	0.410	4.000	307.232	-2.00	4.188	306.950	-150.00
-4.263	306.635	-150.00	-4.000	307.030	-2.00	832+0.000	307.110	306.711	0.399	4.000	307.030	-2.00	4.164	306.785	-150.00
-4.240	306.841	-150.00	-4.000	307.201	-2.00	833+0.000	307.281	306.939	0.341	4.000	307.201	-2.00	4.111	307.034	-150.00
-4.216	307.275	-150.00	-4.000	307.599	-2.00	834+0.000	307.679	307.346	0.333	4.000	307.599	-2.00	4.122	307.416	-150.00
-4.212	307.681	-150.00	-4.000	307.998	-2.00	835+0.000	308.078	307.749	0.329	4.000	307.998	-2.00	4.122	307.815	-150.00
-4.254	308.016	-150.00	-4.000	308.397	-2.00	836+0.000	308.477	308.097	0.380	4.000	308.397	-2.00	4.180	308.127	-150.00
-4.271	308.322	-150.00	-4.000	308.728	-2.00	837+0.000	308.808	308.428	0.380	4.000	308.728	-2.00	4.155	308.495	-150.00
-4.286	308.134	-150.00	-4.000	308.563	-2.00	838+0.000	308.643	308.233	0.410	4.000	308.563	-2.00	4.166	308.315	-150.00
-4.304	307.761	-150.00	-4.000	308.218	-2.00	839+0.000	308.298	307.879	0.419	4.000	308.218	-2.00	4.150	307.992	-150.00
-4.296	307.263	-150.00	-4.000	307.708	-2.00	840+0.000	307.788	307.378	0.410	4.000	307.708	-2.00	4.147	307.488	-150.00
-4.288	306.623	-150.00	-4.000	307.054	-2.00	841+0.000	307.134	306.720	0.414	4.000	307.054	-2.00	4.160	306.814	-150.00
-4.289	305.927	-150.00	-4.000	306.361	-2.00	842+0.000	306.441	306.024	0.416	4.000	306.361	-2.00	4.161	306.119	-150.00
-4.253	305.190	-150.00	-4.000	305.568	-2.00	843+0.000	305.648	305.236	0.413	4.000	305.568	-2.00	4.191	305.281	-150.00
-4.241	304.560	-150.00	-4.000	304.921	-2.00	844+0.000	305.001	304.617	0.384	4.000	304.921	-2.00	4.165	304.673	-150.00
-4.231	304.031	-150.00	-4.000	304.378	-2.00	845+0.000	304.458	304.058	0.400	4.000	304.378	-2.00	4.195	304.086	-150.00
-4.167	303.777	-150.00	-4.000	304.028	-2.00	846+0.000	304.108	303.723	0.385	4.000	304.028	-2.00	4.186	303.749	-150.00
-4.200	303.878	-150.00	-4.000	304.177	-2.00	847+0.000	304.257	303.829	0.428	4.000	304.177	-2.00	4.265	303.779	-150.00
-4.297	304.176	-150.00	-4.000	304.621	-2.00	848+0.000	304.701	304.137	0.564	4.000	304.621	-2.00	4.349	304.098	-150.00
-4.244	304.698	-150.00	-4.000	305.064	-2.00	849+0.000	305.144	304.666	0.478	4.000	305.064	-2.00	4.287	304.634	-150.00
-4.191	305.269	-150.00	-4.000	305.556	-2.00	850+0.000	305.636	305.241	0.395	4.000	305.556	-2.00	4.229	305.213	-150.00
-4.198	305.889	-150.00	-4.000	306.185	-2.00	851+0.000	306.265	305.881	0.384	4.000	306.185	-2.00	4.207	305.874	-150.00
-4.198	306.620	-150.00	-4.000	306.918	-2.00	852+0.000	306.998	306.612	0.386	4.000	306.918	-2.00	4.209	306.604	-150.00
-4.237	307.300	-150.00	-4.000	307.656	-2.00	853+0.000	307.736	307.351	0.385	4.000	307.656	-2.00	4.200	307.356	-150.00
-4.235	307.993	-150.00	-4.000	308.345	-2.00	854+0.000	308.425	308.048	0.377	4.000	308.345	-2.00	4.178	308.079	-150.00
-4.316	308.546	-150.00	-4.000	309.021	-2.00	855+0.000	309.101	308.683	0.417	4.000	309.021	-2.00	4.137	308.815	-150.00
-4.299	309.164	-150.00	-4.000	309.613	-2.00	856+0.000	309.693	309.293	0.400	4.000	309.613	-2.00	4.131	309.417	-150.00
-4.321	309.408	-150.00	-4.000	309.891	-2.00	857+0.000	309.971	309.575	0.396	4.000	309.891	-2.00	4.107	309.730	-150.00
-4.331	309.409	-150.00	-4.000	309.906	-2.00	858+0.000	309.986	309.573	0.413	4.000	309.906	-2.00	4.106	309.748	-150.00
-4.335	309.373	-150.00	-4.000	309.876	-2.00	859+0.000	309.956	309.557	0.400	4.000	309.876	-2.00	4.098	309.730	-150.00
-4.326	309.294	-150.00	-4.000	309.784	-2.00	860+0.000	309.864	309.477	0.387	4.000	309.784	-2.00	4.089	309.650	-150.00
-4.315	309.258	-150.00	-4.000	309.731	-2.00	861+0.000	309.811	309.421	0.389	4.000	309.731	-2.00	4.090	309.596	-150.00
-4.314	309.268	-150.00	-4.000	309.739	-2.00	862+0.000	309.819	309.432	0.387	4.000	309.739	-2.00	4.101	309.587	-150.00
-4.331	309.353	-150.00	-4.000	309.850	-2.00	863+0.000	309.930	309.552	0.378	4.000	309.850	-2.00	4.074	309.739	-150.00
-4.293	309.582	-150.00	-4.000	310.021	-2.00	864+0.000	310.101	309.717	0.384	4.000	310.021	-2.00	4.111	309.854	-150.00
-4.326	310.109	-150.00	-4.000	310.599	-2.00	865+0.000	310.679	310.310	0.369	4.000	310.599	-2.00	4.100	310.448	-150.00
-4.327	310.751	-150.00	-4.000	311.242	-2.00	866+0.000	311.322	310.935	0.387	4.000	311.242	-2.00	4.132	311.043	-150.00
-4.284	311.357	-150.00	-4.000	311.783	-2.00	867+0.000	311.863	311.467	0.397	4.000	311.783	-2.00	4.129	311.590	-150.00
-4.286	311.871	-150.00	-4.000	312.301	-2.00	868+0.000	312.381	311.990	0.391	4.000	312.301	-2.00	4.127	312.110	-150.00
-4.279	312.279	-150.00	-4.000	312.698	-2.00	869+0.000	312.778	312.380	0.398	4.000	312.698	-2.00	4.146	312.479	-150.00
-4.275	312.644	-150.00	-4.000	313.057	-2.00	870+0.000	313.137	312.744	0.393	4.000	313.057	-2.00	4.149	312.834	-150.00
-4.257	312.929	-150.00	-4.000	313.315	-2.00	871+0.000	313.395	313.005	0.390	4.000	313.315	-2.00	4.155	313.083	-150.00
-4.235	313.203	-150.00	-4.000	313.555	-2.00	872+0.000	313.635	313.275	0.360	4.000	313.555	-2.00	4.145	313.337	-150.00
-4.245	313.428	-150.00	-4.000	313.795	-2.00	873+0.000	313.875	313.491	0.383	4.000	313.795	-2.00	4.151	313.569	-150.00
-4.281	313.587	-150.00	-4.000	314.009	-2.00	874+0.000	314.089	313.684	0.404	4.000	314.009	-2.00	4.132	313.811	-150.00
-4.322	313.548	-150.00	-4.000	314.031	-2.00	875+0.000	314.111	313.706	0.404	4.000	314.031	-2.00	4.116	313.857	-150.00
-4.310	313.530	-150.00	-4.000	313.996	-2.00	876+0.000	314.076	313.662	0.414	4.000	313.996	-2.00	4.139	313.788	-150.00
-4.333	313.300	-150.00	-4.000	313.800	-2.00	877+0.000	313.880	313.473	0.407	4.000	313.800	-2.00	4.121	313.619	-150.00
-4.327	312.970	-150.00	-4.000	313.461	-2.00	878+0.000	313.541	313.127	0.414	4.000	313.461	-2.00	4.122	313.278	-150.00
-4.322	312.575	-150.00	-4.000	313.057	-2.00	879+0.000	313.137	312.734	0.403	4.000	313.057	-2.00	4.115	312.885	-150.00
-4.316	312.264	-150.00	-4.000	312.738	-2.00	880+0.000	312.818	312.417	0.401	4.000	312.738	-2.00	4.113	312.568	-150.00
-4.324	311.999	-150.00	-4.000	312.485	-2.00	881+0.000	312.565	312.165	0.400	4.000	312.485	-2.00	4.101	312.333	-150.00
-4.320	311.921	-150.00	-4.000	312.401	-2.00	882+0.000	312.481	312.098	0.383	4.000	312.401	-2.00	4.105	312.243	-150.00
-4.309	311.905	-150.00	-4.000	312.369	-2.00	883+0.000	312.449	312.057	0.393	4.000	312.369	-2.00	4.104	312.214	-150.00

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades (Secid)

-4.292	312.050	-150.00	-4.000	312.489	-2.00	884+0.000	312.569	312.199	0.369	4.000	312.489	-2.00	4.098	312.342	-150.00
-4.280	312.188	-150.00	-4.000	312.608	-2.00	885+0.000	312.688	312.338	0.350	4.000	312.608	-2.00	4.084	312.482	-150.00
-4.256	312.343	-150.00	-4.000	312.727	-2.00	886+0.000	312.807	312.479	0.329	4.000	312.727	-2.00	4.074	312.616	-150.00
-4.258	312.461	-150.00	-4.000	312.847	-2.00	887+0.000	312.927	312.583	0.344	4.000	312.847	-2.00	4.092	312.708	-150.00
-4.297	312.521	-150.00	-4.000	312.966	-2.00	888+0.000	313.046	312.652	0.395	4.000	312.966	-2.00	4.123	312.781	-150.00
-4.283	312.488	-150.00	-4.000	312.911	-2.00	889+0.000	312.991	312.584	0.407	4.000	312.911	-2.00	4.156	312.677	-150.00
-4.284	312.385	-150.00	-4.000	312.811	-2.00	890+0.000	312.891	312.481	0.410	4.000	312.811	-2.00	4.156	312.576	-150.00
-4.269	312.307	-150.00	-4.000	312.710	-2.00	891+0.000	312.790	312.391	0.399	4.000	312.710	-2.00	4.147	312.490	-150.00
-4.260	312.319	-150.00	-4.000	312.708	-2.00	892+0.000	312.788	312.392	0.396	4.000	312.708	-2.00	4.163	312.465	-150.00
-4.251	312.338	-150.00	-4.000	312.715	-2.00	893+0.000	312.795	312.414	0.381	4.000	312.715	-2.00	4.151	312.489	-150.00
-4.280	312.302	-150.00	-4.000	312.722	-2.00	894+0.000	312.802	312.398	0.404	4.000	312.722	-2.00	4.153	312.492	-150.00
-4.291	312.290	-150.00	-4.000	312.725	-2.00	895+0.000	312.805	312.400	0.405	4.000	312.725	-2.00	4.146	312.507	-150.00
-4.240	312.189	-150.00	-4.000	312.550	-2.00	896+0.000	312.630	312.298	0.332	4.000	312.550	-2.00	4.097	312.404	-150.00
-4.193	312.050	-150.00	-4.000	312.340	-2.00	897+0.000	312.420	312.159	0.261	4.000	312.340	-2.00	4.039	312.281	-150.00
-4.136	311.926	-150.00	-4.000	312.130	-2.00	898+0.000	312.210	312.050	0.160	4.000	312.130	-2.00	4.059	312.169	66.67
-4.247	311.614	-150.00	-4.000	311.984	-2.00	899+0.000	312.064	311.739	0.325	4.000	311.984	-2.00	4.078	311.868	-150.00
-4.323	311.365	-150.00	-4.000	311.850	-2.00	900+0.000	311.930	311.514	0.416	4.000	311.850	-2.00	4.127	311.660	-150.00
-4.306	311.257	-150.00	-4.000	311.716	-2.00	901+0.000	311.796	311.418	0.378	4.000	311.716	-2.00	4.093	311.576	-150.00
-4.268	311.183	-150.00	-4.000	311.585	-2.00	902+0.000	311.665	311.346	0.319	4.000	311.585	-2.00	4.052	311.507	-150.00
-4.270	311.152	-150.00	-4.000	311.557	-2.00	903+0.000	311.637	311.312	0.325	4.000	311.557	-2.00	4.062	311.464	-150.00
-4.336	311.166	-150.00	-4.000	311.670	-2.00	904+0.000	311.750	311.312	0.438	4.000	311.670	-2.00	4.145	311.452	-150.00
-4.284	311.386	-150.00	-4.000	311.811	-2.00	905+0.000	311.891	311.506	0.385	4.000	311.811	-2.00	4.126	311.622	-150.00
-4.296	311.402	-150.00	-4.000	311.846	-2.00	906+0.000	311.926	311.524	0.402	4.000	311.846	-2.00	4.136	311.641	-150.00
-4.280	311.477	-150.00	-4.000	311.897	-2.00	907+0.000	311.977	311.610	0.367	4.000	311.897	-2.00	4.116	311.723	-150.00
-4.233	311.636	-150.00	-4.000	311.986	-2.00	908+0.000	312.066	311.701	0.365	4.000	311.986	-2.00	4.147	311.765	-150.00
-4.256	311.691	-150.00	-4.000	312.075	-2.00	909+0.000	312.155	311.762	0.393	4.000	312.075	-2.00	4.165	311.827	-150.00
-4.227	311.820	-150.00	-4.000	312.161	-2.00	910+0.000	312.241	311.837	0.403	4.000	312.161	-2.00	4.226	311.822	-150.00
-4.201	311.714	-150.00	-4.000	312.016	-2.00	911+0.000	312.096	311.688	0.409	4.000	312.016	-2.00	4.237	311.661	-150.00
-4.188	311.519	-150.00	-4.000	311.800	-2.00	912+0.000	311.880	311.488	0.393	4.000	311.800	-2.00	4.230	311.456	-150.00
-4.162	311.282	-150.00	-4.000	311.524	-2.00	913+0.000	311.604	311.224	0.380	4.000	311.524	-2.00	4.241	311.162	-150.00
-4.168	310.996	-150.00	-4.000	311.247	-2.00	914+0.000	311.327	310.929	0.398	4.000	311.247	-2.00	4.253	310.868	-150.00
-4.119	310.950	-150.00	-4.000	311.129	-2.00	915+0.000	311.209	310.866	0.343	4.000	311.129	-2.00	4.294	310.688	-150.00
-4.064	311.160	-150.00	-4.000	311.256	-2.00	916+0.000	311.336	310.957	0.379	4.000	311.256	-2.00	4.344	310.740	-150.00
-4.080	311.343	-150.00	-4.000	311.462	-2.00	917+0.000	311.542	311.157	0.385	4.000	311.462	-2.00	4.335	310.960	-150.00
-4.079	311.663	-150.00	-4.000	311.782	-2.00	918+0.000	311.862	311.462	0.400	4.000	311.782	-2.00	4.389	311.199	-150.00
-4.086	311.972	-150.00	-4.000	312.101	-2.00	919+0.000	312.181	311.759	0.421	4.000	312.101	-2.00	4.380	311.531	-150.00
-4.046	312.306	-150.00	-4.000	312.375	-2.00	920+0.000	312.455	312.052	0.403	4.000	312.375	-2.00	4.399	311.777	-150.00
-4.045	312.366	-150.00	-4.000	312.433	-2.00	921+0.000	312.513	312.130	0.382	4.000	312.433	-2.00	4.384	311.857	-150.00
-4.078	312.400	-150.00	-4.000	312.518	-2.00	922+0.000	312.598	312.199	0.398	4.000	312.518	-2.00	4.356	311.984	-150.00
-4.086	312.578	-150.00	-4.000	312.707	-2.00	923+0.000	312.787	312.381	0.407	4.000	312.707	-2.00	4.363	312.163	-150.00
-4.159	312.658	-150.00	-4.000	312.897	-2.00	924+0.000	312.977	312.529	0.449	4.000	312.897	-2.00	4.330	312.403	-150.00
-4.163	312.843	-150.00	-4.000	313.087	-2.00	925+0.000	313.167	312.726	0.441	4.000	313.087	-2.00	4.322	312.605	-150.00
-4.183	312.720	-150.00	-4.000	312.995	-2.00	926+0.000	313.075	312.676	0.399	4.000	312.995	-2.00	4.242	312.631	-150.00
-4.256	312.554	-150.00	-4.000	312.938	-2.00	927+0.000	313.018	312.622	0.396	4.000	312.938	-2.00	4.166	312.689	-150.00
-4.256	312.553	-150.00	-4.000	312.937	-2.00	928+0.000	313.017	312.615	0.403	4.000	312.937	-2.00	4.166	312.688	-150.00
-4.286	312.450	-150.00	-4.000	312.878	-2.00	929+0.000	312.958	312.540	0.418	4.000	312.878	-2.00	4.167	312.628	-150.00
-4.289	312.013	-150.00	-4.000	312.446	-2.00	930+0.000	312.526	312.101	0.425	4.000	312.446	-2.00	4.169	312.192	-150.00
-4.363	311.222	-150.00	-4.000	311.767	-2.00	931+0.000	311.847	311.419	0.429	4.000	311.767	-2.00	4.066	311.669	-150.00
-4.402	310.330	-150.00	-4.000	310.933	-2.00	932+0.000	311.013	310.601	0.412	4.000	310.933	-2.00	4.057	310.847	-150.00
-4.467	308.967	-150.00	-4.000	309.668	-2.00	933+0.000	309.748	309.323	0.425	4.000	309.668	-2.00	4.017	309.643	-150.00
-4.461	307.587	-150.00	-4.000	308.280	-2.00	934+0.000	308.360	307.930	0.430	4.000	308.280	-2.00	4.027	308.239	-150.00
-4.556	306.058	-150.00	-4.000	306.891	-2.00	935+0.000	306.971	306.450	0.521	4.000	306.891	-2.00	4.061	306.800	-150.00
-4.483	304.779	-150.00	-4.000	305.503	-2.00	936+0.000	305.583	305.144	0.439	4.000	305.503	-2.00	4.019	305.475	-150.00
-4.435	303.681	-150.00	-4.000	304.334	-2.00	937+0.000	304.414	304.015	0.399	4.000	304.334	-2.00	4.012	304.317	-150.00
-4.445	302.770	-150.00	-4.000	303.438	-2.00	938+0.000	303.518	303.128	0.389	4.000	303.438	-2.00	4.006	303.429	-150.00
-4.438	302.066	-150.00	-4.000	302.724	-2.00	939+0.000	302.804	302.413	0.390	4.000	302.724	-2.00			
-4.455	301.435	-150.00	-4.000	302.117	-2.00	940+0.000	302.197	301.793	0.404	4.000	302.117	-2.00	4.006	302.108	-150.00
-4.474	300.965	-150.00	-4.000	301.677	-2.00	941+0.000	301.757	301.342	0.415	4.000	301.677	-2.00	4.022	301.644	-150.00
-4.463	300.542	-150.00	-4.000	301.237	-2.00	942+0.000	301.317	300.913	0.403	4.000	301.237	-2.00	4.007	301.226	-150.00
-4.521	299.916	-150.00	-4.000	300.697	-2.00	943+0.000	300.777	300.359	0.418	4.000	300.697	-2.00	4.081	300.752	66.67
-4.513	299.201	-150.00	-4.000	299.970	-2.00	944+0.000	300.050	299.662	0.388	4.000	299.970	-2.00	4.142	300.064	66.67
-4.492	298.351	-150.00	-4.000	299.089	-2.00	945+0.000	299.169	298.832	0.337	4.000	299.089	-2.00	4.306	299.293	66.67
-4.673	297.854	-150.00	-4.000	298.864	-2.00	946+0.000	298.944	298.491	0.453	4.000	298.864	-2.00	4.312	299.072	66.67
-4.382	299.000	-150.00	-4.000	299.573	-2.00	947+0.000	299.653	299.331	0.322	4.000	299.573	-2.00			
-4.208	299.923	-150.00	-4.000	300.234	-2.00	948+0.000	300.314	300.152	0.162	4.000	300.234	-2.00	4.041	300.262	66.67
-4.285	298.878	-150.00	-4.000	299.307	-2.00	949+0.000	299.387	298.953	0.433	4.000	299.307	-2.00	4.196	299.012	-150.00
-4.259	297.394	-150.00	-4.000	297.782	-2.00	950+0.000	297.862	297.392	0.470	4.000	297.782	-2.00	4.271	297.375	-150.00
-4.246	295.194	-150.00	-4.000	295.562	-2.00	951+0.000	295.642	295.185	0.457	4.000	295.562	-2.00	4.257	295.177	-150.00
-4.225	292.591	-150.00	-4.000	292.928	-2.00	952+0.000	293.008	292.543	0.465	4.000	292.928	-2.00	4.280	292.508	-150.00
-4.289	289.805	-150.00	-4.000	290.239	-2.00	953+0.000	290.319	289.874	0.445	4.000	290.239	-2.00	4.198	289.942	-150.00
-4.350	287.601	-150.00	-4.000	288.125	-2.00	954+0.000	288.205	287.698	0.507	4.000	288.125	-2.00	4.233	287.776	-150.00
-4.479	285.336	-150.00	-4.000	286.054	-2.00	955+0.000	286.134	285.600	0.534	4.000	286.054	-2.00	4.118	285.878	-150.00
-4.370	283.507	-150.00	-4.000	284.062	-2.00	956+0.000	284.142	283.825	0.317	4.000	284.062	-2.00	4.091	284.123	66.67
-4.483	281.960	-150.00	-4.000	282.684	-2.00	957+0.000	282.764	282.428	0.337	4.000	282.684	-2.00	4.286	282.875	66.67
-4.567	281.171	-150.00	-4.000	282.021	-2.00	958+0.000	282.101	281.676	0.425	4.000	282.021	-2.00	4.177	282.139	66.67
-4.353	281.543	-150.00	-4.000	282.072	-2.00	959+0.000	282.152	281.642	0.510	4.000	282.072	-2.00	4.022	282.038	-150.00
-4.456	282.012	-150.00	-4.000	282.696	-2.00	960+0.000	282.776	282.352	0.424	4.000	282.696	-2.00	4.024	282.660	-150.00
-4.377	282.620	-150.00	-4.000	283.186	-2.00	961+0.000	283.266	282.885	0.381	4.000	283.186	-2.00	4.020	283.156	-150.00
-4.311	282.979	-150.00	-4.000	283.445	-2.00	962+0.000	283.525	283.119	0.406	4.000	283.445	-2.00	4.044	283.475	66.67
-4.539	282.855	-150.00	-4.000	283.663	-2.00	963+0.000	283.743	283.282	0.461	4.000	283.663	-2.00			
-4.371	282.320	-150.00	-4.000	282.876	-2.00	964+0.000	282.956	282.542	0.414	4.000	282.876	-2.00	4.085	282.749	-150.00

Osvaldo Leôncio da Silva [illegible]
Diretor da Unidade de Programas, Projetos e Obras - DUPPO
Secretaria [illegible]

-4.608	281.594	-150.00	-4.000	282.506	-2.00	965+0.000	282.586	282.143	0.443	4.000	282.506	-2.00	4.207	282.645	66.67
-4.511	281.494	-150.00	-4.000	282.261	-2.00	966+0.000	282.341	281.946	0.395	4.000	282.261	-2.00	4.072	282.309	66.67
-4.460	280.722	-150.00	-4.000	281.412	-2.00	967+0.000	281.492	281.048	0.444	4.000	281.412	-2.00	4.045	281.344	-150.00
-4.378	279.845	-150.00	-4.000	280.412	-2.00	968+0.000	280.492	280.087	0.404	4.000	280.412	-2.00	4.066	280.313	-150.00
-4.395	279.398	-150.00	-4.000	279.990	-2.00	969+0.000	280.070	279.671	0.399	4.000	279.990	-2.00	4.044	279.923	-150.00
-4.392	279.305	-150.00	-4.000	279.894	-2.00	970+0.000	279.974	279.561	0.413	4.000	279.894	-2.00	4.064	279.797	-150.00
-4.336	279.788	-150.00	-4.000	280.291	-2.00	971+0.000	280.371	280.042	0.329	4.000	280.291	-2.00	4.037	280.236	-150.00
-4.170	280.822	-150.00	-4.000	281.077	-2.00	972+0.000	281.157	280.749	0.407	4.000	281.077	-2.00	4.108	280.914	-150.00
-4.115	282.170	-150.00	-4.000	282.342	-2.00	973+0.000	282.422	282.050	0.372	4.000	282.342	-2.00	4.226	282.003	-150.00
-4.154	284.328	-150.00	-4.000	284.559	-2.00	974+0.000	284.639	284.351	0.289	4.000	284.559	-2.00	4.124	284.374	-150.00
-4.210	286.602	-150.00	-4.000	286.917	-2.00	975+0.000	286.997	286.628	0.370	4.000	286.917	-2.00	4.176	286.653	-150.00
-4.200	288.723	-150.00	-4.000	289.023	-2.00	976+0.000	289.103	288.738	0.364	4.000	289.023	-2.00	4.285	288.595	-150.00
-4.140	291.162	-150.00	-4.000	291.372	-2.00	977+0.000	291.452	291.111	0.341	4.000	291.372	-2.00	4.207	291.061	-150.00
-4.161	293.753	-150.00	-4.000	293.994	-2.00	978+0.000	294.074	293.721	0.353	4.000	293.994	-2.00	4.214	293.672	-150.00
-4.164	296.208	-150.00	-4.000	296.454	-2.00	979+0.000	296.534	296.167	0.367	4.000	296.454	-2.00	4.219	296.125	-150.00
-4.080	298.708	-150.00	-4.000	298.828	-2.00	980+0.000	298.908	298.536	0.372	4.000	298.828	-2.00	4.343	298.313	-150.00
-4.063	300.645	-150.00	-4.000	300.738	-2.00	981+0.000	300.818	300.454	0.365	4.000	300.738	-2.00	4.325	300.251	-150.00
-4.076	302.593	-150.00	-4.000	302.707	-2.00	982+0.000	302.787	302.424	0.363	4.000	302.707	-2.00	4.308	302.246	-150.00
-4.249	304.113	-150.00	-4.000	304.486	-2.00	983+0.000	304.566	304.159	0.407	4.000	304.486	-2.00	4.188	304.205	-150.00
-4.145	305.107	-150.00	-4.000	305.325	-2.00	984+0.000	305.405	304.995	0.409	4.000	305.325	-2.00	4.297	304.880	-150.00
-4.152	305.377	-150.00	-4.000	305.605	-2.00	985+0.000	305.685	305.288	0.397	4.000	305.605	-2.00	4.307	305.146	-150.00
-4.167	305.393	-150.00	-4.000	305.643	-2.00	986+0.000	305.723	305.296	0.427	4.000	305.643	-2.00	4.377	305.078	-150.00
-4.091	305.265	-150.00	-4.000	305.402	-2.00	987+0.000	305.482	305.084	0.397	4.000	305.402	-2.00	4.366	304.853	-150.00
-4.064	305.383	-150.00	-4.000	305.479	-2.00	988+0.000	305.559	305.203	0.355	4.000	305.479	-2.00	4.300	305.028	-150.00
-4.062	305.716	-150.00	-4.000	305.809	-2.00	989+0.000	305.889	305.534	0.355	4.000	305.809	-2.00	4.307	305.348	-150.00
-4.152	306.910	-150.00	-4.000	307.137	-2.00	990+0.000	307.217	306.859	0.359	4.000	307.137	-2.00	4.221	306.806	-150.00
-4.102	308.463	-150.00	-4.000	308.616	-2.00	991+0.000	308.696	308.314	0.382	4.000	308.616	-2.00	4.448	307.944	-150.00
-4.038	309.884	66.67	-4.000	309.859	-2.00	992+0.000	309.939	309.567	0.372	4.000	309.859	-2.00	4.427	309.219	-150.00
-4.006	311.245	-150.00	-4.000	311.254	-2.00	993+0.000	311.334	310.971	0.363	4.000	311.254	-2.00	4.388	310.672	-150.00
-4.051	312.830	-150.00	-4.000	312.906	-2.00	994+0.000	312.986	312.631	0.355	4.000	312.906	-2.00	4.386	312.327	-150.00
-4.117	313.641	-150.00	-4.000	313.816	-2.00	995+0.000	313.896	313.497	0.399	4.000	313.816	-2.00	4.313	313.346	-150.00
-4.109	314.188	-150.00	-4.000	314.352	-2.00	996+0.000	314.432	314.044	0.388	4.000	314.352	-2.00	4.318	313.875	-150.00
-4.100	314.516	-150.00	-4.000	314.666	-2.00	997+0.000	314.746	314.348	0.398	4.000	314.666	-2.00	4.331	314.170	-150.00
-4.159	314.699	-150.00	-4.000	314.938	-2.00	998+0.000	315.018	314.615	0.404	4.000	314.938	-2.00	4.304	314.482	-150.00
-4.135	314.911	-150.00	-4.000	315.113	-2.00	999+0.000	315.193	314.794	0.399	4.000	315.113	-2.00	4.293	314.673	-150.00
-4.147	315.247	-150.00	-4.000	315.467	-2.00	1000+0.000	315.547	315.168	0.379	4.000	315.467	-2.00	4.253	315.088	-150.00
-4.254	315.638	-150.00	-4.000	316.020	-2.00	1001+0.000	316.100	315.705	0.395	4.000	316.020	-2.00	4.238	315.663	-150.00
-4.261	315.850	-150.00	-4.000	316.242	-2.00	1002+0.000	316.322	315.908	0.414	4.000	316.242	-2.00	4.203	315.937	-150.00
-4.266	316.035	-150.00	-4.000	316.433	-2.00	1003+0.000	316.513	316.065	0.448	4.000	316.433	-2.00	4.213	316.114	-150.00
-4.182	316.362	-150.00	-4.000	316.634	-2.00	1004+0.000	316.714	316.359	0.355	4.000	316.634	-2.00	4.153	316.405	-150.00
-4.259	316.817	-150.00	-4.000	317.206	-2.00	1005+0.000	317.286	316.895	0.390	4.000	317.206	-2.00	4.155	316.973	-150.00
-4.232	317.802	-150.00	-4.000	318.151	-2.00	1006+0.000	318.231	317.881	0.350	4.000	318.151	-2.00	4.127	317.960	-150.00
-4.273	318.689	-150.00	-4.000	319.098	-2.00	1007+0.000	319.178	318.789	0.389	4.000	319.098	-2.00	4.159	318.860	-150.00
-4.319	319.434	-150.00	-4.000	319.913	-2.00	1008+0.000	319.993	319.519	0.474	4.000	319.913	-2.00	4.215	319.591	-150.00
-4.286	320.124	-150.00	-4.000	320.553	-2.00	1009+0.000	320.633	320.164	0.469	4.000	320.553	-2.00	4.236	320.200	-150.00
-4.307	320.557	-150.00	-4.000	321.017	-2.00	1010+0.000	321.097	320.608	0.490	4.000	321.017	-2.00	4.240	320.658	-150.00
-4.253	320.927	-150.00	-4.000	321.307	-2.00	1011+0.000	321.387	320.937	0.450	4.000	321.307	-2.00	4.240	320.946	-150.00
-4.238	321.089	-150.00	-4.000	321.446	-2.00	1012+0.000	321.526	321.106	0.419	4.000	321.446	-2.00	4.214	321.124	-150.00
-4.162	321.499	-150.00	-4.000	321.742	-2.00	1013+0.000	321.822	321.470	0.351	4.000	321.742	-2.00	4.200	321.441	-150.00
-4.185	321.814	-150.00	-4.000	322.091	-2.00	1014+0.000	322.171	321.782	0.389	4.000	322.091	-2.00	4.235	321.739	-150.00
-4.229	322.396	-150.00	-4.000	322.740	-2.00	1015+0.000	322.820	322.445	0.375	4.000	322.740	-2.00	4.224	322.404	-150.00
-4.212	323.341	-150.00	-4.000	323.658	-2.00	1016+0.000	323.738	323.326	0.413	4.000	323.658	-2.00	4.258	323.271	-150.00
-4.279	324.098	-150.00	-4.000	324.517	-2.00	1017+0.000	324.597	324.199	0.398	4.000	324.517	-2.00	4.183	324.243	-150.00
-4.273	324.667	-150.00	-4.000	325.076	-2.00	1018+0.000	325.156	324.762	0.394	4.000	325.076	-2.00	4.147	324.855	-150.00
-4.249	324.971	-150.00	-4.000	325.344	-2.00	1019+0.000	325.424	325.008	0.416	4.000	325.344	-2.00	4.199	325.046	-150.00
-4.314	324.890	-150.00	-4.000	325.362	-2.00	1020+0.000	325.442	325.043	0.399	4.000	325.362	-2.00	4.130	325.166	-150.00
-4.299	324.319	-150.00	-4.000	324.767	-2.00	1021+0.000	324.847	324.397	0.450	4.000	324.767	-2.00	4.144	324.552	-150.00
-4.279	323.598	-150.00	-4.000	324.015	-2.00	1022+0.000	324.095	323.706	0.389	4.000	324.015	-2.00	4.204	323.710	-150.00
-4.278	322.436	-150.00	-4.000	322.853	-2.00	1023+0.000	322.933	322.495	0.438	4.000	322.853	-2.00	4.310	322.388	-150.00
-4.193	321.285	-150.00	-4.000	321.575	-2.00	1024+0.000	321.655	321.233	0.421	4.000	321.575	-2.00	4.210	321.259	-150.00
-4.224	320.986	-150.00	-4.000	321.323	-2.00	1025+0.000	321.403	321.016	0.386	4.000	321.323	-2.00	4.184	321.046	-150.00
-4.149	321.178	-150.00	-4.000	321.402	-2.00	1026+0.000	321.482	321.090	0.392	4.000	321.402	-2.00	4.211	321.086	-150.00
-4.139	321.957	-150.00	-4.000	322.165	-2.00	1027+0.000	322.245	321.862	0.383	4.000	322.165	-2.00	4.242	321.803	-150.00
-4.123	322.914	-150.00	-4.000	323.098	-2.00	1028+0.000	323.178	322.803	0.375	4.000	323.098	-2.00	4.250	322.724	-150.00
-4.140	324.122	-150.00	-4.000	324.331	-2.00	1029+0.000	324.411	323.996	0.415	4.000	324.331	-2.00	4.310	323.865	-150.00
-4.091	324.954	-150.00	-4.000	325.090	-2.00	1030+0.000	325.170	324.777	0.393	4.000	325.090	-2.00	4.380	324.521	-150.00
-4.117	325.076	-150.00	-4.000	325.252	-2.00	1031+0.000	325.332	324.935	0.398	4.000	325.252	-2.00	4.311	324.786	-150.00
-4.111	325.147	-150.00	-4.000	325.314	-2.00	1032+0.000	325.394	324.991	0.403	4.000	325.314	-2.00	4.325	324.826	-150.00
-4.156	324.984	-150.00	-4.000	325.218	-2.00	1033+0.000	325.298	324.877	0.422	4.000	325.218	-2.00	4.302	324.766	-150.00
-4.161	324.809	-150.00	-4.000	325.051	-2.00	1034+0.000	325.131	324.712	0.419	4.000	325.051	-2.00	4.292	324.613	-150.00
-4.115	324.754	-150.00	-4.000	324.927	-2.00	1035+0.000	325.007	324.613	0.394	4.000	324.927	-2.00	4.304	324.471	-150.00
-4.132	324.857	-150.00	-4.000	325.055	-2.00	1036+0.000	325.135	324.742	0.393	4.000	325.055	-2.00	4.288	324.624	-150.00
-4.169	325.006	-150.00	-4.000	325.259	-2.00	1037+0.000	325.339	324.937	0.403	4.000	325.259	-2.00	4.277	324.844	-150.00
-4.246	324.579	-150.00	-4.000	324.948	-2.00	1038+0.000	325.028	324.596	0.433	4.000	324.948	-2.00	4.180	324.678	-150.00
-4.260	324.098	-150.00	-4.000	324.487	-2.00	1039+0.000	324.567	324.136	0.431	4.000	324.487	-2.00	4.166	324.239	-150.00
-4.328	323.463	-150.00	-4.000	323.955	-2.00	1040+0.000	324.035	323.627	0.407	4.000	323.955	-2.00	4.105	323.796	-150.00
-4.335	322.847	-150.00	-4.000	323.349	-2.00	1041+0.000	323.429	323.034	0.395	4.000	323.349	-2.00	4.093	323.210	-150.00
-4.363	322.447	-150.00	-4.000	322.992	-2.00	1042+0.000	323.072	322.670	0.402	4.000	322.992	-2.00	4.076	322.878	-150.00
-4.341	322.286	-150.00	-4.000	322.797	-2.00	1043+0.000	322.877	322.463	0.414	4.000	322.797	-2.00	4.100	322.646	-150.00
-4.269	322.502	-150.00	-4.000	322.906	-2.00	1044+0.000	322.986	322.613	0.372	4.000	322.906	-2.00	4.131	322.709	-150.00
-4.287	322.658	-150.00	-4.000	323.088	-2.00	1045+0.000	323.168	322.779	0.389	4.000	323.088	-2.00	4.128	322.896	-150.00

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades (Secid)

-4.276	323.058	-150.00	-4.000	323.471	-2.00	1046+0.000	323.551	323.155	0.396	4.000	323.471	-2.00	4.151	323.244	-150.00
-4.229	323.138	-150.00	-4.000	323.482	-2.00	1047+0.000	323.562	323.139	0.423	4.000	323.482	-2.00	4.228	323.140	-150.00
-4.198	322.984	-150.00	-4.000	323.281	-2.00	1048+0.000	323.361	322.955	0.406	4.000	323.281	-2.00	4.237	322.926	-150.00
-4.184	322.552	-150.00	-4.000	322.828	-2.00	1049+0.000	322.908	322.526	0.382	4.000	322.828	-2.00	4.219	322.500	-150.00
-4.198	322.075	-150.00	-4.000	322.372	-2.00	1050+0.000	322.452	322.045	0.407	4.000	322.372	-2.00	4.238	322.014	-150.00
-4.260	321.554	-150.00	-4.000	321.943	-2.00	1051+0.000	322.023	321.596	0.427	4.000	321.943	-2.00	4.201	321.642	-150.00
-4.264	321.362	-150.00	-4.000	321.759	-2.00	1052+0.000	321.839	321.429	0.410	4.000	321.759	-2.00	4.184	321.482	-150.00
-4.271	321.163	-150.00	-4.000	321.569	-2.00	1053+0.000	321.649	321.237	0.412	4.000	321.569	-2.00	4.167	321.318	-150.00
-4.291	320.928	-150.00	-4.000	321.365	-2.00	1054+0.000	321.445	321.009	0.435	4.000	321.365	-2.00	4.184	321.089	-150.00
-4.280	320.739	-150.00	-4.000	321.160	-2.00	1055+0.000	321.240	320.827	0.413	4.000	321.160	-2.00	4.164	320.913	-150.00
-4.288	320.579	-150.00	-4.000	321.011	-2.00	1056+0.000	321.091	320.696	0.395	4.000	321.011	-2.00	4.138	320.804	-150.00
-4.264	320.497	-150.00	-4.000	320.893	-2.00	1057+0.000	320.973	320.553	0.420	4.000	320.893	-2.00	4.173	320.634	-150.00
-4.261	320.456	-150.00	-4.000	320.848	-2.00	1058+0.000	320.928	320.521	0.407	4.000	320.848	-2.00	4.175	320.585	-150.00
-4.248	320.623	-150.00	-4.000	320.995	-2.00	1059+0.000	321.075	320.666	0.409	4.000	320.995	-2.00	4.191	320.708	-150.00
-4.251	321.000	-150.00	-4.000	321.376	-2.00	1060+0.000	321.456	321.056	0.400	4.000	321.376	-2.00	4.177	321.111	-150.00
-4.199	321.490	-150.00	-4.000	321.789	-2.00	1061+0.000	321.869	321.508	0.361	4.000	321.789	-2.00	4.199	321.490	-150.00
-4.230	321.524	-150.00	-4.000	321.869	-2.00	1062+0.000	321.949	321.544	0.405	4.000	321.869	-2.00	4.203	321.565	-150.00
-4.225	321.499	-150.00	-4.000	321.837	-2.00	1063+0.000	321.917	321.503	0.414	4.000	321.837	-2.00	4.220	321.507	-150.00
-4.247	321.305	-150.00	-4.000	321.675	-2.00	1064+0.000	321.755	321.350	0.404	4.000	321.675	-2.00	4.186	321.395	-150.00
-4.235	321.160	-150.00	-4.000	321.512	-2.00	1065+0.000	321.592	321.201	0.390	4.000	321.512	-2.00	4.179	321.242	-150.00
-4.289	320.966	-150.00	-4.000	321.399	-2.00	1066+0.000	321.479	321.082	0.397	4.000	321.399	-2.00	4.144	321.182	-150.00
-4.295	320.844	-150.00	-4.000	321.286	-2.00	1067+0.000	321.366	320.962	0.404	4.000	321.286	-2.00	4.140	321.076	-150.00
-4.310	320.530	-150.00	-4.000	320.995	-2.00	1068+0.000	321.075	320.600	0.475	4.000	320.995	-2.00	4.218	320.668	-150.00
-4.310	320.061	-150.00	-4.000	320.526	-2.00	1069+0.000	320.606	320.095	0.511	4.000	320.526	-2.00	4.265	320.128	-150.00
-4.206	319.639	-150.00	-4.000	319.948	-2.00	1070+0.000	320.028	319.605	0.423	4.000	319.948	-2.00	4.253	319.569	-150.00
-4.166	319.106	-150.00	-4.000	319.355	-2.00	1071+0.000	319.435	319.029	0.406	4.000	319.355	-2.00	4.270	318.949	-150.00
-4.179	318.717	-150.00	-4.000	318.985	-2.00	1072+0.000	319.065	318.638	0.427	4.000	318.985	-2.00	4.287	318.554	-150.00
-4.107	318.418	-150.00	-4.000	318.579	-2.00	1073+0.000	318.659	318.245	0.414	4.000	318.579	-2.00	4.372	318.021	-150.00
-4.075	317.986	-150.00	-4.000	318.099	-2.00	1074+0.000	318.179	317.773	0.406	4.000	318.099	-2.00	4.370	317.544	-150.00
-4.121	317.596	-150.00	-4.000	317.778	-2.00	1075+0.000	317.858	317.455	0.403	4.000	317.778	-2.00	4.377	317.213	-150.00
-4.098	317.256	-150.00	-4.000	317.403	-2.00	1076+0.000	317.483	317.088	0.395	4.000	317.403	-2.00	4.329	316.910	-150.00
-4.115	317.219	-150.00	-4.000	317.391	-2.00	1077+0.000	317.471	317.081	0.391	4.000	317.391	-2.00	4.318	316.914	-150.00
-4.125	317.405	-150.00	-4.000	317.592	-2.00	1078+0.000	317.672	317.284	0.388	4.000	317.592	-2.00	4.262	317.199	-150.00
-4.150	317.740	-150.00	-4.000	317.965	-2.00	1079+0.000	318.045	317.673	0.372	4.000	317.965	-2.00	4.252	317.588	-150.00
-4.169	318.085	-150.00	-4.000	318.338	-2.00	1080+0.000	318.418	318.039	0.379	4.000	318.338	-2.00	4.230	317.993	-150.00
-4.152	318.382	-150.00	-4.000	318.611	-2.00	1081+0.000	318.691	318.361	0.329	4.000	318.611	-2.00	4.196	318.317	-150.00
-4.165	318.550	-150.00	-4.000	318.797	-2.00	1082+0.000	318.877	318.551	0.326	4.000	318.797	-2.00	4.165	318.549	-150.00
-4.238	318.625	-150.00	-4.000	318.982	-2.00	1083+0.000	319.062	318.643	0.419	4.000	318.982	-2.00	4.225	318.644	-150.00
-4.257	318.469	-150.00	-4.000	318.855	-2.00	1084+0.000	318.935	318.523	0.412	4.000	318.855	-2.00	4.193	318.566	-150.00
-4.221	318.154	-150.00	-4.000	318.486	-2.00	1085+0.000	318.566	318.150	0.415	4.000	318.486	-2.00	4.257	318.100	-150.00
-4.258	317.448	-150.00	-4.000	317.836	-2.00	1086+0.000	317.916	317.504	0.411	4.000	317.836	-2.00	4.184	317.559	-150.00
-4.216	316.833	-150.00	-4.000	317.157	-2.00	1087+0.000	317.237	316.845	0.392	4.000	317.157	-2.00	4.201	316.857	-150.00
-4.215	316.595	-150.00	-4.000	316.917	-2.00	1088+0.000	316.997	316.612	0.385	4.000	316.917	-2.00	4.194	316.626	-150.00
-4.194	316.498	-150.00	-4.000	316.789	-2.00	1089+0.000	316.869	316.483	0.386	4.000	316.789	-2.00	4.234	316.438	-150.00
-4.216	316.545	-150.00	-4.000	316.869	-2.00	1090+0.000	316.949	316.566	0.382	4.000	316.869	-2.00	4.232	316.521	-150.00
-4.144	316.788	-150.00	-4.000	317.004	-2.00	1091+0.000	317.084	316.700	0.385	4.000	317.004	-2.00	4.267	316.604	-150.00
-4.143	317.003	-150.00	-4.000	317.218	-2.00	1092+0.000	317.298	316.914	0.384	4.000	317.218	-2.00	4.266	316.819	-150.00
-4.176	317.128	-150.00	-4.000	317.392	-2.00	1093+0.000	317.472	317.073	0.399	4.000	317.392	-2.00	4.275	316.980	-150.00
-4.160	317.082	-150.00	-4.000	317.322	-2.00	1094+0.000	317.402	316.991	0.411	4.000	317.322	-2.00	4.283	316.897	-150.00
-4.264	316.701	-150.00	-4.000	317.097	-2.00	1095+0.000	317.177	316.735	0.442	4.000	317.097	-2.00	4.218	316.769	-150.00
-4.270	315.971	-150.00	-4.000	316.375	-2.00	1096+0.000	316.455	316.017	0.438	4.000	316.375	-2.00	4.208	316.063	-150.00
-4.303	315.090	-150.00	-4.000	315.545	-2.00	1097+0.000	315.625	315.193	0.431	4.000	315.545	-2.00	4.167	315.294	-150.00
-4.294	313.981	-150.00	-4.000	314.422	-2.00	1098+0.000	314.502	314.100	0.402	4.000	314.422	-2.00	4.133	314.222	-150.00
-4.311	313.022	-150.00	-4.000	313.489	-2.00	1099+0.000	313.569	313.216	0.353	4.000	313.489	-2.00	4.061	313.398	-150.00
-4.338	312.052	-150.00	-4.000	312.559	-2.00	1100+0.000	312.639	312.264	0.375	4.000	312.559	-2.00	4.070	312.453	-150.00
-4.378	311.389	-150.00	-4.000	311.956	-2.00	1101+0.000	312.036	311.656	0.379	4.000	311.956	-2.00	4.118	311.779	-150.00
-4.459	311.071	-150.00	-4.000	311.760	-2.00	1102+0.000	311.840	311.434	0.405	4.000	311.760	-2.00	4.134	311.559	-150.00
-4.313	310.713	-150.00	-4.000	311.182	-2.00	1103+0.000	311.262	310.833	0.429	4.000	311.182	-2.00	4.198	310.885	-150.00
-4.311	309.474	-150.00	-4.000	309.940	-2.00	1104+0.000	310.020	309.596	0.424	4.000	309.940	-2.00	4.185	309.663	-150.00
-4.331	308.186	-150.00	-4.000	308.682	-2.00	1105+0.000	308.762	308.336	0.426	4.000	308.682	-2.00	4.162	308.439	-150.00
-4.330	306.811	-150.00	-4.000	307.307	-2.00	1106+0.000	307.387	306.942	0.444	4.000	307.307	-2.00	4.166	307.058	-150.00
-4.337	305.414	-150.00	-4.000	305.920	-2.00	1107+0.000	306.000	305.572	0.428	4.000	305.920	-2.00	4.155	305.687	-150.00
-4.280	303.803	-150.00	-4.000	304.222	-2.00	1108+0.000	304.302	303.969	0.334	4.000	304.222	-2.00	4.056	304.138	-150.00
-4.476	302.224	-150.00	-4.000	302.938	-2.00	1109+0.000	303.018	302.534	0.484	4.000	302.938	-2.00	4.081	302.818	-150.00
-4.360	301.607	-150.00	-4.000	302.147	-2.00	1110+0.000	302.227	301.851	0.376	4.000	302.147	-2.00	4.040	302.088	-150.00
-4.389	301.118	-150.00	-4.000	301.702	-2.00	1111+0.000	301.782	301.383	0.399	4.000	301.702	-2.00	4.050	301.627	-150.00
-4.363	300.769	-150.00	-4.000	301.314	-2.00	1112+0.000	301.394	301.030	0.364	4.000	301.314	-2.00	4.030	301.270	-150.00
-4.365	300.367	-150.00	-4.000	300.915	-2.00	1113+0.000	300.995	300.620	0.375	4.000	300.915	-2.00	4.043	300.851	-150.00
-4.310	299.939	-150.00	-4.000	300.404	-2.00	1114+0.000	300.484	300.189	0.295	4.000	300.404	-2.00	4.008	300.392	-150.00
-4.410	299.141	-150.00	-4.000	299.756	-2.00	1115+0.000	299.836	299.442	0.394	4.000	299.756	-2.00	4.026	299.716	-150.00
-4.409	298.357	-150.00	-4.000	298.970	-2.00	1116+0.000	299.050	298.626	0.424	4.000	298.970	-2.00	4.064	298.875	-150.00
-4.408	297.386	-150.00	-4.000	297.999	-2.00	1117+0.000	298.079	297.645	0.434	4.000	297.999	-2.00	4.077	297.884	-150.00
-4.370	296.278	-150.00	-4.000	296.833	-2.00	1118+0.000	296.913	296.528	0.385	4.000	296.833	-2.00	4.051	296.756	-150.00
-4.329	295.115	-150.00	-4.000	295.609	-2.00	1119+0.000	295.689	295.364	0.325	4.000	295.609	-2.00	4.025	295.572	-150.00
-4.333	293.885	-150.00	-4.000	294.384	-2.00	1120+0.000	294.464	294.084	0.381	4.000	294.384	-2.00	4.076	294.270	-150.00
-4.394	292.551	-150.00	-4.000	293.142	-2.00	1121+0.000	293.222	292.751	0.472	4.000	293.142	-2.00	4.136	292.938	-150.00
-4.446	291.192	-150.00	-4.000	291.861	-2.00	1122+0.000	291.941	291.392	0.549	4.000	291.861	-2.00	4.178	291.595	-150.00
-4.328	290.195	-150.00	-4.000	290.686	-2.00	1123+0.000	290.766	290.409	0.358	4.000	290.686	-2.00	4.052	290.609	-150.00
-4.268	289.086	-150.00	-4.000	289.488	-2.00	1124+0.000	289.568	289.297	0.271	4.000	289.488	-2.00	4.042	289.426	-150.00
-4.306	287.750	-150.00	-4.000	288.208	-2.00	1125+0.000	288.288	287.953	0.335	4.000	288.208	-2.00	4.042	288.145	-150.00
-4.520	286.204	-150.00	-4.000	286.984	-2.00	1126+0.000	287.064	286.527	0.537	4.000	286.984	-2.00	4.109	286.821	-150.00

Osvaldo Leôncio da Silv
Diretor de Gestão de Projetos
Projetos e Obras - DER/ES
Secretaria de Estado

-4.405	285.988	-150.00	-4.000	286.594	-2.00	1127+0.000	286.674	286.425	0.250	4.000	286.594	-2.00	4.174	286.710	66.67
-4.340	285.526	-150.00	-4.000	286.036	-2.00	1128+0.000	286.116	285.846	0.270	4.000	286.036	-2.00	4.178	286.155	66.67
-4.363	284.655	-150.00	-4.000	285.200	-2.00	1129+0.000	285.280	284.954	0.327	4.000	285.200	-2.00	4.009	285.187	-150.00
-4.476	283.635	-150.00	-4.000	284.349	-2.00	1130+0.000	284.429	283.974	0.455	4.000	284.349	-2.00	4.046	284.280	-150.00
-4.370	283.398	-150.00	-4.000	283.952	-2.00	1131+0.000	284.032	283.667	0.365	4.000	283.952	-2.00	4.024	283.916	-150.00
-4.389	283.166	-150.00	-4.000	283.749	-2.00	1132+0.000	283.829	283.410	0.419	4.000	283.749	-2.00	4.082	283.627	-150.00
-4.425	282.389	-150.00	-4.000	283.027	-2.00	1133+0.000	283.107	282.679	0.428	4.000	283.027	-2.00	4.045	282.960	-150.00
-4.466	281.535	-150.00	-4.000	282.234	-2.00	1134+0.000	282.314	281.964	0.349	4.000	282.234	-2.00	4.202	282.368	66.67
-4.461	280.316	-150.00	-4.000	281.008	-2.00	1135+0.000	281.088	280.648	0.440	4.000	281.008	-2.00	4.090	281.068	66.67
-4.542	278.560	-150.00	-4.000	279.373	-2.00	1136+0.000	279.453	278.997	0.456	4.000	279.373	-2.00	4.015	279.384	66.67
-4.400	276.463	-150.00	-4.000	277.062	-2.00	1137+0.000	277.142	276.672	0.470	4.000	277.062	-2.00	4.167	276.811	-150.00
-4.563	274.042	-150.00	-4.000	274.887	-2.00	1138+0.000	274.967	274.591	0.375	4.000	274.887	-2.00	4.340	275.113	66.67
-4.549	272.562	-150.00	-4.000	273.385	-2.00	1139+0.000	273.465	273.033	0.432	4.000	273.385	-2.00	4.391	273.646	66.67
-4.527	271.677	-150.00	-4.000	272.468	-2.00	1140+0.000	272.548	272.113	0.434	4.000	272.468	-2.00	4.055	272.505	66.67
-4.568	270.307	-150.00	-4.000	271.158	-2.00	1141+0.000	271.238	270.789	0.449	4.000	271.158	-2.00	4.094	271.221	66.67
-4.273	269.165	-150.00	-4.000	269.575	-2.00	1142+0.000	269.655	269.231	0.423	4.000	269.575	-2.00	4.088	269.633	66.67
-4.311	268.360	-150.00	-4.000	268.827	-2.00	1143+0.000	268.907	268.507	0.399	4.000	268.827	-2.00	4.108	268.665	-150.00
-4.345	267.913	-150.00	-4.000	268.431	-2.00	1144+0.000	268.511	268.086	0.425	4.000	268.431	-2.00	4.121	268.250	-150.00
-4.302	267.735	-150.00	-4.000	268.187	-2.00	1145+0.000	268.267	267.778	0.490	4.000	268.187	-2.00	4.147	267.968	-150.00
-4.136	268.189	-150.00	-4.000	268.393	-2.00	1146+0.000	268.473	268.146	0.327	4.000	268.393	-2.00	4.194	268.103	-150.00
-4.108	268.511	-150.00	-4.000	268.674	-2.00	1147+0.000	268.754	268.530	0.224	4.000	268.674	-2.00	4.084	268.548	-150.00
-4.030	268.856	-150.00	-4.000	268.900	-2.00	1148+0.000	268.980	268.669	0.312	4.000	268.900	-2.00	4.287	268.470	-150.00
-4.088	268.870	-150.00	-4.000	269.002	-2.00	1149+0.000	269.082	268.760	0.322	4.000	269.002	-2.00	4.237	268.646	-150.00
-4.048	268.605	-150.00	-4.000	268.677	-2.00	1150+0.000	268.757	268.250	0.507	4.000	268.677	-2.00	4.345	268.159	-150.00
-4.022	268.686	-150.00	-4.000	268.719	-2.00	1151+0.000	268.799	268.374	0.426	4.000	268.719	-2.00	4.462	268.027	-150.00
-4.073	268.485	-150.00	-4.000	268.594	-2.00	1152+0.000	268.674	268.192	0.483	4.000	268.594	-2.00	4.484	267.868	-150.00
-4.052	268.360	-150.00	-4.000	268.438	-2.00	1153+0.000	268.518	268.000	0.518	4.000	268.438	-2.00	4.465	267.740	-150.00
-4.024	268.319	66.67	-4.000	268.302	-2.00	1154+0.000	268.382	267.981	0.401	4.000	268.302	-2.00	4.440	267.642	-150.00
-4.050	268.430	-150.00	-4.000	268.505	-2.00	1155+0.000	268.585	268.187	0.398	4.000	268.505	-2.00	4.387	267.924	-150.00
-4.046	268.815	66.67	-4.000	268.784	-2.00	1156+0.000	268.864	268.471	0.393	4.000	268.784	-2.00	4.428	268.142	-150.00
-4.028	269.433	-150.00	-4.000	269.474	-2.00	1157+0.000	269.554	269.179	0.375	4.000	269.474	-2.00	4.381	268.903	-150.00
-4.035	269.893	-150.00	-4.000	269.946	-2.00	1158+0.000	270.026	269.645	0.381	4.000	269.946	-2.00	4.380	269.376	-150.00
-4.039	270.242	-150.00	-4.000	270.300	-2.00	1159+0.000	270.380	270.048	0.332	4.000	270.300	-2.00	4.306	269.842	-150.00
-4.042	270.804	-150.00	-4.000	270.867	-2.00	1160+0.000	270.947	270.559	0.388	4.000	270.867	-2.00	4.382	270.293	-150.00
-4.039	271.642	-150.00	-4.000	271.702	-2.00	1161+0.000	271.782	271.407	0.374	4.000	271.702	-2.00	4.366	271.153	-150.00
-4.022	272.396	-150.00	-4.000	272.429	-2.00	1162+0.000	272.509	272.099	0.410	4.000	272.429	-2.00	4.438	271.772	-150.00
-4.039	273.092	-150.00	-4.000	273.150	-2.00	1163+0.000	273.230	272.769	0.462	4.000	273.150	-2.00	4.481	272.429	-150.00
-4.096	274.429	66.67	-4.000	274.365	-2.00	1164+0.000	274.445	274.071	0.374	4.000	274.365	-2.00	4.456	273.682	-150.00
-4.018	275.605	-150.00	-4.000	275.632	-2.00	1165+0.000	275.712	275.282	0.430	4.000	275.632	-2.00	4.489	274.898	-150.00
-4.042	277.033	-150.00	-4.000	277.095	-2.00	1166+0.000	277.175	276.774	0.401	4.000	277.095	-2.00	4.402	276.492	-150.00
-4.119	278.574	-150.00	-4.000	278.752	-2.00	1167+0.000	278.832	278.403	0.430	4.000	278.752	-2.00	4.353	278.223	-150.00
-4.095	280.317	-150.00	-4.000	280.459	-2.00	1168+0.000	280.539	280.175	0.365	4.000	280.459	-2.00	4.322	279.976	-150.00
-4.158	281.718	-150.00	-4.000	281.956	-2.00	1169+0.000	282.036	281.639	0.396	4.000	281.956	-2.00	4.287	281.526	-150.00
-4.264	283.160	-150.00	-4.000	283.555	-2.00	1170+0.000	283.635	283.235	0.401	4.000	283.555	-2.00	4.165	283.308	-150.00
-4.303	284.716	-150.00	-4.000	285.171	-2.00	1171+0.000	285.251	284.881	0.369	4.000	285.171	-2.00	4.089	285.038	-150.00
-4.337	286.109	-150.00	-4.000	286.614	-2.00	1172+0.000	286.694	286.326	0.368	4.000	286.614	-2.00	4.057	286.529	-150.00
-4.291	287.710	-150.00	-4.000	288.146	-2.00	1173+0.000	288.226	287.861	0.366	4.000	288.146	-2.00	4.095	288.004	-150.00
-4.274	289.192	-150.00	-4.000	289.602	-2.00	1174+0.000	289.682	289.293	0.389	4.000	289.602	-2.00	4.141	289.391	-150.00
-4.249	290.639	-150.00	-4.000	291.012	-2.00	1175+0.000	291.092	290.697	0.395	4.000	291.012	-2.00	4.173	290.753	-150.00
-4.266	291.932	-150.00	-4.000	292.332	-2.00	1176+0.000	292.412	292.052	0.360	4.000	292.332	-2.00	4.172	292.073	-150.00
-4.305	293.106	-150.00	-4.000	293.563	-2.00	1177+0.000	293.643	293.238	0.405	4.000	293.563	-2.00	4.138	293.356	-150.00
-4.294	294.318	-150.00	-4.000	294.758	-2.00	1178+0.000	294.838	294.445	0.393	4.000	294.758	-2.00	4.127	294.568	-150.00
-4.309	295.331	-150.00	-4.000	295.795	-2.00	1179+0.000	295.875	295.494	0.381	4.000	295.795	-2.00	4.111	295.629	-150.00
-4.297	296.265	-150.00	-4.000	296.712	-2.00	1180+0.000	296.792	296.409	0.382	4.000	296.712	-2.00	4.110	296.547	-150.00
-4.299	297.150	-150.00	-4.000	297.600	-2.00	1181+0.000	297.680	297.304	0.376	4.000	297.600	-2.00	4.100	297.450	-150.00
-4.277	298.110	-150.00	-4.000	298.525	-2.00	1182+0.000	298.605	298.215	0.390	4.000	298.525	-2.00	4.086	298.396	-150.00
-4.204	299.512	-150.00	-4.000	299.817	-2.00	1183+0.000	299.897	299.523	0.374	4.000	299.817	-2.00	4.134	299.616	-150.00
-4.228	300.888	-150.00	-4.000	301.230	-2.00	1184+0.000	301.310	300.916	0.394	4.000	301.230	-2.00	4.191	300.944	-150.00
-4.120	302.204	-150.00	-4.000	302.384	-2.00	1185+0.000	302.464	302.062	0.402	4.000	302.384	-2.00	4.319	301.906	-150.00
-4.132	302.936	-150.00	-4.000	303.134	-2.00	1186+0.000	303.214	302.817	0.397	4.000	303.134	-2.00	4.293	302.694	-150.00
-4.133	303.594	-150.00	-4.000	303.794	-2.00	1187+0.000	303.874	303.481	0.393	4.000	303.794	-2.00	4.287	303.364	-150.00
-4.177	304.126	-150.00	-4.000	304.391	-2.00	1188+0.000	304.471	304.033	0.438	4.000	304.391	-2.00	4.335	303.889	-150.00
-4.039	304.509	-150.00	-4.000	304.567	-2.00	1189+0.000	304.647	304.320	0.326	4.000	304.567	-2.00	4.324	304.081	-150.00
-4.142	304.178	-150.00	-4.000	304.391	-2.00	1190+0.000	304.471	304.046	0.425	4.000	304.391	-2.00	4.305	303.934	-150.00
-4.079	304.785	-150.00	-4.000	304.904	-2.00	1191+0.000	304.984	304.708	0.276	4.000	304.904	-2.00	4.183	304.630	-150.00
-4.175	305.164	-150.00	-4.000	305.426	-2.00	1192+0.000	305.506	305.112	0.395	4.000	305.426	-2.00	4.179	305.158	-150.00
-4.282	305.868	-150.00	-4.000	306.291	-2.00	1193+0.000	306.371	305.955	0.416	4.000	306.291	-2.00	4.197	305.996	-150.00
-4.284	306.752	-150.00	-4.000	307.178	-2.00	1194+0.000	307.258	306.791	0.468	4.000	307.178	-2.00	4.234	306.827	-150.00
-4.388	307.259	-150.00	-4.000	307.841	-2.00	1195+0.000	307.921	307.516	0.405	4.000	307.841	-2.00	4.058	307.753	-150.00
-4.375	307.628	-150.00	-4.000	308.191	-2.00	1196+0.000	308.271	307.880	0.391	4.000	308.191	-2.00	4.074	308.080	-150.00
-4.369	307.767	-150.00	-4.000	308.321	-2.00	1197+0.000	308.401	307.974	0.426	4.000	308.321	-2.00	4.101	308.169	-150.00
-4.269	308.017	-150.00	-4.000	308.420	-2.00	1198+0.000	308.500	308.135	0.365	4.000	308.420	-2.00	4.136	308.216	-150.00
-4.260	308.044	-150.00	-4.000	308.434	-2.00	1199+0.000	308.514	308.118	0.396	4.000	308.434	-2.00	4.210	308.120	-150.00
-4.207	308.004	-150.00	-4.000	308.315	-2.00	1200+0.000	308.395	307.956	0.439	4.000	308.315	-2.00	4.256	307.932	-150.00
-4.163	307.952	-150.00	-4.000	308.197	-2.00	1201+0.000	308.277	307.855	0.421	4.000	308.197	-2.00	4.294	307.756	-150.00
-4.182	308.044	-150.00	-4.000	308.316	-2.00	1202+0.000	308.396	308.008	0.388	4.000	308.316	-2.00	4.230	307.971	-150.00
-4.070	308.661	-150.00	-4.000	308.766	-2.00	1203+0.000	308.846	308.482	0.364	4.000	308.766	-2.00	4.285	308.339	-150.00
-4.019	309.291	-150.00	-4.000	309.321	-2.00	1204+0.000	309.401	308.969	0.432	4.000	309.321	-2.00	4.474	308.609	-150.00
-4.021	309.386	66.67	-4.000	309.372	-2.00	1205+0.000	309.452	309.073	0.379	4.000	309.372	-2.00	4.421	308.741	-150.00
-4.043	309.360	-150.00	-4.000	309.424	-2.00	1206+0.000	309.504	309.109	0.395	4.000	309.424	-2.00	4.392	308.836	-150.00
-4.033	309.426	-150.00	-4.000	309.476	-2.00	1207+0.000	309.556	309.176	0.380	4.000	309.476	-2.00	4.382	308.903	-150.00

Osvaldo Leôncio da Silva Filho
Diretor de Gestão de Programas
Projetos e Obras - DUPPO
Secretaria de Cidades (Sedid)

-4.029	309.617	-150.00	-4.000	309.661	-2.00	1208+0.000	309.741	309.364	0.377	4.000	309.661	-2.00	4.393	309.071	-150.00
-4.017	309.959	-150.00	-4.000	309.984	-2.00	1209+0.000	310.064	309.695	0.370	4.000	309.984	-2.00	4.388	309.402	-150.00
-4.104	310.392	-150.00	-4.000	310.548	-2.00	1210+0.000	310.628	310.244	0.384	4.000	310.548	-2.00	4.347	310.028	-150.00
-4.114	310.940	-150.00	-4.000	311.111	-2.00	1211+0.000	311.191	310.804	0.388	4.000	311.111	-2.00	4.300	310.661	-150.00
-4.122	311.558	-150.00	-4.000	311.741	-2.00	1212+0.000	311.821	311.429	0.392	4.000	311.741	-2.00	4.297	311.295	-150.00
-4.128	312.048	-150.00	-4.000	312.240	-2.00	1213+0.000	312.320	311.932	0.387	4.000	312.240	-2.00	4.257	311.854	-150.00
-4.152	312.572	-150.00	-4.000	312.800	-2.00	1214+0.000	312.880	312.481	0.398	4.000	312.800	-2.00	4.274	312.388	-150.00
-4.164	312.882	-150.00	-4.000	313.127	-2.00	1215+0.000	313.207	312.793	0.414	4.000	313.127	-2.00	4.291	312.691	-150.00
-4.129	312.876	-150.00	-4.000	313.070	-2.00	1216+0.000	313.150	312.729	0.421	4.000	313.070	-2.00	4.318	312.592	-150.00
-4.120	312.583	-150.00	-4.000	312.763	-2.00	1217+0.000	312.843	312.437	0.406	4.000	312.763	-2.00	4.319	312.284	-150.00
-4.116	312.202	-150.00	-4.000	312.376	-2.00	1218+0.000	312.456	312.053	0.403	4.000	312.376	-2.00	4.312	311.908	-150.00
-4.097	311.883	-150.00	-4.000	312.030	-2.00	1219+0.000	312.110	311.714	0.396	4.000	312.030	-2.00	4.329	311.536	-150.00
-4.131	311.630	-150.00	-4.000	311.827	-2.00	1220+0.000	311.907	311.507	0.400	4.000	311.827	-2.00	4.298	311.379	-150.00
-4.109	311.602	-150.00	-4.000	311.766	-2.00	1221+0.000	311.846	311.451	0.395	4.000	311.766	-2.00	4.317	311.291	-150.00
-4.114	311.577	-150.00	-4.000	311.748	-2.00	1222+0.000	311.828	311.430	0.398	4.000	311.748	-2.00	4.318	311.271	-150.00
-4.122	311.512	-150.00	-4.000	311.695	-2.00	1223+0.000	311.775	311.384	0.391	4.000	311.695	-2.00	4.296	311.251	-150.00
-4.112	311.494	-150.00	-4.000	311.663	-2.00	1224+0.000	311.743	311.366	0.377	4.000	311.663	-2.00	4.288	311.231	-150.00
-4.107	311.600	-150.00	-4.000	311.760	-2.00	1225+0.000	311.840	311.449	0.391	4.000	311.760	-2.00	4.312	311.291	-150.00
-4.105	311.796	-150.00	-4.000	311.954	-2.00	1226+0.000	312.034	311.646	0.388	4.000	311.954	-2.00	4.310	311.488	-150.00
-4.139	312.144	-150.00	-4.000	312.353	-2.00	1227+0.000	312.433	312.031	0.401	4.000	312.353	-2.00	4.292	311.914	-150.00
-4.219	312.201	-150.00	-4.000	312.530	-2.00	1228+0.000	312.610	312.195	0.415	4.000	312.530	-2.00	4.228	312.189	-150.00
-4.217	312.263	-150.00	-4.000	312.589	-2.00	1229+0.000	312.669	312.262	0.407	4.000	312.589	-2.00	4.219	312.260	-150.00
-4.233	312.288	-150.00	-4.000	312.638	-2.00	1230+0.000	312.718	312.312	0.406	4.000	312.638	-2.00	4.203	312.333	-150.00
-4.210	312.217	-150.00	-4.000	312.532	-2.00	1231+0.000	312.612	312.229	0.383	4.000	312.532	-2.00	4.186	312.253	-150.00
-4.184	312.121	-150.00	-4.000	312.397	-2.00	1232+0.000	312.477	312.143	0.334	4.000	312.397	-2.00	4.164	312.152	-150.00
-4.193	311.974	-150.00	-4.000	312.263	-2.00	1233+0.000	312.343	311.959	0.384	4.000	312.263	-2.00	4.212	311.945	-150.00
-4.194	311.817	-150.00	-4.000	312.108	-2.00	1234+0.000	312.188	311.797	0.391	4.000	312.108	-2.00	4.227	311.767	-150.00
-4.182	311.626	-150.00	-4.000	311.899	-2.00	1235+0.000	311.979	311.576	0.403	4.000	311.899	-2.00	4.243	311.534	-150.00
-4.178	311.498	-150.00	-4.000	311.765	-2.00	1236+0.000	311.845	311.445	0.400	4.000	311.765	-2.00	4.252	311.387	-150.00
-4.192	311.344	-150.00	-4.000	311.631	-2.00	1237+0.000	311.711	311.307	0.404	4.000	311.631	-2.00	4.252	311.253	-150.00
-4.190	311.095	-150.00	-4.000	311.380	-2.00	1238+0.000	311.460	311.051	0.408	4.000	311.380	-2.00	4.248	311.008	-150.00
-4.175	310.844	-150.00	-4.000	311.106	-2.00	1239+0.000	311.186	310.771	0.415	4.000	311.106	-2.00	4.289	310.672	-150.00
-4.221	310.474	-150.00	-4.000	310.806	-2.00	1240+0.000	310.886	310.375	0.511	4.000	310.806	-2.00	4.355	310.273	-150.00
-4.156	310.272	-150.00	-4.000	310.506	-2.00	1241+0.000	310.586	310.153	0.433	4.000	310.506	-2.00	4.318	310.029	-150.00
-4.066	310.178	-150.00	-4.000	310.277	-2.00	1242+0.000	310.357	310.056	0.301	4.000	310.277	-2.00	4.237	309.921	-150.00
-4.148	310.105	-150.00	-4.000	310.327	-2.00	1243+0.000	310.407	310.016	0.391	4.000	310.327	-2.00	4.281	309.906	-150.00
-4.141	310.137	-150.00	-4.000	310.349	-2.00	1244+0.000	310.429	310.001	0.428	4.000	310.349	-2.00	4.327	309.857	-150.00
-4.124	310.184	-150.00	-4.000	310.370	-2.00	1245+0.000	310.450	310.046	0.404	4.000	310.370	-2.00	4.312	309.901	-150.00
-4.118	310.210	-150.00	-4.000	310.387	-2.00	1246+0.000	310.467	310.080	0.387	4.000	310.387	-2.00	4.275	309.974	-150.00
-4.112	310.259	-150.00	-4.000	310.427	-2.00	1247+0.000	310.507	310.112	0.394	4.000	310.427	-2.00	4.305	309.969	-150.00
-4.148	310.478	-150.00	-4.000	310.701	-2.00	1248+0.000	310.781	310.367	0.414	4.000	310.701	-2.00	4.253	310.321	-150.00
-4.168	310.838	-150.00	-4.000	311.090	-2.00	1249+0.000	311.170	310.783	0.386	4.000	311.090	-2.00	4.250	310.714	-150.00
-4.160	311.046	-150.00	-4.000	311.287	-2.00	1250+0.000	311.367	310.962	0.404	4.000	311.287	-2.00	4.273	310.876	-150.00
-4.173	311.207	-150.00	-4.000	311.466	-2.00	1251+0.000	311.546	311.138	0.408	4.000	311.466	-2.00	4.266	311.067	-150.00
-4.163	311.120	-150.00	-4.000	311.365	-2.00	1252+0.000	311.445	311.023	0.423	4.000	311.365	-2.00	4.296	310.922	-150.00
-4.154	310.947	-150.00	-4.000	311.178	-2.00	1253+0.000	311.258	310.846	0.412	4.000	311.178	-2.00	4.291	310.741	-150.00
-4.089	310.851	-150.00	-4.000	310.985	-2.00	1254+0.000	311.065	310.704	0.360	4.000	310.985	-2.00	4.301	310.532	-150.00
-4.086	310.656	-150.00	-4.000	310.785	-2.00	1255+0.000	310.865	310.501	0.364	4.000	310.785	-2.00	4.302	310.332	-150.00
-4.085	310.415	-150.00	-4.000	310.543	-2.00	1256+0.000	310.623	310.225	0.398	4.000	310.543	-2.00	4.347	310.022	-150.00
-4.088	310.107	-150.00	-4.000	310.239	-2.00	1257+0.000	310.319	309.915	0.404	4.000	310.239	-2.00	4.352	309.711	-150.00
-4.091	309.797	-150.00	-4.000	309.934	-2.00	1258+0.000	310.014	309.625	0.389	4.000	309.934	-2.00	4.327	309.444	-150.00
-4.091	309.519	-150.00	-4.000	309.655	-2.00	1259+0.000	309.735	309.343	0.393	4.000	309.655	-2.00	4.333	309.155	-150.00
-4.100	309.276	-150.00	-4.000	309.426	-2.00	1260+0.000	309.506	309.104	0.402	4.000	309.426	-2.00	4.336	308.923	-150.00
-4.108	309.194	-150.00	-4.000	309.357	-2.00	1261+0.000	309.437	309.012	0.426	4.000	309.357	-2.00	4.321	308.875	-150.00
-4.177	309.074	-150.00	-4.000	309.340	-2.00	1262+0.000	309.420	309.005	0.415	4.000	309.340	-2.00	4.269	308.937	-150.00
-4.182	309.050	-150.00	-4.000	309.323	-2.00	1263+0.000	309.403	308.982	0.421	4.000	309.323	-2.00	4.274	308.912	-150.00
-4.161	309.065	-150.00	-4.000	309.306	-2.00	1264+0.000	309.386	308.989	0.397	4.000	309.306	-2.00	4.263	308.911	-150.00
-4.162	309.057	-150.00	-4.000	309.300	-2.00	1265+0.000	309.380	308.980	0.400	4.000	309.300	-2.00	4.247	308.929	-150.00
-4.177	309.158	-150.00	-4.000	309.424	-2.00	1266+0.000	309.504	309.108	0.396	4.000	309.424	-2.00	4.245	309.057	-150.00
-4.184	309.324	-150.00	-4.000	309.600	-2.00	1267+0.000	309.680	309.269	0.411	4.000	309.600	-2.00	4.254	309.219	-150.00
-4.202	309.566	-150.00	-4.000	309.870	-2.00	1268+0.000	309.950	309.514	0.436	4.000	309.870	-2.00	4.273	309.461	-150.00
-4.206	309.858	-150.00	-4.000	310.168	-2.00	1269+0.000	310.248	309.804	0.444	4.000	310.168	-2.00	4.275	309.755	-150.00
-4.168	310.213	-150.00	-4.000	310.466	-2.00	1270+0.000	310.546	310.157	0.388	4.000	310.466	-2.00	4.243	310.102	-150.00
-4.148	310.542	-150.00	-4.000	310.763	-2.00	1271+0.000	310.843	310.501	0.342	4.000	310.763	-2.00	4.203	310.459	-150.00
-4.155	310.829	-150.00	-4.000	311.061	-2.00	1272+0.000	311.141	310.790	0.351	4.000	311.061	-2.00	4.207	310.750	-150.00
-4.192	311.071	-150.00	-4.000	311.359	-2.00	1273+0.000	311.439	311.046	0.393	4.000	311.359	-2.00	4.222	311.026	-150.00
-4.176	311.284	-150.00	-4.000	311.549	-2.00	1274+0.000	311.629	311.271	0.357	4.000	311.549	-2.00	4.193	311.259	-150.00
-4.193	311.446	-150.00	-4.000	311.736	-2.00	1275+0.000	311.816	311.437	0.379	4.000	311.736	-2.00	4.201	311.435	-150.00
-4.210	311.609	-150.00	-4.000	311.924	-2.00	1276+0.000	312.004	311.592	0.412	4.000	311.924	-2.00	4.232	311.575	-150.00
-4.223	311.778	-150.00	-4.000	312.111	-2.00	1277+0.000	312.191	311.761	0.430	4.000	312.111	-2.00	4.234	311.760	-150.00
-4.217	311.974	-150.00	-4.000	312.299	-2.00	1278+0.000	312.379	311.980	0.399	4.000	312.299	-2.00	4.215	311.977	-150.00
-4.233	312.207	-150.00	-4.000	312.557	-2.00	1279+0.000	312.637	312.214	0.423	4.000	312.557	-2.00	4.224	312.221	-150.00
-4.220	312.493	-150.00	-4.000	312.823	-2.00	1280+0.000	312.903	312.496	0.407	4.000	312.823	-2.00	4.216	312.499	-150.00
-4.226	312.737	-150.00	-4.000	313.076	-2.00	1281+0.000	313.156	312.761	0.395	4.000	313.076	-2.00	4.195	312.784	-150.00
-4.218	312.862	-150.00	-4.000	313.188	-2.00	1282+0.000	313.268	312.880	0.389	4.000	313.188	-2.00	4.188	312.906	-150.00
-4.214	313.073	-150.00	-4.000	313.395	-2.00	1283+0.000	313.475	313.081	0.393	4.000	313.395	-2.00	4.202	313.092	-150.00
-4.220	313.354	-150.00	-4.000	313.684	-2.00	1284+0.000	313.764	313.363	0.401	4.000	313.684	-2.00	4.208	313.372	-150.00
-4.222	313.639	-150.00	-4.000	313.972	-2.00	1285+0.000	314.052	313.653	0.399	4.000	313.972	-2.00	4.204	313.666	-150.00
-4.215	313.973	-150.00	-4.000	314.295	-2.00	1286+0.000	314.375	313.987	0.388	4.000	314.295	-2.00	4.196	314.001	-150.00
-4.199	314.364	-150.00	-4.000	314.663	-2.00	1287+0.000	314.743	314.357	0.386	4.000	314.663	-2.00	4.198	314.366	-150.00
-4.203	314.916	-150.00	-4.000	315.221	-2.00	1288+0.000	315.301	314.909	0.393	4.000	315.221	-2.00	4.199	314.923	-150.00

Osvaldo Leôncio da Silva Filho
Diretoria de Unidade de Logística
Projetos e Obras - DUPLO
Secretaria de Infraestrutura

-4.253	315.487	-150.00	-4.000	315.867	-2.00	1289+0.000	315.947	315.510	0.437	4.000	315.867	-2.00	4.214	315.546	-150.00
-4.218	316.185	-150.00	-4.000	316.513	-2.00	1290+0.000	316.593	316.195	0.398	4.000	316.513	-2.00	4.206	316.204	-150.00
-4.188	316.948	-150.00	-4.000	317.231	-2.00	1291+0.000	317.311	316.907	0.404	4.000	317.231	-2.00	4.227	316.891	-150.00
-4.170	317.719	-150.00	-4.000	317.973	-2.00	1292+0.000	318.053	317.648	0.405	4.000	317.973	-2.00	4.261	317.581	-150.00
-4.168	318.464	-150.00	-4.000	318.716	-2.00	1293+0.000	318.796	318.427	0.369	4.000	318.716	-2.00	4.218	318.389	-150.00
-4.188	319.031	-150.00	-4.000	319.313	-2.00	1294+0.000	319.393	318.965	0.429	4.000	319.313	-2.00	4.263	318.919	-150.00
-4.187	319.563	-150.00	-4.000	319.844	-2.00	1295+0.000	319.924	319.500	0.423	4.000	319.844	-2.00	4.272	319.436	-150.00
-4.199	320.124	-150.00	-4.000	320.423	-2.00	1296+0.000	320.503	320.070	0.433	4.000	320.423	-2.00	4.272	320.015	-150.00
-4.172	320.758	-150.00	-4.000	321.016	-2.00	1297+0.000	321.096	320.689	0.406	4.000	321.016	-2.00	4.254	320.634	-150.00
-4.141	321.578	-150.00	-4.000	321.790	-2.00	1298+0.000	321.870	321.496	0.374	4.000	321.790	-2.00	4.252	321.411	-150.00
-4.152	322.558	-150.00	-4.000	322.786	-2.00	1299+0.000	322.866	322.491	0.375	4.000	322.786	-2.00	4.233	322.436	-150.00
-4.119	323.610	-150.00	-4.000	323.787	-2.00	1300+0.000	323.867	323.560	0.307	4.000	323.787	-2.00	4.185	323.510	-150.00
-4.079	324.671	-150.00	-4.000	324.789	-2.00	1301+0.000	324.869	324.636	0.232	4.000	324.789	-2.00	4.125	324.602	-150.00
-4.082	325.618	-150.00	-4.000	325.742	-2.00	1302+0.000	325.822	325.601	0.220	4.000	325.742	-2.00	4.105	325.584	-150.00
-4.182	326.299	-150.00	-4.000	326.571	-2.00	1303+0.000	326.651	326.301	0.351	4.000	326.571	-2.00	4.179	326.303	-150.00
-4.326	326.787	-150.00	-4.000	327.277	-2.00	1304+0.000	327.357	326.832	0.525	4.000	327.277	-2.00	4.267	326.877	-150.00
-4.362	327.316	-150.00	-4.000	327.858	-2.00	1305+0.000	327.938	327.370	0.569	4.000	327.858	-2.00	4.268	327.456	-150.00
-4.365	327.934	-150.00	-4.000	328.482	-2.00	1306+0.000	328.562	328.105	0.457	4.000	328.482	-2.00	4.160	328.242	-150.00
-4.341	328.683	-150.00	-4.000	329.195	-2.00	1307+0.000	329.275	328.852	0.423	4.000	329.195	-2.00	4.122	329.012	-150.00
-4.252	329.559	-150.00	-4.000	329.937	-2.00	1308+0.000	330.017	329.643	0.373	4.000	329.937	-2.00	4.106	329.778	-150.00
-4.257	330.544	-150.00	-4.000	330.930	-2.00	1309+0.000	331.010	330.630	0.380	4.000	330.930	-2.00	4.144	330.714	-150.00
-4.264	331.525	-150.00	-4.000	331.920	-2.00	1310+0.000	332.000	331.609	0.391	4.000	331.920	-2.00	4.146	331.701	-150.00
-4.285	332.316	-150.00	-4.000	332.745	-2.00	1311+0.000	332.825	332.436	0.389	4.000	332.745	-2.00	4.141	332.532	-150.00
-4.263	333.109	-150.00	-4.000	333.503	-2.00	1312+0.000	333.583	333.205	0.378	4.000	333.503	-2.00	4.134	333.302	-150.00
-4.279	333.994	-150.00	-4.000	334.413	-2.00	1313+0.000	334.493	334.108	0.385	4.000	334.413	-2.00	4.144	334.197	-150.00
-4.307	334.725	-150.00	-4.000	335.185	-2.00	1314+0.000	335.265	334.852	0.413	4.000	335.185	-2.00	4.141	334.974	-150.00
-4.304	335.497	-150.00	-4.000	335.952	-2.00	1315+0.000	336.032	335.614	0.418	4.000	335.952	-2.00	4.150	335.727	-150.00
-4.282	336.296	-150.00	-4.000	336.719	-2.00	1316+0.000	336.799	336.380	0.419	4.000	336.719	-2.00	4.180	336.448	-150.00
-4.262	336.789	-150.00	-4.000	337.182	-2.00	1317+0.000	337.262	336.854	0.408	4.000	337.182	-2.00	4.183	336.907	-150.00
-4.248	337.041	-150.00	-4.000	337.412	-2.00	1318+0.000	337.492	337.096	0.396	4.000	337.412	-2.00	4.177	337.147	-150.00
-4.244	337.243	-150.00	-4.000	337.610	-2.00	1319+0.000	337.690	337.265	0.425	4.000	337.610	-2.00	4.190	337.325	-150.00
-4.182	337.485	-150.00	-4.000	337.757	-2.00	1320+0.000	337.837	337.457	0.380	4.000	337.757	-2.00	4.209	337.443	-150.00
-4.197	337.513	-150.00	-4.000	337.808	-2.00	1321+0.000	337.888	337.496	0.392	4.000	337.808	-2.00	4.220	337.478	-150.00
-4.169	337.722	-150.00	-4.000	337.976	-2.00	1322+0.000	338.056	337.672	0.384	4.000	337.976	-2.00	4.237	337.620	-150.00
-4.162	338.049	-150.00	-4.000	338.292	-2.00	1323+0.000	338.372	338.000	0.372	4.000	338.292	-2.00	4.233	337.943	-150.00
-4.179	338.461	-150.00	-4.000	338.730	-2.00	1324+0.000	338.810	338.421	0.389	4.000	338.730	-2.00	4.234	338.378	-150.00
-4.178	338.923	-150.00	-4.000	339.190	-2.00	1325+0.000	339.270	338.877	0.394	4.000	339.190	-2.00	4.235	338.837	-150.00
-4.177	339.458	-150.00	-4.000	339.723	-2.00	1326+0.000	339.803	339.416	0.387	4.000	339.723	-2.00	4.233	339.373	-150.00
-4.201	339.931	-150.00	-4.000	340.233	-2.00	1327+0.000	340.313	339.913	0.400	4.000	340.233	-2.00	4.209	339.919	-150.00
-4.199	340.311	-150.00	-4.000	340.610	-2.00	1328+0.000	340.690	340.290	0.400	4.000	340.610	-2.00	4.228	340.268	-150.00
-4.213	340.557	-150.00	-4.000	340.877	-2.00	1329+0.000	340.957	340.552	0.405	4.000	340.877	-2.00	4.220	340.547	-150.00
-4.195	340.786	-150.00	-4.000	341.079	-2.00	1330+0.000	341.159	340.745	0.414	4.000	341.079	-2.00	4.236	340.725	-150.00
-4.187	341.001	-150.00	-4.000	341.282	-2.00	1331+0.000	341.362	340.961	0.401	4.000	341.282	-2.00	4.241	340.920	-150.00
-4.156	341.267	-150.00	-4.000	341.500	-2.00	1332+0.000	341.580	341.185	0.395	4.000	341.500	-2.00	4.250	341.125	-150.00
-4.131	341.717	-150.00	-4.000	341.913	-2.00	1333+0.000	341.993	341.621	0.372	4.000	341.913	-2.00	4.263	341.519	-150.00
-4.172	342.036	-150.00	-4.000	342.294	-2.00	1334+0.000	342.374	341.978	0.396	4.000	342.294	-2.00	4.272	341.886	-150.00
-4.173	342.164	-150.00	-4.000	342.424	-2.00	1335+0.000	342.504	342.105	0.399	4.000	342.424	-2.00	4.266	342.025	-150.00
-4.166	342.181	-150.00	-4.000	342.429	-2.00	1336+0.000	342.509	342.105	0.404	4.000	342.429	-2.00	4.273	342.019	-150.00
-4.176	342.052	-150.00	-4.000	342.316	-2.00	1337+0.000	342.396	341.995	0.401	4.000	342.316	-2.00	4.252	341.938	-150.00
-4.181	341.930	-150.00	-4.000	342.201	-2.00	1338+0.000	342.281	341.874	0.408	4.000	342.201	-2.00	4.257	341.816	-150.00
-4.191	341.824	-150.00	-4.000	342.111	-2.00	1339+0.000	342.191	341.764	0.427	4.000	342.111	-2.00	4.272	341.703	-150.00
-4.194	341.732	-150.00	-4.000	342.023	-2.00	1340+0.000	342.103	341.679	0.424	4.000	342.023	-2.00	4.265	341.626	-150.00
-4.222	341.603	-150.00	-4.000	341.936	-2.00	1341+0.000	342.016	341.544	0.472	4.000	341.936	-2.00	4.302	341.483	-150.00
-4.223	341.514	-150.00	-4.000	341.848	-2.00	1342+0.000	341.928	341.476	0.452	4.000	341.848	-2.00	4.274	341.437	-150.00
-4.195	341.469	-150.00	-4.000	341.762	-2.00	1343+0.000	341.842	341.441	0.401	4.000	341.762	-2.00	4.234	341.411	-150.00
-4.183	341.350	-150.00	-4.000	341.625	-2.00	1344+0.000	341.705	341.299	0.406	4.000	341.625	-2.00	4.252	341.248	-150.00
-4.190	341.125	-150.00	-4.000	341.410	-2.00	1345+0.000	341.490	341.077	0.413	4.000	341.410	-2.00	4.248	341.037	-150.00
-4.219	340.698	-150.00	-4.000	341.026	-2.00	1346+0.000	341.106	340.687	0.419	4.000	341.026	-2.00	4.248	340.655	-150.00
-4.208	340.238	-150.00	-4.000	340.550	-2.00	1347+0.000	340.630	340.206	0.425	4.000	340.550	-2.00	4.252	340.172	-150.00
-4.135	339.683	-150.00	-4.000	339.885	-2.00	1348+0.000	339.965	339.559	0.406	4.000	339.885	-2.00	4.281	339.463	-150.00
-4.139	339.132	-150.00	-4.000	339.341	-2.00	1349+0.000	339.421	339.005	0.415	4.000	339.341	-2.00	4.311	338.874	-150.00
-4.139	338.600	-150.00	-4.000	338.808	-2.00	1350+0.000	338.888	338.472	0.417	4.000	338.808	-2.00	4.314	338.337	-150.00
-4.136	338.079	-150.00	-4.000	338.283	-2.00	1351+0.000	338.363	337.962	0.400	4.000	338.283	-2.00	4.294	337.841	-150.00
-4.152	337.635	-150.00	-4.000	337.864	-2.00	1352+0.000	337.944	337.545	0.399	4.000	337.864	-2.00	4.274	337.452	-150.00
-4.179	337.202	-150.00	-4.000	337.471	-2.00	1353+0.000	337.551	337.143	0.408	4.000	337.471	-2.00	4.283	337.046	-150.00
-4.196	336.686	-150.00	-4.000	336.980	-2.00	1354+0.000	337.060	336.632	0.428	4.000	336.980	-2.00	4.267	336.580	-150.00
-4.214	336.167	-150.00	-4.000	336.487	-2.00	1355+0.000	336.567	336.119	0.448	4.000	336.487	-2.00	4.276	336.073	-150.00
-4.209	335.681	-150.00	-4.000	335.994	-2.00	1356+0.000	336.074	335.647	0.428	4.000	335.994	-2.00	4.258	335.606	-150.00
-4.228	335.159	-150.00	-4.000	335.501	-2.00	1357+0.000	335.581	335.126	0.455	4.000	335.501	-2.00	4.267	335.100	-150.00
-4.191	334.738	-150.00	-4.000	335.025	-2.00	1358+0.000	335.105	334.700	0.406	4.000	335.025	-2.00	4.241	334.664	-150.00
-4.175	334.345	-150.00	-4.000	334.607	-2.00	1359+0.000	334.687	334.305	0.383	4.000	334.607	-2.00	4.228	334.265	-150.00
-4.152	333.962	-150.00	-4.000	334.190	-2.00	1360+0.000	334.270	333.986	0.284	4.000	334.190	-2.00	4.134	333.988	-150.00
-4.210	333.457	-150.00	-4.000	333.772	-2.00	1361+0.000	333.852	333.495	0.357	4.000	333.772	-2.00	4.168	333.519	-150.00
-4.250	332.979	-150.00	-4.000	333.354	-2.00	1362+0.000	333.434	333.013	0.421	4.000	333.354	-2.00	4.211	333.037	-150.00
-4.273	332.527	-150.00	-4.000	332.936	-2.00	1363+0.000	333.016	332.576	0.440	4.000	332.936	-2.00	4.211	332.620	-150.00
-4.259	332.129	-150.00	-4.000	332.518	-2.00	1364+0.000	332.598	332.185	0.413	4.000	332.518	-2.00	4.184	332.242	-150.00
-4.234	331.749	-150.00	-4.000	332.100	-2.00	1365+0.000	332.180	331.773	0.407	4.000	332.100	-2.00	4.201	331.798	-150.00
-4.175	331.354	-150.00	-4.000	331.616	-2.00	1366+0.000	331.696	331.285	0.411	4.000	331.616	-2.00	4.289	331.182	-150.00
-4.091	330.904	-150.00	-4.000	331.040	-2.00	1367+0.000	331.120	330.722	0.398	4.000	331.040	-2.00	4.307	330.580	-150.00
-4.060	330.737	-150.00	-4.000	330.827	-2.00	1368+0.000	330.907	330.510	0.397	4.000	330.827	-2.00	4.375	330.264	-150.00
-4.034	330.748	-150.00	-4.000	330.799	-2.00	1369+0.000	330.879	330.488	0.391	4.000	330.799	-2.00	4.396	330.204	-150.00

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Engenharia
Projetos e Obras
Secretaria de Estado de Transportes

-4.032	330.760	-150.00	-4.000	330.808	-2.00	1370+0.000	330.888	330.500	0.387	4.000	330.808	-2.00	4.393	330.218	-150.00
-4.015	331.095	-150.00	-4.000	331.118	-2.00	1371+0.000	331.198	330.790	0.408	4.000	331.118	-2.00	4.444	330.452	-150.00
			-4.000	331.148	-2.00	1372+0.000	331.228	330.824	0.404	4.000	331.148	-2.00	4.454	330.467	-150.00
-4.027	331.135	-150.00	-4.000	331.176	-2.00	1373+0.000	331.256	330.874	0.382	4.000	331.176	-2.00	4.390	330.590	-150.00
-4.075	331.140	-150.00	-4.000	331.252	-2.00	1374+0.000	331.332	330.884	0.449	4.000	331.252	-2.00	4.437	330.597	-150.00
-4.162	330.603	-150.00	-4.000	330.846	-2.00	1375+0.000	330.926	330.472	0.454	4.000	330.846	-2.00	4.381	330.274	-150.00
-4.097	329.930	-150.00	-4.000	330.075	-2.00	1376+0.000	330.155	329.769	0.386	4.000	330.075	-2.00	4.321	329.593	-150.00
-4.134	329.470	-150.00	-4.000	329.670	-2.00	1377+0.000	329.750	329.333	0.418	4.000	329.670	-2.00	4.326	329.182	-150.00
-4.087	328.706	-150.00	-4.000	328.837	-2.00	1378+0.000	328.917	328.477	0.440	4.000	328.837	-2.00	4.393	328.247	-150.00
-4.102	327.563	-150.00	-4.000	327.716	-2.00	1379+0.000	327.796	327.377	0.419	4.000	327.716	-2.00	4.358	327.180	-150.00
-4.177	326.123	-150.00	-4.000	326.389	-2.00	1380+0.000	326.469	326.009	0.461	4.000	326.389	-2.00	4.321	325.907	-150.00
-4.200	324.733	-150.00	-4.000	325.034	-2.00	1381+0.000	325.114	324.668	0.446	4.000	325.034	-2.00	4.288	324.602	-150.00
-4.138	323.561	-150.00	-4.000	323.768	-2.00	1382+0.000	323.848	323.444	0.404	4.000	323.768	-2.00	4.281	323.347	-150.00
-4.131	322.580	-150.00	-4.000	322.777	-2.00	1383+0.000	322.857	322.490	0.367	4.000	322.777	-2.00	4.253	322.398	-150.00
-4.222	321.734	-150.00	-4.000	322.067	-2.00	1384+0.000	322.147	321.651	0.495	4.000	322.067	-2.00	4.310	321.601	-150.00
-4.126	321.448	-150.00	-4.000	321.637	-2.00	1385+0.000	321.717	321.374	0.343	4.000	321.637	-2.00	4.226	321.299	-150.00
-4.200	321.188	-150.00	-4.000	321.489	-2.00	1386+0.000	321.569	321.164	0.405	4.000	321.489	-2.00	4.233	321.139	-150.00
-4.153	321.391	-150.00	-4.000	321.621	-2.00	1387+0.000	321.701	321.362	0.339	4.000	321.621	-2.00	4.192	321.332	-150.00
-4.234	321.632	-150.00	-4.000	321.983	-2.00	1388+0.000	322.063	321.642	0.422	4.000	321.983	-2.00	4.222	321.651	-150.00
-4.221	322.041	-150.00	-4.000	322.372	-2.00	1389+0.000	322.452	322.072	0.380	4.000	322.372	-2.00	4.187	322.092	-150.00
-4.231	322.533	-150.00	-4.000	322.878	-2.00	1390+0.000	322.958	322.582	0.376	4.000	322.878	-2.00	4.156	322.644	-150.00
-4.217	323.197	-150.00	-4.000	323.522	-2.00	1391+0.000	323.602	323.251	0.350	4.000	323.522	-2.00	4.145	323.305	-150.00
-4.215	323.966	-150.00	-4.000	324.289	-2.00	1392+0.000	324.369	324.055	0.314	4.000	324.289	-2.00	4.117	324.113	-150.00
-4.251	324.830	-150.00	-4.000	325.207	-2.00	1393+0.000	325.287	324.887	0.400	4.000	325.207	-2.00	4.151	324.979	-150.00
-4.218	325.948	-150.00	-4.000	326.275	-2.00	1394+0.000	326.355	326.000	0.355	4.000	326.275	-2.00	4.149	326.052	-150.00
-4.188	327.194	-150.00	-4.000	327.475	-2.00	1395+0.000	327.555	327.174	0.382	4.000	327.475	-2.00	4.227	327.135	-150.00
-4.157	328.243	-150.00	-4.000	328.478	-2.00	1396+0.000	328.558	328.178	0.380	4.000	328.478	-2.00	4.244	328.112	-150.00
-4.144	329.135	-150.00	-4.000	329.352	-2.00	1397+0.000	329.432	329.036	0.395	4.000	329.352	-2.00	4.278	328.934	-150.00
-4.153	329.683	-150.00	-4.000	329.913	-2.00	1398+0.000	329.993	329.599	0.394	4.000	329.913	-2.00	4.260	329.522	-150.00
-4.185	330.129	-150.00	-4.000	330.406	-2.00	1399+0.000	330.486	330.074	0.412	4.000	330.406	-2.00	4.257	330.021	-150.00
-4.206	330.504	-150.00	-4.000	330.813	-2.00	1400+0.000	330.893	330.459	0.435	4.000	330.813	-2.00	4.267	330.413	-150.00
-4.213	330.901	-150.00	-4.000	331.221	-2.00	1401+0.000	331.301	330.833	0.467	4.000	331.221	-2.00	4.312	330.753	-150.00
-4.204	331.322	-150.00	-4.000	331.628	-2.00	1402+0.000	331.708	331.290	0.418	4.000	331.628	-2.00	4.270	331.222	-150.00
-4.203	331.727	-150.00	-4.000	332.032	-2.00	1403+0.000	332.112	331.714	0.397	4.000	332.032	-2.00	4.222	331.699	-150.00
-4.210	332.093	-150.00	-4.000	332.408	-2.00	1404+0.000	332.488	332.081	0.407	4.000	332.408	-2.00	4.227	332.068	-150.00
-4.198	332.294	-150.00	-4.000	332.591	-2.00	1405+0.000	332.671	332.282	0.389	4.000	332.591	-2.00	4.200	332.290	-150.00
-4.143	332.448	-150.00	-4.000	332.664	-2.00	1406+0.000	332.744	332.444	0.299	4.000	332.664	-2.00	4.152	332.435	-150.00
-4.180	332.467	-150.00	-4.000	332.737	-2.00	1407+0.000	332.817	332.462	0.354	4.000	332.737	-2.00	4.185	332.459	-150.00
-4.209	332.496	-150.00	-4.000	332.809	-2.00	1408+0.000	332.889	332.494	0.396	4.000	332.809	-2.00	4.205	332.503	-150.00
-4.239	332.519	-150.00	-4.000	332.877	-2.00	1409+0.000	332.957	332.514	0.442	4.000	332.877	-2.00	4.244	332.510	-150.00
-4.293	332.504	-150.00	-4.000	332.943	-2.00	1410+0.000	333.023	332.491	0.532	4.000	332.943	-2.00	4.308	332.481	-150.00
-4.320	332.531	-150.00	-4.000	333.010	-2.00	1411+0.000	333.090	332.509	0.582	4.000	333.010	-2.00	4.349	332.486	-150.00
-4.296	332.633	-150.00	-4.000	333.077	-2.00	1412+0.000	333.157	332.610	0.546	4.000	333.077	-2.00	4.288	332.645	-150.00
-4.254	332.763	-150.00	-4.000	333.144	-2.00	1413+0.000	333.224	332.738	0.485	4.000	333.144	-2.00	4.275	332.730	-150.00
-4.200	332.911	-150.00	-4.000	333.210	-2.00	1414+0.000	333.290	332.887	0.404	4.000	333.210	-2.00	4.232	332.862	-150.00
-4.213	332.844	-150.00	-4.000	333.164	-2.00	1415+0.000	333.244	332.774	0.470	4.000	333.164	-2.00	4.262	332.771	-150.00
-4.148	332.883	-150.00	-4.000	333.105	-2.00	1416+0.000	333.185	332.786	0.399	4.000	333.105	-2.00	4.279	332.686	-150.00
-4.158	332.809	-150.00	-4.000	333.046	-2.00	1417+0.000	333.126	332.708	0.418	4.000	333.046	-2.00	4.296	332.601	-150.00
-4.077	333.101	-150.00	-4.000	333.217	-2.00	1418+0.000	333.297	332.910	0.387	4.000	333.217	-2.00	4.317	332.741	-150.00
-4.085	333.522	-150.00	-4.000	333.649	-2.00	1419+0.000	333.729	333.338	0.391	4.000	333.649	-2.00	4.342	333.136	-150.00
-4.084	333.844	-150.00	-4.000	333.970	-2.00	1420+0.000	334.050	333.659	0.392	4.000	333.970	-2.00	4.339	333.462	-150.00
-4.080	334.112	-150.00	-4.000	334.232	-2.00	1421+0.000	334.312	333.908	0.404	4.000	334.232	-2.00	4.341	333.720	-150.00
-4.102	334.213	-150.00	-4.000	334.367	-2.00	1422+0.000	334.447	334.030	0.417	4.000	334.367	-2.00	4.355	333.835	-150.00
-4.124	334.022	-150.00	-4.000	334.208	-2.00	1423+0.000	334.288	333.876	0.412	4.000	334.208	-2.00	4.324	333.723	-150.00
-4.119	333.728	-150.00	-4.000	333.908	-2.00	1424+0.000	333.988	333.590	0.398	4.000	333.908	-2.00	4.288	333.476	-150.00
-4.156	333.455	-150.00	-4.000	333.689	-2.00	1425+0.000	333.769	333.379	0.389	4.000	333.689	-2.00	4.258	333.302	-150.00
-4.127	333.430	-150.00	-4.000	333.620	-2.00	1426+0.000	333.700	333.316	0.384	4.000	333.620	-2.00	4.281	333.198	-150.00
-4.149	333.641	-150.00	-4.000	333.864	-2.00	1427+0.000	333.944	333.587	0.356	4.000	333.864	-2.00	4.261	333.472	-150.00
-4.166	333.888	-150.00	-4.000	334.136	-2.00	1428+0.000	334.216	333.822	0.394	4.000	334.136	-2.00	4.206	333.828	-150.00
-4.200	334.257	-150.00	-4.000	334.557	-2.00	1429+0.000	334.637	334.257	0.380	4.000	334.557	-2.00	4.194	334.265	-150.00
-4.194	334.930	-150.00	-4.000	335.221	-2.00	1430+0.000	335.301	334.970	0.331	4.000	335.221	-2.00	4.171	334.964	-150.00
-4.267	335.490	-150.00	-4.000	335.892	-2.00	1431+0.000	335.972	335.551	0.421	4.000	335.892	-2.00	4.188	335.610	-150.00
-4.225	336.236	-150.00	-4.000	336.573	-2.00	1432+0.000	336.653	336.306	0.347	4.000	336.573	-2.00	4.164	336.328	-150.00
-4.263	336.530	-150.00	-4.000	336.924	-2.00	1433+0.000	337.004	336.621	0.384	4.000	336.924	-2.00	4.149	336.700	-150.00
-4.245	336.541	-150.00	-4.000	336.908	-2.00	1434+0.000	336.988	336.635	0.352	4.000	336.908	-2.00	4.123	336.723	-150.00
-4.263	336.394	-150.00	-4.000	336.789	-2.00	1435+0.000	336.869	336.472	0.397	4.000	336.789	-2.00	4.153	336.560	-150.00
-4.273	336.261	-150.00	-4.000	336.670	-2.00	1436+0.000	336.750	336.341	0.410	4.000	336.670	-2.00	4.169	336.418	-150.00
-4.325	336.065	-150.00	-4.000	336.552	-2.00	1437+0.000	336.632	336.173	0.459	4.000	336.552	-2.00	4.186	336.273	-150.00
-4.288	336.001	-150.00	-4.000	336.433	-2.00	1438+0.000	336.513	336.102	0.412	4.000	336.433	-2.00	4.164	336.187	-150.00
-4.240	335.997	-150.00	-4.000	336.357	-2.00	1439+0.000	336.437	336.073	0.365	4.000	336.357	-2.00	4.163	336.113	-150.00
-4.194	336.022	-150.00	-4.000	336.314	-2.00	1440+0.000	336.394	336.063	0.331	4.000	336.314	-2.00	4.141	336.103	-150.00
-4.256	335.887	-150.00	-4.000	336.271	-2.00	1441+0.000	336.351	335.893	0.458	4.000	336.271	-2.00	4.248	335.900	-150.00
-4.270	335.822	-150.00	-4.000	336.228	-2.00	1442+0.000	336.308	335.812	0.495	4.000	336.228	-2.00	4.284	335.802	-150.00
-4.225	335.936	-150.00	-4.000	336.273	-2.00	1443+0.000	336.353	335.963	0.390	4.000	336.273	-2.00	4.191	335.986	-150.00
-4.242	336.026	-150.00	-4.000	336.388	-2.00	1444+0.000	336.468	336.052	0.416	4.000	336.388	-2.00	4.207	336.078	-150.00
-4.266	336.104	-150.00	-4.000	336.504	-2.00	1445+0.000	336.584	336.143	0.440	4.000	336.504	-2.00	4.210	336.188	-150.00
-4.182	336.227	-150.00	-4.000	336.500	-2.00	1446+0.000	336.580	336.235	0.345	4.000	336.500	-2.00	4.173	336.240	-150.00
-4.192	335.933	-150.00	-4.000	336.221	-2.00	1447+0.000	336.301	335.962	0.339	4.000	336.221	-2.00	4.135	336.019	-150.00
-4.238	335.314	-150.00	-4.000	335.671	-2.00	1448+0.000	335.751	335.338	0.413	4.000	335.671	-2.00	4.206	335.362	-150.00
-4.251	334.491	-150.00	-4.000	334.867	-2.00	1449+0.000	334.947	334.524	0.423	4.000	334.867	-2.00	4.207	334.557	-150.00
-4.203	333.790	-150.00	-4.000	334.095	-2.00	1450+0.000	334.175	333.773	0.402	4.000	334.095	-2.00	4.232	333.747	-150.00

Osvaldo Leôncio da Silva Filho
Diretor da Diretoria de Projetos
Projetos e Obras - DUP/SD
Secretaria de Habitação (Sechab)

-4.187	333.190	-150.00	-4.000	333.471	-2.00	1451+0.000	333.551	333.140	0.411	4.000	333.471	-2.00	4.257	333.085	-150.00
-4.155	332.620	-150.00	-4.000	332.852	-2.00	1452+0.000	332.932	332.547	0.385	4.000	332.852	-2.00	4.247	332.481	-150.00
-4.158	332.148	-150.00	-4.000	332.385	-2.00	1453+0.000	332.465	332.051	0.414	4.000	332.385	-2.00	4.285	331.958	-150.00
-4.103	332.132	-150.00	-4.000	332.286	-2.00	1454+0.000	332.366	332.000	0.365	4.000	332.286	-2.00	4.208	331.973	-150.00
-4.170	332.506	-150.00	-4.000	332.761	-2.00	1455+0.000	332.841	332.416	0.425	4.000	332.761	-2.00	4.320	332.281	-150.00
-4.148	333.463	-150.00	-4.000	333.684	-2.00	1456+0.000	333.764	333.523	0.241	4.000	333.684	-2.00	4.069	333.581	-150.00
-4.208	334.427	-150.00	-4.000	334.739	-2.00	1457+0.000	334.819	334.483	0.336	4.000	334.739	-2.00	4.134	334.537	-150.00
-4.195	335.401	-150.00	-4.000	335.694	-2.00	1458+0.000	335.774	335.386	0.388	4.000	335.694	-2.00	4.215	335.371	-150.00
-4.201	336.014	-150.00	-4.000	336.314	-2.00	1459+0.000	336.394	335.979	0.415	4.000	336.314	-2.00	4.215	335.992	-150.00
-4.200	336.576	-150.00	-4.000	336.876	-2.00	1460+0.000	336.956	336.569	0.387	4.000	336.876	-2.00	4.229	336.532	-150.00
-4.138	336.932	-150.00	-4.000	337.139	-2.00	1461+0.000	337.219	336.809	0.410	4.000	337.139	-2.00	4.307	336.679	-150.00
-4.194	336.738	-150.00	-4.000	337.029	-2.00	1462+0.000	337.109	336.691	0.419	4.000	337.029	-2.00	4.258	336.643	-150.00
-4.169	336.146	-150.00	-4.000	336.400	-2.00	1463+0.000	336.480	336.106	0.373	4.000	336.400	-2.00	4.223	336.066	-150.00
-4.154	335.534	-150.00	-4.000	335.764	-2.00	1464+0.000	335.844	335.502	0.343	4.000	335.764	-2.00	4.192	335.476	-150.00
-4.158	334.893	-150.00	-4.000	335.129	-2.00	1465+0.000	335.209	334.860	0.349	4.000	335.129	-2.00	4.193	334.840	-150.00
-4.190	334.539	-150.00	-4.000	334.824	-2.00	1466+0.000	334.904	334.511	0.393	4.000	334.824	-2.00	4.186	334.544	-150.00
-4.206	334.947	-150.00	-4.000	335.256	-2.00	1467+0.000	335.336	334.935	0.402	4.000	335.256	-2.00	4.212	334.938	-150.00
-4.214	335.387	-150.00	-4.000	335.709	-2.00	1468+0.000	335.789	335.394	0.395	4.000	335.709	-2.00	4.198	335.411	-150.00
-4.185	336.079	-150.00	-4.000	336.357	-2.00	1469+0.000	336.437	336.052	0.384	4.000	336.357	-2.00	4.221	336.026	-150.00
-4.171	336.728	-150.00	-4.000	336.984	-2.00	1470+0.000	337.064	336.671	0.393	4.000	336.984	-2.00	4.248	336.612	-150.00
-4.212	337.146	-150.00	-4.000	337.464	-2.00	1471+0.000	337.544	337.138	0.406	4.000	337.464	-2.00	4.232	337.116	-150.00
-4.187	337.395	-150.00	-4.000	337.675	-2.00	1472+0.000	337.755	337.352	0.403	4.000	337.675	-2.00	4.244	337.309	-150.00
-4.185	337.488	-150.00	-4.000	337.765	-2.00	1473+0.000	337.845	337.445	0.401	4.000	337.765	-2.00	4.236	337.411	-150.00
-4.238	337.385	-150.00	-4.000	337.743	-2.00	1474+0.000	337.823	337.415	0.408	4.000	337.743	-2.00	4.200	337.443	-150.00
-4.247	337.226	-150.00	-4.000	337.596	-2.00	1475+0.000	337.676	337.255	0.421	4.000	337.596	-2.00	4.208	337.284	-150.00
-4.246	337.061	-150.00	-4.000	337.430	-2.00	1476+0.000	337.510	337.089	0.421	4.000	337.430	-2.00	4.208	337.118	-150.00
-4.242	336.900	-150.00	-4.000	337.264	-2.00	1477+0.000	337.344	336.942	0.401	4.000	337.264	-2.00	4.172	337.006	-150.00
-4.250	337.046	-150.00	-4.000	337.421	-2.00	1478+0.000	337.501	337.105	0.396	4.000	337.421	-2.00	4.185	337.144	-150.00
-4.247	337.222	-150.00	-4.000	337.592	-2.00	1479+0.000	337.672	337.278	0.394	4.000	337.592	-2.00	4.172	337.333	-150.00
-4.247	337.493	-150.00	-4.000	337.864	-2.00	1480+0.000	337.944	337.550	0.394	4.000	337.864	-2.00	4.171	337.607	-150.00
-4.255	337.788	-150.00	-4.000	338.170	-2.00	1481+0.000	338.250	337.854	0.396	4.000	338.170	-2.00	4.167	337.920	-150.00
-4.233	338.128	-150.00	-4.000	338.477	-2.00	1482+0.000	338.557	338.195	0.363	4.000	338.477	-2.00	4.162	338.234	-150.00
-4.246	338.228	-150.00	-4.000	338.598	-2.00	1483+0.000	338.678	338.281	0.397	4.000	338.598	-2.00	4.177	338.333	-150.00
-4.236	338.350	-150.00	-4.000	338.704	-2.00	1484+0.000	338.784	338.389	0.394	4.000	338.704	-2.00	4.184	338.428	-150.00
-4.227	338.505	-150.00	-4.000	338.845	-2.00	1485+0.000	338.925	338.532	0.393	4.000	338.845	-2.00	4.192	338.556	-150.00
-4.236	338.587	-150.00	-4.000	338.940	-2.00	1486+0.000	339.020	338.623	0.397	4.000	338.940	-2.00	4.173	338.681	-150.00
-4.245	338.728	-150.00	-4.000	339.096	-2.00	1487+0.000	339.176	338.800	0.376	4.000	339.096	-2.00	4.150	338.871	-150.00
-4.269	338.857	-150.00	-4.000	339.260	-2.00	1488+0.000	339.340	338.946	0.394	4.000	339.260	-2.00	4.152	339.032	-150.00
-4.280	339.130	-150.00	-4.000	339.550	-2.00	1489+0.000	339.630	339.231	0.399	4.000	339.550	-2.00	4.143	339.335	-150.00
-4.307	339.414	-150.00	-4.000	339.875	-2.00	1490+0.000	339.955	339.558	0.397	4.000	339.875	-2.00	4.123	339.690	-150.00
-4.288	339.623	-150.00	-4.000	340.056	-2.00	1491+0.000	340.136	339.775	0.360	4.000	340.056	-2.00	4.090	339.921	-150.00
-4.035	339.745	-150.00	-4.000	339.798	-2.00	1492+0.000	339.878	339.878	0.000	4.000	339.798	-2.00	4.352	340.033	66.67

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades (Secid)

SECRETARIA
DAS **CIDADES** - SECID

GOVERNO DO
PIAUÍ
AQUI TEM **TRABALHO**.
AQUI TEM **FUTURO**.

TRECHO 4: PI-114 AO POVOADO POÇO DA ANTA

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
0+0,00	0,540	0,180	0,000	0,000	0,000	0,000	0,000
1+0,00	0,000	1,450	5,690	15,940	5,690	15,940	-10,250
2+0,00	0,000	2,360	0,010	37,380	5,690	53,320	-47,630
3+0,00	0,000	2,900	0,000	52,520	5,690	105,840	-100,150
4+0,00	0,000	2,900	0,000	58,230	5,690	164,060	-158,370
5+0,00	0,000	2,950	0,000	58,690	5,690	222,750	-217,060
6+0,00	0,000	2,790	0,000	57,590	5,690	280,340	-274,650
7+0,00	0,000	3,010	0,000	58,320	5,690	338,660	-332,970
8+0,00	0,000	2,840	0,000	58,520	5,690	397,180	-391,490
9+0,00	0,000	2,320	0,000	51,490	5,690	448,680	-442,990
10+0,00	0,000	1,890	0,000	42,100	5,690	490,770	-485,080
11+0,00	0,000	1,800	0,000	36,920	5,690	527,700	-522,010
12+0,00	0,000	2,730	0,000	45,230	5,690	572,930	-567,240
13+0,00	0,000	3,130	0,000	58,540	5,690	631,470	-625,780
14+0,00	0,000	2,260	0,000	53,870	5,690	685,340	-679,650
15+0,00	0,000	4,020	0,000	62,740	5,690	748,080	-742,390
16+0,00	0,000	3,060	0,000	70,750	5,690	818,840	-813,150
17+0,00	0,000	3,950	0,000	70,130	5,690	888,970	-883,280
18+0,00	0,000	4,200	0,000	81,590	5,690	970,560	-964,870
19+0,00	0,000	3,450	0,000	76,590	5,690	1047,150	-1041,460
20+0,00	0,000	3,890	0,000	73,400	5,690	1120,550	-1114,860
21+0,00	0,000	3,380	0,000	72,660	5,690	1193,210	-1187,520
22+0,00	0,000	2,800	0,000	61,810	5,690	1255,020	-1249,330
23+0,00	0,000	3,360	0,000	61,590	5,690	1316,610	-1310,920
24+0,00	0,000	4,650	0,000	80,130	5,690	1396,740	-1391,050
25+0,00	0,000	3,720	0,000	83,760	5,690	1480,500	-1474,810
26+0,00	0,000	2,830	0,000	65,530	5,690	1546,030	-1540,340
27+0,00	0,000	3,240	0,000	60,750	5,690	1606,780	-1601,090
28+0,00	0,000	3,660	0,000	68,990	5,690	1675,770	-1670,080
29+0,00	0,000	3,160	0,000	68,170	5,690	1743,940	-1738,250
30+0,00	0,000	2,930	0,000	61,070	5,690	1805,010	-1799,320
31+0,00	0,000	2,890	0,000	58,360	5,690	1863,370	-1857,680
32+0,00	0,000	2,750	0,000	56,400	5,690	1919,770	-1914,080
33+0,00	0,000	2,850	0,000	55,960	5,690	1975,730	-1970,040
34+0,00	0,000	2,640	0,000	54,870	5,690	2030,600	-2024,910
35+0,00	0,000	2,750	0,000	53,890	5,690	2084,490	-2078,800
36+0,00	0,000	2,530	0,000	52,750	5,690	2137,240	-2131,550
37+0,00	0,000	2,850	0,000	53,770	5,690	2191,010	-2185,320
38+0,00	0,000	2,840	0,000	56,840	5,690	2247,850	-2242,160
39+0,00	0,000	0,830	0,000	36,620	5,690	2284,470	-2278,780
40+0,00	0,100	0,420	1,030	12,410	6,720	2296,880	-2290,160
41+0,00	0,000	1,020	1,030	14,320	7,750	2311,200	-2303,450
42+0,00	0,000	1,450	0,000	24,640	7,750	2335,840	-2328,090
43+0,00	0,000	2,010	0,000	34,570	7,750	2370,400	-2362,650
44+0,00	0,000	2,850	0,000	48,590	7,750	2419,000	-2411,250
45+0,00	0,000	2,330	0,000	51,810	7,750	2470,810	-2463,060
46+0,00	0,000	1,990	0,000	43,200	7,750	2514,010	-2506,260
47+0,00	0,000	2,230	0,000	42,210	7,750	2556,220	-2548,470
48+0,00	0,000	2,590	0,000	48,210	7,750	2604,420	-2596,670
49+0,00	0,000	2,980	0,000	55,730	7,750	2660,150	-2652,400
50+0,00	0,000	3,010	0,000	59,960	7,750	2720,110	-2712,360
51+0,00	0,000	2,990	0,000	60,010	7,750	2780,120	-2772,370
52+0,00	0,000	3,050	0,000	60,320	7,750	2840,440	-2832,690
53+0,00	0,000	3,060	0,000	61,010	7,750	2901,450	-2893,700
54+0,00	0,000	0,000	0,000	30,590	7,750	2932,040	-2924,290

Osvaldo Leôncio da S[illegible] Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades (Secid)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
55+0,00	0,000	3,000	0,000	30,060	7,750	2962,110	-2954,360
56+0,00	0,000	3,010	0,000	60,300	7,750	3022,410	-3014,660
57+0,00	0,000	2,800	0,000	58,100	7,750	3080,510	-3072,760
58+0,00	0,000	2,950	0,000	57,150	7,750	3137,650	-3129,900
59+0,00	0,000	2,970	0,000	59,020	7,750	3196,680	-3188,930
60+0,00	0,000	2,730	0,000	56,860	7,750	3253,530	-3245,780
61+0,00	0,000	2,860	0,000	55,800	7,750	3309,330	-3301,580
62+0,00	0,000	2,700	0,000	55,460	7,750	3364,790	-3357,040
63+0,00	0,000	2,890	0,000	55,860	7,750	3420,650	-3412,900
64+0,00	0,000	2,800	0,000	57,010	7,750	3477,670	-3469,920
65+0,00	0,000	2,750	0,000	55,500	7,750	3533,160	-3525,410
66+0,00	0,000	2,920	0,000	56,740	7,750	3589,900	-3582,150
67+0,00	0,000	2,760	0,000	56,870	7,750	3646,780	-3639,030
68+0,00	0,000	2,920	0,000	56,740	7,750	3703,520	-3695,770
69+0,00	0,000	3,140	0,000	60,280	7,750	3763,800	-3756,050
70+0,00	0,000	2,730	0,000	57,760	7,750	3821,560	-3813,810
71+0,00	0,000	3,330	0,000	59,700	7,750	3881,270	-3873,520
72+0,00	0,000	3,100	0,000	64,070	7,750	3945,330	-3937,580
73+0,00	0,000	3,100	0,000	61,890	7,750	4007,220	-3999,470
74+0,00	0,000	2,690	0,000	57,990	7,750	4065,210	-4057,460
75+0,00	0,000	2,950	0,000	56,620	7,750	4121,840	-4114,090
76+0,00	0,000	2,720	0,000	57,020	7,750	4178,860	-4171,110
77+0,00	0,000	3,070	0,000	58,140	7,750	4237,000	-4229,250
78+0,00	0,000	3,140	0,000	62,440	7,750	4299,440	-4291,690
79+0,00	0,000	2,950	0,000	61,180	7,750	4360,630	-4352,880
80+0,00	0,000	2,960	0,000	59,290	7,750	4419,910	-4412,160
81+0,00	0,000	3,070	0,000	60,340	7,750	4480,250	-4472,500
82+0,00	0,000	3,160	0,000	62,240	7,750	4542,490	-4534,740
83+0,00	0,000	2,670	0,000	58,190	7,750	4600,680	-4592,930
84+0,00	0,000	2,820	0,000	54,850	7,750	4655,530	-4647,780
85+0,00	0,000	2,630	0,000	54,460	7,750	4709,990	-4702,240
86+0,00	0,000	3,230	0,000	58,920	7,750	4768,910	-4761,160
87+0,00	0,000	2,690	0,000	59,680	7,750	4828,590	-4820,840
88+0,00	0,000	2,660	0,000	53,550	7,750	4882,140	-4874,390
89+0,00	0,000	2,900	0,000	54,780	7,750	4936,920	-4929,170
90+0,00	0,000	3,240	0,000	60,250	7,750	4997,170	-4989,420
91+0,00	0,000	3,530	0,000	66,250	7,750	5063,420	-5055,670
92+0,00	0,000	4,190	0,000	76,440	7,750	5139,860	-5132,110
93+0,00	0,000	3,840	0,000	80,280	7,750	5220,140	-5212,390
94+0,00	0,000	3,290	0,000	71,520	7,750	5291,660	-5283,910
95+0,00	0,000	2,910	0,000	62,200	7,750	5353,860	-5346,110
96+0,00	0,000	3,150	0,000	60,750	7,750	5414,610	-5406,860
97+0,00	0,000	2,860	0,000	60,140	7,750	5474,750	-5467,000
98+0,00	0,000	2,490	0,000	53,480	7,750	5528,230	-5520,480
99+0,00	0,000	2,900	0,000	53,850	7,750	5582,090	-5574,340
100+0,00	0,000	2,990	0,000	58,870	7,750	5640,960	-5633,210
101+0,00	0,000	3,080	0,000	60,690	7,750	5701,650	-5693,900
102+0,00	0,000	3,040	0,000	61,160	7,750	5762,820	-5755,070
103+0,00	0,000	3,620	0,000	66,540	7,750	5829,350	-5821,600
104+0,00	0,000	3,560	0,000	71,790	7,750	5901,150	-5893,400
105+0,00	0,000	3,310	0,000	68,750	7,750	5969,890	-5962,140
106+0,00	0,000	4,110	0,000	74,190	7,750	6044,090	-6036,340
107+0,00	0,000	3,030	0,000	71,360	7,750	6115,450	-6107,700
108+0,00	0,000	3,240	0,000	62,730	7,750	6178,180	-6170,430
109+0,00	0,000	3,040	0,000	62,900	7,750	6241,080	-6233,330
110+0,00	0,000	2,930	0,000	59,700	7,750	6300,780	-6293,030
111+0,00	0,000	3,090	0,000	60,310	7,750	6361,090	-6353,340
112+0,00	0,000	2,980	0,000	60,780	7,750	6421,870	-6414,120
113+0,00	0,000	2,980	0,000	59,650	7,750	6481,530	-6473,780
114+0,00	0,000	2,360	0,000	53,510	7,750	6535,040	-6527,290
115+0,00	0,000	1,640	0,010	40,110	7,760	6575,150	-6567,390
116+0,00	0,010	1,430	0,140	30,950	7,900	6606,100	-6598,200
117+0,00	0,000	2,650	0,130	40,970	8,030	6647,070	-6639,040
118+0,00	0,000	2,630	0,000	52,880	8,030	6699,940	-6691,910

Osvaldo Lacerda S...
Diretor da Unidade de P...
Projetos e Obras - DUPRO
Secretaria das Cidades (Secid)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
119+0,00	0,000	2,540	0,000	51,840	8,030	6751,780	-6743,750
120+0,00	0,000	2,610	0,000	51,640	8,030	6803,420	-6795,390
121+0,00	0,000	2,810	0,000	54,270	8,030	6857,700	-6849,670
122+0,00	0,000	2,760	0,000	55,730	8,030	6913,420	-6905,390
123+0,00	0,000	2,820	0,000	55,820	8,030	6969,240	-6961,210
124+0,00	0,000	2,950	0,000	57,720	8,030	7026,960	-7018,930
125+0,00	0,000	3,100	0,000	60,510	8,030	7087,480	-7079,450
126+0,00	0,000	2,730	0,000	58,300	8,030	7145,780	-7137,750
127+0,00	0,000	2,740	0,000	54,630	8,030	7200,410	-7192,380
128+0,00	0,000	2,950	0,000	56,840	8,030	7257,250	-7249,220
129+0,00	0,000	3,000	0,000	59,490	8,030	7316,740	-7308,710
130+0,00	0,000	3,170	0,000	61,690	8,030	7378,430	-7370,400
131+0,00	0,000	2,990	0,000	61,620	8,030	7440,060	-7432,030
132+0,00	0,000	3,390	0,000	63,820	8,030	7503,870	-7495,840
133+0,00	0,000	3,660	0,000	70,490	8,030	7574,360	-7566,330
134+0,00	0,000	3,840	0,000	74,980	8,030	7649,340	-7641,310
135+0,00	0,000	3,350	0,000	71,870	8,030	7721,210	-7713,180
136+0,00	0,000	2,960	0,000	63,060	8,030	7784,270	-7776,240
137+0,00	0,000	2,890	0,000	58,470	8,030	7842,740	-7834,710
138+0,00	0,000	3,230	0,000	61,210	8,030	7903,950	-7895,920
139+0,00	0,000	3,430	0,000	66,620	8,030	7970,570	-7962,540
140+0,00	0,000	2,950	0,000	63,820	8,030	8034,380	-8026,350
141+0,00	0,000	3,080	0,000	60,290	8,030	8094,680	-8086,650
142+0,00	0,000	3,480	0,000	65,630	8,030	8160,300	-8152,270
143+0,00	0,000	3,740	0,000	72,280	8,030	8232,580	-8224,550
144+0,00	0,000	3,700	0,000	74,460	8,030	8307,040	-8299,010
145+0,00	0,000	3,210	0,000	69,110	8,030	8376,140	-8368,110
146+0,00	0,000	3,210	0,000	64,160	8,030	8440,310	-8432,280
147+0,00	0,000	3,230	0,000	64,370	8,030	8504,680	-8496,650
148+0,00	0,000	3,030	0,000	62,590	8,030	8567,260	-8559,230
149+0,00	0,000	2,980	0,000	60,100	8,030	8627,370	-8619,340
150+0,00	0,000	2,430	0,000	54,170	8,030	8681,540	-8673,510
151+0,00	0,000	3,210	0,000	56,420	8,030	8737,960	-8729,930
152+0,00	0,000	3,770	0,000	69,800	8,030	8807,760	-8799,730
153+0,00	0,000	3,220	0,000	69,970	8,030	8877,730	-8869,700
154+0,00	0,000	3,910	0,000	71,320	8,030	8949,050	-8941,020
155+0,00	0,000	3,930	0,000	78,340	8,030	9027,390	-9019,360
156+0,00	0,000	3,480	0,000	74,040	8,030	9101,430	-9093,400
157+0,00	0,000	3,010	0,000	64,870	8,030	9166,300	-9158,270
158+0,00	0,000	2,840	0,000	58,490	8,030	9224,790	-9216,760
159+0,00	0,000	2,190	0,000	50,260	8,030	9275,050	-9267,020
160+0,00	0,000	2,860	0,000	50,420	8,030	9325,480	-9317,450
161+0,00	0,000	3,020	0,000	58,740	8,030	9384,220	-9376,190
162+0,00	0,000	2,990	0,000	60,070	8,030	9444,280	-9436,250
163+0,00	0,000	3,070	0,000	60,510	8,030	9504,790	-9496,760
164+0,00	0,000	3,020	0,000	60,800	8,030	9565,590	-9557,560
165+0,00	0,000	3,020	0,000	60,320	8,030	9625,910	-9617,880
166+0,00	0,000	3,080	0,000	60,970	8,030	9686,890	-9678,860
167+0,00	0,000	3,160	0,000	62,390	8,030	9749,280	-9741,250
168+0,00	0,000	3,030	0,000	61,960	8,030	9811,240	-9803,210
169+0,00	0,000	3,190	0,000	62,730	8,030	9873,970	-9865,940
170+0,00	0,000	3,110	0,000	63,240	8,030	9937,210	-9929,180
171+0,00	0,000	3,180	0,000	63,030	8,030	10000,240	-9992,210
172+0,00	0,000	3,100	0,000	62,760	8,030	10063,000	-10054,970
173+0,00	0,000	3,070	0,000	61,670	8,030	10124,670	-10116,640
174+0,00	0,000	3,140	0,000	62,040	8,030	10186,710	-10178,680
175+0,00	0,000	3,080	0,000	62,190	8,030	10248,900	-10240,870
176+0,00	0,000	3,070	0,000	61,570	8,030	10310,470	-10302,440
177+0,00	0,000	3,290	0,000	63,680	8,030	10374,150	-10366,120
178+0,00	0,000	2,860	0,000	61,460	8,030	10435,610	-10427,580
179+0,00	0,000	2,770	0,000	56,040	8,030	10491,650	-10483,620
180+0,00	0,000	2,240	0,000	49,740	8,030	10541,390	-10533,360
181+0,00	0,050	2,450	0,480	46,330	8,500	10587,720	-10579,220
182+0,00	0,050	0,000	0,980	24,410	9,490	10612,140	-10602,650

Osvaldo Leôncio da S... dho
Diretoria Unidade de Projetos
Projetos e Obras - Equipe
Secretaria ... Desenvolvimento

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
183+0,00	0,030	3,080	0,820	30,790	10,310	10642,930	-10632,620
184+0,00	0,000	3,300	0,340	63,830	10,640	10706,760	-10696,120
185+0,00	0,010	2,900	0,130	62,020	10,780	10768,780	-10758,000
186+0,00	0,010	2,880	0,190	57,740	10,960	10826,520	-10815,560
187+0,00	0,020	2,540	0,310	54,190	11,280	10880,710	-10869,430
188+0,00	0,050	2,400	0,770	49,390	12,040	10930,100	-10918,060
189+0,00	0,030	2,160	0,840	45,540	12,890	10975,640	-10962,750
190+0,00	0,040	2,290	0,650	44,490	13,540	11020,130	-11006,590
191+0,00	0,000	2,690	0,380	49,790	13,920	11069,920	-11056,000
192+0,00	0,000	2,870	0,030	55,570	13,950	11125,490	-11111,540
193+0,00	0,000	2,920	0,000	57,830	13,950	11183,320	-11169,370
194+0,00	0,000	2,960	0,000	58,770	13,950	11242,090	-11228,140
195+0,00	0,000	2,800	0,000	57,680	13,950	11299,760	-11285,810
196+0,00	0,000	2,920	0,000	57,430	13,950	11357,190	-11343,240
197+0,00	0,000	2,900	0,000	59,020	13,950	11416,210	-11402,260
198+0,00	0,000	2,810	0,000	57,120	13,950	11473,330	-11459,380
199+0,00	0,000	3,080	0,000	58,790	13,950	11532,120	-11518,170
200+0,00	0,000	2,940	0,000	60,100	13,950	11592,230	-11578,280
201+0,00	0,000	3,130	0,000	60,620	13,950	11652,850	-11638,900
202+0,00	0,000	2,870	0,000	59,920	13,950	11712,770	-11698,820
203+0,00	0,000	2,850	0,000	57,190	13,950	11769,960	-11756,010
204+0,00	0,000	2,970	0,000	58,270	13,950	11828,240	-11814,290
205+0,00	0,000	2,930	0,000	59,020	13,950	11887,260	-11873,310
206+0,00	0,000	2,850	0,000	57,770	13,950	11945,030	-11931,080
207+0,00	0,000	2,470	0,000	53,190	13,950	11998,220	-11984,270
208+0,00	0,000	2,910	0,000	53,750	13,950	12051,970	-12038,020
209+0,00	0,000	2,350	0,000	52,530	13,950	12104,500	-12090,550
210+0,00	0,000	2,710	0,000	50,560	13,950	12155,060	-12141,110
211+0,00	0,000	3,320	0,000	60,240	13,950	12215,300	-12201,350
212+0,00	0,000	3,970	0,000	72,860	13,950	12288,160	-12274,210
213+0,00	0,000	5,210	0,000	91,740	13,950	12379,900	-12365,950
214+0,00	0,000	4,470	0,000	96,600	13,950	12476,500	-12462,550
215+0,00	0,000	3,960	0,000	84,180	13,950	12560,680	-12546,730
216+0,00	0,000	3,240	0,000	71,900	13,950	12632,580	-12618,630
217+0,00	0,000	3,240	0,000	64,530	13,950	12697,110	-12683,160
218+0,00	0,000	2,900	0,000	60,990	13,950	12758,100	-12744,150
219+0,00	0,000	3,140	0,000	60,460	13,950	12818,570	-12804,620
220+0,00	0,000	4,340	0,000	74,920	13,950	12893,490	-12879,540
221+0,00	0,000	4,460	0,000	88,070	13,950	12981,560	-12967,610
222+0,00	0,000	3,330	0,000	77,900	13,950	13059,460	-13045,510
223+0,00	0,000	2,910	0,000	62,400	13,950	13121,850	-13107,900
224+0,00	0,000	2,550	0,000	54,580	13,950	13176,430	-13162,480
225+0,00	0,000	2,290	0,000	48,360	13,950	13224,790	-13210,840
226+0,00	0,000	1,410	0,000	37,010	13,950	13261,800	-13247,850
227+0,00	0,000	2,390	0,000	37,970	13,950	13299,770	-13285,820
228+0,00	0,000	2,920	0,000	53,040	13,950	13352,800	-13338,850
229+0,00	0,000	2,980	0,000	58,970	13,950	13411,770	-13397,820
230+0,00	0,000	3,040	0,000	60,160	13,950	13471,940	-13457,990
231+0,00	0,000	3,020	0,000	60,550	13,950	13532,480	-13518,530
232+0,00	0,000	2,970	0,000	59,900	13,950	13592,380	-13578,430
233+0,00	0,000	2,910	0,000	58,910	13,950	13651,280	-13637,330
234+0,00	0,000	3,000	0,000	59,470	13,950	13710,750	-13696,800
235+0,00	0,000	2,720	0,000	57,460	13,950	13768,210	-13754,260
236+0,00	0,000	2,770	0,000	54,840	13,950	13823,050	-13809,100
237+0,00	0,000	2,620	0,000	53,910	13,950	13876,960	-13863,010
238+0,00	0,000	2,440	0,000	50,580	13,950	13927,540	-13913,590
239+0,00	0,000	2,360	0,000	47,960	13,950	13975,490	-13961,540
240+0,00	0,000	2,770	0,000	51,310	13,950	14026,810	-14012,860
241+0,00	0,000	2,570	0,000	53,430	13,950	14080,240	-14066,290
242+0,00	0,000	2,880	0,000	54,570	13,950	14134,820	-14120,870
243+0,00	0,000	3,070	0,000	59,800	13,950	14194,620	-14180,670
244+0,00	0,000	2,900	0,000	60,190	13,950	14254,810	-14240,860
245+0,00	0,000	2,900	0,000	58,430	13,950	14313,240	-14299,290
246+0,00	0,000	3,090	0,000	60,000	13,950	14373,240	-14359,290

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria de Obras e Serviços

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
247+0,00	0,000	2,780	0,000	58,660	13,950	14431,910	-14417,960
248+0,00	0,000	3,040	0,000	58,140	13,950	14490,050	-14476,100
249+0,00	0,000	2,980	0,000	60,140	13,950	14550,180	-14536,230
250+0,00	0,000	2,770	0,000	57,440	13,950	14607,630	-14593,680
251+0,00	0,000	2,820	0,000	55,930	13,950	14663,560	-14649,610
252+0,00	0,000	2,780	0,000	56,060	13,950	14719,620	-14705,670
253+0,00	0,000	2,600	0,000	53,840	13,950	14773,460	-14759,510
254+0,00	0,000	3,120	0,000	57,260	13,950	14830,720	-14816,770
255+0,00	0,000	3,070	0,000	61,880	13,950	14892,600	-14878,650
256+0,00	0,000	3,020	0,000	60,840	13,950	14953,440	-14939,490
257+0,00	0,000	3,180	0,000	61,920	13,950	15015,360	-15001,410
258+0,00	0,000	3,090	0,000	62,610	13,950	15077,970	-15064,020
259+0,00	0,000	0,000	0,000	30,870	13,950	15108,840	-15094,890
260+0,00	0,000	2,960	0,000	29,610	13,950	15138,450	-15124,500
261+0,00	0,000	3,050	0,000	60,160	13,950	15198,620	-15184,670
262+0,00	0,000	3,220	0,000	62,780	13,950	15261,390	-15247,440
263+0,00	0,000	3,040	0,000	62,650	13,950	15324,040	-15310,090
264+0,00	0,000	3,150	0,000	61,960	13,950	15386,000	-15372,050
265+0,00	0,000	2,910	0,000	60,650	13,950	15446,650	-15432,700
266+0,00	0,000	2,580	0,000	54,960	13,950	15501,610	-15487,660
267+0,00	0,000	2,510	0,000	50,910	13,950	15552,520	-15538,570
268+0,00	0,000	2,960	0,000	54,600	13,950	15607,120	-15593,170
269+0,00	0,000	3,190	0,000	61,440	13,950	15668,570	-15654,620
270+0,00	0,000	3,130	0,000	63,190	13,950	15731,760	-15717,810
271+0,00	0,000	2,830	0,000	59,650	13,950	15791,410	-15777,460
272+0,00	0,000	3,000	0,000	58,370	13,950	15849,780	-15835,830
273+0,00	0,000	3,040	0,000	60,420	13,950	15910,200	-15896,250
274+0,00	0,000	3,510	0,000	65,630	13,950	15975,830	-15961,880
275+0,00	0,000	3,150	0,000	66,650	13,950	16042,480	-16028,530
276+0,00	0,000	2,970	0,000	61,190	13,950	16103,670	-16089,720
277+0,00	0,000	2,970	0,000	59,400	13,950	16163,060	-16149,110
278+0,00	0,000	2,870	0,000	58,370	13,950	16221,440	-16207,490
279+0,00	0,000	3,060	0,000	59,300	13,950	16280,730	-16266,780
280+0,00	0,000	3,590	0,000	66,540	13,950	16347,280	-16333,330
281+0,00	0,000	3,560	0,000	71,570	13,950	16418,850	-16404,900
282+0,00	0,000	3,300	0,000	68,640	13,950	16487,490	-16473,540
283+0,00	0,000	3,020	0,000	63,210	13,950	16550,700	-16536,750
284+0,00	0,000	2,990	0,000	60,140	13,950	16610,850	-16596,900
285+0,00	0,000	2,890	0,000	58,830	13,950	16669,680	-16655,730
286+0,00	0,000	2,950	0,000	58,400	13,950	16728,080	-16714,130
287+0,00	0,000	2,910	0,000	58,550	13,950	16786,640	-16772,690
288+0,00	0,000	2,940	0,000	58,490	13,950	16845,130	-16831,180
289+0,00	0,000	2,900	0,000	58,450	13,950	16903,580	-16889,630
290+0,00	0,000	2,930	0,000	58,350	13,950	16961,930	-16947,980
291+0,00	0,000	2,940	0,000	58,750	13,950	17020,680	-17006,730
292+0,00	0,000	2,940	0,000	58,840	13,950	17079,520	-17065,570
293+0,00	0,000	2,490	0,000	54,320	13,950	17133,840	-17119,890
294+0,00	0,000	1,900	0,000	43,920	13,950	17177,760	-17163,810
295+0,00	0,000	2,790	0,000	46,940	13,950	17224,700	-17210,750
296+0,00	0,000	2,880	0,000	56,780	13,950	17281,480	-17267,530
297+0,00	0,000	2,610	0,000	54,870	13,950	17336,350	-17322,400
298+0,00	0,000	2,820	0,000	54,270	13,950	17390,620	-17376,670
299+0,00	0,000	2,870	0,000	56,880	13,950	17447,500	-17433,550
300+0,00	0,000	2,860	0,000	57,250	13,950	17504,750	-17490,800
301+0,00	0,000	2,960	0,000	58,180	13,950	17562,920	-17548,970
302+0,00	0,000	2,900	0,000	58,640	13,950	17621,570	-17607,620
303+0,00	0,000	2,960	0,000	58,630	13,950	17680,200	-17666,250
304+0,00	0,000	2,930	0,000	58,950	13,950	17739,150	-17725,200
305+0,00	0,000	3,120	0,000	60,520	13,950	17799,670	-17785,720
306+0,00	0,000	2,840	0,000	59,620	13,950	17859,290	-17845,340
307+0,00	0,000	3,040	0,000	58,780	13,950	17918,070	-17904,120
308+0,00	0,000	3,210	0,000	62,420	13,950	17980,490	-17966,540
309+0,00	0,000	3,390	0,000	65,970	13,950	18046,450	-18032,500
310+0,00	0,000	3,800	0,000	71,900	13,950	18118,360	-18104,410

Osvaldo Leôncio da Silva
Diretoria de Programas, Projetos e Obras - DUPPO
Secretaria de Cidades (Secid)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Liquido (m3)
311+0,00	0,000	3,860	0,000	76,570	13,950	18194,920	-18180,970
312+0,00	0,000	4,820	0,000	86,750	13,950	18281,680	-18267,730
313+0,00	0,000	4,020	0,000	88,350	13,950	18370,020	-18356,070
314+0,00	0,000	4,230	0,000	82,510	13,950	18452,530	-18438,580
315+0,00	0,000	3,360	0,000	75,920	13,950	18528,450	-18514,500
316+0,00	0,000	3,000	0,000	63,570	13,950	18592,020	-18578,070
317+0,00	0,000	3,610	0,000	66,100	13,950	18658,120	-18644,170
318+0,00	0,000	4,200	0,000	78,180	13,950	18736,300	-18722,350
319+0,00	0,000	3,700	0,000	79,020	13,950	18815,320	-18801,370
320+0,00	0,000	3,420	0,000	71,200	13,950	18886,520	-18872,570
321+0,00	0,000	2,810	0,000	62,240	13,950	18948,760	-18934,810
322+0,00	0,000	2,610	0,000	54,180	13,950	19002,940	-18988,990
323+0,00	0,000	1,320	0,000	39,350	13,950	19042,300	-19028,350
324+0,00	0,000	1,870	0,000	31,980	13,950	19074,280	-19060,330
325+0,00	0,000	2,640	0,000	45,130	13,950	19119,410	-19105,460
326+0,00	0,000	2,730	0,000	53,720	13,950	19173,130	-19159,180
327+0,00	0,000	1,930	0,000	46,610	13,950	19219,750	-19205,800
328+0,00	0,000	2,000	0,000	39,220	13,950	19258,970	-19245,020
329+0,00	0,000	3,230	0,000	52,240	13,950	19311,220	-19297,270
330+0,00	0,000	3,300	0,000	65,250	13,950	19376,470	-19362,520
331+0,00	0,000	3,170	0,000	64,650	13,950	19441,110	-19427,160
332+0,00	0,000	2,470	0,000	56,360	13,950	19497,470	-19483,520
333+0,00	0,000	2,080	0,000	45,450	13,950	19542,930	-19528,980
334+0,00	0,000	1,960	0,000	40,360	13,950	19583,290	-19569,340
335+0,00	0,000	2,600	0,000	45,560	13,950	19628,850	-19614,900
336+0,00	0,000	2,840	0,000	54,380	13,950	19683,240	-19669,290
337+0,00	0,000	2,840	0,000	56,780	13,950	19740,020	-19726,070
338+0,00	0,000	2,870	0,000	57,110	13,950	19797,130	-19783,180
339+0,00	0,000	2,780	0,000	56,550	13,950	19853,680	-19839,730
340+0,00	0,000	2,100	0,000	48,850	13,950	19902,530	-19888,580
341+0,00	0,000	3,480	0,000	55,860	13,950	19958,390	-19944,440
342+0,00	0,000	3,500	0,000	69,780	13,950	20028,170	-20014,220
343+0,00	0,000	2,390	0,000	58,890	13,950	20087,060	-20073,110
344+0,00	0,000	2,210	0,000	46,000	13,950	20133,060	-20119,110
345+0,00	0,000	1,790	0,000	40,010	13,950	20173,070	-20159,120
346+0,00	0,000	3,280	0,000	50,730	13,950	20223,800	-20209,850
347+0,00	0,000	2,580	0,000	58,600	13,950	20282,400	-20268,450
348+0,00	0,000	2,470	0,000	50,540	13,950	20332,940	-20318,990
349+0,00	0,000	2,040	0,000	45,180	13,950	20378,130	-20364,180
350+0,00	0,000	2,970	0,000	50,110	13,950	20428,230	-20414,280
351+0,00	0,000	2,580	0,000	55,430	13,950	20483,660	-20469,710
352+0,00	0,000	2,970	0,000	55,490	13,950	20539,150	-20525,200
353+0,00	0,000	2,960	0,000	59,290	13,950	20598,440	-20584,490
354+0,00	0,000	2,940	0,000	59,010	13,950	20657,450	-20643,500
355+0,00	0,000	2,840	0,000	57,870	13,950	20715,310	-20701,360
356+0,00	0,000	2,960	0,000	58,110	13,950	20773,420	-20759,470
357+0,00	0,000	2,800	0,000	57,670	13,950	20831,100	-20817,150
358+0,00	0,000	2,960	0,000	57,490	13,950	20888,580	-20874,630
359+0,00	0,000	2,910	0,000	58,590	13,950	20947,170	-20933,220
360+0,00	0,000	2,910	0,000	58,240	13,950	21005,410	-20991,460
361+0,00	0,000	2,890	0,000	58,080	13,950	21063,490	-21049,540
362+0,00	0,000	3,140	0,000	60,310	13,950	21123,800	-21109,850
363+0,00	0,000	3,150	0,000	63,060	13,950	21186,860	-21172,910
364+0,00	0,000	3,100	0,000	62,610	13,950	21249,470	-21235,520
365+0,00	0,000	3,450	0,000	66,140	13,950	21315,610	-21301,660
366+0,00	0,000	3,550	0,000	70,520	13,950	21386,130	-21372,180
367+0,00	0,000	3,530	0,000	71,410	13,950	21457,550	-21443,600
368+0,00	0,000	3,520	0,000	70,720	13,950	21528,270	-21514,320
369+0,00	0,000	2,900	0,000	64,290	13,950	21592,550	-21578,600
370+0,00	0,000	2,660	0,020	55,520	13,980	21648,080	-21634,100
371+0,00	0,000	2,720	0,030	53,140	14,000	21701,210	-21687,210
372+0,00	0,000	2,520	0,000	51,530	14,000	21752,750	-21738,750
373+0,00	0,000	2,910	0,000	54,170	14,000	21806,920	-21792,920
374+0,00	0,000	3,430	0,000	63,440	14,000	21870,360	-21856,360

Osvaldo Leôncio da Silva Filho
Diretoria de Projetos
Projetos e Obras - DIPPO
Seap/Funap - Rio Branco (Suprid)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
375+0,00	0,000	2,670	0,000	61,090	14,000	21931,450	-21917,450
376+0,00	0,000	2,150	0,040	48,220	14,040	21979,670	-21965,630
377+0,00	0,000	3,280	0,040	54,290	14,090	22033,960	-22019,870
378+0,00	0,040	2,180	0,400	54,470	14,480	22088,430	-22073,950
379+0,00	0,000	2,770	0,400	49,250	14,880	22137,670	-22122,790
380+0,00	0,240	1,420	2,380	41,790	17,260	22179,470	-22162,210
381+0,00	0,050	2,250	2,900	36,540	20,160	22216,010	-22195,850
382+0,00	0,000	0,000	0,510	22,410	20,680	22238,420	-22217,740
383+0,00	0,000	3,050	0,000	30,490	20,680	22268,910	-22248,230
384+0,00	0,000	2,980	0,000	60,320	20,680	22329,230	-22308,550
385+0,00	0,000	3,120	0,000	60,980	20,680	22390,210	-22369,530
386+0,00	0,000	3,060	0,000	61,850	20,680	22452,060	-22431,380
387+0,00	0,000	2,690	0,000	57,500	20,680	22509,560	-22488,880
388+0,00	0,000	2,940	0,000	56,250	20,680	22565,810	-22545,130
389+0,00	0,000	2,920	0,000	58,570	20,680	22624,380	-22603,700
390+0,00	0,000	2,980	0,000	58,960	20,680	22683,330	-22662,650
391+0,00	0,000	3,110	0,000	60,900	20,680	22744,240	-22723,560
392+0,00	0,000	2,660	0,000	57,700	20,680	22801,940	-22781,260
393+0,00	0,000	2,360	0,000	50,160	20,680	22852,110	-22831,430
394+0,00	0,000	4,110	0,000	64,830	20,680	22916,940	-22896,260
395+0,00	0,000	3,210	0,000	73,500	20,680	22990,440	-22969,760
396+0,00	0,000	3,190	0,000	63,810	20,680	23054,250	-23033,570
397+0,00	0,000	3,300	0,000	65,110	20,680	23119,360	-23098,680
398+0,00	0,010	1,570	0,070	49,160	20,750	23168,510	-23147,760
399+0,00	0,000	1,830	0,120	34,400	20,870	23202,910	-23182,040
400+0,00	0,130	0,950	1,310	28,020	22,180	23230,940	-23208,760
401+0,00	0,000	2,980	1,270	39,390	23,450	23270,330	-23246,880
402+0,00	0,000	2,800	0,000	58,110	23,450	23328,440	-23304,990
403+0,00	0,000	2,660	0,000	54,980	23,450	23383,420	-23359,970
404+0,00	0,000	2,500	0,000	51,860	23,450	23435,280	-23411,830
405+0,00	0,000	2,620	0,000	51,190	23,450	23486,470	-23463,020
406+0,00	0,000	2,720	0,000	53,360	23,450	23539,830	-23516,380
407+0,00	0,000	2,790	0,000	54,830	23,450	23594,660	-23571,210
408+0,00	0,000	2,690	0,000	54,610	23,450	23649,270	-23625,820
409+0,00	0,000	2,650	0,000	53,220	23,450	23702,490	-23679,040
410+0,00	0,000	2,570	0,000	51,960	23,450	23754,450	-23731,000
411+0,00	0,000	3,650	0,000	61,630	23,450	23816,080	-23792,630
412+0,00	0,010	3,640	0,100	71,950	23,550	23888,030	-23864,480
413+0,00	0,080	0,000	0,890	35,940	24,440	23923,970	-23899,530
414+0,00	0,820	2,550	9,080	25,290	33,520	23949,250	-23915,730
415+0,00	0,970	4,030	18,260	64,970	51,790	24014,230	-23962,440
416+0,00	0,650	4,460	16,400	84,180	68,190	24098,400	-24030,210
417+0,00	0,470	4,710	11,290	90,970	79,480	24189,370	-24109,890
418+0,00	0,740	3,290	12,240	79,420	91,720	24268,790	-24177,070
419+0,00	0,390	3,650	11,430	68,870	103,150	24337,660	-24234,510
420+0,00	0,340	3,110	7,360	67,070	110,510	24404,730	-24294,220
421+0,00	0,000	3,850	3,440	69,190	113,950	24473,920	-24359,970
422+0,00	0,000	3,520	0,000	73,440	113,950	24547,360	-24433,410
423+0,00	0,000	3,540	0,010	70,550	113,960	24617,910	-24503,950
424+0,00	0,000	3,950	0,010	74,840	113,980	24692,750	-24578,770
425+0,00	0,000	3,140	0,000	71,190	113,980	24763,940	-24649,960
426+0,00	0,000	4,210	0,000	75,010	113,980	24838,950	-24724,970
427+0,00	0,000	3,560	0,000	79,100	113,980	24918,040	-24804,060
428+0,00	0,040	2,960	0,410	66,040	114,380	24984,090	-24869,710
429+0,00	0,000	2,730	0,410	57,080	114,800	25041,170	-24926,370
430+0,00	0,000	2,960	0,000	56,970	114,800	25098,140	-24983,340
431+0,00	0,000	2,760	0,000	57,270	114,800	25155,410	-25040,610
432+0,00	0,000	1,030	0,000	37,930	114,800	25193,340	-25078,540
433+0,00	0,000	1,470	0,000	24,980	114,800	25218,320	-25103,520
434+0,00	0,000	2,050	0,000	35,170	114,800	25253,490	-25138,690
435+0,00	0,000	3,370	0,000	54,160	114,800	25307,660	-25192,860
436+0,00	0,000	3,300	0,000	66,710	114,800	25374,360	-25259,560
437+0,00	0,000	3,020	0,000	63,150	114,800	25437,510	-25322,710
438+0,00	0,000	3,130	0,000	61,390	114,800	25498,900	-25384,100

Projetos e Obras - DUPRO

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Liquido (m3)
439+0,00	0,000	0,000	0,000	31,230	114,800	25530,130	-25415,330
440+0,00	0,000	3,160	0,000	31,530	114,800	25561,670	-25446,870
441+0,00	0,000	2,920	0,000	60,710	114,800	25622,380	-25507,580
442+0,00	0,000	2,930	0,000	58,470	114,800	25680,850	-25566,050
443+0,00	0,000	3,120	0,000	60,460	114,800	25741,300	-25626,500
444+0,00	0,000	2,920	0,000	60,420	114,800	25801,720	-25686,920
445+0,00	0,000	2,860	0,000	57,890	114,800	25859,610	-25744,810
446+0,00	0,000	2,680	0,000	55,640	114,800	25915,260	-25800,460
447+0,00	0,000	2,920	0,000	56,410	114,800	25971,660	-25856,860
448+0,00	0,000	2,950	0,000	58,820	114,800	26030,490	-25915,690
449+0,00	0,000	2,960	0,000	59,030	114,800	26089,510	-25974,710
450+0,00	0,000	2,950	0,000	59,090	114,800	26148,600	-26033,800
451+0,00	0,000	2,930	0,000	58,920	114,800	26207,530	-26092,730
452+0,00	0,000	3,040	0,000	59,840	114,800	26267,360	-26152,560
453+0,00	0,000	2,850	0,000	59,110	114,800	26326,470	-26211,670
454+0,00	0,000	2,950	0,000	58,080	114,800	26384,550	-26269,750
455+0,00	0,000	2,680	0,000	56,350	114,800	26440,900	-26326,100
456+0,00	0,000	3,010	0,000	57,010	114,800	26497,920	-26383,120
457+0,00	0,000	3,050	0,000	60,750	114,800	26558,670	-26443,870
458+0,00	0,000	2,910	0,000	59,800	114,800	26618,470	-26503,670
459+0,00	0,000	3,000	0,000	59,370	114,800	26677,840	-26563,040
460+0,00	0,000	2,990	0,000	60,160	114,800	26738,000	-26623,200
461+0,00	0,000	3,000	0,000	60,160	114,800	26798,160	-26683,360
462+0,00	0,000	3,060	0,000	60,610	114,800	26858,760	-26743,960
463+0,00	0,000	3,140	0,000	62,020	114,800	26920,780	-26805,980
464+0,00	0,000	3,220	0,000	63,610	114,800	26984,390	-26869,590
465+0,00	0,000	2,900	0,000	61,220	114,800	27045,610	-26930,810
466+0,00	0,000	3,050	0,000	59,630	114,800	27105,240	-26990,440
467+0,00	0,000	2,920	0,000	59,800	114,800	27165,040	-27050,240
468+0,00	0,000	2,740	0,000	56,570	114,800	27221,610	-27106,810
469+0,00	0,000	2,850	0,000	55,920	114,800	27277,530	-27162,730
470+0,00	0,000	2,750	0,000	56,070	114,800	27333,600	-27218,800
471+0,00	0,000	2,920	0,000	56,720	114,800	27390,320	-27275,520
472+0,00	0,000	3,140	0,000	60,580	114,800	27450,900	-27336,100
473+0,00	0,000	4,150	0,000	72,940	114,800	27523,850	-27409,050
474+0,00	0,000	2,710	0,000	68,590	114,800	27592,440	-27477,640
475+0,00	0,080	1,140	0,780	38,430	115,580	27630,870	-27515,290
476+0,00	0,080	1,430	1,570	25,670	117,150	27656,540	-27539,390
477+0,00	0,000	2,180	0,780	36,140	117,930	27692,680	-27574,750
478+0,00	0,000	2,940	0,000	51,230	117,930	27743,920	-27625,990
479+0,00	0,000	2,860	0,000	58,070	117,930	27801,980	-27684,050
480+0,00	0,000	3,070	0,000	59,290	117,930	27861,270	-27743,340
481+0,00	0,000	3,080	0,000	61,480	117,930	27922,750	-27804,820
482+0,00	0,000	2,810	0,000	58,900	117,930	27981,650	-27863,720
483+0,00	0,000	2,970	0,000	57,800	117,930	28039,460	-27921,530
484+0,00	0,000	2,960	0,000	59,350	117,930	28098,800	-27980,870
485+0,00	0,000	2,820	0,000	57,800	117,930	28156,610	-28038,680
486+0,00	0,000	2,420	0,000	52,410	117,930	28209,020	-28091,090
487+0,00	0,000	2,190	0,000	46,120	117,930	28255,140	-28137,210
488+0,00	0,000	2,780	0,000	49,680	117,930	28304,820	-28186,890
489+0,00	0,000	3,590	0,000	63,650	117,930	28368,470	-28250,540
490+0,00	0,000	4,110	0,000	76,960	117,930	28445,430	-28327,500
491+0,00	0,000	3,470	0,000	75,790	117,930	28521,220	-28403,290
492+0,00	0,000	2,920	0,000	63,900	117,930	28585,110	-28467,180
493+0,00	0,000	2,930	0,000	58,530	117,930	28643,640	-28525,710
494+0,00	0,000	2,810	0,000	57,360	117,930	28701,010	-28583,080
495+0,00	0,000	3,640	0,000	64,440	117,930	28765,450	-28647,520
496+0,00	0,000	3,300	0,000	69,110	117,930	28834,560	-28716,630
497+0,00	0,000	3,030	0,000	62,960	117,930	28897,520	-28779,590
498+0,00	0,000	3,280	0,000	62,970	117,930	28960,490	-28842,560
499+0,00	0,000	2,950	0,000	62,260	117,930	29022,750	-28904,820
500+0,00	0,000	3,120	0,000	60,720	117,930	29083,470	-28965,540
501+0,00	0,000	2,710	0,000	58,300	117,930	29141,770	-29023,840
502+0,00	0,000	2,700	0,000	54,090	117,930	29195,860	-29077,930

Osvaldo Leôncio da Silva [illegible]
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria [illegible]

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Liquido (m3)
503+0,00	0,000	2,660	0,000	53,550	117,930	29249,410	-29131,480
504+0,00	0,000	2,940	0,000	55,980	117,930	29305,380	-29187,450
505+0,00	0,000	2,380	0,000	53,230	117,930	29358,610	-29240,680
506+0,00	0,000	2,050	0,000	44,270	117,930	29402,890	-29284,960
507+0,00	0,000	3,080	0,000	51,250	117,930	29454,140	-29336,210
508+0,00	0,000	3,110	0,000	61,840	117,930	29515,980	-29398,050
509+0,00	0,000	3,340	0,000	64,410	117,930	29580,380	-29462,450
510+0,00	0,000	3,210	0,000	65,470	117,930	29645,860	-29527,930
511+0,00	0,000	2,940	0,000	61,520	117,930	29707,380	-29589,450
512+0,00	0,000	2,610	0,000	55,500	117,930	29762,880	-29644,950
513+0,00	0,000	2,750	0,000	53,610	117,930	29816,490	-29698,560
514+0,00	0,000	3,020	0,000	57,710	117,930	29874,210	-29756,280
515+0,00	0,000	3,030	0,000	60,510	117,930	29934,710	-29816,780
516+0,00	0,000	2,930	0,000	59,580	117,930	29994,300	-29876,370
517+0,00	0,000	2,960	0,000	58,820	117,930	30053,120	-29935,190
518+0,00	0,000	2,970	0,000	59,220	117,930	30112,340	-29994,410
519+0,00	0,000	1,470	0,000	44,350	117,930	30156,690	-30038,760
520+0,00	0,000	0,520	0,010	19,930	117,940	30176,620	-30058,680
521+0,00	0,000	1,970	0,010	24,940	117,940	30201,560	-30083,620
522+0,00	0,000	3,020	0,000	49,880	117,940	30251,450	-30133,510
523+0,00	0,000	3,250	0,000	62,790	117,940	30314,240	-30196,300
524+0,00	0,000	2,400	0,000	57,000	117,940	30371,240	-30253,300
525+0,00	0,000	3,140	0,000	56,000	117,940	30427,230	-30309,290
526+0,00	0,000	2,570	0,000	57,380	117,940	30484,610	-30366,670
527+0,00	0,000	2,510	0,000	50,930	117,940	30535,550	-30417,610
528+0,00	0,000	2,760	0,000	52,740	117,940	30588,290	-30470,350
529+0,00	0,000	2,790	0,000	55,550	117,940	30643,840	-30525,900
530+0,00	0,000	2,900	0,000	56,930	117,940	30700,770	-30582,830
531+0,00	0,000	2,910	0,000	58,110	117,940	30758,870	-30640,930
532+0,00	0,000	2,090	0,000	49,960	117,940	30808,830	-30690,890
533+0,00	0,000	2,450	0,000	45,300	117,940	30854,130	-30736,190
534+0,00	0,000	2,960	0,000	54,040	117,940	30908,180	-30790,240
535+0,00	0,000	3,230	0,000	61,880	117,940	30970,050	-30852,110
536+0,00	0,000	3,190	0,000	64,160	117,940	31034,210	-30916,270
537+0,00	0,000	2,940	0,000	61,240	117,940	31095,450	-30977,510
538+0,00	0,000	3,070	0,000	60,090	117,940	31155,540	-31037,600
539+0,00	0,000	3,000	0,000	60,690	117,940	31216,230	-31098,290
540+0,00	0,000	2,820	0,000	58,170	117,940	31274,400	-31156,460
541+0,00	0,000	3,250	0,000	60,520	117,940	31334,910	-31216,970
542+0,00	0,000	2,880	0,000	61,120	117,940	31396,040	-31278,100
543+0,00	0,000	2,520	0,000	53,660	117,940	31449,700	-31331,760
544+0,00	0,000	2,580	0,000	50,840	117,940	31500,530	-31382,590
545+0,00	0,000	3,370	0,000	59,510	117,940	31560,050	-31442,110
546+0,00	0,000	3,310	0,000	66,850	117,940	31626,890	-31508,950
547+0,00	0,000	2,580	0,000	58,880	117,940	31685,780	-31567,840
548+0,00	0,000	1,890	0,000	44,540	117,940	31730,320	-31612,380
549+0,00	0,000	2,290	0,000	41,550	117,940	31771,870	-31653,930
550+0,00	0,000	2,980	0,000	52,570	117,940	31824,430	-31706,490
551+0,00	0,000	3,800	0,000	67,760	117,940	31892,200	-31774,260
552+0,00	0,000	3,210	0,000	70,080	117,940	31962,270	-31844,330
553+0,00	0,000	0,000	0,000	32,060	117,940	31994,330	-31876,390
554+0,00	0,000	2,960	0,000	29,620	117,940	32023,950	-31906,010
555+0,00	0,000	3,180	0,000	61,500	117,940	32085,450	-31967,510
556+0,00	0,000	2,640	0,000	58,250	117,940	32143,690	-32025,750
557+0,00	0,000	2,980	0,000	56,210	117,940	32199,910	-32081,970
558+0,00	0,000	2,920	0,000	59,050	117,940	32258,960	-32141,020
559+0,00	0,000	2,970	0,000	58,930	117,940	32317,880	-32199,940
560+0,00	0,000	3,110	0,000	60,860	117,940	32378,750	-32260,810
561+0,00	0,000	3,120	0,000	62,350	117,940	32441,100	-32323,160
562+0,00	0,000	3,160	0,000	62,900	117,940	32504,000	-32386,060
563+0,00	0,000	3,260	0,000	64,320	117,940	32568,320	-32450,380
564+0,00	0,000	3,000	0,000	62,640	117,940	32630,960	-32513,020
565+0,00	0,000	2,900	0,000	59,000	117,940	32689,950	-32572,010
566+0,00	0,000	2,790	0,000	56,940	117,940	32746,900	-32628,960

Osvaldo Leôncio da Silva
Diretor da Unidade de Projetos e Obras - DUPO
Secretaria de

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
567+0,00	0,000	2,850	0,000	56,400	117,940	32803,290	-32685,350
568+0,00	0,000	2,880	0,000	57,330	117,940	32860,620	-32742,680
569+0,00	0,000	2,850	0,000	57,320	117,940	32917,950	-32800,010
570+0,00	0,000	3,330	0,000	61,770	117,940	32979,720	-32861,780
571+0,00	0,000	3,260	0,000	65,870	117,940	33045,580	-32927,640
572+0,00	0,000	3,160	0,000	64,240	117,940	33109,820	-32991,880
573+0,00	0,000	3,070	0,000	62,300	117,940	33172,130	-33054,190
574+0,00	0,000	2,790	0,000	58,590	117,940	33230,720	-33112,780
575+0,00	0,000	2,840	0,000	56,410	117,940	33287,130	-33169,190
576+0,00	0,000	2,790	0,000	56,420	117,940	33343,540	-33225,600
577+0,00	0,000	2,910	0,000	57,110	117,940	33400,650	-33282,710
578+0,00	0,000	3,010	0,000	59,250	117,940	33459,890	-33341,950
579+0,00	0,000	2,930	0,000	59,560	117,940	33519,450	-33401,510
580+0,00	0,000	3,410	0,000	63,460	117,940	33582,910	-33464,970
581+0,00	0,000	2,820	0,000	62,480	117,940	33645,400	-33527,460
582+0,00	0,000	2,100	0,000	49,370	117,940	33694,760	-33576,820
583+0,00	0,000	2,430	0,000	45,320	117,940	33740,080	-33622,140
584+0,00	0,000	3,570	0,000	59,960	117,940	33800,050	-33682,110
585+0,00	0,000	2,380	0,000	59,550	117,940	33859,590	-33741,650
586+0,00	0,000	1,910	0,000	42,910	117,940	33902,500	-33784,560
587+0,00	0,000	2,150	0,000	40,520	117,940	33943,020	-33825,080
588+0,00	0,000	0,830	0,000	29,770	117,940	33972,780	-33854,840
589+0,00	0,000	1,680	0,000	25,060	117,940	33997,850	-33879,910
590+0,00	0,000	2,870	0,000	45,340	117,940	34043,190	-33925,250
591+0,00	0,000	2,780	0,000	56,410	117,940	34099,590	-33981,650
592+0,00	0,000	3,110	0,000	58,900	117,940	34158,490	-34040,550
593+0,00	0,000	2,850	0,000	59,620	117,940	34218,110	-34100,170
594+0,00	0,000	2,990	0,000	58,470	117,940	34276,590	-34158,650
595+0,00	0,000	2,760	0,000	57,600	117,940	34334,190	-34216,250
596+0,00	0,000	2,920	0,000	56,780	117,940	34390,970	-34273,030
597+0,00	0,000	2,810	0,000	57,320	117,940	34448,280	-34330,340
598+0,00	0,000	3,210	0,000	60,310	117,940	34508,590	-34390,650
599+0,00	0,000	3,230	0,000	64,480	117,940	34573,070	-34455,130
600+0,00	0,000	3,130	0,000	63,660	117,940	34636,730	-34518,790
601+0,00	0,000	2,120	0,000	52,510	117,940	34689,240	-34571,300
602+0,00	0,000	3,250	0,000	53,710	117,940	34742,950	-34625,010
603+0,00	0,000	3,080	0,000	63,300	117,940	34806,260	-34688,320
604+0,00	0,000	2,610	0,000	56,900	117,940	34863,160	-34745,220
605+0,00	0,000	1,810	0,000	44,270	117,940	34907,420	-34789,480
606+0,00	0,000	2,400	0,000	42,170	117,940	34949,600	-34831,660
607+0,00	0,000	3,020	0,000	54,230	117,940	35003,830	-34885,890
608+0,00	0,000	3,080	0,000	61,040	117,940	35064,870	-34946,930
609+0,00	0,000	3,220	0,000	63,180	117,940	35128,050	-35010,110
610+0,00	0,000	3,120	0,000	64,040	117,940	35192,080	-35074,140
611+0,00	0,000	0,000	0,000	32,030	117,940	35224,120	-35106,180
612+0,00	0,000	2,770	0,000	28,020	117,940	35252,140	-35134,200
613+0,00	0,000	2,160	0,000	49,480	117,940	35301,620	-35183,680
614+0,00	0,000	3,310	0,000	54,720	117,940	35356,340	-35238,400
615+0,00	0,000	2,570	0,000	58,840	117,940	35415,190	-35297,250
616+0,00	0,000	2,900	0,000	54,800	117,940	35469,990	-35352,050
617+0,00	0,000	2,810	0,000	57,290	117,940	35527,280	-35409,340
618+0,00	0,000	2,930	0,000	57,540	117,940	35584,820	-35466,880
619+0,00	0,000	3,450	0,000	63,810	117,940	35648,630	-35530,690
620+0,00	0,000	3,060	0,000	65,030	117,940	35713,670	-35595,730
621+0,00	0,000	2,870	0,000	59,300	117,940	35772,970	-35655,030
622+0,00	0,000	2,800	0,000	56,780	117,940	35829,740	-35711,800
623+0,00	0,000	3,040	0,000	58,460	117,940	35888,200	-35770,260
624+0,00	0,000	2,840	0,000	58,830	117,940	35947,030	-35829,090
625+0,00	0,000	2,820	0,000	56,540	117,940	36003,570	-35885,630
626+0,00	0,000	2,930	0,000	57,420	117,940	36060,990	-35943,050
627+0,00	0,000	2,930	0,000	58,550	117,940	36119,530	-36001,590
628+0,00	0,000	3,170	0,000	60,920	117,940	36180,460	-36062,520
629+0,00	0,000	2,990	0,000	61,530	117,940	36241,990	-36124,050
630+0,00	0,000	2,980	0,000	59,700	117,940	36301,690	-36183,750

Osvaldo Leônicio da S... Filho
Diretor [illegible] de P... as
Projetos e Obras - DUPAD
Secretaria [illegible]

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
631+0,00	0,000	2,920	0,000	58,910	117,940	36360,590	-36242,650
632+0,00	0,000	2,980	0,000	58,870	117,940	36419,460	-36301,520
633+0,00	0,000	2,990	0,000	59,520	117,940	36478,980	-36361,040
634+0,00	0,000	2,650	0,000	56,280	117,940	36535,260	-36417,320
635+0,00	0,000	2,710	0,000	53,510	117,940	36588,780	-36470,840
636+0,00	0,000	2,630	0,000	53,320	117,940	36642,090	-36524,150
637+0,00	0,000	3,300	0,000	59,280	117,940	36701,370	-36583,430
638+0,00	0,000	3,360	0,000	66,680	117,940	36768,050	-36650,110
639+0,00	0,000	3,320	0,000	66,950	117,940	36835,000	-36717,060
640+0,00	0,000	3,350	0,000	66,870	117,940	36901,870	-36783,930
641+0,00	0,000	3,240	0,000	66,130	117,940	36968,000	-36850,060
642+0,00	0,000	2,930	0,000	61,720	117,940	37029,720	-36911,780
643+0,00	0,000	2,840	0,000	57,690	117,940	37087,410	-36969,470
644+0,00	0,000	2,860	0,000	57,050	117,940	37144,470	-37026,530
645+0,00	0,000	2,950	0,000	58,160	117,940	37202,630	-37084,690
646+0,00	0,000	2,880	0,000	58,340	117,940	37260,970	-37143,030
647+0,00	0,000	3,030	0,000	59,250	117,940	37320,220	-37202,280
648+0,00	0,000	2,940	0,000	59,760	117,940	37379,980	-37262,040
649+0,00	0,000	2,910	0,000	58,560	117,940	37438,530	-37320,590
650+0,00	0,000	2,870	0,000	57,890	117,940	37496,420	-37378,480
651+0,00	0,000	2,900	0,000	57,790	117,940	37554,210	-37436,270
652+0,00	0,000	2,900	0,000	58,110	117,940	37612,320	-37494,380
653+0,00	0,000	3,460	0,000	63,670	117,940	37675,990	-37558,050
654+0,00	0,000	3,660	0,000	71,200	117,940	37747,190	-37629,250
655+0,00	0,000	1,720	0,000	53,810	117,940	37800,990	-37683,050
656+0,00	0,000	3,140	0,000	48,620	117,940	37849,610	-37731,670
657+0,00	0,000	2,740	0,000	58,780	117,940	37908,390	-37790,450
658+0,00	0,000	2,070	0,000	48,140	117,940	37956,530	-37838,590
659+0,00	0,000	2,830	0,000	49,090	117,940	38005,620	-37887,680
660+0,00	0,000	3,030	0,000	58,680	117,940	38064,300	-37946,360
661+0,00	0,000	2,800	0,000	58,330	117,940	38122,630	-38004,690
662+0,00	0,000	2,850	0,000	56,440	117,940	38179,070	-38061,130
663+0,00	0,000	2,740	0,000	55,870	117,940	38234,940	-38117,000
664+0,00	0,000	1,770	0,000	45,120	117,940	38280,060	-38162,120
665+0,00	0,000	1,640	0,000	34,140	117,940	38314,210	-38196,270
666+0,00	0,000	2,870	0,000	45,070	117,940	38359,270	-38241,330
667+0,00	0,000	3,520	0,000	63,840	117,940	38423,110	-38305,170
668+0,00	0,000	3,610	0,000	71,340	117,940	38494,460	-38376,520
669+0,00	0,000	2,470	0,000	60,890	117,940	38555,340	-38437,400
670+0,00	0,000	2,780	0,000	52,120	117,940	38607,460	-38489,520
671+0,00	0,000	3,220	0,000	59,760	117,940	38667,220	-38549,280
672+0,00	0,000	3,100	0,000	63,100	117,940	38730,320	-38612,380
673+0,00	0,000	2,860	0,000	59,600	117,940	38789,930	-38671,990
674+0,00	0,000	2,740	0,000	56,030	117,940	38845,950	-38728,010
675+0,00	0,000	2,800	0,000	55,440	117,940	38901,390	-38783,450
676+0,00	0,000	3,220	0,000	60,240	117,940	38961,630	-38843,690
677+0,00	0,000	3,420	0,000	66,450	117,940	39028,090	-38910,150
678+0,00	0,000	3,220	0,000	66,450	117,940	39094,530	-38976,590
679+0,00	0,000	3,240	0,000	64,620	117,940	39159,160	-39041,220
680+0,00	0,000	3,020	0,000	62,610	117,940	39221,760	-39103,820
681+0,00	0,000	2,910	0,000	59,360	117,940	39281,130	-39163,190
682+0,00	0,000	3,000	0,000	59,090	117,940	39340,220	-39222,280
683+0,00	0,000	3,000	0,000	59,890	117,940	39400,110	-39282,170
684+0,00	0,000	2,970	0,000	59,620	117,940	39459,730	-39341,790
685+0,00	0,000	3,050	0,000	60,150	117,940	39519,880	-39401,940
686+0,00	0,000	2,950	0,000	59,940	117,940	39579,820	-39461,880
687+0,00	0,000	2,920	0,000	58,570	117,940	39638,400	-39520,460
688+0,00	0,000	2,830	0,000	57,420	117,940	39695,810	-39577,870
689+0,00	0,000	2,850	0,000	56,800	117,940	39752,610	-39634,670
690+0,00	0,000	2,820	0,000	56,690	117,940	39809,310	-39691,370
691+0,00	0,000	4,000	0,000	68,170	117,940	39877,470	-39759,530
692+0,00	0,000	2,920	0,000	69,190	117,940	39946,670	-39828,730
693+0,00	0,000	2,960	0,000	58,870	117,940	40005,540	-39887,600
694+0,00	0,000	2,950	0,000	59,120	117,940	40064,660	-39946,720

Osvaldo Leôncio da Silva F
Diretor da Unidade de Programas
Projetos e Obras - DUPRO

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Liquido (m3)
695+0,00	0,000	3,010	0,000	59,580	117,940	40124,240	-40006,300
696+0,00	0,000	3,060	0,000	60,700	117,940	40184,930	-40066,990
697+0,00	0,000	2,880	0,000	59,430	117,940	40244,370	-40126,430
698+0,00	0,000	3,020	0,000	59,060	117,940	40303,430	-40185,490
699+0,00	0,000	3,270	0,000	62,900	117,940	40366,320	-40248,380
700+0,00	0,000	3,290	0,000	65,620	117,940	40431,940	-40314,000
701+0,00	0,000	3,020	0,000	63,150	117,940	40495,090	-40377,150
702+0,00	0,000	2,530	0,000	55,500	117,940	40550,590	-40432,650
703+0,00	0,000	2,240	0,000	47,720	117,940	40598,310	-40480,370
704+0,00	0,000	2,410	0,000	46,520	117,940	40644,820	-40526,880
705+0,00	0,000	2,900	0,000	53,100	117,940	40697,930	-40579,990
706+0,00	0,000	2,790	0,000	56,950	117,940	40754,880	-40636,940
707+0,00	0,000	2,860	0,000	56,510	117,940	40811,390	-40693,450
708+0,00	0,000	3,060	0,000	59,250	117,940	40870,640	-40752,700
709+0,00	0,000	3,040	0,000	61,070	117,940	40931,710	-40813,770
710+0,00	0,000	2,960	0,000	59,980	117,940	40991,690	-40873,750
711+0,00	0,000	2,970	0,000	59,280	117,940	41050,970	-40933,030
712+0,00	0,000	2,620	0,000	55,860	117,940	41106,830	-40988,890
713+0,00	0,000	2,140	0,000	47,640	117,940	41154,470	-41036,530
714+0,00	0,000	2,560	0,000	47,020	117,940	41201,500	-41083,560
715+0,00	0,000	2,600	0,000	51,610	117,940	41253,110	-41135,170
716+0,00	0,000	3,820	0,000	64,330	117,940	41317,450	-41199,510
717+0,00	0,000	3,010	0,000	68,500	117,940	41385,940	-41268,000
718+0,00	0,000	2,460	0,000	54,890	117,940	41440,840	-41322,900
719+0,00	0,000	2,390	0,000	48,780	117,940	41489,620	-41371,680
720+0,00	0,000	2,810	0,000	52,140	117,940	41541,760	-41423,820
721+0,00	0,000	2,800	0,000	56,220	117,940	41597,990	-41480,050
722+0,00	0,000	2,880	0,000	56,920	117,940	41654,900	-41536,960
723+0,00	0,000	2,430	0,000	53,100	117,940	41708,000	-41590,060
724+0,00	0,000	2,380	0,000	48,120	117,940	41756,120	-41638,180
725+0,00	0,000	2,880	0,000	52,630	117,940	41808,750	-41690,810
726+0,00	0,000	2,980	0,000	58,650	117,940	41867,400	-41749,460
727+0,00	0,000	2,980	0,000	59,660	117,940	41927,060	-41809,120
728+0,00	0,000	2,910	0,000	58,970	117,940	41986,030	-41868,090
729+0,00	0,000	2,990	0,000	59,070	117,940	42045,100	-41927,160
730+0,00	0,000	3,030	0,000	60,270	117,940	42105,370	-41987,430
731+0,00	0,000	2,960	0,000	59,930	117,940	42165,300	-42047,360
732+0,00	0,000	3,470	0,000	64,320	117,940	42229,630	-42111,690
733+0,00	0,000	3,140	0,000	66,180	117,940	42295,810	-42177,870
734+0,00	0,000	3,430	0,000	65,710	117,940	42361,520	-42243,580
735+0,00	0,000	2,420	0,000	58,430	117,940	42419,950	-42302,010
736+0,00	0,000	2,550	0,000	49,640	117,940	42469,590	-42351,650
737+0,00	0,000	3,770	0,000	63,210	117,940	42532,800	-42414,860
738+0,00	0,000	3,110	0,000	68,820	117,940	42601,620	-42483,680
739+0,00	0,000	2,890	0,000	60,020	117,940	42661,640	-42543,700
740+0,00	0,000	2,930	0,000	58,230	117,940	42719,870	-42601,930
741+0,00	0,000	3,190	0,000	61,230	117,940	42781,100	-42663,160
742+0,00	0,000	3,040	0,000	62,280	117,940	42843,380	-42725,440
743+0,00	0,000	2,950	0,000	59,890	117,940	42903,270	-42785,330
744+0,00	0,000	2,920	0,000	58,710	117,940	42961,980	-42844,040
745+0,00	0,000	2,950	0,000	58,690	117,940	43020,670	-42902,730
746+0,00	0,000	2,950	0,000	59,030	117,940	43079,710	-42961,770
747+0,00	0,000	2,950	0,000	59,070	117,940	43138,780	-43020,840
748+0,00	0,000	2,780	0,000	57,320	117,940	43196,100	-43078,160
749+0,00	0,000	3,020	0,000	57,980	117,940	43254,080	-43136,140
750+0,00	0,000	3,150	0,000	61,730	117,940	43315,810	-43197,870
751+0,00	0,000	3,030	0,000	61,760	117,940	43377,570	-43259,630
752+0,00	0,000	3,020	0,000	60,420	117,940	43437,990	-43320,050
753+0,00	0,000	2,620	0,000	56,400	117,940	43494,390	-43376,450
754+0,00	0,000	2,150	0,000	47,750	117,940	43542,140	-43424,200
755+0,00	0,000	2,400	0,010	45,550	117,950	43587,690	-43469,740
756+0,00	0,010	2,090	0,100	44,950	118,050	43632,640	-43514,590
757+0,00	0,000	3,280	0,090	53,760	118,140	43686,390	-43568,250
758+0,00	0,000	2,920	0,000	62,040	118,140	43748,430	-43630,290

Osvaldo Leônicio da Silv
Diretor de
Projetos

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
759+0,00	0,110	0,000	1,150	29,190	119,280	43777,630	-43658,350
760+0,00	0,000	0,000	1,150	0,000	120,430	43777,630	-43657,200
761+0,00	0,000	3,580	0,000	35,790	120,430	43813,410	-43692,980
762+0,00	0,000	3,770	0,000	73,440	120,430	43886,850	-43766,420
763+0,00	0,000	4,440	0,000	81,990	120,430	43968,840	-43848,410
764+0,00	0,000	3,680	0,000	81,060	120,430	44049,900	-43929,470
765+0,00	0,000	3,190	0,000	68,590	120,430	44118,490	-43998,060
766+0,00	0,000	2,440	0,000	56,240	120,430	44174,730	-44054,300
767+0,00	0,000	3,040	0,000	54,810	120,430	44229,540	-44109,110
768+0,00	0,000	2,990	0,000	60,300	120,430	44289,840	-44169,410
769+0,00	0,000	2,690	0,000	56,740	120,430	44346,580	-44226,150
770+0,00	0,000	2,940	0,000	56,240	120,430	44402,820	-44282,390
771+0,00	0,000	2,770	0,000	57,030	120,430	44459,850	-44339,420
772+0,00	0,000	2,940	0,000	56,900	120,430	44516,750	-44396,320
773+0,00	0,000	2,960	0,000	58,400	120,430	44575,150	-44454,720
774+0,00	0,000	3,300	0,000	61,730	120,430	44636,880	-44516,450
775+0,00	0,000	3,220	0,000	64,720	120,430	44701,600	-44581,170
776+0,00	0,000	3,130	0,000	63,220	120,430	44764,830	-44644,400
777+0,00	0,000	2,690	0,000	58,560	120,430	44823,390	-44702,960
778+0,00	0,000	2,750	0,000	54,560	120,430	44877,950	-44757,520
779+0,00	0,000	2,760	0,000	55,180	120,430	44933,130	-44812,700
780+0,00	0,000	2,590	0,000	53,520	120,430	44986,650	-44866,220
781+0,00	0,000	2,750	0,000	53,390	120,430	45040,030	-44919,600
782+0,00	0,000	2,530	0,000	52,780	120,430	45092,810	-44972,380
783+0,00	0,000	2,780	0,000	53,140	120,430	45145,950	-45025,520
784+0,00	0,000	2,950	0,000	57,290	120,430	45203,240	-45082,810
785+0,00	0,000	2,560	0,000	55,080	120,430	45258,320	-45137,890
786+0,00	0,000	2,480	0,000	50,440	120,430	45308,760	-45188,330
787+0,00	0,000	2,670	0,000	51,540	120,430	45360,300	-45239,870
788+0,00	0,000	2,800	0,000	54,670	120,430	45414,970	-45294,540
789+0,00	0,000	2,900	0,000	56,940	120,430	45471,920	-45351,490
790+0,00	0,000	2,910	0,000	58,080	120,430	45530,000	-45409,570
791+0,00	0,000	2,910	0,000	58,220	120,430	45588,210	-45467,780
792+0,00	0,000	3,020	0,000	59,250	120,430	45647,470	-45527,040
793+0,00	0,000	2,920	0,000	59,380	120,430	45706,850	-45586,420
794+0,00	0,000	3,140	0,000	60,650	120,430	45767,500	-45647,070
795+0,00	0,000	3,140	0,000	62,810	120,430	45830,310	-45709,880
796+0,00	0,000	2,980	0,000	61,210	120,430	45891,520	-45771,090
797+0,00	0,000	2,800	0,000	57,840	120,430	45949,360	-45828,930
798+0,00	0,000	2,410	0,000	52,120	120,430	46001,480	-45881,050
799+0,00	0,000	2,250	0,000	46,630	120,430	46048,110	-45927,680
800+0,00	0,000	2,530	0,000	47,800	120,430	46095,910	-45975,480
801+0,00	0,000	2,940	0,000	54,730	120,430	46150,640	-46030,210
802+0,00	0,000	2,940	0,000	58,830	120,430	46209,470	-46089,040
803+0,00	0,000	3,050	0,000	60,030	120,430	46269,500	-46149,070
804+0,00	0,000	3,090	0,000	61,560	120,430	46331,070	-46210,640
805+0,00	0,000	2,990	0,000	60,980	120,430	46392,050	-46271,620
806+0,00	0,000	3,110	0,000	61,180	120,430	46453,230	-46332,800
807+0,00	0,000	2,850	0,000	59,720	120,430	46512,950	-46392,520
808+0,00	0,000	3,050	0,000	59,000	120,430	46571,950	-46451,520
809+0,00	0,000	3,050	0,000	60,970	120,430	46632,920	-46512,490
810+0,00	0,000	3,070	0,000	61,190	120,430	46694,120	-46573,690
811+0,00	0,000	3,220	0,000	62,860	120,430	46756,980	-46636,550
812+0,00	0,000	3,280	0,000	64,950	120,430	46821,930	-46701,500
813+0,00	0,000	2,910	0,000	61,900	120,430	46883,830	-46763,400
814+0,00	0,000	2,470	0,000	53,770	120,430	46937,600	-46817,170
815+0,00	0,000	2,440	0,000	49,050	120,430	46986,650	-46866,220
816+0,00	0,000	2,990	0,000	54,280	120,430	47040,930	-46920,500
817+0,00	0,000	3,040	0,000	60,300	120,430	47101,230	-46980,800
818+0,00	0,000	2,730	0,000	57,700	120,430	47158,930	-47038,500
819+0,00	0,000	2,900	0,000	56,120	120,430	47215,050	-47094,610
820+0,00	0,000	2,820	0,000	57,090	120,430	47272,140	-47151,710
821+0,00	0,000	2,800	0,000	56,180	120,430	47328,320	-47207,890
822+0,00	0,000	2,800	0,000	56,000	120,430	47384,320	-47263,890

Osvaldo Leônio da Silva
Diretor da Unidade de Engenharia
Projetos e Obras
Secretaria

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
823+0,00	0,000	2,800	0,000	56,050	120,430	47440,360	-47319,930
824+0,00	0,000	2,900	0,000	57,010	120,430	47497,370	-47376,940
825+0,00	0,000	2,930	0,000	58,310	120,430	47555,680	-47435,250
826+0,00	0,000	2,990	0,000	59,200	120,430	47614,870	-47494,440
827+0,00	0,000	2,990	0,000	59,770	120,430	47674,650	-47554,220
828+0,00	0,000	2,950	0,000	59,360	120,430	47734,010	-47613,580
829+0,00	0,000	2,810	0,000	57,570	120,430	47791,580	-47671,150
830+0,00	0,000	2,960	0,000	57,700	120,430	47849,280	-47728,850
831+0,00	0,000	3,030	0,000	59,890	120,430	47909,170	-47788,740
832+0,00	0,000	2,950	0,000	59,800	120,430	47968,970	-47848,540
833+0,00	0,000	2,460	0,000	54,140	120,430	48023,110	-47902,680
834+0,00	0,000	2,390	0,000	48,580	120,430	48071,690	-47951,260
835+0,00	0,000	2,360	0,000	47,530	120,430	48119,220	-47998,790
836+0,00	0,000	2,840	0,000	52,040	120,430	48171,270	-48050,840
837+0,00	0,000	2,860	0,000	56,990	120,430	48228,260	-48107,830
838+0,00	0,000	3,050	0,000	59,060	120,430	48287,320	-48166,890
839+0,00	0,000	3,120	0,000	61,650	120,430	48348,960	-48228,530
840+0,00	0,000	3,040	0,000	61,550	120,430	48410,520	-48290,090
841+0,00	0,000	3,080	0,000	61,140	120,430	48471,660	-48351,230
842+0,00	0,000	3,090	0,000	61,680	120,430	48533,340	-48412,910
843+0,00	0,000	3,060	0,000	61,470	120,430	48594,810	-48474,380
844+0,00	0,000	2,810	0,000	58,760	120,430	48653,510	-48533,080
845+0,00	0,000	2,940	0,000	57,590	120,430	48711,100	-48590,670
846+0,00	0,000	2,660	0,000	56,010	120,430	48767,110	-48646,680
847+0,00	0,000	3,190	0,000	58,440	120,430	48825,540	-48705,110
848+0,00	0,000	4,350	0,000	75,350	120,430	48900,890	-48780,460
849+0,00	0,000	3,610	0,000	79,600	120,430	48980,500	-48860,070
850+0,00	0,000	2,900	0,000	65,180	120,430	49045,670	-48925,240
851+0,00	0,000	2,810	0,000	57,160	120,430	49102,830	-48982,400
852+0,00	0,000	2,830	0,000	56,390	120,430	49159,230	-49038,800
853+0,00	0,000	2,900	0,000	57,300	120,430	49216,520	-49096,090
854+0,00	0,000	2,780	0,000	56,840	120,430	49273,370	-49152,940
855+0,00	0,000	3,110	0,000	58,920	120,430	49332,290	-49211,860
856+0,00	0,000	2,960	0,000	60,670	120,430	49392,960	-49272,520
857+0,00	0,000	2,930	0,000	58,870	120,430	49451,820	-49331,390
858+0,00	0,000	3,040	0,000	59,540	120,430	49511,360	-49390,930
859+0,00	0,000	2,970	0,000	59,870	120,430	49571,230	-49450,800
860+0,00	0,000	2,860	0,000	58,200	120,430	49629,420	-49508,990
861+0,00	0,000	2,850	0,000	56,930	120,430	49686,350	-49565,930
862+0,00	0,000	2,860	0,000	57,010	120,430	49743,370	-49622,940
863+0,00	0,000	2,790	0,000	56,230	120,430	49799,600	-49679,170
864+0,00	0,000	2,820	0,000	56,030	120,430	49855,630	-49735,200
865+0,00	0,000	2,770	0,000	55,840	120,430	49911,470	-49791,040
866+0,00	0,000	3,000	0,000	57,690	120,430	49969,160	-49848,730
867+0,00	0,000	2,900	0,000	59,050	120,430	50028,210	-49907,780
868+0,00	0,000	2,880	0,000	57,820	120,430	50086,030	-49965,590
869+0,00	0,000	2,940	0,000	58,150	120,430	50144,170	-50023,740
870+0,00	0,000	2,900	0,000	58,350	120,430	50202,530	-50082,100
871+0,00	0,000	2,860	0,000	57,600	120,430	50260,120	-50139,690
872+0,00	0,000	2,630	0,000	54,920	120,430	50315,040	-50194,610
873+0,00	0,000	2,800	0,000	54,350	120,430	50369,390	-50248,960
874+0,00	0,000	2,930	0,000	57,370	120,430	50426,760	-50306,330
875+0,00	0,000	3,000	0,000	59,380	120,430	50486,140	-50365,710
876+0,00	0,000	3,080	0,000	60,800	120,430	50546,950	-50426,520
877+0,00	0,000	3,050	0,000	61,280	120,430	50608,230	-50487,800
878+0,00	0,000	3,080	0,000	61,290	120,430	50669,510	-50549,080
879+0,00	0,000	2,990	0,000	60,740	120,430	50730,250	-50609,820
880+0,00	0,000	2,960	0,000	59,570	120,430	50789,820	-50669,390
881+0,00	0,000	2,960	0,000	59,220	120,430	50849,040	-50728,610
882+0,00	0,000	2,850	0,000	58,090	120,430	50907,120	-50786,690
883+0,00	0,000	2,870	0,000	57,230	120,430	50964,350	-50843,920
884+0,00	0,000	2,700	0,000	55,750	120,430	51020,100	-50899,670
885+0,00	0,000	2,540	0,000	52,450	120,430	51072,550	-50952,130
886+0,00	0,000	2,360	0,000	48,970	120,430	51121,520	-51001,100

Osvaldo Leão da Silva
Diretor de
Projetos
Secretaria

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
887+0,00	0,000	2,480	0,000	48,330	120,430	51169,860	-51049,430
888+0,00	0,000	2,910	0,000	53,890	120,430	51223,750	-51103,320
889+0,00	0,000	3,020	0,000	59,290	120,430	51283,040	-51162,610
890+0,00	0,000	3,040	0,000	60,480	120,430	51343,520	-51223,090
891+0,00	0,000	2,930	0,000	59,600	120,430	51403,120	-51282,690
892+0,00	0,000	2,920	0,000	58,440	120,430	51461,560	-51341,130
893+0,00	0,000	2,790	0,000	57,110	120,430	51518,670	-51398,240
894+0,00	0,000	2,990	0,000	57,830	120,430	51576,500	-51456,070
895+0,00	0,000	3,000	0,000	59,960	120,430	51636,460	-51516,030
896+0,00	0,000	2,380	0,000	53,890	120,430	51690,350	-51569,920
897+0,00	0,000	1,780	0,000	41,640	120,430	51731,990	-51611,550
898+0,00	0,020	0,990	0,150	27,720	120,580	51759,700	-51639,120
899+0,00	0,000	2,330	0,150	33,310	120,730	51793,010	-51672,280
900+0,00	0,000	3,100	0,000	54,230	120,730	51847,240	-51726,510
901+0,00	0,000	2,780	0,000	58,660	120,730	51905,900	-51785,170
902+0,00	0,000	2,280	0,000	50,540	120,730	51956,440	-51835,710
903+0,00	0,000	2,340	0,000	46,120	120,730	52002,560	-51881,830
904+0,00	0,000	3,280	0,000	56,190	120,730	52058,750	-51938,020
905+0,00	0,000	2,830	0,000	61,160	120,730	52119,910	-51999,180
906+0,00	0,000	2,970	0,000	58,100	120,730	52178,010	-52057,280
907+0,00	0,000	2,690	0,000	56,630	120,730	52234,640	-52113,910
908+0,00	0,000	2,650	0,000	53,480	120,730	52288,120	-52167,390
909+0,00	0,000	2,900	0,000	55,530	120,730	52343,640	-52222,910
910+0,00	0,000	3,030	0,000	59,270	120,730	52402,910	-52282,180
911+0,00	0,000	3,020	0,000	60,490	120,730	52463,410	-52342,680
912+0,00	0,000	2,890	0,000	59,090	120,730	52522,500	-52401,770
913+0,00	0,000	2,780	0,000	56,700	120,730	52579,200	-52458,470
914+0,00	0,000	2,920	0,000	57,040	120,730	52636,240	-52515,510
915+0,00	0,000	2,610	0,000	55,310	120,730	52691,540	-52570,810
916+0,00	0,000	2,800	0,000	54,175	120,730	52745,710	-52624,980
917+0,00	0,000	2,850	0,000	56,590	120,730	52802,300	-52681,570
918+0,00	0,000	3,090	0,000	59,470	120,730	52861,770	-52741,040
919+0,00	0,000	3,160	0,000	62,640	120,730	52924,420	-52803,690
920+0,00	0,000	3,020	0,000	62,000	120,730	52986,410	-52865,680
921+0,00	0,000	2,860	0,000	59,020	120,730	53045,430	-52924,700
922+0,00	0,000	2,960	0,000	58,430	120,730	53103,860	-52983,130
923+0,00	0,000	3,040	0,000	60,260	120,730	53164,120	-53043,390
924+0,00	0,000	3,360	0,000	64,090	120,730	53228,200	-53107,470
925+0,00	0,000	3,310	0,000	66,840	120,730	53295,040	-53174,310
926+0,00	0,000	2,940	0,000	62,510	120,730	53357,550	-53236,820
927+0,00	0,000	2,920	0,000	58,570	120,730	53416,120	-53295,390
928+0,00	0,000	2,950	0,000	58,570	120,730	53474,690	-53353,960
929+0,00	0,000	3,110	0,000	60,460	120,730	53535,150	-53414,420
930+0,00	0,000	3,160	0,000	62,660	120,730	53597,810	-53477,080
931+0,00	0,000	3,130	0,000	62,820	120,730	53660,630	-53539,900
932+0,00	0,000	3,100	0,000	62,200	120,730	53722,830	-53602,100
933+0,00	0,000	3,240	0,000	63,320	120,730	53786,150	-53665,420
934+0,00	0,000	3,270	0,000	64,940	120,730	53851,090	-53730,360
935+0,00	0,000	4,070	0,000	73,410	120,730	53924,500	-53803,770
936+0,00	0,000	3,360	0,000	74,300	120,730	53998,810	-53878,080
937+0,00	0,000	3,010	0,000	63,680	120,730	54062,490	-53941,760
938+0,00	0,000	2,970	0,000	59,640	120,730	54122,130	-54001,400
939+0,00	0,000	2,940	0,000	59,030	120,730	54181,160	-54060,430
940+0,00	0,000	3,060	0,000	59,890	120,730	54241,050	-54120,320
941+0,00	0,000	3,190	0,000	62,250	120,730	54303,300	-54182,570
942+0,00	0,000	3,070	0,000	62,390	120,730	54365,690	-54244,930
943+0,00	0,010	3,230	0,140	62,890	120,870	54428,580	-54307,680
944+0,00	0,030	3,010	0,480	62,290	121,350	54490,840	-54369,490
945+0,00	0,140	2,660	1,740	56,890	123,090	54547,730	-54424,640
946+0,00	0,120	3,710	2,340	67,190	125,430	54614,920	-54489,490
947+0,00	0,000	2,450	1,080	64,690	126,500	54679,610	-54553,110
948+0,00	0,010	1,160	0,110	36,300	126,620	54715,910	-54589,290
949+0,00	0,000	3,240	0,120	44,060	126,730	54759,970	-54633,240
950+0,00	0,000	3,560	0,000	68,080	126,730	54828,050	-54701,320

Reinaldo Leôncio da Silva Filho
Diretoria de Gestão de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades (Secid)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
951+0,00	0,000	3,430	0,000	69,930	126,730	54897,990	-54771,260
952+0,00	0,000	3,500	0,000	69,280	126,730	54967,270	-54840,540
953+0,00	0,000	0,000	0,000	34,990	126,730	55002,260	-54875,530
954+0,00	0,000	3,890	0,000	38,950	126,730	55041,210	-54914,480
955+0,00	0,000	4,130	0,000	80,290	126,730	55121,510	-54994,780
956+0,00	0,020	2,330	0,180	64,780	126,920	55186,290	-55059,370
957+0,00	0,130	2,640	1,420	50,230	128,330	55236,520	-55108,190
958+0,00	0,050	3,340	1,670	60,690	130,000	55297,200	-55167,200
959+0,00	0,000	3,340	0,430	68,030	130,430	55365,230	-55234,800
960+0,00	0,000	3,220	0,000	66,200	130,430	55431,430	-55301,000
961+0,00	0,000	2,830	0,000	60,800	130,430	55492,240	-55361,810
962+0,00	0,000	2,620	0,030	54,630	130,460	55546,860	-55416,400
963+0,00	0,000	0,000	0,030	26,230	130,490	55573,090	-55442,600
964+0,00	0,000	3,100	0,000	30,850	130,490	55603,940	-55473,450
965+0,00	0,060	3,530	0,600	65,630	131,090	55669,570	-55538,480
966+0,00	0,010	3,090	0,720	64,670	131,800	55734,250	-55602,450
967+0,00	0,000	3,380	0,100	63,760	131,910	55798,010	-55666,100
968+0,00	0,000	3,020	0,000	63,640	131,910	55861,650	-55729,740
969+0,00	0,000	2,980	0,000	59,930	131,910	55921,580	-55789,670
970+0,00	0,000	3,100	0,000	60,780	131,910	55982,360	-55850,450
971+0,00	0,000	2,430	0,000	55,180	131,910	56037,540	-55905,630
972+0,00	0,000	2,630	0,000	50,550	131,910	56088,090	-55956,180
973+0,00	0,000	2,650	0,000	52,840	131,910	56140,930	-56009,020
974+0,00	0,000	0,000	0,000	26,520	131,910	56167,450	-56035,540
975+0,00	0,000	2,690	0,000	26,940	131,910	56194,380	-56062,470
976+0,00	0,000	2,910	0,000	56,090	131,910	56250,470	-56118,560
977+0,00	0,000	2,460	0,000	53,730	131,910	56304,210	-56172,300
978+0,00	0,000	2,580	0,000	50,380	131,910	56354,590	-56222,680
979+0,00	0,000	2,670	0,000	52,550	131,910	56407,140	-56275,230
980+0,00	0,000	2,800	0,000	54,700	131,910	56461,840	-56329,930
981+0,00	0,000	2,680	0,000	54,720	131,910	56516,570	-56384,660
982+0,00	0,000	2,660	0,000	53,410	131,910	56569,980	-56438,070
983+0,00	0,000	3,010	0,000	56,710	131,910	56626,690	-56494,780
984+0,00	0,000	3,040	0,000	60,460	131,910	56687,150	-56555,240
985+0,00	0,000	2,970	0,000	60,020	131,910	56747,170	-56615,260
986+0,00	0,000	3,410	0,000	63,710	131,910	56810,880	-56678,970
987+0,00	0,000	2,980	0,000	62,860	131,910	56874,740	-56742,830
988+0,00	0,000	2,580	0,000	55,530	131,910	56930,280	-56798,370
989+0,00	0,000	2,590	0,000	51,680	131,910	56981,960	-56850,050
990+0,00	0,000	2,600	0,000	51,920	131,910	57033,880	-56901,970
991+0,00	0,000	3,200	0,000	58,030	131,910	57091,900	-56959,990
992+0,00	0,000	0,000	0,030	32,010	131,940	57123,920	-56991,980
993+0,00	0,000	2,690	0,030	25,890	131,970	57150,810	-57018,840
994+0,00	0,000	2,690	0,000	53,840	131,970	57204,650	-57072,680
995+0,00	0,000	2,960	0,000	56,510	131,970	57261,160	-57129,190
996+0,00	0,000	2,890	0,000	58,480	131,970	57319,640	-57187,670
997+0,00	0,000	2,950	0,000	58,440	131,970	57378,080	-57246,110
998+0,00	0,000	3,030	0,000	59,880	131,970	57437,960	-57305,990
999+0,00	0,000	2,950	0,000	59,870	131,970	57497,830	-57365,860
1000+0,00	0,000	2,780	0,000	57,290	131,970	57555,120	-57423,150
1001+0,00	0,000	3,100	0,000	58,760	131,970	57613,880	-57481,910
1002+0,00	0,000	3,080	0,000	61,770	131,970	57675,650	-57543,680
1003+0,00	0,000	3,310	0,000	63,930	131,970	57739,570	-57607,600
1004+0,00	0,000	2,480	0,000	57,880	131,970	57797,450	-57665,490
1005+0,00	0,000	2,870	0,000	53,470	131,970	57850,930	-57718,960
1006+0,00	0,000	2,530	0,000	54,020	131,970	57904,950	-57772,980
1007+0,00	0,000	2,910	0,000	54,440	131,970	57959,390	-57827,420
1008+0,00	0,000	3,590	0,000	65,060	131,970	58024,450	-57892,480
1009+0,00	0,000	3,530	0,000	71,250	131,970	58095,700	-57963,730
1010+0,00	0,000	3,710	0,000	72,450	131,970	58168,140	-58036,170
1011+0,00	0,000	3,370	0,000	70,830	131,970	58238,970	-58107,000
1012+0,00	0,000	3,110	0,000	64,830	131,970	58303,800	-58171,830
1013+0,00	0,000	2,540	0,000	56,520	131,970	58360,330	-58228,360
1014+0,00	0,000	2,870	0,000	54,070	131,970	58414,390	-58282,420

Osvaldo Leonardo da Silv...
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria de Cidades (Secid)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Liquido (m3)
1015+0,00	0,000	2,910	0,000	57,720	131,970	58472,110	-58340,140
1016+0,00	0,000	3,090	0,000	59,950	131,970	58532,060	-58400,090
1017+0,00	0,000	2,980	0,000	60,730	131,970	58592,800	-58460,830
1018+0,00	0,000	2,900	0,000	58,946	131,970	58651,730	-58519,760
1019+0,00	0,000	3,080	0,000	59,880	131,970	58711,620	-58579,650
1020+0,00	0,000	3,020	0,000	60,910	131,970	58772,520	-58640,550
1021+0,00	0,000	3,240	0,000	62,420	131,970	58834,950	-58702,980
1022+0,00	0,000	2,960	0,000	61,820	131,970	58896,760	-58764,790
1023+0,00	0,000	3,500	0,000	64,590	131,970	58961,350	-58829,380
1024+0,00	0,000	2,980	0,000	64,840	131,970	59026,190	-58894,220
1025+0,00	0,000	2,830	0,000	58,150	131,970	59084,340	-58952,370
1026+0,00	0,000	2,760	0,000	55,900	131,970	59140,240	-59008,270
1027+0,00	0,000	2,740	0,000	54,920	131,970	59195,160	-59063,190
1028+0,00	0,000	2,700	0,000	54,370	131,970	59249,530	-59117,560
1029+0,00	0,000	3,090	0,000	57,780	131,970	59307,310	-59175,340
1030+0,00	0,000	3,010	0,000	60,900	131,970	59368,220	-59236,250
1031+0,00	0,000	2,940	0,000	59,460	131,970	59427,680	-59295,710
1032+0,00	0,000	2,990	0,000	59,340	131,970	59487,020	-59355,050
1033+0,00	0,000	3,140	0,000	61,300	131,970	59548,320	-59416,350
1034+0,00	0,000	3,110	0,000	62,520	131,970	59610,840	-59478,870
1035+0,00	0,000	2,910	0,000	60,210	131,970	59671,050	-59539,080
1036+0,00	0,000	2,900	0,000	58,050	131,970	59729,100	-59597,130
1037+0,00	0,000	2,990	0,000	58,890	131,970	59787,990	-59656,020
1038+0,00	0,000	3,120	0,000	61,100	131,970	59849,090	-59717,120
1039+0,00	0,000	3,110	0,000	62,250	131,970	59911,340	-59779,360
1040+0,00	0,000	3,030	0,000	61,430	131,970	59972,770	-59840,800
1041+0,00	0,000	2,930	0,000	59,690	131,970	60032,460	-59900,490
1042+0,00	0,000	3,000	0,000	59,410	131,970	60091,870	-59959,900
1043+0,00	0,000	3,020	0,000	60,290	131,970	60152,160	-60020,190
1044+0,00	0,000	2,730	0,000	57,480	131,970	60209,630	-60077,660
1045+0,00	0,000	2,870	0,000	55,990	131,970	60265,620	-60133,650
1046+0,00	0,000	2,930	0,000	57,990	131,970	60323,620	-60191,650
1047+0,00	0,000	3,150	0,000	60,790	131,970	60384,400	-60252,430
1048+0,00	0,000	3,000	0,000	61,430	131,970	60445,830	-60313,860
1049+0,00	0,000	2,800	0,000	57,930	131,970	60503,760	-60371,790
1050+0,00	0,000	3,010	0,000	58,080	131,970	60561,840	-60429,870
1051+0,00	0,000	3,180	0,000	61,900	131,970	60623,740	-60491,770
1052+0,00	0,000	3,050	0,000	62,240	131,970	60685,980	-60554,020
1053+0,00	0,000	3,040	0,000	60,850	131,970	60746,830	-60614,870
1054+0,00	0,000	3,250	0,000	62,880	131,970	60809,720	-60677,750
1055+0,00	0,000	3,070	0,000	63,130	131,970	60872,840	-60740,870
1056+0,00	0,000	2,920	0,000	59,870	131,970	60932,710	-60800,740
1057+0,00	0,000	3,100	0,000	60,200	131,970	60992,910	-60860,940
1058+0,00	0,000	3,010	0,000	61,030	131,970	61053,940	-60921,970
1059+0,00	0,000	3,020	0,000	60,300	131,970	61114,240	-60982,270
1060+0,00	0,000	2,950	0,000	59,750	131,970	61173,990	-61042,020
1061+0,00	0,000	2,670	0,000	56,200	131,970	61230,190	-61098,220
1062+0,00	0,000	2,990	0,000	56,560	131,970	61286,750	-61154,780
1063+0,00	0,000	3,070	0,000	60,570	131,970	61347,320	-61215,350
1064+0,00	0,000	2,990	0,000	60,570	131,970	61407,890	-61275,920
1065+0,00	0,000	2,870	0,000	58,560	131,970	61466,450	-61334,480
1066+0,00	0,000	2,970	0,000	58,310	131,970	61524,760	-61392,780
1067+0,00	0,000	2,990	0,000	59,220	131,970	61583,970	-61452,000
1068+0,00	0,000	3,590	0,000	65,650	131,970	61649,620	-61517,660
1069+0,00	0,000	3,900	0,000	74,780	131,970	61724,400	-61592,430
1070+0,00	0,000	3,150	0,000	70,420	131,970	61794,820	-61662,850
1071+0,00	0,000	3,000	0,000	61,570	131,970	61856,390	-61724,430
1072+0,00	0,000	3,180	0,000	61,940	131,970	61918,340	-61786,370
1073+0,00	0,000	3,120	0,000	63,210	131,970	61981,550	-61849,580
1074+0,00	0,000	3,040	0,000	61,660	131,970	62043,210	-61911,240
1075+0,00	0,000	3,180	0,000	62,370	131,970	62105,580	-61973,610
1076+0,00	0,000	2,930	0,000	61,190	131,970	62166,770	-62034,800
1077+0,00	0,000	2,920	0,000	58,520	131,970	62225,290	-62093,320
1078+0,00	0,000	2,790	0,000	57,100	131,970	62282,390	-62150,410

Osvaldo Leoncio da Silva Filho
Diretor da Unidade de Projetos
Projetos e Obras
Secretaria

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1079+0,00	0,000	2,730	0,000	55,220	131,970	62337,600	-62205,630
1080+0,00	0,000	2,770	0,000	55,040	131,970	62392,640	-62260,670
1081+0,00	0,000	2,380	0,000	51,580	131,970	62444,220	-62312,250
1082+0,00	0,000	2,330	0,000	47,170	131,970	62491,380	-62359,410
1083+0,00	0,000	3,130	0,000	54,600	131,970	62545,980	-62414,010
1084+0,00	0,000	3,050	0,000	61,820	131,970	62607,800	-62475,830
1085+0,00	0,000	3,120	0,000	61,750	131,970	62669,550	-62537,580
1086+0,00	0,000	3,050	0,000	61,680	131,970	62731,230	-62599,260
1087+0,00	0,000	2,880	0,000	59,350	131,970	62790,580	-62658,610
1088+0,00	0,000	2,830	0,000	57,130	131,970	62847,710	-62715,740
1089+0,00	0,000	2,860	0,000	56,830	131,970	62904,540	-62772,570
1090+0,00	0,000	2,930	0,000	57,860	131,970	62962,400	-62830,430
1091+0,00	0,000	2,830	0,000	57,620	131,970	63020,020	-62888,050
1092+0,00	0,000	2,820	0,000	56,530	131,970	63076,550	-62944,580
1093+0,00	0,000	3,010	0,000	58,330	131,970	63134,890	-63002,910
1094+0,00	0,000	3,040	0,000	60,550	131,970	63195,430	-63063,460
1095+0,00	0,000	3,300	0,000	63,460	131,970	63258,630	-63126,920
1096+0,00	0,000	3,270	0,000	65,700	131,970	63324,580	-63192,610
1097+0,00	0,000	3,220	0,000	64,850	131,970	63389,430	-63257,460
1098+0,00	0,000	2,970	0,000	61,850	131,970	63451,280	-63319,310
1099+0,00	0,000	2,580	0,000	55,520	131,970	63506,800	-63374,830
1100+0,00	0,000	2,760	0,000	53,480	131,970	63560,280	-63428,310
1101+0,00	0,000	2,920	0,000	56,830	131,970	63617,110	-63485,140
1102+0,00	0,000	3,390	0,000	63,140	131,970	63680,240	-63548,270
1103+0,00	0,000	3,330	0,000	67,220	131,970	63747,460	-63615,490
1104+0,00	0,000	3,240	0,000	65,770	131,970	63813,230	-63681,260
1105+0,00	0,000	3,220	0,000	64,650	131,970	63877,880	-63745,910
1106+0,00	0,000	3,350	0,000	65,750	131,970	63943,630	-63811,660
1107+0,00	0,000	3,250	0,000	66,110	131,970	64009,740	-63877,770
1108+0,00	0,000	2,400	0,000	56,650	131,970	64066,390	-63934,420
1109+0,00	0,000	0,000	0,000	24,070	131,970	64090,460	-63958,490
1110+0,00	0,000	2,780	0,000	27,830	131,970	64118,290	-63986,320
1111+0,00	0,000	2,990	0,000	57,750	131,970	64176,050	-64044,080
1112+0,00	0,000	2,690	0,000	56,790	131,970	64232,840	-64100,870
1113+0,00	0,000	2,780	0,000	54,810	131,970	64287,650	-64155,680
1114+0,00	0,000	2,160	0,000	49,490	131,970	64337,140	-64205,170
1115+0,00	0,000	2,950	0,000	51,270	131,970	64388,410	-64256,440
1116+0,00	0,000	3,190	0,000	61,490	131,970	64449,900	-64317,930
1117+0,00	0,000	3,280	0,000	64,730	131,970	64514,630	-64382,660
1118+0,00	0,000	2,870	0,000	61,530	131,970	64576,160	-64444,190
1119+0,00	0,000	2,380	0,000	52,450	131,970	64628,610	-64496,640
1120+0,00	0,000	2,810	0,000	51,890	131,970	64680,500	-64548,530
1121+0,00	0,000	3,580	0,000	63,950	131,970	64744,450	-64612,480
1122+0,00	0,000	4,220	0,000	78,030	131,970	64822,480	-64690,510
1123+0,00	0,000	2,620	0,000	68,410	131,970	64890,890	-64758,920
1124+0,00	0,000	2,030	0,000	46,380	131,970	64937,270	-64805,300
1125+0,00	0,000	2,430	0,000	44,480	131,970	64981,740	-64849,770
1126+0,00	0,000	4,180	0,000	67,360	131,970	65049,110	-64917,140
1127+0,00	0,070	2,060	0,580	66,010	132,540	65115,120	-64982,580
1128+0,00	0,070	1,980	1,450	39,590	133,990	65154,710	-65020,720
1129+0,00	0,000	2,460	0,700	44,070	134,690	65198,770	-65064,080
1130+0,00	0,000	3,480	0,000	60,390	134,690	65259,160	-65124,460
1131+0,00	0,000	2,700	0,000	62,190	134,690	65321,340	-65186,650
1132+0,00	0,000	3,150	0,000	57,630	134,690	65378,970	-65244,280
1133+0,00	0,000	3,210	0,000	62,400	134,690	65441,420	-65306,730
1134+0,00	0,070	2,680	0,710	58,300	135,400	65499,790	-65364,380
1135+0,00	0,010	3,180	0,860	57,150	136,260	65556,930	-65420,670
1136+0,00	0,000	0,000	0,130	31,550	136,390	65588,480	-65452,090
1137+0,00	0,000	3,600	0,000	36,030	136,400	65624,500	-65488,100
1138+0,00	0,150	3,020	1,310	69,270	137,710	65693,770	-65556,060
1139+0,00	0,170	3,250	3,110	64,130	140,840	65757,900	-65617,060
1140+0,00	0,010	3,360	1,790	66,080	142,630	65823,980	-65681,350
1141+0,00	0,000	3,510	0,050	68,700	142,680	65892,750	-65750,070
1142+0,00	0,010	2,600	0,100	67,220	142,790	65959,970	-65817,180

Osvaldo Leôncio da Silva
Diretor da Unidade de Projetos
Projetos e Obras - EMDEC
Secretaria

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1143+0,00	0,000	2,950	0,100	55,580	142,890	66009,520	-65866,630
1144+0,00	0,000	3,180	0,000	61,450	142,890	66070,970	-65928,080
1145+0,00	0,000	3,540	0,000	67,220	142,890	66138,190	-65995,290
1146+0,00	0,000	2,340	0,000	58,660	142,890	66196,850	-66053,960
1147+0,00	0,000	1,490	0,000	38,270	142,890	66235,120	-66092,230
1148+0,00	0,000	2,230	0,000	37,210	142,890	66272,330	-66129,440
1149+0,00	0,000	2,300	0,000	45,260	142,890	66317,590	-66174,700
1150+0,00	0,000	3,370	0,000	56,560	142,890	66374,150	-66231,260
1151+0,00	0,000	0,000	0,000	33,610	142,890	66407,760	-66264,870
1152+0,00	0,000	3,710	0,000	37,090	142,890	66444,850	-66301,960
1153+0,00	0,000	3,850	0,000	75,660	142,890	66520,510	-66377,620
1154+0,00	0,000	3,020	0,010	68,900	142,900	66589,410	-66446,510
1155+0,00	0,000	2,970	0,010	60,230	142,910	66649,640	-66506,730
1156+0,00	0,000	2,920	0,040	59,240	142,950	66708,880	-66565,930
1157+0,00	0,000	2,790	0,040	57,270	142,990	66766,150	-66623,160
1158+0,00	0,000	2,830	0,000	56,340	142,990	66822,490	-66679,500
1159+0,00	0,000	2,410	0,000	52,680	142,990	66875,170	-66732,180
1160+0,00	0,000	2,890	0,000	53,250	142,990	66928,430	-66785,440
1161+0,00	0,000	2,770	0,000	56,680	142,990	66985,110	-66842,120
1162+0,00	0,000	3,100	0,000	58,290	142,990	67043,400	-66900,410
1163+0,00	0,000	3,530	0,000	66,890	142,990	67110,290	-66967,290
1164+0,00	0,020	2,830	0,170	64,260	143,160	67174,540	-67031,380
1165+0,00	0,000	3,320	0,170	62,280	143,330	67236,820	-67093,490
1166+0,00	0,000	3,010	0,000	61,350	143,330	67301,160	-67157,830
1167+0,00	0,000	3,220	0,000	63,070	143,330	67364,230	-67220,900
1168+0,00	0,000	2,710	0,000	59,880	143,330	67424,110	-67280,780
1169+0,00	0,000	2,980	0,000	57,370	143,330	67481,480	-67338,150
1170+0,00	0,000	2,960	0,000	59,460	143,330	67540,930	-67397,600
1171+0,00	0,000	2,710	0,000	56,470	143,330	67597,400	-67454,070
1172+0,00	0,000	2,710	0,000	53,800	143,330	67651,200	-67507,870
1173+0,00	0,000	2,670	0,000	54,390	143,330	67705,589	-67562,259
1174+0,00	0,000	2,860	0,000	55,720	143,330	67761,400	-67618,070
1175+0,00	0,000	2,910	0,000	57,920	143,330	67819,320	-67675,990
1176+0,00	0,000	2,810	0,000	57,340	143,330	67876,660	-67733,330
1177+0,00	0,000	3,000	0,000	58,320	143,330	67934,980	-67791,650
1178+0,00	0,000	2,900	0,000	59,020	143,330	67994,000	-67850,670
1179+0,00	0,000	2,840	0,000	57,430	143,330	68051,430	-67908,100
1180+0,00	0,000	2,810	0,000	56,580	143,330	68108,010	-67964,680
1181+0,00	0,000	2,760	0,000	55,660	143,330	68163,670	-68020,340
1182+0,00	0,000	2,780	0,000	55,320	143,330	68218,990	-68075,670
1183+0,00	0,000	2,640	0,000	54,070	143,330	68273,060	-68129,730
1184+0,00	0,000	2,900	0,000	55,320	143,330	68328,380	-68185,060
1185+0,00	0,000	2,980	0,000	58,820	143,330	68387,210	-68243,880
1186+0,00	0,000	2,930	0,000	59,190	143,330	68446,390	-68303,060
1187+0,00	0,000	2,900	0,000	58,340	143,330	68504,730	-68361,400
1188+0,00	0,000	3,300	0,000	62,080	143,330	68566,810	-68423,480
1189+0,00	0,000	2,380	0,000	56,870	143,330	68623,670	-68480,340
1190+0,00	0,000	3,160	0,000	55,200	143,330	68678,870	-68535,540
1191+0,00	0,000	1,910	0,000	50,550	143,330	68729,420	-68586,090
1192+0,00	0,000	2,700	0,000	46,090	143,330	68775,510	-68632,180
1193+0,00	0,000	3,120	0,000	58,200	143,330	68833,710	-68690,380
1194+0,00	0,000	3,520	0,000	66,360	143,330	68900,070	-68756,740
1195+0,00	0,000	0,000	0,000	35,190	143,330	68935,270	-68791,940
1196+0,00	0,000	2,970	0,000	29,730	143,330	68965,020	-68821,700
1197+0,00	0,000	3,200	0,000	61,680	143,330	69026,720	-68883,390
1198+0,00	0,000	2,680	0,000	58,800	143,330	69085,520	-68942,190
1199+0,00	0,000	3,010	0,000	56,880	143,330	69142,400	-68999,070
1200+0,00	0,000	3,260	0,000	62,600	143,330	69205,000	-69061,760
1201+0,00	0,000	3,130	0,000	63,980	143,330	69268,980	-69125,730
1202+0,00	0,000	2,850	0,000	59,870	143,330	69328,850	-69185,690
1203+0,00	0,000	2,640	0,000	54,920	143,330	69383,800	-69240,530
1204+0,00	0,000	0,000	0,000	26,200	143,330	69410,250	-69266,920
1205+0,00	0,000	2,840	0,010	28,450	143,340	69438,690	-69295,350
1206+0,00	0,000	2,950	0,010	57,940	143,350	69496,630	-69353,280

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DPPO
Secretaria de Cidades (Secid)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1207+0,00	0,000	2,830	0,000	57,690	143,350	69554,320	-69410,970
1208+0,00	0,000	2,840	0,000	56,470	143,350	69610,780	-69467,430
1209+0,00	0,000	2,750	0,000	55,820	143,350	69666,600	-69523,250
1210+0,00	0,000	2,960	0,000	57,100	143,350	69723,700	-69580,350
1211+0,00	0,000	2,860	0,000	58,310	143,350	69782,010	-69638,660
1212+0,00	0,000	2,890	0,000	57,730	143,350	69839,740	-69696,390
1213+0,00	0,000	2,780	0,000	56,920	143,350	69896,660	-69753,310
1214+0,00	0,000	2,940	0,000	57,260	143,350	69953,920	-69810,570
1215+0,00	0,000	3,100	0,000	60,410	143,350	70014,330	-69870,980
1216+0,00	0,000	3,120	0,000	62,190	143,350	70076,520	-69933,170
1217+0,00	0,000	3,010	0,000	61,340	143,350	70137,860	-69994,510
1218+0,00	0,000	2,970	0,000	59,850	143,350	70197,720	-70054,370
1219+0,00	0,000	2,930	0,000	59,010	143,350	70256,730	-70113,380
1220+0,00	0,000	2,960	0,000	58,860	143,350	70315,590	-70172,180
1221+0,00	0,000	2,920	0,000	58,650	143,350	70374,180	-70230,830
1222+0,00	0,000	2,960	0,000	58,590	143,350	70432,770	-70289,420
1223+0,00	0,000	2,890	0,000	58,140	143,350	70490,900	-70347,550
1224+0,00	0,000	2,770	0,000	56,410	143,350	70547,310	-70403,960
1225+0,00	0,000	2,880	0,000	56,440	143,350	70603,750	-70460,400
1226+0,00	0,000	2,860	0,000	57,480	143,350	70661,230	-70517,880
1227+0,00	0,000	2,970	0,000	58,440	143,350	70719,670	-70576,320
1228+0,00	0,000	3,070	0,000	60,440	143,350	70780,110	-70636,760
1229+0,00	0,000	3,010	0,000	60,850	143,350	70840,960	-70697,610
1230+0,00	0,000	3,000	0,000	60,080	143,350	70901,040	-70757,690
1231+0,00	0,000	2,780	0,000	57,780	143,350	70958,810	-70815,460
1232+0,00	0,000	2,420	0,000	52,050	143,350	71010,860	-70867,510
1233+0,00	0,000	2,810	0,000	52,340	143,350	71063,200	-70919,850
1234+0,00	0,000	2,890	0,000	56,970	143,350	71120,170	-70976,820
1235+0,00	0,000	2,970	0,000	58,560	143,350	71178,730	-71035,380
1236+0,00	0,000	2,950	0,000	59,290	143,350	71238,020	-71094,660
1237+0,00	0,000	3,010	0,000	59,660	143,350	71297,670	-71154,320
1238+0,00	0,000	3,020	0,000	60,350	143,350	71358,020	-71214,670
1239+0,00	0,000	3,110	0,000	61,330	143,350	71419,350	-71276,000
1240+0,00	0,000	3,900	0,000	70,100	143,350	71489,450	-71346,100
1241+0,00	0,000	3,240	0,000	71,430	143,350	71560,880	-71417,540
1242+0,00	0,000	2,140	0,000	53,670	143,350	71614,550	-71471,200
1243+0,00	0,000	2,900	0,000	50,140	143,350	71664,700	-71521,350
1244+0,00	0,000	3,200	0,000	60,820	143,350	71725,520	-71582,170
1245+0,00	0,000	2,990	0,000	61,590	143,350	71787,110	-71643,760
1246+0,00	0,000	2,810	0,000	57,700	143,350	71844,810	-71701,460
1247+0,00	0,000	2,910	0,000	57,050	143,350	71901,860	-71758,510
1248+0,00	0,000	2,940	0,000	58,550	143,350	71960,510	-71817,160
1249+0,00	0,000	2,850	0,000	58,270	143,350	72018,780	-71875,420
1250+0,00	0,000	2,990	0,000	58,700	143,350	72077,470	-71934,120
1251+0,00	0,000	3,020	0,000	60,100	143,350	72137,580	-71994,230
1252+0,00	0,000	3,150	0,000	61,650	143,350	72199,230	-72055,880
1253+0,00	0,000	3,060	0,000	62,190	143,350	72261,430	-72117,980
1254+0,00	0,000	2,650	0,000	57,290	143,350	72318,720	-72175,170
1255+0,00	0,000	2,670	0,000	53,200	143,350	72371,910	-72228,460
1256+0,00	0,000	2,960	0,000	56,290	143,350	72428,100	-72284,750
1257+0,00	0,000	3,010	0,000	59,580	143,350	72487,680	-72344,330
1258+0,00	0,000	2,870	0,000	58,720	143,350	72546,390	-72403,040
1259+0,00	0,000	2,910	0,000	57,770	143,350	72604,160	-72460,810
1260+0,00	0,000	2,990	0,000	58,910	143,350	72663,070	-72519,720
1261+0,00	0,000	3,130	0,000	61,110	143,350	72724,180	-72580,840
1262+0,00	0,000	3,080	0,000	62,010	143,350	72786,200	-72642,850
1263+0,00	0,000	3,130	0,000	62,080	143,350	72848,280	-72704,930
1264+0,00	0,000	2,930	0,000	60,490	143,350	72908,770	-72765,420
1265+0,00	0,000	2,910	0,000	58,340	143,350	72967,030	-72823,680
1266+0,00	0,000	2,920	0,000	58,240	143,350	73025,270	-72881,920
1267+0,00	0,000	3,040	0,000	59,550	143,350	73084,820	-72941,470
1268+0,00	0,000	3,260	0,000	62,970	143,350	73147,790	-73004,440
1269+0,00	0,000	3,310	0,000	65,710	143,350	73213,500	-73070,150
1270+0,00	0,000	2,850	0,000	61,600	143,350	73275,100	-73131,750

Osvaldo Leoncio da Silva Filho
Diretor de Unidade de Programas
Projetos e Obras - DUPPO
Secretaria de Obras (Sucis)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1271+0,00	0,000	2,470	0,000	50,190	143,350	73328,270	-73184,920
1272+0,00	0,000	2,540	0,000	50,090	143,350	73378,350	-73235,000
1273+0,00	0,000	2,880	0,000	54,270	143,350	73432,620	-73289,270
1274+0,00	0,000	2,590	0,000	54,740	143,350	73487,370	-73344,020
1275+0,00	0,000	2,760	0,000	53,540	143,350	73540,910	-73397,560
1276+0,00	0,000	3,050	0,000	58,130	143,350	73599,040	-73455,690
1277+0,00	0,000	3,170	0,000	62,210	143,350	73661,240	-73517,890
1278+0,00	0,000	2,960	0,000	61,320	143,350	73722,560	-73579,210
1279+0,00	0,000	3,140	0,000	61,000	143,350	73783,560	-73640,210
1280+0,00	0,000	3,000	0,000	61,440	143,350	73845,000	-73701,650
1281+0,00	0,000	2,910	0,000	59,110	143,350	73904,110	-73760,760
1282+0,00	0,000	2,840	0,000	57,480	143,350	73961,590	-73818,230
1283+0,00	0,000	2,890	0,000	57,320	143,350	74018,900	-73875,550
1284+0,00	0,000	2,960	0,000	58,470	143,350	74077,370	-73934,020
1285+0,00	0,000	2,940	0,000	58,990	143,350	74136,360	-73993,010
1286+0,00	0,000	2,850	0,000	57,920	143,350	74194,280	-74050,930
1287+0,00	0,000	2,810	0,000	56,550	143,350	74250,830	-74107,480
1288+0,00	0,000	2,860	0,000	56,700	143,350	74307,530	-74164,180
1289+0,00	0,000	3,240	0,000	61,010	143,350	74368,540	-74225,190
1290+0,00	0,000	2,930	0,000	61,740	143,350	74430,280	-74286,930
1291+0,00	0,000	2,940	0,000	58,740	143,350	74489,020	-74345,670
1292+0,00	0,000	2,990	0,000	59,290	143,350	74548,300	-74404,950
1293+0,00	0,000	2,690	0,000	56,800	143,350	74605,110	-74461,760
1294+0,00	0,000	3,160	0,000	58,470	143,350	74663,580	-74520,230
1295+0,00	0,000	3,150	0,000	63,100	143,350	74726,680	-74583,330
1296+0,00	0,000	3,230	0,000	63,840	143,350	74790,520	-74647,170
1297+0,00	0,000	2,990	0,000	62,200	143,350	74852,720	-74709,370
1298+0,00	0,000	2,730	0,000	57,220	143,350	74909,940	-74766,590
1299+0,00	0,000	2,720	0,000	54,560	143,350	74964,500	-74821,150
1300+0,00	0,000	2,170	0,000	48,900	143,350	75013,450	-74870,100
1301+0,00	0,000	1,550	0,000	37,290	143,350	75050,740	-74907,390
1302+0,00	0,000	1,460	0,000	30,120	143,350	75080,850	-74937,500
1303+0,00	0,000	2,530	0,000	39,910	143,350	75120,760	-74977,410
1304+0,00	0,000	4,010	0,000	65,480	143,350	75186,240	-75042,890
1305+0,00	0,000	4,330	0,000	83,480	143,350	75269,720	-75126,370
1306+0,00	0,000	3,460	0,000	77,950	143,350	75347,670	-75204,320
1307+0,00	0,000	3,160	0,000	66,200	143,350	75413,870	-75270,520
1308+0,00	0,000	2,650	0,000	58,120	143,350	75471,990	-75328,640
1309+0,00	0,000	2,780	0,000	54,340	143,350	75526,330	-75382,980
1310+0,00	0,000	2,860	0,000	56,360	143,350	75582,690	-75439,340
1311+0,00	0,000	2,890	0,000	57,270	143,350	75639,960	-75496,610
1312+0,00	0,000	2,770	0,000	56,350	143,350	75696,310	-75552,960
1313+0,00	0,000	2,860	0,000	56,260	143,350	75752,570	-75609,210
1314+0,00	0,000	3,070	0,000	59,340	143,350	75811,910	-75668,560
1315+0,00	0,000	3,110	0,000	61,800	143,350	75873,710	-75730,360
1316+0,00	0,000	3,120	0,000	62,550	143,350	75936,260	-75792,910
1317+0,00	0,000	3,020	0,000	61,540	143,350	75997,800	-75854,450
1318+0,00	0,000	2,920	0,000	59,460	143,350	76057,260	-75913,910
1319+0,00	0,000	3,130	0,000	60,510	143,350	76117,770	-75974,420
1320+0,00	0,000	2,760	0,000	58,970	143,350	76176,740	-76033,390
1321+0,00	0,000	2,880	0,000	56,460	143,350	76233,200	-76089,850
1322+0,00	0,000	2,820	0,000	56,980	143,350	76290,180	-76146,830
1323+0,00	0,000	2,720	0,000	55,400	143,350	76345,580	-76202,230
1324+0,00	0,000	2,860	0,000	55,770	143,350	76401,350	-76257,980
1325+0,00	0,000	2,880	0,000	57,410	143,350	76458,760	-76315,410
1326+0,00	0,000	2,840	0,000	57,270	143,350	76516,030	-76372,680
1327+0,00	0,000	2,920	0,000	57,600	143,350	76573,630	-76430,280
1328+0,00	0,000	2,950	0,000	58,670	143,350	76632,300	-76488,950
1329+0,00	0,000	2,990	0,000	59,390	143,350	76691,690	-76548,340
1330+0,00	0,000	3,020	0,000	60,130	143,350	76751,820	-76608,470
1331+0,00	0,000	2,950	0,000	59,760	143,350	76811,580	-76668,230
1332+0,00	0,000	2,880	0,000	58,320	143,350	76869,900	-76726,550
1333+0,00	0,000	2,720	0,000	56,000	143,350	76925,900	-76782,550
1334+0,00	0,000	2,960	0,000	56,810	143,350	76982,690	-76839,340

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades (Secid)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1335+0,00	0,000	2,980	0,000	59,360	143,350	77042,030	-76898,680
1336+0,00	0,000	2,990	0,000	59,670	143,350	77101,700	-76958,350
1337+0,00	0,000	2,960	0,000	59,470	143,350	77161,170	-77017,820
1338+0,00	0,000	3,020	0,000	59,730	143,350	77220,900	-77077,550
1339+0,00	0,000	3,180	0,000	61,910	143,350	77282,810	-77139,460
1340+0,00	0,000	3,150	0,000	63,290	143,350	77346,100	-77202,750
1341+0,00	0,000	3,560	0,000	67,170	143,350	77413,270	-77269,920
1342+0,00	0,000	3,390	0,000	69,560	143,350	77482,830	-77339,480
1343+0,00	0,000	2,960	0,000	63,460	143,350	77546,290	-77402,940
1344+0,00	0,000	3,000	0,000	59,550	143,350	77605,840	-77462,490
1345+0,00	0,000	3,050	0,000	60,510	143,350	77666,350	-77523,000
1346+0,00	0,000	3,150	0,000	61,990	143,350	77728,340	-77584,990
1347+0,00	0,000	3,160	0,000	63,030	143,350	77791,370	-77648,020
1348+0,00	0,000	2,960	0,000	61,190	143,350	77852,560	-77709,200
1349+0,00	0,000	3,090	0,000	60,490	143,350	77913,040	-77769,690
1350+0,00	0,000	3,100	0,000	61,890	143,350	77974,940	-77831,590
1351+0,00	0,000	2,960	0,000	60,570	143,350	78035,510	-77892,160
1352+0,00	0,000	2,940	0,000	59,010	143,350	78094,510	-77951,160
1353+0,00	0,000	3,070	0,000	60,070	143,350	78154,590	-78011,240
1354+0,00	0,000	3,190	0,000	62,620	143,350	78217,110	-78073,760
1355+0,00	0,000	3,360	0,000	65,430	143,350	78282,530	-78139,180
1356+0,00	0,000	3,180	0,000	65,460	143,350	78347,990	-78204,640
1357+0,00	0,000	3,410	0,000	65,960	143,350	78413,950	-78270,600
1358+0,00	0,000	2,990	0,000	64,020	143,350	78477,970	-78334,620
1359+0,00	0,000	2,800	0,000	57,960	143,350	78535,930	-78392,580
1360+0,00	0,000	2,000	0,000	48,040	143,350	78583,970	-78440,620
1361+0,00	0,000	2,600	0,000	46,000	143,350	78629,980	-78486,630
1362+0,00	0,000	3,140	0,000	57,400	143,350	78687,380	-78544,030
1363+0,00	0,000	3,290	0,000	64,400	143,350	78751,780	-78608,430
1364+0,00	0,000	3,060	0,000	63,720	143,350	78815,500	-78672,150
1365+0,00	0,000	3,010	0,000	60,570	143,350	78876,080	-78732,730
1366+0,00	0,000	3,070	0,000	60,900	143,350	78936,980	-78793,630
1367+0,00	0,000	2,890	0,000	59,850	143,350	78996,830	-78853,480
1368+0,00	0,000	2,960	0,000	59,040	143,350	79055,870	-78912,520
1369+0,00	0,000	2,920	0,000	59,460	143,350	79115,330	-78971,980
1370+0,00	0,000	2,890	0,000	58,370	143,350	79173,700	-79030,350
1371+0,00	0,000	3,080	0,000	59,870	143,350	79233,570	-79090,220
1372+0,00	0,000	3,080	0,000	61,600	143,350	79294,950	-79151,610
1373+0,00	0,000	2,840	0,000	58,980	143,350	79353,940	-79210,590
1374+0,00	0,000	3,410	0,000	62,550	143,350	79416,480	-79273,130
1375+0,00	0,000	3,530	0,000	69,230	143,350	79485,770	-79342,420
1376+0,00	0,000	2,860	0,000	63,690	143,350	79549,460	-79406,110
1377+0,00	0,000	3,120	0,000	59,320	143,350	79608,780	-79465,430
1378+0,00	0,000	3,320	0,000	63,980	143,350	79672,760	-79529,410
1379+0,00	0,000	3,130	0,000	64,000	143,350	79736,770	-79593,420
1380+0,00	0,000	3,450	0,000	65,440	143,350	79802,200	-79658,850
1381+0,00	0,000	3,340	0,000	67,770	143,350	79869,970	-79726,620
1382+0,00	0,000	2,950	0,000	62,820	143,350	79932,790	-79789,440
1383+0,00	0,000	2,670	0,000	56,220	143,350	79989,010	-79845,670
1384+0,00	0,000	3,720	0,000	64,040	143,350	80053,050	-79909,710
1385+0,00	0,000	2,470	0,000	62,000	143,350	80115,060	-79971,710
1386+0,00	0,000	2,990	0,000	54,640	143,350	80169,700	-80026,350
1387+0,00	0,000	2,440	0,000	54,290	143,350	80223,990	-80080,640
1388+0,00	0,000	3,130	0,000	55,700	143,350	80279,690	-80136,350
1389+0,00	0,000	2,800	0,000	59,310	143,350	80339,000	-80195,650
1390+0,00	0,000	2,720	0,000	55,170	143,350	80394,170	-80250,820
1391+0,00	0,000	2,530	0,000	52,500	143,350	80446,680	-80303,330
1392+0,00	0,000	2,280	0,000	48,150	143,350	80494,820	-80351,470
1393+0,00	0,000	2,880	0,000	51,700	143,350	80546,530	-80403,180
1394+0,00	0,000	2,570	0,000	54,630	143,350	80601,160	-80457,810
1395+0,00	0,000	2,810	0,000	53,860	143,350	80655,020	-80511,670
1396+0,00	0,000	2,790	0,000	55,870	143,350	80710,890	-80567,540
1397+0,00	0,000	2,910	0,000	57,010	143,350	80767,900	-80624,550
1398+0,00	0,000	2,900	0,000	58,200	143,350	80826,100	-80682,750

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1399+0,00	0,000	3,050	0,000	59,500	143,350	80885,660	-80742,310
1400+0,00	0,000	3,240	0,000	63,000	143,350	80948,660	-80805,310
1401+0,00	0,000	3,530	0,000	67,840	143,350	81016,500	-80873,150
1402+0,00	0,000	3,170	0,000	67,130	143,350	81083,640	-80940,290
1403+0,00	0,000	2,930	0,000	61,060	143,350	81144,700	-81001,350
1404+0,00	0,000	3,010	0,000	59,400	143,350	81204,100	-81060,750
1405+0,00	0,000	2,820	0,000	58,300	143,350	81262,400	-81119,050
1406+0,00	0,000	2,110	0,000	49,290	143,350	81311,690	-81168,340
1407+0,00	0,000	2,560	0,000	46,740	143,350	81358,430	-81215,080
1408+0,00	0,000	2,910	0,000	54,680	143,350	81413,110	-81269,760
1409+0,00	0,000	3,310	0,000	62,110	143,350	81475,220	-81331,870
1410+0,00	0,000	4,070	0,000	73,760	143,350	81548,980	-81405,630
1411+0,00	0,000	4,500	0,000	85,720	143,350	81634,700	-81491,350
1412+0,00	0,000	4,110	0,000	86,070	143,350	81720,770	-81577,420
1413+0,00	0,000	3,670	0,000	77,730	143,350	81798,500	-81655,150
1414+0,00	0,000	2,980	0,000	66,470	143,350	81864,970	-81721,620
1415+0,00	0,000	3,450	0,000	64,330	143,350	81929,300	-81785,950
1416+0,00	0,000	2,950	0,000	63,980	143,350	81993,280	-81849,930
1417+0,00	0,000	3,110	0,000	60,540	143,350	82053,820	-81910,470
1418+0,00	0,000	2,830	0,000	59,350	143,350	82113,160	-81969,810
1419+0,00	0,000	2,910	0,000	57,360	143,350	82170,520	-82027,170
1420+0,00	0,000	2,900	0,000	58,070	143,350	82228,590	-82085,240
1421+0,00	0,000	2,980	0,000	58,730	143,350	82287,320	-82143,970
1422+0,00	0,000	3,120	0,000	60,920	143,350	82348,240	-82204,890
1423+0,00	0,000	3,070	0,000	61,770	143,350	82410,010	-82266,660
1424+0,00	0,000	2,920	0,000	59,840	143,350	82469,850	-82326,500
1425+0,00	0,000	2,860	0,000	57,780	143,350	82527,640	-82384,290
1426+0,00	0,000	2,820	0,000	56,800	143,350	82584,530	-82441,180
1427+0,00	0,000	2,710	0,000	55,310	143,350	82639,840	-82496,490
1428+0,00	0,000	2,760	0,000	54,660	143,350	82694,500	-82551,150
1429+0,00	0,000	2,770	0,000	55,310	143,350	82749,810	-82606,460
1430+0,00	0,000	2,440	0,000	52,100	143,350	82801,910	-82658,560
1431+0,00	0,000	3,130	0,000	55,680	143,350	82857,590	-82714,240
1432+0,00	0,000	2,570	0,000	57,010	143,350	82914,600	-82771,250
1433+0,00	0,000	2,830	0,000	53,950	143,350	82968,550	-82825,200
1434+0,00	0,000	2,560	0,000	53,890	143,350	83022,440	-82879,090
1435+0,00	0,000	2,910	0,000	54,620	143,350	83076,060	-82932,710
1436+0,00	0,000	3,040	0,000	59,490	143,350	83135,550	-82992,200
1437+0,00	0,000	3,460	0,000	64,990	143,350	83200,540	-83057,190
1438+0,00	0,000	3,060	0,000	65,170	143,350	83265,710	-83122,360
1439+0,00	0,000	2,710	0,000	57,720	143,350	83323,430	-83180,080
1440+0,00	0,000	2,370	0,000	50,820	143,350	83374,250	-83230,900
1441+0,00	0,000	3,440	0,000	58,110	143,350	83432,360	-83289,010
1442+0,00	0,000	3,760	0,000	71,970	143,350	83504,330	-83360,980
1443+0,00	0,000	2,870	0,000	66,250	143,350	83570,580	-83427,230
1444+0,00	0,000	3,030	0,000	59,000	143,350	83629,580	-83486,230
1445+0,00	0,000	3,280	0,000	63,100	143,350	83692,680	-83549,330
1446+0,00	0,000	2,490	0,000	57,700	143,350	83750,380	-83607,030
1447+0,00	0,000	2,390	0,000	48,800	143,350	83799,180	-83655,830
1448+0,00	0,000	3,000	0,000	53,900	143,350	83853,080	-83709,730
1449+0,00	0,000	3,150	0,000	60,500	143,350	83913,580	-83770,230
1450+0,00	0,000	2,970	0,000	61,200	143,350	83974,780	-83831,430
1451+0,00	0,000	3,040	0,000	60,100	143,350	84034,880	-83891,530
1452+0,00	0,000	2,820	0,000	58,600	143,350	84093,480	-83950,130
1453+0,00	0,000	3,070	0,000	58,900	143,350	84152,380	-84009,030
1454+0,00	0,000	2,440	0,000	55,100	143,350	84207,480	-84064,130
1455+0,00	0,000	3,190	0,000	56,300	143,350	84263,780	-84120,430
1456+0,00	0,000	1,630	0,000	48,200	143,350	84311,980	-84168,630
1457+0,00	0,000	2,410	0,000	40,400	143,350	84352,380	-84209,030
1458+0,00	0,000	2,950	0,000	53,600	143,350	84405,980	-84262,630
1459+0,00	0,000	2,980	0,000	59,300	143,350	84465,280	-84321,930
1460+0,00	0,000	2,900	0,000	58,800	143,350	84524,080	-84380,730
1461+0,00	0,000	3,040	0,000	59,400	143,350	84583,480	-84440,130
1462+0,00	0,000	3,110	0,000	61,500	143,350	84644,980	-84501,630

Osvaldo Leôncio da Silva Neto
Diretor de Unidade de Projetos
Projetos e Obras - DERSA
Secretaria [illegible]

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1463+0,00	0,000	2,720	0,000	58,200	143,350	84704,970	-84561,620
1464+0,00	0,000	2,460	0,000	51,870	143,350	84756,840	-84613,490
1465+0,00	0,000	2,510	0,000	49,700	143,350	84806,540	-84663,190
1466+0,00	0,000	2,840	0,000	53,440	143,350	84859,980	-84716,630
1467+0,00	0,000	2,960	0,000	57,940	143,350	84917,920	-84774,570
1468+0,00	0,000	2,900	0,000	58,570	143,350	84976,490	-84833,140
1469+0,00	0,000	2,820	0,000	57,170	143,350	85033,660	-84890,310
1470+0,00	0,000	2,890	0,000	57,060	143,350	85090,720	-84947,370
1471+0,00	0,000	3,000	0,000	58,960	143,350	85149,680	-85006,330
1472+0,00	0,000	2,980	0,000	59,810	143,350	85209,490	-85066,130
1473+0,00	0,000	2,930	0,000	59,130	143,350	85268,610	-85125,260
1474+0,00	0,000	3,020	0,000	59,550	143,350	85328,160	-85184,810
1475+0,00	0,000	3,130	0,000	61,480	143,350	85389,650	-85246,300
1476+0,00	0,000	3,120	0,000	62,510	143,350	85452,160	-85308,810
1477+0,00	0,000	2,930	0,000	60,550	143,350	85512,680	-85369,340
1478+0,00	0,000	2,940	0,000	58,720	143,350	85571,410	-85428,060
1479+0,00	0,000	2,900	0,000	58,380	143,350	85629,790	-85486,440
1480+0,00	0,000	2,900	0,000	57,930	143,350	85687,720	-85544,370
1481+0,00	0,000	2,920	0,000	58,140	143,350	85745,860	-85602,510
1482+0,00	0,000	2,680	0,000	55,950	143,350	85801,810	-85658,460
1483+0,00	0,000	2,920	0,000	56,030	143,350	85857,840	-85714,490
1484+0,00	0,000	2,900	0,000	58,250	143,350	85916,090	-85772,740
1485+0,00	0,000	2,890	0,000	57,880	143,350	85973,970	-85830,620
1486+0,00	0,000	2,850	0,000	57,710	143,350	86031,680	-85888,330
1487+0,00	0,000	2,750	0,000	56,250	143,350	86087,930	-85944,580
1488+0,00	0,000	2,900	0,000	56,450	143,350	86144,380	-86001,030
1489+0,00	0,000	2,940	0,000	58,380	143,350	86202,760	-86059,410
1490+0,00	0,000	2,940	0,000	58,670	143,350	86261,430	-86118,080
1491+0,00	0,000	2,600	0,000	55,450	143,350	86316,880	-86173,530
1492+0,00	0,480	0,100	4,850	27,250	148,200	86344,130	-86195,930
1492+0,00	0,480	0,100	0,000	0,000	148,200	86344,130	-86195,930

Osvaldo Leão da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades (Socid)

14.5 TRECHO V

Rua Acésio do Rêgo Monteiro, nº 1515
Ed. Antonio Portela Barbosa
Bairro Ininga • CEP: 64052-860
Teresina • Piauí • Brasil

www.pi.gov.br
cidades@cidades.pi.gov.br

Nota de Serviço Tabela

TRECHO 5: POÇO DO ANGICO 0+0.000 382+0.000

Lado Esquerdo						Eixo				Lado Direito					
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-4.313	340.059	66.67	-4.000	339.850	-2.00	0+0.000	339.930	339.930	0.000	4.000	339.850	-2.00	4.027	339.810	-150.00
-4.119	340.431	-150.00	-4.000	340.610	-2.00	1+0.000	340.690	340.326	0.363	4.000	340.610	-2.00	4.262	340.216	-150.00
-4.134	340.761	-150.00	-4.000	340.962	-2.00	2+0.000	341.042	340.639	0.403	4.000	340.962	-2.00	4.300	340.512	-150.00
-4.131	340.981	-150.00	-4.000	341.177	-2.00	3+0.000	341.257	340.861	0.396	4.000	341.177	-2.00	4.297	340.732	-150.00
-4.129	341.120	-150.00	-4.000	341.313	-2.00	4+0.000	341.393	340.995	0.398	4.000	341.313	-2.00	4.299	340.864	-150.00
-4.134	341.122	-150.00	-4.000	341.323	-2.00	5+0.000	341.403	341.004	0.399	4.000	341.323	-2.00	4.293	340.884	-150.00
-4.190	341.007	-150.00	-4.000	341.292	-2.00	6+0.000	341.372	340.931	0.441	4.000	341.292	-2.00	4.293	340.853	-150.00
-4.206	341.007	-150.00	-4.000	341.316	-2.00	7+0.000	341.396	340.908	0.488	4.000	341.316	-2.00	4.340	340.807	-150.00
-4.136	341.135	-150.00	-4.000	341.340	-2.00	8+0.000	341.420	341.027	0.393	4.000	341.340	-2.00	4.278	340.922	-150.00
-4.130	341.394	-150.00	-4.000	341.589	-2.00	9+0.000	341.669	341.272	0.397	4.000	341.589	-2.00	4.299	341.141	-150.00
-4.113	341.814	-150.00	-4.000	341.984	-2.00	10+0.000	342.064	341.652	0.412	4.000	341.984	-2.00	4.335	341.481	-150.00
-4.124	342.220	-150.00	-4.000	342.406	-2.00	11+0.000	342.486	342.058	0.429	4.000	342.406	-2.00	4.346	341.887	-150.00
-4.063	342.177	-150.00	-4.000	342.272	-2.00	12+0.000	342.352	341.995	0.356	4.000	342.272	-2.00	4.313	341.802	-150.00
-4.068	341.984	-150.00	-4.000	342.086	-2.00	13+0.000	342.166	341.792	0.375	4.000	342.086	-2.00	4.333	341.587	-150.00
-4.078	341.523	-150.00	-4.000	341.640	-2.00	14+0.000	341.720	341.344	0.376	4.000	341.640	-2.00	4.324	341.154	-150.00
-4.088	340.966	-150.00	-4.000	341.098	-2.00	15+0.000	341.178	340.806	0.373	4.000	341.098	-2.00	4.309	340.634	-150.00
-4.096	340.363	-150.00	-4.000	340.506	-2.00	16+0.000	340.586	340.221	0.365	4.000	340.506	-2.00	4.285	340.078	-150.00
-4.091	339.858	-150.00	-4.000	339.995	-2.00	17+0.000	340.075	339.718	0.357	4.000	339.995	-2.00	4.285	339.568	-150.00
-4.106	339.437	-150.00	-4.000	339.597	-2.00	18+0.000	339.677	339.309	0.368	4.000	339.597	-2.00	4.282	339.174	-150.00
-4.125	339.094	-150.00	-4.000	339.282	-2.00	19+0.000	339.362	338.977	0.385	4.000	339.282	-2.00	4.280	338.862	-150.00
-4.133	338.967	-150.00	-4.000	339.166	-2.00	20+0.000	339.246	338.863	0.384	4.000	339.166	-2.00	4.274	338.755	-150.00
-4.176	338.949	-150.00	-4.000	339.213	-2.00	21+0.000	339.293	338.859	0.434	4.000	339.213	-2.00	4.296	338.769	-150.00
-4.242	339.137	-150.00	-4.000	339.500	-2.00	22+0.000	339.580	339.028	0.552	4.000	339.500	-2.00	4.378	338.933	-150.00
-4.236	339.432	-150.00	-4.000	339.786	-2.00	23+0.000	339.866	339.326	0.540	4.000	339.786	-2.00	4.372	339.227	-150.00
-4.268	339.671	-150.00	-4.000	340.072	-2.00	24+0.000	340.152	339.598	0.554	4.000	340.072	-2.00	4.366	339.524	-150.00
-4.268	339.957	-150.00	-4.000	340.359	-2.00	25+0.000	340.439	339.920	0.519	4.000	340.359	-2.00	4.337	339.854	-150.00
-4.263	340.251	-150.00	-4.000	340.645	-2.00	26+0.000	340.725	340.210	0.515	4.000	340.645	-2.00	4.314	340.174	-150.00
-4.282	340.509	-150.00	-4.000	340.932	-2.00	27+0.000	341.012	340.517	0.495	4.000	340.932	-2.00	4.261	340.541	-150.00
-4.221	340.916	-150.00	-4.000	341.248	-2.00	28+0.000	341.328	340.923	0.404	4.000	341.248	-2.00	4.192	340.960	-150.00
-4.242	341.363	-150.00	-4.000	341.727	-2.00	29+0.000	341.807	341.383	0.424	4.000	341.727	-2.00	4.226	341.387	-150.00
-4.239	341.756	-150.00	-4.000	342.115	-2.00	30+0.000	342.195	341.776	0.420	4.000	342.115	-2.00	4.214	341.795	-150.00
-4.208	341.786	-150.00	-4.000	342.099	-2.00	31+0.000	342.179	341.775	0.404	4.000	342.099	-2.00	4.226	341.760	-150.00
-4.207	341.504	-150.00	-4.000	341.814	-2.00	32+0.000	341.894	341.466	0.428	4.000	341.814	-2.00	4.237	341.459	-150.00
-4.173	341.239	-150.00	-4.000	341.498	-2.00	33+0.000	341.578	341.201	0.377	4.000	341.498	-2.00	4.224	341.162	-150.00
-4.179	340.794	-150.00	-4.000	341.063	-2.00	34+0.000	341.143	340.726	0.417	4.000	341.063	-2.00	4.250	340.688	-150.00
-4.156	340.394	-150.00	-4.000	340.628	-2.00	35+0.000	340.708	340.325	0.382	4.000	340.628	-2.00	4.248	340.256	-150.00
-4.131	340.004	-150.00	-4.000	340.200	-2.00	36+0.000	340.280	339.902	0.378	4.000	340.200	-2.00	4.268	339.799	-150.00
-4.157	339.645	-150.00	-4.000	339.881	-2.00	37+0.000	339.961	339.586	0.375	4.000	339.881	-2.00	4.233	339.532	-150.00
-4.163	339.345	-150.00	-4.000	339.589	-2.00	38+0.000	339.669	339.302	0.367	4.000	339.589	-2.00	4.229	339.245	-150.00
-4.168	339.058	-150.00	-4.000	339.310	-2.00	39+0.000	339.390	339.015	0.374	4.000	339.310	-2.00	4.225	338.972	-150.00
-4.149	338.886	-150.00	-4.000	339.110	-2.00	40+0.000	339.190	338.885	0.305	4.000	339.110	-2.00	4.185	338.833	-150.00
-4.194	338.625	-150.00	-4.000	338.916	-2.00	41+0.000	338.996	338.634	0.362	4.000	338.916	-2.00	4.182	338.643	-150.00
-4.212	338.403	-150.00	-4.000	338.721	-2.00	42+0.000	338.801	338.428	0.373	4.000	338.721	-2.00	4.177	338.456	-150.00
-4.272	338.229	-150.00	-4.000	338.638	-2.00	43+0.000	338.718	338.334	0.384	4.000	338.638	-2.00	4.108	338.475	-150.00
-4.293	338.287	-150.00	-4.000	338.726	-2.00	44+0.000	338.806	338.413	0.393	4.000	338.726	-2.00	4.122	338.543	-150.00
-4.324	338.573	-150.00	-4.000	339.059	-2.00	45+0.000	339.139	338.743	0.396	4.000	339.059	-2.00	4.124	338.873	-150.00
-4.319	338.928	-150.00	-4.000	339.407	-2.00	46+0.000	339.487	339.087	0.400	4.000	339.407	-2.00	4.112	339.238	-150.00
-4.313	339.269	-150.00	-4.000	339.738	-2.00	47+0.000	339.818	339.419	0.399	4.000	339.738	-2.00	4.117	339.562	-150.00
-4.336	339.532	-150.00	-4.000	340.036	-2.00	48+0.000	340.116	339.685	0.431	4.000	340.036	-2.00	4.137	339.830	-150.00
-4.280	339.498	-150.00	-4.000	339.917	-2.00	49+0.000	339.997	339.672	0.326	4.000	339.917	-2.00	4.072	339.810	-150.00
-4.325	338.682	-150.00	-4.000	339.170	-2.00	50+0.000	339.250	338.855	0.394	4.000	339.170	-2.00	4.099	339.021	-150.00
-4.273	337.851	-150.00	-4.000	338.261	-2.00	51+0.000	338.341	337.978	0.363	4.000	338.261	-2.00	4.131	338.065	-150.00
-4.237	336.818	-150.00	-4.000	337.173	-2.00	52+0.000	337.253	336.907	0.346	4.000	337.173	-2.00	4.120	336.993	-150.00
-4.226	335.857	-150.00	-4.000	336.195	-2.00	53+0.000	336.275	335.925	0.350	4.000	336.195	-2.00	4.131	335.998	-150.00
-4.206	335.106	-150.00	-4.000	335.415	-2.00	54+0.000	335.495	335.125	0.370	4.000	335.415	-2.00	4.181	335.144	-150.00
-4.208	334.886	-150.00	-4.000	335.198	-2.00	55+0.000	335.278	334.909	0.368	4.000	335.198	-2.00	4.180	334.928	-150.00
-4.218	334.859	-150.00	-4.000	335.187	-2.00	56+0.000	335.267	334.867	0.400	4.000	335.187	-2.00	4.166	334.938	-150.00
-4.257	334.961	-150.00	-4.000	335.347	-2.00	57+0.000	335.427	335.016	0.411	4.000	335.347	-2.00	4.169	335.093	-150.00
-4.270	335.277	-150.00	-4.000	335.683	-2.00	58+0.000	335.763	335.365	0.398	4.000	335.683	-2.00	4.155	335.450	-150.00
-4.226	335.747	-150.00	-4.000	336.086	-2.00	59+0.000	336.166	335.774	0.392	4.000	336.086	-2.00	4.181	335.815	-150.00
-4.268	336.348	-150.00	-4.000	336.751	-2.00	60+0.000	336.831	336.419	0.412	4.000	336.751	-2.00	4.175	336.488	-150.00
-4.236	336.471	-150.00	-4.000	336.824	-2.00	61+0.000	336.904	336.508	0.396	4.000	336.824	-2.00	4.184	336.548	-150.00
-4.233	336.639	-150.00	-4.000	336.989	-2.00	62+0.000	337.069	336.679	0.390	4.000	336.989	-2.00	4.191	336.702	-150.00
-4.270	336.757	-150.00	-4.000	337.161	-2.00	63+0.000	337.241	336.783	0.459	4.000	337.161	-2.00	4.235	336.808	-150.00
-4.237	336.980	-150.00	-4.000	337.335	-2.00	64+0.000	337.415	337.003	0.412	4.000	337.335	-2.00	4.220	337.005	-150.00
-4.236	337.057	-150.00	-4.000	337.411	-2.00	65+0.000	337.491	337.112	0.380	4.000	337.411	-2.00	4.164	337.165	-150.00
-4.224	337.320	-150.00	-4.000	337.656	-2.00	66+0.000	337.736	337.355	0.381	4.000	337.656	-2.00	4.203	337.351	-150.00
-4.217	337.545	-150.00	-4.000	337.870	-2.00	67+0.000	337.950	337.572	0.378	4.000	337.870	-2.00	4.205	337.562	-150.00
-4.240	337.693	-150.00	-4.000	338.053	-2.00	68+0.000	338.133	337.732	0.402	4.000	338.053	-2.00	4.198	337.757	-150.00
-4.230	337.779	-150.00	-4.000	338.124	-2.00	69+0.000	338.204	337.804	0.399	4.000	338.124	-2.00	4.196	337.830	-150.00
-4.231	337.735	-150.00	-4.000	338.081	-2.00	70+0.000	338.161	337.777	0.385	4.000	338.081	-2.00	4.176	337.817	-150.00
-4.238	337.569	-150.00	-4.000	337.926	-2.00	71+0.000	338.006	337.606	0.400	4.000	337.926	-2.00	4.189	337.643	-150.00
-4.246	337.289	-150.00	-4.000	337.658	-2.00	72+0.000	337.738	337.361	0.377	4.000	337.658	-2.00	4.151	337.432	-150.00

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades

-4.207	336.975	-150.00	-4.000	337.284	-2.00	73+0.000	337.364	337.019	0.346	4.000	337.284	-2.00	4.148	337.062	-150.00
-4.190	336.602	-150.00	-4.000	336.887	-2.00	74+0.000	336.967	336.632	0.335	4.000	336.887	-2.00	4.150	336.662	-150.00
-4.202	336.187	-150.00	-4.000	336.489	-2.00	75+0.000	336.569	336.200	0.369	4.000	336.489	-2.00	4.183	336.214	-150.00
-4.189	335.807	-150.00	-4.000	336.092	-2.00	76+0.000	336.172	335.813	0.359	4.000	336.092	-2.00	4.181	335.820	-150.00
-4.176	335.360	-150.00	-4.000	335.624	-2.00	77+0.000	335.704	335.317	0.387	4.000	335.624	-2.00	4.234	335.273	-150.00
-4.166	334.904	-150.00	-4.000	335.153	-2.00	78+0.000	335.233	334.828	0.405	4.000	335.153	-2.00	4.257	334.768	-150.00
-4.139	334.636	-150.00	-4.000	334.845	-2.00	79+0.000	334.925	334.556	0.368	4.000	334.845	-2.00	4.255	334.462	-150.00
-4.122	334.459	-150.00	-4.000	334.642	-2.00	80+0.000	334.722	334.343	0.378	4.000	334.642	-2.00	4.279	334.223	-150.00
-4.140	334.519	-150.00	-4.000	334.730	-2.00	81+0.000	334.810	334.410	0.400	4.000	334.730	-2.00	4.289	334.296	-150.00
-4.136	334.683	-150.00	-4.000	334.887	-2.00	82+0.000	334.967	334.583	0.384	4.000	334.887	-2.00	4.279	334.468	-150.00
-4.112	334.917	-150.00	-4.000	335.085	-2.00	83+0.000	335.165	334.801	0.364	4.000	335.085	-2.00	4.269	334.682	-150.00
-4.178	335.032	-150.00	-4.000	335.300	-2.00	84+0.000	335.380	334.920	0.459	4.000	335.300	-2.00	4.312	334.832	-150.00
-4.189	335.519	-150.00	-4.000	335.802	-2.00	85+0.000	335.882	335.503	0.379	4.000	335.802	-2.00	4.248	335.430	-150.00
-4.140	335.530	-150.00	-4.000	335.740	-2.00	86+0.000	335.820	335.440	0.380	4.000	335.740	-2.00	4.281	335.319	-150.00
-4.184	335.340	-150.00	-4.000	335.617	-2.00	87+0.000	335.697	335.276	0.421	4.000	335.617	-2.00	4.271	335.210	-150.00
-4.226	335.086	-150.00	-4.000	335.425	-2.00	88+0.000	335.505	335.040	0.465	4.000	335.425	-2.00	4.288	334.993	-150.00
-4.193	334.943	-150.00	-4.000	335.233	-2.00	89+0.000	335.313	334.900	0.413	4.000	335.233	-2.00	4.251	334.856	-150.00
-4.151	334.750	-150.00	-4.000	334.978	-2.00	90+0.000	335.058	334.687	0.370	4.000	334.978	-2.00	4.270	334.573	-150.00
-4.129	334.038	-150.00	-4.000	334.230	-2.00	91+0.000	334.310	333.952	0.359	4.000	334.230	-2.00	4.237	333.876	-150.00
-4.179	333.522	-150.00	-4.000	333.790	-2.00	92+0.000	333.870	333.507	0.364	4.000	333.790	-2.00	4.200	333.491	-150.00
-4.205	332.991	-150.00	-4.000	333.298	-2.00	93+0.000	333.378	332.993	0.385	4.000	333.298	-2.00	4.208	332.986	-150.00
-4.275	332.431	-150.00	-4.000	332.844	-2.00	94+0.000	332.924	332.552	0.372	4.000	332.844	-2.00	4.117	332.669	-150.00
-4.245	331.894	-150.00	-4.000	332.261	-2.00	95+0.000	332.341	331.969	0.372	4.000	332.261	-2.00	4.145	332.043	-150.00
-4.243	331.462	-150.00	-4.000	331.827	-2.00	96+0.000	331.907	331.514	0.393	4.000	331.827	-2.00	4.176	331.563	-150.00
-4.222	330.815	-150.00	-4.000	331.149	-2.00	97+0.000	331.229	330.870	0.359	4.000	331.149	-2.00	4.179	330.880	-150.00
-4.234	329.916	-150.00	-4.000	330.267	-2.00	98+0.000	330.347	329.978	0.369	4.000	330.267	-2.00	4.152	330.040	-150.00
-4.284	328.772	-150.00	-4.000	329.199	-2.00	99+0.000	329.279	328.933	0.346	4.000	329.199	-2.00	4.075	329.087	-150.00
-4.302	327.869	-150.00	-4.000	328.322	-2.00	100+0.000	328.402	328.066	0.335	4.000	328.322	-2.00	4.047	328.251	-150.00
-4.351	326.871	-150.00	-4.000	327.397	-2.00	101+0.000	327.477	327.075	0.403	4.000	327.397	-2.00	4.088	327.266	-150.00
-4.369	325.905	-150.00	-4.000	326.458	-2.00	102+0.000	326.538	326.136	0.402	4.000	326.458	-2.00	4.071	326.352	-150.00
-4.323	325.016	-150.00	-4.000	325.501	-2.00	103+0.000	325.581	325.224	0.356	4.000	325.501	-2.00	4.057	325.416	-150.00
-4.305	323.913	-150.00	-4.000	324.370	-2.00	104+0.000	324.450	324.123	0.327	4.000	324.370	-2.00	4.058	324.283	-150.00
-4.283	322.146	-150.00	-4.000	322.570	-2.00	105+0.000	322.650	322.325	0.325	4.000	322.570	-2.00	4.050	322.494	-150.00
-4.255	320.129	-150.00	-4.000	320.511	-2.00	106+0.000	320.591	320.293	0.298	4.000	320.511	-2.00	4.035	320.458	-150.00
-4.231	318.088	-150.00	-4.000	318.435	-2.00	107+0.000	318.515	318.202	0.313	4.000	318.435	-2.00	4.082	318.312	-150.00
-4.206	315.887	-150.00	-4.000	316.197	-2.00	108+0.000	316.277	315.965	0.312	4.000	316.197	-2.00	4.104	316.041	-150.00
-4.184	313.574	-150.00	-4.000	313.851	-2.00	109+0.000	313.931	313.630	0.301	4.000	313.851	-2.00	4.111	313.685	-150.00
-4.204	311.422	-150.00	-4.000	311.728	-2.00	110+0.000	311.808	311.499	0.310	4.000	311.728	-2.00	4.083	311.604	-150.00
-4.233	309.864	-150.00	-4.000	310.214	-2.00	111+0.000	310.294	309.963	0.331	4.000	310.214	-2.00	4.088	310.081	-150.00
-4.244	308.621	-150.00	-4.000	308.987	-2.00	112+0.000	309.067	308.725	0.342	4.000	308.987	-2.00	4.108	308.824	-150.00
-4.252	307.556	-150.00	-4.000	307.934	-2.00	113+0.000	308.014	307.661	0.353	4.000	307.934	-2.00	4.115	307.762	-150.00
-4.281	306.768	-150.00	-4.000	307.190	-2.00	114+0.000	307.270	306.916	0.354	4.000	307.190	-2.00	4.113	307.020	-150.00
-4.283	306.091	-150.00	-4.000	306.515	-2.00	115+0.000	306.595	306.223	0.371	4.000	306.515	-2.00	4.109	306.350	-150.00
-4.288	305.613	-150.00	-4.000	306.045	-2.00	116+0.000	306.125	305.756	0.368	4.000	306.045	-2.00	4.101	305.894	-150.00
-4.309	305.006	-150.00	-4.000	305.469	-2.00	117+0.000	305.549	305.168	0.381	4.000	305.469	-2.00	4.098	305.322	-150.00
-4.281	304.340	-150.00	-4.000	304.762	-2.00	118+0.000	304.842	304.482	0.360	4.000	304.762	-2.00	4.102	304.609	-150.00
-4.279	303.374	-150.00	-4.000	303.793	-2.00	119+0.000	303.873	303.510	0.363	4.000	303.793	-2.00	4.102	303.641	-150.00
-4.278	301.729	-150.00	-4.000	302.145	-2.00	120+0.000	302.225	301.876	0.350	4.000	302.145	-2.00	4.077	302.029	-150.00
-4.291	299.931	-150.00	-4.000	300.367	-2.00	121+0.000	300.447	300.127	0.320	4.000	300.367	-2.00	4.023	300.333	-150.00
-4.349	298.152	-150.00	-4.000	298.676	-2.00	122+0.000	298.756	298.439	0.317	4.000	298.676	-2.00	4.044	298.706	66.67
-4.321	296.836	-150.00	-4.000	297.318	-2.00	123+0.000	297.398	297.161	0.237	4.000	297.318	-2.00	4.233	297.473	66.67
-4.517	295.633	-150.00	-4.000	296.408	-2.00	124+0.000	296.488	296.122	0.366	4.000	296.408	-2.00	4.264	296.584	66.67
-4.402	295.770	-150.00	-4.000	296.374	-2.00	125+0.000	296.454	296.090	0.364	4.000	296.374	-2.00	4.010	296.381	66.67
-4.463	295.956	-150.00	-4.000	296.650	-2.00	126+0.000	296.730	296.327	0.403	4.000	296.650	-2.00	4.017	296.661	66.67
-4.473	296.214	-150.00	-4.000	296.923	-2.00	127+0.000	297.003	296.598	0.405	4.000	296.923	-2.00	4.031	296.943	66.67
-4.434	296.302	-150.00	-4.000	296.953	-2.00	128+0.000	297.033	296.600	0.433	4.000	296.953	-2.00	4.012	296.935	-150.00
-4.373	296.265	-150.00	-4.000	296.824	-2.00	129+0.000	296.904	296.541	0.363	4.000	296.824	-2.00	4.074	296.714	-150.00
-4.300	295.430	-150.00	-4.000	295.880	-2.00	130+0.000	295.960	295.597	0.363	4.000	295.880	-2.00	4.083	295.756	-150.00
-4.215	294.451	-150.00	-4.000	294.774	-2.00	131+0.000	294.854	294.574	0.279	4.000	294.774	-2.00	4.095	294.632	-150.00
-4.132	293.477	-150.00	-4.000	293.675	-2.00	132+0.000	293.755	293.505	0.250	4.000	293.675	-2.00	4.095	293.533	-150.00
-4.219	292.421	-150.00	-4.000	292.749	-2.00	133+0.000	292.829	292.433	0.396	4.000	292.749	-2.00	4.197	292.453	-150.00
-4.254	291.804	-150.00	-4.000	292.184	-2.00	134+0.000	292.264	291.878	0.386	4.000	292.184	-2.00	4.156	291.950	-150.00
-4.260	291.590	-150.00	-4.000	291.980	-2.00	135+0.000	292.060	291.693	0.367	4.000	291.980	-2.00	4.125	291.792	-150.00
-4.288	291.641	-150.00	-4.000	292.073	-2.00	136+0.000	292.153	291.761	0.393	4.000	292.073	-2.00	4.132	291.876	-150.00
-4.423	292.101	-150.00	-4.000	292.735	-2.00	137+0.000	292.815	292.426	0.388	4.000	292.735	-2.00	4.009	292.722	-150.00
-4.459	293.115	-150.00	-4.000	293.803	-2.00	138+0.000	293.883	293.450	0.433	4.000	293.803	-2.00	4.035	293.750	-150.00
-4.458	293.945	-150.00	-4.000	294.633	-2.00	139+0.000	294.713	294.264	0.449	4.000	294.633	-2.00	4.053	294.554	-150.00
-4.498	294.510	-150.00	-4.000	295.257	-2.00	140+0.000	295.337	294.957	0.380	4.000	295.257	-2.00	4.174	295.373	66.67
-4.419	295.252	-150.00	-4.000	295.882	-2.00	141+0.000	295.962	295.663	0.298	4.000	295.882	-2.00	4.268	296.060	66.67
-4.327	295.903	-150.00	-4.000	296.393	-2.00	142+0.000	296.473	296.211	0.262	4.000	296.393	-2.00	4.172	296.508	66.67
-4.476	296.116	-150.00	-4.000	296.830	-2.00	143+0.000	296.910	296.586	0.324	4.000	296.830	-2.00	4.314	297.039	66.67
-4.485	296.539	-150.00	-4.000	297.266	-2.00	144+0.000	297.346	296.924	0.422	4.000	297.266	-2.00			
-4.469	296.695	-150.00	-4.000	297.398	-2.00	145+0.000	297.478	297.080	0.398	4.000	297.398	-2.00	4.192	297.526	66.67
-4.510	297.263	-150.00	-4.000	298.028	-2.00	146+0.000	298.108	297.734	0.374	4.000	298.028	-2.00	4.220	298.175	66.67
-4.495	297.964	-150.00	-4.000	298.706	-2.00	147+0.000	298.786	298.441	0.345	4.000	298.706	-2.00	4.284	298.896	66.67
-4.608	298.482	-150.00	-4.000	299.394	-2.00	148+0.000	299.474	299.054	0.420	4.000	299.394	-2.00	4.333	299.616	66.67
-4.627	299.099	-150.00	-4.000	300.040	-2.00	149+0.000	300.120	299.719	0.402	4.000	300.040	-2.00	4.363	300.282	66.67
-4.626	299.402	-150.00	-4.000	300.341	-2.00	150+0.000	300.421	300.012	0.410	4.000	300.341	-2.00	4.370	300.588	66.67
-4.578	299.580	-150.00	-4.000	300.448	-2.00	151+0.000	300.528	300.123	0.405	4.000	300.448	-2.00	4.364	300.691	66.67
-4.597	299.531	-150.00	-4.000	300.427	-2.00	152+0.000	300.507	300.131	0.376	4.000	300.427	-2.00	4.392	300.688	66.67

Osvaldo Leonardo da Silva
Diretor da Unidade de Programas
Projetos e Obras - DUPOB
Secretaria [illegible]

-4.559	299.399	-150.00	-4.000	300.238	-2.00	153+0.000	300.318	299.951	0.367	4.000	300.238	-2.00	4.360	300.478	66.67
-4.476	298.910	-150.00	-4.000	299.624	-2.00	154+0.000	299.704	299.347	0.357	4.000	299.624	-2.00	4.202	299.758	66.67
-4.451	298.160	-150.00	-4.000	298.836	-2.00	155+0.000	298.916	298.539	0.377	4.000	298.836	-2.00	4.076	298.887	66.67
-4.410	297.003	-150.00	-4.000	297.618	-2.00	156+0.000	297.698	297.373	0.325	4.000	297.618	-2.00	4.050	297.651	66.67
-4.317	295.525	-150.00	-4.000	296.000	-2.00	157+0.000	296.080	295.759	0.321	4.000	296.000	-2.00	4.015	295.977	-150.00
-4.266	293.956	-150.00	-4.000	294.355	-2.00	158+0.000	294.435	294.133	0.302	4.000	294.355	-2.00	4.037	294.300	-150.00
-4.165	292.426	-150.00	-4.000	292.673	-2.00	159+0.000	292.753	292.482	0.271	4.000	292.673	-2.00	4.089	292.540	-150.00
-4.298	290.975	-150.00	-4.000	291.422	-2.00	160+0.000	291.502	291.010	0.492	4.000	291.422	-2.00	4.251	291.046	-150.00
-4.132	290.417	-150.00	-4.000	290.616	-2.00	161+0.000	290.696	290.422	0.274	4.000	290.616	-2.00	4.126	290.427	-150.00
-4.114	290.084	-150.00	-4.000	290.255	-2.00	162+0.000	290.335	290.050	0.284	4.000	290.255	-2.00	4.149	290.031	-150.00
-4.171	290.082	-150.00	-4.000	290.338	-2.00	163+0.000	290.418	290.011	0.407	4.000	290.338	-2.00	4.246	289.969	-150.00
-4.219	290.360	-150.00	-4.000	290.689	-2.00	164+0.000	290.769	290.313	0.455	4.000	290.689	-2.00	4.282	290.266	-150.00
-4.194	290.789	-150.00	-4.000	291.080	-2.00	165+0.000	291.160	290.751	0.410	4.000	291.080	-2.00	4.246	290.712	-150.00
-4.240	291.332	-150.00	-4.000	291.691	-2.00	166+0.000	291.771	291.293	0.478	4.000	291.691	-2.00	4.292	291.254	-150.00
-4.257	291.923	-150.00	-4.000	292.308	-2.00	167+0.000	292.388	291.888	0.500	4.000	292.308	-2.00	4.304	291.852	-150.00
-4.242	292.563	-150.00	-4.000	292.925	-2.00	168+0.000	293.005	292.528	0.477	4.000	292.925	-2.00	4.295	292.482	-150.00
-4.222	293.209	-150.00	-4.000	293.542	-2.00	169+0.000	293.622	293.179	0.443	4.000	293.542	-2.00	4.268	293.140	-150.00
-4.199	293.847	-150.00	-4.000	294.145	-2.00	170+0.000	294.225	293.815	0.410	4.000	294.145	-2.00	4.309	293.682	-150.00
-4.175	294.248	-150.00	-4.000	294.510	-2.00	171+0.000	294.590	294.116	0.474	4.000	294.510	-2.00	4.354	293.979	-150.00
-4.141	294.663	-150.00	-4.000	294.874	-2.00	172+0.000	294.954	294.532	0.423	4.000	294.874	-2.00	4.322	294.391	-150.00
-4.141	295.185	-150.00	-4.000	295.396	-2.00	173+0.000	295.476	295.059	0.417	4.000	295.396	-2.00	4.313	294.927	-150.00
-4.130	296.050	-150.00	-4.000	296.246	-2.00	174+0.000	296.326	295.906	0.420	4.000	296.246	-2.00	4.327	295.755	-150.00
-4.250	297.243	-150.00	-4.000	297.618	-2.00	175+0.000	297.698	297.102	0.597	4.000	297.618	-2.00	4.443	296.954	-150.00
-4.311	298.798	-150.00	-4.000	299.264	-2.00	176+0.000	299.344	298.769	0.575	4.000	299.264	-2.00	4.350	298.739	-150.00
-4.355	300.378	-150.00	-4.000	300.910	-2.00	177+0.000	300.990	300.378	0.612	4.000	300.910	-2.00	4.293	300.470	-150.00
-4.328	301.898	-150.00	-4.000	302.390	-2.00	178+0.000	302.470	301.979	0.491	4.000	302.390	-2.00	4.221	302.059	-150.00
-4.315	303.256	-150.00	-4.000	303.728	-2.00	179+0.000	303.808	303.453	0.355	4.000	303.728	-2.00	4.059	303.639	-150.00
-4.377	304.475	-150.00	-4.000	305.041	-2.00	180+0.000	305.121	304.676	0.445	4.000	305.041	-2.00	4.120	304.860	-150.00
-4.349	305.605	-150.00	-4.000	306.128	-2.00	181+0.000	306.208	305.773	0.435	4.000	306.128	-2.00	4.131	305.932	-150.00
-4.321	306.653	-150.00	-4.000	307.135	-2.00	182+0.000	307.215	306.780	0.436	4.000	307.135	-2.00	4.166	306.886	-150.00
-4.329	307.479	-150.00	-4.000	307.972	-2.00	183+0.000	308.052	307.618	0.434	4.000	307.972	-2.00	4.165	307.724	-150.00
-4.282	308.270	-150.00	-4.000	308.692	-2.00	184+0.000	308.772	308.364	0.409	4.000	308.692	-2.00	4.195	308.399	-150.00
-4.258	308.958	-150.00	-4.000	309.345	-2.00	185+0.000	309.425	309.076	0.349	4.000	309.345	-2.00	4.155	309.112	-150.00
-4.264	309.602	-150.00	-4.000	309.997	-2.00	186+0.000	310.077	309.695	0.382	4.000	309.997	-2.00	4.202	309.695	-150.00
-4.245	310.231	-150.00	-4.000	310.598	-2.00	187+0.000	310.678	310.290	0.388	4.000	310.598	-2.00	4.196	310.304	-150.00
-4.259	310.776	-150.00	-4.000	311.165	-2.00	188+0.000	311.245	310.839	0.406	4.000	311.165	-2.00	4.176	310.900	-150.00
-4.226	311.392	-150.00	-4.000	311.731	-2.00	189+0.000	311.811	311.416	0.395	4.000	311.731	-2.00	4.194	311.440	-150.00
-4.234	311.947	-150.00	-4.000	312.298	-2.00	190+0.000	312.378	311.976	0.402	4.000	312.298	-2.00	4.195	312.005	-150.00
-4.197	312.568	-150.00	-4.000	312.864	-2.00	191+0.000	312.944	312.575	0.369	4.000	312.864	-2.00	4.188	312.583	-150.00
-4.188	313.149	-150.00	-4.000	313.431	-2.00	192+0.000	313.511	313.153	0.357	4.000	313.431	-2.00	4.190	313.146	-150.00
-4.205	313.689	-150.00	-4.000	313.997	-2.00	193+0.000	314.077	313.673	0.405	4.000	313.997	-2.00	4.228	313.656	-150.00
-4.198	314.253	-150.00	-4.000	314.550	-2.00	194+0.000	314.630	314.218	0.412	4.000	314.550	-2.00	4.247	314.179	-150.00
-4.202	314.682	-150.00	-4.000	314.985	-2.00	195+0.000	315.065	314.639	0.426	4.000	314.985	-2.00	4.260	314.595	-150.00
-4.169	315.029	-150.00	-4.000	315.282	-2.00	196+0.000	315.362	314.977	0.385	4.000	315.282	-2.00	4.238	314.924	-150.00
-4.179	315.173	-150.00	-4.000	315.442	-2.00	197+0.000	315.522	315.120	0.403	4.000	315.442	-2.00	4.252	315.065	-150.00
-4.171	315.101	-150.00	-4.000	315.357	-2.00	198+0.000	315.437	315.053	0.385	4.000	315.357	-2.00	4.236	315.004	-150.00
-4.151	314.906	-150.00	-4.000	315.132	-2.00	199+0.000	315.212	314.865	0.346	4.000	315.132	-2.00	4.205	314.824	-150.00
-4.184	314.629	-150.00	-4.000	314.906	-2.00	200+0.000	314.986	314.600	0.386	4.000	314.906	-2.00	4.221	314.574	-150.00
-4.189	314.396	-150.00	-4.000	314.680	-2.00	201+0.000	314.760	314.369	0.391	4.000	314.680	-2.00	4.225	314.342	-150.00
-4.169	314.227	-150.00	-4.000	314.481	-2.00	202+0.000	314.561	314.181	0.380	4.000	314.481	-2.00	4.231	314.134	-150.00
-4.187	314.399	-150.00	-4.000	314.679	-2.00	203+0.000	314.759	314.356	0.402	4.000	314.679	-2.00	4.241	314.318	-150.00
-4.182	314.654	-150.00	-4.000	314.928	-2.00	204+0.000	315.008	314.619	0.389	4.000	314.928	-2.00	4.230	314.583	-150.00
-4.164	314.971	-150.00	-4.000	315.216	-2.00	205+0.000	315.296	314.908	0.388	4.000	315.216	-2.00	4.248	314.844	-150.00
-4.192	315.358	-150.00	-4.000	315.646	-2.00	206+0.000	315.726	315.299	0.427	4.000	315.646	-2.00	4.271	315.239	-150.00
-4.190	315.716	-150.00	-4.000	316.000	-2.00	207+0.000	316.080	315.668	0.412	4.000	316.000	-2.00	4.254	315.619	-150.00
-4.224	315.892	-150.00	-4.000	316.228	-2.00	208+0.000	316.308	315.853	0.455	4.000	316.228	-2.00	4.286	315.799	-150.00
-4.222	316.123	-150.00	-4.000	316.456	-2.00	209+0.000	316.536	316.103	0.434	4.000	316.456	-2.00	4.255	316.074	-150.00
-4.199	316.385	-150.00	-4.000	316.684	-2.00	210+0.000	316.764	316.376	0.388	4.000	316.684	-2.00	4.212	316.367	-150.00
-4.204	316.635	-150.00	-4.000	316.940	-2.00	211+0.000	317.020	316.633	0.387	4.000	316.940	-2.00	4.206	316.632	-150.00
-4.237	316.904	-150.00	-4.000	317.260	-2.00	212+0.000	317.340	316.911	0.429	4.000	317.260	-2.00	4.216	316.936	-150.00
-4.225	317.305	-150.00	-4.000	317.643	-2.00	213+0.000	317.723	317.326	0.396	4.000	317.643	-2.00	4.193	317.354	-150.00
-4.227	317.749	-150.00	-4.000	318.089	-2.00	214+0.000	318.169	317.756	0.413	4.000	318.089	-2.00	4.200	317.789	-150.00
-4.233	318.249	-150.00	-4.000	318.599	-2.00	215+0.000	318.679	318.265	0.414	4.000	318.599	-2.00	4.193	318.309	-150.00
-4.232	318.767	-150.00	-4.000	319.115	-2.00	216+0.000	319.195	318.787	0.408	4.000	319.115	-2.00	4.206	318.807	-150.00
-4.241	319.221	-150.00	-4.000	319.583	-2.00	217+0.000	319.663	319.217	0.445	4.000	319.583	-2.00	4.246	319.213	-150.00
-4.196	319.749	-150.00	-4.000	320.042	-2.00	218+0.000	320.122	319.716	0.406	4.000	320.042	-2.00	4.240	319.683	-150.00
-4.114	320.285	-150.00	-4.000	320.456	-2.00	219+0.000	320.536	320.235	0.302	4.000	320.456	-2.00	4.181	320.184	-150.00
-4.075	320.758	-150.00	-4.000	320.870	-2.00	220+0.000	320.950	320.697	0.253	4.000	320.870	-2.00	4.157	320.635	-150.00
-4.092	321.146	-150.00	-4.000	321.284	-2.00	221+0.000	321.364	321.082	0.282	4.000	321.284	-2.00	4.193	320.994	-150.00
-4.171	321.383	-150.00	-4.000	321.640	-2.00	222+0.000	321.720	321.345	0.376	4.000	321.640	-2.00	4.247	321.270	-150.00
-4.200	321.362	-150.00	-4.000	321.662	-2.00	223+0.000	321.742	321.308	0.434	4.000	321.662	-2.00	4.273	321.253	-150.00
-4.242	321.323	-150.00	-4.000	321.685	-2.00	224+0.000	321.765	321.241	0.525	4.000	321.685	-2.00	4.353	321.156	-150.00
-4.109	321.566	-150.00	-4.000	321.730	-2.00	225+0.000	321.810	321.420	0.390	4.000	321.730	-2.00	4.308	321.268	-150.00
-4.145	321.829	-150.00	-4.000	322.047	-2.00	226+0.000	322.127	321.698	0.429	4.000	322.047	-2.00	4.324	321.561	-150.00
-4.281	322.260	-150.00	-4.000	322.681	-2.00	227+0.000	322.761	322.085	0.676	4.000	322.681	-2.00	4.520	321.901	-150.00
-4.199	323.017	-150.00	-4.000	323.315	-2.00	228+0.000	323.395	322.977	0.418	4.000	323.315	-2.00	4.252	322.937	-150.00
-4.202	323.777	-150.00	-4.000	324.080	-2.00	229+0.000	324.160	323.729	0.431	4.000	324.080	-2.00	4.252	323.702	-150.00
-4.200	324.762	-150.00	-4.000	325.061	-2.00	230+0.000	325.141	324.701	0.440	4.000	325.061	-2.00	4.275	324.648	-150.00
-4.133	325.449	-150.00	-4.000	325.648	-2.00	231+0.000	325.728	325.419	0.309	4.000	325.648	-2.00	4.173	325.389	-150.00
-4.096	326.004	-150.00	-4.000	326.148	-2.00	232+0.000	326.228	325.947	0.282	4.000	326.148	-2.00	4.173	325.888	-150.00

Osvaldo Leôncio da [illegible] Filho
Diretor da Unidade de [illegible]
Projetos e Obras - DIPRO
Secretaria [illegible]

-4.203	326.023	-150.00	-4.000	326.327	-2.00	233+0.000	326.407	325.935	0.473	4.000	326.327	-2.00	4.323	325.843	-150.00
-4.115	325.968	-150.00	-4.000	326.141	-2.00	234+0.000	326.221	325.874	0.347	4.000	326.141	-2.00	4.265	325.743	-150.00
-4.122	325.661	-150.00	-4.000	325.844	-2.00	235+0.000	325.924	325.503	0.421	4.000	325.844	-2.00	4.338	325.336	-150.00
-4.064	325.380	-150.00	-4.000	325.477	-2.00	236+0.000	325.557	325.173	0.384	4.000	325.477	-2.00	4.368	324.924	-150.00
-4.055	324.885	-150.00	-4.000	324.969	-2.00	237+0.000	325.049	324.660	0.389	4.000	324.969	-2.00	4.368	324.417	-150.00
-4.056	324.449	-150.00	-4.000	324.532	-2.00	238+0.000	324.612	324.231	0.381	4.000	324.532	-2.00	4.356	323.998	-150.00
-4.049	324.251	-150.00	-4.000	324.325	-2.00	239+0.000	324.405	324.035	0.370	4.000	324.325	-2.00	4.345	323.807	-150.00
-4.067	324.187	-150.00	-4.000	324.288	-2.00	240+0.000	324.368	323.975	0.393	4.000	324.288	-2.00	4.360	323.748	-150.00
-4.114	324.304	-150.00	-4.000	324.475	-2.00	241+0.000	324.555	324.134	0.421	4.000	324.475	-2.00	4.347	323.954	-150.00
-4.111	325.047	-150.00	-4.000	325.213	-2.00	242+0.000	325.293	324.870	0.423	4.000	325.213	-2.00	4.354	324.682	-150.00
-4.123	325.812	-150.00	-4.000	325.997	-2.00	243+0.000	326.077	325.629	0.448	4.000	325.997	-2.00	4.375	325.434	-150.00
-4.116	326.605	-150.00	-4.000	326.779	-2.00	244+0.000	326.859	326.427	0.432	4.000	326.779	-2.00	4.361	326.238	-150.00
-4.129	327.188	-150.00	-4.000	327.382	-2.00	245+0.000	327.462	327.040	0.422	4.000	327.382	-2.00	4.328	326.890	-150.00
-4.128	327.719	-150.00	-4.000	327.910	-2.00	246+0.000	327.990	327.592	0.399	4.000	327.910	-2.00	4.301	327.459	-150.00
-4.124	327.832	-150.00	-4.000	328.018	-2.00	247+0.000	328.098	327.698	0.400	4.000	328.018	-2.00	4.307	327.557	-150.00
-4.135	327.670	-150.00	-4.000	327.873	-2.00	248+0.000	327.953	327.561	0.392	4.000	327.873	-2.00	4.298	327.426	-150.00
-4.126	327.438	-150.00	-4.000	327.628	-2.00	249+0.000	327.708	327.317	0.390	4.000	327.628	-2.00	4.325	327.141	-150.00
-4.079	327.076	-150.00	-4.000	327.195	-2.00	250+0.000	327.275	326.914	0.360	4.000	327.195	-2.00	4.301	326.744	-150.00
-4.134	326.756	-150.00	-4.000	326.957	-2.00	251+0.000	327.037	326.669	0.368	4.000	326.957	-2.00	4.313	326.487	-150.00
-4.135	326.327	-150.00	-4.000	326.529	-2.00	252+0.000	326.609	326.252	0.357	4.000	326.529	-2.00	4.241	326.169	-150.00
-4.203	325.994	-150.00	-4.000	326.298	-2.00	253+0.000	326.378	325.993	0.385	4.000	326.298	-2.00	4.204	325.991	-150.00
-4.248	325.990	-150.00	-4.000	326.362	-2.00	254+0.000	326.442	326.053	0.390	4.000	326.362	-2.00	4.246	325.994	-150.00
-4.222	325.970	-150.00	-4.000	326.303	-2.00	255+0.000	326.383	325.931	0.452	4.000	326.303	-2.00	4.274	325.892	-150.00
-4.198	325.943	-150.00	-4.000	326.239	-2.00	256+0.000	326.319	325.932	0.387	4.000	326.239	-2.00	4.211	325.923	-150.00
-4.188	325.917	-150.00	-4.000	326.199	-2.00	257+0.000	326.279	325.896	0.383	4.000	326.199	-2.00	4.213	325.879	-150.00
-4.184	326.021	-150.00	-4.000	326.297	-2.00	258+0.000	326.377	325.994	0.383	4.000	326.297	-2.00	4.231	325.951	-150.00
-4.160	326.263	-150.00	-4.000	326.503	-2.00	259+0.000	326.583	326.198	0.385	4.000	326.503	-2.00	4.238	326.146	-150.00
-4.134	326.609	-150.00	-4.000	326.810	-2.00	260+0.000	326.890	326.515	0.374	4.000	326.810	-2.00	4.261	326.419	-150.00
-4.161	327.545	-150.00	-4.000	327.786	-2.00	261+0.000	327.866	327.430	0.436	4.000	327.786	-2.00	4.317	327.310	-150.00
-4.162	328.614	-150.00	-4.000	328.858	-2.00	262+0.000	328.938	328.498	0.440	4.000	328.858	-2.00	4.321	328.377	-150.00
-4.145	329.879	-150.00	-4.000	330.096	-2.00	263+0.000	330.176	329.778	0.398	4.000	330.096	-2.00	4.283	329.672	-150.00
-4.166	331.086	-150.00	-4.000	331.335	-2.00	264+0.000	331.415	331.007	0.408	4.000	331.335	-2.00	4.273	330.925	-150.00
-4.165	332.203	-150.00	-4.000	332.451	-2.00	265+0.000	332.531	332.137	0.394	4.000	332.451	-2.00	4.277	332.035	-150.00
-4.191	332.986	-150.00	-4.000	333.273	-2.00	266+0.000	333.353	332.916	0.437	4.000	333.273	-2.00	4.294	332.831	-150.00
-4.178	333.535	-150.00	-4.000	333.801	-2.00	267+0.000	333.881	333.464	0.418	4.000	333.801	-2.00	4.274	333.390	-150.00
-4.148	333.947	-150.00	-4.000	334.170	-2.00	268+0.000	334.250	333.871	0.379	4.000	334.170	-2.00	4.257	333.785	-150.00
-4.140	334.135	-150.00	-4.000	334.345	-2.00	269+0.000	334.425	334.037	0.389	4.000	334.345	-2.00	4.277	333.929	-150.00
-4.122	334.190	-150.00	-4.000	334.374	-2.00	270+0.000	334.454	334.140	0.314	4.000	334.374	-2.00	4.190	334.090	-150.00
-4.090	334.431	-150.00	-4.000	334.566	-2.00	271+0.000	334.646	334.373	0.274	4.000	334.566	-2.00	4.177	334.301	-150.00
-4.119	334.780	-150.00	-4.000	334.959	-2.00	272+0.000	335.039	334.758	0.281	4.000	334.959	-2.00	4.165	334.711	-150.00
-4.206	335.214	-150.00	-4.000	335.522	-2.00	273+0.000	335.602	335.187	0.415	4.000	335.522	-2.00	4.246	335.153	-150.00
-4.140	335.730	-150.00	-4.000	335.941	-2.00	274+0.000	336.021	335.694	0.326	4.000	335.941	-2.00	4.191	335.655	-150.00
-4.153	336.074	-150.00	-4.000	336.304	-2.00	275+0.000	336.384	336.073	0.311	4.000	336.304	-2.00	4.161	336.063	-150.00
-4.180	336.399	-150.00	-4.000	336.668	-2.00	276+0.000	336.748	336.376	0.373	4.000	336.668	-2.00	4.211	336.352	-150.00
-4.231	336.580	-150.00	-4.000	336.926	-2.00	277+0.000	337.006	336.675	0.332	4.000	336.926	-2.00	4.119	336.748	-150.00
-4.285	336.564	-150.00	-4.000	336.991	-2.00	278+0.000	337.071	336.612	0.458	4.000	336.991	-2.00	4.220	336.660	-150.00
-4.278	336.587	-150.00	-4.000	337.004	-2.00	279+0.000	337.084	336.705	0.380	4.000	337.004	-2.00	4.170	336.750	-150.00
-4.264	336.467	-150.00	-4.000	336.863	-2.00	280+0.000	336.943	336.542	0.402	4.000	336.863	-2.00	4.182	336.590	-150.00
-4.239	336.291	-150.00	-4.000	336.649	-2.00	281+0.000	336.729	336.355	0.374	4.000	336.649	-2.00	4.170	336.394	-150.00
-4.216	336.051	-150.00	-4.000	336.375	-2.00	282+0.000	336.455	336.097	0.358	4.000	336.375	-2.00	4.155	336.142	-150.00
-4.217	335.765	-150.00	-4.000	336.090	-2.00	283+0.000	336.170	335.811	0.360	4.000	336.090	-2.00	4.159	335.852	-150.00
-4.227	335.659	-150.00	-4.000	336.000	-2.00	284+0.000	336.080	335.682	0.397	4.000	336.000	-2.00	4.196	335.705	-150.00
-4.229	335.534	-150.00	-4.000	335.878	-2.00	285+0.000	335.958	335.559	0.399	4.000	335.878	-2.00	4.196	335.584	-150.00
-4.199	335.261	-150.00	-4.000	335.560	-2.00	286+0.000	335.640	335.261	0.379	4.000	335.560	-2.00	4.201	335.258	-150.00
-4.178	334.972	-150.00	-4.000	335.239	-2.00	287+0.000	335.319	334.972	0.347	4.000	335.239	-2.00	4.178	334.972	-150.00
-4.171	334.662	-150.00	-4.000	334.919	-2.00	288+0.000	334.999	334.664	0.334	4.000	334.919	-2.00	4.170	334.664	-150.00
-4.183	334.323	-150.00	-4.000	334.598	-2.00	289+0.000	334.678	334.327	0.351	4.000	334.598	-2.00	4.178	334.331	-150.00
-4.208	333.971	-150.00	-4.000	334.282	-2.00	290+0.000	334.362	334.004	0.358	4.000	334.282	-2.00	4.163	334.038	-150.00
-4.212	333.651	-150.00	-4.000	333.970	-2.00	291+0.000	334.050	333.699	0.351	4.000	333.970	-2.00	4.150	333.745	-150.00
-4.223	333.322	-150.00	-4.000	333.657	-2.00	292+0.000	333.737	333.367	0.369	4.000	333.657	-2.00	4.163	333.412	-150.00
-4.230	332.945	-150.00	-4.000	333.289	-2.00	293+0.000	333.369	332.973	0.397	4.000	333.289	-2.00	4.193	333.000	-150.00
-4.227	332.578	-150.00	-4.000	332.919	-2.00	294+0.000	332.999	332.606	0.393	4.000	332.919	-2.00	4.177	332.653	-150.00
-4.196	332.389	-150.00	-4.000	332.684	-2.00	295+0.000	332.764	332.394	0.369	4.000	332.684	-2.00	4.189	332.400	-150.00
-4.202	332.263	-150.00	-4.000	332.565	-2.00	296+0.000	332.645	332.265	0.380	4.000	332.565	-2.00	4.198	332.268	-150.00
-4.223	332.272	-150.00	-4.000	332.607	-2.00	297+0.000	332.687	332.276	0.411	4.000	332.607	-2.00	4.211	332.290	-150.00
-4.204	332.236	-150.00	-4.000	332.542	-2.00	298+0.000	332.622	332.197	0.425	4.000	332.542	-2.00	4.247	332.171	-150.00
-4.142	332.084	-150.00	-4.000	332.297	-2.00	299+0.000	332.377	331.988	0.388	4.000	332.297	-2.00	4.272	331.890	-150.00
-4.098	331.520	-150.00	-4.000	331.667	-2.00	300+0.000	331.747	331.422	0.325	4.000	331.667	-2.00	4.237	331.311	-150.00
-4.111	330.827	-150.00	-4.000	330.994	-2.00	301+0.000	331.074	330.704	0.370	4.000	330.994	-2.00	4.278	330.576	-150.00
-4.122	329.895	-150.00	-4.000	330.078	-2.00	302+0.000	330.158	329.794	0.364	4.000	330.078	-2.00	4.252	329.699	-150.00
-4.131	328.928	-150.00	-4.000	329.125	-2.00	303+0.000	329.205	328.853	0.352	4.000	329.125	-2.00	4.243	328.761	-150.00
-4.128	327.981	-150.00	-4.000	328.173	-2.00	304+0.000	328.253	327.898	0.355	4.000	328.173	-2.00	4.251	327.797	-150.00
-4.129	326.959	-150.00	-4.000	327.153	-2.00	305+0.000	327.233	326.880	0.353	4.000	327.153	-2.00	4.252	326.775	-150.00
-4.127	326.007	-150.00	-4.000	326.197	-2.00	306+0.000	326.277	325.930	0.346	4.000	326.197	-2.00	4.230	325.852	-150.00
-4.112	325.417	-150.00	-4.000	325.585	-2.00	307+0.000	325.665	325.351	0.313	4.000	325.585	-2.00	4.212	325.266	-150.00
-4.145	324.756	-150.00	-4.000	324.973	-2.00	308+0.000	325.053	324.687	0.366	4.000	324.973	-2.00	4.225	324.636	-150.00
-4.183	324.200	-150.00	-4.000	324.474	-2.00	309+0.000	324.554	324.185	0.370	4.000	324.474	-2.00	4.201	324.174	-150.00
-4.144	323.823	-150.00	-4.000	324.040	-2.00	310+0.000	324.120	323.859	0.261	4.000	324.040	-2.00	4.122	323.856	-150.00
-4.140	323.385	-150.00	-4.000	323.595	-2.00	311+0.000	323.675	323.395	0.280	4.000	323.595	-2.00	4.122	323.412	-150.00
-4.233	322.726	-150.00	-4.000	323.075	-2.00	312+0.000	323.155	322.786	0.370	4.000	323.075	-2.00	4.149	322.852	-150.00

Osvaldo [illegible] da Silva
Diretor da Unidade de Projetos
Projetos e Obras - DUPPO
Secretaria [illegible]

-4.243	322.104	-150.00	-4.000	322.469	-2.00	313+0.000	322.549	322.170	0.379	4.000	322.469	-2.00	4.156	322.234	-150.00
-4.272	321.373	-150.00	-4.000	321.781	-2.00	314+0.000	321.861	321.497	0.364	4.000	321.781	-2.00	4.125	321.593	-150.00
-4.296	320.629	-150.00	-4.000	321.073	-2.00	315+0.000	321.153	320.776	0.376	4.000	321.073	-2.00	4.104	320.917	-150.00
-4.291	319.927	-150.00	-4.000	320.365	-2.00	316+0.000	320.445	320.076	0.368	4.000	320.365	-2.00	4.097	320.219	-150.00
-4.264	319.260	-150.00	-4.000	319.656	-2.00	317+0.000	319.736	319.392	0.344	4.000	319.656	-2.00	4.103	319.502	-150.00
-4.258	318.652	-150.00	-4.000	319.039	-2.00	318+0.000	319.119	318.757	0.362	4.000	319.039	-2.00	4.112	318.871	-150.00
-4.244	318.107	-150.00	-4.000	318.473	-2.00	319+0.000	318.553	318.189	0.364	4.000	318.473	-2.00	4.136	318.270	-150.00
-4.283	317.611	-150.00	-4.000	318.034	-2.00	320+0.000	318.114	317.738	0.376	4.000	318.034	-2.00	4.115	317.862	-150.00
-4.248	317.483	-150.00	-4.000	317.855	-2.00	321+0.000	317.935	317.556	0.378	4.000	317.855	-2.00	4.150	317.630	-150.00
-4.236	317.391	-150.00	-4.000	317.745	-2.00	322+0.000	317.825	317.437	0.388	4.000	317.745	-2.00	4.175	317.482	-150.00
-4.322	317.503	-150.00	-4.000	317.986	-2.00	323+0.000	318.066	317.621	0.444	4.000	317.986	-2.00	4.167	317.736	-150.00
-4.276	317.841	-150.00	-4.000	318.255	-2.00	324+0.000	318.335	317.977	0.357	4.000	318.255	-2.00	4.098	318.108	-150.00
-4.319	318.045	-150.00	-4.000	318.524	-2.00	325+0.000	318.604	318.192	0.412	4.000	318.524	-2.00	4.139	318.315	-150.00
-4.301	318.533	-150.00	-4.000	318.985	-2.00	326+0.000	319.065	318.664	0.401	4.000	318.985	-2.00	4.130	318.789	-150.00
-4.387	319.181	-150.00	-4.000	319.762	-2.00	327+0.000	319.842	319.317	0.525	4.000	319.762	-2.00	4.210	319.447	-150.00
-4.364	320.022	-150.00	-4.000	320.569	-2.00	328+0.000	320.649	320.147	0.502	4.000	320.569	-2.00	4.201	320.267	-150.00
-4.334	320.874	-150.00	-4.000	321.376	-2.00	329+0.000	321.456	320.993	0.463	4.000	321.376	-2.00	4.179	321.107	-150.00
-4.309	321.719	-150.00	-4.000	322.182	-2.00	330+0.000	322.262	321.839	0.423	4.000	322.182	-2.00	4.152	321.955	-150.00
-4.298	322.431	-150.00	-4.000	322.877	-2.00	331+0.000	322.957	322.538	0.419	4.000	322.877	-2.00	4.157	322.642	-150.00
-4.272	323.143	-150.00	-4.000	323.551	-2.00	332+0.000	323.631	323.228	0.403	4.000	323.551	-2.00	4.160	323.311	-150.00
-4.248	323.923	-150.00	-4.000	324.295	-2.00	333+0.000	324.375	323.948	0.427	4.000	324.295	-2.00	4.215	323.974	-150.00
-4.212	324.675	-150.00	-4.000	324.993	-2.00	334+0.000	325.073	324.633	0.440	4.000	324.993	-2.00	4.268	324.591	-150.00
-4.154	325.368	-150.00	-4.000	325.600	-2.00	335+0.000	325.680	325.267	0.412	4.000	325.600	-2.00	4.296	325.156	-150.00
-4.156	325.599	-150.00	-4.000	325.833	-2.00	336+0.000	325.913	325.490	0.423	4.000	325.833	-2.00	4.297	325.387	-150.00
-4.149	325.749	-150.00	-4.000	325.973	-2.00	337+0.000	326.053	325.669	0.383	4.000	325.973	-2.00	4.247	325.603	-150.00
-4.159	325.984	-150.00	-4.000	326.223	-2.00	338+0.000	326.303	325.903	0.400	4.000	326.223	-2.00	4.269	325.818	-150.00
-4.199	326.284	-150.00	-4.000	326.582	-2.00	339+0.000	326.662	326.249	0.414	4.000	326.582	-2.00	4.241	326.222	-150.00
-4.154	326.821	-150.00	-4.000	327.052	-2.00	340+0.000	327.132	326.748	0.385	4.000	327.052	-2.00	4.225	326.715	-150.00
-4.143	327.437	-150.00	-4.000	327.651	-2.00	341+0.000	327.731	327.308	0.423	4.000	327.651	-2.00	4.284	327.224	-150.00
-4.178	328.359	-150.00	-4.000	328.627	-2.00	342+0.000	328.707	328.282	0.425	4.000	328.627	-2.00	4.282	328.203	-150.00
-4.166	329.133	-150.00	-4.000	329.382	-2.00	343+0.000	329.462	329.035	0.427	4.000	329.382	-2.00	4.298	328.935	-150.00
-4.184	330.012	-150.00	-4.000	330.288	-2.00	344+0.000	330.368	329.941	0.427	4.000	330.288	-2.00	4.281	329.867	-150.00
-4.187	330.913	-150.00	-4.000	331.193	-2.00	345+0.000	331.273	330.840	0.433	4.000	331.193	-2.00	4.285	330.766	-150.00
-4.198	331.798	-150.00	-4.000	332.095	-2.00	346+0.000	332.175	331.749	0.426	4.000	332.095	-2.00	4.263	331.700	-150.00
-4.216	332.633	-150.00	-4.000	332.957	-2.00	347+0.000	333.037	332.598	0.440	4.000	332.957	-2.00	4.282	332.534	-150.00
-4.062	333.244	-150.00	-4.000	333.338	-2.00	348+0.000	333.418	333.025	0.393	4.000	333.338	-2.00	4.350	332.813	-150.00
-4.060	333.888	-150.00	-4.000	333.979	-2.00	349+0.000	334.059	333.665	0.394	4.000	333.979	-2.00	4.369	333.425	-150.00
-4.027	334.006	-150.00	-4.000	334.046	-2.00	350+0.000	334.126	333.708	0.418	4.000	334.046	-2.00	4.444	333.381	-150.00
-4.031	333.642	-150.00	-4.000	333.689	-2.00	351+0.000	333.769	333.383	0.387	4.000	333.689	-2.00	4.393	333.100	-150.00
-4.017	332.829	-150.00	-4.000	332.854	-2.00	352+0.000	332.934	332.582	0.352	4.000	332.854	-2.00	4.360	332.315	-150.00
-4.017	332.003	66.67	-4.000	331.992	-2.00	353+0.000	332.072	331.743	0.328	4.000	331.992	-2.00	4.376	331.428	-150.00
-4.022	331.096	-150.00	-4.000	331.130	-2.00	354+0.000	331.210	330.790	0.419	4.000	331.130	-2.00	4.436	330.475	-150.00
-4.026	330.285	66.67	-4.000	330.267	-2.00	355+0.000	330.347	329.982	0.366	4.000	330.267	-2.00	4.413	329.648	-150.00
-4.116	329.661	66.67	-4.000	329.584	-2.00	356+0.000	329.664	329.284	0.380	4.000	329.584	-2.00	4.453	328.905	-150.00
-4.017	329.445	66.67	-4.000	329.433	-2.00	357+0.000	329.513	329.087	0.426	4.000	329.433	-2.00	4.498	328.686	-150.00
-4.014	329.261	-150.00	-4.000	329.283	-2.00	358+0.000	329.363	328.900	0.463	4.000	329.283	-2.00	4.527	328.493	-150.00
-4.024	329.096	-150.00	-4.000	329.132	-2.00	359+0.000	329.212	328.784	0.429	4.000	329.132	-2.00	4.438	328.476	-150.00
-4.013	328.844	-150.00	-4.000	328.863	-2.00	360+0.000	328.943	328.538	0.405	4.000	328.863	-2.00	4.422	328.231	-150.00
-4.022	328.566	66.67	-4.000	328.551	-2.00	361+0.000	328.631	328.239	0.392	4.000	328.551	-2.00	4.439	327.892	-150.00
-4.032	327.825	-150.00	-4.000	327.873	-2.00	362+0.000	327.953	327.601	0.352	4.000	327.873	-2.00	4.329	327.380	-150.00
-4.060	327.202	-150.00	-4.000	327.291	-2.00	363+0.000	327.371	327.007	0.364	4.000	327.291	-2.00	4.335	326.789	-150.00
-4.052	326.437	-150.00	-4.000	326.515	-2.00	364+0.000	326.595	326.228	0.367	4.000	326.515	-2.00	4.340	326.004	-150.00
-4.093	325.497	-150.00	-4.000	325.636	-2.00	365+0.000	325.716	325.307	0.409	4.000	325.636	-2.00	4.321	325.154	-150.00
-4.098	324.611	-150.00	-4.000	324.758	-2.00	366+0.000	324.838	324.464	0.373	4.000	324.758	-2.00	4.298	324.310	-150.00
-4.078	323.762	-150.00	-4.000	323.879	-2.00	367+0.000	323.959	323.613	0.346	4.000	323.879	-2.00	4.281	323.457	-150.00
-4.078	322.909	-150.00	-4.000	323.026	-2.00	368+0.000	323.106	322.761	0.344	4.000	323.026	-2.00	4.282	322.603	-150.00
-4.100	322.228	-150.00	-4.000	322.378	-2.00	369+0.000	322.458	322.093	0.365	4.000	322.378	-2.00	4.281	321.957	-150.00
-4.105	321.816	-150.00	-4.000	321.973	-2.00	370+0.000	322.053	321.684	0.370	4.000	321.973	-2.00	4.296	321.529	-150.00
-4.102	321.658	-150.00	-4.000	321.810	-2.00	371+0.000	321.890	321.541	0.349	4.000	321.810	-2.00	4.261	321.419	-150.00
-4.130	321.658	-150.00	-4.000	321.853	-2.00	372+0.000	321.933	321.543	0.390	4.000	321.853	-2.00	4.286	321.423	-150.00
-4.128	321.728	-150.00	-4.000	321.920	-2.00	373+0.000	322.000	321.613	0.387	4.000	321.920	-2.00	4.284	321.495	-150.00
-4.142	321.775	-150.00	-4.000	321.988	-2.00	374+0.000	322.068	321.673	0.394	4.000	321.988	-2.00	4.279	321.568	-150.00
-4.124	321.655	-150.00	-4.000	321.841	-2.00	375+0.000	321.921	321.551	0.370	4.000	321.841	-2.00	4.263	321.446	-150.00
-4.124	321.416	-150.00	-4.000	321.602	-2.00	376+0.000	321.682	321.323	0.359	4.000	321.602	-2.00	4.249	321.228	-150.00
-4.152	320.936	-150.00	-4.000	321.164	-2.00	377+0.000	321.244	320.872	0.372	4.000	321.164	-2.00	4.242	320.800	-150.00
-4.125	320.364	-150.00	-4.000	320.551	-2.00	378+0.000	320.631	320.312	0.319	4.000	320.551	-2.00	4.194	320.260	-150.00
-4.077	319.716	-150.00	-4.000	319.832	-2.00	379+0.000	319.912	319.700	0.212	4.000	319.832	-2.00	4.121	319.651	-150.00
-4.117	318.937	-150.00	-4.000	319.113	-2.00	380+0.000	319.193	318.932	0.261	4.000	319.113	-2.00	4.125	318.926	-150.00
-4.067	318.055	-150.00	-4.000	318.156	-2.00	381+0.000	318.236	318.069	0.167	4.000	318.156	-2.00	4.048	318.083	-150.00
-4.108	316.992	66.67	-4.000	316.921	-2.00	382+0.000	317.001	317.001	0.000	4.000	316.921	-2.00	4.133	317.009	66.67

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DEPRO
Secretaria das Cidades

SECRETARIA
DAS **CIDADES** - SECID

GOVERNO DO
PIAUÍ
AQUI TEM **TRABALHO**.
AQUI TEM **FUTURO**.

TRECHO 5: POÇO DO ANGICO

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
0+0,00	0,430	0,080	0.00	0,000	0,000	0,000	0,000
1+0,00	0,000	2,650	4.30	27,280	4,300	27,280	-22,980
2+0,00	0,000	2,990	0.00	56,350	4,300	83,630	-79,330
3+0,00	0,000	2,930	0.00	59,160	4,300	142,790	-138,490
4+0,00	0,000	2,940	0.00	58,690	4,300	201,480	-197,180
5+0,00	0,000	2,950	0.00	58,850	4,300	260,330	-256,030
6+0,00	0,000	3,300	0.00	62,420	4,300	322,750	-318,450
7+0,00	0,000	3,700	0.00	69,980	4,300	392,730	-388,430
8+0,00	0,000	2,890	0.00	65,840	4,300	458,570	-454,270
9+0,00	0,000	2,940	0.00	58,240	4,300	516,810	-512,510
10+0,00	0,000	3,070	0.00	60,020	4,300	576,830	-572,530
11+0,00	0,000	3,210	0.00	62,740	4,300	639,570	-635,270
12+0,00	0,000	2,600	0.00	58,110	4,300	697,690	-693,390
13+0,00	0,000	2,760	0.00	53,660	4,300	751,350	-747,050
14+0,00	0,000	2,770	0.00	55,350	4,300	806,690	-802,390
15+0,00	0,000	2,740	0.00	55,100	4,300	861,790	-857,490
16+0,00	0,000	2,660	0.00	53,990	4,300	915,780	-911,480
17+0,00	0,000	2,600	0.00	52,700	4,300	968,480	-964,180
18+0,00	0,000	2,690	0.00	53,040	4,300	1021,520	-1017,220
19+0,00	0,000	2,830	0.00	55,250	4,300	1076,770	-1072,470
20+0,00	0,000	2,820	0.00	56,390	4,300	1133,160	-1128,860
21+0,00	0,000	3,240	0.00	60,550	4,300	1193,710	-1189,410
22+0,00	0,000	4,220	0.00	74,510	4,300	1268,230	-1263,930
23+0,00	0,000	4,140	0.00	83,560	4,300	1351,790	-1347,490
24+0,00	0,000	4,270	0.00	84,070	4,300	1435,860	-1431,560
25+0,00	0,000	4,010	0.00	82,710	4,300	1518,570	-1514,270
26+0,00	0,000	3,930	0.00	79,300	4,300	1597,870	-1593,570
27+0,00	0,000	3,740	0.00	76,630	4,300	1674,500	-1670,200
28+0,00	0,000	2,930	0.00	66,660	4,300	1741,160	-1736,860
29+0,00	0,000	3,160	0.00	60,860	4,300	1802,020	-1797,720
30+0,00	0,000	3,110	0.00	62,700	4,300	1864,720	-1860,420
31+0,00	0,000	2,990	0.00	60,980	4,300	1925,700	-1921,400
32+0,00	0,000	3,140	0.00	61,230	4,300	1986,930	-1982,630
33+0,00	0,000	2,760	0.00	58,930	4,300	2045,860	-2041,560
34+0,00	0,000	3,030	0.00	57,870	4,300	2103,730	-2099,430
35+0,00	0,000	2,800	0.00	58,330	4,300	2162,060	-2157,760
36+0,00	0,000	2,760	0.00	55,580	4,300	2217,640	-2213,340
37+0,00	0,000	2,740	0.00	54,960	4,300	2272,600	-2268,300
38+0,00	0,000	2,700	0.00	54,390	4,300	2326,990	-2322,690
39+0,00	0,000	2,730	0.00	54,320	4,300	2381,300	-2377,000
40+0,00	0,000	2,240	0.00	49,700	4,300	2431,010	-2426,710
41+0,00	0,000	2,630	0.00	48,630	4,300	2479,640	-2475,340
42+0,00	0,000	2,730	0.00	53,550	4,300	2533,190	-2528,890
43+0,00	0,000	2,790	0.00	55,220	4,300	2588,400	-2584,100
44+0,00	0,000	2,890	0.00	56,910	4,300	2645,310	-2641,010
45+0,00	0,000	2,980	0.00	58,820	4,300	2704,130	-2699,830
46+0,00	0,000	2,970	0.00	59,500	4,300	2763,640	-2759,340
47+0,00	0,000	2,950	0.00	59,010	4,300	2822,640	-2818,340
48+0,00	0,000	3,230	0.00	61,730	4,300	2884,370	-2880,070
49+0,00	0,000	2,370	0.00	55,990	4,300	2940,360	-2936,060
50+0,00	0,000	2,920	0.00	52,930	4,300	2993,290	-2988,990
51+0,00	0,000	2,710	0.00	56,300	4,300	3049,590	-3045,290
52+0,00	0,000	2,500	0.00	52,110	4,300	3101,700	-3097,400
53+0,00	0,000	2,520	0.00	50,230	4,300	3151,930	-3147,630
54+0,00	0,000	2,700	0.00	52,190	4,300	3204,120	-3199,820

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
55+0,00	0,000	2,690	0.00	53,880	4,300	3257,990	-3253,690
56+0,00	0,000	2,830	0.00	55,230	4,300	3313,230	-3308,930
57+0,00	0,000	3,030	0.00	58,620	4,300	3371,850	-3367,550
58+0,00	0,000	2,940	0.00	59,510	4,300	3431,350	-3427,050
59+0,00	0,000	2,860	0.00	57,840	4,300	3489,190	-3484,890
60+0,00	0,000	3,050	0.00	59,020	4,300	3548,210	-3543,910
61+0,00	0,000	2,910	0.00	59,550	4,300	3607,750	-3603,450
62+0,00	0,000	2,890	0.00	58,030	4,300	3665,780	-3661,480
63+0,00	0,000	3,450	0.00	63,370	4,300	3729,150	-3724,850
64+0,00	0,000	3,080	0.00	65,270	4,300	3794,420	-3790,120
65+0,00	0,000	2,780	0.00	58,620	4,300	3853,040	-3848,740
66+0,00	0,000	2,860	0.00	56,350	4,300	3909,400	-3905,100
67+0,00	0,000	2,830	0.00	56,810	4,300	3966,210	-3961,910
68+0,00	0,000	2,990	0.00	58,100	4,300	4024,310	-4020,010
69+0,00	0,000	2,940	0.00	59,290	4,300	4083,590	-4079,290
70+0,00	0,000	2,820	0.00	57,620	4,300	4141,220	-4136,920
71+0,00	0,000	2,950	0.00	57,710	4,300	4198,920	-4194,620
72+0,00	0,000	2,760	0.00	57,100	4,300	4256,020	-4251,720
73+0,00	0,000	2,490	0.00	52,510	4,300	4308,530	-4304,230
74+0,00	0,000	2,400	0.00	48,930	4,300	4357,460	-4353,160
75+0,00	0,000	2,690	0.00	50,870	4,300	4408,320	-4404,020
76+0,00	0,000	2,600	0.00	52,870	4,300	4461,200	-4456,900
77+0,00	0,000	2,840	0.00	54,400	4,300	4515,600	-4511,300
78+0,00	0,000	2,970	0.00	58,140	4,300	4573,740	-4569,440
79+0,00	0,000	2,710	0.00	56,890	4,300	4630,630	-4626,330
80+0,00	0,000	2,780	0.00	54,900	4,300	4685,540	-4681,240
81+0,00	0,000	2,960	0.00	57,410	4,300	4742,950	-4738,650
82+0,00	0,000	2,850	0.00	58,060	4,300	4801,010	-4796,710
83+0,00	0,000	2,650	0.00	55,050	4,300	4856,060	-4851,760
84+0,00	0,000	3,420	0.00	60,720	4,300	4916,780	-4912,480
85+0,00	0,000	2,890	0.00	63,080	4,300	4979,850	-4975,550
86+0,00	0,000	2,800	0.00	56,890	4,300	5036,750	-5032,450
87+0,00	0,000	3,120	0.00	59,250	4,300	5096,000	-5091,700
88+0,00	0,000	3,500	0.00	66,220	4,300	5162,220	-5157,920
89+0,00	0,000	3,060	0.00	65,550	4,300	5227,770	-5223,470
90+0,00	0,000	2,770	0.00	58,230	4,300	5286,000	-5281,700
91+0,00	0,000	2,600	0.00	53,650	4,300	5339,650	-5335,360
92+0,00	0,000	2,640	0.00	52,420	4,300	5392,080	-5387,780
93+0,00	0,000	2,820	0.00	54,690	4,300	5446,760	-5442,460
94+0,00	0,000	2,720	0.00	55,380	4,300	5502,140	-5497,840
95+0,00	0,000	2,710	0.00	53,950	4,300	5556,080	-5551,780
96+0,00	0,000	2,890	0.00	55,880	4,300	5611,950	-5607,660
97+0,00	0,000	2,690	0.00	55,800	4,300	5667,760	-5663,460
98+0,00	0,000	2,690	0.00	53,840	4,300	5721,600	-5717,300
99+0,00	0,000	2,510	0.00	52,200	4,300	5773,800	-5769,500
100+0,00	0,000	2,430	0.00	49,820	4,300	5823,630	-5819,330
101+0,00	0,000	0,000	0.00	24,490	4,300	5848,110	-5843,810
102+0,00	0,000	2,990	0.00	30,170	4,300	5878,290	-5873,990
103+0,00	0,000	2,610	0.00	56,370	4,300	5934,650	-5930,350
104+0,00	0,000	2,440	0.00	50,570	4,300	5985,220	-5980,920
105+0,00	0,000	0,000	0.00	24,370	4,300	6009,580	-6005,280
106+0,00	0,000	2,100	0.00	20,980	4,300	6030,560	-6026,260
107+0,00	0,000	2,230	0.00	43,190	4,300	6073,750	-6069,450
108+0,00	0,000	2,210	0.00	44,380	4,300	6118,130	-6113,830
109+0,00	0,000	2,120	0.00	43,310	4,300	6161,440	-6157,140
110+0,00	0,000	2,170	0.00	42,850	4,300	6204,300	-6200,000
111+0,00	0,000	2,330	0.00	45,030	4,300	6249,330	-6245,020
112+0,00	0,000	2,470	0.00	48,010	4,300	6297,330	-6293,030
113+0,00	0,000	2,560	0.00	50,300	4,300	6347,640	-6343,340
114+0,00	0,000	2,640	0.00	51,930	4,300	6399,570	-6395,270
115+0,00	0,000	2,720	0.00	53,520	4,300	6453,080	-6448,780
116+0,00	0,000	2,700	0.00	54,000	4,300	6507,170	-6502,870
117+0,00	0,000	2,810	0.00	55,040	4,300	6562,210	-6557,910
118+0,00	0,000	2,630	0.00	54,350	4,300	6616,560	-6612,260

Osvaldo Loureiro da S[illegible] Filho
Diretor de [illegible]
Projetos e Obras - DUPEC
Secretaria [illegible]

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
119+0,00	0,000	2,650	0.00	52,770	4,300	6669,330	-6665,030
120+0,00	0,000	2,520	0.00	51,850	4,300	6721,180	-6716,880
121+0,00	0,000	2,290	0.00	48,380	4,300	6769,560	-6765,260
122+0,00	0,000	2,310	0.04	46,490	4,340	6816,050	-6811,710
123+0,00	0,120	1,760	1.18	41,410	5,520	6857,450	-6851,930
124+0,00	0,100	2,880	2.13	47,330	7,650	6904,790	-6897,140
125+0,00	0,000	2,710	1.01	56,620	8,660	6961,410	-6952,750
126+0,00	0,000	3,060	0.01	57,910	8,670	7019,320	-7010,650
127+0,00	0,000	3,080	0.02	61,370	8,690	7080,690	-7072,000
128+0,00	0,000	3,170	0.02	62,280	8,710	7142,970	-7134,260
129+0,00	0,000	2,830	0.00	59,530	8,710	7202,500	-7193,790
130+0,00	0,000	2,650	0.00	54,570	8,710	7257,180	-7248,470
131+0,00	0,000	2,060	0.00	46,990	8,710	7304,160	-7295,450
132+0,00	0,000	0,000	0.00	20,590	8,710	7324,750	-7316,040
133+0,00	0,000	2,910	0.00	29,070	8,710	7353,830	-7345,120
134+0,00	0,000	2,840	0.00	57,450	8,710	7411,280	-7402,570
135+0,00	0,000	2,680	0.00	55,170	8,710	7466,440	-7457,730
136+0,00	0,000	2,900	0.00	55,730	8,710	7522,170	-7513,460
137+0,00	0,000	2,910	0.00	58,020	8,710	7580,190	-7571,480
138+0,00	0,000	3,300	0.00	62,090	8,710	7642,280	-7633,580
139+0,00	0,000	3,420	0.00	67,180	8,710	7709,470	-7700,760
140+0,00	0,050	2,930	0.49	63,560	9,200	7773,030	-7763,830
141+0,00	0,120	2,290	1.73	52,480	10,930	7825,510	-7814,580
142+0,00	0,070	1,910	1.89	42,300	12,820	7867,810	-7854,990
143+0,00	0,150	2,550	2.17	44,780	14,990	7912,590	-7897,600
144+0,00	0,000	3,220	1.52	57,690	16,510	7970,280	-7953,770
145+0,00	0,060	2,930	0.57	61,390	17,070	8031,670	-8014,590
146+0,00	0,080	2,910	1.33	58,180	18,400	8089,850	-8071,450
147+0,00	0,120	2,710	2.00	56,090	20,400	8145,940	-8125,520
148+0,00	0,140	3,390	2.62	60,750	23,020	8206,690	-8183,650
149+0,00	0,160	3,310	2.99	67,030	26,010	8273,710	-8247,700
150+0,00	0,170	3,350	3.28	66,670	29,290	8340,370	-8311,080
151+0,00	0,160	3,200	3.24	65,710	32,530	8406,110	-8373,580
152+0,00	0,190	3,110	3.49	63,460	36,020	8469,570	-8433,550
153+0,00	0,170	2,970	3.61	61,180	39,630	8530,750	-8491,120
154+0,00	0,070	2,750	2.37	57,460	42,000	8588,210	-8546,210
155+0,00	0,010	2,850	0.78	56,020	42,780	8644,230	-8601,450
156+0,00	0,010	2,520	0.17	53,700	42,950	8697,930	-8654,980
157+0,00	0,000	2,320	0.06	48,310	43,000	8746,240	-8703,240
158+0,00	0,000	2,150	0.00	44,280	43,000	8790,520	-8747,520
159+0,00	0,000	1,870	0.00	39,900	43,000	8830,420	-8787,420
160+0,00	0,000	3,720	0.00	55,900	43,000	8886,320	-8843,320
161+0,00	0,000	1,900	0.00	56,190	43,000	8942,510	-8899,510
162+0,00	0,000	1,970	0.00	38,700	43,000	8981,210	-8938,210
163+0,00	0,000	2,980	0.00	49,520	43,000	9030,730	-8987,730
164+0,00	0,000	3,420	0.00	63,950	43,000	9094,680	-9051,680
165+0,00	0,000	3,030	0.00	64,510	43,000	9159,190	-9116,190
166+0,00	0,000	3,610	0.00	66,430	43,000	9225,620	-9182,620
167+0,00	0,000	3,800	0.00	74,120	43,000	9299,740	-9256,740
168+0,00	0,000	3,620	0.00	74,200	43,000	9373,940	-9330,940
169+0,00	0,000	3,330	0.00	69,370	43,000	9443,310	-9400,310
170+0,00	0,000	3,240	0.00	65,690	43,000	9509,000	-9466,000
171+0,00	0,000	3,580	0.00	68,200	43,000	9577,200	-9534,200
172+0,00	0,000	3,160	0.00	67,330	43,000	9644,530	-9601,530
173+0,00	0,000	3,110	0.00	62,700	43,000	9707,230	-9664,230
174+0,00	0,000	3,130	0.00	62,340	43,000	9769,570	-9726,570
175+0,00	0,000	4,640	0.00	77,700	43,000	9847,270	-9804,270
176+0,00	0,000	4,450	0.00	90,900	43,000	9938,170	-9895,170
177+0,00	0,000	4,610	0.00	90,590	43,000	10028,760	-9985,760
178+0,00	0,000	3,720	0.00	83,240	43,000	10112,100	-10069,100
179+0,00	0,000	2,590	0.00	63,170	43,000	10175,270	-10132,270
180+0,00	0,000	3,360	0.00	59,500	43,000	10234,770	-10191,770
181+0,00	0,000	3,270	0.00	65,210	43,000	10299,980	-10256,980
182+0,00	0,000	3,260	0.00	65,300	43,000	10365,280	-10322,280

Osvaldo Leôncio da Silveira
Diretor da Unidade de Projetos
Projetos e Obras - DUPRO
Secretaria de Infraestrutura

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
183+0,00	0,000	3,260	0.00	65,239	43,000	10431,570	-10388,570
184+0,00	0,000	3,100	0.00	63,600	43,000	10495,170	-10452,170
185+0,00	0,000	2,660	0.00	57,590	43,000	10552,770	-10509,770
186+0,00	0,000	2,960	0.00	56,270	43,000	10609,040	-10566,040
187+0,00	0,000	2,890	0.00	58,520	43,000	10667,560	-10624,560
188+0,00	0,000	3,000	0.00	58,890	43,000	10726,440	-10683,440
189+0,00	0,000	2,910	0.00	59,080	43,000	10785,520	-10742,520
190+0,00	0,000	2,960	0.00	58,690	43,000	10844,210	-10801,210
191+0,00	0,000	2,690	0.00	56,490	43,000	10900,710	-10857,710
192+0,00	0,000	2,610	0.00	52,920	43,000	10953,630	-10910,630
193+0,00	0,000	2,990	0.00	55,910	43,000	11009,570	-10966,570
194+0,00	0,000	3,050	0.00	60,360	43,000	11069,930	-11026,930
195+0,00	0,000	3,170	0.00	62,190	43,000	11132,120	-11089,120
196+0,00	0,000	2,820	0.00	59,890	43,000	11192,020	-11149,020
197+0,00	0,000	2,970	0.00	57,910	43,000	11249,930	-11206,930
198+0,00	0,000	2,820	0.00	57,950	43,000	11307,880	-11264,880
199+0,00	0,000	2,500	0.00	53,240	43,000	11361,120	-11318,120
200+0,00	0,000	2,830	0.00	53,270	43,000	11414,390	-11371,390
201+0,00	0,000	2,870	0.00	57,000	43,000	11471,390	-11428,390
202+0,00	0,000	2,780	0.00	56,560	43,000	11527,950	-11484,950
203+0,00	0,000	2,980	0.00	57,430	43,000	11585,370	-11542,370
204+0,00	0,000	2,860	0.00	58,160	43,000	11643,530	-11600,530
205+0,00	0,000	2,850	0.00	57,080	43,000	11700,610	-11657,610
206+0,00	0,000	3,190	0.00	60,295	43,000	11760,905	-11717,905
207+0,00	0,000	3,050	0.00	62,210	43,000	11823,115	-11780,115
208+0,00	0,000	3,430	0.00	64,810	43,000	11887,925	-11844,925
209+0,00	0,000	3,240	0.00	66,740	43,000	11954,665	-11911,665
210+0,00	0,000	2,850	0.00	60,900	43,000	12015,565	-11972,565
211+0,00	0,000	2,840	0.00	56,880	43,000	12072,445	-12029,445
212+0,00	0,000	3,170	0.00	60,070	43,000	12132,515	-12089,515
213+0,00	0,000	2,920	0.00	60,900	43,000	12193,415	-12150,415
214+0,00	0,000	3,000	0.00	59,200	43,000	12252,615	-12209,615
215+0,00	0,000	3,020	0.00	60,200	43,000	12312,815	-12269,815
216+0,00	0,000	3,020	0.00	60,400	43,000	12373,215	-12330,215
217+0,00	0,000	3,330	0.00	63,500	43,000	12436,715	-12393,715
218+0,00	0,000	3,000	0.00	63,300	43,000	12500,015	-12457,015
219+0,00	0,000	2,130	0.00	51,250	43,000	12551,265	-12508,265
220+0,00	0,000	1,730	0.00	38,590	43,000	12589,855	-12546,855
221+0,00	0,000	1,999	0.00	37,130	43,000	12626,985	-12583,985
222+0,00	0,000	2,800	0.00	47,990	43,000	12674,975	-12631,975
223+0,00	0,000	3,240	0.00	60,400	43,000	12735,375	-12692,375
224+0,00	0,000	4,020	0.00	72,600	43,000	12807,975	-12764,975
225+0,00	0,000	2,870	0.00	69,450	43,000	12877,425	-12834,425
226+0,00	0,000	3,210	0.00	60,810	43,000	12938,235	-12895,235
227+0,00	0,000	5,350	0.00	85,610	43,000	13023,845	-12980,845
228+0,00	0,000	3,100	0.00	84,500	43,000	13108,345	-13065,345
229+0,00	0,000	3,180	0.00	62,800	43,000	13171,145	-13128,145
230+0,00	0,000	3,290	0.00	64,700	43,000	13235,845	-13192,845
231+0,00	0,000	2,190	0.00	54,800	43,000	13290,645	-13247,645
232+0,00	0,000	1,960	0.00	41,500	43,000	13332,145	-13289,145
233+0,00	0,000	3,570	0.00	55,300	43,000	13387,445	-13344,445
234+0,00	0,000	2,540	0.00	61,050	43,000	13448,495	-13405,495
235+0,00	0,000	3,140	0.00	56,800	43,000	13505,295	-13462,295
236+0,00	0,000	2,870	0.00	60,050	43,000	13565,345	-13522,345
237+0,00	0,000	2,890	0.00	57,600	43,000	13622,945	-13579,945
238+0,00	0,000	2,820	0.00	57,100	43,000	13680,045	-13637,045
239+0,00	0,000	2,720	0.00	55,370	43,000	13735,415	-13692,415
240+0,00	0,000	2,920	0.00	56,360	43,000	13791,775	-13748,775
241+0,00	0,000	3,140	0.00	60,600	43,000	13852,375	-13809,375
242+0,00	0,000	3,170	0.00	63,050	43,000	13915,425	-13872,425
243+0,00	0,000	3,380	0.00	65,380	43,000	13980,805	-13937,805
244+0,00	0,000	3,240	0.00	66,100	43,000	14046,905	-14003,905
245+0,00	0,000	3,150	0.00	63,900	43,000	14110,805	-14067,805
246+0,00	0,000	2,950	0.00	61,000	43,000	14171,805	-14128,805

Ricardo Leôncio da Silva Neto
Diretoria de Gestão de Programas
Projetos e Obras - DUPPO
Secretaria de Estado (Secid)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
247+0,00	0,000	2,960	0.00	59,020	43,000	14229,930	-14186,930
248+0,00	0,000	2,900	0.00	58,600	43,000	14288,520	-14245,520
249+0,00	0,000	2,930	0.00	58,300	43,000	14346,880	-14303,880
250+0,00	0,000	2,630	0.00	55,730	43,000	14402,610	-14359,610
251+0,00	0,000	2,870	0.00	55,000	43,000	14457,670	-14414,670
252+0,00	0,000	2,600	0.00	54,700	43,000	14512,370	-14469,370
253+0,00	0,000	2,830	0.00	54,270	43,000	14566,640	-14523,640
254+0,00	0,000	3,090	0.00	59,140	43,000	14625,780	-14582,780
255+0,00	0,000	3,390	0.00	64,800	43,000	14690,580	-14647,580
256+0,00	0,000	2,840	0.00	62,290	43,000	14752,870	-14709,870
257+0,00	0,000	2,810	0.00	56,440	43,000	14809,310	-14766,310
258+0,00	0,000	2,830	0.00	56,330	43,000	14865,640	-14822,640
259+0,00	0,000	2,810	0.00	56,450	43,000	14922,090	-14879,090
260+0,00	0,000	2,740	0.00	55,580	43,000	14977,670	-14934,670
261+0,00	0,000	3,260	0.00	60,070	43,000	15037,740	-14994,740
262+0,00	0,000	3,300	0.00	65,720	43,000	15103,460	-15060,460
263+0,00	0,000	2,940	0.00	62,550	43,000	15166,010	-15123,010
264+0,00	0,000	3,020	0.00	59,740	43,000	15225,750	-15182,750
265+0,00	0,000	2,960	0.00	59,840	43,000	15285,580	-15242,580
266+0,00	0,000	3,270	0.00	62,270	43,000	15347,850	-15304,850
267+0,00	0,000	3,100	0.00	63,670	43,000	15411,420	-15368,420
268+0,00	0,000	2,780	0.00	58,710	43,000	15470,130	-15427,130
269+0,00	0,000	2,860	0.00	56,170	43,000	15526,290	-15483,290
270+0,00	0,000	2,230	0.00	50,550	43,000	15576,840	-15533,840
271+0,00	0,000	1,910	0.00	41,300	43,000	15618,130	-15575,130
272+0,00	0,000	1,970	0.00	38,800	43,000	15656,930	-15613,930
273+0,00	0,000	3,080	0.00	50,550	43,000	15707,490	-15664,490
274+0,00	0,000	2,330	0.00	54,170	43,000	15761,660	-15718,660
275+0,00	0,000	2,210	0.00	45,460	43,000	15807,110	-15764,110
276+0,00	0,000	2,720	0.00	49,350	43,000	15856,460	-15813,460
277+0,00	0,000	2,490	0.00	51,210	43,000	15907,680	-15864,680
278+0,00	0,000	3,440	0.00	59,310	43,000	15966,990	-15923,990
279+0,00	0,000	2,900	0.00	63,390	43,000	16030,380	-15987,380
280+0,00	0,000	3,010	0.00	59,100	43,000	16089,480	-16046,480
281+0,00	0,000	2,750	0.00	57,600	43,000	16147,080	-16104,080
282+0,00	0,000	2,600	0.00	53,550	43,000	16200,630	-16157,630
283+0,00	0,000	2,610	0.00	52,130	43,000	16252,760	-16209,760
284+0,00	0,000	2,920	0.00	55,300	43,000	16308,060	-16265,060
285+0,00	0,000	2,940	0.00	58,620	43,000	16366,680	-16323,680
286+0,00	0,000	2,780	0.00	57,130	43,000	16423,810	-16380,810
287+0,00	0,000	2,510	0.00	52,820	43,000	16476,630	-16433,630
288+0,00	0,000	2,400	0.00	49,060	43,000	16525,690	-16482,690
289+0,00	0,000	2,540	0.00	49,370	43,000	16575,060	-16532,060
290+0,00	0,000	2,600	0.00	51,310	43,000	16626,370	-16583,370
291+0,00	0,000	2,540	0.00	51,350	43,000	16677,720	-16634,720
292+0,00	0,000	2,690	0.00	52,300	43,000	16730,020	-16687,020
293+0,00	0,000	2,920	0.00	56,130	43,000	16786,150	-16743,150
294+0,00	0,000	2,850	0.00	57,730	43,000	16843,880	-16800,880
295+0,00	0,000	2,690	0.00	55,430	43,000	16899,310	-16856,310
296+0,00	0,000	2,780	0.00	54,700	43,000	16954,010	-16911,010
297+0,00	0,000	3,040	0.00	58,190	43,000	17012,200	-16969,200
298+0,00	0,000	3,140	0.00	61,800	43,000	17074,000	-17031,000
299+0,00	0,000	2,860	0.00	60,000	43,000	17134,000	-17091,000
300+0,00	0,000	2,340	0.00	52,000	43,000	17186,000	-17143,000
301+0,00	0,000	2,710	0.00	50,500	43,000	17236,500	-17193,500
302+0,00	0,000	2,640	0.00	53,500	43,000	17290,000	-17247,000
303+0,00	0,000	2,580	0.00	52,200	43,000	17342,200	-17299,200
304+0,00	0,000	2,690	0.00	51,900	43,000	17394,100	-17351,100
305+0,00	0,000	2,590	0.00	52,800	43,000	17446,900	-17403,900
306+0,00	0,000	2,500	0.00	51,000	43,000	17497,900	-17454,900
307+0,00	0,000	2,250	0.00	47,500	43,000	17545,400	-17502,400
308+0,00	0,000	2,650	0.00	49,000	43,000	17594,400	-17551,400
309+0,00	0,000	2,690	0.00	53,400	43,000	17647,800	-17604,800
310+0,00	0,000	1,870	0.00	45,600	43,000	17693,400	-17650,400

Osvaldo Leôncio da Silva Filho
Diretor da Diretoria de Engenharia
Projetos e Obras - DEPRO
Secretaria de Infraestrutura

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
311+0,00	0,000	1,950	0,00	38,140	43,000	17730,670	-17687,670
312+0,00	0,000	2,690	0,00	46,410	43,000	17777,090	-17734,090
313+0,00	0,000	2,770	0,00	54,710	43,000	17831,800	-17788,800
314+0,00	0,000	2,690	0,00	54,700	43,000	17885,500	-17843,500
315+0,00	0,000	2,760	0,00	54,570	43,000	17941,070	-17898,070
316+0,00	0,000	2,700	0,00	54,530	43,000	17995,600	-17952,600
317+0,00	0,000	2,520	0,00	52,000	43,000	18047,600	-18004,600
318+0,00	0,000	2,620	0,00	51,250	43,000	18098,850	-18055,850
319+0,00	0,000	2,650	0,00	52,450	43,000	18151,300	-18108,300
320+0,00	0,000	2,700	0,00	53,750	43,000	18205,050	-18162,050
321+0,00	0,000	2,770	0,00	55,070	43,000	18260,120	-18217,120
322+0,00	0,000	2,850	0,00	56,170	43,000	18316,290	-18273,290
323+0,00	0,000	3,330	0,00	61,810	43,000	18378,100	-18335,100
324+0,00	0,000	2,600	0,00	59,560	43,000	18436,650	-18393,650
325+0,00	0,000	3,110	0,00	56,480	43,000	18493,140	-18450,140
326+0,00	0,000	2,970	0,00	60,970	43,000	18554,010	-18511,010
327+0,00	0,000	4,020	0,00	69,980	43,000	18623,990	-18580,980
328+0,00	0,000	3,820	0,00	78,440	43,000	18702,430	-18659,430
329+0,00	0,000	3,490	0,00	73,090	43,000	18775,519	-18732,510
330+0,00	0,000	3,150	0,00	66,380	43,000	18841,890	-18798,890
331+0,00	0,000	3,120	0,00	62,730	43,000	18904,630	-18861,630
332+0,00	0,000	2,980	0,00	60,990	43,000	18965,610	-18922,610
333+0,00	0,000	3,190	0,00	61,710	43,000	19027,320	-18984,320
334+0,00	0,000	3,290	0,00	64,580	43,000	19091,900	-19048,920
335+0,00	0,000	3,070	0,00	63,010	43,000	19154,930	-19111,930
336+0,00	0,000	3,140	0,00	61,930	43,000	19216,860	-19173,860
337+0,00	0,000	2,790	0,00	59,430	43,000	19276,290	-19233,290
338+0,00	0,000	2,950	0,00	57,460	43,000	19333,750	-19290,750
339+0,00	0,000	3,050	0,00	60,000	43,000	19393,810	-19350,810
340+0,00	0,000	2,760	0,00	58,070	43,000	19451,870	-19408,870
341+0,00	0,000	3,100	0,00	58,560	43,000	19510,430	-19467,430
342+0,00	0,000	3,160	0,00	62,650	43,000	19573,080	-19530,080
343+0,00	0,000	3,180	0,00	63,400	43,000	19636,570	-19593,570
344+0,00	0,000	3,180	0,00	63,700	43,000	19700,300	-19657,300
345+0,00	0,000	3,220	0,00	64,010	43,000	19764,510	-19721,510
346+0,00	0,000	3,170	0,00	64,030	43,000	19828,540	-19785,540
347+0,00	0,000	3,300	0,00	64,690	43,000	19893,230	-19850,230
348+0,00	0,000	2,910	0,00	62,140	43,000	19955,370	-19912,370
349+0,00	0,000	2,930	0,00	59,330	43,000	20013,700	-19970,700
350+0,00	0,000	3,160	0,00	60,290	43,000	20073,990	-20030,990
351+0,00	0,000	2,890	0,00	59,950	43,000	20132,950	-20089,950
352+0,00	0,000	0,000	0,00	28,580	43,000	20161,620	-20118,620
353+0,00	0,000	2,460	0,01	24,500	43,010	20187,120	-20144,120
354+0,00	0,000	3,130	0,01	56,800	43,020	20243,920	-20199,910
355+0,00	0,000	2,730	0,01	58,590	43,030	20301,520	-20258,490
356+0,00	0,020	2,800	0,25	55,830	43,290	20357,350	-20314,070
357+0,00	0,000	3,270	0,24	61,210	43,530	20418,560	-20375,040
358+0,00	0,000	3,530	0,01	68,430	43,530	20486,990	-20443,460
359+0,00	0,000	3,220	0,00	67,980	43,530	20554,970	-20511,440
360+0,00	0,000	3,020	0,00	62,390	43,530	20617,360	-20573,830
361+0,00	0,000	2,900	0,01	59,230	43,540	20676,590	-20633,050
362+0,00	0,000	2,660	0,01	55,170	43,540	20732,240	-20688,700
363+0,00	0,000	2,600	0,00	52,510	43,540	20784,750	-20741,210
364+0,00	0,000	2,700	0,00	53,000	43,540	20836,580	-20793,120
365+0,00	0,000	2,970	0,00	56,660	43,540	20893,320	-20849,780
366+0,00	0,000	2,740	0,00	57,070	43,540	20950,390	-20906,850
367+0,00	0,000	2,510	0,00	52,550	43,540	21002,940	-20959,400
368+0,00	0,000	2,500	0,00	50,140	43,540	21053,080	-21009,540
369+0,00	0,000	2,560	0,00	51,770	43,540	21104,850	-21061,310
370+0,00	0,000	2,720	0,00	54,080	43,540	21158,930	-21115,390
371+0,00	0,000	2,530	0,00	52,700	43,540	21211,630	-21168,090
372+0,00	0,000	2,870	0,00	54,210	43,540	21265,840	-21222,300
373+0,00	0,000	2,950	0,00	57,190	43,540	21323,030	-21279,490
374+0,00	0,000	2,910	0,00	57,600	43,540	21380,630	-21337,090

Osvaldo Leoncio da S... Filho
Diretor da Unidade de P... Projetos e Obras - DUPRO
Secretaria das Cidade...

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
375+0,00	0,000	2,700	0.00	51,966	43,540	21438,480	-21394,940
376+0,00	0,000	2,610	0.00	52,970	43,540	2149[illegible]450	-21447,910
377+0,00	0,000	2,720	0.00	53,160	43,540	21544,620	-21501,080
378+0,00	0,000	2,270	0.00	46,530	43,540	21594,440	-21550,900
379+0,00	0,000	1,450	0.00	37,180	43,540	21631,620	-21588,080
380+0,00	0,000	1,790	0.00	32,270	43,540	21664,000	-21620,460
381+0,00	0,000	1,020	0.00	28,080	43,540	21692,080	-21648,540
382+0,00	0,330	0,000	3.30	10,180	46,840	21702,260	-21655,420

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - SUPPO
Secretaria das Cidades (Secid)

14.6 TRECHO VI

Rua Acésio do Rêgo Monteiro, nº 1515
Ed. Antonio Portela Barbosa
Bairro Ininga • CEP: 64052-860
Teresina • Piauí • Brasil

www.pi.gov.br
cidades@cidades.pi.gov.br

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Estudos
Projetos e Obras
Secretaria das Cidades

Nota de Serviço Tabela

TRECHO 6 0+0.000 1755+15.000

Lado Esquerdo						Eixo				Lado Direito					
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)
-4.142	385.443	66.67	-4.000	385.349	-2.00	0+0.000	385.429	385.429	0.000	4.000	385.349	-2.00	4.098	385.414	66.67
-4.055	385.705	-150.00	-4.000	385.787	-2.00	1+0.000	385.867	385.657	0.210	4.000	385.787	-2.00	4.119	385.609	-150.00
-4.147	386.006	-150.00	-4.000	386.226	-2.00	2+0.000	386.306	385.957	0.349	4.000	386.226	-2.00	4.212	385.908	-150.00
-4.199	386.431	-150.00	-4.000	386.729	-2.00	3+0.000	386.809	386.417	0.392	4.000	386.729	-2.00	4.217	386.403	-150.00
-4.206	386.959	-150.00	-4.000	387.268	-2.00	4+0.000	387.348	386.945	0.402	4.000	387.268	-2.00	4.224	386.932	-150.00
-4.243	387.443	-150.00	-4.000	387.806	-2.00	5+0.000	387.886	387.450	0.437	4.000	387.806	-2.00	4.234	387.456	-150.00
-4.255	387.963	-150.00	-4.000	388.345	-2.00	6+0.000	388.425	387.970	0.455	4.000	388.345	-2.00	4.245	387.977	-150.00
-4.239	388.468	-150.00	-4.000	388.826	-2.00	7+0.000	388.906	388.501	0.405	4.000	388.826	-2.00	4.229	388.483	-150.00
-4.314	388.525	-150.00	-4.000	388.996	-2.00	8+0.000	389.076	388.563	0.513	4.000	388.996	-2.00	4.264	388.601	-150.00
-4.326	388.818	-150.00	-4.000	389.307	-2.00	9+0.000	389.387	388.830	0.557	4.000	389.307	-2.00	4.310	388.842	-150.00
-4.523	389.010	-150.00	-4.000	389.794	-2.00	10+0.000	389.874	389.018	0.856	4.000	389.794	-2.00	4.512	389.027	-150.00
-4.552	389.454	-150.00	-4.000	390.282	-2.00	11+0.000	390.362	389.461	0.901	4.000	390.282	-2.00	4.544	389.466	-150.00
-4.530	389.974	-150.00	-4.000	390.769	-2.00	12+0.000	390.849	389.960	0.889	4.000	390.769	-2.00	4.549	389.946	-150.00
-4.461	390.565	-150.00	-4.000	391.257	-2.00	13+0.000	391.337	390.551	0.786	4.000	391.257	-2.00	4.478	390.540	-150.00
-4.359	391.206	-150.00	-4.000	391.744	-2.00	14+0.000	391.824	391.229	0.595	4.000	391.744	-2.00	4.328	391.252	-150.00
-4.239	391.873	-150.00	-4.000	392.232	-2.00	15+0.000	392.312	391.895	0.417	4.000	392.232	-2.00	4.211	391.915	-150.00
-4.174	392.458	-150.00	-4.000	392.719	-2.00	16+0.000	392.799	392.500	0.300	4.000	392.719	-2.00	4.121	392.538	-150.00
-4.232	392.852	-150.00	-4.000	393.200	-2.00	17+0.000	393.280	392.895	0.385	4.000	393.200	-2.00	4.175	392.937	-150.00
-4.219	393.079	-150.00	-4.000	393.408	-2.00	18+0.000	393.488	393.076	0.412	4.000	393.408	-2.00	4.204	393.102	-150.00
-4.105	393.160	-150.00	-4.000	393.317	-2.00	19+0.000	393.397	393.157	0.240	4.000	393.317	-2.00	4.109	393.154	-150.00
-4.181	392.940	-150.00	-4.000	393.212	-2.00	20+0.000	393.292	392.925	0.367	4.000	393.212	-2.00	4.200	392.912	-150.00
-4.244	392.888	-150.00	-4.000	393.254	-2.00	21+0.000	393.334	392.827	0.506	4.000	393.254	-2.00	4.325	392.766	-150.00
-4.325	392.892	-150.00	-4.000	393.379	-2.00	22+0.000	393.459	392.887	0.572	4.000	393.379	-2.00	4.333	392.880	-150.00
-4.308	393.042	-150.00	-4.000	393.504	-2.00	23+0.000	393.584	393.020	0.564	4.000	393.504	-2.00	4.338	392.997	-150.00
-4.309	393.165	-150.00	-4.000	393.629	-2.00	24+0.000	393.709	393.174	0.535	4.000	393.629	-2.00	4.298	393.182	-150.00
-4.238	393.397	-150.00	-4.000	393.754	-2.00	25+0.000	393.834	393.402	0.431	4.000	393.754	-2.00	4.227	393.413	-150.00
-4.247	393.462	-150.00	-4.000	393.833	-2.00	26+0.000	393.913	393.529	0.384	4.000	393.833	-2.00	4.158	393.596	-150.00
-4.221	393.547	-150.00	-4.000	393.878	-2.00	27+0.000	393.958	393.615	0.343	4.000	393.878	-2.00	4.138	393.672	-150.00
-4.237	393.682	-150.00	-4.000	394.037	-2.00	28+0.000	394.117	393.713	0.404	4.000	394.037	-2.00	4.195	393.744	-150.00
-4.274	393.705	-150.00	-4.000	394.116	-2.00	29+0.000	394.196	393.796	0.400	4.000	394.116	-2.00	4.165	393.868	-150.00
-4.265	393.382	-150.00	-4.000	393.780	-2.00	30+0.000	393.860	393.466	0.394	4.000	393.780	-2.00	4.155	393.548	-150.00
-4.247	393.074	-150.00	-4.000	393.444	-2.00	31+0.000	393.524	393.130	0.394	4.000	393.444	-2.00	4.165	393.196	-150.00
-4.193	392.826	-150.00	-4.000	393.116	-2.00	32+0.000	393.196	392.888	0.307	4.000	393.116	-2.00	4.117	392.940	-150.00
-4.223	392.453	-150.00	-4.000	392.787	-2.00	33+0.000	392.867	392.498	0.369	4.000	392.787	-2.00	4.163	392.542	-150.00
-4.172	392.321	-150.00	-4.000	392.579	-2.00	34+0.000	392.659	392.319	0.341	4.000	392.579	-2.00	4.175	392.316	-150.00
-4.187	392.160	-150.00	-4.000	392.440	-2.00	35+0.000	392.520	392.157	0.364	4.000	392.440	-2.00	4.207	392.130	-150.00
-4.174	392.049	-150.00	-4.000	392.311	-2.00	36+0.000	392.391	391.996	0.395	4.000	392.311	-2.00	4.245	391.944	-150.00
-4.172	392.046	-150.00	-4.000	392.304	-2.00	37+0.000	392.384	391.981	0.403	4.000	392.304	-2.00	4.259	391.915	-150.00
-4.141	392.058	-150.00	-4.000	392.270	-2.00	38+0.000	392.350	391.950	0.400	4.000	392.270	-2.00	4.288	391.838	-150.00
-4.155	391.851	-150.00	-4.000	392.084	-2.00	39+0.000	392.164	391.770	0.393	4.000	392.084	-2.00	4.264	391.687	-150.00
-4.155	391.677	-150.00	-4.000	391.909	-2.00	40+0.000	391.989	391.592	0.398	4.000	391.909	-2.00	4.272	391.501	-150.00
-4.162	391.303	-150.00	-4.000	391.545	-2.00	41+0.000	391.625	391.223	0.402	4.000	391.545	-2.00	4.272	391.137	-150.00
-4.151	390.944	-150.00	-4.000	391.170	-2.00	42+0.000	391.250	390.853	0.397	4.000	391.170	-2.00	4.273	390.760	-150.00
-4.162	390.647	-150.00	-4.000	390.891	-2.00	43+0.000	390.971	390.577	0.394	4.000	390.891	-2.00	4.258	390.504	-150.00
-4.158	390.613	-150.00	-4.000	390.849	-2.00	44+0.000	390.929	390.534	0.395	4.000	390.849	-2.00	4.264	390.453	-150.00
-4.178	390.625	-150.00	-4.000	390.892	-2.00	45+0.000	390.972	390.570	0.402	4.000	390.892	-2.00	4.252	390.514	-150.00
-4.204	390.748	-150.00	-4.000	391.054	-2.00	46+0.000	391.134	390.683	0.451	4.000	391.054	-2.00	4.292	390.617	-150.00
-4.195	390.968	-150.00	-4.000	391.261	-2.00	47+0.000	391.341	390.890	0.451	4.000	391.261	-2.00	4.300	390.811	-150.00
-4.195	391.155	-150.00	-4.000	391.447	-2.00	48+0.000	391.527	391.131	0.396	4.000	391.447	-2.00	4.250	391.072	-150.00
-4.158	391.102	-150.00	-4.000	391.339	-2.00	49+0.000	391.419	391.055	0.363	4.000	391.339	-2.00	4.223	391.004	-150.00
-4.173	390.895	-150.00	-4.000	391.154	-2.00	50+0.000	391.234	390.826	0.408	4.000	391.154	-2.00	4.265	390.756	-150.00
-4.189	390.461	-150.00	-4.000	390.745	-2.00	51+0.000	390.825	390.417	0.408	4.000	390.745	-2.00	4.257	390.359	-150.00
-4.260	389.966	-150.00	-4.000	390.357	-2.00	52+0.000	390.437	389.907	0.530	4.000	390.357	-2.00	4.340	389.847	-150.00
-4.322	389.485	-150.00	-4.000	389.969	-2.00	53+0.000	390.049	389.418	0.631	4.000	389.969	-2.00	4.413	389.349	-150.00
-4.357	389.045	-150.00	-4.000	389.580	-2.00	54+0.000	389.660	388.998	0.663	4.000	389.580	-2.00	4.435	388.928	-150.00
-4.348	388.670	-150.00	-4.000	389.192	-2.00	55+0.000	389.272	388.612	0.661	4.000	389.192	-2.00	4.425	388.554	-150.00
-4.248	388.443	-150.00	-4.000	388.814	-2.00	56+0.000	388.894	388.383	0.510	4.000	388.814	-2.00	4.327	388.323	-150.00
-4.182	388.266	-150.00	-4.000	388.539	-2.00	57+0.000	388.619	388.229	0.390	4.000	388.539	-2.00	4.240	388.179	-150.00
-4.182	388.120	-150.00	-4.000	388.393	-2.00	58+0.000	388.473	388.088	0.385	4.000	388.393	-2.00	4.224	388.058	-150.00
-4.193	388.070	-150.00	-4.000	388.359	-2.00	59+0.000	388.439	388.054	0.385	4.000	388.359	-2.00	4.214	388.039	-150.00
-4.177	388.075	-150.00	-4.000	388.341	-2.00	60+0.000	388.421	388.063	0.358	4.000	388.341	-2.00	4.194	388.050	-150.00
-4.166	388.074	-150.00	-4.000	388.323	-2.00	61+0.000	388.403	388.074	0.329	4.000	388.323	-2.00	4.166	388.074	-150.00
-4.166	388.056	-150.00	-4.000	388.305	-2.00	62+0.000	388.385	388.059	0.326	4.000	388.305	-2.00	4.161	388.063	-150.00
-4.170	388.032	-150.00	-4.000	388.287	-2.00	63+0.000	388.367	388.036	0.331	4.000	388.287	-2.00	4.165	388.040	-150.00
-4.171	388.011	-150.00	-4.000	388.268	-2.00	64+0.000	388.348	387.999	0.349	4.000	388.268	-2.00	4.187	387.988	-150.00
-4.212	387.931	-150.00	-4.000	388.248	-2.00	65+0.000	388.328	387.923	0.405	4.000	388.248	-2.00	4.222	387.915	-150.00
-4.197	387.729	-150.00	-4.000	388.024	-2.00	66+0.000	388.104	387.709	0.396	4.000	388.024	-2.00	4.224	387.688	-150.00
-4.213	387.449	-150.00	-4.000	387.769	-2.00	67+0.000	387.849	387.452	0.397	4.000	387.769	-2.00	4.210	387.453	-150.00
-4.281	387.128	-150.00	-4.000	387.550	-2.00	68+0.000	387.630	387.128	0.502	4.000	387.550	-2.00	4.275	387.138	-150.00
-4.356	386.798	-150.00	-4.000	387.332	-2.00	69+0.000	387.412	386.815	0.596	4.000	387.332	-2.00	4.333	386.833	-150.00
-4.396	386.520	-150.00	-4.000	387.113	-2.00	70+0.000	387.193	386.543	0.650	4.000	387.113	-2.00	4.364	386.567	-150.00
-4.388	386.313	-150.00	-4.000	386.895	-2.00	71+0.000	386.975	386.348	0.627	4.000	386.895	-2.00	4.345	386.378	-150.00
-4.369	386.122	-150.00	-4.000	386.677	-2.00	72+0.000	386.757	386.165	0.591	4.000	386.677	-2.00	4.313	386.208	-150.00
-4.315	385.986	-150.00	-4.000	386.458	-2.00	73+0.000	386.538	386.038	0.500	4.000	386.458	-2.00	4.246	386.090	-150.00

Osvaldo Leôncio da [illegible] Filho
Diretor da Unidade de [illegible] gramas
Projetos e Obras - UPPO
Secretaria das [illegible]

-4.263	385.846	-150.00	-4.000	386.240	-2.00	74+0.000	386.320	385.899	0.420	4.000	386.240	-2.00	4.195	385.947	-150.00
-4.221	385.675	-150.00	-4.000	386.007	-2.00	75+0.000	386.087	385.688	0.399	4.000	386.007	-2.00	4.203	385.703	-150.00
-4.234	385.390	-150.00	-4.000	385.741	-2.00	76+0.000	385.821	385.400	0.421	4.000	385.741	-2.00	4.221	385.409	-150.00
-4.231	385.128	-150.00	-4.000	385.474	-2.00	77+0.000	385.554	385.134	0.420	4.000	385.474	-2.00	4.223	385.140	-150.00
-4.210	384.890	-150.00	-4.000	385.206	-2.00	78+0.000	385.286	384.886	0.400	4.000	385.206	-2.00	4.232	384.858	-150.00
-4.193	384.568	-150.00	-4.000	384.857	-2.00	79+0.000	384.937	384.519	0.418	4.000	384.857	-2.00	4.239	384.498	-150.00
-4.192	384.214	-150.00	-4.000	384.502	-2.00	80+0.000	384.582	384.166	0.417	4.000	384.502	-2.00	4.257	384.117	-150.00
-4.176	383.902	-150.00	-4.000	384.166	-2.00	81+0.000	384.246	383.850	0.396	4.000	384.166	-2.00	4.234	383.815	-150.00
-4.196	383.639	-150.00	-4.000	383.933	-2.00	82+0.000	384.013	383.595	0.418	4.000	383.933	-2.00	4.254	383.552	-150.00
-4.178	383.379	-150.00	-4.000	383.646	-2.00	83+0.000	383.726	383.325	0.401	4.000	383.646	-2.00	4.250	383.271	-150.00
-4.168	383.066	-150.00	-4.000	383.317	-2.00	84+0.000	383.397	383.000	0.397	4.000	383.317	-2.00	4.203	383.012	-150.00
-4.209	383.136	-150.00	-4.000	383.449	-2.00	85+0.000	383.529	383.126	0.403	4.000	383.449	-2.00	4.222	383.117	-150.00
-4.224	383.164	-150.00	-4.000	383.500	-2.00	86+0.000	383.580	383.181	0.399	4.000	383.500	-2.00	4.201	383.198	-150.00
-4.242	383.075	-150.00	-4.000	383.439	-2.00	87+0.000	383.519	383.124	0.394	4.000	383.439	-2.00	4.177	383.173	-150.00
-4.250	383.086	-150.00	-4.000	383.461	-2.00	88+0.000	383.541	383.136	0.404	4.000	383.461	-2.00	4.183	383.186	-150.00
-4.266	383.069	-150.00	-4.000	383.468	-2.00	89+0.000	383.548	383.105	0.443	4.000	383.468	-2.00	4.219	383.140	-150.00
-4.284	383.049	-150.00	-4.000	383.475	-2.00	90+0.000	383.555	383.050	0.505	4.000	383.475	-2.00	4.278	383.058	-150.00
-4.213	383.163	-150.00	-4.000	383.482	-2.00	91+0.000	383.562	383.167	0.395	4.000	383.482	-2.00	4.237	383.127	-150.00
-4.177	383.250	-150.00	-4.000	383.515	-2.00	92+0.000	383.595	383.198	0.398	4.000	383.515	-2.00	4.247	383.145	-150.00
-4.179	383.382	-150.00	-4.000	383.651	-2.00	93+0.000	383.731	383.330	0.401	4.000	383.651	-2.00	4.249	383.277	-150.00
-4.192	383.574	-150.00	-4.000	383.862	-2.00	94+0.000	383.942	383.522	0.420	4.000	383.862	-2.00	4.263	383.468	-150.00
-4.182	383.666	-150.00	-4.000	383.939	-2.00	95+0.000	384.019	383.646	0.373	4.000	383.939	-2.00	4.209	383.625	-150.00
-4.208	383.485	-150.00	-4.000	383.797	-2.00	96+0.000	383.877	383.463	0.414	4.000	383.797	-2.00	4.245	383.430	-150.00
-4.174	383.177	-150.00	-4.000	383.439	-2.00	97+0.000	383.519	383.136	0.383	4.000	383.439	-2.00	4.244	383.072	-150.00
-4.170	382.729	-150.00	-4.000	382.985	-2.00	98+0.000	383.065	382.672	0.393	4.000	382.985	-2.00	4.250	382.610	-150.00
-4.219	382.164	-150.00	-4.000	382.492	-2.00	99+0.000	382.572	382.121	0.451	4.000	382.492	-2.00	4.276	382.077	-150.00
-4.203	381.695	-150.00	-4.000	381.999	-2.00	100+0.000	382.079	381.652	0.427	4.000	381.999	-2.00	4.267	381.599	-150.00
-4.344	381.128	-150.00	-4.000	381.644	-2.00	101+0.000	381.724	381.145	0.578	4.000	381.644	-2.00	4.320	381.163	-150.00
-4.317	380.844	-150.00	-4.000	381.319	-2.00	102+0.000	381.399	380.848	0.551	4.000	381.319	-2.00	4.313	380.850	-150.00
-4.282	380.572	-150.00	-4.000	380.995	-2.00	103+0.000	381.075	380.591	0.484	4.000	380.995	-2.00	4.252	380.617	-150.00
-4.228	380.411	-150.00	-4.000	380.753	-2.00	104+0.000	380.833	380.444	0.390	4.000	380.753	-2.00	4.163	380.509	-150.00
-4.214	380.430	-150.00	-4.000	380.751	-2.00	105+0.000	380.831	380.525	0.305	4.000	380.751	-2.00	4.088	380.618	-150.00
-4.160	380.514	-150.00	-4.000	380.753	-2.00	106+0.000	380.833	380.615	0.218	4.000	380.753	-2.00	4.027	380.713	-150.00
-4.101	380.605	-150.00	-4.000	380.756	-2.00	107+0.000	380.836	380.663	0.173	4.000	380.756	-2.00	4.025	380.719	-150.00
-4.026	380.720	-150.00	-4.000	380.759	-2.00	108+0.000	380.839	380.776	0.063	4.000	380.759	-2.00	4.111	380.833	66.67
-4.129	380.848	66.67	-4.000	380.762	-2.00	109+0.000	380.842	380.900	-0.059	4.000	380.762	-2.00	4.287	380.953	66.67
-4.194	380.894	66.67	-4.000	380.764	-2.00	110+0.000	380.844	380.947	-0.103	4.000	380.764	-2.00	4.234	380.920	66.67
-4.299	380.966	66.67	-4.000	380.767	-2.00	111+0.000	380.847	380.918	-0.071	4.000	380.767	-2.00	4.158	380.872	66.67
-4.316	380.980	66.67	-4.000	380.770	-2.00	112+0.000	380.850	380.960	-0.110	4.000	380.770	-2.00	4.256	380.940	66.67
-4.385	381.029	66.67	-4.000	380.772	-2.00	113+0.000	380.852	381.029	-0.176	4.000	380.772	-2.00	4.377	381.024	66.67
-4.214	380.918	66.67	-4.000	380.775	-2.00	114+0.000	380.855	380.938	-0.083	4.000	380.775	-2.00	4.275	380.959	66.67
-4.034	380.727	-150.00	-4.000	380.778	-2.00	115+0.000	380.858	380.778	0.080	4.000	380.778	-2.00	4.077	380.829	66.67
-4.099	380.631	-150.00	-4.000	380.780	-2.00	116+0.000	380.860	380.683	0.178	4.000	380.780	-2.00	4.030	380.736	-150.00
-4.170	380.529	-150.00	-4.000	380.783	-2.00	117+0.000	380.863	380.585	0.278	4.000	380.783	-2.00	4.093	380.644	-150.00
-4.267	380.386	-150.00	-4.000	380.786	-2.00	118+0.000	380.866	380.448	0.418	4.000	380.786	-2.00	4.185	380.508	-150.00
-4.301	380.338	-150.00	-4.000	380.789	-2.00	119+0.000	380.869	380.366	0.503	4.000	380.789	-2.00	4.244	380.422	-150.00
-4.252	380.413	-150.00	-4.000	380.791	-2.00	120+0.000	380.871	380.430	0.441	4.000	380.791	-2.00	4.231	380.444	-150.00
-4.238	380.436	-150.00	-4.000	380.794	-2.00	121+0.000	380.874	380.447	0.427	4.000	380.794	-2.00	4.220	380.464	-150.00
-4.218	380.470	-150.00	-4.000	380.797	-2.00	122+0.000	380.877	380.473	0.404	4.000	380.797	-2.00	4.215	380.475	-150.00
-4.222	380.463	-150.00	-4.000	380.795	-2.00	123+0.000	380.875	380.463	0.413	4.000	380.795	-2.00	4.222	380.463	-150.00
-4.221	380.309	-150.00	-4.000	380.641	-2.00	124+0.000	380.721	380.317	0.404	4.000	380.641	-2.00	4.210	380.325	-150.00
-4.250	380.103	-150.00	-4.000	380.479	-2.00	125+0.000	380.559	380.067	0.491	4.000	380.479	-2.00	4.298	380.031	-150.00
-4.259	379.928	-150.00	-4.000	380.316	-2.00	126+0.000	380.396	379.917	0.480	4.000	380.316	-2.00	4.274	379.905	-150.00
-4.215	379.832	-150.00	-4.000	380.154	-2.00	127+0.000	380.234	379.815	0.419	4.000	380.154	-2.00	4.238	379.797	-150.00
-4.195	379.801	-150.00	-4.000	380.093	-2.00	128+0.000	380.173	379.774	0.399	4.000	380.093	-2.00	4.230	379.748	-150.00
-4.220	380.142	-150.00	-4.000	380.472	-2.00	129+0.000	380.552	380.138	0.414	4.000	380.472	-2.00	4.216	380.148	-150.00
-4.209	380.389	-150.00	-4.000	380.703	-2.00	130+0.000	380.783	380.385	0.397	4.000	380.703	-2.00	4.214	380.382	-150.00
-4.203	380.528	-150.00	-4.000	380.833	-2.00	131+0.000	380.913	380.524	0.389	4.000	380.833	-2.00	4.208	380.521	-150.00
-4.123	380.780	-150.00	-4.000	380.964	-2.00	132+0.000	381.044	380.713	0.331	4.000	380.964	-2.00	4.210	380.649	-150.00
-4.096	380.950	-150.00	-4.000	381.094	-2.00	133+0.000	381.174	380.900	0.274	4.000	381.094	-2.00	4.163	380.849	-150.00
-4.177	380.954	-150.00	-4.000	381.220	-2.00	134+0.000	381.300	380.894	0.406	4.000	381.220	-2.00	4.256	380.837	-150.00
-4.231	380.664	-150.00	-4.000	381.011	-2.00	135+0.000	381.091	380.670	0.421	4.000	381.011	-2.00	4.241	380.650	-150.00
-4.189	380.471	-150.00	-4.000	380.755	-2.00	136+0.000	380.835	380.438	0.398	4.000	380.755	-2.00	4.243	380.391	-150.00
-4.179	380.196	-150.00	-4.000	380.464	-2.00	137+0.000	380.544	380.146	0.398	4.000	380.464	-2.00	4.246	380.096	-150.00
-4.203	379.758	-150.00	-4.000	380.063	-2.00	138+0.000	380.143	379.750	0.393	4.000	380.063	-2.00	4.235	379.710	-150.00
-4.222	379.214	-150.00	-4.000	379.547	-2.00	139+0.000	379.627	379.207	0.420	4.000	379.547	-2.00	4.231	379.201	-150.00
-4.210	378.717	-150.00	-4.000	379.031	-2.00	140+0.000	379.111	378.711	0.400	4.000	379.031	-2.00	4.217	378.706	-150.00
-4.211	378.260	-150.00	-4.000	378.576	-2.00	141+0.000	378.656	378.268	0.388	4.000	378.576	-2.00	4.201	378.274	-150.00
-4.215	377.912	-150.00	-4.000	378.234	-2.00	142+0.000	378.314	377.925	0.389	4.000	378.234	-2.00	4.197	377.939	-150.00
-4.286	377.770	-150.00	-4.000	378.199	-2.00	143+0.000	378.279	377.832	0.447	4.000	378.199	-2.00	4.203	377.894	-150.00
-4.325	377.720	-150.00	-4.000	378.207	-2.00	144+0.000	378.287	377.764	0.523	4.000	378.207	-2.00	4.267	377.808	-150.00
-4.277	377.800	-150.00	-4.000	378.216	-2.00	145+0.000	378.296	377.887	0.409	4.000	378.216	-2.00	4.180	377.945	-150.00
-4.266	377.811	-150.00	-4.000	378.210	-2.00	146+0.000	378.290	377.899	0.391	4.000	378.210	-2.00	4.150	377.984	-150.00
-4.250	377.823	-150.00	-4.000	378.198	-2.00	147+0.000	378.278	377.897	0.381	4.000	378.198	-2.00	4.144	377.982	-150.00
-4.262	377.792	-150.00	-4.000	378.186	-2.00	148+0.000	378.266	377.880	0.386	4.000	378.186	-2.00	4.152	377.958	-150.00
-4.257	377.680	-150.00	-4.000	378.066	-2.00	149+0.000	378.146	377.732	0.414	4.000	378.066	-2.00	4.172	377.807	-150.00
-4.232	377.657	-150.00	-4.000	378.004	-2.00	150+0.000	378.084	377.678	0.406	4.000	378.004	-2.00	4.203	377.700	-150.00
-4.194	377.556	-150.00	-4.000	377.848	-2.00	151+0.000	377.928	377.529	0.399	4.000	377.848	-2.00	4.231	377.501	-150.00
-4.183	377.286	-150.00	-4.000	377.560	-2.00	152+0.000	377.640	377.251	0.389	4.000	377.560	-2.00	4.229	377.216	-150.00
-4.196	377.086	-150.00	-4.000	377.380	-2.00	153+0.000	377.460	377.082	0.378	4.000	377.380	-2.00	4.213	377.061	-150.00
-4.263	376.805	-150.00	-4.000	377.200	-2.00	154+0.000	377.280	376.857	0.423	4.000	377.200	-2.00	4.195	376.907	-150.00

Osvaldo Leônicio da Silva
Diretor da Unidade
Projetos
Secretaria

-4.248	376.644	-150.00	-4.000	377.015	-2.00	155+0.000	377.095	376.695	0.400	4.000	377.015	-2.00	4.178	376.748	-150.00
-4.264	376.407	-150.00	-4.000	376.803	-2.00	156+0.000	376.883	376.486	0.397	4.000	376.803	-2.00	4.177	376.537	-150.00
-4.259	376.001	-150.00	-4.000	376.389	-2.00	157+0.000	376.469	376.098	0.371	4.000	376.389	-2.00	4.140	376.178	-150.00
-4.223	375.616	-150.00	-4.000	375.950	-2.00	158+0.000	376.030	375.688	0.342	4.000	375.950	-2.00	4.129	375.757	-150.00
-4.246	375.141	-150.00	-4.000	375.510	-2.00	159+0.000	375.590	375.202	0.388	4.000	375.510	-2.00	4.160	375.269	-150.00
-4.250	374.772	-150.00	-4.000	375.148	-2.00	160+0.000	375.228	374.833	0.395	4.000	375.148	-2.00	4.170	374.892	-150.00
-4.232	374.435	-150.00	-4.000	374.783	-2.00	161+0.000	374.863	374.500	0.362	4.000	374.783	-2.00	4.146	374.564	-150.00
-4.246	374.139	-150.00	-4.000	374.508	-2.00	162+0.000	374.588	374.227	0.361	4.000	374.508	-2.00	4.130	374.312	-150.00
-4.269	374.047	-150.00	-4.000	374.450	-2.00	163+0.000	374.530	374.164	0.366	4.000	374.450	-2.00	4.115	374.277	-150.00
-4.305	374.201	-150.00	-4.000	374.658	-2.00	164+0.000	374.738	374.327	0.412	4.000	374.658	-2.00	4.140	374.448	-150.00
-4.341	374.619	-150.00	-4.000	375.130	-2.00	165+0.000	375.210	374.715	0.495	4.000	375.130	-2.00	4.203	374.825	-150.00
-4.319	375.214	-150.00	-4.000	375.692	-2.00	166+0.000	375.772	375.255	0.517	4.000	375.692	-2.00	4.247	375.321	-150.00
-4.227	375.913	-150.00	-4.000	376.255	-2.00	167+0.000	376.335	375.955	0.379	4.000	376.255	-2.00	4.173	375.995	-150.00
-4.224	376.508	-150.00	-4.000	376.843	-2.00	168+0.000	376.923	376.517	0.406	4.000	376.843	-2.00	4.212	376.526	-150.00
-4.216	377.082	-150.00	-4.000	377.406	-2.00	169+0.000	377.486	377.090	0.397	4.000	377.406	-2.00	4.206	377.097	-150.00
-4.221	377.507	-150.00	-4.000	377.839	-2.00	170+0.000	377.919	377.497	0.423	4.000	377.839	-2.00	4.220	377.509	-150.00
-4.205	377.834	-150.00	-4.000	378.141	-2.00	171+0.000	378.221	377.798	0.423	4.000	378.141	-2.00	4.208	377.829	-150.00
-4.197	378.116	-150.00	-4.000	378.412	-2.00	172+0.000	378.492	378.079	0.413	4.000	378.412	-2.00	4.247	378.042	-150.00
-4.204	378.149	-150.00	-4.000	378.454	-2.00	173+0.000	378.534	378.135	0.399	4.000	378.454	-2.00	4.218	378.127	-150.00
-4.165	378.087	-150.00	-4.000	378.335	-2.00	174+0.000	378.415	378.087	0.328	4.000	378.335	-2.00	4.171	378.078	-150.00
-4.204	377.910	-150.00	-4.000	378.215	-2.00	175+0.000	378.295	377.920	0.375	4.000	378.215	-2.00	4.190	377.930	-150.00
-4.222	377.772	-150.00	-4.000	378.104	-2.00	176+0.000	378.184	377.770	0.414	4.000	378.104	-2.00	4.193	377.815	-150.00
-4.213	377.747	-150.00	-4.000	378.066	-2.00	177+0.000	378.146	377.723	0.424	4.000	378.066	-2.00	4.233	377.717	-150.00
-4.211	377.629	-150.00	-4.000	377.945	-2.00	178+0.000	378.025	377.631	0.394	4.000	377.945	-2.00	4.208	377.633	-150.00
-4.198	377.354	-150.00	-4.000	377.650	-2.00	179+0.000	377.730	377.350	0.381	4.000	377.650	-2.00	4.209	377.336	-150.00
-4.189	377.073	-150.00	-4.000	377.356	-2.00	180+0.000	377.436	377.042	0.394	4.000	377.356	-2.00	4.229	377.012	-150.00
-4.185	376.785	-150.00	-4.000	377.062	-2.00	181+0.000	377.142	376.747	0.395	4.000	377.062	-2.00	4.232	376.714	-150.00
-4.189	376.581	-150.00	-4.000	376.864	-2.00	182+0.000	376.944	376.548	0.396	4.000	376.864	-2.00	4.237	376.509	-150.00
-4.174	376.435	-150.00	-4.000	376.695	-2.00	183+0.000	376.775	376.393	0.383	4.000	376.695	-2.00	4.230	376.350	-150.00
-4.145	376.366	-150.00	-4.000	376.584	-2.00	184+0.000	376.664	376.321	0.343	4.000	376.584	-2.00	4.199	376.286	-150.00
-4.117	376.296	-150.00	-4.000	376.472	-2.00	185+0.000	376.552	376.256	0.296	4.000	376.472	-2.00	4.171	376.216	-150.00
-4.110	376.196	-150.00	-4.000	376.361	-2.00	186+0.000	376.441	376.162	0.279	4.000	376.361	-2.00	4.155	376.128	-150.00
-4.170	375.994	-150.00	-4.000	376.249	-2.00	187+0.000	376.329	375.950	0.379	4.000	376.249	-2.00	4.229	375.906	-150.00
-4.177	375.492	-150.00	-4.000	375.757	-2.00	188+0.000	375.837	375.467	0.371	4.000	375.757	-2.00	4.211	375.441	-150.00
-4.154	375.105	-150.00	-4.000	375.337	-2.00	189+0.000	375.417	375.008	0.408	4.000	375.337	-2.00	4.285	374.909	-150.00
-4.235	374.604	-150.00	-4.000	374.957	-2.00	190+0.000	375.037	374.509	0.528	4.000	374.957	-2.00	4.318	374.480	-150.00
-4.305	374.119	-150.00	-4.000	374.577	-2.00	191+0.000	374.657	374.069	0.588	4.000	374.577	-2.00	4.372	374.019	-150.00
-4.317	373.722	-150.00	-4.000	374.197	-2.00	192+0.000	374.277	373.676	0.601	4.000	374.197	-2.00	4.378	373.630	-150.00
-4.231	373.471	-150.00	-4.000	373.818	-2.00	193+0.000	373.898	373.463	0.434	4.000	373.818	-2.00	4.272	373.410	-150.00
-4.189	373.254	-150.00	-4.000	373.537	-2.00	194+0.000	373.617	373.229	0.389	4.000	373.537	-2.00	4.222	373.204	-150.00
-4.188	373.182	-150.00	-4.000	373.464	-2.00	195+0.000	373.544	373.178	0.366	4.000	373.464	-2.00	4.203	373.159	-150.00
-4.220	373.061	-150.00	-4.000	373.390	-2.00	196+0.000	373.470	373.069	0.401	4.000	373.390	-2.00	4.178	373.123	-150.00
-4.248	372.929	-150.00	-4.000	373.301	-2.00	197+0.000	373.381	372.983	0.398	4.000	373.301	-2.00	4.175	373.038	-150.00
-4.253	372.761	-150.00	-4.000	373.140	-2.00	198+0.000	373.220	372.822	0.397	4.000	373.140	-2.00	4.171	372.883	-150.00
-4.240	372.530	-150.00	-4.000	372.890	-2.00	199+0.000	372.970	372.594	0.376	4.000	372.890	-2.00	4.155	372.657	-150.00
-4.192	372.254	-150.00	-4.000	372.541	-2.00	200+0.000	372.621	372.327	0.295	4.000	372.541	-2.00	4.096	372.398	-150.00
-4.248	371.821	-150.00	-4.000	372.193	-2.00	201+0.000	372.273	371.892	0.381	4.000	372.193	-2.00	4.155	371.961	-150.00
-4.250	371.368	-150.00	-4.000	371.743	-2.00	202+0.000	371.823	371.440	0.383	4.000	371.743	-2.00	4.155	371.510	-150.00
-4.252	370.869	-150.00	-4.000	371.247	-2.00	203+0.000	371.327	370.933	0.393	4.000	371.247	-2.00	4.166	370.997	-150.00
-4.245	370.410	-150.00	-4.000	370.777	-2.00	204+0.000	370.857	370.469	0.389	4.000	370.777	-2.00	4.163	370.533	-150.00
-4.245	370.035	-150.00	-4.000	370.402	-2.00	205+0.000	370.482	370.089	0.393	4.000	370.402	-2.00	4.173	370.143	-150.00
-4.243	369.728	-150.00	-4.000	370.092	-2.00	206+0.000	370.172	369.780	0.392	4.000	370.092	-2.00	4.173	369.833	-150.00
-4.241	369.572	-150.00	-4.000	369.934	-2.00	207+0.000	370.014	369.619	0.394	4.000	369.934	-2.00	4.152	369.706	-150.00
-4.259	369.462	-150.00	-4.000	369.850	-2.00	208+0.000	369.930	369.531	0.399	4.000	369.850	-2.00	4.151	369.624	-150.00
-4.275	369.415	-150.00	-4.000	369.827	-2.00	209+0.000	369.907	369.510	0.397	4.000	369.827	-2.00	4.150	369.603	-150.00
-4.274	369.643	-150.00	-4.000	370.055	-2.00	210+0.000	370.135	369.726	0.409	4.000	370.055	-2.00	4.166	369.806	-150.00
-4.234	369.747	-150.00	-4.000	370.098	-2.00	211+0.000	370.178	369.780	0.397	4.000	370.098	-2.00	4.189	369.814	-150.00
-4.215	369.951	-150.00	-4.000	370.273	-2.00	212+0.000	370.353	369.928	0.425	4.000	370.273	-2.00	4.245	369.906	-150.00
-4.211	370.051	-150.00	-4.000	370.367	-2.00	213+0.000	370.447	370.039	0.408	4.000	370.367	-2.00	4.226	370.027	-150.00
-4.185	370.121	-150.00	-4.000	370.398	-2.00	214+0.000	370.478	370.081	0.397	4.000	370.398	-2.00	4.220	370.069	-150.00
-4.207	370.034	-150.00	-4.000	370.345	-2.00	215+0.000	370.425	370.025	0.400	4.000	370.345	-2.00	4.220	370.015	-150.00
-4.188	370.004	-150.00	-4.000	370.285	-2.00	216+0.000	370.365	369.988	0.377	4.000	370.285	-2.00	4.206	369.977	-150.00
-4.147	370.006	-150.00	-4.000	370.226	-2.00	217+0.000	370.306	369.984	0.322	4.000	370.226	-2.00	4.176	369.962	-150.00
-4.156	369.932	-150.00	-4.000	370.167	-2.00	218+0.000	370.247	369.917	0.330	4.000	370.167	-2.00	4.177	369.901	-150.00
-4.183	369.833	-150.00	-4.000	370.107	-2.00	219+0.000	370.187	369.831	0.356	4.000	370.107	-2.00	4.179	369.838	-150.00
-4.216	369.716	-150.00	-4.000	370.041	-2.00	220+0.000	370.121	369.724	0.397	4.000	370.041	-2.00	4.229	369.697	-150.00
-4.217	369.356	-150.00	-4.000	369.681	-2.00	221+0.000	369.761	369.318	0.443	4.000	369.681	-2.00	4.261	369.290	-150.00
-4.214	368.989	-150.00	-4.000	369.310	-2.00	222+0.000	369.390	368.947	0.443	4.000	369.310	-2.00	4.268	368.907	-150.00
-4.184	368.662	-150.00	-4.000	368.938	-2.00	223+0.000	369.018	368.623	0.395	4.000	368.938	-2.00	4.236	368.585	-150.00
-4.187	368.468	-150.00	-4.000	368.749	-2.00	224+0.000	368.829	368.433	0.396	4.000	368.749	-2.00	4.232	368.400	-150.00
-4.183	368.494	-150.00	-4.000	368.768	-2.00	225+0.000	368.848	368.459	0.388	4.000	368.768	-2.00	4.229	368.424	-150.00
-4.178	368.647	-150.00	-4.000	368.914	-2.00	226+0.000	368.994	368.592	0.403	4.000	368.914	-2.00	4.255	368.531	-150.00
-4.195	368.713	-150.00	-4.000	369.006	-2.00	227+0.000	369.086	368.657	0.429	4.000	369.006	-2.00	4.271	368.600	-150.00
-4.229	368.754	-150.00	-4.000	369.097	-2.00	228+0.000	369.177	368.715	0.462	4.000	369.097	-2.00	4.255	368.715	-150.00
-4.177	368.613	-150.00	-4.000	368.878	-2.00	229+0.000	368.958	368.579	0.379	4.000	368.878	-2.00	4.205	368.570	-150.00
-4.204	368.308	-150.00	-4.000	368.614	-2.00	230+0.000	368.694	368.272	0.422	4.000	368.614	-2.00	4.252	368.235	-150.00
-4.234	367.543	-150.00	-4.000	367.894	-2.00	231+0.000	367.974	367.540	0.434	4.000	367.894	-2.00	4.241	367.532	-150.00
-4.230	366.807	-150.00	-4.000	367.152	-2.00	232+0.000	367.232	366.794	0.438	4.000	367.152	-2.00	4.248	366.781	-150.00
-4.172	366.262	-150.00	-4.000	366.520	-2.00	233+0.000	366.600	366.208	0.392	4.000	366.520	-2.00	4.245	366.152	-150.00
-4.155	366.069	-150.00	-4.000	366.302	-2.00	234+0.000	366.382	366.002	0.380	4.000	366.302	-2.00	4.245	365.934	-150.00
-4.160	366.071	-150.00	-4.000	366.311	-2.00	235+0.000	366.391	365.993	0.398	4.000	366.311	-2.00	4.262	365.918	-150.00

Osvaldo Leôncio da Silva
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria

-4.154	366.419	-150.00	-4.000	366.649	-2.00	236+0.000	366.729	366.339	0.390	4.000	366.649	-2.00	4.240	366.289	-150.00
-4.076	366.865	-150.00	-4.000	366.979	-2.00	237+0.000	367.059	366.787	0.273	4.000	366.979	-2.00	4.190	366.694	-150.00
-4.037	367.334	66.67	-4.000	367.310	-2.00	238+0.000	367.390	367.241	0.148	4.000	367.310	-2.00	4.101	367.159	-150.00
-4.035	367.588	-150.00	-4.000	367.640	-2.00	239+0.000	367.720	367.500	0.220	4.000	367.640	-2.00	4.149	367.417	-150.00
-4.108	367.808	-150.00	-4.000	367.970	-2.00	240+0.000	368.050	367.717	0.333	4.000	367.970	-2.00	4.230	367.624	-150.00
-4.167	368.049	-150.00	-4.000	368.300	-2.00	241+0.000	368.380	367.959	0.421	4.000	368.300	-2.00	4.293	367.859	-150.00
-4.163	368.325	-150.00	-4.000	368.569	-2.00	242+0.000	368.649	368.224	0.425	4.000	368.569	-2.00	4.301	368.117	-150.00
-4.188	368.484	-150.00	-4.000	368.766	-2.00	243+0.000	368.846	368.436	0.410	4.000	368.766	-2.00	4.252	368.388	-150.00
-4.189	368.610	-150.00	-4.000	368.893	-2.00	244+0.000	368.973	368.565	0.409	4.000	368.893	-2.00	4.250	368.518	-150.00
-4.183	368.675	-150.00	-4.000	368.950	-2.00	245+0.000	369.030	368.639	0.391	4.000	368.950	-2.00	4.242	368.587	-150.00
-4.210	368.621	-150.00	-4.000	368.937	-2.00	246+0.000	369.017	368.606	0.411	4.000	368.937	-2.00	4.232	368.589	-150.00
-4.215	368.532	-150.00	-4.000	368.853	-2.00	247+0.000	368.933	368.512	0.421	4.000	368.853	-2.00	4.240	368.493	-150.00
-4.185	368.422	-150.00	-4.000	368.700	-2.00	248+0.000	368.780	368.405	0.374	4.000	368.700	-2.00	4.207	368.389	-150.00
-4.172	368.239	-150.00	-4.000	368.497	-2.00	249+0.000	368.577	368.228	0.349	4.000	368.497	-2.00	4.186	368.217	-150.00
-4.161	368.052	-150.00	-4.000	368.293	-2.00	250+0.000	368.373	368.035	0.338	4.000	368.293	-2.00	4.186	368.013	-150.00
-4.172	367.831	-150.00	-4.000	368.089	-2.00	251+0.000	368.169	367.789	0.379	4.000	368.089	-2.00	4.228	367.747	-150.00
-4.193	367.650	-150.00	-4.000	367.940	-2.00	252+0.000	368.020	367.610	0.410	4.000	367.940	-2.00	4.247	367.569	-150.00
-4.217	367.533	-150.00	-4.000	367.858	-2.00	253+0.000	367.938	367.492	0.446	4.000	367.858	-2.00	4.274	367.447	-150.00
-4.239	367.418	-150.00	-4.000	367.777	-2.00	254+0.000	367.857	367.376	0.481	4.000	367.777	-2.00	4.296	367.333	-150.00
-4.276	367.281	-150.00	-4.000	367.695	-2.00	255+0.000	367.775	367.263	0.512	4.000	367.695	-2.00	4.300	367.245	-150.00
-4.161	367.366	-150.00	-4.000	367.607	-2.00	256+0.000	367.687	367.281	0.406	4.000	367.607	-2.00	4.276	367.193	-150.00
-4.161	367.068	-150.00	-4.000	367.309	-2.00	257+0.000	367.389	367.008	0.381	4.000	367.309	-2.00	4.241	366.947	-150.00
-4.218	367.013	-150.00	-4.000	367.340	-2.00	258+0.000	367.420	367.005	0.416	4.000	367.340	-2.00	4.242	366.977	-150.00
-4.226	367.045	-150.00	-4.000	367.383	-2.00	259+0.000	367.463	367.006	0.457	4.000	367.383	-2.00	4.278	366.967	-150.00
-4.255	367.045	-150.00	-4.000	367.427	-2.00	260+0.000	367.507	367.040	0.467	4.000	367.427	-2.00	4.261	367.035	-150.00
-4.252	367.092	-150.00	-4.000	367.470	-2.00	261+0.000	367.550	367.099	0.451	4.000	367.470	-2.00	4.243	367.106	-150.00
-4.246	367.053	-150.00	-4.000	367.423	-2.00	262+0.000	367.503	367.080	0.423	4.000	367.423	-2.00	4.211	367.106	-150.00
-4.234	366.870	-150.00	-4.000	367.221	-2.00	263+0.000	367.301	366.904	0.396	4.000	367.221	-2.00	4.188	366.938	-150.00
-4.224	366.683	-150.00	-4.000	367.019	-2.00	264+0.000	367.099	366.741	0.357	4.000	367.019	-2.00	4.147	366.798	-150.00
-4.226	366.477	-150.00	-4.000	366.816	-2.00	265+0.000	366.896	366.516	0.380	4.000	366.816	-2.00	4.175	366.554	-150.00
-4.249	366.240	-150.00	-4.000	366.614	-2.00	266+0.000	366.694	366.295	0.399	4.000	366.614	-2.00	4.176	366.349	-150.00
-4.238	366.090	-150.00	-4.000	366.447	-2.00	267+0.000	366.527	366.133	0.394	4.000	366.447	-2.00	4.181	366.175	-150.00
-4.246	365.730	-150.00	-4.000	366.098	-2.00	268+0.000	366.178	365.778	0.401	4.000	366.098	-2.00	4.183	365.824	-150.00
-4.242	365.594	-150.00	-4.000	365.957	-2.00	269+0.000	366.037	365.644	0.394	4.000	365.957	-2.00	4.176	365.693	-150.00
-4.271	365.483	-150.00	-4.000	365.889	-2.00	270+0.000	365.969	365.568	0.402	4.000	365.889	-2.00	4.160	365.650	-150.00
-4.270	365.276	-150.00	-4.000	365.681	-2.00	271+0.000	365.761	365.365	0.396	4.000	365.681	-2.00	4.152	365.453	-150.00
-4.292	365.151	-150.00	-4.000	365.589	-2.00	272+0.000	365.669	365.269	0.400	4.000	365.589	-2.00	4.137	365.383	-150.00
-4.306	365.117	-150.00	-4.000	365.576	-2.00	273+0.000	365.656	365.236	0.420	4.000	365.576	-2.00	4.150	365.350	-150.00
-4.323	364.752	-150.00	-4.000	365.236	-2.00	274+0.000	365.316	364.922	0.395	4.000	365.236	-2.00	4.094	365.095	-150.00
-4.415	364.598	-150.00	-4.000	365.221	-2.00	275+0.000	365.301	364.806	0.495	4.000	365.221	-2.00	4.146	365.001	-150.00
-4.450	364.531	-150.00	-4.000	365.206	-2.00	276+0.000	365.286	364.787	0.499	4.000	365.206	-2.00	4.145	364.989	-150.00
-4.365	364.643	-150.00	-4.000	365.190	-2.00	277+0.000	365.270	364.814	0.456	4.000	365.190	-2.00	4.147	364.969	-150.00
-4.342	364.661	-150.00	-4.000	365.175	-2.00	278+0.000	365.255	364.817	0.438	4.000	365.175	-2.00	4.140	364.965	-150.00
-4.337	364.655	-150.00	-4.000	365.159	-2.00	279+0.000	365.239	364.803	0.437	4.000	365.159	-2.00	4.143	364.945	-150.00
-4.285	364.709	-150.00	-4.000	365.137	-2.00	280+0.000	365.217	364.826	0.391	4.000	365.137	-2.00	4.160	364.897	-150.00
-4.253	364.647	-150.00	-4.000	365.026	-2.00	281+0.000	365.106	364.718	0.389	4.000	365.026	-2.00	4.160	364.786	-150.00
-4.242	364.439	-150.00	-4.000	364.802	-2.00	282+0.000	364.882	364.505	0.377	4.000	364.802	-2.00	4.161	364.560	-150.00
-4.244	364.100	-150.00	-4.000	364.467	-2.00	283+0.000	364.547	364.130	0.417	4.000	364.467	-2.00	4.200	364.166	-150.00
-4.272	363.628	-150.00	-4.000	364.036	-2.00	284+0.000	364.116	363.665	0.451	4.000	364.036	-2.00	4.223	363.702	-150.00
-4.210	363.073	-150.00	-4.000	363.389	-2.00	285+0.000	363.469	363.085	0.384	4.000	363.389	-2.00	4.188	363.107	-150.00
-4.170	362.502	-150.00	-4.000	362.757	-2.00	286+0.000	362.837	362.490	0.347	4.000	362.757	-2.00	4.167	362.507	-150.00
-4.290	361.919	-150.00	-4.000	362.355	-2.00	287+0.000	362.435	361.931	0.504	4.000	362.355	-2.00	4.246	361.986	-150.00
-4.342	361.570	-150.00	-4.000	362.083	-2.00	288+0.000	362.163	361.624	0.538	4.000	362.083	-2.00	4.270	361.677	-150.00
-4.285	361.384	-150.00	-4.000	361.810	-2.00	289+0.000	361.890	361.433	0.457	4.000	361.810	-2.00	4.221	361.479	-150.00
-4.240	361.249	-150.00	-4.000	361.609	-2.00	290+0.000	361.689	361.290	0.399	4.000	361.609	-2.00	4.186	361.330	-150.00
-4.266	361.206	-150.00	-4.000	361.605	-2.00	291+0.000	361.685	361.265	0.420	4.000	361.605	-2.00	4.192	361.318	-150.00
-4.252	361.225	-150.00	-4.000	361.602	-2.00	292+0.000	361.682	361.272	0.410	4.000	361.602	-2.00	4.189	361.319	-150.00
-4.235	361.248	-150.00	-4.000	361.600	-2.00	293+0.000	361.680	361.297	0.383	4.000	361.600	-2.00	4.170	361.344	-150.00
-4.246	361.228	-150.00	-4.000	361.597	-2.00	294+0.000	361.677	361.277	0.400	4.000	361.597	-2.00	4.186	361.318	-150.00
-4.221	361.170	-150.00	-4.000	361.502	-2.00	295+0.000	361.582	361.182	0.400	4.000	361.502	-2.00	4.215	361.179	-150.00
-4.206	361.036	-150.00	-4.000	361.345	-2.00	296+0.000	361.425	361.035	0.390	4.000	361.345	-2.00	4.209	361.032	-150.00
-4.122	360.698	-150.00	-4.000	360.882	-2.00	297+0.000	360.962	360.688	0.274	4.000	360.882	-2.00	4.137	360.677	-150.00
-4.050	360.315	66.67	-4.000	360.282	-2.00	298+0.000	360.362	360.308	0.054	4.000	360.282	-2.00	4.029	360.301	66.67
-4.214	359.825	66.67	-4.000	359.682	-2.00	299+0.000	359.762	359.796	-0.034	4.000	359.682	-2.00	4.130	359.769	66.67
-4.199	359.215	66.67	-4.000	359.082	-2.00	300+0.000	359.162	359.165	-0.003	4.000	359.082	-2.00	4.087	359.139	66.67
-4.194	358.611	66.67	-4.000	358.482	-2.00	301+0.000	358.562	358.566	-0.004	4.000	358.482	-2.00	4.061	358.522	66.67
-4.104	357.726	-150.00	-4.000	357.882	-2.00	302+0.000	357.962	357.640	0.322	4.000	357.882	-2.00	4.220	357.552	-150.00
-4.111	357.256	-150.00	-4.000	357.423	-2.00	303+0.000	357.503	357.150	0.353	4.000	357.423	-2.00	4.239	357.064	-150.00
-4.173	356.754	-150.00	-4.000	357.014	-2.00	304+0.000	357.094	356.719	0.375	4.000	357.014	-2.00	4.106	356.855	-150.00
-4.287	356.175	-150.00	-4.000	356.606	-2.00	305+0.000	356.686	356.293	0.392	4.000	356.606	-2.00	4.109	356.442	-150.00
-4.300	355.837	-150.00	-4.000	356.287	-2.00	306+0.000	356.367	355.970	0.397	4.000	356.287	-2.00	4.126	356.098	-150.00
-4.313	355.594	-150.00	-4.000	356.064	-2.00	307+0.000	356.144	355.737	0.407	4.000	356.064	-2.00	4.127	355.874	-150.00
-4.294	355.236	-150.00	-4.000	355.677	-2.00	308+0.000	355.757	355.363	0.394	4.000	355.677	-2.00	4.127	355.486	-150.00
-4.297	354.823	-150.00	-4.000	355.268	-2.00	309+0.000	355.348	354.942	0.406	4.000	355.268	-2.00	4.139	355.059	-150.00
-4.306	354.501	-150.00	-4.000	354.960	-2.00	310+0.000	355.040	354.634	0.407	4.000	354.960	-2.00	4.133	354.761	-150.00
-4.291	353.992	-150.00	-4.000	354.429	-2.00	311+0.000	354.509	354.089	0.420	4.000	354.429	-2.00	4.116	354.255	-150.00
-4.163	353.580	-150.00	-4.000	353.825	-2.00	312+0.000	353.905	353.595	0.310	4.000	353.825	-2.00	4.131	353.628	-150.00
-4.172	352.962	-150.00	-4.000	353.220	-2.00	313+0.000	353.300	353.028	0.271	4.000	353.220	-2.00	4.085	353.093	-150.00
-4.191	352.329	-150.00	-4.000	352.615	-2.00	314+0.000	352.695	352.372	0.323	4.000	352.615	-2.00	4.134	352.414	-150.00
-4.191	351.724	-150.00	-4.000	352.010	-2.00	315+0.000	352.090	351.712	0.378	4.000	352.010	-2.00	4.171	351.753	-150.00
-4.209	351.226	-150.00	-4.000	351.540	-2.00	316+0.000	351.620	351.246	0.373	4.000	351.540	-2.00	4.161	351.298	-150.00

Osvaldo Leonardo da Silva
Diretor da Unidade de Projetos
Secretaria

-4.204	350.902	-150.00	-4.000	351.208	-2.00	317+0.000	351.288	350.935	0.352	4.000	351.208	-2.00	4.160	350.968	-150.00
-4.216	350.552	-150.00	-4.000	350.875	-2.00	318+0.000	350.955	350.566	0.390	4.000	350.875	-2.00	4.197	350.579	-150.00
-4.181	350.310	-150.00	-4.000	350.581	-2.00	319+0.000	350.661	350.268	0.393	4.000	350.581	-2.00	4.215	350.258	-150.00
-4.189	350.131	-150.00	-4.000	350.414	-2.00	320+0.000	350.494	350.156	0.338	4.000	350.414	-2.00	4.155	350.182	-150.00
-4.182	349.982	-150.00	-4.000	350.256	-2.00	321+0.000	350.336	349.928	0.408	4.000	350.256	-2.00	4.242	349.893	-150.00
-4.128	350.092	-150.00	-4.000	350.284	-2.00	322+0.000	350.364	349.964	0.400	4.000	350.284	-2.00	4.302	349.830	-150.00
-4.146	349.970	-150.00	-4.000	350.188	-2.00	323+0.000	350.268	349.860	0.408	4.000	350.188	-2.00	4.295	349.746	-150.00
-4.142	349.827	-150.00	-4.000	350.040	-2.00	324+0.000	350.120	349.715	0.405	4.000	350.040	-2.00	4.257	349.655	-150.00
-4.163	349.647	-150.00	-4.000	349.892	-2.00	325+0.000	349.972	349.582	0.390	4.000	349.892	-2.00	4.251	349.516	-150.00
-4.189	349.401	-150.00	-4.000	349.684	-2.00	326+0.000	349.764	349.343	0.421	4.000	349.684	-2.00	4.263	349.289	-150.00
-4.161	349.100	-150.00	-4.000	349.342	-2.00	327+0.000	349.422	349.053	0.369	4.000	349.342	-2.00	4.233	348.992	-150.00
-4.176	348.601	-150.00	-4.000	348.864	-2.00	328+0.000	348.944	348.547	0.397	4.000	348.864	-2.00	4.242	348.501	-150.00
-4.221	348.108	-150.00	-4.000	348.439	-2.00	329+0.000	348.519	348.104	0.415	4.000	348.439	-2.00	4.206	348.130	-150.00
-4.364	347.782	-150.00	-4.000	348.328	-2.00	330+0.000	348.408	347.792	0.616	4.000	348.328	-2.00	4.351	347.802	-150.00
-4.328	347.727	-150.00	-4.000	348.218	-2.00	331+0.000	348.298	347.688	0.610	4.000	348.218	-2.00	4.363	347.674	-150.00
-4.176	347.845	-150.00	-4.000	348.108	-2.00	332+0.000	348.188	347.757	0.431	4.000	348.108	-2.00	4.294	347.667	-150.00
-4.170	347.761	-150.00	-4.000	348.015	-2.00	333+0.000	348.095	347.683	0.412	4.000	348.015	-2.00	4.259	347.627	-150.00
-4.134	347.600	-150.00	-4.000	347.800	-2.00	334+0.000	347.880	347.482	0.399	4.000	347.800	-2.00	4.273	347.390	-150.00
-4.123	347.450	-150.00	-4.000	347.636	-2.00	335+0.000	347.716	347.309	0.407	4.000	347.636	-2.00	4.317	347.161	-150.00
-4.122	347.071	-150.00	-4.000	347.254	-2.00	336+0.000	347.334	346.957	0.377	4.000	347.254	-2.00	4.275	346.841	-150.00
-4.112	346.641	-150.00	-4.000	346.808	-2.00	337+0.000	346.888	346.538	0.350	4.000	346.808	-2.00	4.251	346.432	-150.00
-4.117	346.188	-150.00	-4.000	346.363	-2.00	338+0.000	346.443	346.101	0.341	4.000	346.363	-2.00	4.240	346.003	-150.00
-4.138	345.710	-150.00	-4.000	345.917	-2.00	339+0.000	345.997	345.628	0.369	4.000	345.917	-2.00	4.241	345.556	-150.00
-4.263	345.329	-150.00	-4.000	345.723	-2.00	340+0.000	345.803	345.326	0.477	4.000	345.723	-2.00	4.266	345.323	-150.00
-4.365	345.080	-150.00	-4.000	345.627	-2.00	341+0.000	345.707	345.082	0.625	4.000	345.627	-2.00	4.362	345.084	-150.00
-4.437	344.876	-150.00	-4.000	345.532	-2.00	342+0.000	345.612	344.933	0.679	4.000	345.532	-2.00	4.361	344.990	-150.00
-4.347	344.915	-150.00	-4.000	345.436	-2.00	343+0.000	345.516	344.982	0.534	4.000	345.436	-2.00	4.259	345.047	-150.00
-4.272	344.932	-150.00	-4.000	345.341	-2.00	344+0.000	345.421	344.998	0.423	4.000	345.341	-2.00	4.185	345.064	-150.00
-4.245	344.866	-150.00	-4.000	345.233	-2.00	345+0.000	345.313	344.914	0.399	4.000	345.233	-2.00	4.178	344.966	-150.00
-4.247	344.708	-150.00	-4.000	345.078	-2.00	346+0.000	345.158	344.752	0.407	4.000	345.078	-2.00	4.189	344.795	-150.00
-4.256	344.525	-150.00	-4.000	344.908	-2.00	347+0.000	344.988	344.567	0.422	4.000	344.908	-2.00	4.200	344.608	-150.00
-4.250	344.364	-150.00	-4.000	344.738	-2.00	348+0.000	344.818	344.421	0.398	4.000	344.738	-2.00	4.185	344.461	-150.00
-4.255	344.186	-150.00	-4.000	344.568	-2.00	349+0.000	344.648	344.250	0.398	4.000	344.568	-2.00	4.170	344.313	-150.00
-4.257	343.983	-150.00	-4.000	344.368	-2.00	350+0.000	344.448	344.047	0.401	4.000	344.368	-2.00	4.172	344.110	-150.00
-4.260	343.718	-150.00	-4.000	344.108	-2.00	351+0.000	344.188	343.784	0.404	4.000	344.108	-2.00	4.173	343.848	-150.00
-4.195	343.405	-150.00	-4.000	343.699	-2.00	352+0.000	343.779	343.454	0.325	4.000	343.699	-2.00	4.132	343.501	-150.00
-4.172	343.032	-150.00	-4.000	343.289	-2.00	353+0.000	343.369	343.065	0.304	4.000	343.289	-2.00	4.121	343.108	-150.00
-4.135	342.677	-150.00	-4.000	342.880	-2.00	354+0.000	342.960	342.710	0.249	4.000	342.880	-2.00	4.091	342.744	-150.00
-4.136	342.267	-150.00	-4.000	342.470	-2.00	355+0.000	342.550	342.274	0.276	4.000	342.470	-2.00	4.126	342.282	-150.00
-4.203	341.756	-150.00	-4.000	342.061	-2.00	356+0.000	342.141	341.755	0.386	4.000	342.061	-2.00	4.199	341.762	-150.00
-4.187	341.391	-150.00	-4.000	341.671	-2.00	357+0.000	341.751	341.365	0.386	4.000	341.671	-2.00	4.222	341.338	-150.00
-4.176	341.068	-150.00	-4.000	341.332	-2.00	358+0.000	341.412	341.030	0.382	4.000	341.332	-2.00	4.227	340.992	-150.00
-4.181	340.722	-150.00	-4.000	340.993	-2.00	359+0.000	341.073	340.685	0.388	4.000	340.993	-2.00	4.230	340.648	-150.00
-4.168	340.454	-150.00	-4.000	340.705	-2.00	360+0.000	340.785	340.391	0.395	4.000	340.705	-2.00	4.253	340.326	-150.00
-4.167	340.244	-150.00	-4.000	340.496	-2.00	361+0.000	340.576	340.183	0.393	4.000	340.496	-2.00	4.259	340.107	-150.00
-4.169	339.964	-150.00	-4.000	340.218	-2.00	362+0.000	340.298	339.879	0.418	4.000	340.218	-2.00	4.266	339.819	-150.00
-4.153	339.611	-150.00	-4.000	339.840	-2.00	363+0.000	339.920	339.535	0.384	4.000	339.840	-2.00	4.255	339.458	-150.00
-4.175	339.100	-150.00	-4.000	339.363	-2.00	364+0.000	339.443	339.053	0.389	4.000	339.363	-2.00	4.244	338.997	-150.00
-4.197	338.503	-150.00	-4.000	338.798	-2.00	365+0.000	338.878	338.460	0.418	4.000	338.798	-2.00	4.254	338.416	-150.00
-4.187	337.914	-150.00	-4.000	338.194	-2.00	366+0.000	338.274	337.853	0.421	4.000	338.194	-2.00	4.256	337.810	-150.00
-4.193	337.249	-150.00	-4.000	337.539	-2.00	367+0.000	337.619	337.217	0.402	4.000	337.539	-2.00	4.236	337.185	-150.00
-4.189	336.608	-150.00	-4.000	336.891	-2.00	368+0.000	336.971	336.583	0.388	4.000	336.891	-2.00	4.184	336.615	-150.00
-4.223	336.167	-150.00	-4.000	336.502	-2.00	369+0.000	336.582	336.185	0.396	4.000	336.502	-2.00	4.176	336.237	-150.00
-4.224	335.783	-150.00	-4.000	336.119	-2.00	370+0.000	336.199	335.805	0.395	4.000	336.119	-2.00	4.167	335.869	-150.00
-4.224	335.516	-150.00	-4.000	335.851	-2.00	371+0.000	335.931	335.545	0.386	4.000	335.851	-2.00	4.166	335.603	-150.00
-4.222	335.261	-150.00	-4.000	335.594	-2.00	372+0.000	335.674	335.280	0.393	4.000	335.594	-2.00	4.172	335.336	-150.00
-4.247	335.025	-150.00	-4.000	335.395	-2.00	373+0.000	335.475	335.080	0.395	4.000	335.395	-2.00	4.174	335.134	-150.00
-4.232	334.680	-150.00	-4.000	335.027	-2.00	374+0.000	335.107	334.717	0.390	4.000	335.027	-2.00	4.182	334.753	-150.00
-4.221	334.462	-150.00	-4.000	334.794	-2.00	375+0.000	334.874	334.477	0.397	4.000	334.794	-2.00	4.164	334.548	-150.00
-4.262	334.369	-150.00	-4.000	334.762	-2.00	376+0.000	334.842	334.444	0.398	4.000	334.762	-2.00	4.163	334.517	-150.00
-4.254	334.285	-150.00	-4.000	334.667	-2.00	377+0.000	334.747	334.352	0.394	4.000	334.667	-2.00	4.166	334.418	-150.00
-4.270	334.152	-150.00	-4.000	334.556	-2.00	378+0.000	334.636	334.217	0.419	4.000	334.556	-2.00	4.180	334.287	-150.00
-4.258	334.058	-150.00	-4.000	334.446	-2.00	379+0.000	334.526	334.144	0.381	4.000	334.446	-2.00	4.145	334.229	-150.00
-4.277	333.916	-150.00	-4.000	334.332	-2.00	380+0.000	334.412	334.012	0.400	4.000	334.332	-2.00	4.158	334.094	-150.00
-4.292	333.631	-150.00	-4.000	334.069	-2.00	381+0.000	334.149	333.743	0.406	4.000	334.069	-2.00	4.146	333.851	-150.00
-4.304	333.294	-150.00	-4.000	333.751	-2.00	382+0.000	333.831	333.423	0.407	4.000	333.751	-2.00	4.136	333.547	-150.00
-4.282	332.997	-150.00	-4.000	333.420	-2.00	383+0.000	333.500	333.105	0.396	4.000	333.420	-2.00	4.136	333.216	-150.00
-4.299	332.745	-150.00	-4.000	333.193	-2.00	384+0.000	333.273	332.845	0.427	4.000	333.193	-2.00	4.166	332.943	-150.00
-4.327	332.414	-150.00	-4.000	332.904	-2.00	385+0.000	332.984	332.504	0.480	4.000	332.904	-2.00	4.208	332.592	-150.00
-4.325	332.128	-150.00	-4.000	332.616	-2.00	386+0.000	332.696	332.198	0.497	4.000	332.616	-2.00	4.232	332.267	-150.00
-4.279	331.909	-150.00	-4.000	332.327	-2.00	387+0.000	332.407	331.997	0.410	4.000	332.327	-2.00	4.163	332.083	-150.00
-4.202	331.736	-150.00	-4.000	332.039	-2.00	388+0.000	332.119	331.728	0.391	4.000	332.039	-2.00	4.130	331.843	-150.00
-4.175	331.752	-150.00	-4.000	332.015	-2.00	389+0.000	332.095	331.712	0.383	4.000	332.015	-2.00	4.145	331.797	-150.00
-4.204	331.795	-150.00	-4.000	332.102	-2.00	390+0.000	332.182	331.781	0.401	4.000	332.102	-2.00	4.185	331.824	-150.00
-4.196	331.895	-150.00	-4.000	332.189	-2.00	391+0.000	332.269	331.930	0.339	4.000	332.189	-2.00	4.150	331.965	-150.00
-4.213	331.956	-150.00	-4.000	332.276	-2.00	392+0.000	332.356	331.987	0.369	4.000	332.276	-2.00	4.172	332.018	-150.00
-4.238	331.877	-150.00	-4.000	332.234	-2.00	393+0.000	332.314	331.918	0.395	4.000	332.234	-2.00	4.183	331.959	-150.00
-4.225	331.655	-150.00	-4.000	331.991	-2.00	394+0.000	332.071	331.672	0.399	4.000	331.991	-2.00	4.201	331.690	-150.00
-4.223	331.565	-150.00	-4.000	331.900	-2.00	395+0.000	331.980	331.585	0.395	4.000	331.900	-2.00	4.197	331.605	-150.00
-4.229	331.479	-150.00	-4.000	331.822	-2.00	396+0.000	331.902	331.504	0.399	4.000	331.822	-2.00	4.194	331.532	-150.00
-4.206	331.614	-150.00	-4.000	331.923	-2.00	397+0.000	332.003	331.672	0.331	4.000	331.923	-2.00	4.130	331.729	-150.00

Osvaldo Leônicio da S... [illegible]
Diretor da Unidade [illegible]
Projetos e Obras - DUPO
Secretaria [illegible]

-4.218	331.698	-150.00	-4.000	332.024	-2.00	398+0.000	332.104	331.741	0.364	4.000	332.024	-2.00	4.160	331.784	-150.00
-4.220	331.795	-150.00	-4.000	332.125	-2.00	399+0.000	332.205	331.802	0.403	4.000	332.125	-2.00	4.186	331.846	-150.00
-4.234	331.744	-150.00	-4.000	332.094	-2.00	400+0.000	332.174	331.772	0.402	4.000	332.094	-2.00	4.196	331.801	-150.00
-4.214	331.632	-150.00	-4.000	331.953	-2.00	401+0.000	332.033	331.648	0.385	4.000	331.953	-2.00	4.193	331.664	-150.00
-4.140	331.353	-150.00	-4.000	331.563	-2.00	402+0.000	331.643	331.359	0.284	4.000	331.563	-2.00	4.132	331.365	-150.00
-4.164	330.927	-150.00	-4.000	331.173	-2.00	403+0.000	331.253	330.925	0.328	4.000	331.173	-2.00	4.169	330.920	-150.00
-4.198	330.360	-150.00	-4.000	330.657	-2.00	404+0.000	330.737	330.345	0.392	4.000	330.657	-2.00	4.218	330.331	-150.00
-4.163	329.765	-150.00	-4.000	330.010	-2.00	405+0.000	330.090	329.682	0.408	4.000	330.010	-2.00	4.250	329.635	-150.00
-4.151	329.135	-150.00	-4.000	329.361	-2.00	406+0.000	329.441	329.080	0.361	4.000	329.361	-2.00	4.225	329.024	-150.00
-4.162	328.471	-150.00	-4.000	328.713	-2.00	407+0.000	328.793	328.433	0.360	4.000	328.713	-2.00	4.212	328.395	-150.00
-4.156	327.729	-150.00	-4.000	327.963	-2.00	408+0.000	328.043	327.723	0.320	4.000	327.963	-2.00	4.164	327.717	-150.00
-4.163	327.064	-150.00	-4.000	327.308	-2.00	409+0.000	327.388	326.947	0.441	4.000	327.308	-2.00	4.253	326.928	-150.00
-4.122	326.579	-150.00	-4.000	326.762	-2.00	410+0.000	326.842	326.466	0.376	4.000	326.762	-2.00	4.280	326.341	-150.00
-4.149	326.066	-150.00	-4.000	326.289	-2.00	411+0.000	326.369	325.959	0.410	4.000	326.289	-2.00	4.294	325.848	-150.00
-4.120	325.256	-150.00	-4.000	325.436	-2.00	412+0.000	325.516	325.139	0.377	4.000	325.436	-2.00	4.279	325.018	-150.00
-4.106	324.643	-150.00	-4.000	324.801	-2.00	413+0.000	324.881	324.508	0.373	4.000	324.801	-2.00	4.276	324.388	-150.00
-4.108	324.162	-150.00	-4.000	324.324	-2.00	414+0.000	324.404	324.019	0.385	4.000	324.324	-2.00	4.301	323.872	-150.00
-4.117	323.873	-150.00	-4.000	324.049	-2.00	415+0.000	324.129	323.739	0.391	4.000	324.049	-2.00	4.287	323.619	-150.00
-4.119	323.779	-150.00	-4.000	323.957	-2.00	416+0.000	324.037	323.642	0.395	4.000	323.957	-2.00	4.292	323.520	-150.00
-4.087	324.109	-150.00	-4.000	324.239	-2.00	417+0.000	324.319	323.943	0.376	4.000	324.239	-2.00	4.314	323.768	-150.00
-4.175	324.604	-150.00	-4.000	324.867	-2.00	418+0.000	324.947	324.539	0.407	4.000	324.867	-2.00	4.254	324.486	-150.00
-4.121	325.514	-150.00	-4.000	325.696	-2.00	419+0.000	325.776	325.443	0.333	4.000	325.696	-2.00	4.218	325.370	-150.00
-4.167	326.275	-150.00	-4.000	326.525	-2.00	420+0.000	326.605	326.193	0.412	4.000	326.525	-2.00	4.277	326.110	-150.00
-4.203	327.129	-150.00	-4.000	327.434	-2.00	421+0.000	327.514	327.118	0.395	4.000	327.434	-2.00	4.217	327.108	-150.00
-4.194	327.877	-150.00	-4.000	328.168	-2.00	422+0.000	328.248	327.831	0.417	4.000	328.168	-2.00	4.256	327.784	-150.00
-4.159	328.388	-150.00	-4.000	328.626	-2.00	423+0.000	328.706	328.329	0.378	4.000	328.626	-2.00	4.232	328.278	-150.00
-4.175	328.778	-150.00	-4.000	329.040	-2.00	424+0.000	329.120	328.747	0.373	4.000	329.040	-2.00	4.216	328.715	-150.00
-4.171	329.225	-150.00	-4.000	329.482	-2.00	425+0.000	329.562	329.189	0.373	4.000	329.482	-2.00	4.220	329.152	-150.00
-4.204	329.784	-150.00	-4.000	330.091	-2.00	426+0.000	330.171	329.772	0.399	4.000	330.091	-2.00	4.221	329.759	-150.00
-4.181	330.612	-150.00	-4.000	330.883	-2.00	427+0.000	330.963	330.574	0.389	4.000	330.883	-2.00	4.231	330.537	-150.00
-4.159	331.569	-150.00	-4.000	331.808	-2.00	428+0.000	331.888	331.510	0.378	4.000	331.808	-2.00	4.276	331.394	-150.00
-4.143	332.524	-150.00	-4.000	332.738	-2.00	429+0.000	332.818	332.468	0.350	4.000	332.738	-2.00	4.215	332.415	-150.00
-4.158	333.430	-150.00	-4.000	333.668	-2.00	430+0.000	333.748	333.350	0.398	4.000	333.668	-2.00	4.267	333.268	-150.00
-4.051	334.435	-150.00	-4.000	334.511	-2.00	431+0.000	334.591	334.286	0.306	4.000	334.511	-2.00	4.255	334.128	-150.00
-4.051	335.210	-150.00	-4.000	335.287	-2.00	432+0.000	335.367	335.020	0.347	4.000	335.287	-2.00	4.314	334.816	-150.00
-4.073	335.874	-150.00	-4.000	335.984	-2.00	433+0.000	336.064	335.653	0.411	4.000	335.984	-2.00	4.378	335.417	-150.00
-4.044	336.464	-150.00	-4.000	336.530	-2.00	434+0.000	336.610	336.237	0.373	4.000	336.530	-2.00	4.359	335.991	-150.00
-4.068	336.802	-150.00	-4.000	336.904	-2.00	435+0.000	336.984	336.573	0.411	4.000	336.904	-2.00	4.383	336.330	-150.00
-4.027	337.121	-150.00	-4.000	337.162	-2.00	436+0.000	337.242	336.845	0.397	4.000	337.162	-2.00	4.414	336.541	-150.00
-4.030	337.497	-150.00	-4.000	337.542	-2.00	437+0.000	337.622	337.226	0.396	4.000	337.542	-2.00	4.408	336.929	-150.00
-4.041	337.906	-150.00	-4.000	337.967	-2.00	438+0.000	338.047	337.643	0.404	4.000	337.967	-2.00	4.407	337.356	-150.00
-4.069	338.412	-150.00	-4.000	338.515	-2.00	439+0.000	338.595	338.178	0.417	4.000	338.515	-2.00	4.400	337.914	-150.00
-4.114	338.887	-150.00	-4.000	339.058	-2.00	440+0.000	339.138	338.728	0.410	4.000	339.058	-2.00	4.337	338.552	-150.00
-4.093	339.260	-150.00	-4.000	339.399	-2.00	441+0.000	339.479	339.112	0.367	4.000	339.399	-2.00	4.296	338.954	-150.00
-4.152	339.276	-150.00	-4.000	339.504	-2.00	442+0.000	339.584	339.169	0.415	4.000	339.504	-2.00	4.297	339.058	-150.00
-4.169	339.170	-150.00	-4.000	339.424	-2.00	443+0.000	339.504	339.102	0.402	4.000	339.424	-2.00	4.280	339.003	-150.00
-4.163	338.835	-150.00	-4.000	339.079	-2.00	444+0.000	339.159	338.761	0.397	4.000	339.079	-2.00	4.261	338.687	-150.00
-4.160	338.295	-150.00	-4.000	338.536	-2.00	445+0.000	338.616	338.223	0.393	4.000	338.536	-2.00	4.258	338.149	-150.00
-4.253	337.572	-150.00	-4.000	337.951	-2.00	446+0.000	338.031	337.518	0.513	4.000	337.951	-2.00	4.325	337.464	-150.00
-4.310	336.910	-150.00	-4.000	337.375	-2.00	447+0.000	337.455	336.846	0.609	4.000	337.375	-2.00	4.397	336.780	-150.00
-4.224	336.463	-150.00	-4.000	336.799	-2.00	448+0.000	336.879	336.421	0.458	4.000	336.799	-2.00	4.303	336.345	-150.00
-4.189	336.078	-150.00	-4.000	336.361	-2.00	449+0.000	336.441	336.035	0.406	4.000	336.361	-2.00	4.246	335.992	-150.00
-4.294	335.945	-150.00	-4.000	336.385	-2.00	450+0.000	336.465	335.894	0.572	4.000	336.385	-2.00	4.377	335.820	-150.00
-4.386	335.831	-150.00	-4.000	336.410	-2.00	451+0.000	336.490	335.813	0.676	4.000	336.410	-2.00	4.410	335.795	-150.00
-4.324	335.947	-150.00	-4.000	336.434	-2.00	452+0.000	336.514	335.888	0.626	4.000	336.434	-2.00	4.405	335.827	-150.00
-4.311	335.992	-150.00	-4.000	336.458	-2.00	453+0.000	336.538	335.998	0.541	4.000	336.458	-2.00	4.303	336.004	-150.00
-4.277	336.068	-150.00	-4.000	336.483	-2.00	454+0.000	336.563	336.034	0.529	4.000	336.483	-2.00	4.327	335.993	-150.00
-4.309	336.043	-150.00	-4.000	336.507	-2.00	455+0.000	336.587	336.030	0.557	4.000	336.507	-2.00	4.327	336.017	-150.00
-4.257	336.147	-150.00	-4.000	336.531	-2.00	456+0.000	336.611	336.101	0.510	4.000	336.531	-2.00	4.317	336.056	-150.00
-4.186	336.277	-150.00	-4.000	336.556	-2.00	457+0.000	336.636	336.217	0.419	4.000	336.556	-2.00	4.267	336.155	-150.00
-4.123	336.617	-150.00	-4.000	336.802	-2.00	458+0.000	336.882	336.483	0.399	4.000	336.802	-2.00	4.293	336.363	-150.00
-4.125	336.972	-150.00	-4.000	337.159	-2.00	459+0.000	337.239	336.836	0.404	4.000	337.159	-2.00	4.311	336.693	-150.00
-4.130	337.172	-150.00	-4.000	337.367	-2.00	460+0.000	337.447	337.040	0.407	4.000	337.367	-2.00	4.312	336.899	-150.00
-4.126	337.251	-150.00	-4.000	337.440	-2.00	461+0.000	337.520	337.134	0.386	4.000	337.440	-2.00	4.285	337.013	-150.00
-4.125	337.519	-150.00	-4.000	337.707	-2.00	462+0.000	337.787	337.402	0.385	4.000	337.707	-2.00	4.286	337.277	-150.00
-4.174	338.047	-150.00	-4.000	338.307	-2.00	463+0.000	338.387	337.969	0.418	4.000	338.307	-2.00	4.288	337.875	-150.00
-4.277	338.639	-150.00	-4.000	339.055	-2.00	464+0.000	339.135	338.619	0.516	4.000	339.055	-2.00	4.304	338.599	-150.00
-4.228	339.459	-150.00	-4.000	339.802	-2.00	465+0.000	339.882	339.469	0.413	4.000	339.802	-2.00	4.238	339.444	-150.00
-4.250	340.174	-150.00	-4.000	340.549	-2.00	466+0.000	340.629	340.194	0.436	4.000	340.549	-2.00	4.224	340.213	-150.00
-4.250	340.828	-150.00	-4.000	341.204	-2.00	467+0.000	341.284	340.875	0.409	4.000	341.204	-2.00	4.190	340.919	-150.00
-4.355	341.272	-150.00	-4.000	341.804	-2.00	468+0.000	341.884	341.282	0.601	4.000	341.804	-2.00	4.341	341.292	-150.00
-4.419	341.775	-150.00	-4.000	342.403	-2.00	469+0.000	342.483	341.778	0.705	4.000	342.403	-2.00	4.412	341.785	-150.00
-4.484	342.276	-150.00	-4.000	343.003	-2.00	470+0.000	343.083	342.272	0.810	4.000	343.003	-2.00	4.490	342.268	-150.00
-4.564	342.756	-150.00	-4.000	343.602	-2.00	471+0.000	343.682	342.737	0.945	4.000	343.602	-2.00	4.589	342.718	-150.00
-4.571	343.282	-150.00	-4.000	344.139	-2.00	472+0.000	344.219	343.262	0.957	4.000	344.139	-2.00	4.608	343.227	-150.00
-4.459	343.856	-150.00	-4.000	344.544	-2.00	473+0.000	344.624	343.887	0.737	4.000	344.544	-2.00	4.461	343.853	-150.00
-4.329	344.455	-150.00	-4.000	344.949	-2.00	474+0.000	345.029	344.468	0.561	4.000	344.949	-2.00	4.322	344.466	-150.00
-4.189	345.069	-150.00	-4.000	345.353	-2.00	475+0.000	345.433	345.058	0.375	4.000	345.353	-2.00	4.205	345.046	-150.00
-4.087	345.627	-150.00	-4.000	345.757	-2.00	476+0.000	345.837	345.598	0.239	4.000	345.757	-2.00	4.126	345.569	-150.00
-4.030	346.117	-150.00	-4.000	346.162	-2.00	477+0.000	346.242	346.081	0.161	4.000	346.162	-2.00	4.078	346.044	-150.00
			-4.000	346.566	-2.00	478+0.000	346.646	346.516	0.130	4.000	346.566	-2.00	4.069	346.463	-150.00

Osvaldo Leônicio da S...
Diretor da Gerência de Projetos
Projetos e Obras
Secretaria da ...

-4.089	346.836	-150.00	-4.000	346.971	-2.00	479+0.000	347.051	346.783	0.267	4.000	346.971	-2.00	4.161	346.729	-150.00
-4.184	347.001	-150.00	-4.000	347.278	-2.00	480+0.000	347.358	346.956	0.402	4.000	347.278	-2.00	4.254	346.897	-150.00
-4.189	347.007	-150.00	-4.000	347.290	-2.00	481+0.000	347.370	346.970	0.400	4.000	347.290	-2.00	4.238	346.933	-150.00
-4.188	346.757	-150.00	-4.000	347.039	-2.00	482+0.000	347.119	346.753	0.367	4.000	347.039	-2.00	4.194	346.749	-150.00
-4.218	346.461	-150.00	-4.000	346.787	-2.00	483+0.000	346.867	346.457	0.410	4.000	346.787	-2.00	4.223	346.454	-150.00
-4.295	346.093	-150.00	-4.000	346.535	-2.00	484+0.000	346.615	346.111	0.504	4.000	346.535	-2.00	4.270	346.130	-150.00
-4.346	345.764	-150.00	-4.000	346.283	-2.00	485+0.000	346.363	345.782	0.581	4.000	346.283	-2.00	4.321	345.801	-150.00
-4.284	345.606	-150.00	-4.000	346.031	-2.00	486+0.000	346.111	345.617	0.494	4.000	346.031	-2.00	4.268	345.629	-150.00
-4.217	345.589	-150.00	-4.000	345.915	-2.00	487+0.000	345.995	345.595	0.400	4.000	345.915	-2.00	4.208	345.603	-150.00
-4.215	345.696	-150.00	-4.000	346.019	-2.00	488+0.000	346.099	345.701	0.398	4.000	346.019	-2.00	4.205	345.712	-150.00
-4.225	345.810	-150.00	-4.000	346.148	-2.00	489+0.000	346.228	345.827	0.401	4.000	346.148	-2.00	4.195	345.856	-150.00
-4.252	345.959	-150.00	-4.000	346.338	-2.00	490+0.000	346.418	345.985	0.433	4.000	346.338	-2.00	4.215	346.015	-150.00
-4.251	346.151	-150.00	-4.000	346.528	-2.00	491+0.000	346.608	346.198	0.411	4.000	346.528	-2.00	4.190	346.243	-150.00
-4.256	346.309	-150.00	-4.000	346.693	-2.00	492+0.000	346.773	346.370	0.402	4.000	346.693	-2.00	4.183	346.418	-150.00
-4.206	346.378	-150.00	-4.000	346.687	-2.00	493+0.000	346.767	346.441	0.326	4.000	346.687	-2.00	4.123	346.502	-150.00
-4.145	346.404	-150.00	-4.000	346.621	-2.00	494+0.000	346.701	346.462	0.239	4.000	346.621	-2.00	4.067	346.520	-150.00
-4.133	346.356	-150.00	-4.000	346.555	-2.00	495+0.000	346.635	346.420	0.215	4.000	346.555	-2.00	4.048	346.483	-150.00
-4.266	346.081	-150.00	-4.000	346.480	-2.00	496+0.000	346.560	346.173	0.387	4.000	346.480	-2.00	4.145	346.263	-150.00
-4.225	345.704	-150.00	-4.000	346.043	-2.00	497+0.000	346.123	345.784	0.339	4.000	346.043	-2.00	4.121	345.862	-150.00
-4.219	345.201	-150.00	-4.000	345.530	-2.00	498+0.000	345.610	345.283	0.327	4.000	345.530	-2.00	4.111	345.363	-150.00
-4.259	344.629	-150.00	-4.000	345.017	-2.00	499+0.000	345.097	344.703	0.395	4.000	345.017	-2.00	4.156	344.784	-150.00
-4.256	344.011	-150.00	-4.000	344.396	-2.00	500+0.000	344.476	344.084	0.391	4.000	344.396	-2.00	4.148	344.174	-150.00
-4.217	343.435	-150.00	-4.000	343.760	-2.00	501+0.000	343.840	343.452	0.388	4.000	343.760	-2.00	4.135	343.558	-150.00
-4.243	342.906	-150.00	-4.000	343.270	-2.00	502+0.000	343.350	342.984	0.366	4.000	343.270	-2.00	4.126	343.081	-150.00
-4.261	342.389	-150.00	-4.000	342.780	-2.00	503+0.000	342.860	342.482	0.378	4.000	342.780	-2.00	4.139	342.572	-150.00
-4.270	341.884	-150.00	-4.000	342.290	-2.00	504+0.000	342.370	341.979	0.391	4.000	342.290	-2.00	4.146	342.071	-150.00
-4.262	341.448	-150.00	-4.000	341.840	-2.00	505+0.000	341.920	341.527	0.393	4.000	341.840	-2.00	4.156	341.606	-150.00
-4.266	341.050	-150.00	-4.000	341.449	-2.00	506+0.000	341.529	341.130	0.399	4.000	341.449	-2.00	4.166	341.200	-150.00
-4.247	340.537	-150.00	-4.000	340.908	-2.00	507+0.000	340.988	340.596	0.392	4.000	340.908	-2.00	4.170	340.654	-150.00
-4.246	339.941	-150.00	-4.000	340.310	-2.00	508+0.000	340.390	340.002	0.389	4.000	340.310	-2.00	4.114	340.139	-150.00
-4.320	339.362	-150.00	-4.000	339.843	-2.00	509+0.000	339.923	339.523	0.400	4.000	339.843	-2.00	4.115	339.670	-150.00
-4.315	338.923	-150.00	-4.000	339.397	-2.00	510+0.000	339.477	339.088	0.388	4.000	339.397	-2.00	4.101	339.245	-150.00
-4.311	338.552	-150.00	-4.000	339.019	-2.00	511+0.000	339.099	338.710	0.389	4.000	339.019	-2.00	4.105	338.861	-150.00
-4.313	338.209	-150.00	-4.000	338.679	-2.00	512+0.000	338.759	338.364	0.395	4.000	338.679	-2.00	4.112	338.511	-150.00
-4.306	337.943	-150.00	-4.000	338.401	-2.00	513+0.000	338.481	338.085	0.396	4.000	338.401	-2.00	4.119	338.222	-150.00
-4.300	337.750	-150.00	-4.000	338.200	-2.00	514+0.000	338.280	337.889	0.391	4.000	338.200	-2.00	4.118	338.022	-150.00
-4.270	337.681	-150.00	-4.000	338.087	-2.00	515+0.000	338.167	337.784	0.383	4.000	338.087	-2.00	4.135	337.884	-150.00
-4.250	337.643	-150.00	-4.000	338.017	-2.00	516+0.000	338.097	337.728	0.370	4.000	338.017	-2.00	4.136	337.813	-150.00
-4.239	337.589	-150.00	-4.000	337.948	-2.00	517+0.000	338.028	337.673	0.356	4.000	337.948	-2.00	4.148	337.726	-150.00
-4.213	337.559	-150.00	-4.000	337.879	-2.00	518+0.000	337.959	337.619	0.341	4.000	337.879	-2.00	4.138	337.672	-150.00
-4.263	337.415	-150.00	-4.000	337.810	-2.00	519+0.000	337.890	337.441	0.449	4.000	337.810	-2.00	4.229	337.466	-150.00
-4.301	337.290	-150.00	-4.000	337.741	-2.00	520+0.000	337.821	337.321	0.500	4.000	337.741	-2.00	4.265	337.344	-150.00
-4.327	337.176	-150.00	-4.000	337.666	-2.00	521+0.000	337.746	337.212	0.534	4.000	337.666	-2.00	4.279	337.248	-150.00
-4.282	337.089	-150.00	-4.000	337.512	-2.00	522+0.000	337.592	337.149	0.444	4.000	337.512	-2.00	4.221	337.181	-150.00
-4.262	336.861	-150.00	-4.000	337.253	-2.00	523+0.000	337.333	336.934	0.399	4.000	337.253	-2.00	4.164	337.007	-150.00
-4.263	336.494	-150.00	-4.000	336.889	-2.00	524+0.000	336.969	336.574	0.395	4.000	336.889	-2.00	4.162	336.645	-150.00
-4.248	336.103	-150.00	-4.000	336.475	-2.00	525+0.000	336.555	336.182	0.373	4.000	336.475	-2.00	4.079	336.357	-150.00
-4.324	335.733	-150.00	-4.000	336.220	-2.00	526+0.000	336.300	335.910	0.390	4.000	336.220	-2.00	4.049	336.146	-150.00
-4.399	335.511	-150.00	-4.000	336.109	-2.00	527+0.000	336.189	335.801	0.388	4.000	336.109	-2.00	4.029	336.066	-150.00
-4.356	335.656	-150.00	-4.000	336.191	-2.00	528+0.000	336.271	335.859	0.413	4.000	336.191	-2.00	4.095	336.049	-150.00
-4.341	335.851	-150.00	-4.000	336.362	-2.00	529+0.000	336.442	336.049	0.392	4.000	336.362	-2.00	4.082	336.239	-150.00
-4.321	335.797	-150.00	-4.000	336.278	-2.00	530+0.000	336.358	335.960	0.397	4.000	336.278	-2.00	4.108	336.116	-150.00
-4.227	335.935	-150.00	-4.000	336.275	-2.00	531+0.000	336.355	335.956	0.399	4.000	336.275	-2.00	4.176	336.011	-150.00
-4.173	336.246	-150.00	-4.000	336.506	-2.00	532+0.000	336.586	336.181	0.405	4.000	336.506	-2.00	4.219	336.178	-150.00
-4.159	335.646	-150.00	-4.000	335.884	-2.00	533+0.000	335.964	335.573	0.391	4.000	335.884	-2.00	4.257	335.498	-150.00
-4.125	335.440	-150.00	-4.000	335.628	-2.00	534+0.000	335.708	335.317	0.391	4.000	335.628	-2.00	4.293	335.189	-150.00
-4.193	335.072	-150.00	-4.000	335.362	-2.00	535+0.000	335.442	334.980	0.461	4.000	335.362	-2.00	4.317	334.886	-150.00
-4.249	334.656	-150.00	-4.000	335.030	-2.00	536+0.000	335.110	334.597	0.513	4.000	335.030	-2.00	4.328	334.537	-150.00
-4.283	334.275	-150.00	-4.000	334.699	-2.00	537+0.000	334.779	334.304	0.475	4.000	334.699	-2.00	4.260	334.309	-150.00
-4.209	334.173	-150.00	-4.000	334.487	-2.00	538+0.000	334.567	334.174	0.394	4.000	334.487	-2.00	4.192	334.199	-150.00
-4.208	334.174	-150.00	-4.000	334.486	-2.00	539+0.000	334.566	334.182	0.383	4.000	334.486	-2.00	4.197	334.190	-150.00
-4.246	334.151	-150.00	-4.000	334.520	-2.00	540+0.000	334.600	334.178	0.421	4.000	334.520	-2.00	4.209	334.206	-150.00
-4.243	334.160	-150.00	-4.000	334.525	-2.00	541+0.000	334.605	334.191	0.414	4.000	334.525	-2.00	4.203	334.221	-150.00
-4.235	334.036	-150.00	-4.000	334.389	-2.00	542+0.000	334.469	334.053	0.416	4.000	334.389	-2.00	4.213	334.069	-150.00
-4.246	333.731	-150.00	-4.000	334.101	-2.00	543+0.000	334.181	333.794	0.386	4.000	334.101	-2.00	4.197	333.805	-150.00
-4.274	333.252	-150.00	-4.000	333.663	-2.00	544+0.000	333.743	333.339	0.404	4.000	333.663	-2.00	4.159	333.425	-150.00
-4.217	332.988	-150.00	-4.000	333.312	-2.00	545+0.000	333.392	333.020	0.372	4.000	333.312	-2.00	4.173	333.052	-150.00
-4.214	332.903	-150.00	-4.000	333.224	-2.00	546+0.000	333.304	332.894	0.410	4.000	333.224	-2.00	4.226	332.885	-150.00
-4.204	332.853	-150.00	-4.000	333.159	-2.00	547+0.000	333.239	332.827	0.411	4.000	333.159	-2.00	4.251	332.783	-150.00
-4.271	332.501	-150.00	-4.000	332.908	-2.00	548+0.000	332.988	332.596	0.392	4.000	332.908	-2.00	4.160	332.668	-150.00
-4.270	331.995	-150.00	-4.000	332.399	-2.00	549+0.000	332.479	332.080	0.399	4.000	332.399	-2.00	4.152	332.170	-150.00
-4.212	331.661	-150.00	-4.000	331.979	-2.00	550+0.000	332.059	331.742	0.317	4.000	331.979	-2.00	4.106	331.820	-150.00
-4.294	331.403	-150.00	-4.000	331.843	-2.00	551+0.000	331.923	331.481	0.442	4.000	331.843	-2.00	4.191	331.557	-150.00
-4.256	331.614	-150.00	-4.000	331.998	-2.00	552+0.000	332.078	331.715	0.363	4.000	331.998	-2.00	4.130	331.803	-150.00
-4.306	331.977	-150.00	-4.000	332.437	-2.00	553+0.000	332.517	332.126	0.390	4.000	332.437	-2.00	4.119	332.259	-150.00
-4.329	332.467	-150.00	-4.000	332.961	-2.00	554+0.000	333.041	332.620	0.421	4.000	332.961	-2.00	4.130	332.765	-150.00
-4.297	332.861	-150.00	-4.000	333.306	-2.00	555+0.000	333.386	332.981	0.404	4.000	333.306	-2.00	4.135	333.102	-150.00
-4.364	333.268	-150.00	-4.000	333.814	-2.00	556+0.000	333.894	333.470	0.424	4.000	333.814	-2.00	4.157	333.579	-150.00
-4.320	333.209	-150.00	-4.000	333.689	-2.00	557+0.000	333.769	333.377	0.393	4.000	333.689	-2.00	4.102	333.536	-150.00
-4.130	333.283	-150.00	-4.000	333.477	-2.00	558+0.000	333.557	333.427	0.130	4.000	333.477	-2.00	4.025	333.494	66.67
-4.270	332.859	-150.00	-4.000	333.265	-2.00	559+0.000	333.345	333.051	0.294	4.000	333.265	-2.00	4.104	333.109	-150.00

Osvaldo Leônicio da Silva
Diretor da Diretoria de Projetos e Obras
Secretaria

-4.320	332.185	-150.00	-4.000	332.666	-2.00	560+0.000	332.746	332.370	0.375	4.000	332.666	-2.00	4.080	332.546	-150.00
-4.336	331.502	-150.00	-4.000	332.006	-2.00	561+0.000	332.086	331.688	0.397	4.000	332.006	-2.00	4.103	331.852	-150.00
-4.367	330.796	-150.00	-4.000	331.346	-2.00	562+0.000	331.426	331.030	0.395	4.000	331.346	-2.00	4.089	331.213	-150.00
-4.349	330.222	-150.00	-4.000	330.745	-2.00	563+0.000	330.825	330.437	0.388	4.000	330.745	-2.00	4.071	330.638	-150.00
-4.340	329.900	-150.00	-4.000	330.410	-2.00	564+0.000	330.490	330.094	0.396	4.000	330.410	-2.00	4.089	330.277	-150.00
-4.327	329.608	-150.00	-4.000	330.098	-2.00	565+0.000	330.178	329.783	0.395	4.000	330.098	-2.00	4.098	329.951	-150.00
-4.342	329.428	-150.00	-4.000	329.941	-2.00	566+0.000	330.021	329.623	0.398	4.000	329.941	-2.00	4.090	329.806	-150.00
-4.336	329.216	-150.00	-4.000	329.720	-2.00	567+0.000	329.800	329.417	0.383	4.000	329.720	-2.00	4.081	329.598	-150.00
-4.302	329.362	-150.00	-4.000	329.815	-2.00	568+0.000	329.895	329.501	0.393	4.000	329.815	-2.00	4.119	329.637	-150.00
-4.291	329.475	-150.00	-4.000	329.911	-2.00	569+0.000	329.991	329.601	0.390	4.000	329.911	-2.00	4.126	329.723	-150.00
-4.278	329.443	-150.00	-4.000	329.860	-2.00	570+0.000	329.940	329.556	0.384	4.000	329.860	-2.00	4.129	329.666	-150.00
-4.226	329.474	-150.00	-4.000	329.813	-2.00	571+0.000	329.893	329.556	0.337	4.000	329.813	-2.00	4.119	329.634	-150.00
-4.170	329.479	-150.00	-4.000	329.733	-2.00	572+0.000	329.813	329.552	0.262	4.000	329.733	-2.00	4.071	329.627	-150.00
-4.245	329.278	-150.00	-4.000	329.645	-2.00	573+0.000	329.725	329.336	0.388	4.000	329.645	-2.00	4.167	329.394	-150.00
-4.151	329.208	-150.00	-4.000	329.435	-2.00	574+0.000	329.515	329.199	0.316	4.000	329.435	-2.00	4.163	329.189	-150.00
-4.174	328.938	-150.00	-4.000	329.199	-2.00	575+0.000	329.279	328.909	0.370	4.000	329.199	-2.00	4.213	328.879	-150.00
-4.187	328.625	-150.00	-4.000	328.906	-2.00	576+0.000	328.986	328.583	0.403	4.000	328.906	-2.00	4.261	328.514	-150.00
-4.194	328.164	-150.00	-4.000	328.455	-2.00	577+0.000	328.535	328.144	0.391	4.000	328.455	-2.00	4.222	328.122	-150.00
-4.182	327.650	-150.00	-4.000	327.923	-2.00	578+0.000	328.003	327.615	0.387	4.000	327.923	-2.00	4.228	327.580	-150.00
-4.236	327.153	-150.00	-4.000	327.506	-2.00	579+0.000	327.586	327.182	0.404	4.000	327.506	-2.00	4.200	327.206	-150.00
-4.218	326.455	-150.00	-4.000	326.783	-2.00	580+0.000	326.863	326.473	0.390	4.000	326.783	-2.00	4.195	326.490	-150.00
-4.242	325.888	-150.00	-4.000	326.251	-2.00	581+0.000	326.331	325.931	0.400	4.000	326.251	-2.00	4.197	325.955	-150.00
-4.269	325.305	-150.00	-4.000	325.707	-2.00	582+0.000	325.787	325.376	0.411	4.000	325.707	-2.00	4.179	325.439	-150.00
-4.258	324.777	-150.00	-4.000	325.164	-2.00	583+0.000	325.244	324.849	0.395	4.000	325.164	-2.00	4.165	324.916	-150.00
-4.409	324.004	-150.00	-4.000	324.618	-2.00	584+0.000	324.698	324.057	0.640	4.000	324.618	-2.00	4.339	324.110	-150.00
-4.338	323.564	-150.00	-4.000	324.071	-2.00	585+0.000	324.151	323.662	0.489	4.000	324.071	-2.00	4.228	323.730	-150.00
-4.260	322.995	-150.00	-4.000	323.385	-2.00	586+0.000	323.465	323.077	0.388	4.000	323.385	-2.00	4.161	323.144	-150.00
-4.208	322.163	-150.00	-4.000	322.475	-2.00	587+0.000	322.555	322.219	0.336	4.000	322.475	-2.00	4.128	322.283	-150.00
-4.149	321.326	-150.00	-4.000	321.550	-2.00	588+0.000	321.630	321.379	0.251	4.000	321.550	-2.00	4.080	321.430	-150.00
-4.148	320.403	-150.00	-4.000	320.625	-2.00	589+0.000	320.705	320.484	0.220	4.000	320.625	-2.00	4.056	320.541	-150.00
-4.186	319.421	-150.00	-4.000	319.699	-2.00	590+0.000	319.779	319.472	0.307	4.000	319.699	-2.00	4.098	319.553	-150.00
-4.187	318.514	-150.00	-4.000	318.794	-2.00	591+0.000	318.874	318.497	0.377	4.000	318.794	-2.00	4.183	318.520	-150.00
-4.115	317.884	-150.00	-4.000	318.056	-2.00	592+0.000	318.136	317.887	0.249	4.000	318.056	-2.00	4.110	317.891	-150.00
-4.153	317.100	-150.00	-4.000	317.329	-2.00	593+0.000	317.409	317.035	0.374	4.000	317.329	-2.00	4.222	316.996	-150.00
-4.188	316.416	-150.00	-4.000	316.698	-2.00	594+0.000	316.778	316.412	0.365	4.000	316.698	-2.00	4.193	316.409	-150.00
-4.190	315.781	-150.00	-4.000	316.066	-2.00	595+0.000	316.146	315.762	0.384	4.000	316.066	-2.00	4.203	315.761	-150.00
-4.236	315.293	-150.00	-4.000	315.647	-2.00	596+0.000	315.727	315.336	0.392	4.000	315.647	-2.00	4.180	315.377	-150.00
-4.248	314.847	-150.00	-4.000	315.219	-2.00	597+0.000	315.299	314.914	0.385	4.000	315.219	-2.00	4.159	314.980	-150.00
-4.255	315.049	-150.00	-4.000	315.431	-2.00	598+0.000	315.511	315.110	0.401	4.000	315.431	-2.00	4.123	315.247	-150.00
-4.293	315.509	-150.00	-4.000	315.948	-2.00	599+0.000	316.028	315.620	0.408	4.000	315.948	-2.00	4.131	315.752	-150.00
-4.346	316.126	-150.00	-4.000	316.646	-2.00	600+0.000	316.726	316.270	0.456	4.000	316.646	-2.00	4.160	316.407	-150.00
-4.385	316.777	-150.00	-4.000	317.355	-2.00	601+0.000	317.435	316.942	0.493	4.000	317.355	-2.00	4.171	317.099	-150.00
-4.339	317.557	-150.00	-4.000	318.065	-2.00	602+0.000	318.145	317.733	0.412	4.000	318.065	-2.00	4.111	317.899	-150.00
-4.366	317.915	-150.00	-4.000	318.464	-2.00	603+0.000	318.544	318.096	0.448	4.000	318.464	-2.00	4.131	318.268	-150.00
-4.311	318.292	-150.00	-4.000	318.759	-2.00	604+0.000	318.839	318.461	0.378	4.000	318.759	-2.00	4.106	318.600	-150.00
-4.324	318.399	-150.00	-4.000	318.885	-2.00	605+0.000	318.965	318.545	0.420	4.000	318.885	-2.00	4.130	318.690	-150.00
-4.325	318.343	-150.00	-4.000	318.831	-2.00	606+0.000	318.911	318.506	0.405	4.000	318.831	-2.00	4.113	318.661	-150.00
-4.332	318.100	-150.00	-4.000	318.597	-2.00	607+0.000	318.677	318.284	0.394	4.000	318.597	-2.00	4.094	318.457	-150.00
-4.343	317.835	-150.00	-4.000	318.350	-2.00	608+0.000	318.430	318.045	0.385	4.000	318.350	-2.00	4.073	318.241	-150.00
-4.314	317.751	-150.00	-4.000	318.222	-2.00	609+0.000	318.302	317.904	0.399	4.000	318.222	-2.00	4.106	318.063	-150.00
-4.401	317.807	-150.00	-4.000	318.408	-2.00	610+0.000	318.488	317.959	0.530	4.000	318.408	-2.00	4.203	318.103	-150.00
-4.421	318.035	-150.00	-4.000	318.666	-2.00	611+0.000	318.746	318.163	0.583	4.000	318.666	-2.00	4.253	318.286	-150.00
-4.392	318.336	-150.00	-4.000	318.924	-2.00	612+0.000	319.004	318.451	0.553	4.000	318.924	-2.00	4.241	318.561	-150.00
-4.375	318.619	-150.00	-4.000	319.181	-2.00	613+0.000	319.261	318.720	0.542	4.000	319.181	-2.00	4.252	318.804	-150.00
-4.349	318.915	-150.00	-4.000	319.439	-2.00	614+0.000	319.519	319.000	0.519	4.000	319.439	-2.00	4.242	319.076	-150.00
-4.317	319.221	-150.00	-4.000	319.696	-2.00	615+0.000	319.776	319.285	0.491	4.000	319.696	-2.00	4.232	319.348	-150.00
-4.260	319.563	-150.00	-4.000	319.954	-2.00	616+0.000	320.034	319.625	0.409	4.000	319.954	-2.00	4.180	319.684	-150.00
-4.243	319.849	-150.00	-4.000	320.213	-2.00	617+0.000	320.293	319.896	0.397	4.000	320.213	-2.00	4.172	319.955	-150.00
-4.198	320.209	-150.00	-4.000	320.506	-2.00	618+0.000	320.586	320.238	0.348	4.000	320.506	-2.00	4.159	320.268	-150.00
-4.262	320.406	-150.00	-4.000	320.799	-2.00	619+0.000	320.879	320.457	0.423	4.000	320.799	-2.00	4.186	320.520	-150.00
-4.258	320.708	-150.00	-4.000	321.094	-2.00	620+0.000	321.174	320.773	0.401	4.000	321.094	-2.00	4.171	320.838	-150.00
-4.259	321.049	-150.00	-4.000	321.438	-2.00	621+0.000	321.518	321.113	0.405	4.000	321.438	-2.00	4.156	321.204	-150.00
-4.248	321.443	-150.00	-4.000	321.815	-2.00	622+0.000	321.895	321.507	0.389	4.000	321.815	-2.00	4.164	321.569	-150.00
-4.195	322.030	-150.00	-4.000	322.322	-2.00	623+0.000	322.402	322.127	0.275	4.000	322.322	-2.00	4.067	322.222	-150.00
-4.249	322.470	-150.00	-4.000	322.844	-2.00	624+0.000	322.924	322.594	0.329	4.000	322.844	-2.00	4.072	322.736	-150.00
-4.295	322.922	-150.00	-4.000	323.365	-2.00	625+0.000	323.445	323.054	0.391	4.000	323.365	-2.00	4.121	323.184	-150.00
-4.317	323.271	-150.00	-4.000	323.747	-2.00	626+0.000	323.827	323.416	0.412	4.000	323.747	-2.00	4.129	323.553	-150.00
-4.317	323.553	-150.00	-4.000	324.029	-2.00	627+0.000	324.109	323.701	0.408	4.000	324.029	-2.00	4.125	323.842	-150.00
-4.294	323.715	-150.00	-4.000	324.157	-2.00	628+0.000	324.237	323.819	0.417	4.000	324.157	-2.00	4.150	323.932	-150.00
-4.286	323.737	-150.00	-4.000	324.167	-2.00	629+0.000	324.247	323.841	0.406	4.000	324.167	-2.00	4.151	323.941	-150.00
-4.274	323.665	-150.00	-4.000	324.075	-2.00	630+0.000	324.155	323.758	0.398	4.000	324.075	-2.00	4.152	323.848	-150.00
-4.288	323.536	-150.00	-4.000	323.967	-2.00	631+0.000	324.047	323.637	0.410	4.000	323.967	-2.00	4.154	323.736	-150.00
-4.284	323.430	-150.00	-4.000	323.856	-2.00	632+0.000	323.936	323.554	0.382	4.000	323.856	-2.00	4.126	323.668	-150.00
-4.303	323.507	-150.00	-4.000	323.962	-2.00	633+0.000	324.042	323.643	0.399	4.000	323.962	-2.00	4.126	323.773	-150.00
-4.341	323.604	-150.00	-4.000	324.115	-2.00	634+0.000	324.195	323.759	0.436	4.000	324.115	-2.00	4.139	323.906	-150.00
-4.333	323.714	-150.00	-4.000	324.214	-2.00	635+0.000	324.294	323.898	0.396	4.000	324.214	-2.00	4.095	324.072	-150.00
-4.347	323.765	-150.00	-4.000	324.287	-2.00	636+0.000	324.367	323.964	0.403	4.000	324.287	-2.00	4.091	324.150	-150.00
-4.345	323.763	-150.00	-4.000	324.279	-2.00	637+0.000	324.359	323.962	0.397	4.000	324.279	-2.00	4.087	324.149	-150.00
-4.344	323.732	-150.00	-4.000	324.248	-2.00	638+0.000	324.328	323.928	0.400	4.000	324.248	-2.00	4.091	324.112	-150.00
-4.335	323.680	-150.00	-4.000	324.183	-2.00	639+0.000	324.263	323.867	0.396	4.000	324.183	-2.00	4.096	324.039	-150.00
-4.357	323.462	-150.00	-4.000	323.998	-2.00	640+0.000	324.078	323.675	0.403	4.000	323.998	-2.00	4.095	323.856	-150.00

Osvaldo Leôncio da Silva
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria

-4.342	323.264	-150.00	-4.000	323.776	-2.00	641+0.000	323.856	323.444	0.412	4.000	323.776	-2.00	4.108	323.614	-150.00
-4.344	323.038	-150.00	-4.000	323.554	-2.00	642+0.000	323.634	323.198	0.436	4.000	323.554	-2.00	4.136	323.351	-150.00
-4.308	322.775	-150.00	-4.000	323.237	-2.00	643+0.000	323.317	322.923	0.394	4.000	323.237	-2.00	4.115	323.065	-150.00
-4.316	322.272	-150.00	-4.000	322.747	-2.00	644+0.000	322.827	322.446	0.381	4.000	322.747	-2.00	4.101	322.596	-150.00
-4.323	321.772	-150.00	-4.000	322.257	-2.00	645+0.000	322.337	321.938	0.399	4.000	322.257	-2.00	4.108	322.095	-150.00
-4.295	321.329	-150.00	-4.000	321.772	-2.00	646+0.000	321.852	321.487	0.365	4.000	321.772	-2.00	4.090	321.637	-150.00
-4.305	320.971	-150.00	-4.000	321.428	-2.00	647+0.000	321.508	321.120	0.388	4.000	321.428	-2.00	4.111	321.262	-150.00
-4.302	320.843	-150.00	-4.000	321.296	-2.00	648+0.000	321.376	320.975	0.401	4.000	321.296	-2.00	4.122	321.113	-150.00
-4.256	320.990	-150.00	-4.000	321.374	-2.00	649+0.000	321.454	321.086	0.368	4.000	321.374	-2.00	4.143	321.159	-150.00
-4.143	321.448	-150.00	-4.000	321.663	-2.00	650+0.000	321.743	321.492	0.251	4.000	321.663	-2.00	4.085	321.535	-150.00
-4.217	321.832	-150.00	-4.000	322.157	-2.00	651+0.000	322.237	321.869	0.368	4.000	322.157	-2.00	4.168	321.905	-150.00
-4.228	322.413	-150.00	-4.000	322.755	-2.00	652+0.000	322.835	322.413	0.422	4.000	322.755	-2.00	4.228	322.413	-150.00
-4.205	322.677	-150.00	-4.000	322.985	-2.00	653+0.000	323.065	322.649	0.417	4.000	322.985	-2.00	4.244	322.620	-150.00
-4.199	322.820	-150.00	-4.000	323.119	-2.00	654+0.000	323.199	322.797	0.403	4.000	323.119	-2.00	4.236	322.765	-150.00
-4.198	322.782	-150.00	-4.000	323.079	-2.00	655+0.000	323.159	322.758	0.401	4.000	323.079	-2.00	4.229	322.735	-150.00
-4.232	322.691	-150.00	-4.000	323.038	-2.00	656+0.000	323.118	322.667	0.451	4.000	323.038	-2.00	4.263	322.644	-150.00
-4.258	322.611	-150.00	-4.000	322.997	-2.00	657+0.000	323.077	322.584	0.493	4.000	322.997	-2.00	4.287	322.567	-150.00
-4.247	322.586	-150.00	-4.000	322.956	-2.00	658+0.000	323.036	322.559	0.477	4.000	322.956	-2.00	4.282	322.532	-150.00
-4.216	322.591	-150.00	-4.000	322.915	-2.00	659+0.000	322.995	322.565	0.430	4.000	322.915	-2.00	4.251	322.538	-150.00
-4.234	322.609	-150.00	-4.000	322.959	-2.00	660+0.000	323.039	322.601	0.439	4.000	322.959	-2.00	4.257	322.574	-150.00
-4.339	322.601	-150.00	-4.000	323.109	-2.00	661+0.000	323.189	322.599	0.591	4.000	323.109	-2.00	4.343	322.596	-150.00
-4.358	322.722	-150.00	-4.000	323.260	-2.00	662+0.000	323.340	322.719	0.620	4.000	323.260	-2.00	4.362	322.717	-150.00
-4.328	322.917	-150.00	-4.000	323.410	-2.00	663+0.000	323.490	322.948	0.541	4.000	323.410	-2.00	4.286	322.981	-150.00
-4.258	323.173	-150.00	-4.000	323.560	-2.00	664+0.000	323.640	323.204	0.436	4.000	323.560	-2.00	4.217	323.235	-150.00
-4.229	323.357	-150.00	-4.000	323.701	-2.00	665+0.000	323.781	323.366	0.415	4.000	323.701	-2.00	4.218	323.373	-150.00
-4.228	323.422	-150.00	-4.000	323.764	-2.00	666+0.000	323.844	323.441	0.403	4.000	323.764	-2.00	4.220	323.434	-150.00
-4.221	323.036	-150.00	-4.000	323.367	-2.00	667+0.000	323.447	323.098	0.350	4.000	323.367	-2.00	4.197	323.072	-150.00
-4.222	322.611	-150.00	-4.000	322.943	-2.00	668+0.000	323.023	322.604	0.419	4.000	322.943	-2.00	4.239	322.584	-150.00
-4.190	322.116	-150.00	-4.000	322.401	-2.00	669+0.000	322.481	322.072	0.409	4.000	322.401	-2.00	4.249	322.027	-150.00
-4.166	321.721	-150.00	-4.000	321.969	-2.00	670+0.000	322.049	321.633	0.417	4.000	321.969	-2.00	4.255	321.587	-150.00
-4.132	321.741	-150.00	-4.000	321.939	-2.00	671+0.000	322.019	321.655	0.365	4.000	321.939	-2.00	4.249	321.566	-150.00
-4.155	321.894	-150.00	-4.000	322.126	-2.00	672+0.000	322.206	321.807	0.399	4.000	322.126	-2.00	4.272	321.718	-150.00
-4.175	322.184	-150.00	-4.000	322.447	-2.00	673+0.000	322.527	322.124	0.402	4.000	322.447	-2.00	4.255	322.064	-150.00
-4.239	322.436	-150.00	-4.000	322.794	-2.00	674+0.000	322.874	322.466	0.408	4.000	322.794	-2.00	4.237	322.439	-150.00
-4.247	322.715	-150.00	-4.000	323.086	-2.00	675+0.000	323.166	322.765	0.401	4.000	323.086	-2.00	4.182	322.813	-150.00
-4.250	322.920	-150.00	-4.000	323.295	-2.00	676+0.000	323.375	322.978	0.397	4.000	323.295	-2.00	4.174	323.034	-150.00
-4.372	323.249	-150.00	-4.000	323.806	-2.00	677+0.000	323.886	323.355	0.531	4.000	323.806	-2.00	4.260	323.417	-150.00
-4.401	323.579	-150.00	-4.000	324.182	-2.00	678+0.000	324.262	323.697	0.564	4.000	324.182	-2.00	4.247	323.811	-150.00
-4.360	323.874	-150.00	-4.000	324.414	-2.00	679+0.000	324.494	324.011	0.483	4.000	324.414	-2.00	4.191	324.127	-150.00
-4.333	324.003	-150.00	-4.000	324.503	-2.00	680+0.000	324.583	324.136	0.446	4.000	324.503	-2.00	4.163	324.258	-150.00
-4.302	324.029	-150.00	-4.000	324.482	-2.00	681+0.000	324.562	324.161	0.401	4.000	324.482	-2.00	4.131	324.285	-150.00
-4.311	323.985	-150.00	-4.000	324.453	-2.00	682+0.000	324.533	324.120	0.413	4.000	324.453	-2.00	4.136	324.248	-150.00
-4.250	323.864	-150.00	-4.000	324.239	-2.00	683+0.000	324.319	323.926	0.393	4.000	324.239	-2.00	4.168	323.987	-150.00
-4.250	323.335	-150.00	-4.000	323.710	-2.00	684+0.000	323.790	323.398	0.392	4.000	323.710	-2.00	4.167	323.460	-150.00
-4.252	322.768	-150.00	-4.000	323.147	-2.00	685+0.000	323.227	322.824	0.403	4.000	323.147	-2.00	4.179	322.879	-150.00
-4.236	321.900	-150.00	-4.000	322.255	-2.00	686+0.000	322.335	321.947	0.388	4.000	322.255	-2.00	4.174	321.994	-150.00
-4.243	321.102	-150.00	-4.000	321.467	-2.00	687+0.000	321.547	321.160	0.387	4.000	321.467	-2.00	4.167	321.217	-150.00
-4.240	320.400	-150.00	-4.000	320.760	-2.00	688+0.000	320.840	320.448	0.392	4.000	320.760	-2.00	4.181	320.488	-150.00
-4.248	319.505	-150.00	-4.000	319.877	-2.00	689+0.000	319.957	319.560	0.396	4.000	319.877	-2.00	4.175	319.615	-150.00
-4.250	318.593	-150.00	-4.000	318.968	-2.00	690+0.000	319.048	318.655	0.393	4.000	318.968	-2.00	4.174	318.707	-150.00
-4.221	317.500	-150.00	-4.000	317.831	-2.00	691+0.000	317.911	317.516	0.395	4.000	317.831	-2.00	4.199	317.532	-150.00
-4.216	316.217	-150.00	-4.000	316.541	-2.00	692+0.000	316.621	316.239	0.383	4.000	316.541	-2.00	4.187	316.260	-150.00
-4.227	314.955	-150.00	-4.000	315.295	-2.00	693+0.000	315.375	314.987	0.388	4.000	315.295	-2.00	4.184	315.019	-150.00
-4.281	313.856	-150.00	-4.000	314.278	-2.00	694+0.000	314.358	313.891	0.467	4.000	314.278	-2.00	4.236	313.924	-150.00
-4.298	312.860	-150.00	-4.000	313.306	-2.00	695+0.000	313.386	312.861	0.525	4.000	313.306	-2.00	4.292	312.868	-150.00
-4.270	311.930	-150.00	-4.000	312.335	-2.00	696+0.000	312.415	311.931	0.485	4.000	312.335	-2.00	4.270	311.931	-150.00
-4.160	311.161	-150.00	-4.000	311.402	-2.00	697+0.000	311.482	311.107	0.375	4.000	311.402	-2.00	4.234	311.051	-150.00
-4.240	310.654	-150.00	-4.000	311.014	-2.00	698+0.000	311.094	310.559	0.535	4.000	311.014	-2.00	4.369	310.461	-150.00
-4.310	310.283	-150.00	-4.000	310.748	-2.00	699+0.000	310.828	310.129	0.700	4.000	310.748	-2.00	4.521	309.966	-150.00
-4.469	309.779	-150.00	-4.000	310.483	-2.00	700+0.000	310.563	309.630	0.933	4.000	310.483	-2.00	4.673	309.474	-150.00
-4.300	309.768	-150.00	-4.000	310.218	-2.00	701+0.000	310.298	309.529	0.769	4.000	310.218	-2.00	4.631	309.272	-150.00
-4.308	309.491	-150.00	-4.000	309.953	-2.00	702+0.000	310.033	309.258	0.775	4.000	309.953	-2.00	4.630	309.007	-150.00
-4.021	309.656	-150.00	-4.000	309.688	-2.00	703+0.000	309.768	309.389	0.378	4.000	309.688	-2.00	4.414	309.067	-150.00
-4.439	309.715	66.67	-4.000	309.422	-2.00	704+0.000	309.502	309.480	0.023	4.000	309.422	-2.00	4.114	309.252	-150.00
-4.886	309.748	66.67	-4.000	309.157	-2.00	705+0.000	309.237	309.492	-0.255	4.000	309.157	-2.00	4.093	309.219	66.67
-4.994	309.554	66.67	-4.000	308.892	-2.00	706+0.000	308.972	309.373	-0.401	4.000	308.892	-2.00	4.354	309.128	66.67
-4.311	308.834	66.67	-4.000	308.627	-2.00	707+0.000	308.707	308.675	0.031	4.000	308.627	-2.00	4.067	308.525	-150.00
-4.069	308.125	-150.00	-4.000	308.228	-2.00	708+0.000	308.308	307.984	0.324	4.000	308.228	-2.00	4.277	307.812	-150.00
-4.110	307.234	-150.00	-4.000	307.399	-2.00	709+0.000	307.479	307.092	0.386	4.000	307.399	-2.00	4.303	306.945	-150.00
-4.115	306.506	-150.00	-4.000	306.679	-2.00	710+0.000	306.759	306.364	0.395	4.000	306.679	-2.00	4.266	306.280	-150.00
-4.213	305.935	-150.00	-4.000	306.254	-2.00	711+0.000	306.334	305.862	0.472	4.000	306.254	-2.00	4.304	305.798	-150.00
-4.176	305.696	-150.00	-4.000	305.959	-2.00	712+0.000	306.039	305.629	0.410	4.000	305.959	-2.00	4.266	305.560	-150.00
-4.150	305.218	-150.00	-4.000	305.443	-2.00	713+0.000	305.523	305.128	0.395	4.000	305.443	-2.00	4.280	305.022	-150.00
-4.157	304.513	-150.00	-4.000	304.749	-2.00	714+0.000	304.829	304.429	0.400	4.000	304.749	-2.00	4.271	304.342	-150.00
-4.147	303.713	-150.00	-4.000	303.934	-2.00	715+0.000	304.014	303.626	0.388	4.000	303.934	-2.00	4.265	303.536	-150.00
-4.141	302.740	-150.00	-4.000	302.952	-2.00	716+0.000	303.032	302.650	0.382	4.000	302.952	-2.00	4.262	302.559	-150.00
-4.148	301.614	-150.00	-4.000	301.836	-2.00	717+0.000	301.916	301.505	0.411	4.000	301.836	-2.00	4.288	301.404	-150.00
-4.142	300.507	-150.00	-4.000	300.720	-2.00	718+0.000	300.800	300.388	0.412	4.000	300.720	-2.00	4.304	300.264	-150.00
-4.168	299.351	-150.00	-4.000	299.604	-2.00	719+0.000	299.684	299.250	0.434	4.000	299.604	-2.00	4.303	299.150	-150.00
-4.145	298.270	-150.00	-4.000	298.488	-2.00	720+0.000	298.568	298.168	0.400	4.000	298.488	-2.00	4.283	298.063	-150.00
-4.111	297.206	-150.00	-4.000	297.372	-2.00	721+0.000	297.452	297.092	0.360	4.000	297.372	-2.00	4.265	296.974	-150.00

Osvaldo Leoncio da Silva Filho
Diretor da Unidade de Engenharia
Projetos e Obras
Secretaria das Cidades

-4.118	296.079	-150.00	-4.000	296.256	-2.00	722+0.000	296.336	295.957	0.379	4.000	296.256	-2.00	4.252	295.878	-150.00
-4.145	295.169	-150.00	-4.000	295.386	-2.00	723+0.000	295.466	295.086	0.380	4.000	295.386	-2.00	4.257	295.001	-150.00
-4.151	294.504	-150.00	-4.000	294.730	-2.00	724+0.000	294.810	294.439	0.371	4.000	294.730	-2.00	4.240	294.369	-150.00
-4.181	294.020	-150.00	-4.000	294.292	-2.00	725+0.000	294.372	293.979	0.393	4.000	294.292	-2.00	4.236	293.938	-150.00
-4.229	293.797	-150.00	-4.000	294.140	-2.00	726+0.000	294.220	293.739	0.481	4.000	294.140	-2.00	4.270	293.735	-150.00
-4.275	293.605	-150.00	-4.000	294.017	-2.00	727+0.000	294.097	293.621	0.476	4.000	294.017	-2.00	4.256	293.634	-150.00
-4.239	293.697	-150.00	-4.000	294.055	-2.00	728+0.000	294.135	293.694	0.442	4.000	294.055	-2.00	4.243	293.690	-150.00
-4.246	293.900	-150.00	-4.000	294.269	-2.00	729+0.000	294.349	293.893	0.456	4.000	294.269	-2.00	4.255	293.886	-150.00
-4.259	294.270	-150.00	-4.000	294.658	-2.00	730+0.000	294.738	294.269	0.469	4.000	294.658	-2.00	4.260	294.268	-150.00
-4.243	294.859	-150.00	-4.000	295.223	-2.00	731+0.000	295.303	294.848	0.455	4.000	295.223	-2.00	4.270	294.819	-150.00
-4.310	295.499	-150.00	-4.000	295.964	-2.00	732+0.000	296.044	295.443	0.601	4.000	295.964	-2.00	4.385	295.386	-150.00
-4.230	296.536	-150.00	-4.000	296.881	-2.00	733+0.000	296.961	296.469	0.491	4.000	296.881	-2.00	4.320	296.401	-150.00
-4.207	297.662	-150.00	-4.000	297.973	-2.00	734+0.000	298.053	297.572	0.481	4.000	297.973	-2.00	4.270	297.568	-150.00
-4.268	298.840	-150.00	-4.000	299.241	-2.00	735+0.000	299.321	298.823	0.498	4.000	299.241	-2.00	4.270	298.837	-150.00
-4.146	300.465	-150.00	-4.000	300.684	-2.00	736+0.000	300.764	300.432	0.332	4.000	300.684	-2.00	4.190	300.399	-150.00
-4.144	301.751	-150.00	-4.000	301.967	-2.00	737+0.000	302.047	301.670	0.377	4.000	301.967	-2.00	4.253	301.588	-150.00
-4.160	302.910	-150.00	-4.000	303.150	-2.00	738+0.000	303.230	302.827	0.403	4.000	303.150	-2.00	4.272	302.742	-150.00
-4.188	304.051	-150.00	-4.000	304.332	-2.00	739+0.000	304.412	303.985	0.427	4.000	304.332	-2.00	4.279	303.913	-150.00
-4.150	305.263	-150.00	-4.000	305.487	-2.00	740+0.000	305.567	305.137	0.430	4.000	305.487	-2.00	4.320	305.007	-150.00
-4.126	306.362	-150.00	-4.000	306.551	-2.00	741+0.000	306.631	306.217	0.413	4.000	306.551	-2.00	4.324	306.065	-150.00
-4.183	307.259	-150.00	-4.000	307.534	-2.00	742+0.000	307.614	307.116	0.499	4.000	307.534	-2.00	4.379	306.965	-150.00
-4.132	308.331	-150.00	-4.000	308.529	-2.00	743+0.000	308.609	308.145	0.465	4.000	308.529	-2.00	4.393	307.940	-150.00
-4.067	309.384	-150.00	-4.000	309.484	-2.00	744+0.000	309.564	309.128	0.436	4.000	309.484	-2.00	4.423	308.850	-150.00
-4.095	310.185	66.67	-4.000	310.122	-2.00	745+0.000	310.202	309.858	0.343	4.000	310.122	-2.00	4.410	309.506	-150.00
			-4.000	310.389	-2.00	746+0.000	310.469	310.042	0.427	4.000	310.389	-2.00	4.491	309.652	-150.00
-4.084	310.343	66.67	-4.000	310.287	-2.00	747+0.000	310.367	309.973	0.394	4.000	310.287	-2.00	4.466	309.587	-150.00
-4.098	310.072	66.67	-4.000	310.007	-2.00	748+0.000	310.087	309.691	0.396	4.000	310.007	-2.00	4.465	309.310	-150.00
-4.101	310.064	66.67	-4.000	309.997	-2.00	749+0.000	310.077	309.698	0.379	4.000	309.997	-2.00	4.462	309.304	-150.00
-4.062	310.215	66.67	-4.000	310.174	-2.00	750+0.000	310.254	309.865	0.389	4.000	310.174	-2.00	4.454	309.492	-150.00
			-4.000	310.565	-2.00	751+0.000	310.645	310.221	0.423	4.000	310.565	-2.00	4.481	309.843	-150.00
-4.027	311.436	66.67	-4.000	311.418	-2.00	752+0.000	311.498	311.104	0.394	4.000	311.418	-2.00	4.454	310.738	-150.00
-4.019	312.450	66.67	-4.000	312.437	-2.00	753+0.000	312.517	312.136	0.381	4.000	312.437	-2.00	4.455	311.754	-150.00
-4.009	313.546	-150.00	-4.000	313.559	-2.00	754+0.000	313.639	313.241	0.398	4.000	313.559	-2.00	4.438	312.903	-150.00
-4.070	314.755	-150.00	-4.000	314.860	-2.00	755+0.000	314.940	314.519	0.422	4.000	314.860	-2.00	4.440	314.200	-150.00
-4.118	315.846	-150.00	-4.000	316.023	-2.00	756+0.000	316.103	315.599	0.503	4.000	316.023	-2.00	4.460	315.332	-150.00
-4.110	316.876	-150.00	-4.000	317.041	-2.00	757+0.000	317.121	316.706	0.416	4.000	317.041	-2.00	4.360	316.502	-150.00
-4.118	317.688	-150.00	-4.000	317.866	-2.00	758+0.000	317.946	317.522	0.423	4.000	317.866	-2.00	4.345	317.348	-150.00
-4.180	318.219	-150.00	-4.000	318.489	-2.00	759+0.000	318.569	318.153	0.416	4.000	318.489	-2.00	4.191	318.203	-150.00
-4.189	318.283	-150.00	-4.000	318.567	-2.00	760+0.000	318.647	318.241	0.406	4.000	318.567	-2.00	4.102	318.413	-150.00
-4.277	317.972	-150.00	-4.000	318.387	-2.00	761+0.000	318.467	318.066	0.402	4.000	318.387	-2.00	4.099	318.239	-150.00
-4.293	317.510	-150.00	-4.000	317.950	-2.00	762+0.000	318.030	317.638	0.392	4.000	317.950	-2.00	4.095	317.807	-150.00
-4.274	316.922	-150.00	-4.000	317.333	-2.00	763+0.000	317.413	317.036	0.377	4.000	317.333	-2.00	4.078	317.217	-150.00
-4.292	316.471	-150.00	-4.000	316.910	-2.00	764+0.000	316.990	316.614	0.376	4.000	316.910	-2.00	4.040	316.850	-150.00
-4.277	316.202	-150.00	-4.000	316.617	-2.00	765+0.000	316.697	316.304	0.393	4.000	316.617	-2.00	4.042	316.555	-150.00
-4.265	316.224	-150.00	-4.000	316.622	-2.00	766+0.000	316.702	316.326	0.376	4.000	316.622	-2.00	4.055	316.540	-150.00
-4.360	316.089	-150.00	-4.000	316.629	-2.00	767+0.000	316.709	316.282	0.428	4.000	316.629	-2.00	4.107	316.469	-150.00
-4.401	315.883	-150.00	-4.000	316.485	-2.00	768+0.000	316.565	316.170	0.395	4.000	316.485	-2.00	4.034	316.433	-150.00
-4.433	315.325	-150.00	-4.000	315.975	-2.00	769+0.000	316.055	315.696	0.359	4.000	315.975	-2.00	4.096	316.039	66.67
-4.453	314.899	-150.00	-4.000	315.578	-2.00	770+0.000	315.658	315.268	0.390	4.000	315.578	-2.00	4.036	315.602	66.67
-4.530	314.054	-150.00	-4.000	314.849	-2.00	771+0.000	314.929	314.518	0.411	4.000	314.849	-2.00	4.140	314.943	66.67
-4.482	313.173	-150.00	-4.000	313.896	-2.00	772+0.000	313.976	313.718	0.258	4.000	313.896	-2.00	4.485	314.219	66.67
-4.501	312.145	-150.00	-4.000	312.897	-2.00	773+0.000	312.977	312.705	0.272	4.000	312.897	-2.00	4.562	313.272	66.67
-4.650	310.848	-150.00	-4.000	311.823	-2.00	774+0.000	311.903	311.557	0.346	4.000	311.823	-2.00	4.671	312.270	66.67
-4.653	309.856	-150.00	-4.000	310.836	-2.00	775+0.000	310.916	310.539	0.377	4.000	310.836	-2.00	4.556	311.207	66.67
-4.643	309.082	-150.00	-4.000	310.047	-2.00	776+0.000	310.127	309.773	0.354	4.000	310.047	-2.00	4.621	310.461	66.67
-4.595	308.753	-150.00	-4.000	309.646	-2.00	777+0.000	309.726	309.341	0.385	4.000	309.646	-2.00	4.385	309.902	66.67
-4.555	308.936	-150.00	-4.000	309.769	-2.00	778+0.000	309.849	309.476	0.372	4.000	309.769	-2.00	4.204	309.905	66.67
-4.516	308.577	-150.00	-4.000	309.352	-2.00	779+0.000	309.432	309.036	0.396	4.000	309.352	-2.00	4.160	309.458	66.67
-4.534	308.265	-150.00	-4.000	309.066	-2.00	780+0.000	309.146	308.729	0.417	4.000	309.066	-2.00	4.164	309.175	66.67
-4.485	307.890	-150.00	-4.000	308.617	-2.00	781+0.000	308.697	308.224	0.474	4.000	308.617	-2.00	4.062	308.659	66.67
-4.439	307.422	-150.00	-4.000	308.080	-2.00	782+0.000	308.160	307.751	0.408	4.000	308.080	-2.00	4.020	308.050	-150.00
-4.568	305.937	-150.00	-4.000	306.788	-2.00	783+0.000	306.868	306.358	0.510	4.000	306.788	-2.00	4.038	306.731	-150.00
-4.306	304.916	-150.00	-4.000	305.375	-2.00	784+0.000	305.455	305.043	0.413	4.000	305.375	-2.00	4.080	305.255	-150.00
-4.332	303.640	-150.00	-4.000	304.138	-2.00	785+0.000	304.218	303.984	0.233	4.000	304.138	-2.00	4.306	304.342	66.67
-4.213	302.703	-150.00	-4.000	303.022	-2.00	786+0.000	303.102	302.726	0.376	4.000	303.022	-2.00	4.113	302.852	-150.00
-4.386	301.986	-150.00	-4.000	302.565	-2.00	787+0.000	302.645	301.984	0.661	4.000	302.565	-2.00	4.380	301.994	-150.00
-4.269	301.849	-150.00	-4.000	302.253	-2.00	788+0.000	302.333	301.634	0.699	4.000	302.253	-2.00	4.415	301.631	-150.00
-4.089	301.762	-150.00	-4.000	301.895	-2.00	789+0.000	301.975	301.577	0.399	4.000	301.895	-2.00	4.344	301.380	-150.00
-4.046	301.366	-150.00	-4.000	301.436	-2.00	790+0.000	301.516	301.135	0.380	4.000	301.436	-2.00	4.373	300.876	-150.00
-4.060	301.139	66.67	-4.000	301.099	-2.00	791+0.000	301.179	300.804	0.375	4.000	301.099	-2.00	4.440	300.439	-150.00
-4.105	300.738	66.67	-4.000	300.668	-2.00	792+0.000	300.748	300.418	0.330	4.000	300.668	-2.00	4.394	300.076	-150.00
-4.029	300.079	66.67	-4.000	300.059	-2.00	793+0.000	300.139	299.776	0.363	4.000	300.059	-2.00	4.410	299.444	-150.00
-4.072	299.425	66.67	-4.000	299.377	-2.00	794+0.000	299.457	299.119	0.338	4.000	299.377	-2.00	4.360	298.837	-150.00
-4.195	298.839	66.67	-4.000	298.709	-2.00	795+0.000	298.789	298.580	0.209	4.000	298.709	-2.00	4.261	298.318	-150.00
-4.300	298.576	66.67	-4.000	298.376	-2.00	796+0.000	298.456	298.262	0.194	4.000	298.376	-2.00	4.285	297.948	-150.00
-4.131	298.310	-150.00	-4.000	298.507	-2.00	797+0.000	298.587	298.135	0.452	4.000	298.507	-2.00	4.315	298.034	-150.00
-4.070	299.149	66.67	-4.000	299.103	-2.00	798+0.000	299.183	298.943	0.240	4.000	299.103	-2.00	4.214	298.782	-150.00
-4.076	300.031	-150.00	-4.000	300.145	-2.00	799+0.000	300.225	299.858	0.367	4.000	300.145	-2.00	4.324	299.660	-150.00
-4.286	300.853	-150.00	-4.000	301.282	-2.00	800+0.000	301.362	300.758	0.604	4.000	301.282	-2.00	4.407	300.671	-150.00
-4.254	301.787	-150.00	-4.000	302.168	-2.00	801+0.000	302.248	301.787	0.462	4.000	302.168	-2.00	4.274	301.757	-150.00
-4.143	302.621	-150.00	-4.000	302.835	-2.00	802+0.000	302.915	302.651	0.265	4.000	302.835	-2.00	4.103	302.680	-150.00

Osvaldo Leôncio da S... Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPRO
Secretaria das Cidades (SC...

-4.143	303.069	-150.00	-4.000	303.283	-2.00	803+0.000	303.363	303.140	0.223	4.000	303.283	-2.00	4.049	303.210	-150.00
-4.192	303.313	-150.00	-4.000	303.601	-2.00	804+0.000	303.681	303.371	0.311	4.000	303.601	-2.00	4.108	303.439	-150.00
-4.243	303.491	-150.00	-4.000	303.856	-2.00	805+0.000	303.936	303.532	0.404	4.000	303.856	-2.00	4.189	303.573	-150.00
-4.192	303.505	-150.00	-4.000	303.793	-2.00	806+0.000	303.873	303.481	0.392	4.000	303.793	-2.00	4.203	303.489	-150.00
-4.219	303.465	-150.00	-4.000	303.794	-2.00	807+0.000	303.874	303.470	0.405	4.000	303.794	-2.00	4.213	303.474	-150.00
-4.223	303.181	-150.00	-4.000	303.516	-2.00	808+0.000	303.596	303.199	0.397	4.000	303.516	-2.00	4.191	303.230	-150.00
-4.240	302.916	-150.00	-4.000	303.275	-2.00	809+0.000	303.355	302.990	0.365	4.000	303.275	-2.00	4.141	303.063	-150.00
-4.253	302.658	-150.00	-4.000	303.038	-2.00	810+0.000	303.118	302.736	0.381	4.000	303.038	-2.00	4.150	302.812	-150.00
-4.325	302.607	-150.00	-4.000	303.095	-2.00	811+0.000	303.175	302.774	0.401	4.000	303.095	-2.00	4.127	302.904	-150.00
-4.334	302.548	-150.00	-4.000	303.050	-2.00	812+0.000	303.130	302.731	0.399	4.000	303.050	-2.00	4.098	302.904	-150.00
-4.333	302.477	-150.00	-4.000	302.977	-2.00	813+0.000	303.057	302.658	0.400	4.000	302.977	-2.00	4.099	302.828	-150.00
-4.402	302.164	-150.00	-4.000	302.767	-2.00	814+0.000	302.847	302.440	0.407	4.000	302.767	-2.00	4.049	302.693	-150.00
-4.391	301.719	-150.00	-4.000	302.306	-2.00	815+0.000	302.386	301.991	0.395	4.000	302.306	-2.00	4.034	302.255	-150.00
-4.442	301.151	-150.00	-4.000	301.813	-2.00	816+0.000	301.893	301.509	0.384	4.000	301.813	-2.00	4.051	301.736	-150.00
-4.365	299.986	-150.00	-4.000	300.533	-2.00	817+0.000	300.613	300.245	0.369	4.000	300.533	-2.00	4.012	300.515	-150.00
-4.361	298.648	-150.00	-4.000	299.190	-2.00	818+0.000	299.270	298.886	0.383	4.000	299.190	-2.00	4.035	299.137	-150.00
-4.312	297.272	-150.00	-4.000	297.740	-2.00	819+0.000	297.820	297.441	0.379	4.000	297.740	-2.00	4.082	297.617	-150.00
-4.281	295.800	-150.00	-4.000	296.221	-2.00	820+0.000	296.301	295.925	0.376	4.000	296.221	-2.00	4.102	296.068	-150.00
-4.257	294.770	-150.00	-4.000	295.154	-2.00	821+0.000	295.234	294.854	0.380	4.000	295.154	-2.00	4.117	294.979	-150.00
-4.239	293.981	-150.00	-4.000	294.340	-2.00	822+0.000	294.420	294.038	0.382	4.000	294.340	-2.00	4.164	294.093	-150.00
-4.212	293.646	-150.00	-4.000	293.963	-2.00	823+0.000	294.043	293.686	0.357	4.000	293.963	-2.00	4.148	293.742	-150.00
-4.178	293.608	-150.00	-4.000	293.876	-2.00	824+0.000	293.956	293.582	0.375	4.000	293.876	-2.00	4.201	293.575	-150.00
-4.207	293.899	-150.00	-4.000	294.210	-2.00	825+0.000	294.290	293.897	0.393	4.000	294.210	-2.00	4.211	293.894	-150.00
-4.168	294.594	-150.00	-4.000	294.846	-2.00	826+0.000	294.926	294.528	0.398	4.000	294.846	-2.00	4.257	294.461	-150.00
-4.150	295.438	-150.00	-4.000	295.663	-2.00	827+0.000	295.743	295.340	0.404	4.000	295.663	-2.00	4.256	295.279	-150.00
-4.109	296.666	-150.00	-4.000	296.830	-2.00	828+0.000	296.910	296.499	0.411	4.000	296.830	-2.00	4.328	296.338	-150.00
-4.101	297.914	-150.00	-4.000	298.065	-2.00	829+0.000	298.145	297.727	0.418	4.000	298.065	-2.00	4.348	297.544	-150.00
-4.096	299.263	-150.00	-4.000	299.407	-2.00	830+0.000	299.487	299.070	0.417	4.000	299.407	-2.00	4.389	298.824	-150.00
-4.049	300.459	-150.00	-4.000	300.532	-2.00	831+0.000	300.612	300.248	0.364	4.000	300.532	-2.00	4.340	300.022	-150.00
-4.050	301.561	-150.00	-4.000	301.636	-2.00	832+0.000	301.716	301.315	0.401	4.000	301.636	-2.00	4.367	301.086	-150.00
-4.019	302.534	-150.00	-4.000	302.563	-2.00	833+0.000	302.643	302.225	0.417	4.000	302.563	-2.00	4.434	301.911	-150.00
-4.019	303.086	-150.00	-4.000	303.114	-2.00	834+0.000	303.194	302.774	0.420	4.000	303.114	-2.00	4.457	302.428	-150.00
-4.032	303.434	-150.00	-4.000	303.482	-2.00	835+0.000	303.562	303.163	0.399	4.000	303.482	-2.00	4.410	302.866	-150.00
-4.031	303.653	-150.00	-4.000	303.700	-2.00	836+0.000	303.780	303.366	0.415	4.000	303.700	-2.00	4.434	303.049	-150.00
-4.151	303.553	66.67	-4.000	303.452	-2.00	837+0.000	303.532	303.307	0.225	4.000	303.452	-2.00	4.265	303.055	-150.00
-4.273	302.983	66.67	-4.000	302.802	-2.00	838+0.000	302.882	302.715	0.167	4.000	302.802	-2.00	4.207	302.491	-150.00
-4.125	302.235	66.67	-4.000	302.151	-2.00	839+0.000	302.231	302.034	0.197	4.000	302.151	-2.00	4.191	301.865	-150.00
-4.018	301.513	66.67	-4.000	301.501	-2.00	840+0.000	301.581	301.325	0.256	4.000	301.501	-2.00	4.255	301.119	-150.00
-4.121	300.679	-150.00	-4.000	300.860	-2.00	841+0.000	300.940	300.573	0.367	4.000	300.860	-2.00	4.245	300.493	-150.00
-4.184	300.196	-150.00	-4.000	300.472	-2.00	842+0.000	300.552	300.094	0.457	4.000	300.472	-2.00	4.308	300.009	-150.00
-4.152	299.864	-150.00	-4.000	300.092	-2.00	843+0.000	300.172	299.763	0.409	4.000	300.092	-2.00	4.288	299.660	-150.00
-4.141	299.589	-150.00	-4.000	299.801	-2.00	844+0.000	299.881	299.484	0.397	4.000	299.801	-2.00	4.279	299.383	-150.00
-4.137	299.461	-150.00	-4.000	299.665	-2.00	845+0.000	299.745	299.343	0.403	4.000	299.665	-2.00	4.285	299.238	-150.00
-4.110	299.378	-150.00	-4.000	299.543	-2.00	846+0.000	299.623	299.228	0.395	4.000	299.543	-2.00	4.264	299.147	-150.00
-4.137	299.411	-150.00	-4.000	299.616	-2.00	847+0.000	299.696	299.329	0.367	4.000	299.616	-2.00	4.247	299.245	-150.00
-4.202	299.346	-150.00	-4.000	299.649	-2.00	848+0.000	299.729	299.287	0.442	4.000	299.649	-2.00	4.282	299.227	-150.00
-4.243	299.279	-150.00	-4.000	299.643	-2.00	849+0.000	299.723	299.282	0.441	4.000	299.643	-2.00	4.238	299.286	-150.00
-4.175	299.511	-150.00	-4.000	299.773	-2.00	850+0.000	299.853	299.462	0.391	4.000	299.773	-2.00	4.241	299.412	-150.00
-4.315	299.905	-150.00	-4.000	300.377	-2.00	851+0.000	300.457	299.933	0.524	4.000	300.377	-2.00	4.275	299.965	-150.00
-4.215	300.734	-150.00	-4.000	301.056	-2.00	852+0.000	301.136	300.715	0.421	4.000	301.056	-2.00	4.240	300.696	-150.00
-4.201	301.482	-150.00	-4.000	301.785	-2.00	853+0.000	301.865	301.459	0.405	4.000	301.785	-2.00	4.206	301.476	-150.00
-4.252	302.211	-150.00	-4.000	302.588	-2.00	854+0.000	302.668	302.257	0.411	4.000	302.588	-2.00	4.198	302.291	-150.00
-4.254	302.906	-150.00	-4.000	303.286	-2.00	855+0.000	303.366	302.954	0.413	4.000	303.286	-2.00	4.191	303.000	-150.00
-4.247	303.326	-150.00	-4.000	303.696	-2.00	856+0.000	303.776	303.376	0.401	4.000	303.696	-2.00	4.234	303.345	-150.00
-4.255	303.211	-150.00	-4.000	303.593	-2.00	857+0.000	303.673	303.267	0.406	4.000	303.593	-2.00	4.180	303.322	-150.00
-4.178	303.016	-150.00	-4.000	303.283	-2.00	858+0.000	303.363	302.992	0.371	4.000	303.283	-2.00	4.221	302.951	-150.00
-4.151	302.383	-150.00	-4.000	302.610	-2.00	859+0.000	302.690	302.235	0.456	4.000	302.610	-2.00	4.271	302.203	-150.00
-4.110	301.773	-150.00	-4.000	301.938	-2.00	860+0.000	302.018	301.627	0.391	4.000	301.938	-2.00	4.309	301.475	-150.00
-4.097	301.121	-150.00	-4.000	301.266	-2.00	861+0.000	301.346	300.961	0.384	4.000	301.266	-2.00	4.315	300.794	-150.00
-4.063	300.542	-150.00	-4.000	300.637	-2.00	862+0.000	300.717	300.333	0.384	4.000	300.637	-2.00	4.321	300.155	-150.00
-4.012	300.146	-150.00	-4.000	300.164	-2.00	863+0.000	300.244	299.875	0.369	4.000	300.164	-2.00	4.391	299.578	-150.00
-4.028	299.672	-150.00	-4.000	299.715	-2.00	864+0.000	299.795	299.409	0.386	4.000	299.715	-2.00	4.356	299.180	-150.00
-4.059	299.377	-150.00	-4.000	299.466	-2.00	865+0.000	299.546	299.155	0.391	4.000	299.466	-2.00	4.367	298.916	-150.00
-4.032	299.468	-150.00	-4.000	299.517	-2.00	866+0.000	299.597	299.195	0.402	4.000	299.517	-2.00	4.415	298.895	-150.00
-4.033	298.872	-150.00	-4.000	298.921	-2.00	867+0.000	299.001	298.588	0.414	4.000	298.921	-2.00	4.431	298.275	-150.00
-4.033	298.241	-150.00	-4.000	298.290	-2.00	868+0.000	298.370	297.992	0.378	4.000	298.290	-2.00	4.379	297.722	-150.00
-4.079	297.384	-150.00	-4.000	297.502	-2.00	869+0.000	297.582	297.182	0.400	4.000	297.502	-2.00	4.357	296.967	-150.00
-4.081	296.442	-150.00	-4.000	296.563	-2.00	870+0.000	296.643	296.219	0.424	4.000	296.563	-2.00	4.390	295.978	-150.00
-4.112	295.432	-150.00	-4.000	295.600	-2.00	871+0.000	295.680	295.212	0.468	4.000	295.600	-2.00	4.416	294.976	-150.00
-4.116	294.463	-150.00	-4.000	294.637	-2.00	872+0.000	294.717	294.219	0.498	4.000	294.637	-2.00	4.434	293.986	-150.00
-4.082	293.551	-150.00	-4.000	293.674	-2.00	873+0.000	293.754	293.247	0.508	4.000	293.674	-2.00	4.379	293.106	-150.00
-4.019	292.682	-150.00	-4.000	292.711	-2.00	874+0.000	292.791	292.372	0.419	4.000	292.711	-2.00	4.455	292.029	-150.00
-4.026	291.479	-150.00	-4.000	291.518	-2.00	875+0.000	291.598	291.216	0.382	4.000	291.518	-2.00	4.382	290.945	-150.00
-4.061	290.250	-150.00	-4.000	290.341	-2.00	876+0.000	290.421	290.045	0.376	4.000	290.341	-2.00	4.365	289.794	-150.00
-4.021	288.927	-150.00	-4.000	288.958	-2.00	877+0.000	289.038	288.656	0.381	4.000	288.958	-2.00	4.379	288.389	-150.00
-4.018	287.659	-150.00	-4.000	287.686	-2.00	878+0.000	287.766	287.382	0.384	4.000	287.686	-2.00	4.404	287.079	-150.00
			-4.000	286.459	-2.00	879+0.000	286.539	286.165	0.374	4.000	286.459	-2.00	4.342	285.947	-150.00
-4.044	285.623	-150.00	-4.000	285.690	-2.00	880+0.000	285.770	285.474	0.296	4.000	285.690	-2.00	4.249	285.317	-150.00
-4.113	285.207	-150.00	-4.000	285.376	-2.00	881+0.000	285.456	285.002	0.455	4.000	285.376	-2.00	4.396	284.782	-150.00
-4.057	285.417	-150.00	-4.000	285.502	-2.00	882+0.000	285.582	285.256	0.326	4.000	285.502	-2.00	4.290	285.068	-150.00
-4.077	285.952	-150.00	-4.000	286.068	-2.00	883+0.000	286.148	285.750	0.398	4.000	286.068	-2.00	4.356	285.534	-150.00

Osvaldo Leôncio da Sil
Diretor da Unidade de Pro
Projetos e Obras - Dtec-SI
Secretaria

-4.113	286.709	-150.00	-4.000	286.879	-2.00	884+0.000	286.959	286.569	0.391	4.000	286.879	-2.00	4.303	286.425	-150.00
-4.190	287.845	-150.00	-4.000	288.131	-2.00	885+0.000	288.211	287.808	0.403	4.000	288.131	-2.00	4.240	287.770	-150.00
-4.177	289.221	-150.00	-4.000	289.488	-2.00	886+0.000	289.568	289.138	0.430	4.000	289.488	-2.00	4.291	289.052	-150.00
-4.178	290.557	-150.00	-4.000	290.825	-2.00	887+0.000	290.905	290.451	0.453	4.000	290.825	-2.00	4.321	290.342	-150.00
-4.141	291.608	-150.00	-4.000	291.819	-2.00	888+0.000	291.899	291.480	0.419	4.000	291.819	-2.00	4.294	291.378	-150.00
-4.120	292.318	-150.00	-4.000	292.497	-2.00	889+0.000	292.577	292.157	0.421	4.000	292.497	-2.00	4.296	292.053	-150.00
-4.104	292.859	-150.00	-4.000	293.015	-2.00	890+0.000	293.095	292.645	0.450	4.000	293.015	-2.00	4.333	292.515	-150.00
-4.088	292.854	-150.00	-4.000	292.986	-2.00	891+0.000	293.066	292.641	0.425	4.000	292.986	-2.00	4.354	292.455	-150.00
-4.129	292.640	-150.00	-4.000	292.834	-2.00	892+0.000	292.914	292.500	0.414	4.000	292.834	-2.00	4.331	292.336	-150.00
-4.096	292.132	-150.00	-4.000	292.276	-2.00	893+0.000	292.356	291.947	0.409	4.000	292.276	-2.00	4.351	291.750	-150.00
-4.052	291.689	-150.00	-4.000	291.766	-2.00	894+0.000	291.846	291.480	0.367	4.000	291.766	-2.00	4.340	291.256	-150.00
-4.062	291.379	-150.00	-4.000	291.472	-2.00	895+0.000	291.552	291.166	0.386	4.000	291.472	-2.00	4.314	291.002	-150.00
-4.107	291.246	-150.00	-4.000	291.406	-2.00	896+0.000	291.486	291.113	0.373	4.000	291.406	-2.00	4.296	290.963	-150.00
-4.177	291.303	-150.00	-4.000	291.569	-2.00	897+0.000	291.649	291.151	0.498	4.000	291.569	-2.00	4.382	290.996	-150.00
-4.109	291.796	-150.00	-4.000	291.959	-2.00	898+0.000	292.039	291.671	0.368	4.000	291.959	-2.00	4.279	291.540	-150.00
-4.094	292.435	-150.00	-4.000	292.576	-2.00	899+0.000	292.656	292.320	0.336	4.000	292.576	-2.00	4.250	292.201	-150.00
-4.106	293.119	-150.00	-4.000	293.279	-2.00	900+0.000	293.359	293.011	0.348	4.000	293.279	-2.00	4.253	292.899	-150.00
-4.141	293.770	-150.00	-4.000	293.981	-2.00	901+0.000	294.061	293.659	0.403	4.000	293.981	-2.00	4.289	293.548	-150.00
-4.141	294.276	-150.00	-4.000	294.488	-2.00	902+0.000	294.568	294.161	0.407	4.000	294.488	-2.00	4.298	294.041	-150.00
-4.102	294.813	-150.00	-4.000	294.965	-2.00	903+0.000	295.045	294.636	0.409	4.000	294.965	-2.00	4.344	294.449	-150.00
-4.121	295.115	-150.00	-4.000	295.297	-2.00	904+0.000	295.377	294.938	0.439	4.000	295.297	-2.00	4.360	294.758	-150.00
-4.111	295.436	-150.00	-4.000	295.603	-2.00	905+0.000	295.683	295.267	0.416	4.000	295.603	-2.00	4.343	295.089	-150.00
-4.121	295.626	-150.00	-4.000	295.809	-2.00	906+0.000	295.889	295.488	0.401	4.000	295.809	-2.00	4.310	295.343	-150.00
-4.151	296.032	-150.00	-4.000	296.260	-2.00	907+0.000	296.340	295.952	0.388	4.000	296.260	-2.00	4.260	295.869	-150.00
-4.193	296.466	-150.00	-4.000	296.755	-2.00	908+0.000	296.835	296.434	0.401	4.000	296.755	-2.00	4.260	296.365	-150.00
-4.143	297.036	-150.00	-4.000	297.250	-2.00	909+0.000	297.330	296.964	0.365	4.000	297.250	-2.00	4.208	296.938	-150.00
-4.083	297.620	-150.00	-4.000	297.745	-2.00	910+0.000	297.825	297.428	0.396	4.000	297.745	-2.00	4.170	297.490	-150.00
-4.115	298.067	-150.00	-4.000	298.240	-2.00	911+0.000	298.320	297.954	0.366	4.000	298.240	-2.00	4.242	297.876	-150.00
-4.116	298.594	-150.00	-4.000	298.768	-2.00	912+0.000	298.848	298.539	0.310	4.000	298.768	-2.00	4.226	298.430	-150.00
-4.202	298.996	-150.00	-4.000	299.298	-2.00	913+0.000	299.378	298.959	0.419	4.000	299.298	-2.00	4.250	298.923	-150.00
-4.292	299.222	-150.00	-4.000	299.661	-2.00	914+0.000	299.741	299.254	0.486	4.000	299.661	-2.00	4.250	299.286	-150.00
-4.329	299.576	-150.00	-4.000	300.069	-2.00	915+0.000	300.149	299.635	0.514	4.000	300.069	-2.00	4.251	299.693	-150.00
-4.331	300.053	-150.00	-4.000	300.549	-2.00	916+0.000	300.629	300.059	0.570	4.000	300.549	-2.00	4.271	300.143	-150.00
-4.213	300.799	-150.00	-4.000	301.118	-2.00	917+0.000	301.198	300.788	0.410	4.000	301.118	-2.00	4.248	300.746	-150.00
-4.214	301.004	-150.00	-4.000	301.325	-2.00	918+0.000	301.405	300.998	0.407	4.000	301.325	-2.00	4.222	300.991	-150.00
-4.175	300.922	-150.00	-4.000	301.184	-2.00	919+0.000	301.264	300.924	0.340	4.000	301.184	-2.00	4.171	300.927	-150.00
-4.209	300.658	-150.00	-4.000	300.971	-2.00	920+0.000	301.051	300.659	0.392	4.000	300.971	-2.00	4.201	300.670	-150.00
-4.174	300.225	-150.00	-4.000	300.487	-2.00	921+0.000	300.567	300.174	0.393	4.000	300.487	-2.00	4.243	300.122	-150.00
-4.188	299.492	-150.00	-4.000	299.774	-2.00	922+0.000	299.854	299.448	0.406	4.000	299.774	-2.00	4.247	299.403	-150.00
-4.184	298.680	-150.00	-4.000	298.956	-2.00	923+0.000	299.036	298.619	0.417	4.000	298.956	-2.00	4.267	298.556	-150.00
-4.135	298.022	-150.00	-4.000	298.224	-2.00	924+0.000	298.304	297.939	0.365	4.000	298.224	-2.00	4.249	297.851	-150.00
-4.096	297.994	-150.00	-4.000	298.138	-2.00	925+0.000	298.218	297.834	0.384	4.000	298.138	-2.00	4.316	297.664	-150.00
-4.226	298.169	-150.00	-4.000	298.508	-2.00	926+0.000	298.588	298.104	0.484	4.000	298.508	-2.00	4.313	298.038	-150.00
-4.207	299.182	-150.00	-4.000	299.493	-2.00	927+0.000	299.573	299.122	0.451	4.000	299.493	-2.00	4.303	299.039	-150.00
-4.253	300.106	-150.00	-4.000	300.485	-2.00	928+0.000	300.565	300.114	0.451	4.000	300.485	-2.00	4.242	300.123	-150.00
-4.235	301.146	-150.00	-4.000	301.499	-2.00	929+0.000	301.579	301.146	0.432	4.000	301.499	-2.00	4.248	301.127	-150.00
-4.260	302.126	-150.00	-4.000	302.516	-2.00	930+0.000	302.596	302.075	0.521	4.000	302.516	-2.00	4.328	302.023	-150.00
-4.152	302.829	-150.00	-4.000	303.057	-2.00	931+0.000	303.137	302.733	0.404	4.000	303.057	-2.00	4.286	302.629	-150.00
-4.118	302.309	-150.00	-4.000	302.486	-2.00	932+0.000	302.566	302.202	0.364	4.000	302.486	-2.00	4.263	302.091	-150.00
-4.100	301.794	-150.00	-4.000	301.943	-2.00	933+0.000	302.023	301.644	0.379	4.000	301.943	-2.00	4.298	301.496	-150.00
-4.132	301.162	-150.00	-4.000	301.360	-2.00	934+0.000	301.440	301.052	0.388	4.000	301.360	-2.00	4.310	300.896	-150.00
-4.087	300.855	-150.00	-4.000	300.986	-2.00	935+0.000	301.066	300.689	0.377	4.000	300.986	-2.00	4.316	300.513	-150.00
-4.140	300.771	-150.00	-4.000	300.980	-2.00	936+0.000	301.060	300.676	0.385	4.000	300.980	-2.00	4.269	300.577	-150.00
-4.123	301.700	-150.00	-4.000	301.884	-2.00	937+0.000	301.964	301.604	0.360	4.000	301.884	-2.00	4.253	301.505	-150.00
-4.136	302.943	-150.00	-4.000	303.147	-2.00	938+0.000	303.227	302.803	0.424	4.000	303.147	-2.00	4.303	302.692	-150.00
-4.161	304.425	-150.00	-4.000	304.666	-2.00	939+0.000	304.746	304.308	0.438	4.000	304.666	-2.00	4.320	304.187	-150.00
-4.244	305.595	-150.00	-4.000	305.961	-2.00	940+0.000	306.041	305.462	0.578	4.000	305.961	-2.00	4.391	305.374	-150.00
-4.169	306.755	-150.00	-4.000	307.008	-2.00	941+0.000	307.088	306.693	0.395	4.000	307.008	-2.00	4.252	306.630	-150.00
-4.199	307.161	-150.00	-4.000	307.460	-2.00	942+0.000	307.540	307.104	0.436	4.000	307.460	-2.00	4.247	307.090	-150.00
-4.249	306.940	-150.00	-4.000	307.314	-2.00	943+0.000	307.394	306.956	0.437	4.000	307.314	-2.00	4.227	306.973	-150.00
-4.244	306.319	-150.00	-4.000	306.685	-2.00	944+0.000	306.765	306.374	0.391	4.000	306.685	-2.00	4.172	306.428	-150.00
-4.250	305.177	-150.00	-4.000	305.552	-2.00	945+0.000	305.632	305.246	0.386	4.000	305.552	-2.00	4.159	305.313	-150.00
-4.241	303.682	-150.00	-4.000	304.043	-2.00	946+0.000	304.123	303.732	0.391	4.000	304.043	-2.00	4.181	303.772	-150.00
-4.196	301.733	-150.00	-4.000	302.026	-2.00	947+0.000	302.106	301.762	0.344	4.000	302.026	-2.00	4.148	301.804	-150.00
-4.192	299.721	-150.00	-4.000	300.009	-2.00	948+0.000	300.089	299.728	0.361	4.000	300.009	-2.00	4.183	299.735	-150.00
-4.176	297.827	-150.00	-4.000	298.091	-2.00	949+0.000	298.171	297.798	0.373	4.000	298.091	-2.00	4.215	297.769	-150.00
-4.158	296.187	-150.00	-4.000	296.425	-2.00	950+0.000	296.505	296.129	0.376	4.000	296.425	-2.00	4.237	296.070	-150.00
-4.191	295.066	-150.00	-4.000	295.353	-2.00	951+0.000	295.433	295.039	0.394	4.000	295.353	-2.00	4.228	295.011	-150.00
-4.159	294.866	-150.00	-4.000	295.105	-2.00	952+0.000	295.185	294.794	0.391	4.000	295.105	-2.00	4.256	294.721	-150.00
-4.215	295.118	-150.00	-4.000	295.441	-2.00	953+0.000	295.521	295.139	0.382	4.000	295.441	-2.00	4.188	295.159	-150.00
-4.204	295.676	-150.00	-4.000	295.982	-2.00	954+0.000	296.062	295.664	0.398	4.000	295.982	-2.00	4.197	295.687	-150.00
-4.278	296.627	-150.00	-4.000	297.044	-2.00	955+0.000	297.124	296.701	0.422	4.000	297.044	-2.00	4.180	296.773	-150.00
-4.262	297.681	-150.00	-4.000	298.073	-2.00	956+0.000	298.153	297.756	0.397	4.000	298.073	-2.00	4.162	297.830	-150.00
-4.327	298.866	-150.00	-4.000	299.357	-2.00	957+0.000	299.437	298.989	0.448	4.000	299.357	-2.00	4.167	299.107	-150.00
-4.314	299.962	-150.00	-4.000	300.434	-2.00	958+0.000	300.514	300.084	0.430	4.000	300.434	-2.00	4.155	300.200	-150.00
-4.302	300.749	-150.00	-4.000	301.203	-2.00	959+0.000	301.283	300.864	0.419	4.000	301.203	-2.00	4.152	300.975	-150.00
-4.345	300.976	-150.00	-4.000	301.493	-2.00	960+0.000	301.573	301.119	0.455	4.000	301.493	-2.00	4.159	301.255	-150.00
-4.338	300.704	-150.00	-4.000	301.210	-2.00	961+0.000	301.290	300.852	0.438	4.000	301.210	-2.00	4.148	300.989	-150.00
-4.338	300.129	-150.00	-4.000	300.636	-2.00	962+0.000	300.716	300.335	0.381	4.000	300.636	-2.00	4.072	300.528	-150.00
-4.348	298.807	-150.00	-4.000	299.330	-2.00	963+0.000	299.410	299.054	0.356	4.000	299.330	-2.00	4.032	299.282	-150.00
-4.280	297.437	-150.00	-4.000	297.858	-2.00	964+0.000	297.938	297.558	0.379	4.000	297.858	-2.00	4.043	297.793	-150.00

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Projetos
Projetos e Obras - Difusão
Secretaria

-4.280	296.132	-150.00	-4.000	296.552	-2.00	965+0.000	296.632	296.294	0.338	4.000	296.552	-2.00	4.069	296.448	-150.00
-4.226	294.974	-150.00	-4.000	295.314	-2.00	966+0.000	295.394	295.134	0.259	4.000	295.314	-2.00	4.018	295.287	-150.00
-4.303	294.094	-150.00	-4.000	294.549	-2.00	967+0.000	294.629	294.099	0.529	4.000	294.549	-2.00	4.197	294.253	-150.00
-4.229	294.007	-150.00	-4.000	294.351	-2.00	968+0.000	294.431	294.003	0.428	4.000	294.351	-2.00	4.234	293.999	-150.00
-4.118	294.543	-150.00	-4.000	294.719	-2.00	969+0.000	294.799	294.519	0.281	4.000	294.719	-2.00	4.150	294.494	-150.00
-4.164	295.398	-150.00	-4.000	295.645	-2.00	970+0.000	295.725	295.304	0.421	4.000	295.645	-2.00	4.285	295.216	-150.00
-4.141	296.641	-150.00	-4.000	296.852	-2.00	971+0.000	296.932	296.520	0.412	4.000	296.852	-2.00	4.300	296.403	-150.00
-4.141	298.113	-150.00	-4.000	298.324	-2.00	972+0.000	298.404	298.004	0.401	4.000	298.324	-2.00	4.290	297.889	-150.00
-4.141	299.590	-150.00	-4.000	299.802	-2.00	973+0.000	299.882	299.508	0.374	4.000	299.802	-2.00	4.263	299.407	-150.00
-4.224	300.878	-150.00	-4.000	301.214	-2.00	974+0.000	301.294	300.792	0.503	4.000	301.214	-2.00	4.341	300.703	-150.00
-4.292	301.818	-150.00	-4.000	302.256	-2.00	975+0.000	302.336	301.776	0.560	4.000	302.256	-2.00	4.348	301.734	-150.00
-4.232	302.538	-150.00	-4.000	302.887	-2.00	976+0.000	302.967	302.519	0.447	4.000	302.887	-2.00	4.258	302.500	-150.00
-4.205	302.799	-150.00	-4.000	303.107	-2.00	977+0.000	303.187	302.856	0.331	4.000	303.107	-2.00	4.130	302.912	-150.00
-4.213	302.596	-150.00	-4.000	302.916	-2.00	978+0.000	302.996	302.696	0.300	4.000	302.916	-2.00	4.093	302.777	-150.00
-4.328	301.823	-150.00	-4.000	302.315	-2.00	979+0.000	302.395	301.949	0.446	4.000	302.315	-2.00	4.164	302.069	-150.00
-4.372	300.745	-150.00	-4.000	301.303	-2.00	980+0.000	301.383	300.903	0.480	4.000	301.303	-2.00	4.144	301.087	-150.00
-4.336	299.533	-150.00	-4.000	300.038	-2.00	981+0.000	300.118	299.671	0.447	4.000	300.038	-2.00	4.161	299.795	-150.00
-4.335	298.267	-150.00	-4.000	298.769	-2.00	982+0.000	298.849	298.447	0.402	4.000	298.769	-2.00	4.101	298.617	-150.00
-4.361	297.077	-150.00	-4.000	297.618	-2.00	983+0.000	297.698	297.305	0.393	4.000	297.618	-2.00	4.066	297.518	-150.00
-4.360	296.336	-150.00	-4.000	296.875	-2.00	984+0.000	296.955	296.563	0.392	4.000	296.875	-2.00	4.067	296.775	-150.00
-4.357	295.763	-150.00	-4.000	296.299	-2.00	985+0.000	296.379	295.998	0.381	4.000	296.299	-2.00	4.055	296.216	-150.00
-4.365	295.286	-150.00	-4.000	295.834	-2.00	986+0.000	295.914	295.522	0.391	4.000	295.834	-2.00	4.061	295.742	-150.00
-4.362	294.857	-150.00	-4.000	295.400	-2.00	987+0.000	295.480	295.080	0.400	4.000	295.400	-2.00	4.075	295.288	-150.00
-4.364	294.230	-150.00	-4.000	294.776	-2.00	988+0.000	294.856	294.469	0.387	4.000	294.776	-2.00	4.057	294.690	-150.00
-4.336	293.649	-150.00	-4.000	294.152	-2.00	989+0.000	294.232	293.844	0.389	4.000	294.152	-2.00	4.084	294.026	-150.00
-4.322	292.941	-150.00	-4.000	293.423	-2.00	990+0.000	293.503	293.118	0.385	4.000	293.423	-2.00	4.092	293.286	-150.00
-4.315	292.261	-150.00	-4.000	292.733	-2.00	991+0.000	292.813	292.429	0.384	4.000	292.733	-2.00	4.096	292.589	-150.00
-4.292	291.711	-150.00	-4.000	292.148	-2.00	992+0.000	292.228	291.839	0.389	4.000	292.148	-2.00	4.087	292.018	-150.00
-4.271	291.750	-150.00	-4.000	292.156	-2.00	993+0.000	292.236	291.864	0.372	4.000	292.156	-2.00	4.113	291.987	-150.00
-4.203	292.011	-150.00	-4.000	292.316	-2.00	994+0.000	292.396	291.992	0.403	4.000	292.316	-2.00	4.233	291.966	-150.00
-4.245	292.453	-150.00	-4.000	292.820	-2.00	995+0.000	292.900	292.433	0.467	4.000	292.820	-2.00	4.273	292.411	-150.00
-4.168	293.072	-150.00	-4.000	293.325	-2.00	996+0.000	293.405	292.925	0.479	4.000	293.325	-2.00	4.371	292.768	-150.00
-4.103	293.674	-150.00	-4.000	293.829	-2.00	997+0.000	293.909	293.499	0.410	4.000	293.829	-2.00	4.347	293.309	-150.00
-4.118	294.156	-150.00	-4.000	294.334	-2.00	998+0.000	294.414	294.005	0.409	4.000	294.334	-2.00	4.352	293.806	-150.00
-4.083	294.649	-150.00	-4.000	294.774	-2.00	999+0.000	294.854	294.460	0.394	4.000	294.774	-2.00	4.332	294.275	-150.00
-4.069	295.067	-150.00	-4.000	295.170	-2.00	1000+0.000	295.250	294.876	0.375	4.000	295.170	-2.00	4.312	294.702	-150.00
-4.083	295.442	-150.00	-4.000	295.567	-2.00	1001+0.000	295.647	295.245	0.403	4.000	295.567	-2.00	4.336	295.063	-150.00
-4.106	295.806	-150.00	-4.000	295.964	-2.00	1002+0.000	296.044	295.637	0.407	4.000	295.964	-2.00	4.285	295.537	-150.00
-4.169	296.078	-150.00	-4.000	296.332	-2.00	1003+0.000	296.412	296.094	0.318	4.000	296.332	-2.00	4.185	296.054	-150.00
-4.224	296.356	-150.00	-4.000	296.693	-2.00	1004+0.000	296.773	296.419	0.354	4.000	296.693	-2.00	4.141	296.481	-150.00
-4.255	296.672	-150.00	-4.000	297.054	-2.00	1005+0.000	297.134	296.809	0.325	4.000	297.054	-2.00	4.076	296.940	-150.00
-4.301	296.990	-150.00	-4.000	297.442	-2.00	1006+0.000	297.522	297.116	0.406	4.000	297.442	-2.00	4.137	297.237	-150.00
-4.318	297.426	-150.00	-4.000	297.904	-2.00	1007+0.000	297.984	297.613	0.371	4.000	297.904	-2.00	4.076	297.789	-150.00
-4.312	297.523	-150.00	-4.000	297.991	-2.00	1008+0.000	298.071	297.731	0.339	4.000	297.991	-2.00	4.043	297.927	-150.00
-4.303	297.471	-150.00	-4.000	297.926	-2.00	1009+0.000	298.006	297.657	0.349	4.000	297.926	-2.00	4.069	297.823	-150.00
-4.387	296.658	-150.00	-4.000	297.240	-2.00	1010+0.000	297.320	296.868	0.452	4.000	297.240	-2.00	4.133	297.041	-150.00
-4.296	295.685	-150.00	-4.000	296.128	-2.00	1011+0.000	296.208	295.795	0.413	4.000	296.128	-2.00	4.269	295.725	-150.00
-4.218	294.186	-150.00	-4.000	294.514	-2.00	1012+0.000	294.594	294.224	0.369	4.000	294.514	-2.00	4.269	294.110	-150.00
-4.198	292.062	-150.00	-4.000	292.358	-2.00	1013+0.000	292.438	292.037	0.401	4.000	292.358	-2.00	4.399	291.759	-150.00
-4.163	289.971	-150.00	-4.000	290.217	-2.00	1014+0.000	290.297	289.896	0.401	4.000	290.217	-2.00	4.449	289.543	-150.00
-4.136	287.905	-150.00	-4.000	288.109	-2.00	1015+0.000	288.189	287.784	0.405	4.000	288.109	-2.00	4.285	287.681	-150.00
-4.080	285.749	-150.00	-4.000	285.869	-2.00	1016+0.000	285.949	285.602	0.347	4.000	285.869	-2.00	4.281	285.448	-150.00
-4.071	283.908	-150.00	-4.000	284.014	-2.00	1017+0.000	284.094	283.723	0.370	4.000	284.014	-2.00	4.324	283.527	-150.00
-4.094	282.372	-150.00	-4.000	282.512	-2.00	1018+0.000	282.592	282.200	0.393	4.000	282.512	-2.00	4.330	282.018	-150.00
-4.058	281.026	-150.00	-4.000	281.114	-2.00	1019+0.000	281.194	280.861	0.333	4.000	281.114	-2.00	4.285	280.686	-150.00
-4.122	279.985	-150.00	-4.000	280.168	-2.00	1020+0.000	280.248	279.755	0.494	4.000	280.168	-2.00	4.395	279.576	-150.00
-4.029	279.636	-150.00	-4.000	279.680	-2.00	1021+0.000	279.760	279.421	0.339	4.000	279.680	-2.00	4.326	279.190	-150.00
-4.096	279.504	-150.00	-4.000	279.648	-2.00	1022+0.000	279.728	279.340	0.388	4.000	279.648	-2.00	4.319	279.169	-150.00
-4.054	279.991	-150.00	-4.000	280.072	-2.00	1023+0.000	280.152	279.765	0.387	4.000	280.072	-2.00	4.367	279.522	-150.00
-4.078	280.627	-150.00	-4.000	280.744	-2.00	1024+0.000	280.824	280.428	0.396	4.000	280.744	-2.00	4.336	280.239	-150.00
-4.024	281.706	-150.00	-4.000	281.741	-2.00	1025+0.000	281.821	281.403	0.418	4.000	281.741	-2.00	4.448	281.069	-150.00
-4.011	282.912	-150.00	-4.000	282.928	-2.00	1026+0.000	283.008	282.615	0.393	4.000	282.928	-2.00	4.390	282.343	-150.00
-4.049	284.043	-150.00	-4.000	284.115	-2.00	1027+0.000	284.195	283.688	0.507	4.000	284.115	-2.00	4.491	283.379	-150.00
-4.033	285.063	66.67	-4.000	285.041	-2.00	1028+0.000	285.121	284.707	0.414	4.000	285.041	-2.00	4.487	284.311	-150.00
-4.026	285.646	-150.00	-4.000	285.685	-2.00	1029+0.000	285.765	285.305	0.460	4.000	285.685	-2.00	4.457	284.999	-150.00
-4.036	285.940	66.67	-4.000	285.916	-2.00	1030+0.000	285.996	285.592	0.405	4.000	285.916	-2.00	4.474	285.205	-150.00
-4.016	285.500	66.67	-4.000	285.489	-2.00	1031+0.000	285.569	285.232	0.337	4.000	285.489	-2.00	4.368	284.937	-150.00
-4.005	285.091	-150.00	-4.000	285.099	-2.00	1032+0.000	285.179	284.788	0.391	4.000	285.099	-2.00	4.371	284.543	-150.00
-4.076	284.994	66.67	-4.000	284.943	-2.00	1033+0.000	285.023	284.657	0.367	4.000	284.943	-2.00	4.435	284.290	-150.00
			-4.000	284.811	-2.00	1034+0.000	284.891	284.464	0.427	4.000	284.811	-2.00	4.482	284.087	-150.00
-4.012	284.914	-150.00	-4.000	284.932	-2.00	1035+0.000	285.012	284.606	0.406	4.000	284.932	-2.00	4.445	284.265	-150.00
-4.018	284.971	-150.00	-4.000	284.998	-2.00	1036+0.000	285.078	284.649	0.429	4.000	284.998	-2.00	4.466	284.299	-150.00
-4.035	284.948	-150.00	-4.000	285.000	-2.00	1037+0.000	285.080	284.696	0.384	4.000	285.000	-2.00	4.380	284.430	-150.00
-4.050	285.185	-150.00	-4.000	285.260	-2.00	1038+0.000	285.340	284.947	0.393	4.000	285.260	-2.00	4.391	284.674	-150.00
-4.094	285.130	-150.00	-4.000	285.271	-2.00	1039+0.000	285.351	284.947	0.403	4.000	285.271	-2.00	4.318	284.793	-150.00
-4.094	285.414	-150.00	-4.000	285.555	-2.00	1040+0.000	285.635	285.251	0.384	4.000	285.555	-2.00	4.317	285.079	-150.00
-4.091	285.850	-150.00	-4.000	285.985	-2.00	1041+0.000	286.065	285.669	0.396	4.000	285.985	-2.00	4.276	285.571	-150.00
-4.047	286.546	-150.00	-4.000	286.617	-2.00	1042+0.000	286.697	286.363	0.334	4.000	286.617	-2.00	4.317	286.142	-150.00
-4.073	287.135	-150.00	-4.000	287.244	-2.00	1043+0.000	287.324	286.966	0.358	4.000	287.244	-2.00	4.304	286.789	-150.00
-4.102	287.597	-150.00	-4.000	287.750	-2.00	1044+0.000	287.830	287.462	0.368	4.000	287.750	-2.00	4.286	287.321	-150.00
-4.182	287.505	-150.00	-4.000	287.778	-2.00	1045+0.000	287.858	287.493	0.365	4.000	287.778	-2.00	4.198	287.482	-150.00

Osvaldo Leôncio da Silva F[illegible]o
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria [illegible]

-4.273	287.165	-150.00	-4.000	287.574	-2.00	1046+0.000	287.654	287.255	0.400	4.000	287.574	-2.00	4.155	287.342	-150.00
-4.182	286.777	-150.00	-4.000	287.050	-2.00	1047+0.000	287.130	286.737	0.393	4.000	287.050	-2.00	4.194	286.760	-150.00
-4.234	286.796	-150.00	-4.000	287.148	-2.00	1048+0.000	287.228	286.818	0.410	4.000	287.148	-2.00	4.206	286.839	-150.00
-4.217	286.539	-150.00	-4.000	286.865	-2.00	1049+0.000	286.945	286.553	0.392	4.000	286.865	-2.00	4.194	286.573	-150.00
-4.306	286.871	-150.00	-4.000	287.329	-2.00	1050+0.000	287.409	287.003	0.406	4.000	287.329	-2.00	4.133	287.130	-150.00
-4.398	287.062	-150.00	-4.000	287.659	-2.00	1051+0.000	287.739	287.172	0.566	4.000	287.659	-2.00	4.248	287.286	-150.00
-4.495	287.118	-150.00	-4.000	287.861	-2.00	1052+0.000	287.941	287.304	0.637	4.000	287.861	-2.00	4.210	287.545	-150.00
-4.466	287.364	-150.00	-4.000	288.063	-2.00	1053+0.000	288.143	287.493	0.650	4.000	288.063	-2.00	4.242	287.699	-150.00
-4.275	287.779	-150.00	-4.000	288.190	-2.00	1054+0.000	288.270	287.869	0.401	4.000	288.190	-2.00	4.156	287.957	-150.00
-4.251	287.823	-150.00	-4.000	288.200	-2.00	1055+0.000	288.280	287.875	0.405	4.000	288.200	-2.00	4.105	288.041	-150.00
-4.322	287.869	-150.00	-4.000	288.351	-2.00	1056+0.000	288.431	288.040	0.390	4.000	288.351	-2.00	4.105	288.194	-150.00
-4.310	288.159	-150.00	-4.000	288.624	-2.00	1057+0.000	288.704	288.294	0.410	4.000	288.624	-2.00	4.133	288.424	-150.00
-4.329	288.637	-150.00	-4.000	289.130	-2.00	1058+0.000	289.210	288.782	0.429	4.000	289.130	-2.00	4.139	288.922	-150.00
-4.304	289.409	-150.00	-4.000	289.866	-2.00	1059+0.000	289.946	289.598	0.348	4.000	289.866	-2.00	4.060	289.777	-150.00
-4.316	290.212	-150.00	-4.000	290.686	-2.00	1060+0.000	290.766	290.460	0.306	4.000	290.686	-2.00	4.038	290.711	66.67
-4.287	291.076	-150.00	-4.000	291.506	-2.00	1061+0.000	291.586	291.350	0.236	4.000	291.506	-2.00	4.267	291.684	66.67
-4.477	291.611	-150.00	-4.000	292.326	-2.00	1062+0.000	292.406	291.996	0.411	4.000	292.326	-2.00	4.023	292.342	66.67
-4.542	292.241	-150.00	-4.000	293.053	-2.00	1063+0.000	293.133	292.752	0.381	4.000	293.053	-2.00	4.270	293.233	66.67
-4.594	292.640	-150.00	-4.000	293.530	-2.00	1064+0.000	293.610	293.165	0.446	4.000	293.530	-2.00	4.166	293.641	66.67
-4.433	293.076	-150.00	-4.000	293.726	-2.00	1065+0.000	293.806	293.425	0.380	4.000	293.726	-2.00	4.026	293.743	66.67
-4.425	292.462	-150.00	-4.000	293.099	-2.00	1066+0.000	293.179	292.796	0.384	4.000	293.099	-2.00	4.026	293.061	-150.00
-4.425	291.489	-150.00	-4.000	292.127	-2.00	1067+0.000	292.207	291.799	0.408	4.000	292.127	-2.00	4.008	292.132	66.67
-4.450	290.719	-150.00	-4.000	291.395	-2.00	1068+0.000	291.475	291.073	0.401	4.000	291.395	-2.00			
-4.590	289.848	-150.00	-4.000	290.733	-2.00	1069+0.000	290.813	290.140	0.672	4.000	290.733	-2.00	4.216	290.409	-150.00
-4.330	289.513	-150.00	-4.000	290.007	-2.00	1070+0.000	290.087	289.669	0.418	4.000	290.007	-2.00	4.126	289.818	-150.00
-4.333	289.116	-150.00	-4.000	289.616	-2.00	1071+0.000	289.696	289.295	0.400	4.000	289.616	-2.00	4.089	289.481	-150.00
-4.374	289.272	-150.00	-4.000	289.832	-2.00	1072+0.000	289.912	289.475	0.437	4.000	289.832	-2.00	4.111	289.666	-150.00
-4.315	289.641	-150.00	-4.000	290.114	-2.00	1073+0.000	290.194	289.820	0.374	4.000	290.114	-2.00	4.093	289.974	-150.00
-4.362	289.276	-150.00	-4.000	289.820	-2.00	1074+0.000	289.900	289.512	0.387	4.000	289.820	-2.00	4.055	289.738	-150.00
-4.319	289.963	-150.00	-4.000	290.441	-2.00	1075+0.000	290.521	290.212	0.309	4.000	290.441	-2.00			
-4.354	290.685	-150.00	-4.000	291.216	-2.00	1076+0.000	291.296	290.921	0.375	4.000	291.216	-2.00	4.050	291.141	-150.00
-4.478	291.505	-150.00	-4.000	292.222	-2.00	1077+0.000	292.302	291.892	0.410	4.000	292.222	-2.00	4.027	292.240	66.67
-4.498	292.716	-150.00	-4.000	293.463	-2.00	1078+0.000	293.543	293.065	0.478	4.000	293.463	-2.00	4.041	293.401	-150.00
-4.505	293.720	-150.00	-4.000	294.478	-2.00	1079+0.000	294.558	293.997	0.561	4.000	294.478	-2.00	4.150	294.252	-150.00
-4.627	294.109	-150.00	-4.000	295.051	-2.00	1080+0.000	295.131	294.560	0.570	4.000	295.051	-2.00	4.061	294.960	-150.00
-4.559	294.791	-150.00	-4.000	295.629	-2.00	1081+0.000	295.709	295.198	0.511	4.000	295.629	-2.00	4.046	295.560	-150.00
-4.764	295.096	-150.00	-4.000	296.242	-2.00	1082+0.000	296.322	295.378	0.944	4.000	296.242	-2.00	4.291	295.805	-150.00
-4.738	295.749	-150.00	-4.000	296.856	-2.00	1083+0.000	296.936	296.450	0.486	4.000	296.856	-2.00	4.333	297.078	66.67
-4.726	296.380	-150.00	-4.000	297.469	-2.00	1084+0.000	297.549	296.924	0.625	4.000	297.469	-2.00	4.052	297.391	-150.00
-4.815	296.860	-150.00	-4.000	298.082	-2.00	1085+0.000	298.162	297.635	0.528	4.000	298.082	-2.00	4.388	298.341	66.67
-4.560	297.851	-150.00	-4.000	298.692	-2.00	1086+0.000	298.772	298.378	0.393	4.000	298.692	-2.00	4.271	298.873	66.67
-4.604	298.200	-150.00	-4.000	299.105	-2.00	1087+0.000	299.185	298.680	0.505	4.000	299.105	-2.00			
-4.528	298.447	-150.00	-4.000	299.239	-2.00	1088+0.000	299.319	298.725	0.594	4.000	299.239	-2.00	4.054	299.158	-150.00
-4.417	298.694	-150.00	-4.000	299.319	-2.00	1089+0.000	299.399	298.965	0.433	4.000	299.319	-2.00	4.068	299.216	-150.00
-4.474	298.461	-150.00	-4.000	299.173	-2.00	1090+0.000	299.253	298.813	0.440	4.000	299.173	-2.00	4.044	299.107	-150.00
-4.594	297.984	-150.00	-4.000	298.875	-2.00	1091+0.000	298.955	298.232	0.722	4.000	298.875	-2.00	4.254	298.494	-150.00
-4.263	298.182	-150.00	-4.000	298.577	-2.00	1092+0.000	298.657	298.257	0.400	4.000	298.577	-2.00	4.164	298.331	-150.00
-4.166	298.110	-150.00	-4.000	298.359	-2.00	1093+0.000	298.439	298.062	0.377	4.000	298.359	-2.00	4.145	298.142	-150.00
-4.298	298.292	-150.00	-4.000	298.738	-2.00	1094+0.000	298.818	298.437	0.381	4.000	298.738	-2.00	4.108	298.576	-150.00
-4.295	298.739	-150.00	-4.000	299.181	-2.00	1095+0.000	299.261	298.775	0.486	4.000	299.181	-2.00	4.247	298.811	-150.00
-4.180	298.838	-150.00	-4.000	299.108	-2.00	1096+0.000	299.188	298.801	0.387	4.000	299.108	-2.00	4.230	298.763	-150.00
-4.277	298.694	-150.00	-4.000	299.110	-2.00	1097+0.000	299.190	298.816	0.374	4.000	299.110	-2.00	4.087	298.980	-150.00
-4.327	298.775	-150.00	-4.000	299.265	-2.00	1098+0.000	299.345	298.876	0.469	4.000	299.265	-2.00	4.181	298.994	-150.00
-4.279	299.003	-150.00	-4.000	299.421	-2.00	1099+0.000	299.501	299.096	0.405	4.000	299.421	-2.00	4.157	299.186	-150.00
-4.281	299.161	-150.00	-4.000	299.582	-2.00	1100+0.000	299.662	299.252	0.410	4.000	299.582	-2.00	4.161	299.341	-150.00
-4.283	299.456	-150.00	-4.000	299.880	-2.00	1101+0.000	299.960	299.503	0.458	4.000	299.880	-2.00	4.221	299.549	-150.00
-4.253	300.050	-150.00	-4.000	300.429	-2.00	1102+0.000	300.509	300.086	0.423	4.000	300.429	-2.00	4.205	300.121	-150.00
-4.238	300.673	-150.00	-4.000	301.031	-2.00	1103+0.000	301.111	300.708	0.402	4.000	301.031	-2.00	4.194	300.740	-150.00
-4.243	301.326	-150.00	-4.000	301.690	-2.00	1104+0.000	301.770	301.361	0.409	4.000	301.690	-2.00	4.182	301.417	-150.00
-4.221	301.857	-150.00	-4.000	302.189	-2.00	1105+0.000	302.269	301.861	0.409	4.000	302.189	-2.00	4.117	302.014	-150.00
-4.210	302.277	-150.00	-4.000	302.593	-2.00	1106+0.000	302.673	302.265	0.408	4.000	302.593	-2.00	4.070	302.487	-150.00
-4.219	302.585	-150.00	-4.000	302.913	-2.00	1107+0.000	302.993	302.566	0.427	4.000	302.913	-2.00	4.047	302.843	-150.00
-4.151	302.705	-150.00	-4.000	302.932	-2.00	1108+0.000	303.012	302.611	0.401	4.000	302.932	-2.00	4.072	302.824	-150.00
-4.163	302.664	-150.00	-4.000	302.908	-2.00	1109+0.000	302.988	302.594	0.393	4.000	302.908	-2.00	4.087	302.778	-150.00
-4.201	303.084	-150.00	-4.000	303.385	-2.00	1110+0.000	303.465	303.046	0.419	4.000	303.385	-2.00	4.130	303.190	-150.00
-4.207	303.259	-150.00	-4.000	303.569	-2.00	1111+0.000	303.649	303.257	0.393	4.000	303.569	-2.00	4.166	303.320	-150.00
-4.200	303.347	-150.00	-4.000	303.647	-2.00	1112+0.000	303.727	303.343	0.384	4.000	303.647	-2.00	4.159	303.409	-150.00
-4.263	303.444	-150.00	-4.000	303.839	-2.00	1113+0.000	303.919	303.512	0.407	4.000	303.839	-2.00	4.173	303.579	-150.00
-4.322	303.562	-150.00	-4.000	304.045	-2.00	1114+0.000	304.125	303.718	0.407	4.000	304.045	-2.00	4.119	303.866	-150.00
-4.207	303.941	-150.00	-4.000	304.251	-2.00	1115+0.000	304.331	304.090	0.242	4.000	304.251	-2.00	4.013	304.231	-150.00
-4.311	303.992	-150.00	-4.000	304.458	-2.00	1116+0.000	304.538	304.192	0.346	4.000	304.458	-2.00	4.052	304.380	-150.00
-4.378	304.117	-150.00	-4.000	304.684	-2.00	1117+0.000	304.764	304.369	0.396	4.000	304.684	-2.00	4.045	304.618	-150.00
-4.398	304.495	-150.00	-4.000	305.092	-2.00	1118+0.000	305.172	304.765	0.407	4.000	305.092	-2.00	4.052	305.014	-150.00
-4.350	304.705	-150.00	-4.000	305.231	-2.00	1119+0.000	305.311	304.923	0.388	4.000	305.231	-2.00	4.069	305.127	-150.00
-4.312	305.080	-150.00	-4.000	305.548	-2.00	1120+0.000	305.628	305.265	0.363	4.000	305.548	-2.00	4.084	305.421	-150.00
-4.353	305.655	-150.00	-4.000	306.185	-2.00	1121+0.000	306.265	305.822	0.444	4.000	306.185	-2.00	4.137	305.980	-150.00
-4.309	306.361	-150.00	-4.000	306.825	-2.00	1122+0.000	306.905	306.480	0.425	4.000	306.825	-2.00	4.154	306.594	-150.00
-4.308	307.002	-150.00	-4.000	307.464	-2.00	1123+0.000	307.544	307.111	0.433	4.000	307.464	-2.00	4.166	307.215	-150.00
-4.310	307.632	-150.00	-4.000	308.097	-2.00	1124+0.000	308.177	307.736	0.441	4.000	308.097	-2.00	4.161	307.855	-150.00
-4.255	307.874	-150.00	-4.000	308.257	-2.00	1125+0.000	308.337	307.938	0.399	4.000	308.257	-2.00	4.155	308.025	-150.00
-4.263	307.953	-150.00	-4.000	308.347	-2.00	1126+0.000	308.427	308.033	0.395	4.000	308.347	-2.00	4.135	308.145	-150.00

Osvaldo Leônicio da Silva Filho
Diretor da Unidade de Projetos
Projetos e Obras - DUPPO
Secretaria das Cidades (Sedur)

-4.278	308.242	-150.00	-4.000	308.658	-2.00	1127+0.000	308.738	308.337	0.402	4.000	308.658	-2.00	4.136	308.454	-150.00
-4.256	308.462	-150.00	-4.000	308.846	-2.00	1128+0.000	308.926	308.528	0.398	4.000	308.846	-2.00	4.147	308.626	-150.00
-4.228	308.673	-150.00	-4.000	309.015	-2.00	1129+0.000	309.095	308.696	0.399	4.000	309.015	-2.00	4.201	308.714	-150.00
-4.231	308.949	-150.00	-4.000	309.295	-2.00	1130+0.000	309.375	308.960	0.415	4.000	309.295	-2.00	4.212	308.977	-150.00
-4.247	309.122	-150.00	-4.000	309.492	-2.00	1131+0.000	309.572	309.142	0.430	4.000	309.492	-2.00	4.221	309.161	-150.00
-4.197	309.116	-150.00	-4.000	309.412	-2.00	1132+0.000	309.492	309.046	0.446	4.000	309.412	-2.00	4.290	308.976	-150.00
-4.123	308.778	-150.00	-4.000	308.963	-2.00	1133+0.000	309.043	308.703	0.339	4.000	308.963	-2.00	4.224	308.626	-150.00
-4.243	307.890	-150.00	-4.000	308.253	-2.00	1134+0.000	308.333	307.925	0.408	4.000	308.253	-2.00	4.172	307.995	-150.00
-4.137	307.452	-150.00	-4.000	307.658	-2.00	1135+0.000	307.738	307.506	0.232	4.000	307.658	-2.00	4.068	307.556	-150.00
-4.175	306.953	-150.00	-4.000	307.215	-2.00	1136+0.000	307.295	307.061	0.234	4.000	307.215	-2.00	4.033	307.165	-150.00
-4.289	306.564	-150.00	-4.000	306.998	-2.00	1137+0.000	307.078	306.701	0.378	4.000	306.998	-2.00	4.111	306.832	-150.00
-4.263	306.615	-150.00	-4.000	307.010	-2.00	1138+0.000	307.090	306.776	0.314	4.000	307.010	-2.00	4.070	306.905	-150.00
-4.309	306.778	-150.00	-4.000	307.241	-2.00	1139+0.000	307.321	306.947	0.374	4.000	307.241	-2.00	4.089	307.107	-150.00
-4.361	306.994	-150.00	-4.000	307.535	-2.00	1140+0.000	307.615	307.212	0.403	4.000	307.535	-2.00	4.079	307.416	-150.00
-4.353	307.300	-150.00	-4.000	307.829	-2.00	1141+0.000	307.909	307.519	0.391	4.000	307.829	-2.00	4.071	307.724	-150.00
-4.374	307.709	-150.00	-4.000	308.270	-2.00	1142+0.000	308.350	307.934	0.416	4.000	308.270	-2.00	4.084	308.144	-150.00
-4.380	308.081	-150.00	-4.000	308.651	-2.00	1143+0.000	308.731	308.342	0.389	4.000	308.651	-2.00	4.045	308.583	-150.00
-4.368	308.088	-150.00	-4.000	308.640	-2.00	1144+0.000	308.720	308.302	0.419	4.000	308.640	-2.00	4.093	308.501	-150.00
-4.353	308.042	-150.00	-4.000	308.572	-2.00	1145+0.000	308.652	308.222	0.429	4.000	308.572	-2.00	4.122	308.389	-150.00
-4.347	307.843	-150.00	-4.000	308.364	-2.00	1146+0.000	308.444	308.044	0.400	4.000	308.364	-2.00	4.088	308.233	-150.00
-4.379	307.784	-150.00	-4.000	308.352	-2.00	1147+0.000	308.432	307.993	0.439	4.000	308.352	-2.00	4.122	308.169	-150.00
-4.382	307.874	-150.00	-4.000	308.447	-2.00	1148+0.000	308.527	308.080	0.447	4.000	308.447	-2.00	4.115	308.274	-150.00
-4.351	308.210	-150.00	-4.000	308.737	-2.00	1149+0.000	308.817	308.390	0.427	4.000	308.737	-2.00	4.111	308.570	-150.00
-4.298	308.688	-150.00	-4.000	309.135	-2.00	1150+0.000	309.215	308.836	0.379	4.000	309.135	-2.00	4.109	308.972	-150.00
-4.297	308.964	-150.00	-4.000	309.409	-2.00	1151+0.000	309.489	309.084	0.405	4.000	309.409	-2.00	4.140	309.199	-150.00
-4.294	309.251	-150.00	-4.000	309.692	-2.00	1152+0.000	309.772	309.361	0.411	4.000	309.692	-2.00	4.150	309.467	-150.00
-4.279	309.562	-150.00	-4.000	309.981	-2.00	1153+0.000	310.061	309.655	0.405	4.000	309.981	-2.00	4.156	309.746	-150.00
-4.270	309.758	-150.00	-4.000	310.163	-2.00	1154+0.000	310.243	309.852	0.391	4.000	310.163	-2.00	4.146	309.944	-150.00
-4.276	309.877	-150.00	-4.000	310.290	-2.00	1155+0.000	310.370	309.951	0.419	4.000	310.290	-2.00	4.175	310.028	-150.00
-4.272	310.257	-150.00	-4.000	310.664	-2.00	1156+0.000	310.744	310.312	0.433	4.000	310.664	-2.00	4.199	310.366	-150.00
-4.281	310.892	-150.00	-4.000	311.315	-2.00	1157+0.000	311.395	310.931	0.464	4.000	311.315	-2.00	4.230	310.969	-150.00
-4.300	311.666	-150.00	-4.000	312.115	-2.00	1158+0.000	312.195	311.737	0.458	4.000	312.115	-2.00	4.206	311.806	-150.00
-4.293	312.476	-150.00	-4.000	312.915	-2.00	1159+0.000	312.995	312.527	0.469	4.000	312.915	-2.00	4.226	312.577	-150.00
-4.288	313.267	-150.00	-4.000	313.699	-2.00	1160+0.000	313.779	313.373	0.406	4.000	313.699	-2.00	4.178	313.432	-150.00
-4.312	313.646	-150.00	-4.000	314.114	-2.00	1161+0.000	314.194	313.748	0.447	4.000	314.114	-2.00	4.179	313.846	-150.00
-4.246	313.942	-150.00	-4.000	314.312	-2.00	1162+0.000	314.392	314.103	0.289	4.000	314.312	-2.00	4.065	314.215	-150.00
-4.266	313.810	-150.00	-4.000	314.209	-2.00	1163+0.000	314.289	313.975	0.314	4.000	314.209	-2.00	4.052	314.131	-150.00
-4.275	313.392	-150.00	-4.000	313.804	-2.00	1164+0.000	313.884	313.543	0.341	4.000	313.804	-2.00	4.073	313.694	-150.00
-4.264	312.702	-150.00	-4.000	313.097	-2.00	1165+0.000	313.177	312.835	0.342	4.000	313.097	-2.00	4.090	312.963	-150.00
-4.241	311.799	-150.00	-4.000	312.161	-2.00	1166+0.000	312.241	311.923	0.318	4.000	312.161	-2.00	4.079	312.043	-150.00
-4.284	310.785	-150.00	-4.000	311.211	-2.00	1167+0.000	311.291	310.911	0.379	4.000	311.211	-2.00	4.119	311.032	-150.00
-4.293	309.868	-150.00	-4.000	310.308	-2.00	1168+0.000	310.388	310.018	0.371	4.000	310.308	-2.00	4.099	310.161	-150.00
-4.356	309.039	-150.00	-4.000	309.573	-2.00	1169+0.000	309.653	309.250	0.403	4.000	309.573	-2.00	4.083	309.448	-150.00
-4.380	308.440	-150.00	-4.000	309.010	-2.00	1170+0.000	309.090	308.704	0.386	4.000	309.010	-2.00	4.041	308.948	-150.00
-4.378	308.038	-150.00	-4.000	308.605	-2.00	1171+0.000	308.685	308.350	0.335	4.000	308.605	-2.00	4.051	308.639	66.67
-4.449	307.581	-150.00	-4.000	308.254	-2.00	1172+0.000	308.334	307.944	0.390	4.000	308.254	-2.00	4.028	308.273	66.67
-4.450	307.357	-150.00	-4.000	308.032	-2.00	1173+0.000	308.112	307.721	0.390	4.000	308.032	-2.00	4.029	308.051	66.67
-4.452	307.223	-150.00	-4.000	307.901	-2.00	1174+0.000	307.981	307.649	0.332	4.000	307.901	-2.00	4.180	308.021	66.67
-4.395	307.180	-150.00	-4.000	307.773	-2.00	1175+0.000	307.853	307.593	0.261	4.000	307.773	-2.00	4.340	308.000	66.67
-4.341	307.133	-150.00	-4.000	307.645	-2.00	1176+0.000	307.725	307.541	0.184	4.000	307.645	-2.00	4.474	307.961	66.67
-4.366	306.967	-150.00	-4.000	307.517	-2.00	1177+0.000	307.597	307.347	0.250	4.000	307.517	-2.00	4.309	307.722	66.67
-4.473	306.652	-150.00	-4.000	307.361	-2.00	1178+0.000	307.441	307.046	0.396	4.000	307.361	-2.00	4.058	307.400	66.67
-4.497	306.255	-150.00	-4.000	306.999	-2.00	1179+0.000	307.079	306.643	0.436	4.000	306.999	-2.00	4.007	306.990	-150.00
-4.486	305.905	-150.00	-4.000	306.634	-2.00	1180+0.000	306.714	306.287	0.426	4.000	306.634	-2.00			
-4.450	305.622	-150.00	-4.000	306.297	-2.00	1181+0.000	306.377	305.995	0.382	4.000	306.297	-2.00	4.056	306.335	66.67
-4.455	305.592	-150.00	-4.000	306.275	-2.00	1182+0.000	306.355	305.954	0.401	4.000	306.275	-2.00	4.036	306.299	66.67
-4.438	305.752	-150.00	-4.000	306.410	-2.00	1183+0.000	306.490	306.106	0.383	4.000	306.410	-2.00	4.027	306.428	66.67
-4.428	306.009	-150.00	-4.000	306.651	-2.00	1184+0.000	306.731	306.330	0.401	4.000	306.651	-2.00	4.020	306.621	-150.00
-4.433	306.205	-150.00	-4.000	306.854	-2.00	1185+0.000	306.934	306.514	0.419	4.000	306.854	-2.00	4.038	306.796	-150.00
-4.432	306.319	-150.00	-4.000	306.966	-2.00	1186+0.000	307.046	306.622	0.424	4.000	306.966	-2.00	4.044	306.900	-150.00
-4.418	306.248	-150.00	-4.000	306.875	-2.00	1187+0.000	306.955	306.519	0.437	4.000	306.875	-2.00	4.072	306.768	-150.00
-4.397	306.033	-150.00	-4.000	306.629	-2.00	1188+0.000	306.709	306.300	0.408	4.000	306.629	-2.00	4.055	306.547	-150.00
-4.386	305.747	-150.00	-4.000	306.326	-2.00	1189+0.000	306.406	306.016	0.390	4.000	306.326	-2.00	4.041	306.264	-150.00
-4.386	305.475	-150.00	-4.000	306.055	-2.00	1190+0.000	306.135	305.741	0.394	4.000	306.055	-2.00	4.046	305.986	-150.00
-4.385	305.314	-150.00	-4.000	305.891	-2.00	1191+0.000	305.971	305.577	0.394	4.000	305.891	-2.00	4.046	305.823	-150.00
-4.387	305.258	-150.00	-4.000	305.839	-2.00	1192+0.000	305.919	305.515	0.404	4.000	305.839	-2.00	4.056	305.754	-150.00
-4.372	305.277	-150.00	-4.000	305.835	-2.00	1193+0.000	305.915	305.525	0.390	4.000	305.835	-2.00	4.048	305.762	-150.00
-4.368	305.256	-150.00	-4.000	305.809	-2.00	1194+0.000	305.889	305.493	0.395	4.000	305.809	-2.00	4.063	305.714	-150.00
-4.331	305.180	-150.00	-4.000	305.676	-2.00	1195+0.000	305.756	305.374	0.383	4.000	305.676	-2.00	4.078	305.560	-150.00
-4.342	304.917	-150.00	-4.000	305.430	-2.00	1196+0.000	305.510	305.106	0.404	4.000	305.430	-2.00	4.097	305.284	-150.00
-4.332	304.740	-150.00	-4.000	305.238	-2.00	1197+0.000	305.318	304.920	0.398	4.000	305.238	-2.00	4.098	305.091	-150.00
-4.343	304.629	-150.00	-4.000	305.144	-2.00	1198+0.000	305.224	304.829	0.395	4.000	305.144	-2.00	4.085	305.017	-150.00
-4.349	304.761	-150.00	-4.000	305.285	-2.00	1199+0.000	305.365	304.973	0.392	4.000	305.285	-2.00	4.075	305.172	-150.00
-4.376	305.083	-150.00	-4.000	305.648	-2.00	1200+0.000	305.728	305.316	0.412	4.000	305.648	-2.00	4.076	305.534	-150.00
-4.424	305.747	-150.00	-4.000	306.382	-2.00	1201+0.000	306.462	305.989	0.473	4.000	306.382	-2.00	4.112	306.214	-150.00
-4.438	306.519	-150.00	-4.000	307.176	-2.00	1202+0.000	307.256	306.769	0.487	4.000	307.176	-2.00	4.117	307.000	-150.00
-4.348	307.256	-150.00	-4.000	307.777	-2.00	1203+0.000	307.857	307.538	0.320	4.000	307.777	-2.00	4.019	307.749	-150.00
-4.434	307.587	-150.00	-4.000	308.238	-2.00	1204+0.000	308.318	307.904	0.414	4.000	308.238	-2.00	4.030	308.193	-150.00
-4.391	307.367	-150.00	-4.000	307.953	-2.00	1205+0.000	308.033	307.630	0.403	4.000	307.953	-2.00	4.053	307.874	-150.00
-4.368	306.761	-150.00	-4.000	307.314	-2.00	1206+0.000	307.394	307.009	0.384	4.000	307.314	-2.00	4.050	307.239	-150.00
-4.382	305.849	-150.00	-4.000	306.423	-2.00	1207+0.000	306.503	306.082	0.421	4.000	306.423	-2.00	4.078	306.306	-150.00

Osvaldo Leôncio da Su
Diretor da Unidade de Proj
Projetos e Obras
Secretaria

-4.360	304.950	-150.00	-4.000	305.490	-2.00	1208+0.000	305.570	305.201	0.370	4.000	305.490	-2.00	4.039	305.432	-150.00
-4.378	304.317	-150.00	-4.000	304.883	-2.00	1209+0.000	304.963	304.459	0.504	4.000	304.883	-2.00	4.191	304.596	-150.00
-4.362	304.013	-150.00	-4.000	304.556	-2.00	1210+0.000	304.636	304.154	0.482	4.000	304.556	-2.00	4.178	304.289	-150.00
-4.360	303.800	-150.00	-4.000	304.340	-2.00	1211+0.000	304.420	303.962	0.459	4.000	304.340	-2.00	4.159	304.102	-150.00
-4.302	303.759	-150.00	-4.000	304.212	-2.00	1212+0.000	304.292	303.902	0.389	4.000	304.212	-2.00	4.115	304.040	-150.00
-4.301	303.799	-150.00	-4.000	304.250	-2.00	1213+0.000	304.330	303.933	0.397	4.000	304.250	-2.00	4.125	304.062	-150.00
-4.285	303.643	-150.00	-4.000	304.071	-2.00	1214+0.000	304.151	303.740	0.411	4.000	304.071	-2.00	4.158	303.834	-150.00
-4.237	303.450	-150.00	-4.000	303.805	-2.00	1215+0.000	303.885	303.506	0.379	4.000	303.805	-2.00	4.162	303.561	-150.00
-4.236	303.184	-150.00	-4.000	303.538	-2.00	1216+0.000	303.618	303.226	0.392	4.000	303.538	-2.00	4.175	303.276	-150.00
-4.219	302.968	-150.00	-4.000	303.297	-2.00	1217+0.000	303.377	302.992	0.385	4.000	303.297	-2.00	4.187	303.016	-150.00
-4.201	302.856	-150.00	-4.000	303.157	-2.00	1218+0.000	303.237	302.845	0.392	4.000	303.157	-2.00	4.215	302.834	-150.00
-4.190	302.837	-150.00	-4.000	303.122	-2.00	1219+0.000	303.202	302.826	0.376	4.000	303.122	-2.00	4.204	302.816	-150.00
-4.216	302.763	-150.00	-4.000	303.087	-2.00	1220+0.000	303.167	302.723	0.445	4.000	303.087	-2.00	4.270	302.682	-150.00
-4.175	302.837	-150.00	-4.000	303.100	-2.00	1221+0.000	303.180	302.781	0.399	4.000	303.100	-2.00	4.249	302.727	-150.00
-4.172	303.001	-150.00	-4.000	303.260	-2.00	1222+0.000	303.340	302.941	0.399	4.000	303.260	-2.00	4.254	302.879	-150.00
-4.159	303.255	-150.00	-4.000	303.494	-2.00	1223+0.000	303.574	303.171	0.402	4.000	303.494	-2.00	4.269	303.090	-150.00
-4.156	303.730	-150.00	-4.000	303.964	-2.00	1224+0.000	304.044	303.641	0.404	4.000	303.964	-2.00	4.272	303.556	-150.00
-4.130	304.219	-150.00	-4.000	304.414	-2.00	1225+0.000	304.494	304.128	0.366	4.000	304.414	-2.00	4.254	304.034	-150.00
-4.065	304.733	-150.00	-4.000	304.831	-2.00	1226+0.000	304.911	304.640	0.270	4.000	304.831	-2.00	4.191	304.545	-150.00
-4.113	305.077	-150.00	-4.000	305.247	-2.00	1227+0.000	305.327	304.963	0.364	4.000	305.247	-2.00	4.268	304.844	-150.00
-4.152	305.329	-150.00	-4.000	305.557	-2.00	1228+0.000	305.637	305.226	0.411	4.000	305.557	-2.00	4.291	305.120	-150.00
-4.108	305.513	-150.00	-4.000	305.675	-2.00	1229+0.000	305.755	305.358	0.397	4.000	305.675	-2.00	4.310	305.210	-150.00
-4.152	305.513	-150.00	-4.000	305.741	-2.00	1230+0.000	305.821	305.375	0.446	4.000	305.741	-2.00	4.340	305.231	-150.00
-4.136	305.502	-150.00	-4.000	305.706	-2.00	1231+0.000	305.786	305.333	0.453	4.000	305.706	-2.00	4.373	305.146	-150.00
-4.093	305.598	-150.00	-4.000	305.737	-2.00	1232+0.000	305.817	305.411	0.406	4.000	305.737	-2.00	4.360	305.197	-150.00
-4.079	305.845	-150.00	-4.000	305.964	-2.00	1233+0.000	306.044	305.643	0.400	4.000	305.964	-2.00	4.357	305.428	-150.00
-4.090	306.184	-150.00	-4.000	306.320	-2.00	1234+0.000	306.400	305.982	0.418	4.000	306.320	-2.00	4.370	305.765	-150.00
-4.111	306.309	-150.00	-4.000	306.475	-2.00	1235+0.000	306.555	306.167	0.388	4.000	306.475	-2.00	4.304	306.018	-150.00
-4.212	306.399	-150.00	-4.000	306.717	-2.00	1236+0.000	306.797	306.390	0.406	4.000	306.717	-2.00	4.294	306.276	-150.00
-4.205	306.288	-150.00	-4.000	306.595	-2.00	1237+0.000	306.675	306.280	0.396	4.000	306.595	-2.00	4.216	306.272	-150.00
-4.198	306.405	-150.00	-4.000	306.703	-2.00	1238+0.000	306.783	306.386	0.396	4.000	306.703	-2.00	4.224	306.367	-150.00
-4.201	306.516	-150.00	-4.000	306.817	-2.00	1239+0.000	306.897	306.497	0.401	4.000	306.817	-2.00	4.227	306.478	-150.00
-4.187	306.652	-150.00	-4.000	306.932	-2.00	1240+0.000	307.012	306.602	0.410	4.000	306.932	-2.00	4.247	306.561	-150.00
-4.241	306.495	-150.00	-4.000	306.858	-2.00	1241+0.000	306.938	306.542	0.396	4.000	306.858	-2.00	4.180	306.587	-150.00
-4.220	306.487	-150.00	-4.000	306.817	-2.00	1242+0.000	306.897	306.504	0.393	4.000	306.817	-2.00	4.197	306.522	-150.00
-4.250	306.623	-150.00	-4.000	306.999	-2.00	1243+0.000	307.079	306.725	0.354	4.000	306.999	-2.00	4.148	306.776	-150.00
-4.263	306.888	-150.00	-4.000	307.283	-2.00	1244+0.000	307.363	306.963	0.400	4.000	307.283	-2.00	4.164	307.036	-150.00
-4.286	307.282	-150.00	-4.000	307.711	-2.00	1245+0.000	307.791	307.402	0.389	4.000	307.711	-2.00	4.129	307.518	-150.00
-4.295	307.722	-150.00	-4.000	308.165	-2.00	1246+0.000	308.245	307.847	0.398	4.000	308.165	-2.00	4.132	307.967	-150.00
-4.335	308.344	-150.00	-4.000	308.847	-2.00	1247+0.000	308.927	308.520	0.407	4.000	308.847	-2.00	4.107	308.687	-150.00
-4.319	308.840	-150.00	-4.000	309.319	-2.00	1248+0.000	309.399	309.017	0.381	4.000	309.319	-2.00	4.104	309.162	-150.00
-4.295	309.310	-150.00	-4.000	309.752	-2.00	1249+0.000	309.832	309.440	0.391	4.000	309.752	-2.00	4.127	309.561	-150.00
-4.292	309.694	-150.00	-4.000	310.132	-2.00	1250+0.000	310.212	309.826	0.386	4.000	310.132	-2.00	4.119	309.953	-150.00
-4.284	310.086	-150.00	-4.000	310.513	-2.00	1251+0.000	310.593	310.192	0.400	4.000	310.513	-2.00	4.127	310.322	-150.00
-4.256	310.617	-150.00	-4.000	311.002	-2.00	1252+0.000	311.082	310.693	0.389	4.000	311.002	-2.00	4.156	310.767	-150.00
-4.272	311.282	-150.00	-4.000	311.690	-2.00	1253+0.000	311.770	311.361	0.408	4.000	311.690	-2.00	4.199	311.391	-150.00
-4.238	311.848	-150.00	-4.000	312.206	-2.00	1254+0.000	312.286	311.872	0.413	4.000	312.206	-2.00	4.214	311.885	-150.00
-4.227	312.280	-150.00	-4.000	312.621	-2.00	1255+0.000	312.701	312.303	0.399	4.000	312.621	-2.00	4.198	312.325	-150.00
-4.235	312.564	-150.00	-4.000	312.917	-2.00	1256+0.000	312.997	312.584	0.412	4.000	312.917	-2.00	4.208	312.605	-150.00
-4.236	312.623	-150.00	-4.000	312.977	-2.00	1257+0.000	313.057	312.658	0.398	4.000	312.977	-2.00	4.191	312.690	-150.00
-4.240	312.483	-150.00	-4.000	312.842	-2.00	1258+0.000	312.922	312.529	0.393	4.000	312.842	-2.00	4.183	312.568	-150.00
-4.250	312.108	-150.00	-4.000	312.484	-2.00	1259+0.000	312.564	312.165	0.399	4.000	312.484	-2.00	4.179	312.215	-150.00
-4.253	311.683	-150.00	-4.000	312.062	-2.00	1260+0.000	312.142	311.748	0.394	4.000	312.062	-2.00	4.167	311.812	-150.00
-4.245	311.220	-150.00	-4.000	311.587	-2.00	1261+0.000	311.667	311.289	0.378	4.000	311.587	-2.00	4.163	311.343	-150.00
-4.226	310.774	-150.00	-4.000	311.113	-2.00	1262+0.000	311.193	310.821	0.372	4.000	311.113	-2.00	4.186	310.834	-150.00
-4.215	310.316	-150.00	-4.000	310.639	-2.00	1263+0.000	310.719	310.308	0.411	4.000	310.639	-2.00	4.212	310.321	-150.00
-4.203	309.860	-150.00	-4.000	310.164	-2.00	1264+0.000	310.244	309.849	0.395	4.000	310.164	-2.00	4.218	309.838	-150.00
-4.252	309.516	-150.00	-4.000	309.894	-2.00	1265+0.000	309.974	309.518	0.456	4.000	309.894	-2.00	4.264	309.497	-150.00
-4.375	309.193	-150.00	-4.000	309.755	-2.00	1266+0.000	309.835	309.189	0.646	4.000	309.755	-2.00	4.380	309.184	-150.00
-4.385	309.038	-150.00	-4.000	309.616	-2.00	1267+0.000	309.696	309.043	0.653	4.000	309.616	-2.00	4.379	309.048	-150.00
-4.335	308.975	-150.00	-4.000	309.477	-2.00	1268+0.000	309.557	308.976	0.581	4.000	309.477	-2.00	4.333	308.978	-150.00
-4.294	308.898	-150.00	-4.000	309.338	-2.00	1269+0.000	309.418	308.927	0.491	4.000	309.338	-2.00	4.265	308.940	-150.00
-4.236	308.845	-150.00	-4.000	309.199	-2.00	1270+0.000	309.279	308.869	0.411	4.000	309.199	-2.00	4.216	308.875	-150.00
-4.191	308.739	-150.00	-4.000	309.026	-2.00	1271+0.000	309.106	308.701	0.405	4.000	309.026	-2.00	4.242	308.663	-150.00
-4.189	308.531	-150.00	-4.000	308.814	-2.00	1272+0.000	308.894	308.498	0.396	4.000	308.814	-2.00	4.236	308.460	-150.00
-4.213	307.955	-150.00	-4.000	308.275	-2.00	1273+0.000	308.355	307.932	0.423	4.000	308.275	-2.00	4.244	307.909	-150.00
-4.202	307.401	-150.00	-4.000	307.704	-2.00	1274+0.000	307.784	307.378	0.405	4.000	307.704	-2.00	4.232	307.356	-150.00
-4.176	306.944	-150.00	-4.000	307.208	-2.00	1275+0.000	307.288	306.895	0.393	4.000	307.208	-2.00	4.242	306.844	-150.00
-4.170	306.605	-150.00	-4.000	306.860	-2.00	1276+0.000	306.940	306.550	0.390	4.000	306.860	-2.00	4.243	306.495	-150.00
-4.149	306.344	-150.00	-4.000	306.568	-2.00	1277+0.000	306.648	306.257	0.391	4.000	306.568	-2.00	4.277	306.152	-150.00
-4.140	306.174	-150.00	-4.000	306.384	-2.00	1278+0.000	306.464	306.072	0.392	4.000	306.384	-2.00	4.279	305.966	-150.00
-4.129	306.079	-150.00	-4.000	306.272	-2.00	1279+0.000	306.352	305.964	0.388	4.000	306.272	-2.00	4.285	305.845	-150.00
-4.143	306.000	-150.00	-4.000	306.215	-2.00	1280+0.000	306.295	305.893	0.402	4.000	306.215	-2.00	4.286	305.786	-150.00
-4.121	306.168	-150.00	-4.000	306.349	-2.00	1281+0.000	306.429	306.059	0.369	4.000	306.349	-2.00	4.261	305.957	-150.00
-4.100	306.366	-150.00	-4.000	306.516	-2.00	1282+0.000	306.596	306.271	0.325	4.000	306.516	-2.00	4.229	306.174	-150.00
-4.095	306.541	-150.00	-4.000	306.684	-2.00	1283+0.000	306.764	306.440	0.324	4.000	306.684	-2.00	4.229	306.341	-150.00
-4.112	306.684	-150.00	-4.000	306.852	-2.00	1284+0.000	306.932	306.587	0.345	4.000	306.852	-2.00	4.243	306.487	-150.00
-4.146	306.801	-150.00	-4.000	307.020	-2.00	1285+0.000	307.100	306.702	0.398	4.000	307.020	-2.00	4.279	306.601	-150.00
-4.181	306.631	-150.00	-4.000	306.902	-2.00	1286+0.000	306.982	306.570	0.412	4.000	306.902	-2.00	4.263	306.507	-150.00
-4.181	306.411	-150.00	-4.000	306.683	-2.00	1287+0.000	306.763	306.356	0.406	4.000	306.683	-2.00	4.255	306.300	-150.00
-4.193	306.174	-150.00	-4.000	306.463	-2.00	1288+0.000	306.543	306.142	0.401	4.000	306.463	-2.00	4.236	306.110	-150.00

Osvaldo Leônicio da Silv...
Diretor da Unidade de Progra...
Projetos e Obras - SUPP...
Secretaria ...

-4.185	305.996	-150.00	-4.000	306.273	-2.00	1289+0.000	306.353	305.954	0.399	4.000	306.273	-2.00	4.241	305.912	-150.00
-4.285	305.868	-150.00	-4.000	306.295	-2.00	1290+0.000	306.375	305.826	0.550	4.000	306.295	-2.00	4.325	305.807	-150.00
-4.332	305.975	-150.00	-4.000	306.473	-2.00	1291+0.000	306.553	305.929	0.624	4.000	306.473	-2.00	4.408	305.861	-150.00
-4.255	306.270	-150.00	-4.000	306.652	-2.00	1292+0.000	306.732	306.267	0.465	4.000	306.652	-2.00	4.299	306.204	-150.00
-4.190	306.510	-150.00	-4.000	306.795	-2.00	1293+0.000	306.875	306.473	0.402	4.000	306.795	-2.00	4.240	306.435	-150.00
-4.188	306.549	-150.00	-4.000	306.832	-2.00	1294+0.000	306.912	306.512	0.400	4.000	306.832	-2.00	4.238	306.474	-150.00
-4.183	306.539	-150.00	-4.000	306.814	-2.00	1295+0.000	306.894	306.513	0.380	4.000	306.814	-2.00	4.223	306.478	-150.00
-4.174	306.455	-150.00	-4.000	306.716	-2.00	1296+0.000	306.796	306.408	0.387	4.000	306.716	-2.00	4.237	306.361	-150.00
-4.168	306.416	-150.00	-4.000	306.667	-2.00	1297+0.000	306.747	306.348	0.399	4.000	306.667	-2.00	4.258	306.280	-150.00
-4.143	306.377	-150.00	-4.000	306.593	-2.00	1298+0.000	306.673	306.275	0.398	4.000	306.593	-2.00	4.283	306.168	-150.00
-4.124	306.320	-150.00	-4.000	306.506	-2.00	1299+0.000	306.586	306.196	0.390	4.000	306.506	-2.00	4.292	306.067	-150.00
-4.111	306.314	-150.00	-4.000	306.481	-2.00	1300+0.000	306.561	306.185	0.376	4.000	306.481	-2.00	4.300	306.031	-150.00
-4.107	306.333	-150.00	-4.000	306.494	-2.00	1301+0.000	306.574	306.178	0.396	4.000	306.494	-2.00	4.328	306.002	-150.00
-4.133	306.373	-150.00	-4.000	306.572	-2.00	1302+0.000	306.652	306.246	0.406	4.000	306.572	-2.00	4.331	306.075	-150.00
-4.121	306.310	-150.00	-4.000	306.491	-2.00	1303+0.000	306.571	306.161	0.410	4.000	306.491	-2.00	4.323	306.006	-150.00
-4.100	306.129	-150.00	-4.000	306.279	-2.00	1304+0.000	306.359	305.980	0.378	4.000	306.279	-2.00	4.303	305.824	-150.00
-4.111	305.899	-150.00	-4.000	306.066	-2.00	1305+0.000	306.146	305.757	0.389	4.000	306.066	-2.00	4.305	305.609	-150.00
-4.135	305.689	-150.00	-4.000	305.892	-2.00	1306+0.000	305.972	305.576	0.396	4.000	305.892	-2.00	4.296	305.448	-150.00
-4.146	305.536	-150.00	-4.000	305.755	-2.00	1307+0.000	305.835	305.450	0.385	4.000	305.755	-2.00	4.269	305.352	-150.00
-4.143	305.460	-150.00	-4.000	305.675	-2.00	1308+0.000	305.755	305.358	0.397	4.000	305.675	-2.00	4.282	305.252	-150.00
-4.157	305.481	-150.00	-4.000	305.717	-2.00	1309+0.000	305.797	305.403	0.394	4.000	305.717	-2.00	4.241	305.355	-150.00
-4.181	305.555	-150.00	-4.000	305.827	-2.00	1310+0.000	305.907	305.531	0.375	4.000	305.827	-2.00	4.221	305.495	-150.00
-4.194	305.650	-150.00	-4.000	305.942	-2.00	1311+0.000	306.022	305.621	0.401	4.000	305.942	-2.00	4.229	305.598	-150.00
-4.222	305.848	-150.00	-4.000	306.181	-2.00	1312+0.000	306.261	305.816	0.445	4.000	306.181	-2.00	4.265	305.784	-150.00
-4.279	306.021	-150.00	-4.000	306.439	-2.00	1313+0.000	306.519	306.020	0.499	4.000	306.439	-2.00	4.273	306.030	-150.00
-4.305	306.239	-150.00	-4.000	306.697	-2.00	1314+0.000	306.777	306.254	0.523	4.000	306.697	-2.00	4.286	306.268	-150.00
-4.282	306.531	-150.00	-4.000	306.954	-2.00	1315+0.000	307.034	306.540	0.494	4.000	306.954	-2.00	4.270	306.549	-150.00
-4.240	306.851	-150.00	-4.000	307.212	-2.00	1316+0.000	307.292	306.863	0.428	4.000	307.212	-2.00	4.224	306.875	-150.00
-4.182	307.197	-150.00	-4.000	307.469	-2.00	1317+0.000	307.549	307.215	0.335	4.000	307.469	-2.00	4.160	307.229	-150.00
-4.117	307.552	-150.00	-4.000	307.727	-2.00	1318+0.000	307.807	307.572	0.235	4.000	307.727	-2.00	4.087	307.596	-150.00
-4.045	307.917	-150.00	-4.000	307.984	-2.00	1319+0.000	308.064	307.946	0.118	4.000	307.984	-2.00	4.005	307.977	-150.00
-4.030	308.262	66.67	-4.000	308.242	-2.00	1320+0.000	308.322	308.292	0.030	4.000	308.242	-2.00	4.121	308.323	66.67
-4.110	308.573	66.67	-4.000	308.500	-2.00	1321+0.000	308.580	308.587	-0.007	4.000	308.500	-2.00	4.184	308.623	66.67
-4.177	308.875	66.67	-4.000	308.757	-2.00	1322+0.000	308.837	308.889	-0.052	4.000	308.757	-2.00	4.219	308.903	66.67
-4.044	309.044	66.67	-4.000	309.015	-2.00	1323+0.000	309.095	309.057	0.038	4.000	309.015	-2.00	4.077	309.066	66.67
-4.123	309.080	-150.00	-4.000	309.264	-2.00	1324+0.000	309.344	309.095	0.249	4.000	309.264	-2.00	4.103	309.110	-150.00
-4.203	309.083	-150.00	-4.000	309.388	-2.00	1325+0.000	309.468	309.056	0.411	4.000	309.388	-2.00	4.232	309.040	-150.00
-4.200	309.068	-150.00	-4.000	309.368	-2.00	1326+0.000	309.448	309.039	0.409	4.000	309.368	-2.00	4.239	309.010	-150.00
-4.226	308.990	-150.00	-4.000	309.328	-2.00	1327+0.000	309.408	308.964	0.444	4.000	309.328	-2.00	4.262	308.936	-150.00
-4.281	308.866	-150.00	-4.000	309.288	-2.00	1328+0.000	309.368	308.847	0.520	4.000	309.288	-2.00	4.306	308.829	-150.00
-4.251	308.870	-150.00	-4.000	309.247	-2.00	1329+0.000	309.327	308.895	0.433	4.000	309.247	-2.00	4.248	308.875	-150.00
-4.217	308.918	-150.00	-4.000	309.244	-2.00	1330+0.000	309.324	308.921	0.403	4.000	309.244	-2.00	4.207	308.933	-150.00
-4.232	309.233	-150.00	-4.000	309.581	-2.00	1331+0.000	309.661	309.258	0.403	4.000	309.581	-2.00	4.214	309.260	-150.00
-4.235	309.483	-150.00	-4.000	309.835	-2.00	1332+0.000	309.915	309.528	0.387	4.000	309.835	-2.00	4.194	309.544	-150.00
-4.208	309.747	-150.00	-4.000	310.059	-2.00	1333+0.000	310.139	309.740	0.399	4.000	310.059	-2.00	4.217	309.733	-150.00
-4.230	309.939	-150.00	-4.000	310.283	-2.00	1334+0.000	310.363	309.931	0.432	4.000	310.283	-2.00	4.239	309.924	-150.00
-4.237	310.151	-150.00	-4.000	310.507	-2.00	1335+0.000	310.587	310.137	0.450	4.000	310.507	-2.00	4.256	310.123	-150.00
-4.206	310.422	-150.00	-4.000	310.731	-2.00	1336+0.000	310.811	310.406	0.405	4.000	310.731	-2.00	4.226	310.392	-150.00
-4.171	310.812	-150.00	-4.000	311.068	-2.00	1337+0.000	311.148	310.758	0.390	4.000	311.068	-2.00	4.259	310.680	-150.00
-4.180	311.211	-150.00	-4.000	311.481	-2.00	1338+0.000	311.561	311.134	0.426	4.000	311.481	-2.00	4.283	311.056	-150.00
-4.206	311.672	-150.00	-4.000	311.980	-2.00	1339+0.000	312.060	311.573	0.487	4.000	311.980	-2.00	4.330	311.485	-150.00
-4.205	312.173	-150.00	-4.000	312.480	-2.00	1340+0.000	312.560	312.069	0.492	4.000	312.480	-2.00	4.346	311.961	-150.00
-4.174	312.719	-150.00	-4.000	312.980	-2.00	1341+0.000	313.060	312.615	0.445	4.000	312.980	-2.00	4.329	312.486	-150.00
-4.134	313.278	-150.00	-4.000	313.480	-2.00	1342+0.000	313.560	313.125	0.435	4.000	313.480	-2.00	4.343	312.966	-150.00
-4.135	313.774	-150.00	-4.000	313.976	-2.00	1343+0.000	314.056	313.654	0.403	4.000	313.976	-2.00	4.322	313.494	-150.00
-4.173	313.948	-150.00	-4.000	314.208	-2.00	1344+0.000	314.288	313.849	0.439	4.000	314.208	-2.00	4.307	313.747	-150.00
-4.126	314.250	-150.00	-4.000	314.440	-2.00	1345+0.000	314.520	314.162	0.358	4.000	314.440	-2.00	4.249	314.067	-150.00
-4.123	314.487	-150.00	-4.000	314.672	-2.00	1346+0.000	314.752	314.386	0.365	4.000	314.672	-2.00	4.260	314.282	-150.00
-4.161	314.662	-150.00	-4.000	314.904	-2.00	1347+0.000	314.984	314.618	0.365	4.000	314.904	-2.00	4.246	314.535	-150.00
-4.215	314.814	-150.00	-4.000	315.135	-2.00	1348+0.000	315.215	314.762	0.453	4.000	315.135	-2.00	4.283	314.710	-150.00
-4.221	315.036	-150.00	-4.000	315.367	-2.00	1349+0.000	315.447	314.986	0.461	4.000	315.367	-2.00	4.289	314.934	-150.00
-4.243	315.235	-150.00	-4.000	315.599	-2.00	1350+0.000	315.679	315.220	0.460	4.000	315.599	-2.00	4.253	315.219	-150.00
-4.293	315.497	-150.00	-4.000	315.937	-2.00	1351+0.000	316.017	315.498	0.519	4.000	315.937	-2.00	4.293	315.498	-150.00
-4.250	316.029	-150.00	-4.000	316.404	-2.00	1352+0.000	316.484	316.079	0.406	4.000	316.404	-2.00	4.236	316.050	-150.00
-4.238	316.553	-150.00	-4.000	316.910	-2.00	1353+0.000	316.990	316.590	0.400	4.000	316.910	-2.00	4.190	316.626	-150.00
-4.243	317.222	-150.00	-4.000	317.587	-2.00	1354+0.000	317.667	317.258	0.409	4.000	317.587	-2.00	4.199	317.289	-150.00
-4.286	317.728	-150.00	-4.000	318.158	-2.00	1355+0.000	318.238	317.830	0.408	4.000	318.158	-2.00	4.153	317.928	-150.00
-4.291	318.188	-150.00	-4.000	318.624	-2.00	1356+0.000	318.704	318.301	0.403	4.000	318.624	-2.00	4.150	318.400	-150.00
-4.320	318.211	-150.00	-4.000	318.691	-2.00	1357+0.000	318.771	318.420	0.351	4.000	318.691	-2.00	4.096	318.547	-150.00
-4.332	318.228	-150.00	-4.000	318.727	-2.00	1358+0.000	318.807	318.422	0.385	4.000	318.727	-2.00	4.082	318.604	-150.00
-4.358	318.359	-150.00	-4.000	318.896	-2.00	1359+0.000	318.976	318.571	0.405	4.000	318.896	-2.00	4.094	318.755	-150.00
-4.286	318.407	-150.00	-4.000	318.836	-2.00	1360+0.000	318.916	318.506	0.410	4.000	318.836	-2.00	4.156	318.602	-150.00
-4.302	318.158	-150.00	-4.000	318.610	-2.00	1361+0.000	318.690	318.292	0.398	4.000	318.610	-2.00	4.126	318.421	-150.00
-4.276	317.482	-150.00	-4.000	317.896	-2.00	1362+0.000	317.976	317.581	0.396	4.000	317.896	-2.00	4.146	317.677	-150.00
-4.270	316.539	-150.00	-4.000	316.944	-2.00	1363+0.000	317.024	316.648	0.375	4.000	316.944	-2.00	4.151	316.717	-150.00
-4.246	315.120	-150.00	-4.000	315.488	-2.00	1364+0.000	315.568	315.211	0.358	4.000	315.488	-2.00	4.134	315.287	-150.00
-4.285	312.868	-150.00	-4.000	313.294	-2.00	1365+0.000	313.374	312.944	0.430	4.000	313.294	-2.00	4.183	313.020	-150.00
-4.145	310.865	-150.00	-4.000	311.083	-2.00	1366+0.000	311.163	310.787	0.377	4.000	311.083	-2.00	4.233	310.734	-150.00
-4.097	308.718	-150.00	-4.000	308.863	-2.00	1367+0.000	308.943	308.564	0.380	4.000	308.863	-2.00	4.334	308.363	-150.00
-4.274	306.136	-150.00	-4.000	306.548	-2.00	1368+0.000	306.628	305.922	0.705	4.000	306.548	-2.00	4.583	305.673	-150.00
-4.415	303.610	-150.00	-4.000	304.232	-2.00	1369+0.000	304.312	303.456	0.856	4.000	304.232	-2.00	4.656	303.247	-150.00

Osvaldo Leoncio da S... Filho
Diretor da Unidade de Projetos
Projetos e Obras - DUPPO
Secretaria das Cidades (Sed...

-4.466	301.218	-150.00	-4.000	301.916	-2.00	1370+0.000	301.996	301.082	0.915	4.000	301.916	-2.00	4.651	300.940	-150.00
-4.300	299.151	-150.00	-4.000	299.601	-2.00	1371+0.000	299.681	299.331	0.350	4.000	299.601	-2.00	4.108	299.439	-150.00
-4.309	296.942	-150.00	-4.000	297.406	-2.00	1372+0.000	297.486	297.124	0.362	4.000	297.406	-2.00	4.074	297.295	-150.00
-4.340	294.935	-150.00	-4.000	295.445	-2.00	1373+0.000	295.525	295.207	0.318	4.000	295.445	-2.00	4.028	295.402	-150.00
-4.386	293.328	-150.00	-4.000	293.908	-2.00	1374+0.000	293.988	293.573	0.415	4.000	293.908	-2.00	4.033	293.859	-150.00
-4.407	291.949	-150.00	-4.000	292.560	-2.00	1375+0.000	292.640	292.294	0.346	4.000	292.560	-2.00	4.065	292.603	66.67
-4.340	290.794	-150.00	-4.000	291.303	-2.00	1376+0.000	291.383	291.005	0.378	4.000	291.303	-2.00	4.045	291.235	-150.00
-4.339	289.733	-150.00	-4.000	290.242	-2.00	1377+0.000	290.322	289.942	0.379	4.000	290.242	-2.00	4.069	290.138	-150.00
-4.330	288.762	-150.00	-4.000	289.256	-2.00	1378+0.000	289.336	288.966	0.370	4.000	289.256	-2.00	4.072	289.148	-150.00
-4.318	287.988	-150.00	-4.000	288.466	-2.00	1379+0.000	288.546	288.149	0.397	4.000	288.466	-2.00	4.110	288.301	-150.00
-4.289	286.832	-150.00	-4.000	287.265	-2.00	1380+0.000	287.345	286.964	0.381	4.000	287.265	-2.00	4.116	287.091	-150.00
-4.290	285.821	-150.00	-4.000	286.257	-2.00	1381+0.000	286.337	285.947	0.389	4.000	286.257	-2.00	4.116	286.083	-150.00
-4.280	285.021	-150.00	-4.000	285.442	-2.00	1382+0.000	285.522	285.122	0.400	4.000	285.442	-2.00	4.119	285.264	-150.00
-4.260	284.506	-150.00	-4.000	284.897	-2.00	1383+0.000	284.977	284.610	0.367	4.000	284.897	-2.00	4.125	284.710	-150.00
-4.194	284.087	-150.00	-4.000	284.379	-2.00	1384+0.000	284.459	284.072	0.387	4.000	284.379	-2.00	4.185	284.101	-150.00
-4.212	283.904	-150.00	-4.000	284.222	-2.00	1385+0.000	284.302	283.955	0.346	4.000	284.222	-2.00	4.187	283.940	-150.00
-4.246	283.704	-150.00	-4.000	284.073	-2.00	1386+0.000	284.153	283.831	0.322	4.000	284.073	-2.00	4.215	283.750	-150.00
-4.281	283.502	-150.00	-4.000	283.924	-2.00	1387+0.000	284.004	283.653	0.350	4.000	283.924	-2.00	4.183	283.650	-150.00
-4.269	283.404	-150.00	-4.000	283.807	-2.00	1388+0.000	283.887	283.494	0.393	4.000	283.807	-2.00	4.160	283.567	-150.00
-4.347	283.630	-150.00	-4.000	284.150	-2.00	1389+0.000	284.230	283.773	0.458	4.000	284.150	-2.00	4.161	283.909	-150.00
-4.426	283.825	-150.00	-4.000	284.464	-2.00	1390+0.000	284.544	284.027	0.517	4.000	284.464	-2.00	4.164	284.218	-150.00
-4.333	283.776	-150.00	-4.000	284.276	-2.00	1391+0.000	284.356	283.961	0.395	4.000	284.276	-2.00	4.096	284.132	-150.00
-4.345	283.026	-150.00	-4.000	283.543	-2.00	1392+0.000	283.623	283.417	0.206	4.000	283.543	-2.00	4.406	283.814	66.67
-4.553	281.437	-150.00	-4.000	282.266	-2.00	1393+0.000	282.346	281.834	0.512	4.000	282.266	-2.00	4.049	282.192	-150.00
-4.553	279.614	-150.00	-4.000	280.443	-2.00	1394+0.000	280.523	279.984	0.539	4.000	280.443	-2.00	4.065	280.345	-150.00
-4.399	277.481	-150.00	-4.000	278.080	-2.00	1395+0.000	278.160	277.839	0.321	4.000	278.080	-2.00	4.143	278.175	66.67
-4.435	274.849	-150.00	-4.000	275.501	-2.00	1396+0.000	275.581	275.304	0.278	4.000	275.501	-2.00	4.378	275.753	66.67
-4.499	272.116	-150.00	-4.000	272.864	-2.00	1397+0.000	272.944	272.612	0.332	4.000	272.864	-2.00	4.339	273.090	66.67
-4.499	269.412	-150.00	-4.000	270.161	-2.00	1398+0.000	270.241	269.896	0.345	4.000	270.161	-2.00	4.382	270.416	66.67
-4.342	267.025	-150.00	-4.000	267.538	-2.00	1399+0.000	267.618	267.235	0.383	4.000	267.538	-2.00	4.511	267.879	66.67
-4.421	265.280	-150.00	-4.000	265.911	-2.00	1400+0.000	265.991	265.623	0.368	4.000	265.911	-2.00	4.283	266.100	66.67
-4.426	263.824	-150.00	-4.000	264.462	-2.00	1401+0.000	264.542	264.205	0.337	4.000	264.462	-2.00	4.290	264.655	66.67
-4.590	262.308	-150.00	-4.000	263.192	-2.00	1402+0.000	263.272	262.848	0.425	4.000	263.192	-2.00	4.285	263.383	66.67
-4.601	261.145	-150.00	-4.000	262.046	-2.00	1403+0.000	262.126	261.702	0.424	4.000	262.046	-2.00	4.344	262.275	66.67
-4.599	259.977	-150.00	-4.000	260.875	-2.00	1404+0.000	260.955	260.497	0.458	4.000	260.875	-2.00	4.370	261.122	66.67
-4.685	258.658	-150.00	-4.000	259.686	-2.00	1405+0.000	259.766	259.349	0.417	4.000	259.686	-2.00	4.486	260.010	66.67
-4.557	257.211	-150.00	-4.000	258.047	-2.00	1406+0.000	258.127	257.758	0.369	4.000	258.047	-2.00	4.412	258.322	66.67
-4.369	256.167	-150.00	-4.000	256.720	-2.00	1407+0.000	256.800	256.467	0.333	4.000	256.720	-2.00	4.047	256.751	66.67
-4.438	254.920	-150.00	-4.000	255.578	-2.00	1408+0.000	255.658	255.258	0.399	4.000	255.578	-2.00	4.009	255.564	-150.00
-4.440	253.848	-150.00	-4.000	254.508	-2.00	1409+0.000	254.588	254.203	0.385	4.000	254.508	-2.00	4.025	254.525	66.67
-4.450	252.924	-150.00	-4.000	253.599	-2.00	1410+0.000	253.679	253.295	0.384	4.000	253.599	-2.00	4.049	253.632	66.67
-4.461	252.594	-150.00	-4.000	253.285	-2.00	1411+0.000	253.365	252.985	0.380	4.000	253.285	-2.00	4.086	253.342	66.67
-4.472	252.519	-150.00	-4.000	253.228	-2.00	1412+0.000	253.308	252.916	0.391	4.000	253.228	-2.00	4.076	253.278	66.67
-4.443	252.722	-150.00	-4.000	253.386	-2.00	1413+0.000	253.466	253.051	0.415	4.000	253.386	-2.00	4.024	253.350	-150.00
-4.468	252.843	-150.00	-4.000	253.545	-2.00	1414+0.000	253.625	253.174	0.450	4.000	253.545	-2.00	4.047	253.475	-150.00
-4.430	252.710	-150.00	-4.000	253.355	-2.00	1415+0.000	253.435	252.999	0.436	4.000	253.355	-2.00	4.061	253.264	-150.00
-4.611	251.878	-150.00	-4.000	252.795	-2.00	1416+0.000	252.875	252.333	0.542	4.000	252.795	-2.00	4.042	252.732	-150.00
-4.519	251.411	-150.00	-4.000	252.189	-2.00	1417+0.000	252.269	251.885	0.384	4.000	252.189	-2.00	4.200	252.323	66.67
-4.461	250.891	-150.00	-4.000	251.582	-2.00	1418+0.000	251.662	251.358	0.304	4.000	251.582	-2.00	4.345	251.812	66.67
-4.413	250.356	-150.00	-4.000	250.975	-2.00	1419+0.000	251.055	250.748	0.308	4.000	250.975	-2.00	4.221	251.123	66.67
-4.307	250.395	-150.00	-4.000	250.856	-2.00	1420+0.000	250.936	250.642	0.294	4.000	250.856	-2.00	4.024	250.872	66.67
-4.399	250.449	-150.00	-4.000	251.047	-2.00	1421+0.000	251.127	250.660	0.467	4.000	251.047	-2.00	4.037	250.992	-150.00
-4.322	250.774	-150.00	-4.000	251.257	-2.00	1422+0.000	251.337	251.033	0.304	4.000	251.257	-2.00	4.273	251.440	66.67
-4.186	251.188	-150.00	-4.000	251.468	-2.00	1423+0.000	251.548	251.582	-0.035	4.000	251.468	-2.00	4.858	252.040	66.67
-4.162	251.435	-150.00	-4.000	251.678	-2.00	1424+0.000	251.758	251.657	0.101	4.000	251.678	-2.00	4.313	251.887	66.67
-4.349	251.365	-150.00	-4.000	251.888	-2.00	1425+0.000	251.968	251.576	0.393	4.000	251.888	-2.00	4.075	251.775	-150.00
-4.374	251.508	-150.00	-4.000	252.069	-2.00	1426+0.000	252.149	251.726	0.422	4.000	252.069	-2.00	4.092	251.930	-150.00
-4.314	251.278	-150.00	-4.000	251.749	-2.00	1427+0.000	251.829	251.436	0.393	4.000	251.749	-2.00	4.101	251.597	-150.00
-4.359	251.234	-150.00	-4.000	251.773	-2.00	1428+0.000	251.853	251.451	0.402	4.000	251.773	-2.00	4.041	251.800	66.67
-4.476	251.401	-150.00	-4.000	252.115	-2.00	1429+0.000	252.195	251.798	0.397	4.000	252.115	-2.00	4.066	252.159	66.67
-4.473	251.585	-150.00	-4.000	252.294	-2.00	1430+0.000	252.374	251.977	0.397	4.000	252.294	-2.00	4.056	252.331	66.67
-4.476	251.757	-150.00	-4.000	252.470	-2.00	1431+0.000	252.550	252.138	0.413	4.000	252.470	-2.00	4.014	252.479	66.67
-4.445	251.787	-150.00	-4.000	252.454	-2.00	1432+0.000	252.534	252.127	0.407	4.000	252.454	-2.00	4.013	252.434	-150.00
-4.349	251.991	-150.00	-4.000	252.514	-2.00	1433+0.000	252.594	252.228	0.366	4.000	252.514	-2.00	4.044	252.448	-150.00
-4.437	251.868	-150.00	-4.000	252.524	-2.00	1434+0.000	252.604	252.109	0.494	4.000	252.524	-2.00	4.124	252.338	-150.00
-4.448	251.902	-150.00	-4.000	252.575	-2.00	1435+0.000	252.655	252.152	0.503	4.000	252.575	-2.00	4.127	252.384	-150.00
-4.227	252.378	-150.00	-4.000	252.718	-2.00	1436+0.000	252.798	252.425	0.373	4.000	252.718	-2.00	4.086	252.590	-150.00
-4.395	252.401	-150.00	-4.000	252.993	-2.00	1437+0.000	253.073	252.667	0.406	4.000	252.993	-2.00	4.021	252.962	-150.00
-4.370	253.000	-150.00	-4.000	253.555	-2.00	1438+0.000	253.635	253.257	0.378	4.000	253.555	-2.00	4.041	253.494	-150.00
-4.301	253.390	-150.00	-4.000	253.842	-2.00	1439+0.000	253.922	253.520	0.402	4.000	253.842	-2.00	4.135	253.640	-150.00
-4.254	252.946	-150.00	-4.000	253.327	-2.00	1440+0.000	253.407	253.002	0.404	4.000	253.327	-2.00	4.179	253.058	-150.00
-4.221	252.654	-150.00	-4.000	252.986	-2.00	1441+0.000	253.066	252.705	0.361	4.000	252.986	-2.00	4.195	252.693	-150.00
-4.225	252.369	-150.00	-4.000	252.707	-2.00	1442+0.000	252.787	252.386	0.401	4.000	252.707	-2.00	4.171	252.450	-150.00
-4.098	253.644	-150.00	-4.000	253.791	-2.00	1443+0.000	253.871	253.466	0.405	4.000	253.791	-2.00	4.342	253.277	-150.00
-4.028	255.287	-150.00	-4.000	255.330	-2.00	1444+0.000	255.410	255.072	0.337	4.000	255.330	-2.00	4.300	254.879	-150.00
-4.633	258.285	66.67	-4.000	257.863	-2.00	1445+0.000	257.943	257.549	0.394	4.000	257.863	-2.00	4.592	256.976	-150.00
-5.064	261.520	66.67	-4.000	260.810	-2.00	1446+0.000	260.890	260.498	0.393	4.000	260.810	-2.00	4.863	259.516	-150.00
-5.042	263.185	66.67	-4.000	262.491	-2.00	1447+0.000	262.571	262.221	0.350	4.000	262.491	-2.00	4.766	261.342	-150.00
-4.996	264.722	66.67	-4.000	264.058	-2.00	1448+0.000	264.138	263.768	0.370	4.000	264.058	-2.00	4.805	262.850	-150.00
-5.001	265.848	66.67	-4.000	265.180	-2.00	1449+0.000	265.260	264.852	0.408	4.000	265.180	-2.00	4.865	263.882	-150.00
-5.063	266.503	66.67	-4.000	265.794	-2.00	1450+0.000	265.874	265.505	0.368	4.000	265.794	-2.00	4.803	264.589	-150.00

Osvaldo Leônicio da Su...
Diretor da Unidade de Proje...
Projetos e Obras - Subest...
Secretaria ... Pública

-4.478	267.726	66.67	-4.000	267.408	-2.00	1451+0.000	267.488	267.064	0.424	4.000	267.408	-2.00	4.712	266.340	-150.00
-4.177	269.720	66.67	-4.000	269.602	-2.00	1452+0.000	269.682	269.234	0.448	4.000	269.602	-2.00	4.613	268.682	-150.00
-4.030	272.195	-150.00	-4.000	272.240	-2.00	1453+0.000	272.320	271.874	0.446	4.000	272.240	-2.00	4.400	271.640	-150.00
-4.120	275.106	-150.00	-4.000	275.286	-2.00	1454+0.000	275.366	274.945	0.422	4.000	275.286	-2.00	4.244	274.920	-150.00
-4.286	277.915	-150.00	-4.000	278.343	-2.00	1455+0.000	278.423	278.076	0.348	4.000	278.343	-2.00	4.077	278.229	-150.00
-4.353	280.846	-150.00	-4.000	281.376	-2.00	1456+0.000	281.456	281.091	0.365	4.000	281.376	-2.00	4.038	281.318	-150.00
-4.330	283.612	-150.00	-4.000	284.107	-2.00	1457+0.000	284.187	283.734	0.453	4.000	284.107	-2.00	4.089	283.973	-150.00
-4.335	286.286	-150.00	-4.000	286.789	-2.00	1458+0.000	286.869	286.422	0.446	4.000	286.789	-2.00	4.174	286.528	-150.00
-4.181	288.780	-150.00	-4.000	289.052	-2.00	1459+0.000	289.132	288.799	0.333	4.000	289.052	-2.00	4.156	288.817	-150.00
-4.205	290.780	-150.00	-4.000	291.088	-2.00	1460+0.000	291.168	290.690	0.477	4.000	291.088	-2.00	4.261	290.696	-150.00
-4.047	292.637	-150.00	-4.000	292.708	-2.00	1461+0.000	292.788	292.518	0.270	4.000	292.708	-2.00	4.190	292.424	-150.00
-4.168	293.657	-150.00	-4.000	293.909	-2.00	1462+0.000	293.989	293.560	0.429	4.000	293.909	-2.00	4.276	293.494	-150.00
-4.087	294.559	-150.00	-4.000	294.689	-2.00	1463+0.000	294.769	294.483	0.286	4.000	294.689	-2.00	4.260	294.298	-150.00
-4.144	294.843	-150.00	-4.000	295.058	-2.00	1464+0.000	295.138	294.673	0.465	4.000	295.058	-2.00	4.377	294.493	-150.00
-4.122	295.119	-150.00	-4.000	295.302	-2.00	1465+0.000	295.382	294.955	0.428	4.000	295.302	-2.00	4.350	294.777	-150.00
-4.149	295.211	-150.00	-4.000	295.435	-2.00	1466+0.000	295.515	295.100	0.414	4.000	295.435	-2.00	4.299	294.986	-150.00
-4.175	295.106	-150.00	-4.000	295.369	-2.00	1467+0.000	295.449	294.998	0.451	4.000	295.369	-2.00	4.322	294.886	-150.00
-4.187	295.016	-150.00	-4.000	295.297	-2.00	1468+0.000	295.377	294.976	0.401	4.000	295.297	-2.00	4.264	294.902	-150.00
-4.187	294.805	-150.00	-4.000	295.085	-2.00	1469+0.000	295.165	294.773	0.392	4.000	295.085	-2.00	4.229	294.742	-150.00
-4.228	294.876	-150.00	-4.000	295.218	-2.00	1470+0.000	295.298	294.880	0.417	4.000	295.218	-2.00	4.222	294.884	-150.00
-4.245	295.187	-150.00	-4.000	295.555	-2.00	1471+0.000	295.635	295.213	0.422	4.000	295.555	-2.00	4.211	295.238	-150.00
-4.215	295.752	-150.00	-4.000	296.073	-2.00	1472+0.000	296.153	295.766	0.387	4.000	296.073	-2.00	4.186	295.794	-150.00
-4.236	296.306	-150.00	-4.000	296.660	-2.00	1473+0.000	296.740	296.339	0.400	4.000	296.660	-2.00	4.192	296.372	-150.00
-4.236	296.811	-150.00	-4.000	297.166	-2.00	1474+0.000	297.246	296.859	0.387	4.000	297.166	-2.00	4.183	296.891	-150.00
-4.229	296.749	-150.00	-4.000	297.093	-2.00	1475+0.000	297.173	296.800	0.373	4.000	297.093	-2.00	4.161	296.852	-150.00
-4.283	296.596	-150.00	-4.000	297.021	-2.00	1476+0.000	297.101	296.656	0.445	4.000	297.021	-2.00	4.204	296.714	-150.00
-4.298	296.502	-150.00	-4.000	296.948	-2.00	1477+0.000	297.028	296.619	0.409	4.000	296.948	-2.00	4.144	296.733	-150.00
-4.380	296.358	-150.00	-4.000	296.928	-2.00	1478+0.000	297.008	296.609	0.399	4.000	296.928	-2.00	4.058	296.841	-150.00
-4.305	296.786	-150.00	-4.000	297.244	-2.00	1479+0.000	297.324	297.035	0.288	4.000	297.244	-2.00	4.022	297.258	66.67
-4.251	297.152	-150.00	-4.000	297.529	-2.00	1480+0.000	297.609	297.357	0.252	4.000	297.529	-2.00	4.033	297.551	66.67
-4.071	297.434	-150.00	-4.000	297.541	-2.00	1481+0.000	297.621	297.472	0.149	4.000	297.541	-2.00	4.021	297.509	-150.00
-4.254	297.280	-150.00	-4.000	297.661	-2.00	1482+0.000	297.741	297.339	0.402	4.000	297.661	-2.00	4.175	297.398	-150.00
-4.128	297.628	-150.00	-4.000	297.819	-2.00	1483+0.000	297.899	297.501	0.398	4.000	297.819	-2.00	4.299	297.370	-150.00
-4.126	297.587	-150.00	-4.000	297.776	-2.00	1484+0.000	297.856	297.465	0.392	4.000	297.776	-2.00	4.293	297.337	-150.00
-4.177	297.665	-150.00	-4.000	297.931	-2.00	1485+0.000	298.011	297.622	0.388	4.000	297.931	-2.00	4.234	297.579	-150.00
-4.236	297.761	-150.00	-4.000	298.116	-2.00	1486+0.000	298.196	297.796	0.400	4.000	298.116	-2.00	4.225	297.778	-150.00
-4.246	297.752	-150.00	-4.000	298.121	-2.00	1487+0.000	298.201	297.771	0.429	4.000	298.121	-2.00	4.205	297.814	-150.00
-4.289	297.652	-150.00	-4.000	298.086	-2.00	1488+0.000	298.166	297.695	0.471	4.000	298.086	-2.00	4.233	297.737	-150.00
-4.303	297.597	-150.00	-4.000	298.051	-2.00	1489+0.000	298.131	297.614	0.517	4.000	298.051	-2.00	4.263	297.657	-150.00
-4.242	297.652	-150.00	-4.000	298.016	-2.00	1490+0.000	298.096	297.646	0.450	4.000	298.016	-2.00	4.257	297.630	-150.00
-4.231	297.485	-150.00	-4.000	297.832	-2.00	1491+0.000	297.912	297.516	0.396	4.000	297.832	-2.00	4.190	297.547	-150.00
-4.246	296.919	-150.00	-4.000	297.289	-2.00	1492+0.000	297.369	296.988	0.381	4.000	297.289	-2.00	4.156	297.054	-150.00
-4.369	296.394	-150.00	-4.000	296.948	-2.00	1493+0.000	297.028	296.624	0.404	4.000	296.948	-2.00	4.104	296.792	-150.00
-4.360	295.829	-150.00	-4.000	296.369	-2.00	1494+0.000	296.449	296.056	0.393	4.000	296.369	-2.00	4.068	296.267	-150.00
-4.369	295.252	-150.00	-4.000	295.806	-2.00	1495+0.000	295.886	295.481	0.406	4.000	295.806	-2.00	4.052	295.728	-150.00
-4.390	295.257	-150.00	-4.000	295.842	-2.00	1496+0.000	295.922	295.536	0.386	4.000	295.842	-2.00	4.033	295.793	-150.00
-4.399	295.470	-150.00	-4.000	296.068	-2.00	1497+0.000	296.148	295.788	0.360	4.000	296.068	-2.00	4.074	296.118	66.67
-4.441	296.048	-150.00	-4.000	296.709	-2.00	1498+0.000	296.789	296.364	0.425	4.000	296.709	-2.00	4.038	296.652	-150.00
-4.410	296.964	-150.00	-4.000	297.580	-2.00	1499+0.000	297.660	297.318	0.342	4.000	297.580	-2.00	4.100	297.647	66.67
-4.507	298.276	-150.00	-4.000	299.037	-2.00	1500+0.000	299.117	298.636	0.481	4.000	299.037	-2.00	4.051	298.960	-150.00
-4.478	299.916	-150.00	-4.000	300.633	-2.00	1501+0.000	300.713	300.275	0.438	4.000	300.633	-2.00	4.024	300.597	-150.00
-4.393	301.675	-150.00	-4.000	302.265	-2.00	1502+0.000	302.345	301.921	0.424	4.000	302.265	-2.00	4.059	302.176	-150.00
-4.400	303.391	-150.00	-4.000	303.991	-2.00	1503+0.000	304.071	303.637	0.433	4.000	303.991	-2.00	4.083	303.866	-150.00
-4.368	304.858	-150.00	-4.000	305.410	-2.00	1504+0.000	305.490	305.079	0.411	4.000	305.410	-2.00	4.102	305.257	-150.00
-4.319	306.133	-150.00	-4.000	306.613	-2.00	1505+0.000	306.693	306.275	0.417	4.000	306.613	-2.00	4.134	306.411	-150.00
-4.340	306.827	-150.00	-4.000	307.336	-2.00	1506+0.000	307.416	306.983	0.434	4.000	307.336	-2.00	4.144	307.121	-150.00
-4.332	307.209	-150.00	-4.000	307.708	-2.00	1507+0.000	307.788	307.368	0.420	4.000	307.708	-2.00	4.118	307.531	-150.00
-4.331	307.370	-150.00	-4.000	307.867	-2.00	1508+0.000	307.947	307.543	0.405	4.000	307.867	-2.00	4.108	307.706	-150.00
-4.308	307.268	-150.00	-4.000	307.730	-2.00	1509+0.000	307.810	307.411	0.400	4.000	307.730	-2.00	4.124	307.543	-150.00
-4.306	307.074	-150.00	-4.000	307.532	-2.00	1510+0.000	307.612	307.214	0.398	4.000	307.532	-2.00	4.137	307.326	-150.00
-4.313	306.783	-150.00	-4.000	307.252	-2.00	1511+0.000	307.332	306.935	0.397	4.000	307.252	-2.00	4.115	307.079	-150.00
-4.300	306.454	-150.00	-4.000	306.904	-2.00	1512+0.000	306.984	306.598	0.387	4.000	306.904	-2.00	4.113	306.735	-150.00
-4.311	306.079	-150.00	-4.000	306.545	-2.00	1513+0.000	306.625	306.236	0.389	4.000	306.545	-2.00	4.097	306.400	-150.00
-4.344	305.799	-150.00	-4.000	306.315	-2.00	1514+0.000	306.395	306.012	0.383	4.000	306.315	-2.00	4.071	306.209	-150.00
-4.352	305.564	-150.00	-4.000	306.092	-2.00	1515+0.000	306.172	305.777	0.394	4.000	306.092	-2.00	4.076	305.977	-150.00
-4.359	305.331	-150.00	-4.000	305.869	-2.00	1516+0.000	305.949	305.545	0.404	4.000	305.869	-2.00	4.080	305.749	-150.00
-4.375	305.038	-150.00	-4.000	305.600	-2.00	1517+0.000	305.680	305.288	0.392	4.000	305.600	-2.00	4.077	305.484	-150.00
-4.374	304.635	-150.00	-4.000	305.196	-2.00	1518+0.000	305.276	304.888	0.388	4.000	305.196	-2.00	4.050	305.122	-150.00
-4.361	304.249	-150.00	-4.000	304.790	-2.00	1519+0.000	304.870	304.501	0.369	4.000	304.790	-2.00	4.037	304.735	-150.00
-4.332	303.887	-150.00	-4.000	304.385	-2.00	1520+0.000	304.465	304.064	0.401	4.000	304.385	-2.00	4.103	304.231	-150.00
-4.291	303.812	-150.00	-4.000	304.249	-2.00	1521+0.000	304.329	303.931	0.398	4.000	304.249	-2.00	4.117	304.073	-150.00
-4.296	303.819	-150.00	-4.000	304.263	-2.00	1522+0.000	304.343	303.943	0.401	4.000	304.263	-2.00	4.152	304.036	-150.00
-4.256	303.840	-150.00	-4.000	304.223	-2.00	1523+0.000	304.303	303.900	0.403	4.000	304.223	-2.00	4.175	303.960	-150.00
-4.252	303.701	-150.00	-4.000	304.078	-2.00	1524+0.000	304.158	303.759	0.400	4.000	304.078	-2.00	4.175	303.816	-150.00
-4.249	303.523	-150.00	-4.000	303.896	-2.00	1525+0.000	303.976	303.575	0.401	4.000	303.896	-2.00	4.180	303.626	-150.00
-4.262	303.251	-150.00	-4.000	303.644	-2.00	1526+0.000	303.724	303.306	0.418	4.000	303.644	-2.00	4.196	303.350	-150.00
-4.235	302.983	-150.00	-4.000	303.335	-2.00	1527+0.000	303.415	303.026	0.389	4.000	303.335	-2.00	4.178	303.068	-150.00
-4.224	302.732	-150.00	-4.000	303.069	-2.00	1528+0.000	303.149	302.770	0.379	4.000	303.069	-2.00	4.176	302.805	-150.00
-4.241	302.638	-150.00	-4.000	302.999	-2.00	1529+0.000	303.079	302.682	0.398	4.000	302.999	-2.00	4.188	302.717	-150.00
-4.252	302.594	-150.00	-4.000	302.972	-2.00	1530+0.000	303.052	302.630	0.422	4.000	302.972	-2.00	4.209	302.657	-150.00
-4.235	302.590	-150.00	-4.000	302.943	-2.00	1531+0.000	303.023	302.624	0.398	4.000	302.943	-2.00	4.195	302.651	-150.00

Osvaldo Leonardo da Silva
Diretor da Diretoria de Projetos e Obras
Secretaria

-4.242	302.544	-150.00	-4.000	302.906	-2.00	1532+0.000	302.986	302.575	0.412	4.000	302.906	-2.00	4.203	302.601	-150.00
-4.242	302.409	-150.00	-4.000	302.773	-2.00	1533+0.000	302.853	302.444	0.408	4.000	302.773	-2.00	4.196	302.479	-150.00
-4.218	302.167	-150.00	-4.000	302.493	-2.00	1534+0.000	302.573	302.220	0.354	4.000	302.493	-2.00	4.147	302.273	-150.00
-4.255	301.831	-150.00	-4.000	302.214	-2.00	1535+0.000	302.294	301.888	0.406	4.000	302.214	-2.00	4.180	301.944	-150.00
-4.264	301.458	-150.00	-4.000	301.853	-2.00	1536+0.000	301.933	301.526	0.407	4.000	301.853	-2.00	4.174	301.592	-150.00
-4.244	301.032	-150.00	-4.000	301.397	-2.00	1537+0.000	301.477	301.108	0.369	4.000	301.397	-2.00	4.143	301.183	-150.00
-4.254	300.560	-150.00	-4.000	300.941	-2.00	1538+0.000	301.021	300.638	0.384	4.000	300.941	-2.00	4.152	300.713	-150.00
-4.269	300.152	-150.00	-4.000	300.556	-2.00	1539+0.000	300.636	300.265	0.371	4.000	300.556	-2.00	4.121	300.375	-150.00
-4.296	299.747	-150.00	-4.000	300.191	-2.00	1540+0.000	300.271	299.878	0.393	4.000	300.191	-2.00	4.125	300.003	-150.00
-4.302	299.434	-150.00	-4.000	299.887	-2.00	1541+0.000	299.967	299.562	0.406	4.000	299.887	-2.00	4.135	299.684	-150.00
-4.310	299.152	-150.00	-4.000	299.617	-2.00	1542+0.000	299.697	299.282	0.415	4.000	299.617	-2.00	4.140	299.407	-150.00
-4.316	298.998	-150.00	-4.000	299.471	-2.00	1543+0.000	299.551	299.132	0.419	4.000	299.471	-2.00	4.139	299.262	-150.00
-4.317	298.981	-150.00	-4.000	299.457	-2.00	1544+0.000	299.537	299.120	0.417	4.000	299.457	-2.00	4.136	299.253	-150.00
-4.311	299.108	-150.00	-4.000	299.575	-2.00	1545+0.000	299.655	299.228	0.427	4.000	299.575	-2.00	4.155	299.343	-150.00
-4.281	299.392	-150.00	-4.000	299.814	-2.00	1546+0.000	299.894	299.515	0.380	4.000	299.814	-2.00	4.135	299.612	-150.00
-4.291	299.713	-150.00	-4.000	300.149	-2.00	1547+0.000	300.229	299.826	0.403	4.000	300.149	-2.00	4.143	299.935	-150.00
-4.271	300.130	-150.00	-4.000	300.536	-2.00	1548+0.000	300.616	300.214	0.402	4.000	300.536	-2.00	4.150	300.310	-150.00
-4.248	300.687	-150.00	-4.000	301.059	-2.00	1549+0.000	301.139	300.734	0.405	4.000	301.059	-2.00	4.169	300.806	-150.00
-4.251	301.235	-150.00	-4.000	301.612	-2.00	1550+0.000	301.692	301.287	0.404	4.000	301.612	-2.00	4.179	301.343	-150.00
-4.248	301.801	-150.00	-4.000	302.172	-2.00	1551+0.000	302.252	301.861	0.391	4.000	302.172	-2.00	4.168	301.920	-150.00
-4.250	302.358	-150.00	-4.000	302.733	-2.00	1552+0.000	302.813	302.420	0.394	4.000	302.733	-2.00	4.175	302.471	-150.00
-4.233	302.817	-150.00	-4.000	303.167	-2.00	1553+0.000	303.247	302.843	0.403	4.000	303.167	-2.00	4.198	302.870	-150.00
-4.230	302.949	-150.00	-4.000	303.293	-2.00	1554+0.000	303.373	302.974	0.399	4.000	303.293	-2.00	4.195	303.001	-150.00
-4.298	303.192	-150.00	-4.000	303.639	-2.00	1555+0.000	303.719	303.324	0.395	4.000	303.639	-2.00	4.125	303.452	-150.00
-4.303	303.716	-150.00	-4.000	304.171	-2.00	1556+0.000	304.251	303.844	0.406	4.000	304.171	-2.00	4.134	303.969	-150.00
-4.249	304.463	-150.00	-4.000	304.837	-2.00	1557+0.000	304.917	304.538	0.380	4.000	304.837	-2.00	4.151	304.610	-150.00
-4.247	305.290	-150.00	-4.000	305.660	-2.00	1558+0.000	305.740	305.326	0.414	4.000	305.660	-2.00	4.199	305.361	-150.00
-4.196	306.091	-150.00	-4.000	306.385	-2.00	1559+0.000	306.465	306.057	0.408	4.000	306.385	-2.00	4.242	306.022	-150.00
-4.202	306.526	-150.00	-4.000	306.829	-2.00	1560+0.000	306.909	306.456	0.452	4.000	306.829	-2.00	4.273	306.420	-150.00
-4.202	306.593	-150.00	-4.000	306.896	-2.00	1561+0.000	306.976	306.585	0.391	4.000	306.896	-2.00	4.213	306.576	-150.00
-4.234	306.235	-150.00	-4.000	306.586	-2.00	1562+0.000	306.666	306.231	0.435	4.000	306.586	-2.00	4.240	306.226	-150.00
-4.224	305.728	-150.00	-4.000	306.065	-2.00	1563+0.000	306.145	305.785	0.360	4.000	306.065	-2.00	4.148	305.842	-150.00
-4.249	305.220	-150.00	-4.000	305.594	-2.00	1564+0.000	305.674	305.284	0.390	4.000	305.594	-2.00	4.165	305.346	-150.00
-4.264	304.775	-150.00	-4.000	305.171	-2.00	1565+0.000	305.251	304.862	0.389	4.000	305.171	-2.00	4.150	304.945	-150.00
-4.276	304.479	-150.00	-4.000	304.894	-2.00	1566+0.000	304.974	304.560	0.413	4.000	304.894	-2.00	4.169	304.641	-150.00
-4.249	304.858	-150.00	-4.000	305.232	-2.00	1567+0.000	305.312	304.911	0.401	4.000	305.232	-2.00	4.179	304.963	-150.00
-4.252	305.384	-150.00	-4.000	305.762	-2.00	1568+0.000	305.842	305.433	0.409	4.000	305.762	-2.00	4.188	305.481	-150.00
-4.250	305.641	-150.00	-4.000	306.016	-2.00	1569+0.000	306.096	305.689	0.407	4.000	306.016	-2.00	4.184	305.739	-150.00
-4.239	305.759	-150.00	-4.000	306.118	-2.00	1570+0.000	306.198	305.804	0.394	4.000	306.118	-2.00	4.180	305.848	-150.00
-4.242	305.825	-150.00	-4.000	306.188	-2.00	1571+0.000	306.268	305.870	0.398	4.000	306.188	-2.00	4.182	305.915	-150.00
-4.284	305.808	-150.00	-4.000	306.234	-2.00	1572+0.000	306.314	305.909	0.405	4.000	306.234	-2.00	4.163	305.989	-150.00
-4.278	305.736	-150.00	-4.000	306.154	-2.00	1573+0.000	306.234	305.837	0.397	4.000	306.154	-2.00	4.136	305.950	-150.00
-4.307	305.873	-150.00	-4.000	306.334	-2.00	1574+0.000	306.414	306.004	0.410	4.000	306.334	-2.00	4.136	306.129	-150.00
-4.319	305.995	-150.00	-4.000	306.473	-2.00	1575+0.000	306.553	306.150	0.404	4.000	306.473	-2.00	4.120	306.293	-150.00
-4.312	305.943	-150.00	-4.000	306.411	-2.00	1576+0.000	306.491	306.093	0.398	4.000	306.411	-2.00	4.117	306.235	-150.00
-4.315	305.966	-150.00	-4.000	306.438	-2.00	1577+0.000	306.518	306.115	0.403	4.000	306.438	-2.00	4.121	306.256	-150.00
-4.307	305.878	-150.00	-4.000	306.339	-2.00	1578+0.000	306.419	306.020	0.399	4.000	306.339	-2.00	4.123	306.155	-150.00
-4.275	305.635	-150.00	-4.000	306.047	-2.00	1579+0.000	306.127	305.733	0.394	4.000	306.047	-2.00	4.146	305.829	-150.00
-4.272	305.200	-150.00	-4.000	305.609	-2.00	1580+0.000	305.689	305.306	0.383	4.000	305.609	-2.00	4.140	305.399	-150.00
-4.241	304.734	-150.00	-4.000	305.095	-2.00	1581+0.000	305.175	304.804	0.371	4.000	305.095	-2.00	4.148	304.873	-150.00
-4.251	304.271	-150.00	-4.000	304.647	-2.00	1582+0.000	304.727	304.337	0.389	4.000	304.647	-2.00	4.163	304.402	-150.00
-4.238	303.928	-150.00	-4.000	304.285	-2.00	1583+0.000	304.365	303.985	0.380	4.000	304.285	-2.00	4.163	304.041	-150.00
-4.237	303.596	-150.00	-4.000	303.952	-2.00	1584+0.000	304.032	303.650	0.381	4.000	303.952	-2.00	4.165	303.704	-150.00
-4.235	303.445	-150.00	-4.000	303.798	-2.00	1585+0.000	303.878	303.500	0.377	4.000	303.798	-2.00	4.171	303.541	-150.00
-4.228	303.633	-150.00	-4.000	303.975	-2.00	1586+0.000	304.055	303.682	0.374	4.000	303.975	-2.00	4.164	303.730	-150.00
-4.287	303.855	-150.00	-4.000	304.286	-2.00	1587+0.000	304.366	303.954	0.412	4.000	304.286	-2.00	4.157	304.050	-150.00
-4.267	304.182	-150.00	-4.000	304.583	-2.00	1588+0.000	304.663	304.277	0.386	4.000	304.583	-2.00	4.146	304.364	-150.00
-4.327	304.283	-150.00	-4.000	304.773	-2.00	1589+0.000	304.853	304.446	0.408	4.000	304.773	-2.00	4.115	304.601	-150.00
-4.313	304.369	-150.00	-4.000	304.839	-2.00	1590+0.000	304.919	304.546	0.373	4.000	304.839	-2.00	4.084	304.712	-150.00
-4.277	304.364	-150.00	-4.000	304.779	-2.00	1591+0.000	304.859	304.512	0.347	4.000	304.779	-2.00	4.090	304.644	-150.00
-4.274	304.239	-150.00	-4.000	304.649	-2.00	1592+0.000	304.729	304.370	0.359	4.000	304.649	-2.00	4.101	304.497	-150.00
-4.316	304.045	-150.00	-4.000	304.519	-2.00	1593+0.000	304.599	304.172	0.427	4.000	304.519	-2.00	4.150	304.295	-150.00
-4.159	304.156	-150.00	-4.000	304.394	-2.00	1594+0.000	304.474	304.183	0.291	4.000	304.394	-2.00	4.123	304.210	-150.00
-4.198	304.082	-150.00	-4.000	304.379	-2.00	1595+0.000	304.459	304.084	0.375	4.000	304.379	-2.00	4.218	304.052	-150.00
-4.193	304.393	-150.00	-4.000	304.682	-2.00	1596+0.000	304.762	304.352	0.411	4.000	304.682	-2.00	4.235	304.329	-150.00
-4.142	304.773	-150.00	-4.000	304.986	-2.00	1597+0.000	305.066	304.669	0.397	4.000	304.986	-2.00	4.268	304.584	-150.00
-4.149	305.062	-150.00	-4.000	305.285	-2.00	1598+0.000	305.365	304.961	0.404	4.000	305.285	-2.00	4.293	304.845	-150.00
-4.133	305.269	-150.00	-4.000	305.469	-2.00	1599+0.000	305.549	305.146	0.403	4.000	305.469	-2.00	4.301	305.018	-150.00
-4.122	305.409	-150.00	-4.000	305.591	-2.00	1600+0.000	305.671	305.272	0.399	4.000	305.591	-2.00	4.316	305.118	-150.00
-4.109	305.441	-150.00	-4.000	305.605	-2.00	1601+0.000	305.685	305.294	0.391	4.000	305.605	-2.00	4.309	305.142	-150.00
-4.069	305.515	-150.00	-4.000	305.618	-2.00	1602+0.000	305.698	305.347	0.351	4.000	305.618	-2.00	4.299	305.169	-150.00
-4.087	305.501	-150.00	-4.000	305.632	-2.00	1603+0.000	305.712	305.331	0.380	4.000	305.632	-2.00	4.320	305.152	-150.00
-4.129	305.519	-150.00	-4.000	305.713	-2.00	1604+0.000	305.793	305.392	0.401	4.000	305.713	-2.00	4.302	305.260	-150.00
-4.139	305.477	-150.00	-4.000	305.685	-2.00	1605+0.000	305.765	305.344	0.421	4.000	305.685	-2.00	4.315	305.214	-150.00
-4.139	305.431	-150.00	-4.000	305.640	-2.00	1606+0.000	305.720	305.337	0.383	4.000	305.640	-2.00	4.266	305.240	-150.00
-4.153	305.347	-150.00	-4.000	305.576	-2.00	1607+0.000	305.656	305.256	0.400	4.000	305.576	-2.00	4.253	305.197	-150.00
-4.193	305.208	-150.00	-4.000	305.497	-2.00	1608+0.000	305.577	305.187	0.390	4.000	305.497	-2.00	4.248	305.125	-150.00
-4.237	305.064	-150.00	-4.000	305.419	-2.00	1609+0.000	305.499	305.099	0.400	4.000	305.419	-2.00	4.233	305.070	-150.00
-4.243	304.976	-150.00	-4.000	305.341	-2.00	1610+0.000	305.421	305.016	0.405	4.000	305.341	-2.00	4.223	305.006	-150.00
-4.252	304.885	-150.00	-4.000	305.262	-2.00	1611+0.000	305.342	304.944	0.399	4.000	305.262	-2.00	4.192	304.975	-150.00
-4.274	304.836	-150.00	-4.000	305.247	-2.00	1612+0.000	305.327	304.896	0.431	4.000	305.247	-2.00	4.201	304.945	-150.00

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades (Sucid)

-4.278	304.814	-150.00	-4.000	305.231	-2.00	1613+0.000	305.311	304.873	0.439	4.000	305.231	-2.00	4.201	304.930	-150.00
-4.264	304.819	-150.00	-4.000	305.216	-2.00	1614+0.000	305.296	304.875	0.421	4.000	305.216	-2.00	4.191	304.930	-150.00
-4.251	304.841	-150.00	-4.000	305.217	-2.00	1615+0.000	305.297	304.897	0.401	4.000	305.217	-2.00	4.178	304.950	-150.00
-4.240	304.912	-150.00	-4.000	305.271	-2.00	1616+0.000	305.351	304.956	0.395	4.000	305.271	-2.00	4.181	305.000	-150.00
-4.234	304.974	-150.00	-4.000	305.325	-2.00	1617+0.000	305.405	305.012	0.393	4.000	305.325	-2.00	4.183	305.050	-150.00
-4.239	305.021	-150.00	-4.000	305.379	-2.00	1618+0.000	305.459	305.060	0.400	4.000	305.379	-2.00	4.188	305.098	-150.00
-4.214	305.111	-150.00	-4.000	305.432	-2.00	1619+0.000	305.512	305.141	0.371	4.000	305.432	-2.00	4.174	305.171	-150.00
-4.172	305.226	-150.00	-4.000	305.484	-2.00	1620+0.000	305.564	305.247	0.317	4.000	305.484	-2.00	4.166	305.235	-150.00
-4.202	305.233	-150.00	-4.000	305.536	-2.00	1621+0.000	305.616	305.221	0.395	4.000	305.536	-2.00	4.219	305.208	-150.00
-4.183	305.276	-150.00	-4.000	305.551	-2.00	1622+0.000	305.631	305.240	0.391	4.000	305.551	-2.00	4.232	305.203	-150.00
-4.188	305.281	-150.00	-4.000	305.563	-2.00	1623+0.000	305.643	305.245	0.398	4.000	305.563	-2.00	4.246	305.194	-150.00
-4.171	305.248	-150.00	-4.000	305.504	-2.00	1624+0.000	305.584	305.179	0.405	4.000	305.504	-2.00	4.263	305.109	-150.00
-4.156	305.193	-150.00	-4.000	305.427	-2.00	1625+0.000	305.507	305.114	0.393	4.000	305.427	-2.00	4.263	305.033	-150.00
-4.156	305.120	-150.00	-4.000	305.354	-2.00	1626+0.000	305.434	305.041	0.393	4.000	305.354	-2.00	4.263	304.960	-150.00
-4.136	305.092	-150.00	-4.000	305.296	-2.00	1627+0.000	305.376	305.014	0.362	4.000	305.296	-2.00	4.242	304.933	-150.00
-4.145	305.019	-150.00	-4.000	305.237	-2.00	1628+0.000	305.317	304.939	0.378	4.000	305.237	-2.00	4.250	304.862	-150.00
-4.150	304.953	-150.00	-4.000	305.179	-2.00	1629+0.000	305.259	304.877	0.382	4.000	305.179	-2.00	4.253	304.799	-150.00
-4.162	304.877	-150.00	-4.000	305.120	-2.00	1630+0.000	305.200	304.802	0.398	4.000	305.120	-2.00	4.263	304.726	-150.00
-4.171	304.824	-150.00	-4.000	305.081	-2.00	1631+0.000	305.161	304.749	0.412	4.000	305.081	-2.00	4.273	304.673	-150.00
-4.213	304.724	-150.00	-4.000	305.043	-2.00	1632+0.000	305.123	304.710	0.413	4.000	305.043	-2.00	4.260	304.653	-150.00
-4.184	304.729	-150.00	-4.000	305.005	-2.00	1633+0.000	305.085	304.685	0.400	4.000	305.005	-2.00	4.242	304.641	-150.00
-4.193	304.778	-150.00	-4.000	305.067	-2.00	1634+0.000	305.147	304.748	0.399	4.000	305.067	-2.00	4.234	304.717	-150.00
-4.184	304.929	-150.00	-4.000	305.205	-2.00	1635+0.000	305.285	304.871	0.414	4.000	305.205	-2.00	4.262	304.812	-150.00
-4.176	305.068	-150.00	-4.000	305.332	-2.00	1636+0.000	305.412	305.025	0.387	4.000	305.332	-2.00	4.240	304.971	-150.00
-4.180	305.171	-150.00	-4.000	305.441	-2.00	1637+0.000	305.521	305.130	0.391	4.000	305.441	-2.00	4.235	305.088	-150.00
-4.196	305.157	-150.00	-4.000	305.451	-2.00	1638+0.000	305.531	305.101	0.430	4.000	305.451	-2.00	4.271	305.045	-150.00
-4.173	305.227	-150.00	-4.000	305.488	-2.00	1639+0.000	305.568	305.171	0.397	4.000	305.488	-2.00	4.250	305.113	-150.00
-4.174	305.262	-150.00	-4.000	305.524	-2.00	1640+0.000	305.604	305.192	0.412	4.000	305.524	-2.00	4.269	305.121	-150.00
-4.178	305.293	-150.00	-4.000	305.560	-2.00	1641+0.000	305.640	305.224	0.416	4.000	305.560	-2.00	4.271	305.154	-150.00
-4.184	305.294	-150.00	-4.000	305.569	-2.00	1642+0.000	305.649	305.245	0.405	4.000	305.569	-2.00	4.249	305.195	-150.00
-4.205	305.237	-150.00	-4.000	305.545	-2.00	1643+0.000	305.625	305.207	0.418	4.000	305.545	-2.00	4.240	305.185	-150.00
-4.208	305.209	-150.00	-4.000	305.521	-2.00	1644+0.000	305.601	305.194	0.407	4.000	305.521	-2.00	4.233	305.171	-150.00
-4.196	305.153	-150.00	-4.000	305.447	-2.00	1645+0.000	305.527	305.133	0.395	4.000	305.447	-2.00	4.222	305.114	-150.00
-4.205	305.014	-150.00	-4.000	305.322	-2.00	1646+0.000	305.402	304.997	0.405	4.000	305.322	-2.00	4.232	304.975	-150.00
-4.192	304.990	-150.00	-4.000	305.277	-2.00	1647+0.000	305.357	304.965	0.392	4.000	305.277	-2.00	4.225	304.939	-150.00
-4.196	305.020	-150.00	-4.000	305.314	-2.00	1648+0.000	305.394	304.990	0.403	4.000	305.314	-2.00	4.236	304.960	-150.00
-4.203	305.128	-150.00	-4.000	305.432	-2.00	1649+0.000	305.512	305.095	0.416	4.000	305.432	-2.00	4.246	305.062	-150.00
-4.174	305.370	-150.00	-4.000	305.631	-2.00	1650+0.000	305.711	305.323	0.388	4.000	305.631	-2.00	4.237	305.275	-150.00
-4.174	305.650	-150.00	-4.000	305.911	-2.00	1651+0.000	305.991	305.599	0.392	4.000	305.911	-2.00	4.242	305.548	-150.00
-4.169	305.982	-150.00	-4.000	306.236	-2.00	1652+0.000	306.316	305.934	0.381	4.000	306.236	-2.00	4.231	305.890	-150.00
-4.174	306.299	-150.00	-4.000	306.560	-2.00	1653+0.000	306.640	306.242	0.399	4.000	306.560	-2.00	4.252	306.183	-150.00
-4.174	306.590	-150.00	-4.000	306.852	-2.00	1654+0.000	306.932	306.527	0.405	4.000	306.852	-2.00	4.260	306.462	-150.00
-4.171	306.816	-150.00	-4.000	307.073	-2.00	1655+0.000	307.153	306.745	0.408	4.000	307.073	-2.00	4.268	306.670	-150.00
-4.166	306.912	-150.00	-4.000	307.161	-2.00	1656+0.000	307.241	306.846	0.396	4.000	307.161	-2.00	4.256	306.777	-150.00
-4.175	306.963	-150.00	-4.000	307.226	-2.00	1657+0.000	307.306	306.903	0.403	4.000	307.226	-2.00	4.256	306.841	-150.00
-4.184	306.923	-150.00	-4.000	307.199	-2.00	1658+0.000	307.279	306.881	0.398	4.000	307.199	-2.00	4.240	306.838	-150.00
-4.187	306.866	-150.00	-4.000	307.146	-2.00	1659+0.000	307.226	306.826	0.400	4.000	307.146	-2.00	4.218	306.819	-150.00
-4.189	306.810	-150.00	-4.000	307.093	-2.00	1660+0.000	307.173	306.813	0.360	4.000	307.093	-2.00	4.184	306.817	-150.00
-4.249	306.666	-150.00	-4.000	307.040	-2.00	1661+0.000	307.120	306.719	0.401	4.000	307.040	-2.00	4.179	306.771	-150.00
-4.261	306.596	-150.00	-4.000	306.987	-2.00	1662+0.000	307.067	306.647	0.420	4.000	306.987	-2.00	4.190	306.702	-150.00
-4.298	306.487	-150.00	-4.000	306.934	-2.00	1663+0.000	307.014	306.593	0.421	4.000	306.934	-2.00	4.159	306.695	-150.00
-4.287	306.458	-150.00	-4.000	306.889	-2.00	1664+0.000	306.969	306.556	0.413	4.000	306.889	-2.00	4.159	306.649	-150.00
-4.310	306.387	-150.00	-4.000	306.852	-2.00	1665+0.000	306.932	306.484	0.447	4.000	306.852	-2.00	4.182	306.578	-150.00
-4.294	306.374	-150.00	-4.000	306.814	-2.00	1666+0.000	306.894	306.467	0.428	4.000	306.814	-2.00	4.169	306.561	-150.00
-4.271	306.371	-150.00	-4.000	306.777	-2.00	1667+0.000	306.857	306.462	0.396	4.000	306.777	-2.00	4.151	306.551	-150.00
-4.229	306.397	-150.00	-4.000	306.740	-2.00	1668+0.000	306.820	306.467	0.354	4.000	306.740	-2.00	4.137	306.535	-150.00
-4.265	306.295	-150.00	-4.000	306.692	-2.00	1669+0.000	306.772	306.367	0.405	4.000	306.692	-2.00	4.174	306.431	-150.00
-4.254	306.234	-150.00	-4.000	306.615	-2.00	1670+0.000	306.695	306.287	0.408	4.000	306.615	-2.00	4.183	306.340	-150.00
-4.250	306.162	-150.00	-4.000	306.537	-2.00	1671+0.000	306.617	306.213	0.404	4.000	306.537	-2.00	4.183	306.263	-150.00
-4.220	306.191	-150.00	-4.000	306.521	-2.00	1672+0.000	306.601	306.220	0.381	4.000	306.521	-2.00	4.173	306.262	-150.00
-4.248	306.328	-150.00	-4.000	306.699	-2.00	1673+0.000	306.779	306.378	0.402	4.000	306.699	-2.00	4.179	306.430	-150.00
-4.250	306.752	-150.00	-4.000	307.128	-2.00	1674+0.000	307.208	306.805	0.402	4.000	307.128	-2.00	4.180	306.858	-150.00
-4.233	307.327	-150.00	-4.000	307.676	-2.00	1675+0.000	307.756	307.366	0.390	4.000	307.676	-2.00	4.181	307.405	-150.00
-4.243	307.915	-150.00	-4.000	308.279	-2.00	1676+0.000	308.359	307.961	0.398	4.000	308.279	-2.00	4.182	308.007	-150.00
-4.251	308.605	-150.00	-4.000	308.982	-2.00	1677+0.000	309.062	308.642	0.421	4.000	308.982	-2.00	4.203	308.677	-150.00
-4.262	309.139	-150.00	-4.000	309.532	-2.00	1678+0.000	309.612	309.130	0.483	4.000	309.532	-2.00	4.265	309.136	-150.00
-4.205	309.739	-150.00	-4.000	310.046	-2.00	1679+0.000	310.126	309.718	0.409	4.000	310.046	-2.00	4.233	309.697	-150.00
-4.204	310.110	-150.00	-4.000	310.415	-2.00	1680+0.000	310.495	310.084	0.411	4.000	310.415	-2.00	4.239	310.056	-150.00
-4.186	310.466	-150.00	-4.000	310.745	-2.00	1681+0.000	310.825	310.423	0.402	4.000	310.745	-2.00	4.236	310.391	-150.00
-4.173	310.785	-150.00	-4.000	311.045	-2.00	1682+0.000	311.125	310.742	0.383	4.000	311.045	-2.00	4.232	310.697	-150.00
-4.183	311.088	-150.00	-4.000	311.362	-2.00	1683+0.000	311.442	311.098	0.344	4.000	311.362	-2.00	4.170	311.107	-150.00
-4.203	311.377	-150.00	-4.000	311.682	-2.00	1684+0.000	311.762	311.371	0.391	4.000	311.682	-2.00	4.212	311.364	-150.00
-4.210	311.505	-150.00	-4.000	311.819	-2.00	1685+0.000	311.899	311.549	0.351	4.000	311.819	-2.00	4.152	311.592	-150.00
-4.245	311.583	-150.00	-4.000	311.950	-2.00	1686+0.000	312.030	311.621	0.409	4.000	311.950	-2.00	4.180	311.681	-150.00
-4.276	311.744	-150.00	-4.000	312.158	-2.00	1687+0.000	312.238	311.840	0.397	4.000	312.158	-2.00	4.149	311.934	-150.00
-4.298	311.977	-150.00	-4.000	312.424	-2.00	1688+0.000	312.504	312.057	0.447	4.000	312.424	-2.00	4.209	312.110	-150.00
-4.256	312.307	-150.00	-4.000	312.691	-2.00	1689+0.000	312.771	312.367	0.404	4.000	312.691	-2.00	4.177	312.426	-150.00
-4.249	312.714	-150.00	-4.000	313.087	-2.00	1690+0.000	313.167	312.716	0.451	4.000	313.087	-2.00	4.250	312.711	-150.00
-4.224	313.147	-150.00	-4.000	313.482	-2.00	1691+0.000	313.562	313.158	0.405	4.000	313.482	-2.00	4.219	313.154	-150.00
-4.192	313.718	-150.00	-4.000	314.006	-2.00	1692+0.000	314.086	313.679	0.407	4.000	314.006	-2.00	4.247	313.635	-150.00
-4.195	314.279	-150.00	-4.000	314.572	-2.00	1693+0.000	314.652	314.243	0.409	4.000	314.572	-2.00	4.256	314.188	-150.00

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPRO
Secretaria das Cidades (SCid)

-4.175	314.800	-150.00	-4.000	315.063	-2.00	1694+0.000	315.143	314.734	0.409	4.000	315.063	-2.00	4.264	314.666	-150.00
-4.170	315.220	-150.00	-4.000	315.475	-2.00	1695+0.000	315.555	315.152	0.404	4.000	315.475	-2.00	4.284	315.050	-150.00
-4.147	315.521	-150.00	-4.000	315.741	-2.00	1696+0.000	315.821	315.421	0.400	4.000	315.741	-2.00	4.292	315.304	-150.00
-4.123	315.419	-150.00	-4.000	315.603	-2.00	1697+0.000	315.683	315.301	0.383	4.000	315.603	-2.00	4.312	315.135	-150.00
-4.098	315.181	-150.00	-4.000	315.328	-2.00	1698+0.000	315.408	315.007	0.401	4.000	315.328	-2.00	4.337	314.822	-150.00
-4.086	314.838	-150.00	-4.000	314.967	-2.00	1699+0.000	315.047	314.646	0.401	4.000	314.967	-2.00	4.341	314.455	-150.00
-4.087	314.410	-150.00	-4.000	314.540	-2.00	1700+0.000	314.620	314.221	0.399	4.000	314.540	-2.00	4.346	314.021	-150.00
-4.092	314.016	-150.00	-4.000	314.154	-2.00	1701+0.000	314.234	313.838	0.396	4.000	314.154	-2.00	4.336	313.650	-150.00
-4.106	313.818	-150.00	-4.000	313.976	-2.00	1702+0.000	314.056	313.637	0.419	4.000	313.976	-2.00	4.338	313.469	-150.00
-4.110	313.498	-150.00	-4.000	313.662	-2.00	1703+0.000	313.742	313.326	0.416	4.000	313.662	-2.00	4.365	313.115	-150.00
-4.097	312.956	-150.00	-4.000	313.102	-2.00	1704+0.000	313.182	312.780	0.401	4.000	313.102	-2.00	4.338	312.595	-150.00
-4.080	312.342	-150.00	-4.000	312.461	-2.00	1705+0.000	312.541	312.141	0.401	4.000	312.461	-2.00	4.357	311.926	-150.00
-4.069	311.701	-150.00	-4.000	311.805	-2.00	1706+0.000	311.885	311.488	0.397	4.000	311.805	-2.00	4.289	311.371	-150.00
-4.105	311.269	-150.00	-4.000	311.427	-2.00	1707+0.000	311.507	311.110	0.397	4.000	311.427	-2.00	4.296	310.983	-150.00
-4.130	310.919	-150.00	-4.000	311.114	-2.00	1708+0.000	311.194	310.795	0.399	4.000	311.114	-2.00	4.286	310.685	-150.00
-4.155	310.655	-150.00	-4.000	310.887	-2.00	1709+0.000	310.967	310.568	0.399	4.000	310.887	-2.00	4.272	310.478	-150.00
-4.180	310.390	-150.00	-4.000	310.659	-2.00	1710+0.000	310.739	310.310	0.430	4.000	310.659	-2.00	4.282	310.236	-150.00
-4.160	310.158	-150.00	-4.000	310.398	-2.00	1711+0.000	310.478	310.146	0.332	4.000	310.398	-2.00	4.216	310.073	-150.00
-4.270	309.696	-150.00	-4.000	310.101	-2.00	1712+0.000	310.181	309.734	0.447	4.000	310.101	-2.00	4.218	309.774	-150.00
-4.255	309.421	-150.00	-4.000	309.804	-2.00	1713+0.000	309.884	309.463	0.421	4.000	309.804	-2.00	4.201	309.503	-150.00
-4.269	309.078	-150.00	-4.000	309.482	-2.00	1714+0.000	309.562	309.159	0.403	4.000	309.482	-2.00	4.157	309.247	-150.00
-4.267	308.732	-150.00	-4.000	309.132	-2.00	1715+0.000	309.212	308.818	0.395	4.000	309.132	-2.00	4.151	308.906	-150.00
-4.271	308.396	-150.00	-4.000	308.802	-2.00	1716+0.000	308.882	308.490	0.392	4.000	308.802	-2.00	4.143	308.587	-150.00
-4.245	308.176	-150.00	-4.000	308.543	-2.00	1717+0.000	308.623	308.251	0.372	4.000	308.543	-2.00	4.145	308.325	-150.00
-4.262	307.917	-150.00	-4.000	308.309	-2.00	1718+0.000	308.389	308.010	0.380	4.000	308.309	-2.00	4.134	308.107	-150.00
-4.258	308.081	-150.00	-4.000	308.467	-2.00	1719+0.000	308.547	308.147	0.400	4.000	308.467	-2.00	4.195	308.175	-150.00
-4.274	308.274	-150.00	-4.000	308.685	-2.00	1720+0.000	308.765	308.363	0.402	4.000	308.685	-2.00	4.168	308.432	-150.00
-4.245	308.799	-150.00	-4.000	309.167	-2.00	1721+0.000	309.247	308.848	0.399	4.000	309.167	-2.00	4.181	308.896	-150.00
-4.249	309.316	-150.00	-4.000	309.690	-2.00	1722+0.000	309.770	309.370	0.400	4.000	309.690	-2.00	4.179	309.421	-150.00
-4.265	309.815	-150.00	-4.000	310.212	-2.00	1723+0.000	310.292	309.863	0.429	4.000	310.212	-2.00	4.201	309.911	-150.00
-4.240	310.209	-150.00	-4.000	310.569	-2.00	1724+0.000	310.649	310.238	0.411	4.000	310.569	-2.00	4.173	310.309	-150.00
-4.231	310.354	-150.00	-4.000	310.700	-2.00	1725+0.000	310.780	310.367	0.413	4.000	310.700	-2.00	4.193	310.411	-150.00
-4.252	310.385	-150.00	-4.000	310.764	-2.00	1726+0.000	310.844	310.426	0.417	4.000	310.764	-2.00	4.189	310.481	-150.00
-4.271	310.335	-150.00	-4.000	310.742	-2.00	1727+0.000	310.822	310.413	0.409	4.000	310.742	-2.00	4.170	310.487	-150.00
-4.277	310.035	-150.00	-4.000	310.450	-2.00	1728+0.000	310.530	310.129	0.401	4.000	310.450	-2.00	4.147	310.229	-150.00
-4.267	309.611	-150.00	-4.000	310.012	-2.00	1729+0.000	310.092	309.715	0.377	4.000	310.012	-2.00	4.131	309.816	-150.00
-4.286	308.900	-150.00	-4.000	309.328	-2.00	1730+0.000	309.408	309.005	0.403	4.000	309.328	-2.00	4.156	309.094	-150.00
-4.258	308.073	-150.00	-4.000	308.460	-2.00	1731+0.000	308.540	308.195	0.345	4.000	308.460	-2.00	4.090	308.324	-150.00
-4.218	307.274	-150.00	-4.000	307.601	-2.00	1732+0.000	307.681	307.384	0.297	4.000	307.601	-2.00	4.062	307.508	-150.00
-4.066	306.692	-150.00	-4.000	306.791	-2.00	1733+0.000	306.871	306.809	0.062	4.000	306.791	-2.00	4.257	306.962	66.67
-4.055	306.605	-150.00	-4.000	306.688	-2.00	1734+0.000	306.768	306.706	0.062	4.000	306.688	-2.00	4.199	306.821	66.67
-4.209	307.103	-150.00	-4.000	307.417	-2.00	1735+0.000	307.497	307.207	0.290	4.000	307.417	-2.00	4.073	307.307	-150.00
-4.187	307.865	-150.00	-4.000	308.145	-2.00	1736+0.000	308.225	307.915	0.310	4.000	308.145	-2.00	4.110	307.980	-150.00
-4.127	308.684	-150.00	-4.000	308.874	-2.00	1737+0.000	308.954	308.710	0.243	4.000	308.874	-2.00	4.089	308.741	-150.00
-4.026	309.563	-150.00	-4.000	309.602	-2.00	1738+0.000	309.682	309.574	0.108	4.000	309.602	-2.00	4.011	309.585	-150.00
			-4.000	310.331	-2.00	1739+0.000	310.411	310.369	0.041	4.000	310.331	-2.00	4.120	310.411	66.67
-4.068	310.957	-150.00	-4.000	311.059	-2.00	1740+0.000	311.139	311.000	0.139	4.000	311.059	-2.00	4.015	311.037	-150.00
-4.122	311.604	-150.00	-4.000	311.788	-2.00	1741+0.000	311.868	311.625	0.243	4.000	311.788	-2.00	4.095	311.646	-150.00
-4.191	312.230	-150.00	-4.000	312.516	-2.00	1742+0.000	312.596	312.251	0.346	4.000	312.516	-2.00	4.164	312.271	-150.00
-4.232	312.884	-150.00	-4.000	313.232	-2.00	1743+0.000	313.312	312.894	0.418	4.000	313.232	-2.00	4.213	312.912	-150.00
-4.235	313.583	-150.00	-4.000	313.936	-2.00	1744+0.000	314.016	313.609	0.407	4.000	313.936	-2.00	4.201	313.635	-150.00
-4.204	314.671	-150.00	-4.000	314.976	-2.00	1745+0.000	315.056	314.674	0.383	4.000	314.976	-2.00	4.210	314.661	-150.00
-4.249	315.749	-150.00	-4.000	316.122	-2.00	1746+0.000	316.202	315.792	0.410	4.000	316.122	-2.00	4.191	315.835	-150.00
-4.275	316.980	-150.00	-4.000	317.393	-2.00	1747+0.000	317.473	317.055	0.418	4.000	317.393	-2.00	4.188	317.110	-150.00
-4.290	318.150	-150.00	-4.000	318.586	-2.00	1748+0.000	318.666	318.251	0.415	4.000	318.586	-2.00	4.170	318.330	-150.00
-4.284	319.295	-150.00	-4.000	319.721	-2.00	1749+0.000	319.801	319.390	0.410	4.000	319.721	-2.00	4.166	319.472	-150.00
-4.301	320.188	-150.00	-4.000	320.640	-2.00	1750+0.000	320.720	320.303	0.417	4.000	320.640	-2.00	4.157	320.405	-150.00
-4.315	320.871	-150.00	-4.000	321.344	-2.00	1751+0.000	321.424	321.001	0.423	4.000	321.344	-2.00	4.157	321.108	-150.00
-4.307	321.338	-150.00	-4.000	321.799	-2.00	1752+0.000	321.879	321.489	0.390	4.000	321.799	-2.00	4.135	321.596	-150.00
-4.248	321.262	-150.00	-4.000	321.634	-2.00	1753+0.000	321.714	321.422	0.292	4.000	321.634	-2.00	4.070	321.528	-150.00
-4.276	320.887	-150.00	-4.000	321.300	-2.00	1754+0.000	321.380	321.003	0.377	4.000	321.300	-2.00	4.138	321.094	-150.00
-4.149	320.133	-150.00	-4.000	320.356	-2.00	1755+0.000	320.436	320.225	0.210	4.000	320.356	-2.00	4.025	320.319	-150.00
-4.007	319.235	66.67	-4.000	319.231	-2.00	1755+15.000	319.311	319.311	0.000	4.000	319.231	-2.00	4.239	319.390	66.67

Osvaldo Leôncio da Silveira Filho
Diretor da Unidade de Projetos e Obras - DUPO
Secretaria das Obras do Estado

SECRETARIA DAS **CIDADES** - SECID

GOVERNO DO **PIAUÍ**
AQUI TEM **TRABALHO**.
AQUI TEM **FUTURO**.

TRECHO 6: CORONEL JOSÉ DIAS (POVOADO GANGORRA)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
0+0,00	0,330	0,000	0,000	0,000	0,000	0,000	0,000
1+0,00	0,000	1,370	3,300	13,740	3,300	13,740	-10,440
2+0,00	0,000	2,520	0,000	38,950	3,300	52,690	-49,390
3+0,00	0,000	2,880	0,000	54,030	3,300	106,730	-103,430
4+0,00	0,000	2,970	0,000	58,490	3,300	165,210	-161,910
5+0,00	0,000	3,260	0,000	62,250	3,300	227,470	-224,170
6+0,00	0,000	3,410	0,000	66,710	3,300	294,170	-290,870
7+0,00	0,000	3,090	0,000	65,030	3,300	359,210	-355,910
8+0,00	0,000	3,910	0,000	70,030	3,300	429,240	-425,940
9+0,00	0,000	4,280	0,000	81,970	3,300	511,200	-507,900
10+0,00	0,000	6,930	0,000	112,150	3,300	623,350	-620,050
11+0,00	0,000	7,340	0,000	142,680	3,300	766,030	-762,730
12+0,00	0,000	7,230	0,000	145,710	3,300	911,740	-908,440
13+0,00	0,000	6,300	0,000	135,280	3,300	1047,020	-1043,720
14+0,00	0,000	4,620	0,000	109,130	3,300	1156,150	-1152,850
15+0,00	0,000	3,090	0,000	77,080	3,300	1233,230	-1229,930
16+0,00	0,000	2,110	0,000	52,020	3,300	1285,240	-1281,940
17+0,00	0,000	2,820	0,000	49,350	3,300	1334,590	-1331,290
18+0,00	0,000	2,990	0,000	58,140	3,300	1392,730	-1389,430
19+0,00	0,000	1,620	0,000	46,100	3,300	1438,830	-1435,530
20+0,00	0,000	2,670	0,000	42,870	3,300	1481,700	-1478,400
21+0,00	0,000	3,860	0,000	65,220	3,300	1546,910	-1543,610
22+0,00	0,000	4,420	0,000	82,740	3,300	1629,660	-1626,360
23+0,00	0,000	4,350	0,000	87,720	3,300	1717,380	-1714,080
24+0,00	0,000	4,100	0,000	84,490	3,300	1801,870	-1798,570
25+0,00	0,000	3,210	0,000	73,070	3,300	1874,940	-1871,640
26+0,00	0,000	2,820	0,000	60,260	3,300	1935,200	-1931,900
27+0,00	0,000	2,490	0,000	53,090	3,300	1988,290	-1984,990
28+0,00	0,000	2,980	0,000	54,700	3,300	2042,990	-2039,690
29+0,00	0,000	2,960	0,000	59,390	3,300	2102,380	-2099,080
30+0,00	0,000	2,900	0,000	58,610	3,300	2160,990	-2157,690
31+0,00	0,000	2,880	0,000	57,850	3,300	2218,840	-2215,540
32+0,00	0,000	2,180	0,000	50,630	3,300	2269,460	-2266,160
33+0,00	0,000	2,690	0,000	48,700	3,300	2318,160	-2314,860
34+0,00	0,000	2,450	0,000	51,380	3,300	2369,550	-2366,250
35+0,00	0,000	2,680	0,000	51,310	3,300	2420,850	-2417,550
36+0,00	0,000	2,910	0,000	55,920	3,300	2476,770	-2473,470
37+0,00	0,000	2,980	0,000	58,890	3,300	2535,660	-2532,360
38+0,00	0,000	2,950	0,000	59,290	3,300	2594,950	-2591,650
39+0,00	0,000	2,900	0,000	58,480	3,300	2653,420	-2650,120
40+0,00	0,000	2,930	0,000	58,290	3,300	2711,720	-2708,420
41+0,00	0,000	2,980	0,000	59,110	3,300	2770,820	-2767,520
42+0,00	0,000	2,930	0,000	59,030	3,300	2829,850	-2826,550
43+0,00	0,000	2,900	0,000	58,290	3,300	2888,140	-2884,840
44+0,00	0,000	2,910	0,000	58,160	3,300	2946,300	-2943,000
45+0,00	0,000	2,970	0,000	58,820	3,300	3005,120	-3001,820
46+0,00	0,000	3,390	0,000	63,540	3,300	3068,660	-3065,360
47+0,00	0,000	3,380	0,000	67,660	3,300	3136,320	-3133,020
48+0,00	0,000	2,970	0,000	63,520	3,300	3199,840	-3196,540
49+0,00	0,000	2,650	0,000	56,210	3,300	3256,040	-3252,740
50+0,00	0,000	3,020	0,000	56,680	3,300	3312,730	-3309,430
51+0,00	0,000	3,030	0,000	60,500	3,300	3373,220	-3369,920
52+0,00	0,000	4,050	0,000	70,850	3,300	3444,070	-3440,770
53+0,00	0,000	4,930	0,000	89,870	3,300	3533,950	-3530,650
54+0,00	0,000	5,250	0,000	101,850	3,300	3635,800	-3632,500

Osvaldo Leoncio da S...
Diretor da Unidade ... Projetos e ...
Secretaria ...

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
55+0,00	0,000	5,190	0,000	104,420	3,300	3740,220	-3736,920
56+0,00	0,000	3,890	0,000	90,790	3,300	3831,000	-3827,700
57+0,00	0,000	2,880	0,000	67,710	3,300	3898,710	-3895,410
58+0,00	0,000	2,820	0,000	57,030	3,300	3955,740	-3952,440
59+0,00	0,000	2,820	0,000	56,410	3,300	4012,150	-4008,850
60+0,00	0,000	2,590	0,000	54,130	3,300	4066,280	-4062,980
61+0,00	0,000	2,350	0,000	49,450	3,300	4115,730	-4112,430
62+0,00	0,000	2,320	0,000	46,760	3,300	4162,490	-4159,190
63+0,00	0,000	2,370	0,000	46,940	3,300	4209,430	-4206,130
64+0,00	0,000	2,520	0,000	48,900	3,300	4258,330	-4255,030
65+0,00	0,000	2,990	0,000	55,150	3,300	4313,480	-4310,180
66+0,00	0,000	2,910	0,000	59,060	3,300	4372,540	-4369,240
67+0,00	0,000	2,930	0,000	58,380	3,300	4430,920	-4427,620
68+0,00	0,000	3,800	0,000	67,240	3,300	4498,160	-4494,860
69+0,00	0,000	4,630	0,000	84,270	3,300	4582,430	-4579,130
70+0,00	0,000	5,100	0,000	97,280	3,300	4679,710	-4676,410
71+0,00	0,000	4,910	0,000	100,070	3,300	4779,780	-4776,480
72+0,00	0,000	4,590	0,000	95,000	3,300	4874,780	-4871,480
73+0,00	0,000	3,800	0,000	83,970	3,300	4958,750	-4955,450
74+0,00	0,000	3,120	0,000	69,320	3,300	5028,070	-5024,770
75+0,00	0,000	2,940	0,000	60,640	3,300	5088,710	-5085,410
76+0,00	0,000	3,120	0,000	60,630	3,300	5149,340	-5146,040
77+0,00	0,000	3,120	0,000	62,450	3,300	5211,790	-5208,490
78+0,00	0,000	2,980	0,000	61,000	3,300	5272,790	-5269,500
79+0,00	0,000	3,050	0,000	60,270	3,300	5333,060	-5329,760
80+0,00	0,000	3,090	0,000	61,370	3,300	5394,440	-5391,140
81+0,00	0,000	2,880	0,000	59,710	3,300	5454,150	-5450,850
82+0,00	0,000	3,100	0,000	59,810	3,300	5513,960	-5510,660
83+0,00	0,000	2,960	0,000	60,560	3,300	5574,520	-5571,220
84+0,00	0,000	2,830	0,000	57,950	3,300	5632,470	-5629,170
85+0,00	0,000	2,970	0,000	59,000	3,300	5691,470	-5688,170
86+0,00	0,000	2,940	0,000	59,100	3,300	5749,470	-5746,170
87+0,00	0,000	2,900	0,000	58,440	3,300	5807,910	-5804,610
88+0,00	0,000	2,990	0,000	58,870	3,300	5866,780	-5863,480
89+0,00	0,000	3,320	0,000	62,960	3,300	5929,740	-5926,440
90+0,00	0,000	3,840	0,000	71,510	3,300	6001,250	-5997,950
91+0,00	0,000	3,000	0,000	68,370	3,300	6069,620	-6066,320
92+0,00	0,000	2,930	0,000	59,340	3,300	6128,960	-6125,660
93+0,00	0,000	2,960	0,000	58,910	3,300	6187,870	-6184,570
94+0,00	0,000	3,120	0,000	60,850	3,300	6248,720	-6245,420
95+0,00	0,000	2,720	0,000	58,440	3,300	6307,160	-6303,860
96+0,00	0,000	3,070	0,000	57,960	3,300	6365,120	-6361,820
97+0,00	0,000	2,850	0,000	59,200	3,300	6424,320	-6421,020
98+0,00	0,000	2,890	0,000	57,360	3,300	6481,680	-6478,380
99+0,00	0,000	3,380	0,000	62,720	3,300	6544,400	-6541,100
100+0,00	0,000	3,180	0,000	65,610	3,300	6610,010	-6606,710
101+0,00	0,000	4,470	0,000	76,520	3,300	6686,530	-6683,230
102+0,00	0,000	4,240	0,000	87,120	3,300	6773,650	-6770,350
103+0,00	0,000	3,660	0,000	79,000	3,300	6852,650	-6849,350
104+0,00	0,000	2,810	0,000	64,750	3,300	6917,400	-6914,100
105+0,00	0,000	2,160	0,000	49,770	3,300	6967,170	-6963,870
106+0,00	0,000	1,450	0,000	36,090	3,300	7003,260	-6999,960
107+0,00	0,000	1,070	0,000	25,210	3,300	7028,470	-7025,170
108+0,00	0,000	0,260	0,820	13,390	4,120	7041,860	-7037,740
109+0,00	0,820	0,000	9,030	2,940	13,140	7044,800	-7031,660
110+0,00	1,050	0,000	18,730	0,000	31,870	7044,800	-7012,930
111+0,00	0,930	0,000	19,820	0,000	51,690	7044,800	-6993,110
112+0,00	1,260	0,000	21,880	0,000	73,570	7044,800	-6971,230
113+0,00	1,820	0,000	30,840	0,000	104,410	7044,800	-6940,390
114+0,00	1,020	0,000	28,490	0,000	132,900	7044,800	-6911,900
115+0,00	0,040	0,380	10,650	3,500	143,550	7048,080	-6904,530
116+0,00	0,000	1,110	0,410	14,670	143,960	7062,750	-6918,790
117+0,00	0,000	1,930	0,000	30,430	143,960	7093,180	-6949,220
118+0,00	0,000	3,100	0,000	50,280	143,960	7143,550	-6999,590

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria de Infraestrutura

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
119+0,00	0,000	3,780	0,000	66,830	143,960	7212,380	-7068,420
120+0,00	0,000	3,300	0,000	70,830	143,960	7283,210	-7139,250
121+0,00	0,000	3,170	0,000	64,750	143,960	7347,960	-7204,000
122+0,00	0,000	2,980	0,000	61,550	143,960	7409,510	-7265,550
123+0,00	0,000	3,060	0,000	60,410	143,960	7469,920	-7325,960
124+0,00	0,000	2,980	0,000	60,370	143,960	7530,300	-7386,340
125+0,00	0,000	3,720	0,000	67,030	143,960	7597,330	-7453,370
126+0,00	0,000	3,620	0,000	73,460	143,960	7670,790	-7526,830
127+0,00	0,000	3,110	0,000	67,350	143,960	7738,140	-7594,180
128+0,00	0,000	2,940	0,000	60,530	143,960	7798,670	-7654,710
129+0,00	0,000	3,040	0,000	59,750	143,960	7858,420	-7714,460
130+0,00	0,000	2,900	0,000	59,620	143,960	7918,040	-7774,080
131+0,00	0,000	2,850	0,000	57,810	143,960	7975,850	-7831,890
132+0,00	0,000	2,370	0,000	52,260	143,960	8028,110	-7884,150
133+0,00	0,000	1,900	0,000	42,710	143,960	8070,820	-7926,860
134+0,00	0,000	3,000	0,000	48,970	143,960	8119,790	-7975,830
135+0,00	0,000	3,150	0,000	61,450	143,960	8181,230	-8037,270
136+0,00	0,000	2,930	0,000	60,830	143,960	8242,060	-8098,100
137+0,00	0,000	2,930	0,000	58,679	143,960	8300,740	-8156,780
138+0,00	0,000	2,950	0,000	58,820	143,960	8359,560	-8215,600
139+0,00	0,000	3,110	0,000	60,600	143,960	8420,160	-8276,200
140+0,00	0,000	2,950	0,000	60,620	143,960	8480,800	-8336,840
141+0,00	0,000	2,850	0,000	57,990	143,960	8538,790	-8394,830
142+0,00	0,000	2,850	0,000	57,090	143,960	8595,880	-8451,920
143+0,00	0,000	3,340	0,000	62,020	143,960	8657,900	-8513,940
144+0,00	0,000	4,000	0,000	73,420	143,960	8731,330	-8587,370
145+0,00	0,000	3,060	0,000	70,620	143,960	8801,950	-8657,990
146+0,00	0,000	2,880	0,000	59,400	143,960	8861,340	-8717,380
147+0,00	0,000	2,780	0,000	56,570	143,960	8917,920	-8773,960
148+0,00	0,000	2,840	0,000	56,230	143,960	8974,140	-8830,180
149+0,00	0,000	3,040	0,000	58,870	143,960	9033,020	-8889,060
150+0,00	0,000	3,000	0,000	60,410	143,960	9093,430	-8949,470
151+0,00	0,000	2,940	0,000	59,350	143,960	9152,840	-9008,880
152+0,00	0,000	2,860	0,000	57,930	143,960	9210,770	-9066,810
153+0,00	0,000	2,790	0,000	56,370	143,960	9267,150	-9123,190
154+0,00	0,000	3,140	0,000	59,230	143,960	9326,370	-9182,410
155+0,00	0,000	2,950	0,000	60,900	143,960	9387,260	-9243,300
156+0,00	0,000	2,960	0,000	59,050	143,960	9446,310	-9302,350
157+0,00	0,000	2,720	0,000	56,790	143,960	9503,100	-9359,140
158+0,00	0,000	2,470	0,000	51,920	143,960	9555,020	-9411,060
159+0,00	0,000	2,810	0,000	52,800	143,960	9607,810	-9463,850
160+0,00	0,000	2,910	0,000	57,410	143,960	9665,220	-9521,260
161+0,00	0,000	2,630	0,000	55,370	143,960	9720,590	-9576,630
162+0,00	0,000	2,600	0,000	52,580	143,960	9773,170	-9629,210
163+0,00	0,000	2,670	0,000	52,920	143,960	9826,100	-9682,140
164+0,00	0,000	3,060	0,000	57,320	143,960	9883,510	-9739,550
165+0,00	0,000	3,750	0,000	68,230	143,960	9951,730	-9807,770
166+0,00	0,000	3,920	0,000	77,000	143,960	10028,730	-9884,770
167+0,00	0,000	2,780	0,000	67,000	143,960	10095,830	-9951,870
168+0,00	0,000	3,000	0,000	57,800	143,960	10153,630	-10009,670
169+0,00	0,000	2,920	0,000	59,250	143,960	10212,880	-10068,920
170+0,00	0,000	3,110	0,000	60,320	143,960	10273,200	-10129,240
171+0,00	0,000	3,000	0,000	61,330	143,960	10334,530	-10190,570
172+0,00	0,000	3,000	0,000	60,820	143,960	10395,350	-10251,390
173+0,00	0,000	2,920	0,000	59,920	143,960	10455,270	-10311,310
174+0,00	0,000	2,950	0,000	58,870	143,960	10514,140	-10370,180
175+0,00	0,000	2,740	0,000	56,940	143,960	10571,080	-10427,120
176+0,00	0,000	3,000	0,000	57,410	143,960	10628,490	-10484,530
177+0,00	0,000	3,140	0,000	61,370	143,960	10689,860	-10545,900
178+0,00	0,000	2,900	0,000	60,400	143,960	10750,260	-10606,300
179+0,00	0,000	2,800	0,000	57,000	143,960	10807,260	-10663,300
180+0,00	0,000	2,900	0,000	57,010	143,960	10864,270	-10720,310
181+0,00	0,000	2,900	0,000	57,979	143,960	10922,249	-10778,289
182+0,00	0,000	2,930	0,000	58,270	143,960	10980,519	-10836,559

Osvaldo Leão[illegible] da Silva
Diretor da [illegible]
Projetos [illegible]
Secretaria [illegible]

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
183+0,00	0,000	2,800	0,000	57,330	143,960	11025,710	-10881,750
184+0,00	0,000	2,450	0,000	52,570	143,960	11078,280	-10934,320
185+0,00	0,000	2,080	0,000	45,330	143,960	11123,610	-10979,650
186+0,00	0,000	1,940	0,000	40,170	143,960	11163,780	-11019,820
187+0,00	0,000	2,770	0,000	47,100	143,960	11210,880	-11066,920
188+0,00	0,000	2,700	0,000	54,730	143,960	11265,620	-11121,660
189+0,00	0,000	3,020	0,000	57,260	143,960	11322,870	-11178,910
190+0,00	0,000	3,950	0,000	69,720	143,960	11392,590	-11248,630
191+0,00	0,000	4,560	0,000	85,060	143,960	11477,650	-11333,690
192+0,00	0,000	4,670	0,000	92,230	143,960	11569,910	-11425,950
193+0,00	0,000	3,300	0,000	79,900	143,960	11649,840	-11505,880
194+0,00	0,000	2,850	0,000	61,500	143,960	11711,360	-11567,400
195+0,00	0,000	2,690	0,000	55,400	143,960	11767,050	-11623,090
196+0,00	0,000	2,870	0,000	55,560	143,960	11822,620	-11678,660
197+0,00	0,000	2,940	0,000	58,080	143,960	11880,700	-11736,740
198+0,00	0,000	2,920	0,000	58,650	143,960	11939,350	-11795,390
199+0,00	0,000	2,750	0,000	56,700	143,960	11996,060	-11852,120
200+0,00	0,000	2,070	0,000	48,160	143,960	12044,240	-11900,280
201+0,00	0,000	2,790	0,000	48,640	143,960	12092,880	-11948,920
202+0,00	0,000	2,810	0,000	56,010	143,960	12148,890	-12004,930
203+0,00	0,000	2,800	0,000	57,000	143,960	12205,890	-12061,930
204+0,00	0,000	2,850	0,000	57,080	143,960	12262,970	-12119,010
205+0,00	0,000	2,890	0,000	57,350	143,960	12320,320	-12176,360
206+0,00	0,000	2,880	0,000	57,710	143,960	12378,030	-12234,070
207+0,00	0,000	2,840	0,000	57,190	143,960	12435,510	-12291,550
208+0,00	0,000	2,920	0,000	57,630	143,960	12493,140	-12349,180
209+0,00	0,000	2,930	0,000	58,500	143,960	12551,640	-12407,680
210+0,00	0,000	3,030	0,000	59,630	143,960	12611,270	-12467,310
211+0,00	0,000	2,930	0,000	59,540	143,960	12670,810	-12526,850
212+0,00	0,000	3,160	0,000	60,900	143,960	12731,710	-12587,750
213+0,00	0,000	3,010	0,000	61,700	143,960	12793,410	-12649,450
214+0,00	0,000	2,930	0,000	59,400	143,960	12852,810	-12708,850
215+0,00	0,000	2,850	0,000	57,800	143,960	12910,610	-12766,650
216+0,00	0,000	2,760	0,000	56,100	143,960	12966,710	-12822,750
217+0,00	0,000	2,720	0,000	54,800	143,960	13021,510	-12877,550
218+0,00	0,000	2,330	0,000	50,500	143,960	13072,010	-12928,050
219+0,00	0,000	2,570	0,000	49,000	143,960	13121,010	-12977,050
220+0,00	0,000	2,900	0,000	54,700	143,960	13175,710	-13031,750
221+0,00	0,000	3,360	0,000	62,600	143,960	13238,310	-13094,350
222+0,00	0,000	3,310	0,000	66,700	143,960	13305,010	-13161,050
223+0,00	0,000	2,910	0,000	62,200	143,960	13367,210	-13223,250
224+0,00	0,000	2,910	0,000	58,200	143,960	13425,410	-13281,450
225+0,00	0,000	2,850	0,000	57,600	143,960	13483,010	-13339,050
226+0,00	0,000	2,970	0,000	58,200	143,960	13541,210	-13397,250
227+0,00	0,000	3,190	0,000	61,600	143,960	13602,810	-13458,850
228+0,00	0,000	3,420	0,000	66,100	143,960	13668,910	-13524,950
229+0,00	0,000	2,750	0,000	61,700	143,960	13730,610	-13586,650
230+0,00	0,000	3,130	0,000	58,800	143,960	13789,410	-13645,450
231+0,00	0,000	3,240	0,000	63,700	143,960	13853,110	-13709,150
232+0,00	0,000	3,270	0,000	65,100	143,960	13918,210	-13774,250
233+0,00	0,000	2,860	0,000	61,300	143,960	13979,510	-13835,550
234+0,00	0,000	2,700	0,000	55,600	143,960	14035,110	-13891,150
235+0,00	0,000	2,940	0,000	56,400	143,960	14091,510	-13947,550
236+0,00	0,000	2,820	0,000	57,600	143,960	14149,110	-14005,150
237+0,00	0,000	1,910	0,000	47,300	143,960	14196,410	-14052,450
238+0,00	0,010	0,870	0,070	27,800	144,030	14224,210	-14080,180
239+0,00	0,000	1,160	0,070	20,300	144,100	14244,510	-14100,410
240+0,00	0,000	2,390	0,000	35,500	144,100	14280,010	-14135,910
241+0,00	0,000	3,140	0,000	55,300	144,100	14335,310	-14191,210
242+0,00	0,000	3,270	0,000	64,100	144,100	14399,410	-14255,310
243+0,00	0,000	3,010	0,000	62,800	144,100	14462,210	-14318,110
244+0,00	0,000	3,000	0,000	60,100	144,100	14522,310	-14378,210
245+0,00	0,000	2,980	0,000	59,800	144,100	14582,110	-14438,010
246+0,00	0,000	3,040	0,000	60,200	144,100	14642,310	-14498,210

Osvaldo Leônicio da Silva
Diretor da Unidade de Programas
Projetos e Obras - UGPPO
Secretaria de Obras Públicas

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
247+0,00	0,000	3,130	0,000	61,710	144,110	14706,960	-14558,850
248+0,00	0,000	2,730	0,000	58,540	144,110	14761,500	-14617,390
249+0,00	0,000	2,520	0,000	52,490	144,110	14813,990	-14669,880
250+0,00	0,000	2,430	0,000	49,560	144,110	14863,540	-14719,430
251+0,00	0,000	2,770	0,000	52,130	144,110	14915,670	-14771,560
252+0,00	0,000	3,030	0,000	58,110	144,110	14973,780	-14829,670
253+0,00	0,000	3,340	0,000	63,700	144,110	15037,560	-14893,450
254+0,00	0,000	3,630	0,000	69,780	144,110	15107,350	-14963,240
255+0,00	0,000	3,900	0,000	75,340	144,110	15182,680	-15038,570
256+0,00	0,000	3,010	0,000	69,300	144,110	15251,940	-15107,830
257+0,00	0,000	2,730	0,000	57,350	144,110	15309,290	-15165,180
258+0,00	0,000	3,100	0,000	58,330	144,110	15368,620	-15224,510
259+0,00	0,000	3,430	0,000	65,300	144,110	15434,000	-15289,890
260+0,00	0,000	3,510	0,000	69,400	144,110	15503,400	-15359,290
261+0,00	0,000	3,380	0,000	68,900	144,110	15572,420	-15428,310
262+0,00	0,000	3,140	0,000	65,240	144,110	15637,660	-15493,550
263+0,00	0,000	2,920	0,000	60,650	144,110	15698,310	-15554,200
264+0,00	0,000	2,590	0,000	55,100	144,110	15753,410	-15609,300
265+0,00	0,000	2,730	0,000	53,200	144,110	15807,200	-15663,090
266+0,00	0,000	2,940	0,000	57,100	144,110	15864,300	-15720,190
267+0,00	0,000	2,900	0,000	58,400	144,110	15922,640	-15778,530
268+0,00	0,000	2,950	0,000	58,500	144,110	15981,140	-15837,030
269+0,00	0,000	2,900	0,000	58,400	144,110	16039,970	-15895,860
270+0,00	0,000	2,970	0,000	58,540	144,110	16098,510	-15954,400
271+0,00	0,000	2,900	0,000	58,700	144,110	16157,260	-16013,150
272+0,00	0,000	2,950	0,000	58,500	144,110	16215,940	-16071,830
273+0,00	0,000	3,100	0,000	60,500	144,110	16276,720	-16132,610
274+0,00	0,000	2,910	0,000	60,100	144,110	16337,060	-16192,950
275+0,00	0,000	3,750	0,000	66,600	144,110	16514,660	-16370,550
276+0,00	0,000	3,850	0,000	76,000	144,110	16430,660	-16286,550
277+0,00	0,000	3,440	0,000	72,900	144,110	16859,460	-16715,350
278+0,00	0,000	3,220	0,000	67,040	144,110	16926,700	-16782,590
279+0,00	0,000	3,270	0,000	65,700	144,110	16992,500	-16848,390
280+0,00	0,000	2,960	0,000	62,300	144,110	17054,800	-16910,690
281+0,00	0,000	2,890	0,000	58,500	144,110	17113,300	-16969,190
282+0,00	0,000	2,880	0,000	57,700	144,110	17171,000	-17026,890
283+0,00	0,000	3,000	0,000	58,800	144,110	17229,800	-17085,690
284+0,00	0,000	3,020	0,000	60,200	144,110	17290,000	-17145,890
285+0,00	0,000	2,910	0,000	59,300	144,110	17349,300	-17205,190
286+0,00	0,000	2,490	0,000	54,000	144,110	17403,300	-17259,190
287+0,00	0,000	3,730	0,000	62,200	144,110	17465,500	-17321,390
288+0,00	0,000	4,130	0,000	78,600	144,110	17544,100	-17399,990
289+0,00	0,000	3,810	0,000	79,400	144,110	17623,500	-17479,390
290+0,00	0,000	2,940	0,000	67,500	144,110	17691,000	-17546,890
291+0,00	0,000	3,120	0,000	60,600	144,110	17751,600	-17607,490
292+0,00	0,000	3,060	0,000	61,800	144,110	17813,400	-17669,290
293+0,00	0,000	2,810	0,000	58,700	144,110	17872,100	-17727,990
294+0,00	0,000	2,920	0,000	57,300	144,110	17929,400	-17785,290
295+0,00	0,000	2,930	0,000	58,500	144,110	17987,900	-17843,790
296+0,00	0,000	2,670	0,000	56,000	144,110	18043,900	-17899,790
297+0,00	0,000	1,990	0,000	47,000	144,110	18090,900	-17946,790
298+0,00	0,040	0,150	0,270	20,400	144,380	18111,300	-17966,920
299+0,00	0,000	0,000	6,900	3,000	151,280	18114,300	-17963,020
300+0,00	0,410	0,000	10,200	3,000	161,480	18117,300	-17955,820
301+0,00	0,370	0,000	7,740	0,000	169,220	18117,300	-17948,080
302+0,00	0,000	2,300	3,650	23,000	172,870	18140,300	-17967,430
303+0,00	0,000	2,510	0,000	48,100	172,870	18188,400	-18015,530
304+0,00	0,000	2,400	0,000	49,100	172,870	18237,500	-18064,630
305+0,00	0,000	2,200	0,000	46,000	172,870	18283,500	-18110,630
306+0,00	0,000	2,000	0,000	42,000	172,870	18325,500	-18152,630
307+0,00	0,000	3,000	0,000	50,000	172,870	18375,500	-18202,630
308+0,00	0,000	2,000	0,000	50,000	172,870	18425,500	-18252,630
309+0,00	0,000	3,000	0,000	50,000	172,870	18475,500	-18302,630
310+0,00	0,000	3,000	0,000	60,000	172,870	18535,500	-18362,630

Osvaldo Ledesma da Silva Júnior
Diretor da Unidade de Projetos
Projetos e Obras - DAER
Secretaria de Infraestrutura

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
311+0,00	0,000	3,060	0,000	56,730	172,650	18340,580	-18167,930
312+0,00	0,000	2,760	0,000	52,400	172,650	18392,980	-18220,330
313+0,00	0,000	1,300	0,000	40,520	172,650	18433,500	-18260,850
314+0,00	0,000	2,310	0,000	41,870	172,650	18475,370	-18302,720
315+0,00	0,000	2,620	0,000	49,390	172,650	18524,760	-18352,110
316+0,00	0,000	2,700	0,000	53,570	172,650	18578,330	-18405,680
317+0,00	0,000	2,550	0,000	52,530	172,650	18630,860	-18458,210
318+0,00	0,000	2,860	0,000	54,110	172,650	18684,970	-18512,320
319+0,00	0,000	2,860	0,000	57,240	172,650	18743,150	-18570,500
320+0,00	0,000	2,430	0,000	52,830	172,650	18795,980	-18623,330
321+0,00	0,000	3,010	0,000	54,330	172,650	18850,370	-18677,720
322+0,00	0,000	2,960	0,000	59,660	172,650	18910,030	-18737,380
323+0,00	0,000	3,050	0,000	59,640	172,650	18969,670	-18797,020
324+0,00	0,000	2,920	0,000	59,450	172,650	19029,120	-18856,470
325+0,00	0,000	2,870	0,000	57,870	172,650	19086,990	-18914,340
326+0,00	0,000	3,120	0,000	59,900	172,650	19147,070	-18974,420
327+0,00	0,000	2,720	0,000	58,390	172,650	19205,460	-19032,810
328+0,00	0,000	2,870	0,000	56,140	172,650	19261,600	-19088,950
329+0,00	0,000	3,060	0,000	59,640	172,650	19321,240	-19148,590
330+0,00	0,000	4,800	0,000	78,660	172,650	19399,900	-19227,250
331+0,00	0,000	4,720	0,000	95,200	172,650	19495,100	-19322,450
332+0,00	0,000	3,210	0,000	79,300	172,650	19574,400	-19401,750
333+0,00	0,000	3,030	0,000	62,400	172,650	19636,800	-19464,150
334+0,00	0,000	2,810	0,000	58,400	172,650	19695,200	-19522,550
335+0,00	0,000	3,020	0,000	58,300	172,650	19753,500	-19580,850
336+0,00	0,000	2,760	0,000	57,800	172,650	19811,300	-19638,650
337+0,00	0,000	2,540	0,000	52,940	172,650	19864,240	-19691,590
338+0,00	0,000	2,480	0,000	50,200	172,650	19914,440	-19741,790
339+0,00	0,000	2,660	0,000	51,400	172,650	19965,840	-19793,190
340+0,00	0,000	3,000	0,000	56,600	172,650	20022,440	-19849,790
341+0,00	0,000	4,020	0,000	84,200	172,650	20106,640	-19933,990
342+0,00	0,000	5,070	0,000	103,300	172,650	20209,940	-20037,290
343+0,00	0,000	4,160	0,000	91,400	172,650	20301,340	-20128,690
344+0,00	0,000	3,140	0,000	73,000	172,650	20374,340	-20201,690
345+0,00	0,000	2,940	0,000	60,800	172,650	20435,140	-20262,490
346+0,00	0,000	3,010	0,000	59,500	172,650	20494,640	-20321,990
347+0,00	0,000	3,130	0,000	61,400	172,650	20556,040	-20383,390
348+0,00	0,000	2,900	0,000	60,300	172,650	20616,340	-20443,690
349+0,00	0,000	2,900	0,000	58,000	172,650	20674,340	-20501,690
350+0,00	0,000	2,900	0,000	58,000	172,650	20732,340	-20559,690
351+0,00	0,000	2,900	0,000	58,000	172,650	20790,340	-20617,690
352+0,00	0,000	2,900	0,000	58,000	172,650	20848,340	-20675,690
353+0,00	0,000	2,100	0,000	41,000	172,650	20889,340	-20716,690
354+0,00	0,000	1,600	0,000	35,000	172,650	20924,340	-20751,690
355+0,00	0,000	1,910	0,000	35,100	172,650	20959,440	-20786,790
356+0,00	0,000	2,970	0,000	48,800	172,650	21008,240	-20835,590
357+0,00	0,000	2,900	0,000	58,700	172,650	21066,940	-20894,290
358+0,00	0,000	2,900	0,000	58,000	172,650	21124,940	-20952,290
359+0,00	0,000	2,900	0,000	58,000	172,650	21182,940	-21010,290
360+0,00	0,000	2,900	0,000	57,800	172,650	21240,740	-21068,090
361+0,00	0,000	2,900	0,000	58,000	172,650	21298,740	-21126,090
362+0,00	0,000	3,050	0,000	59,500	172,650	21358,240	-21185,590
363+0,00	0,000	2,800	0,000	58,500	172,650	21416,740	-21244,090
364+0,00	0,000	2,970	0,000	57,700	172,650	21474,440	-21301,790
365+0,00	0,000	3,100	0,000	60,700	172,650	21535,140	-21362,490
366+0,00	0,000	3,100	0,000	62,000	172,650	21597,140	-21424,490
367+0,00	0,000	2,900	0,000	60,000	172,650	21657,140	-21484,490
368+0,00	0,000	2,900	0,000	58,000	172,650	21715,140	-21542,490
369+0,00	0,000	2,900	0,000	58,000	172,650	21773,140	-21600,490
370+0,00	0,000	2,900	0,000	58,000	172,650	21831,140	-21658,490
371+0,00	0,000	2,900	0,000	58,000	172,650	21889,140	-21716,490
372+0,00	0,000	2,900	0,000	58,000	172,650	21947,140	-21774,490
373+0,00	0,000	2,900	0,000	58,000	172,650	22005,140	-21832,490
374+0,00	0,000	2,900	0,000	58,000	172,650	22063,140	-21890,490

Osvaldo Leoncio da Silva
Diretor da Unidade de Projetos
Projetos & Obras - DER/PR
Secretaria dos Transportes

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
375+0,00	0,000	2,830	0,000	56,980	172,650	22821,760	-22649,050
376+0,00	0,000	2,930	0,000	57,600	172,650	22879,260	-22606,630
377+0,00	0,000	2,900	0,000	58,230	172,650	22937,560	-22864,910
378+0,00	0,000	3,110	0,000	60,060	172,650	22997,620	-22824,970
379+0,00	0,000	2,900	0,000	59,010	172,650	23056,630	-22883,980
380+0,00	0,000	2,960	0,000	57,450	172,650	23114,080	-22941,440
381+0,00	0,000	3,010	0,000	59,650	172,650	23173,740	-23001,090
382+0,00	0,000	3,020	0,000	60,250	172,650	23233,980	-23061,330
383+0,00	0,000	2,910	0,000	59,280	172,650	23293,260	-23120,610
384+0,00	0,000	3,150	0,000	60,630	172,650	23353,890	-23181,240
385+0,00	0,000	3,630	0,000	68,170	172,650	23422,060	-23249,410
386+0,00	0,000	3,760	0,000	74,110	172,650	23496,170	-23323,520
387+0,00	0,000	3,080	0,000	68,540	172,650	23564,710	-23392,060
388+0,00	0,000	2,670	0,000	57,480	172,650	23622,190	-23449,540
389+0,00	0,000	2,620	0,000	52,970	172,650	23675,160	-23502,510
390+0,00	0,000	2,670	0,000	54,380	172,650	23729,540	-23556,890
391+0,00	0,000	2,450	0,000	53,100	172,650	23782,640	-23609,990
392+0,00	0,000	2,330	0,000	51,210	172,650	23833,850	-23661,200
393+0,00	0,000	2,910	0,000	55,630	172,650	23889,480	-23716,830
394+0,00	0,000	2,940	0,000	58,500	172,650	23947,980	-23775,330
395+0,00	0,000	2,910	0,000	58,500	172,650	24006,480	-23833,830
396+0,00	0,000	2,940	0,000	58,450	172,650	24064,930	-23892,280
397+0,00	0,000	2,360	0,000	53,010	172,650	24117,940	-23945,290
398+0,00	0,000	2,650	0,000	50,100	172,650	24168,040	-23995,390
399+0,00	0,000	2,880	0,000	55,300	172,650	24223,340	-24050,690
400+0,00	0,000	2,960	0,000	58,400	172,650	24281,740	-24109,090
401+0,00	0,000	2,820	0,000	57,800	172,650	24339,540	-24166,890
402+0,00	0,000	1,080	0,000	39,000	172,650	24378,540	-24205,890
403+0,00	0,000	2,360	0,000	34,400	172,650	24412,940	-24240,290
404+0,00	0,000	2,080	0,000	44,400	172,650	24457,340	-24284,690
405+0,00	0,000	2,970	0,000	50,500	172,650	24507,840	-24335,190
406+0,00	0,000	2,650	0,000	56,200	172,650	24564,040	-24391,390
407+0,00	0,000	2,610	0,000	52,600	172,650	24616,640	-24443,990
408+0,00	0,000	2,280	0,000	48,900	172,650	24665,540	-24492,890
409+0,00	0,000	3,180	0,000	54,600	172,650	24720,140	-24547,490
410+0,00	0,000	2,770	0,000	59,500	172,650	24779,640	-24606,990
411+0,00	0,000	3,010	0,000	57,800	172,650	24837,440	-24664,790
412+0,00	0,000	2,770	0,000	57,800	172,650	24895,240	-24722,590
413+0,00	0,000	2,710	0,000	54,800	172,650	24950,040	-24777,390
414+0,00	0,000	2,930	0,000	56,400	172,650	25006,440	-24833,790
415+0,00	0,000	2,870	0,000	58,000	172,650	25064,440	-24891,790
416+0,00	0,000	2,930	0,000	58,000	172,650	25122,440	-24949,790
417+0,00	0,000	2,790	0,000	57,200	172,650	25179,640	-25006,990
418+0,00	0,000	3,000	0,000	57,900	172,650	25237,540	-25064,890
419+0,00	0,000	2,900	0,000	59,000	172,650	25296,540	-25123,890
420+0,00	0,000	3,050	0,000	59,500	172,650	25356,040	-25183,390
421+0,00	0,000	2,810	0,000	58,600	172,650	25414,640	-25241,990
422+0,00	0,000	3,050	0,000	58,600	172,650	25473,240	-25300,590
423+0,00	0,000	2,760	0,000	58,100	172,650	25531,340	-25358,690
424+0,00	0,000	2,720	0,000	54,800	172,650	25586,140	-25413,490
425+0,00	0,000	2,720	0,000	54,400	172,650	25640,540	-25467,890
426+0,00	0,000	2,940	0,000	56,600	172,650	25697,140	-25524,490
427+0,00	0,000	2,890	0,000	58,300	172,650	25755,440	-25582,790
428+0,00	0,000	2,890	0,000	57,800	172,650	25813,240	-25640,590
429+0,00	0,000	2,530	0,000	54,200	172,650	25867,440	-25694,790
430+0,00	0,000	2,970	0,000	55,000	172,650	25922,440	-25749,790
431+0,00	0,000	2,790	0,000	57,600	172,650	25980,040	-25807,390
432+0,00	0,000	2,620	0,000	54,100	172,650	26034,140	-25861,490
433+0,00	0,000	3,070	0,000	56,900	172,650	26091,040	-25918,390
434+0,00	0,000	2,760	0,000	58,300	172,650	26149,340	-25976,690
435+0,00	0,000	3,010	0,000	57,700	172,650	26207,040	-26034,390
436+0,00	0,000	2,980	0,000	59,900	172,650	26266,940	-26094,290
437+0,00	0,000	2,970	0,000	59,500	172,650	26326,440	-26153,790
438+0,00	0,000	0,000	0,000	29,700	172,650	26356,140	-26183,490

Osvaldo Leôncio da Silva Neto
Diretor da Unidade de Projetos
Projetos e Obras - DAER/RS
Secretaria dos Transportes

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
439+0,00	0,000	3,[illegible]	0,000	[illegible]	172,650	[illegible]	-25624,200
440+0,00	0,000	3,060	0,000	62,[illegible]	172,650	[illegible]	-25686,360
441+0,00	0,000	2,680	0,000	57,690	172,650	[illegible]	-25743,950
442+0,00	0,000	3,080	0,000	57,690	172,650	[illegible]	-25801,750
443+0,00	0,000	3,080	0,000	[illegible]	172,650	[illegible]	-25762,680
444+0,00	0,000	2,530	0,000	59,350	172,650	[illegible]	-25822,040
445+0,00	0,000	2,890	0,000	58,250	172,650	[illegible]	-25880,280
446+0,00	0,000	3,910	0,000	68,080	172,650	[illegible]	-25948,360
447+0,00	0,000	4,750	0,000	86,610	172,650	[illegible]	-[illegible]
448+0,00	0,000	3,[illegible]	0,000	[illegible]	172,650	[illegible]	-[illegible]
449+0,00	0,000	3,[illegible]	0,000	[illegible]	172,650	[illegible]	-26162,170
450+0,00	0,000	4,[illegible]	0,000	74,840	172,650	[illegible]	-26236,510
451+0,00	0,000	5,300	0,000	97,[illegible]	172,650	[illegible]	-26334,160
452+0,00	0,000	4,590	0,000	102,[illegible]	172,650	[illegible]	-26436,970
453+0,00	0,000	4,[illegible]	0,000	90,[illegible]	172,650	[illegible]	-26546,750
454+0,00	0,000	4,050	0,000	81,[illegible]	172,650	[illegible]	-26628,690
455+0,00	0,000	4,200	0,000	83,[illegible]	172,650	[illegible]	-26711,990
456+0,00	0,000	3,[illegible]	0,000	81,[illegible]	172,650	[illegible]	-26793,660
457+0,00	0,000	3,110	0,000	69,810	172,650	[illegible]	-26863,470
458+0,00	0,000	2,[illegible]	0,000	[illegible]	172,650	[illegible]	-26932,970
459+0,00	0,000	2,800	0,000	56,280	172,650	[illegible]	-26989,250
460+0,00	0,000	3,[illegible]	0,000	[illegible]	172,650	[illegible]	-27048,360
461+0,00	0,000	2,840	0,000	58,[illegible]	172,650	[illegible]	-27106,940
462+0,00	0,000	2,[illegible]	0,000	56,[illegible]	172,650	[illegible]	-27163,570
463+0,00	0,000	3,[illegible]	0,000	59,[illegible]	172,650	[illegible]	-27223,130
464+0,00	0,000	3,[illegible]	0,000	[illegible]	172,650	[illegible]	-27289,710
465+0,00	0,000	3,[illegible]	0,000	[illegible]	172,650	[illegible]	-27360,210
466+0,00	0,000	3,[illegible]	0,000	[illegible]	172,650	[illegible]	-27432,030
467+0,00	0,000	3,[illegible]	0,000	[illegible]	172,650	[illegible]	-27504,690
468+0,00	0,000	4,[illegible]	0,000	[illegible]	172,650	[illegible]	-27582,720
469+0,00	0,000	5,[illegible]	0,000	[illegible]	172,650	[illegible]	-27685,200
470+0,00	0,000	6,[illegible]	0,000	[illegible]	172,650	[illegible]	-27792,200
471+0,00	0,000	7,[illegible]	0,000	[illegible]	172,650	[illegible]	-27920,990
472+0,00	0,000	7,[illegible]	0,000	[illegible]	172,650	[illegible]	-28059,640
473+0,00	0,000	6,[illegible]	0,000	[illegible]	172,650	[illegible]	-28203,540
474+0,00	0,000	4,[illegible]	0,000	[illegible]	172,650	[illegible]	-28306,930
475+0,00	0,000	2,[illegible]	0,000	[illegible]	172,650	[illegible]	-28367,430
476+0,00	0,000	1,[illegible]	0,000	[illegible]	172,650	[illegible]	-28411,170
477+0,00	0,000	0,[illegible]	0,000	[illegible]	172,650	[illegible]	-28437,930
478+0,00	0,000	0,[illegible]	0,000	[illegible]	172,650	[illegible]	-28464,010
479+0,00	0,000	1,[illegible]	0,000	[illegible]	172,650	[illegible]	-28506,690
480+0,00	0,000	2,[illegible]	0,000	[illegible]	172,650	[illegible]	-28567,010
481+0,00	0,000	2,[illegible]	0,000	[illegible]	172,650	[illegible]	-28617,000
482+0,00	0,000	2,[illegible]	0,000	[illegible]	172,650	[illegible]	-28672,340
483+0,00	0,000	3,[illegible]	0,000	[illegible]	172,650	[illegible]	-28730,360
484+0,00	0,000	3,[illegible]	0,000	[illegible]	172,650	[illegible]	-28790,030
485+0,00	0,000	4,[illegible]	0,000	[illegible]	172,650	[illegible]	-28862,860
486+0,00	0,000	3,[illegible]	0,000	[illegible]	172,650	[illegible]	-28924,020
487+0,00	0,000	2,[illegible]	0,000	[illegible]	172,650	[illegible]	-28971,500
488+0,00	0,000	3,[illegible]	0,000	[illegible]	172,650	[illegible]	-29033,200
489+0,00	0,000	2,[illegible]	0,000	[illegible]	172,650	[illegible]	-29093,900
490+0,00	0,000	3,[illegible]	0,000	[illegible]	172,650	[illegible]	-29210,300
491+0,00	0,000	3,[illegible]	0,000	[illegible]	172,650	[illegible]	-29370,000
492+0,00	0,000	2,[illegible]	0,000	[illegible]	172,650	[illegible]	-29510,330
493+0,00	0,000	2,[illegible]	0,000	[illegible]	172,650	[illegible]	-29596,570
494+0,00	0,000	1,[illegible]	0,000	[illegible]	172,650	[illegible]	-29649,930
495+0,00	0,000	1,[illegible]	0,000	[illegible]	172,650	[illegible]	-29680,210
496+0,00	0,000	2,[illegible]	0,000	[illegible]	172,650	[illegible]	-29728,000
497+0,00	0,000	2,[illegible]	0,000	[illegible]	172,650	[illegible]	-29781,730
498+0,00	0,000	2,[illegible]	0,000	[illegible]	172,650	[illegible]	-29836,190
499+0,00	0,000	2,[illegible]	0,000	[illegible]	172,650	[illegible]	-29889,920
500+0,00	0,000	2,[illegible]	0,000	[illegible]	172,650	[illegible]	-29944,000
501+0,00	0,000	2,[illegible]	0,000	[illegible]	172,650	[illegible]	-29998,800
502+0,00	0,000	2,[illegible]	0,000	[illegible]	172,650	[illegible]	-30053,180

Osvaldo Leonardo da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPRO
Secretaria dos Cidades (Sucid)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
503+0,00	0,000	2,770	0,000	58,070	172,650	30045,.0	-29872,450
504+0,00	0,000	2,880	0,000	56,240	172,650	30101,69	-29828,980
505+0,00	0,000	2,890	0,000	57,710	172,650	30159,370	-29986,720
506+0,00	0,000	2,950	0,000	58,480	172,650	302[illegible],850	-30045,190
507+0,00	0,000	2,880	0,000	58,[illegible]0	172,650	30276,200	-30103,550
508+0,00	0,000	2,720	0,000	56,010	172,650	30332,210	-30159,560
509+0,00	0,000	2,930	0,000	56,500	172,650	30388,710	-30216,060
510+0,00	0,000	2,870	0,000	58,[illegible]0	172,650	30447,570	-30274,920
511+0,00	0,000	2,870	0,000	57,[illegible]0	172,650	30504,670	-30332,020
512+0,00	0,000	2,920	0,000	57,870	172,650	30562,540	-30389,890
513+0,00	0,000	2,920	0,000	58,[illegible]0	172,650	30621,220	-30448,570
514+0,00	0,000	2,890	0,000	58,100	172,650	30679,320	-30506,670
515+0,00	0,000	2,810	0,000	56,940	172,650	30736,270	-30563,620
516+0,00	0,000	2,780	0,000	55,910	172,650	30792,180	-30619,530
517+0,00	0,000	2,610	0,000	53,[illegible]0	172,650	30844,800	-30672,010
518+0,00	0,000	2,460	0,000	50,700	172,650	30895,500	-30722,930
519+0,00	0,000	3,260	0,000	57,[illegible]0	172,650	30953,730	-30781,140
520+0,00	0,000	3,310	0,000	65,[illegible]0	172,650	31025,530	-30852,970
521+0,00	0,000	4,060	0,000	73,[illegible]0	172,650	31[illegible],530	-30931,990
522+0,00	0,000	3,960	0,000	74,[illegible]0	172,650	31[illegible],180	-31000,450
523+0,00	0,000	2,940	0,000	69,[illegible]0	172,650	31[illegible],[illegible]	-31069,510
524+0,00	0,000	2,620	0,000	56,60[illegible]	172,650	31[illegible],700	-31126,160
525+0,00	0,000	2,590	0,000	52,[illegible]0	172,650	31[illegible],[illegible]	-31180,790
526+0,00	0,000	2,910	0,000	55,000	172,650	31[illegible],710	-31237,060
527+0,00	0,000	2,930	0,000	58,[illegible]0	172,650	31[illegible],[illegible]	-31294,190
528+0,00	0,000	3,070	0,000	60,[illegible]0	172,650	31[illegible],[illegible]	-31353,210
529+0,00	0,000	2,810	0,000	58,800	172,650	31[illegible],[illegible]	-31412,360
530+0,00	0,000	2,940	0,000	58,[illegible]0	172,650	31[illegible],[illegible]	-31471,760
531+0,00	0,000	2,900	0,000	58,[illegible]0	172,650	31[illegible],[illegible]	-31530,710
532+0,00	0,000	2,900	0,000	58,[illegible]0	172,650	31[illegible],[illegible]	-31589,660
533+0,00	0,000	2,900	0,000	58,000	172,650	31[illegible],[illegible]	-31648,660
534+0,00	0,000	2,880	0,000	57,[illegible]0	172,650	31[illegible],[illegible]	-31707,660
535+0,00	0,000	3,570	0,000	64,[illegible]0	172,650	31[illegible],[illegible]	-31787,600
536+0,00	0,000	3,810	0,000	73,[illegible]0	172,650	31[illegible],[illegible]	-31841,900
537+0,00	0,000	3,610	0,000	72,[illegible]0	172,650	3[illegible],[illegible]	-31913,400
538+0,00	0,000	2,930	0,000	65,[illegible]0	172,650	32[illegible],[illegible]	-31981,840
539+0,00	0,000	2,810	0,000	58,[illegible]0	172,650	32[illegible],[illegible]	-32097,550
540+0,00	0,000	3,130	0,000	59,[illegible]0	172,650	32[illegible],[illegible]	-32099,850
541+0,00	0,000	3,670	0,000	68,000	172,650	32[illegible],[illegible]	-32170,010
542+0,00	0,000	3,010	0,000	67,[illegible]0	172,650	32[illegible],[illegible]	-32270,410
543+0,00	0,000	2,720	0,000	57,[illegible]0	172,650	32[illegible],[illegible]	-32327,410
544+0,00	0,000	2,900	0,000	56,[illegible]0	172,650	32[illegible],[illegible]	-32398,350
545+0,00	0,000	2,720	0,000	56,[illegible]0	172,650	32[illegible],[illegible]	-32395,760
546+0,00	0,000	3,030	0,000	57,[illegible]0	172,650	32[illegible],[illegible]	-32452,920
547+0,00	0,000	3,070	0,000	61,000	172,650	32[illegible],[illegible]	-32511,070
548+0,00	0,000	2,990	0,000	60,[illegible]0	172,650	32[illegible],[illegible]	-32573,490
549+0,00	0,000	2,930	0,000	59,[illegible]0	172,650	32[illegible],[illegible]	-32631,920
550+0,00	0,000	2,900	0,000	58,000	172,650	32[illegible],[illegible]	-32690,920
551+0,00	0,000	2,810	0,000	57,[illegible]0	172,650	32[illegible],[illegible]	-32749,060
552+0,00	0,000	2,870	0,000	56,[illegible]0	172,650	32[illegible],[illegible]	-32806,960
553+0,00	0,000	2,810	0,000	56,[illegible]0	172,650	32[illegible],[illegible]	-32864,870
554+0,00	0,000	3,140	0,000	59,[illegible]0	172,650	32[illegible],[illegible]	-32924,400
555+0,00	0,000	2,980	0,000	61,[illegible]0	172,650	32[illegible],[illegible]	-32985,600
556+0,00	0,000	3,010	0,000	59,[illegible]0	172,650	33[illegible],[illegible]	-33098,600
557+0,00	0,000	2,590	0,000	56,[illegible]0	172,650	33[illegible],[illegible]	-33160,760
558+0,00	0,000	0,000	0,000	25,[illegible]0	172,650	33[illegible],[illegible]	-33178,200
559+0,00	0,000	2,950	0,000	29,[illegible]0	172,650	33[illegible],[illegible]	-33179,900
560+0,00	0,000	2,730	0,000	28,[illegible]0	172,650	33[illegible],[illegible]	-33205,400
561+0,00	0,000	2,950	0,000	28,[illegible]0	172,650	33[illegible],[illegible]	-33257,740
562+0,00	0,000	2,900	0,000	28,[illegible]0	172,650	33[illegible],[illegible]	-33307,170
563+0,00	0,000	2,950	0,000	28,[illegible]0	172,650	33[illegible],[illegible]	-33358,710
564+0,00	0,000	2,950	0,000	29,[illegible]0	172,650	33[illegible],[illegible]	-33409,890
565+0,00	0,000	3,010	0,000	29,[illegible]0	172,650	33[illegible],[illegible]	-33461,640
566+0,00	0,000	3,000	0,000	29,[illegible]0	172,650	33[illegible],[illegible]	-33513,390

Osvaldo Leôncio da [illegible] Filho
Diretor [illegible]
Projetos [illegible]
Secretaria [illegible]

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
567+0,00	0,000	2,640	0,000	68,760	172,740	33802,110	-33629,430
568+0,00	0,000	2,920	0,000	55,600	172,740	33858,630	-33685,890
569+0,00	0,000	2,870	0,000	57,900	172,740	33917,450	-33744,710
570+0,00	0,000	2,820	0,000	57,030	172,740	33974,490	-33801,750
571+0,00	0,000	2,420	0,000	52,580	172,740	34027,070	-33854,330
572+0,00	0,000	1,790	0,000	42,270	172,740	34069,340	-33896,600
573+0,00	0,000	2,850	0,000	46,460	172,740	34115,790	-33943,050
574+0,00	0,000	2,240	0,000	50,920	172,740	34166,720	-33993,980
575+0,00	0,000	2,700	0,000	49,460	172,740	34216,180	-34043,440
576+0,00	0,000	3,050	0,000	57,100	172,740	34273,280	-34100,540
577+0,00	0,000	2,880	0,000	59,640	172,740	34332,920	-34160,180
578+0,00	0,000	2,840	0,000	57,210	172,740	34390,130	-34217,390
579+0,00	0,000	2,900	0,000	58,400	172,740	34447,530	-34274,790
580+0,00	0,000	2,860	0,000	55,540	172,740	34503,070	-34330,330
581+0,00	0,000	2,870	0,000	57,300	172,740	34560,370	-34387,630
582+0,00	0,000	3,050	0,000	59,200	172,740	34619,570	-34446,830
583+0,00	0,000	2,920	0,000	59,700	172,740	34679,270	-34506,530
584+0,00	0,000	5,010	0,000	79,300	172,740	34758,570	-34585,830
585+0,00	0,000	3,770	0,000	87,800	172,740	34846,370	-34673,630
586+0,00	0,000	2,580	0,000	63,500	172,740	34909,870	-34737,130
587+0,00	0,000	2,400	0,000	49,800	172,740	34959,670	-34786,930
588+0,00	0,000	1,710	0,000	41,070	172,740	35000,740	-34828,000
589+0,00	0,000	1,460	0,000	31,700	172,740	35032,440	-34859,700
590+0,00	0,000	2,150	0,000	36,100	172,740	35068,540	-34895,800
591+0,00	0,000	2,710	0,000	48,600	172,740	35117,140	-34944,400
592+0,00	0,000	1,580	0,000	42,900	172,740	35160,040	-34987,300
593+0,00	0,000	2,710	0,000	42,900	172,740	35202,940	-35030,200
594+0,00	0,000	2,960	0,000	56,700	172,740	35259,640	-35086,900
595+0,00	0,000	2,700	0,000	56,600	172,740	35316,240	-35143,500
596+0,00	0,000	2,800	0,000	55,000	172,740	35371,240	-35198,500
597+0,00	0,000	2,920	0,000	57,200	172,740	35428,440	-35255,700
598+0,00	0,000	2,920	0,000	58,400	172,740	35486,840	-35314,100
599+0,00	0,000	2,920	0,000	58,400	172,740	35545,240	-35372,500
600+0,00	0,000	3,160	0,000	60,800	172,740	35606,040	-35433,300
601+0,00	0,000	3,750	0,000	69,100	172,740	35675,140	-35502,400
602+0,00	0,000	3,670	0,000	74,200	172,740	35749,340	-35576,600
603+0,00	0,000	3,370	0,000	70,400	172,740	35819,740	-35647,000
604+0,00	0,000	2,920	0,000	62,900	172,740	35882,640	-35709,900
605+0,00	0,000	3,120	0,000	60,400	172,740	35943,040	-35770,300
606+0,00	0,000	3,010	0,000	61,300	172,740	36004,340	-35831,600
607+0,00	0,000	2,960	0,000	59,700	172,740	36064,040	-35891,300
608+0,00	0,000	2,950	0,000	59,100	172,740	36123,140	-35950,400
609+0,00	0,000	2,920	0,000	58,700	172,740	36181,840	-36009,100
610+0,00	0,000	4,070	0,000	69,900	172,740	36251,740	-36079,000
611+0,00	0,000	4,550	0,000	86,200	172,740	36337,940	-36165,200
612+0,00	0,000	4,350	0,000	89,000	172,740	36426,940	-36254,200
613+0,00	0,000	4,190	0,000	84,400	172,740	36511,340	-36338,600
614+0,00	0,000	3,870	0,000	81,200	172,740	36592,540	-36419,800
615+0,00	0,000	3,790	0,000	76,600	172,740	36669,140	-36496,400
616+0,00	0,000	3,020	0,000	67,810	172,740	36736,950	-36564,210
617+0,00	0,000	2,960	0,000	59,800	172,740	36796,750	-36624,010
618+0,00	0,000	2,510	0,000	54,700	172,740	36851,450	-36678,710
619+0,00	0,000	3,120	0,000	56,300	172,740	36907,750	-36735,010
620+0,00	0,000	2,950	0,000	60,700	172,740	36968,450	-36795,710
621+0,00	0,000	2,640	0,000	55,900	172,740	37024,350	-36851,610
622+0,00	0,000	2,870	0,000	55,100	172,740	37079,450	-36906,710
623+0,00	0,000	1,810	0,000	46,800	172,740	37126,250	-36953,510
624+0,00	0,000	2,220	0,000	40,300	172,740	37166,550	-36993,810
625+0,00	0,000	2,060	0,000	42,800	172,740	37209,350	-37036,610
626+0,00	0,000	2,050	0,000	41,100	172,740	37250,450	-37077,710
627+0,00	0,000	2,030	0,000	40,800	172,740	37291,250	-37118,510
628+0,00	0,000	2,050	0,000	40,800	172,740	37332,050	-37159,310
629+0,00	0,000	2,010	0,000	40,600	172,740	37372,650	-37199,910
630+0,00	0,000	2,010	0,000	40,200	172,740	37412,850	-37240,110

Osvaldo Leoncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades (Secid)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
631+0,00	0,000	3,040	0,000	29,740	172,740	37564,810	-37412,070
632+0,00	0,000	2,810	0,000	59,520	172,740	37663,330	-37470,590
633+0,00	0,000	2,950	0,000	57,650	172,740	37700,980	-37528,240
634+0,00	0,000	3,270	0,000	62,220	172,740	37763,210	-37590,470
635+0,00	0,000	2,930	0,000	62,040	172,740	37825,250	-37652,510
636+0,00	0,000	3,000	0,000	59,300	172,740	37884,550	-37711,810
637+0,00	0,000	2,950	0,000	59,480	172,740	37944,030	-37771,290
638+0,00	0,000	2,980	0,000	59,280	172,740	38003,310	-37830,570
639+0,00	0,000	2,940	0,000	59,130	172,740	38062,440	-37889,700
640+0,00	0,000	3,020	0,000	59,590	172,740	38122,030	-37949,290
641+0,00	0,000	3,070	0,000	60,900	172,740	38182,930	-38010,190
642+0,00	0,000	3,270	0,000	63,440	172,740	38246,370	-38073,630
643+0,00	0,000	2,310	0,000	61,800	172,740	38308,170	-38135,430
644+0,00	0,000	2,600	0,000	57,100	172,740	38365,270	-38192,530
645+0,00	0,000	2,960	0,000	55,600	172,740	38420,870	-38248,130
646+0,00	0,000	2,970	0,000	59,300	172,740	38479,840	-38307,100
647+0,00	0,000	2,860	0,000	58,300	172,740	38538,140	-38365,400
648+0,00	0,000	2,960	0,000	58,200	172,740	38596,340	-38423,600
649+0,00	0,000	2,710	0,000	56,700	172,740	38653,040	-38480,300
650+0,00	0,000	1,770	0,000	44,800	172,740	38697,840	-38525,100
651+0,00	0,000	2,880	0,000	46,500	172,740	38744,340	-38571,600
652+0,00	0,000	3,130	0,000	55,100	172,740	38799,440	-38626,700
653+0,00	0,000	3,060	0,000	61,900	172,740	38861,340	-38688,600
654+0,00	0,000	2,980	0,000	60,400	172,740	38921,740	-38749,000
655+0,00	0,000	2,990	0,000	59,700	172,740	38981,440	-38808,700
656+0,00	0,000	3,500	0,000	64,900	172,740	39046,340	-38873,600
657+0,00	0,000	3,720	0,000	72,200	172,740	39118,540	-38945,800
658+0,00	0,000	3,000	0,000	67,200	172,740	39185,740	-39013,000
659+0,00	0,000	2,830	0,000	58,300	172,740	39244,040	-39071,300
660+0,00	0,000	3,010	0,000	58,400	172,740	39302,440	-39129,700
661+0,00	0,000	4,580	0,000	75,900	172,740	39378,340	-39205,600
662+0,00	0,000	4,840	0,000	94,200	172,740	39472,540	-39299,800
663+0,00	0,000	4,150	0,000	89,900	172,740	39562,440	-39389,700
664+0,00	0,000	5,020	0,000	91,700	172,740	39654,140	-39481,400
665+0,00	0,000	5,000	0,000	100,200	172,740	39754,340	-39581,600
666+0,00	0,000	4,980	0,000	99,800	172,740	39854,140	-39681,400
667+0,00	0,000	2,700	0,000	76,800	172,740	39930,940	-39758,200
668+0,00	0,000	3,120	0,000	58,200	172,740	39989,140	-39816,400
669+0,00	0,000	3,020	0,000	61,400	172,740	40050,540	-39877,800
670+0,00	0,000	3,020	0,000	60,400	172,740	40110,940	-39938,200
671+0,00	0,000	2,920	0,000	59,400	172,740	40170,340	-39997,600
672+0,00	0,000	2,910	0,000	58,300	172,740	40228,640	-40055,900
673+0,00	0,000	2,970	0,000	58,800	172,740	40287,440	-40114,700
674+0,00	0,000	3,120	0,000	60,900	172,740	40348,340	-40175,600
675+0,00	0,000	3,060	0,000	61,800	172,740	40410,140	-40237,400
676+0,00	0,000	3,000	0,000	60,600	172,740	40470,740	-40298,000
677+0,00	0,000	3,140	0,000	61,400	172,740	40532,140	-40359,400
679+0,00	0,000	4,360	0,000	74,900	172,740	40607,040	-40434,300
679+0,00	0,000	3,660	0,000	80,200	172,740	40687,240	-40514,500
680+0,00	0,000	3,030	0,000	66,900	172,740	40754,140	-40581,400
681+0,00	0,000	3,070	0,000	61,000	172,740	40815,140	-40642,400
682+0,00	0,000	3,070	0,000	61,400	172,740	40876,540	-40703,800
683+0,00	0,000	2,860	0,000	59,300	172,740	40935,840	-40763,100
684+0,00	0,000	2,995	0,000	58,550	172,740	40994,390	-40821,650
685+0,00	0,000	2,970	0,000	59,650	172,740	41054,040	-40881,300
686+0,00	0,000	2,950	0,000	59,200	172,740	41113,240	-40940,500
687+0,00	0,000	2,940	0,000	58,900	172,740	41172,140	-40999,400
688+0,00	0,000	2,980	0,000	59,200	172,740	41231,340	-41058,600
689+0,00	0,000	2,960	0,000	59,400	172,740	41290,740	-41118,000
690+0,00	0,000	2,990	0,000	59,500	172,740	41350,240	-41177,500
691+0,00	0,000	2,990	0,000	59,900	172,740	41410,140	-41237,400
692+0,00	0,000	2,990	0,000	59,900	172,740	41470,040	-41297,300
693+0,00	0,000	2,900	0,000	58,900	172,740	41528,940	-41356,200
694+0,00	0,000	3,520	0,000	64,200	172,740	41593,140	-41420,400

Osvaldo [illegible] da Silva
Diretor da Unidade de Projetos
Projetos e Obras
Secretaria [illegible]

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
695+0,00	0,000	4,0[illegible]	0,000	[illegible]	172,740	[illegible]	-[illegible],290
696+0,00	0,000	3,[illegible]	0,000	[illegible]	172,740	[illegible]	-[illegible],000
697+0,00	0,000	2,[illegible]	0,000	[illegible]	172,740	[illegible]	-[illegible],050
698+0,00	0,000	4,[illegible]	0,000	[illegible]	172,740	[illegible]	-[illegible],480
699+0,00	0,000	5,5[illegible]	0,000	[illegible]	172,740	[illegible]	-[illegible],000
700+0,00	0,000	7,050	0,000	131,560	172,740	42011,720	-41838,980
701+0,00	0,000	6,190	0,000	136,070	172,740	42150,090	-41977,350
702+0,00	0,000	6,240	0,000	137,300	172,740	42287,390	-42114,650
703+0,00	0,000	2,850	0,000	90,850	172,740	42378,240	-42205,490
704+0,00	0,500	0,[illegible]	[illegible]	[illegible]	175,230	42387,[illegible]	-42212,[illegible]
705+0,00	2,540	0,[illegible]	30,800	[illegible]	205,[illegible]	[illegible]	-[illegible]
706+0,00	3,810	0,[illegible]	63,[illegible]	[illegible]	270,[illegible]	[illegible]	-[illegible]
707+0,00	0,[illegible]	0,[illegible]	4[illegible]	[illegible]	311,[illegible]	[illegible]	-[illegible]
708+0,00	0,000	2,[illegible]	0,000	22,[illegible]	318,020	[illegible]	-[illegible]
709+0,00	0,000	2,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
710+0,00	0,000	2,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
711+0,00	0,000	3,[illegible]	0,000	[illegible]	318,020	[illegible]	-42291,040
712+0,00	0,000	3,[illegible]	0,000	[illegible]	318,020	[illegible]	-42340,350
713+0,00	0,000	2,[illegible]	0,000	[illegible]	318,020	[illegible]	-42409,520
714+0,00	0,000	2,[illegible]	0,000	[illegible]	318,[illegible]	[illegible]	-[illegible]
715+0,00	0,000	2,[illegible]	0,000	[illegible]	318,[illegible]	[illegible]	-[illegible]
716+0,00	0,000	2,[illegible]	0,000	[illegible]	318,[illegible]	[illegible]	-[illegible]
717+0,00	0,000	0,[illegible]	0,000	[illegible]	318,[illegible]	[illegible]	-[illegible]
718+0,00	0,000	0,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
719+0,00	0,000	0,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
720+0,00	0,000	2,[illegible]	0,000	[illegible]	318,020	[illegible]	-42627,210
721+0,00	0,000	2,[illegible]	0,000	[illegible]	318,020	[illegible]	-42692,360
722+0,00	0,000	2,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
723+0,00	0,000	2,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
724+0,00	0,000	2,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
725+0,00	0,000	2,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
726+0,00	0,000	2,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
727+0,00	0,000	0,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
728+0,00	0,000	2,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
729+0,00	0,000	2,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
730+0,00	0,000	2,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
731+0,00	0,000	3,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
732+0,00	0,000	4,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
733+0,00	0,000	0,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
734+0,00	0,000	0,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
735+0,00	0,000	0,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
736+0,00	0,000	1,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
737+0,00	0,000	2,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
738+0,00	0,000	2,000	0,000	57,[illegible]	318,020	[illegible]	-[illegible]
739+0,00	0,000	0,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
740+0,00	0,000	0,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
741+0,00	0,000	0,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
742+0,00	0,000	0,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
743+0,00	0,000	0,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
744+0,00	0,000	0,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
745+0,00	0,000	0,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
746+0,00	0,000	0,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
747+0,00	0,000	0,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
748+0,00	0,000	0,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
749+0,00	0,000	0,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
750+0,00	0,000	0,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
751+0,00	0,000	0,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
752+0,00	0,000	0,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
753+0,00	0,000	0,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
754+0,00	0,000	0,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
755+0,00	0,000	0,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
756+0,00	0,000	0,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
757+0,00	0,000	0,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]
758+0,00	0,000	0,[illegible]	0,000	[illegible]	318,020	[illegible]	-[illegible]

Osvaldo Leonardo da Silva Filho
Diretor de [illegible]
Projetos Urbanos - [illegible]
Secretaria de Obras (Sedu)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
759+0,00	0,000	2,970	0,000	61,950	319,120	45530,130	-45209,930
760+0,00	0,000	2,880	0,000	58,500	319,120	45588,630	-45269,520
761+0,00	0,000	2,850	0,000	54,600	319,120	45643,230	-45340,120
762+0,00	0,000	2,970	0,000	57,600	319,120	45700,830	-45405,490
763+0,00	0,000	2,700	0,000	56,580	319,120	45757,410	-45462,070
764+0,00	0,000	2,610	0,000	53,100	319,120	45824,210	-45515,090
765+0,00	0,000	2,580	0,000	51,870	319,120	45883,080	-45566,960
766+0,00	0,000	2,620	0,000	52,040	319,120	45939,120	-45619,000
767+0,00	0,000	3,210	0,000	58,310	319,120	45998,430	-45677,310
768+0,00	0,000	2,960	0,000	61,650	319,120	46058,080	-45738,960
769+0,00	0,020	2,700	0,100	56,600	319,220	46114,680	-45795,460
770+0,00	0,000	2,660	0,200	53,600	319,420	46171,280	-45851,860
771+0,00	0,000	3,100	0,000	57,600	319,420	46232,480	-45913,060
772+0,00	0,300	2,280	3,000	54,300	322,420	46286,780	-45964,360
773+0,00	0,410	2,530	7,100	48,100	331,520	46334,880	-46003,360
774+0,00	0,460	3,070	8,640	54,420	340,160	46389,300	-46049,140
775+0,00	0,000	3,240	4,570	63,390	344,740	46452,690	-46107,950
776+0,00	0,410	3,190	4,020	64,310	348,760	46517,000	-46168,240
777+0,00	0,160	3,160	5,700	63,500	354,460	46580,500	-46226,040
778+0,00	0,270	3,010	4,300	61,700	358,760	46642,200	-46283,440
779+0,00	0,040	3,020	3,100	60,300	361,860	46702,500	-46340,640
780+0,00	0,040	3,010	0,800	60,300	362,660	46762,800	-46400,140
781+0,00	0,010	2,450	0,500	54,600	363,160	46817,400	-46454,240
782+0,00	0,000	3,020	0,050	54,700	363,340	46872,100	-46508,760
783+0,00	0,000	3,000	0,000	60,200	363,340	46932,300	-46568,960
784+0,00	0,000	2,990	0,000	59,900	363,340	46992,200	-46628,860
785+0,00	0,100	1,700	1,000	47,000	364,170	47039,500	-46675,330
786+0,00	0,000	2,950	1,000	46,500	365,060	47086,000	-46720,940
787+0,00	0,000	3,150	0,000	60,500	365,060	47146,500	-46781,440
788+0,00	0,300	0,120	3,000	16,350	368,060	47162,850	-46794,790
789+0,00	0,000	0,000	3,000	1,200	371,060	47164,050	-46792,990
790+0,00	0,000	0,000	0,000	0,000	371,060	47164,050	-46792,990
791+0,00	0,010	2,850	0,050	28,500	371,160	47192,550	-46821,390
792+0,00	0,020	2,150	0,300	50,000	371,760	47242,550	-46870,790
793+0,00	0,000	2,740	0,200	51,000	372,160	47293,550	-46921,390
794+0,00	0,010	2,110	0,100	50,500	372,760	47344,050	-46971,290
795+0,00	0,100	1,480	1,000	39,700	374,860	47383,750	-47008,890
796+0,00	0,000	1,460	1,000	29,600	375,860	47413,350	-47037,490
797+0,00	0,000	0,940	0,000	24,000	375,860	47437,350	-47061,490
798+0,00	0,010	1,700	0,050	26,400	376,010	47463,750	-47087,740
799+0,00	0,000	2,110	0,100	38,100	376,110	47501,850	-47125,740
800+0,00	0,000	4,060	0,000	61,700	376,110	47563,550	-47187,440
801+0,00	0,000	3,500	0,000	75,600	376,110	47639,150	-47263,040
802+0,00	0,000	1,600	0,000	51,000	376,110	47690,150	-47314,040
803+0,00	0,000	1,100	0,000	27,000	376,110	47717,150	-47341,040
804+0,00	0,000	0,100	0,000	6,000	376,110	47723,150	-47347,040
805+0,00	0,000	2,000	0,000	21,000	376,110	47744,150	-47368,040
806+0,00	0,000	2,800	0,000	48,000	376,110	47792,150	-47416,040
807+0,00	0,000	2,800	0,000	56,000	376,110	47848,150	-47472,040
808+0,00	0,000	2,700	0,000	55,000	376,110	47903,150	-47527,040
809+0,00	0,000	2,600	0,000	53,000	376,110	47956,150	-47580,040
810+0,00	0,000	2,900	0,000	55,000	376,110	48011,150	-47635,040
811+0,00	0,000	2,900	0,000	58,000	376,110	48069,150	-47693,040
812+0,00	0,000	2,900	0,000	58,000	376,110	48127,150	-47751,040
813+0,00	0,000	2,900	0,000	58,000	376,110	48185,150	-47809,040
814+0,00	0,000	2,900	0,000	58,000	376,110	48243,150	-47867,040
815+0,00	0,000	2,900	0,000	58,000	376,110	48301,150	-47925,040
816+0,00	0,000	2,900	0,000	58,000	376,110	48359,150	-47983,040
817+0,00	0,000	2,900	0,000	58,000	376,110	48417,150	-48041,040
818+0,00	0,000	2,750	0,000	56,500	376,110	48473,650	-48097,540
819+0,00	0,000	2,700	0,000	54,500	376,110	48528,150	-48152,040
820+0,00	0,000	2,700	0,000	54,000	376,110	48582,150	-48206,040
821+0,00	0,000	2,700	0,000	54,000	376,110	48636,150	-48260,040
822+0,00	0,000	2,900	0,000	56,000	376,110	48692,150	-48316,040

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Projetos e Obras - SUPOP
Secretaria de Estado

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
823+0,00	0,000	2,790	0,000	55,800	370,670	[illegible]	-49[illegible],990
824+0,00	0,000	2,700	0,000	54,900	370,670	[illegible]	-49[illegible],590
825+0,00	0,000	2,390	0,000	50,900	370,670	[illegible]	-48965,540
826+0,00	0,000	2,030	0,000	44,200	370,670	[illegible]	-48923,800
827+0,00	0,000	2,600	0,000	46,300	370,670	[illegible]	-48982,370
828+0,00	0,000	3,050	0,000	59,700	370,670	[illegible]	-49142,140
829+0,00	0,000	3,160	0,000	62,100	370,670	[illegible]	-49216,670
830+0,00	0,000	3,190	0,000	63,500	370,670	[illegible]	-49286,580
831+0,00	0,000	2,630	0,000	58,200	370,670	[illegible]	-49[illegible],240
832+0,00	0,000	2,670	0,000	53,000	370,670	[illegible]	-49[illegible],570
833+0,00	0,000	3,130	0,000	58,000	370,670	[illegible]	-49[illegible],470
834+0,00	0,000	3,110	0,000	62,400	370,670	[illegible]	-49595,540
835+0,00	0,000	2,960	0,000	60,700	370,670	[illegible]	-49556,370
836+0,00	0,000	3,030	0,000	59,900	370,670	[illegible]	-49536,620
837+0,00	0,000	1,530	0,000	45,600	370,670	[illegible]	-49675,200
838+0,00	0,190	1,170	2,400	27,000	373,070	[illegible]	-49[illegible],300
839+0,00	0,050	1,300	1,240	24,700	374,310	[illegible]	-49[illegible],060
840+0,00	0,000	1,730	0,500	30,300	374,810	[illegible]	-49[illegible],990
841+0,00	0,000	2,560	0,000	42,900	374,810	[illegible]	-49[illegible],090
842+0,00	0,000	3,000	0,000	55,600	374,810	[illegible]	-49[illegible],790
843+0,00	0,000	3,020	0,000	54,200	374,810	[illegible]	-49[illegible],390
844+0,00	0,000	2,920	0,000	49,400	374,810	[illegible]	-49[illegible],590
845+0,00	0,000	2,860	0,000	47,800	374,810	[illegible]	-50038,590
846+0,00	0,000	2,790	0,000	46,500	374,810	[illegible]	-50097,900
847+0,00	0,000	2,870	0,000	46,600	374,810	[illegible]	-50102,500
848+0,00	0,000	3,000	0,000	48,700	374,810	[illegible]	-50[illegible],600
849+0,00	0,000	3,000	0,000	50,000	374,810	[illegible]	-50[illegible],000
850+0,00	0,000	2,970	0,000	49,700	374,810	[illegible]	-50[illegible],000
851+0,00	0,000	2,910	0,000	48,800	374,810	[illegible]	-50[illegible],100
852+0,00	0,000	2,740	0,000	46,500	374,810	[illegible]	-50[illegible],690
853+0,00	0,000	3,000	0,000	47,400	374,810	[illegible]	-50[illegible],610
854+0,00	0,000	3,000	0,000	50,000	374,810	[illegible]	-50[illegible],000
855+0,00	0,000	3,000	0,000	50,000	374,810	[illegible]	-50[illegible],000
856+0,00	0,000	3,000	0,000	50,000	374,810	[illegible]	-50[illegible],000
857+0,00	0,000	3,000	0,000	50,000	374,810	[illegible]	-50[illegible],100
858+0,00	0,000	2,730	0,000	47,300	374,810	[illegible]	-50[illegible],050
859+0,00	0,000	3,000	0,000	47,300	374,810	[illegible]	-50[illegible],000
860+0,00	0,000	2,990	0,000	49,900	374,810	[illegible]	-50[illegible],410
861+0,00	0,000	2,990	0,000	49,900	374,810	[illegible]	-50[illegible],000
862+0,00	0,000	2,990	0,000	49,900	374,810	[illegible]	-50[illegible],000
863+0,00	0,000	3,000	0,000	49,900	374,810	[illegible]	-50[illegible],000
864+0,00	0,000	2,910	0,000	49,100	374,810	[illegible]	-50[illegible],710
865+0,00	0,000	2,810	0,000	47,200	374,810	[illegible]	-50[illegible],010
866+0,00	0,000	3,000	0,000	48,100	374,810	[illegible]	-50[illegible],070
867+0,00	0,000	3,000	0,000	50,000	374,810	[illegible]	-50[illegible],000
868+0,00	0,000	2,970	0,000	49,700	374,810	[illegible]	-50[illegible],000
869+0,00	0,000	2,970	0,000	49,400	374,810	[illegible]	-50[illegible],000
870+0,00	0,000	3,000	0,000	49,700	374,810	[illegible]	-50[illegible],000
871+0,00	0,000	3,000	0,000	50,000	374,810	[illegible]	-50[illegible],000
872+0,00	0,000	3,000	0,000	50,000	374,810	[illegible]	-50[illegible],000
873+0,00	0,000	3,000	0,000	50,000	374,810	[illegible]	-50[illegible],000
874+0,00	0,000	3,000	0,000	50,000	374,810	[illegible]	-50[illegible],000
875+0,00	0,000	2,970	0,000	49,700	374,810	[illegible]	-50[illegible],040
876+0,00	0,000	2,890	0,000	48,600	374,810	[illegible]	-50[illegible],290
877+0,00	0,000	3,000	0,000	48,900	374,810	[illegible]	-50[illegible],090
878+0,00	0,000	3,000	0,000	50,000	374,810	[illegible]	-50[illegible],000
879+0,00	0,000	3,000	0,000	50,000	374,810	[illegible]	-50[illegible],000
880+0,00	0,000	3,000	0,000	50,000	374,810	[illegible]	-50[illegible],000
881+0,00	0,000	3,000	0,000	50,000	374,810	[illegible]	-50[illegible],000
882+0,00	0,000	2,970	0,000	49,700	374,810	[illegible]	-50[illegible],000
883+0,00	0,000	2,960	0,000	49,300	374,810	[illegible]	-50[illegible],060
884+0,00	0,000	3,000	0,000	49,600	374,810	[illegible]	-50[illegible],000
885+0,00	0,000	2,970	0,000	49,700	374,810	[illegible]	-50[illegible],270
886+0,00	0,000	3,000	0,000	49,700	374,810	[illegible]	-50[illegible],270

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Projetos
Projetos e Concessões
Secretaria de Infraestrutura

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
887+0,00	0,000	3,410	0,000	60,000	375,970	52825,150	-52452,180
888+0,00	0,000	3,050	0,000	64,600	375,970	52890,050	-52517,080
889+0,00	0,000	3,020	0,000	61,700	375,970	52954,150	-52578,180
890+0,00	0,000	3,240	0,000	62,600	375,970	53016,750	-52640,780
891+0,00	0,000	3,150	0,000	64,300	375,970	53080,350	-52704,380
892+0,00	0,000	3,050	0,000	62,810	375,970	53143,440	-52767,470
893+0,00	0,000	3,050	0,000	61,320	375,970	53204,960	-52828,990
894+0,00	0,000	2,700	0,000	57,640	375,970	53262,600	-52886,630
895+0,00	0,000	2,750	0,000	54,460	375,970	53317,070	-52941,100
896+0,00	0,000	2,740	0,000	54,520	375,970	53371,590	-52995,620
897+0,00	0,000	3,790	0,000	65,370	375,970	53436,960	-53061,090
898+0,00	0,000	2,050	0,000	60,330	375,970	53556,710	-53180,740
899+0,00	0,000	2,420	0,000	31,480	375,970	53655,390	-53179,010
900+0,00	0,000	2,220	0,000	43,430	375,970	53698,820	-53227,480
901+0,00	0,000	2,670	0,000	54,310	375,970	53698,820	-53280,380
902+0,00	0,000	3,020	0,000	59,600	375,970	53778,220	-53342,250
903+0,00	0,000	3,050	0,000	60,630	375,970	53778,850	-53402,880
904+0,00	0,000	3,090	0,000	61,410	375,970	53842,260	-53466,290
905+0,00	0,000	3,160	0,000	62,090	375,970	53966,190	-53530,220
906+0,00	0,000	2,970	0,000	60,940	375,970	53966,870	-53590,900
907+0,00	0,000	2,950	0,000	59,190	375,970	53966,870	-53646,090
908+0,00	0,000	3,000	0,000	59,780	375,970	53966,870	-53707,050
909+0,00	0,000	2,040	0,000	55,340	375,970	54166,450	-53784,490
910+0,00	0,000	2,450	0,000	56,430	375,970	54166,450	-53841,020
911+0,00	0,000	2,000	0,000	53,520	375,970	54241,450	-53865,510
912+0,00	0,000	2,290	0,000	49,510	375,970	54290,950	-53915,020
913+0,00	0,000	3,110	0,000	54,040	375,970	54345,030	-53969,060
914+0,00	0,000	3,660	0,000	67,900	375,970	54412,930	-54036,960
915+0,00	0,000	3,920	0,000	76,040	375,970	54488,970	-54113,010
916+0,00	0,000	4,020	0,000	80,100	375,970	54569,070	-54193,100
917+0,00	0,000	3,900	0,000	79,200	375,970	54648,270	-54272,300
918+0,00	0,000	3,810	0,000	77,100	375,970	54725,370	-54349,400
919+0,00	0,000	2,340	0,000	61,500	375,970	54786,870	-54410,900
920+0,00	0,000	2,200	0,000	55,400	375,970	54842,270	-54466,300
921+0,00	0,000	2,200	0,000	54,000	375,970	54896,270	-54520,300
922+0,00	0,000	2,000	0,000	52,000	375,970	54948,270	-54572,300
923+0,00	0,000	3,100	0,000	55,000	375,970	55003,270	-54627,300
924+0,00	0,000	2,600	0,000	57,000	375,970	55060,270	-54684,300
925+0,00	0,000	2,050	0,000	54,500	375,970	55114,770	-54738,800
926+0,00	0,000	2,000	0,000	52,000	375,970	55166,770	-54790,800
927+0,00	0,000	2,150	0,000	52,500	375,970	55219,270	-54843,300
928+0,00	0,000	2,000	0,000	52,500	375,970	55271,770	-54895,800
929+0,00	0,000	3,200	0,000	64,000	375,970	55335,770	-54959,800
930+0,00	0,000	3,000	0,000	62,000	375,970	55397,770	-55021,800
931+0,00	0,000	2,900	0,000	59,000	375,970	55456,770	-55080,800
932+0,00	0,000	2,800	0,000	57,000	375,970	55513,770	-55137,800
933+0,00	0,000	2,700	0,000	55,000	375,970	55568,770	-55192,800
934+0,00	0,000	2,600	0,000	53,000	375,970	55621,770	-55245,800
935+0,00	0,000	2,700	0,000	53,000	375,970	55674,770	-55298,800
936+0,00	0,000	2,800	0,000	55,000	375,970	55729,770	-55353,800
937+0,00	0,000	2,900	0,000	57,000	375,970	55786,770	-55410,800
938+0,00	0,000	3,000	0,000	59,000	375,970	55845,770	-55469,800
939+0,00	0,000	3,200	0,000	62,000	375,970	55907,770	-55531,800
940+0,00	0,000	4,440	0,000	76,400	375,970	55984,170	-55608,200
941+0,00	0,000	3,810	0,000	82,500	375,970	56066,670	-55690,700
942+0,00	0,000	3,150	0,000	69,600	375,970	56136,270	-55760,300
943+0,00	0,000	3,000	0,000	61,500	375,970	56197,770	-55821,800
944+0,00	0,000	2,900	0,000	59,000	375,970	56256,770	-55880,800
945+0,00	0,000	2,850	0,000	57,500	375,970	56314,270	-55938,300
946+0,00	0,000	2,800	0,000	56,500	375,970	56370,770	-55994,800
947+0,00	0,000	2,750	0,000	55,500	375,970	56426,270	-56050,300
948+0,00	0,000	2,700	0,000	54,500	375,970	56480,770	-56104,800
949+0,00	0,000	2,750	0,000	54,500	375,970	56535,270	-56159,300
950+0,00	0,000	2,750	0,000	54,500	375,970	56589,770	-56213,800

Osvaldo Leonardo da Silva
Diretor da Unidade de Engenharia
Projetos e Obras Públicas
Secretaria de Obras

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
951+0,00	0,000	2,900	0,000	56,540	375,970	56635,800	-56259,830
952+0,00	0,000	2,880	0,000	57,820	375,970	56693,610	-56317,640
953+0,00	0,000	2,800	0,000	56,770	375,970	56750,390	-56374,420
954+0,00	0,000	2,850	0,000	56,450	375,970	56806,840	-56430,870
955+0,00	0,000	0,000	0,000	28,490	375,970	56835,330	-56459,360
956+0,00	0,000	2,930	0,000	29,260	375,970	56864,590	-56488,620
957+0,00	0,000	3,370	0,000	62,970	375,970	56927,560	-56551,590
958+0,00	0,000	0,000	0,000	33,690	375,970	56961,250	-56585,280
959+0,00	0,000	3,120	0,000	31,190	375,970	56992,440	-56616,470
960+0,00	0,000	3,420	0,000	65,470	375,970	57057,910	-56681,940
961+0,00	0,000	3,290	0,000	67,190	375,970	57125,110	-56749,140
962+0,00	0,000	2,820	0,000	61,130	375,970	57186,240	-56810,270
963+0,00	0,000	2,620	0,000	54,320	375,970	57240,560	-56864,590
964+0,00	0,000	2,550	0,000	51,640	375,970	57292,200	-56916,230
965+0,00	0,000	0,000	0,000	25,480	375,970	57317,690	-56941,720
966+0,00	0,000	1,790	0,000	17,930	375,970	57335,620	-56959,650
967+0,00	0,000	3,810	0,000	56,070	375,970	57391,690	-57015,720
968+0,00	0,000	3,180	0,000	69,940	375,970	57461,630	-57085,660
969+0,00	0,000	1,950	0,000	51,350	375,970	57512,980	-57137,010
970+0,00	0,000	3,120	0,000	50,750	375,970	57563,730	-57187,760
971+0,00	0,000	3,050	0,000	61,710	375,970	57625,440	-57249,470
972+0,00	0,000	2,900	0,000	59,150	375,970	57684,590	-57308,620
973+0,00	0,000	2,770	0,000	57,310	375,970	57741,890	-57365,920
974+0,00	0,000	3,820	0,000	65,910	375,970	57808,800	-57432,830
975+0,00	0,000	4,310	0,000	81,370	375,970	57890,170	-57514,200
976+0,00	0,000	3,350	0,000	76,610	375,970	57966,790	-57590,820
977+0,00	0,000	2,370	0,000	57,170	375,970	58023,950	-57647,980
978+0,00	0,000	2,150	0,000	45,240	375,970	58069,190	-57693,220
979+0,00	0,000	3,350	0,000	55,070	375,970	58124,260	-57748,290
980+0,00	0,000	3,610	0,000	69,790	375,970	58194,050	-57818,080
981+0,00	0,000	3,360	0,000	69,860	375,970	58263,910	-57887,940
982+0,00	0,000	2,990	0,000	63,500	375,970	58327,410	-57951,440
983+0,00	0,000	2,920	0,000	59,290	375,970	58386,700	-58010,730
984+0,00	0,000	2,910	0,000	58,420	375,970	58445,120	-58069,150
985+0,00	0,000	2,820	0,000	57,460	375,970	58502,580	-58126,610
986+0,00	0,000	2,910	0,000	57,440	375,970	58560,020	-58184,050
987+0,00	0,000	2,980	0,000	58,900	375,970	58618,920	-58242,950
988+0,00	0,000	2,870	0,000	58,750	375,970	58677,670	-58301,700
989+0,00	0,000	2,980	0,000	57,650	375,970	58735,320	-58359,350
990+0,00	0,000	2,840	0,000	57,290	375,970	58792,610	-58416,640
991+0,00	0,000	2,830	0,000	56,710	375,970	58849,320	-58473,350
992+0,00	0,000	2,770	0,000	55,950	375,970	58905,270	-58529,300
993+0,00	0,000	2,700	0,000	54,650	375,970	58959,920	-58583,950
994+0,00	0,000	2,560	0,000	52,600	375,970	59012,520	-58636,550
995+0,00	0,000	3,510	0,000	60,700	375,970	59073,220	-58697,250
996+0,00	0,000	3,640	0,000	71,550	375,970	59144,770	-58768,800
997+0,00	0,000	3,360	0,000	70,000	375,970	59214,770	-58838,800
998+0,00	0,000	3,090	0,000	64,500	375,970	59279,270	-58903,300
999+0,00	0,000	2,830	0,000	59,200	375,970	59338,470	-58962,500
1000+0,00	0,000	2,710	0,000	55,400	375,970	59393,870	-59017,900
1001+0,00	0,000	2,950	0,000	56,600	375,970	59450,470	-59074,500
1002+0,00	0,000	2,900	0,000	58,500	375,970	59508,970	-59133,000
1003+0,00	0,000	2,930	0,000	58,300	375,970	59567,270	-59191,300
1004+0,00	0,000	2,560	0,000	54,900	375,970	59622,170	-59246,200
1005+0,00	0,000	2,330	0,000	48,900	375,970	59671,070	-59295,100
1006+0,00	0,000	3,010	0,000	53,400	375,970	59724,470	-59348,500
1007+0,00	0,000	2,700	0,000	57,100	375,970	59781,570	-59405,600
1008+0,00	0,000	2,470	0,000	51,700	375,970	59833,270	-59457,300
1009+0,00	0,000	2,550	0,000	50,200	375,970	59883,470	-59507,500
1010+0,00	0,000	3,420	0,000	59,700	375,970	59943,170	-59567,200
1011+0,00	0,000	3,330	0,000	67,500	375,970	60010,670	-59634,700
1012+0,00	0,000	2,920	0,000	62,500	375,970	60073,170	-59697,200
1013+0,00	0,000	3,370	0,000	62,900	375,970	60136,070	-59760,100
1014+0,00	0,000	3,300	0,000	67,000	375,970	60203,070	-59827,100

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas, Projetos e Obras - DUPPO
Secretaria das Cidades

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1015+0,00	0,000	2,960	0,000	63,580	375,970	60259,950	-59883,980
1016+0,00	0,000	2,520	0,000	54,700	375,970	60314,740	-59938,770
1017+0,00	0,000	2,720	0,000	52,490	375,970	60367,240	-59991,270
1018+0,00	0,000	2,910	0,000	56,370	375,970	60423,610	-60047,640
1019+0,00	0,000	2,400	0,000	53,260	375,970	60476,870	-60100,900
1020+0,00	0,000	3,690	0,000	61,040	375,970	60537,910	-60161,940
1021+0,00	0,000	0,000	0,000	36,980	375,970	60574,890	-60198,920
1022+0,00	0,000	2,860	0,000	28,710	375,970	60603,600	-60227,630
1023+0,00	0,000	2,880	0,000	57,470	375,970	60661,070	-60285,100
1024+0,00	0,000	2,910	0,000	57,950	375,970	60719,010	-60343,040
1025+0,00	0,000	3,160	0,000	60,780	375,970	60779,800	-60403,830
1026+0,00	0,000	2,860	0,000	60,210	375,970	60840,100	-60464,130
1027+0,00	0,000	3,830	0,000	66,900	375,970	60907,070	-60531,100
1028+0,00	0,000	3,100	0,020	69,280	375,990	60977,050	-60601,060
1029+0,00	0,000	3,390	0,020	65,000	376,010	61042,390	-60666,380
1030+0,00	0,000	3,080	0,030	63,720	376,040	61106,110	-60730,070
1031+0,00	0,000	2,470	0,030	55,000	376,070	61161,110	-60785,040
1032+0,00	0,000	2,770	0,010	53,520	376,080	61214,630	-60838,550
1033+0,00	0,010	2,760	0,110	55,150	376,180	61270,380	-60894,200
1034+0,00	0,000	3,250	0,110	60,200	376,300	61330,580	-60954,280
1035+0,00	0,000	3,970	0,000	63,200	376,300	61393,780	-61017,480
1036+0,00	0,000	3,260	0,000	63,220	376,300	61457,000	-61080,700
1037+0,00	0,000	2,990	0,000	61,060	376,300	61518,060	-61141,760
1038+0,00	0,000	2,950	0,000	57,710	376,300	61575,780	-61199,480
1039+0,00	0,000	2,950	0,000	58,750	376,300	61634,530	-61258,230
1040+0,00	0,000	2,840	0,000	57,900	376,300	61692,000	-61315,700
1041+0,00	0,000	2,760	0,000	56,040	376,300	61747,700	-61371,400
1042+0,00	0,000	2,460	0,000	52,200	376,300	61799,800	-61423,500
1043+0,00	0,000	2,640	0,000	50,550	376,300	61850,380	-61474,080
1044+0,00	0,000	2,850	0,000	54,850	376,300	61903,480	-61527,180
1045+0,00	0,000	2,870	0,000	57,200	376,300	61956,900	-61580,600
1046+0,00	0,000	2,950	0,000	58,220	376,300	62012,920	-61636,620
1047+0,00	0,000	2,310	0,000	52,500	376,300	62070,420	-61694,120
1048+0,00	0,000	3,000	0,000	53,100	376,300	62123,850	-61747,550
1049+0,00	0,000	2,800	0,000	58,100	376,300	62187,970	-61811,670
1050+0,00	0,000	3,010	0,000	58,050	376,300	62246,020	-61869,720
1051+0,00	0,000	4,070	0,000	70,770	376,300	62320,800	-61944,500
1052+0,00	0,000	4,970	0,000	90,400	376,300	62413,900	-62037,600
1053+0,00	0,000	4,050	0,000	89,940	376,300	62513,030	-62136,730
1054+0,00	0,000	2,870	0,000	78,660	376,300	62592,030	-62215,730
1055+0,00	0,000	2,700	0,000	57,400	376,300	62649,530	-62273,230
1056+0,00	0,000	2,690	0,000	56,970	376,300	62706,300	-62330,000
1057+0,00	0,000	3,040	0,000	57,300	376,300	62765,700	-62389,400
1058+0,00	0,000	3,300	0,000	63,400	376,300	62829,150	-62452,850
1059+0,00	0,000	2,550	0,000	58,500	376,300	62886,400	-62510,100
1060+0,00	0,000	2,100	0,000	47,010	376,300	62933,000	-62556,700
1061+0,00	0,150	1,670	1,550	37,800	377,850	62970,200	-62592,350
1062+0,00	0,000	3,130	1,470	47,970	379,320	63018,250	-62638,930
1063+0,00	0,120	2,000	1,200	51,300	380,520	63069,600	-62689,080
1064+0,00	0,010	2,530	1,310	60,300	381,830	63129,900	-62748,070
1065+0,00	0,000	2,030	0,400	55,700	382,230	63185,700	-62803,470
1066+0,00	0,000	2,020	0,010	57,800	382,240	63243,600	-62861,360
1067+0,00	0,000	2,020	0,000	58,000	382,240	63301,540	-62919,300
1068+0,00	0,000	2,010	0,000	60,300	382,240	63361,840	-62979,600
1069+0,00	0,000	5,050	0,000	70,720	382,240	63432,560	-63050,320
1070+0,00	0,000	3,120	0,000	81,750	382,240	63514,310	-63132,070
1071+0,00	0,000	2,070	0,000	51,900	382,240	63566,210	-63183,970
1072+0,00	0,000	2,020	0,000	50,910	382,240	63617,120	-63234,880
1073+0,00	0,000	2,700	0,000	47,200	382,240	63664,320	-63282,080
1074+0,00	0,000	2,860	0,000	56,020	382,240	63720,340	-63338,100
1075+0,00	0,000	2,230	0,000	51,030	382,240	63771,370	-63389,130
1076+0,00	0,000	2,770	0,000	49,970	382,240	63821,340	-63439,100
1077+0,00	0,000	3,120	0,000	58,900	382,240	63880,240	-63498,000
1078+0,00	0,000	3,660	0,000	67,800	382,240	63948,040	-63565,800

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Projetos
Projetos e Obras - DUPRO
Secretaria das Cidades (SCID)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1079+0,00	0,000	4,370	0,000	80,230	382,210	64105,400	-63723,190
1080+0,00	0,000	4,520	0,000	85,850	382,210	64194,300	-63812,090
1081+0,00	0,000	3,960	0,000	85,280	382,210	64279,580	-63897,370
1082+0,00	0,000	7,630	0,000	116,030	382,210	64395,600	-64013,390
1083+0,00	0,120	4,040	1,240	116,560	383,440	64512,160	-64128,740
1084+0,00	0,000	5,050	1,240	90,810	384,690	64602,990	-64218,300
1085+0,00	0,140	4,450	1,440	94,960	386,130	64697,960	-64311,830
1086+0,00	0,100	3,120	2,490	75,510	388,620	64773,460	-64384,840
1087+0,00	0,000	0,000	1,030	31,250	389,650	64804,710	-64415,060
1088+0,00	0,000	4,350	0,000	43,510	389,650	64848,220	-64458,570
1089+0,00	0,000	3,270	0,000	76,210	389,650	64924,430	-64534,780
1090+0,00	0,000	3,360	0,000	66,570	389,650	64991,000	-64601,350
1091+0,00	0,000	5,770	0,000	91,310	389,650	65082,310	-64692,660
1092+0,00	0,000	2,950	0,000	87,180	389,650	65169,490	-64779,840
1093+0,00	0,000	2,580	0,000	55,330	389,650	65224,820	-64835,170
1094+0,00	0,000	2,660	0,000	52,940	389,650	65277,760	-64888,110
1095+0,00	0,000	3,660	0,000	64,730	389,650	65342,490	-64952,840
1096+0,00	0,000	2,640	0,000	63,170	389,650	65405,660	-65016,010
1097+0,00	0,000	2,730	0,000	53,700	389,650	65459,360	-65069,710
1098+0,00	0,000	3,510	0,000	62,400	389,650	65521,760	-65132,110
1099+0,00	0,000	3,060	0,000	64,650	389,650	65586,410	-65196,760
1100+0,00	0,000	3,010	0,000	60,700	389,650	65647,110	-65257,460
1101+0,00	0,000	3,040	0,000	60,500	389,650	65707,610	-65317,960
1102+0,00	0,000	3,150	0,000	61,900	389,650	65769,510	-65379,860
1103+0,00	0,000	2,870	0,000	60,200	389,650	65829,710	-65440,060
1104+0,00	0,000	3,120	0,000	59,900	389,650	65889,610	-65499,960
1105+0,00	0,000	2,920	0,000	60,400	389,650	65950,010	-65560,360
1106+0,00	0,000	2,770	0,000	56,900	389,650	66006,910	-65617,260
1107+0,00	0,000	2,800	0,000	55,700	389,650	66062,610	-65672,960
1108+0,00	0,000	2,550	0,000	53,500	389,650	66116,110	-65726,460
1109+0,00	0,000	2,590	0,000	51,400	389,650	66167,510	-65777,860
1110+0,00	0,000	2,830	0,000	54,200	389,650	66221,710	-65832,060
1111+0,00	0,000	2,840	0,000	56,700	389,650	66278,410	-65888,760
1112+0,00	0,000	2,750	0,000	55,900	389,650	66334,310	-65944,660
1113+0,00	0,000	2,610	0,000	53,600	389,650	66387,910	-65998,260
1114+0,00	0,000	2,930	0,000	55,400	389,650	66443,310	-66053,660
1115+0,00	0,000	1,810	0,000	47,400	389,650	66490,710	-66101,060
1116+0,00	0,000	2,520	0,000	43,300	389,650	66534,010	-66144,360
1117+0,00	0,000	2,350	0,000	48,700	389,650	66582,710	-66193,060
1118+0,00	0,000	3,650	0,000	60,000	389,650	66642,710	-66253,060
1119+0,00	0,000	2,070	0,000	57,200	389,650	66699,910	-66310,260
1120+0,00	0,000	2,670	0,000	47,400	389,650	66747,310	-66357,660
1121+0,00	0,000	3,000	0,000	56,700	389,650	66804,010	-66414,360
1122+0,00	0,000	3,170	0,000	61,700	389,650	66865,710	-66476,060
1123+0,00	0,000	2,840	0,000	60,100	389,650	66925,810	-66536,160
1124+0,00	0,000	3,000	0,000	58,400	389,650	66984,210	-66594,560
1125+0,00	0,000	2,650	0,000	56,500	389,650	67040,710	-66651,060
1126+0,00	0,000	2,990	0,000	56,400	389,650	67097,110	-66707,460
1127+0,00	0,000	2,950	0,000	59,410	389,650	67156,520	-66766,870
1128+0,00	0,000	3,000	0,000	59,500	389,650	67216,020	-66826,370
1129+0,00	0,000	2,950	0,000	59,500	389,650	67275,520	-66885,870
1130+0,00	0,000	2,900	0,000	58,500	389,650	67334,020	-66944,370
1131+0,00	0,000	2,900	0,000	58,000	389,650	67392,020	-67002,370
1132+0,00	0,000	2,940	0,000	58,400	389,650	67450,420	-67060,770
1133+0,00	0,000	2,940	0,000	58,800	389,650	67509,220	-67119,570
1134+0,00	0,000	2,950	0,000	58,900	389,650	67568,120	-67178,470
1135+0,00	0,000	1,560	0,000	45,100	389,650	67613,220	-67223,570
1136+0,00	0,000	1,560	0,000	31,200	389,650	67644,420	-67254,770
1137+0,00	0,000	2,770	0,000	43,300	389,650	67687,720	-67298,070
1138+0,00	0,000	2,230	0,000	50,000	389,650	67737,720	-67348,070
1139+0,00	0,000	2,770	0,000	50,000	389,650	67787,720	-67398,070
1140+0,00	0,000	3,000	0,000	57,700	389,650	67845,420	-67455,770
1141+0,00	0,000	3,000	0,000	60,000	389,650	67905,420	-67515,770
1142+0,00	0,000	3,010	0,000	60,100	389,650	67965,520	-67575,870

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas, Projetos e Obras - DUPPO
Secretaria das Cidades (Secid)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Liquido (m3)
1143+0,00	0,000	0,000	0,000	30,850	389,650	68063,120	-67673,470
1144+0,00	0,000	3,130	0,000	31,080	389,650	68094,210	-67704,560
1145+0,00	0,000	3,220	0,000	62,790	389,650	68157,000	-67767,350
1146+0,00	0,000	2,980	0,000	61,540	389,650	68218,540	-67828,890
1147+0,00	0,000	3,330	0,000	62,850	389,650	68281,390	-67891,730
1148+0,00	0,000	3,370	0,000	66,920	389,650	68348,310	-67956,660
1149+0,00	0,000	3,190	0,000	65,520	389,650	68413,830	-68024,180
1150+0,00	0,000	2,790	0,000	59,850	389,650	68473,680	-68084,030
1151+0,00	0,000	3,000	0,000	58,020	389,650	68531,690	-68142,040
1152+0,00	0,000	3,050	0,000	60,500	389,650	68592,190	-68202,540
1153+0,00	0,000	3,000	0,000	60,500	389,650	68653,000	-68263,350
1154+0,00	0,000	2,870	0,000	58,700	389,650	68711,700	-68322,140
1155+0,00	0,000	3,110	0,000	59,810	389,650	68771,510	-68381,870
1156+0,00	0,000	3,230	0,000	63,410	389,650	68834,920	-68445,330
1157+0,00	0,000	3,460	0,000	67,140	389,650	68902,120	-68512,470
1158+0,00	0,000	3,460	0,000	69,200	389,650	68971,440	-68581,790
1159+0,00	0,000	3,530	0,000	69,700	389,650	69041,200	-68651,550
1160+0,00	0,000	3,090	0,000	66,190	389,650	69107,390	-68717,740
1161+0,00	0,000	3,350	0,000	64,400	389,650	69171,740	-68782,090
1162+0,00	0,000	2,950	0,000	63,000	389,650	69235,840	-68846,190
1163+0,00	0,000	2,530	0,000	54,800	389,650	69290,690	-68901,040
1164+0,00	0,000	2,460	0,000	49,850	389,650	69340,540	-68950,890
1165+0,00	0,000	2,480	0,000	49,400	389,650	69389,940	-69000,290
1166+0,00	0,000	2,270	0,000	47,500	389,650	69437,440	-69047,790
1167+0,00	0,000	2,760	0,000	50,300	389,650	69487,740	-69098,090
1168+0,00	0,000	2,710	0,000	54,700	389,650	69542,440	-69152,790
1169+0,00	0,000	3,000	0,000	57,100	389,650	69599,540	-69209,890
1170+0,00	0,000	2,970	0,000	59,700	389,650	69659,240	-69269,590
1171+0,00	0,010	2,470	0,000	54,400	389,700	69713,640	-69323,940
1172+0,00	0,000	2,640	0,070	51,100	389,770	69764,740	-69374,970
1173+0,00	0,000	0,000	0,030	26,400	389,810	69791,140	-69401,330
1174+0,00	0,000	2,600	0,000	26,000	389,810	69817,140	-69427,330
1175+0,00	0,000	0,000	0,000	26,000	389,810	69843,140	-69453,330
1176+0,00	0,000	1,550	0,010	15,500	389,810	69858,640	-69468,830
1177+0,00	0,180	1,000	0,020	24,800	389,830	69883,440	-69493,610
1178+0,00	0,010	3,010	0,010	40,100	389,850	69923,540	-69533,690
1179+0,00	0,000	3,210	0,000	61,200	389,850	69984,740	-69594,890
1180+0,00	0,000	3,200	0,000	64,100	389,850	70048,840	-69658,990
1181+0,00	0,010	2,850	0,030	60,500	389,880	70109,340	-69719,460
1182+0,00	0,000	2,810	0,000	56,600	389,880	70165,940	-69776,060
1183+0,00	0,000	2,830	0,000	56,400	389,880	70222,340	-69832,460
1184+0,00	0,000	3,020	0,000	58,500	389,880	70280,840	-69890,960
1185+0,00	0,000	2,970	0,000	59,900	389,880	70340,740	-69950,860
1186+0,00	0,000	3,010	0,000	59,800	389,880	70400,540	-70010,660
1187+0,00	0,000	2,990	0,000	60,000	389,880	70460,540	-70070,660
1188+0,00	0,000	3,000	0,000	59,900	389,880	70520,440	-70130,560
1189+0,00	0,000	2,910	0,000	59,100	389,880	70579,540	-70189,660
1190+0,00	0,000	2,910	0,000	58,200	389,880	70637,740	-70247,860
1191+0,00	0,000	2,940	0,000	58,500	389,880	70696,240	-70306,360
1192+0,00	0,000	3,000	0,000	59,400	389,880	70755,640	-70365,760
1193+0,00	0,000	2,990	0,000	59,900	389,880	70815,540	-70425,660
1194+0,00	0,000	2,910	0,000	59,000	389,880	70874,540	-70484,660
1195+0,00	0,000	2,970	0,000	58,800	389,880	70933,340	-70543,460
1196+0,00	0,000	3,000	0,000	59,700	389,880	70993,040	-70603,160
1197+0,00	0,000	2,950	0,000	59,500	389,880	71052,540	-70662,660
1198+0,00	0,000	2,910	0,000	58,600	389,880	71111,140	-70721,260
1199+0,00	0,000	2,910	0,000	58,200	389,880	71169,340	-70779,460
1200+0,00	0,000	3,000	0,000	59,100	389,880	71228,440	-70838,560
1201+0,00	0,000	3,000	0,000	60,000	389,880	71288,440	-70898,560
1202+0,00	0,000	3,000	0,000	60,000	389,880	71348,440	-70958,560
1203+0,00	0,000	3,000	0,000	60,000	389,880	71408,440	-71018,560
1204+0,00	0,000	3,000	0,000	60,000	389,880	71468,440	-71078,560
1205+0,00	0,000	3,000	0,000	60,000	389,880	71528,440	-71138,560
1206+0,00	0,000	2,900	0,000	59,000	389,880	71587,440	-71197,560

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades - SC

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1207+0,00	0,000	3,100	0,000	[illegible]	400,010	[illegible]	-71795,730
1208+0,00	0,000	2,790	0,000	[illegible]	400,010	[illegible]	-71794,910
1209+0,00	0,000	3,960	0,000	[illegible]	400,010	[illegible]	-71793,950
1210+0,00	0,000	3,630	0,000	[illegible]	400,010	[illegible]	-71793,590
1211+0,00	0,000	3,420	0,000	[illegible]	400,010	[illegible]	-71793,350
1212+0,00	0,000	2,870	0,000	[illegible]	400,010	[illegible]	-71793,190
1213+0,00	0,000	2,830	0,000	[illegible]	400,010	[illegible]	-71793,050
1214+0,00	0,000	3,040	0,000	[illegible]	400,010	[illegible]	-71793,640
1215+0,00	0,000	2,770	0,000	[illegible]	400,010	[illegible]	-71793,590
1216+0,00	0,000	2,960	0,000	[illegible]	400,010	[illegible]	-71793,990
1217+0,00	0,000	2,860	0,000	[illegible]	400,010	[illegible]	-71793,970
1218+0,00	0,000	2,860	0,000	[illegible]	400,010	[illegible]	-71793,970
1219+0,00	0,000	2,770	0,000	[illegible]	400,010	[illegible]	-71793,890
1220+0,00	0,000	2,830	0,000	[illegible]	400,010	[illegible]	-71793,970
1221+0,00	0,000	2,810	0,000	[illegible]	400,010	[illegible]	-71793,950
1222+0,00	0,000	2,810	0,000	[illegible]	400,010	[illegible]	-71793,950
1223+0,00	0,000	2,870	0,000	[illegible]	400,010	[illegible]	-71793,990
1224+0,00	0,000	2,890	0,000	[illegible]	400,010	[illegible]	-71794,010
1225+0,00	0,000	2,870	0,000	[illegible]	400,010	[illegible]	-71794,010
1226+0,00	0,000	1,870	0,000	[illegible]	400,010	[illegible]	-71793,810
1227+0,00	0,000	2,850	0,000	[illegible]	400,010	[illegible]	-71793,990
1228+0,00	0,000	3,070	0,000	[illegible]	400,010	[illegible]	-71794,190
1229+0,00	0,000	2,990	0,000	[illegible]	400,010	[illegible]	-71794,030
1230+0,00	0,000	3,370	0,000	[illegible]	400,010	[illegible]	-71794,390
1231+0,00	0,000	3,150	0,000	[illegible]	400,010	[illegible]	-71794,190
1232+0,00	0,000	3,040	0,000	[illegible]	400,010	[illegible]	-71794,090
1233+0,00	0,000	2,980	0,000	[illegible]	400,010	[illegible]	-71794,090
1234+0,00	0,000	3,120	0,000	[illegible]	400,010	[illegible]	-71794,130
1235+0,00	0,000	3,000	0,000	[illegible]	400,010	[illegible]	-71794,010
1236+0,00	0,000	3,070	0,000	[illegible]	400,010	[illegible]	-71794,070
1237+0,00	0,000	2,910	0,000	[illegible]	400,010	[illegible]	-71793,910
1238+0,00	0,000	3,010	0,000	[illegible]	400,010	[illegible]	-71793,990
1239+0,00	0,000	2,970	0,000	[illegible]	400,010	[illegible]	-71793,950
1240+0,00	0,000	3,010	0,000	[illegible]	400,010	[illegible]	-71793,990
1241+0,00	0,000	3,050	0,000	[illegible]	400,010	[illegible]	-71794,030
1242+0,00	0,000	3,050	0,000	[illegible]	400,010	[illegible]	-71794,030
1243+0,00	0,000	3,050	0,000	[illegible]	400,010	[illegible]	-71794,030
1244+0,00	0,000	3,050	0,000	[illegible]	400,010	[illegible]	-71794,030
1245+0,00	0,000	2,970	0,000	[illegible]	400,010	[illegible]	-71793,950
1246+0,00	0,000	3,010	0,000	[illegible]	400,010	[illegible]	-71793,990
1247+0,00	0,000	3,030	0,000	[illegible]	400,010	[illegible]	-71794,010
1248+0,00	0,000	2,970	0,000	[illegible]	400,010	[illegible]	-71793,950
1249+0,00	0,000	3,010	0,000	[illegible]	400,010	[illegible]	-71793,990
1250+0,00	0,000	3,030	0,000	[illegible]	400,010	[illegible]	-71794,010
1251+0,00	0,000	2,990	0,000	[illegible]	400,010	[illegible]	-71793,970
1252+0,00	0,000	2,990	0,000	[illegible]	400,010	[illegible]	-71793,970
1253+0,00	0,000	3,030	0,000	[illegible]	400,010	[illegible]	-71794,010
1254+0,00	0,000	3,030	0,000	[illegible]	400,010	[illegible]	-71794,010
1255+0,00	0,000	3,030	0,000	[illegible]	400,010	[illegible]	-71794,010
1256+0,00	0,000	3,030	0,000	[illegible]	400,010	[illegible]	-71794,010
1257+0,00	0,000	3,030	0,000	[illegible]	400,010	[illegible]	-71794,010
1258+0,00	0,000	3,030	0,000	[illegible]	400,010	[illegible]	-71794,010
1259+0,00	0,000	3,030	0,000	[illegible]	400,010	[illegible]	-71794,010
1260+0,00	0,000	3,030	0,000	[illegible]	400,010	[illegible]	-71794,010
1261+0,00	0,000	3,030	0,000	[illegible]	400,010	[illegible]	-71794,010
1262+0,00	0,000	3,030	0,000	[illegible]	400,010	[illegible]	-71794,010
1263+0,00	0,000	3,030	0,000	[illegible]	400,010	[illegible]	-71794,010
1264+0,00	0,000	3,030	0,000	[illegible]	400,010	[illegible]	-71794,010
1265+0,00	0,000	3,030	0,000	[illegible]	400,010	[illegible]	-71794,010
1266+0,00	0,000	3,030	0,000	[illegible]	400,010	[illegible]	-71794,010
1267+0,00	0,000	3,030	0,000	[illegible]	400,010	[illegible]	-71794,010
1268+0,00	0,000	3,030	0,000	[illegible]	400,010	[illegible]	-71794,010
1269+0,00	0,000	3,030	0,000	[illegible]	400,010	[illegible]	-71794,010
1270+0,00	0,000	3,030	0,000	[illegible]	400,010	[illegible]	-71794,010

Osvaldo Leôncio da Silva [illegible]
Diretor da [illegible] de Projetos e Obras - DMPO
Secretaria de [illegible]

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1271+0,00	0,000	2,990	0,000	60,370	406,610	75624,840	-75218,230
1272+0,00	0,000	2,920	0,000	59,100	406,610	75683,940	-75277,340
1273+0,00	0,000	3,150	0,000	60,870	406,610	75744,810	-75338,210
1274+0,00	0,000	2,950	0,000	61,000	406,610	75805,810	-75399,200
1275+0,00	0,000	2,890	0,000	58,830	406,610	75864,640	-75458,030
1276+0,00	0,000	2,860	0,000	57,500	406,610	75922,140	-75515,530
1277+0,00	0,000	2,900	0,000	57,600	406,610	75979,740	-75573,130
1278+0,00	0,000	2,890	0,000	57,870	406,610	76037,610	-75631,000
1279+0,00	0,000	2,850	0,000	57,400	406,610	76095,010	-75688,400
1280+0,00	0,000	2,870	0,000	57,200	406,610	76152,210	-75745,600
1281+0,00	0,000	2,830	0,000	56,700	406,610	76208,910	-75802,300
1282+0,00	0,000	2,830	0,000	56,600	406,610	76265,510	-75858,900
1283+0,00	0,000	2,810	0,000	56,400	406,610	76321,910	-75915,300
1284+0,00	0,000	2,790	0,000	56,000	406,610	76377,910	-75971,300
1285+0,00	0,000	2,930	0,000	57,200	406,610	76435,110	-76028,500
1286+0,00	0,000	3,050	0,000	59,800	406,610	76494,910	-76088,300
1287+0,00	0,000	3,010	0,000	60,600	406,610	76555,510	-76148,900
1288+0,00	0,000	2,960	0,000	59,700	406,610	76615,210	-76208,600
1289+0,00	0,000	2,940	0,000	58,900	406,610	76674,110	-76267,500
1290+0,00	0,000	4,130	0,000	70,700	406,610	76744,810	-76338,200
1291+0,00	0,000	4,260	0,000	83,900	406,610	76828,710	-76422,100
1292+0,00	0,000	3,420	0,000	76,800	406,610	76905,510	-76498,900
1293+0,00	0,000	2,970	0,000	63,900	406,610	76969,410	-76562,800
1294+0,00	0,000	2,900	0,000	58,700	406,610	77028,110	-76621,500
1295+0,00	0,000	2,790	0,000	56,900	406,610	77085,010	-76678,400
1296+0,00	0,000	2,840	0,000	56,300	406,610	77141,310	-76734,700
1297+0,00	0,000	2,840	0,000	56,800	406,610	77198,110	-76791,500
1298+0,00	0,000	2,840	0,000	56,800	406,610	77254,910	-76848,300
1299+0,00	0,000	2,870	0,000	57,100	406,610	77312,010	-76905,400
1300+0,00	0,000	2,790	0,000	56,600	406,610	77368,610	-76962,000
1301+0,00	0,000	2,940	0,000	57,300	406,610	77425,910	-77019,300
1302+0,00	0,000	2,890	0,000	58,300	406,610	77484,210	-77077,600
1303+0,00	0,000	2,950	0,000	58,400	406,610	77542,610	-77136,000
1304+0,00	0,000	2,960	0,000	59,100	406,610	77601,710	-77195,100
1305+0,00	0,000	2,970	0,000	59,300	406,610	77661,010	-77254,400
1306+0,00	0,000	2,950	0,000	59,200	406,610	77720,210	-77313,600
1307+0,00	0,000	2,950	0,000	59,000	406,610	77779,210	-77372,600
1308+0,00	0,000	2,930	0,000	58,800	406,610	77838,010	-77431,400
1309+0,00	0,000	2,900	0,000	58,300	406,610	77896,310	-77489,700
1310+0,00	0,000	2,790	0,000	56,900	406,610	77953,210	-77546,600
1311+0,00	0,000	2,870	0,000	56,600	406,610	78009,810	-77603,200
1312+0,00	0,000	2,880	0,000	57,500	406,610	78067,310	-77660,700
1313+0,00	0,000	2,770	0,000	56,500	406,610	78123,810	-77717,200
1314+0,00	0,000	2,760	0,000	55,300	406,610	78179,110	-77772,500
1315+0,00	0,000	2,750	0,000	55,100	406,610	78234,210	-77827,600
1316+0,00	0,000	2,100	0,000	48,500	406,610	78282,710	-77876,100
1317+0,00	0,000	2,100	0,000	42,000	406,610	78324,710	-77918,100
1318+0,00	0,000	2,070	0,000	41,700	406,610	78366,410	-77959,800
1319+0,00	0,000	2,000	0,000	40,700	406,610	78407,110	-78000,500
1320+0,00	0,110	0,000	0,550	20,000	407,160	78427,110	-78019,950
1321+0,00	0,420	0,000	2,650	0,000	409,810	78427,110	-78017,300
1322+0,00	0,750	0,000	5,850	0,000	415,660	78427,110	-78011,450
1323+0,00	0,000	0,000	3,750	0,000	419,410	78427,110	-78007,700
1324+0,00	0,000	0,000	0,000	0,000	419,410	78427,110	-78007,700
1325+0,00	0,000	0,000	0,000	0,000	419,410	78427,110	-78007,700
1326+0,00	0,000	0,000	0,000	0,000	419,410	78427,110	-78007,700
1327+0,00	0,000	0,000	0,000	0,000	419,410	78427,110	-78007,700
1328+0,00	0,000	0,000	0,000	0,000	419,410	78427,110	-78007,700
1329+0,00	0,000	0,000	0,000	0,000	419,410	78427,110	-78007,700
1330+0,00	0,000	0,000	0,000	0,000	419,410	78427,110	-78007,700
1331+0,00	0,000	0,000	0,000	0,000	419,410	78427,110	-78007,700
1332+0,00	0,000	0,000	0,000	0,000	419,410	78427,110	-78007,700
1333+0,00	0,000	0,000	0,000	0,000	419,410	78427,110	-78007,700
1334+0,00	0,000	0,000	0,000	0,000	419,410	78427,110	-78007,700

Osvaldo Leôncio da S... Filho
Diretor da Unidade de Projetos e Obras - CAU
Secretaria ...

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3	Volum. Corte Acum. (m3	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1335+0,00	0,000	3,070	0,000	62,980	435,120	79 08,100	-79753,010
1336+0,00	0,000	2,900	0,000	59,700	435,120	79851,800	-79816,680
1337+0,00	0,000	2,850	0,000	58,500	435,120	79910,300	-79875,180
1338+0,00	0,000	3,170	0,000	60,200	435,120	79971,100	-79936,020
1339+0,00	0,000	3,070	0,000	62,400	435,120	80033,500	-79998,420
1340+0,00	0,000	3,730	0,000	74,000	435,120	80107,500	-80072,380
1341+0,00	0,000	3,380	0,000	71,100	435,120	80178,600	-80143,480
1342+0,00	0,000	3,260	0,000	66,400	435,120	80245,000	-80209,880
1343+0,00	0,000	3,050	0,000	63,100	435,120	80308,100	-80273,010
1344+0,00	0,000	3,200	0,000	62,500	435,120	80370,600	-80335,480
1345+0,00	0,000	2,930	0,000	59,300	435,120	80429,900	-80394,780
1346+0,00	0,000	2,870	0,000	58,000	435,120	80487,900	-80452,780
1347+0,00	0,000	2,710	0,000	55,800	435,120	80543,700	-80508,580
1348+0,00	0,000	3,460	0,000	61,700	435,120	80605,400	-80570,280
1349+0,00	0,000	3,470	0,000	69,300	435,120	80674,700	-80639,580
1350+0,00	0,000	3,440	0,000	69,100	435,120	80743,800	-80708,680
1351+0,00	0,000	3,060	0,000	65,000	435,120	80808,800	-80773,680
1352+0,00	0,000	3,500	0,000	71,700	435,120	80880,500	-80845,380
1353+0,00	0,000	2,960	0,000	64,600	435,120	80945,100	-80909,980
1354+0,00	0,000	3,000	0,000	59,600	435,120	81004,700	-80969,580
1355+0,00	0,000	3,000	0,000	60,000	435,120	81064,700	-81029,480
1356+0,00	0,000	2,960	0,000	59,600	435,120	81124,300	-81089,180
1357+0,00	0,000	2,730	0,000	56,900	435,120	81181,200	-81146,080
1358+0,00	0,000	2,950	0,000	56,800	435,120	81238,000	-81202,880
1359+0,00	0,000	3,000	0,000	59,500	435,120	81297,500	-81262,380
1360+0,00	0,000	3,040	0,000	60,400	435,120	81357,900	-81322,780
1361+0,00	0,000	2,960	0,000	60,000	435,120	81417,900	-81382,780
1362+0,00	0,000	2,920	0,000	58,800	435,120	81476,700	-81441,580
1363+0,00	0,000	2,920	0,000	58,400	435,120	81535,100	-81499,980
1364+0,00	0,000	2,910	0,000	58,300	435,120	81593,400	-81558,280
1365+0,00	0,000	2,910	0,000	58,200	435,120	81651,600	-81616,480
1366+0,00	0,000	2,790	0,000	57,000	435,120	81708,600	-81673,480
1367+0,00	0,000	2,900	0,000	56,900	435,120	81765,500	-81730,380
1368+0,00	0,000	3,010	0,000	59,100	435,120	81824,600	-81789,480
1369+0,00	0,000	3,060	0,000	60,700	435,120	81885,300	-81850,180
1370+0,00	0,000	3,040	0,000	60,800	435,120	81946,100	-81911,080
1371+0,00	0,000	3,070	0,000	61,100	435,120	82007,200	-81971,980
1372+0,00	0,000	3,060	0,000	61,300	435,120	82068,500	-82032,880
1373+0,00	0,000	3,110	0,000	61,700	435,120	82130,200	-82093,780
1374+0,00	0,000	3,080	0,000	61,900	435,120	82192,100	-82155,680
1375+0,00	0,000	3,090	0,000	61,700	435,120	82253,800	-82217,580
1376+0,00	0,000	3,080	0,000	61,700	435,120	82315,500	-82279,480
1377+0,00	0,000	3,060	0,000	61,400	435,120	82376,900	-82341,380
1378+0,00	0,000	3,060	0,000	61,200	435,120	82438,100	-82403,280
1379+0,00	0,000	3,060	0,000	61,200	435,120	82499,300	-82464,180
1380+0,00	0,000	3,060	0,000	61,200	435,120	82560,500	-82525,080
1381+0,00	0,000	3,060	0,000	61,200	435,120	82621,700	-82585,980
1382+0,00	0,000	3,060	0,000	61,200	435,120	82682,900	-82646,880
1383+0,00	0,000	3,060	0,000	61,200	435,120	82744,100	-82707,780
1384+0,00	0,000	3,060	0,000	61,200	435,120	82805,300	-82768,680
1385+0,00	0,000	3,060	0,000	61,200	435,120	82866,500	-82829,580
1386+0,00	0,000	3,060	0,000	61,200	435,120	82927,700	-82890,480
1387+0,00	0,000	3,060	0,000	61,200	435,120	82988,900	-82951,380
1388+0,00	0,000	3,060	0,000	61,200	435,120	83050,100	-83012,280
1389+0,00	0,000	3,060	0,000	61,200	435,120	83111,300	-83073,180
1390+0,00	0,000	3,060	0,000	61,200	435,120	83172,500	-83134,080
1391+0,00	0,000	3,060	0,000	61,200	435,120	83233,700	-83194,980
1392+0,00	0,000	3,060	0,000	61,200	435,120	83294,900	-83255,880
1393+0,00	0,000	3,060	0,000	61,200	435,120	83356,100	-83316,780
1394+0,00	0,000	3,060	0,000	61,200	435,120	83417,300	-83377,680
1395+0,00	0,000	3,060	0,000	61,200	435,120	83478,500	-83438,580
1396+0,00	0,000	3,060	0,000	61,200	435,120	83539,700	-83499,480
1397+0,00	0,000	3,060	0,000	61,200	435,120	83600,900	-83560,380
1398+0,00	0,000	3,060	0,000	61,200	435,120	83662,100	-83621,280

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas, Projetos e Obras - DUPPO
Secretaria das Cidades (Secid)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1399+0,00	0,290	2,490	6,340	52,680	456,720	83124,800	-82668,140
1400+0,00	0,110	2,670	3,940	51,600	460,660	83176,400	-82715,800
1401+0,00	0,110	2,550	2,170	51,600	462,830	83228,000	-82765,240
1402+0,00	0,160	3,370	2,660	59,200	465,490	83287,200	-82821,740
1403+0,00	0,140	3,130	3,000	65,000	468,490	83352,200	-82883,790
1404+0,00	0,150	3,010	2,880	61,400	471,370	83413,600	-82942,290
1405+0,00	0,250	3,530	4,070	72,600	475,440	83486,200	-83010,860
1406+0,00	0,210	3,020	4,570	65,470	479,720	83551,670	-83071,950
1407+0,00	0,000	2,940	2,110	59,620	481,830	83611,290	-83129,460
1408+0,00	0,000	3,010	0,000	59,510	481,830	83670,800	-83188,970
1409+0,00	0,000	2,960	0,000	59,700	481,830	83730,500	-83248,670
1410+0,00	0,000	2,900	0,000	58,600	481,830	83789,100	-83307,270
1411+0,00	0,010	2,850	0,100	57,500	481,930	83846,600	-83364,670
1412+0,00	0,010	2,800	0,210	56,750	482,140	83903,350	-83421,210
1413+0,00	0,000	3,140	0,100	61,400	482,240	83964,750	-83482,510
1414+0,00	0,000	3,440	0,000	65,800	482,240	84030,550	-83548,310
1415+0,00	0,000	3,010	0,000	64,500	482,240	84095,050	-83612,810
1416+0,00	0,000	2,960	0,000	59,700	482,240	84154,750	-83672,510
1417+0,00	0,000	3,000	0,000	59,600	482,240	84214,350	-83732,110
1418+0,00	0,130	2,110	0,130	51,100	482,370	84265,450	-83783,080
1419+0,00	0,000	2,040	0,130	41,500	482,500	84306,950	-83824,450
1420+0,00	0,000	2,010	0,000	40,500	482,500	84347,450	-83864,950
1421+0,00	0,000	2,010	0,000	40,200	482,500	84387,650	-83905,150
1422+0,00	0,000	2,010	0,000	40,200	482,500	84427,850	-83945,350
1423+0,00	1,270	0,000	12,700	20,100	495,200	84447,950	-83952,750
1424+0,00	0,280	0,000	15,500	0,000	510,700	84447,950	-83937,250
1425+0,00	0,000	2,010	2,800	20,100	513,500	84468,050	-83954,550
1426+0,00	0,000	2,010	0,000	20,100	513,500	84488,150	-83974,650
1427+0,00	0,000	2,000	0,000	20,100	513,500	84508,250	-83994,750
1428+0,00	0,000	2,000	0,000	20,000	513,500	84528,250	-84014,750
1429+0,00	0,000	2,000	0,000	20,000	513,500	84548,250	-84034,750
1430+0,00	0,000	2,000	0,000	20,000	513,500	84568,250	-84054,750
1431+0,00	0,000	2,000	0,000	20,000	513,500	84588,250	-84074,750
1432+0,00	0,000	2,000	0,000	20,000	513,500	84608,250	-84094,750
1433+0,00	0,000	2,000	0,000	20,000	513,500	84628,250	-84114,750
1434+0,00	0,000	2,000	0,000	20,000	513,500	84648,250	-84134,750
1435+0,00	0,000	2,000	0,000	20,000	513,500	84668,250	-84154,750
1436+0,00	0,000	2,000	0,000	20,000	513,500	84688,250	-84174,750
1437+0,00	0,000	2,000	0,000	20,000	513,500	84708,250	-84194,750
1438+0,00	0,000	2,000	0,000	20,000	513,500	84728,250	-84214,750
1439+0,00	0,000	2,000	0,000	20,000	513,500	84748,250	-84234,750
1440+0,00	0,000	2,000	0,000	20,000	513,500	84768,250	-84254,750
1441+0,00	0,000	2,000	0,000	20,000	513,500	84788,250	-84274,750
1442+0,00	0,000	2,000	0,000	20,000	513,500	84808,250	-84294,750
1443+0,00	0,000	2,000	0,000	20,000	513,500	84828,250	-84314,750
1444+0,00	0,000	2,000	0,000	20,000	513,500	84848,250	-84334,750
1445+0,00	0,000	2,000	0,000	20,000	513,500	84868,250	-84354,750
1446+0,00	0,000	2,000	0,000	20,000	513,500	84888,250	-84374,750
1447+0,00	0,000	2,000	0,000	20,000	513,500	84908,250	-84394,750
1448+0,00	0,000	2,000	0,000	20,000	513,500	84928,250	-84414,750
1449+0,00	0,000	2,000	0,000	20,000	513,500	84948,250	-84434,750
1450+0,00	0,000	2,000	0,000	20,000	513,500	84968,250	-84454,750
1451+0,00	0,000	2,000	0,000	20,000	513,500	84988,250	-84474,750
1452+0,00	0,000	2,000	0,000	20,000	513,500	85008,250	-84494,750
1453+0,00	0,000	2,000	0,000	20,000	513,500	85028,250	-84514,750
1454+0,00	0,000	2,000	0,000	20,000	513,500	85048,250	-84534,750
1455+0,00	0,000	2,000	0,000	20,000	513,500	85068,250	-84554,750
1456+0,00	0,000	2,000	0,000	20,000	513,500	85088,250	-84574,750
1457+0,00	0,000	2,000	0,000	20,000	513,500	85108,250	-84594,750
1458+0,00	0,000	2,000	0,000	20,000	513,500	85128,250	-84614,750
1459+0,00	0,000	2,000	0,000	20,000	513,500	85148,250	-84634,750
1460+0,00	0,000	2,000	0,000	20,000	513,500	85168,250	-84654,750
1461+0,00	0,000	2,000	0,000	20,000	513,500	85188,250	-84674,750
1462+0,00	0,000	2,000	0,000	20,000	513,500	85208,250	-84694,750

Osvaldo Leônicio da Silva Filho
Diretoria de [illegible]
Projetos e Obras
Secretaria [illegible]

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1463+0,00	0,000	2,180	0,000	503,00	615,700	86227,750	-85611,950
1464+0,00	0,000	3,320	0,000	577,00	615,700	86804,750	-86189,050
1465+0,00	0,000	3,200	0,000	651,00	615,700	87455,750	-86840,050
1466+0,00	0,000	3,080	0,000	725,00	615,700	88180,750	-87565,050
1467+0,00	0,000	2,960	0,000	799,00	615,700	88979,750	-88364,050
1468+0,00	0,000	3,000	0,000	853,00	615,700	89832,750	-89217,050
1469+0,00	0,000	2,850	0,000	887,00	615,700	90719,750	-90104,050
1470+0,00	0,000	3,100	0,000	895,00	615,700	91614,750	-90999,050
1471+0,00	0,000	3,140	0,000	924,00	615,700	92538,750	-91923,050
1472+0,00	0,000	2,930	0,000	953,00	615,700	93491,750	-92876,050
1473+0,00	0,000	2,950	0,000	971,00	615,700	94462,750	-93847,050
1474+0,00	0,000	2,870	0,000	982,00	615,700	95444,750	-94829,050
1475+0,00	0,000	2,790	0,000	983,00	615,700	96427,750	-95812,050
1476+0,00	0,000	2,900	0,000	979,00	615,700	97406,750	-96791,050
1477+0,00	0,000	3,010	0,000	991,00	615,700	98397,750	-97782,050
1478+0,00	0,000	2,960	0,000	997,00	615,700	99394,750	-98779,050
1479+0,00	0,000	2,900	0,000	993,00	615,700	100387,750	-99772,050
1480+0,00	0,000	1,770	0,000	933,00	615,700	101320,750	-100705,050
1481+0,00	0,000	0,000	0,000	443,00	615,700	101763,750	-101148,050
1482+0,00	0,000	2,000	0,000	353,00	615,700	102116,750	-101501,050
1483+0,00	0,000	2,340	0,000	434,00	615,700	102550,750	-101935,050
1484+0,00	0,000	2,050	0,000	439,00	615,700	102989,750	-102374,050
1485+0,00	0,000	2,000	0,000	405,00	615,700	103394,750	-102779,050
1486+0,00	0,000	2,000	0,000	400,00	615,700	103794,750	-103179,050
1487+0,00	0,000	2,150	0,000	415,00	615,700	104209,750	-103594,050
1488+0,00	0,000	2,250	0,000	440,00	615,700	104649,750	-104034,050
1489+0,00	0,000	2,210	0,000	446,00	615,700	105095,750	-104480,050
1490+0,00	0,000	2,000	0,000	421,00	615,700	105516,750	-104901,050
1491+0,00	0,000	2,210	0,000	421,00	615,700	105937,750	-105322,050
1492+0,00	0,000	2,210	0,000	442,00	615,700	106379,750	-105764,050
1493+0,00	0,000	2,210	0,000	442,00	615,700	106821,750	-106206,050
1494+0,00	0,000	2,210	0,000	442,00	615,700	107263,750	-106648,050
1495+0,00	0,000	2,210	0,000	442,00	615,700	107705,750	-107090,050
1496+0,00	0,000	2,210	0,000	442,00	615,700	108147,750	-107532,050
1497+0,00	0,000	2,210	0,000	442,00	615,700	108589,750	-107974,050
1498+0,00	0,000	2,210	0,000	442,00	615,700	109031,750	-108416,050
1499+0,00	0,000	2,210	0,000	442,00	615,700	109473,750	-108858,050
1500+0,00	0,000	2,210	0,000	442,00	615,700	109915,750	-109300,050
1501+0,00	0,000	2,210	0,000	442,00	615,700	110357,750	-109742,050
1502+0,00	0,000	2,210	0,000	442,00	615,700	110799,750	-110184,050
1503+0,00	0,000	2,210	0,000	442,00	615,700	111241,750	-110626,050
1504+0,00	0,000	2,210	0,000	442,00	615,700	111683,750	-111068,050
1505+0,00	0,000	2,210	0,000	442,00	615,700	112125,750	-111510,050
1506+0,00	0,000	2,210	0,000	442,00	615,700	112567,750	-111952,050
1507+0,00	0,000	2,210	0,000	442,00	615,700	113009,750	-112394,050
1508+0,00	0,000	2,210	0,000	442,00	615,700	113451,750	-112836,050
1509+0,00	0,000	2,210	0,000	442,00	615,700	113893,750	-113278,050
1510+0,00	0,000	2,210	0,000	442,00	615,700	114335,750	-113720,050
1511+0,00	0,000	2,210	0,000	442,00	615,700	114777,750	-114162,050
1512+0,00	0,000	2,210	0,000	442,00	615,700	115219,750	-114604,050
1513+0,00	0,000	2,210	0,000	442,00	615,700	115661,750	-115046,050
1514+0,00	0,000	2,210	0,000	442,00	615,700	116103,750	-115488,050
1515+0,00	0,000	2,210	0,000	442,00	615,700	116545,750	-115930,050
1516+0,00	0,000	2,210	0,000	442,00	615,700	116987,750	-116372,050
1517+0,00	0,000	2,210	0,000	442,00	615,700	117429,750	-116814,050
1518+0,00	0,000	2,210	0,000	442,00	615,700	117871,750	-117256,050
1519+0,00	0,000	2,210	0,000	442,00	615,700	118313,750	-117698,050
1520+0,00	0,000	2,210	0,000	442,00	615,700	118755,750	-118140,050
1521+0,00	0,000	2,210	0,000	442,00	615,700	119197,750	-118582,050
1522+0,00	0,000	2,210	0,000	442,00	615,700	119639,750	-119024,050
1523+0,00	0,000	2,210	0,000	442,00	615,700	120081,750	-119466,050
1524+0,00	0,000	2,210	0,000	442,00	615,700	120523,750	-119908,050
1525+0,00	0,000	2,210	0,000	442,00	615,700	120965,750	-120350,050
1526+0,00	0,000	2,210	0,000	442,00	615,700	121407,750	-120792,050

Osvaldo Leôncio da Silva Neto
Diretor da Unidade de Programas, Projetos e Obras - DUPPO
Secretaria das Cidades (Social)

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Co... Acum. (m3)	Volum A... Acum.	Lib... (m3)
1527+0,00							
1528+0,00							
1529+0,00							
1530+0,00							
1531+0,00							
1532+0,00							
1533+0,00							
1534+0,00							
1535+0,00							
1536+0,00							
1537+0,00							
1538+0,00							
1539+0,00							
1540+0,00							
1541+0,00							
1542+0,00							
1543+0,00							
1544+0,00							
1545+0,00							
1546+0,00							
1547+0,00							
1548+0,00							
1549+0,00							
1550+0,00							
1551+0,00							
1552+0,00							
1553+0,00							
1554+0,00							
1555+0,00							
1556+0,00							
1557+0,00							
1558+0,00							
1559+0,00							
1560+0,00							
1561+0,00							
1562+0,00							
1563+0,00							
1564+0,00							
1565+0,00							
1566+0,00							
1567+0,00							
1568+0,00							
1569+0,00							
1570+0,00							
1571+0,00							
1572+0,00							
1573+0,00							
1574+0,00							
1575+0,00							
1576+0,00							
1577+0,00							
1578+0,00							
1579+0,00							
1580+0,00							
1581+0,00							
1582+0,00							
1583+0,00							
1584+0,00							
1585+0,00							
1586+0,00							
1587+0,00							
1588+0,00							
1589+0,00							
1590+0,00							
1591+0,00							
1592+0,00							

Osvaldo Leonardo da Silva Filho
Diretor da Unidade de Projetos
Projetos e Obras - SMS
Secretaria das Cidades - SMS

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum. Aterro Acum. (m3)	Extensão (m)
1594+0,00							
1595+0,00							
1596+0,00							
1597+0,00							
1598+0,00							
1599+0,00							
1600+0,00							
1601+0,00							
1602+0,00							
1603+0,00							
1604+0,00							
1605+0,00							
1606+0,00							
1607+0,00							
1608+0,00							
1609+0,00							
1610+0,00							
1611+0,00							
1612+0,00							
1613+0,00							
1614+0,00							
1615+0,00							
1616+0,00							
1617+0,00							
1618+0,00							
1619+0,00							
1620+0,00							
1621+0,00							
1622+0,00							
1623+0,00							
1624+0,00							
1625+0,00							
1626+0,00							
1627+0,00							
1628+0,00							
1629+0,00							
1630+0,00							
1631+0,00							
1632+0,00							
1633+0,00							
1634+0,00							
1635+0,00							
1636+0,00							
1637+0,00							
1638+0,00							
1639+0,00							
1640+0,00							
1641+0,00							
1642+0,00							
1643+0,00							
1644+0,00							
1645+0,00							
1646+0,00							
1647+0,00							
1648+0,00							
1649+0,00							
1650+0,00							
1651+0,00							
1652+0,00							
1653+0,00							
1654+0,00							

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPRO
Secretaria de Infraestrutura

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1655+0,00	0,000	2,020	0,000	50,500	616,420	96205,500	-95589,110
1656+0,00	0,000	2,020	0,000	50,500	616,420	96256,000	-95639,470
1657+0,00	0,000	2,020	0,000	50,500	616,420	96306,500	-95690,080
1658+0,00	0,000	2,020	0,000	50,500	616,420	96357,000	-95740,690
1659+0,00	0,000	2,020	0,000	50,500	616,420	96407,500	-95791,300
1660+0,00	0,000	2,310	0,000	50,800	616,420	96458,300	-95841,930
1661+0,00	0,000	2,900	0,000	52,100	616,420	96510,400	-95894,000
1662+0,00	0,000	3,120	0,000	60,200	616,420	96570,600	-95954,200
1663+0,00	0,000	3,140	0,000	62,600	616,420	96633,200	-96016,800
1664+0,00	0,000	3,000	0,000	61,400	616,420	96694,600	-96078,200
1665+0,00	0,000	3,000	0,000	60,000	616,420	96754,600	-96138,200
1666+0,00	0,000	3,100	0,000	61,000	616,420	96815,600	-96199,200
1667+0,00	0,000	2,960	0,000	60,600	616,420	96876,200	-96259,810
1668+0,00	0,000	2,930	0,000	58,900	616,420	96935,100	-96318,680
1669+0,00	0,000	3,000	0,000	59,300	616,420	96994,400	-96377,980
1670+0,00	0,000	3,010	0,000	60,100	616,420	97054,500	-96438,080
1671+0,00	0,000	2,980	0,000	59,900	616,420	97114,400	-96497,980
1672+0,00	0,000	2,770	0,000	57,500	616,420	97171,900	-96555,480
1673+0,00	0,000	2,900	0,000	56,700	616,420	97228,600	-96612,180
1674+0,00	0,000	2,970	0,000	58,700	616,420	97287,300	-96670,880
1675+0,00	0,000	2,992	0,000	59,620	616,420	97346,920	-96730,500
1676+0,00	0,000	3,000	0,000	59,920	616,420	97406,840	-96790,420
1677+0,00	0,000	3,150	0,000	61,500	616,420	97468,340	-96851,920
1678+0,00	0,000	3,240	0,000	63,900	616,420	97532,240	-96915,820
1679+0,00	0,000	3,000	0,000	62,400	616,420	97594,640	-96978,220
1680+0,00	0,000	3,075	0,000	60,750	616,420	97655,390	-97038,970
1681+0,00	0,000	3,040	0,000	61,150	616,420	97716,540	-97100,120
1682+0,00	0,000	3,010	0,000	60,500	616,420	97777,040	-97160,620
1683+0,00	0,000	3,100	0,000	61,100	616,420	97838,140	-97221,720
1684+0,00	0,000	2,990	0,000	60,900	616,420	97899,040	-97282,620
1685+0,00	0,000	2,950	0,000	59,400	616,420	97958,440	-97342,020
1686+0,00	0,000	2,910	0,000	58,600	616,420	98017,040	-97400,620
1687+0,00	0,000	2,870	0,000	57,800	616,420	98074,840	-97458,420
1688+0,00	0,000	2,900	0,000	57,700	616,420	98132,540	-97516,120
1689+0,00	0,000	2,900	0,000	58,000	616,420	98190,540	-97574,120
1690+0,00	0,000	3,100	0,000	60,000	616,420	98250,540	-97634,120
1691+0,00	0,000	3,040	0,000	61,400	616,420	98311,940	-97695,520
1692+0,00	0,000	3,000	0,000	60,400	616,420	98372,340	-97755,920
1693+0,00	0,000	3,000	0,000	60,000	616,420	98432,340	-97815,920
1694+0,00	0,000	3,000	0,000	60,000	616,420	98492,340	-97875,920
1695+0,00	0,000	3,000	0,000	60,000	616,420	98552,340	-97935,920
1696+0,00	0,000	3,000	0,000	60,000	616,420	98612,340	-97995,920
1697+0,00	0,000	3,000	0,000	60,000	616,420	98672,340	-98055,920
1698+0,00	0,000	3,000	0,000	60,000	616,420	98732,340	-98115,920
1699+0,00	0,000	3,000	0,000	60,000	616,420	98792,340	-98175,920
1700+0,00	0,000	2,960	0,000	59,600	616,420	98851,940	-98235,520
1701+0,00	0,000	2,940	0,000	58,900	616,420	98910,840	-98294,420
1702+0,00	0,000	3,000	0,000	59,400	616,420	98970,240	-98353,820
1703+0,00	0,000	3,000	0,000	60,000	616,420	99030,240	-98413,820
1704+0,00	0,000	2,970	0,000	59,700	616,420	99089,940	-98473,520
1705+0,00	0,000	2,980	0,000	59,500	616,420	99149,440	-98533,020
1706+0,00	0,000	3,010	0,000	59,900	616,420	99209,340	-98592,920
1707+0,00	0,000	3,000	0,000	60,100	616,420	99269,440	-98653,020
1708+0,00	0,000	3,010	0,000	60,100	616,420	99329,540	-98713,120
1709+0,00	0,000	3,000	0,000	60,100	616,420	99389,640	-98773,220
1710+0,00	0,000	3,000	0,000	60,000	616,420	99449,640	-98833,220
1711+0,00	0,000	2,970	0,000	59,700	616,420	99509,340	-98892,920
1712+0,00	0,000	2,970	0,000	59,400	616,420	99568,740	-98952,320
1713+0,00	0,000	3,000	0,000	59,700	616,420	99628,440	-99012,020
1714+0,00	0,000	2,960	0,000	59,600	616,420	99688,040	-99071,620
1715+0,00	0,000	2,940	0,000	59,000	616,420	99747,040	-99130,620
1716+0,00	0,000	2,960	0,000	59,000	616,420	99806,040	-99189,620
1717+0,00	0,000	2,970	0,000	59,300	616,420	99865,340	-99248,920
1718+0,00	0,000	2,960	0,000	59,300	616,420	99924,640	-99308,220

Osvaldo Leôncio da Silva Neto
Diretor da Unidade de Projetos
Projetos e Obras - DU
Secretaria de Obras

Estaca	Área de Corte (m²)	Área de Aterro (m²)	Volume de Corte (m3)	Volume de Aterro (m3)	Volum. Corte Acum. (m3)	Volum Aterro Acum. (m3)	Volume Líquido (m3)
1719+0,00	0,000	5,000	0,000	50,000	0,000	1018350,940	-1018350,940
1720+0,00	0,000	2,780	0,000	51,000	0,000	1018401,060	-1018401,060
1721+0,00	0,000	2,960	0,000	57,400	0,000	1018458,460	-1018458,460
1722+0,00	0,000	3,960	0,000	69,200	0,000	1018527,660	-1018527,660
1723+0,00	0,000	5,350	0,000	93,100	0,000	1018620,760	-1018620,760
1724+0,00	0,000	7,150	0,000	125,000	0,000	1018745,760	-1018745,760
1725+0,00	0,000	7,000	0,000	141,500	0,000	1018887,260	-1018887,260
1726+0,00	0,000	7,000	0,000	140,000	0,000	1019027,260	-1019027,260
1727+0,00	0,000	6,630	0,000	136,300	0,000	1019163,560	-1019163,560
1728+0,00	0,000	5,300	0,000	119,300	0,000	1019282,860	-1019282,860
1729+0,00	0,000	4,700	0,000	100,000	0,000	1019382,860	-1019382,860
1730+0,00	0,000	5,250	0,000	99,500	0,000	1019482,360	-1019482,360
1731+0,00	0,000	4,100	0,000	93,500	0,000	1019575,860	-1019575,860
1732+0,00	0,000	3,900	0,000	80,000	0,000	1019655,860	-1019655,860
1733+0,00	0,000	3,700	0,000	76,000	0,000	1019731,860	-1019731,860
1734+0,00	0,000	3,100	0,000	68,000	0,000	1019799,860	-1019799,860
1735+0,00	0,000	5,050	0,000	81,500	0,000	1019881,360	-1019881,360
1736+0,00	0,000	5,100	0,000	101,500	0,000	1019982,860	-1019982,860
1737+0,00	0,000	1,540	0,000	66,400	0,000	1020049,260	-1020049,260
1738+0,00	0,000	0,750	0,000	22,900	0,000	1020072,160	-1020072,160
1739+0,00	0,000	0,000	0,000	7,500	0,000	1020079,660	-1020079,660
1740+0,00	0,000	0,000	0,000	0,000	0,000	1020079,660	-1020079,660
1741+0,00	0,000	0,000	0,000	0,000	0,000	1020079,660	-1020079,660
1742+0,00	0,000	0,000	0,000	0,000	0,000	1020079,660	-1020079,660
1743+0,00	0,000	0,000	0,000	0,000	0,000	1020079,660	-1020079,660
1744+0,00	0,000	0,000	0,000	0,000	0,000	1020079,660	-1020079,660
1745+0,00	0,000	0,000	0,000	0,000	0,000	1020079,660	-1020079,660
1746+0,00	0,000	0,000	0,000	0,000	0,000	1020079,660	-1020079,660
1747+0,00	0,000	0,000	0,000	0,000	0,000	1020079,660	-1020079,660
1748+0,00	0,000	0,000	0,000	0,000	0,000	1020079,660	-1020079,660
1749+0,00	0,000	0,000	0,000	0,000	0,000	1020079,660	-1020079,660
1750+0,00	0,000	0,000	0,000	0,000	0,000	1020079,660	-1020079,660
1751+0,00	0,000	0,000	0,000	0,000	0,000	1020079,660	-1020079,660
1752+0,00	0,000	0,000	0,000	0,000	0,000	1020079,660	-1020079,660
1753+0,00	0,000	0,000	0,000	0,000	0,000	1020079,660	-1020079,660
1754+0,00	0,000	0,000	0,000	0,000	0,000	1020079,660	-1020079,660
1755+0,00	0,000	0,000	0,000	0,000	0,000	1020079,660	-1020079,660
1755+15,00	0,000	0,000	0,000	0,000	0,000	1020079,660	-1020079,660

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPPO
Secretaria das Cidades (Secid)

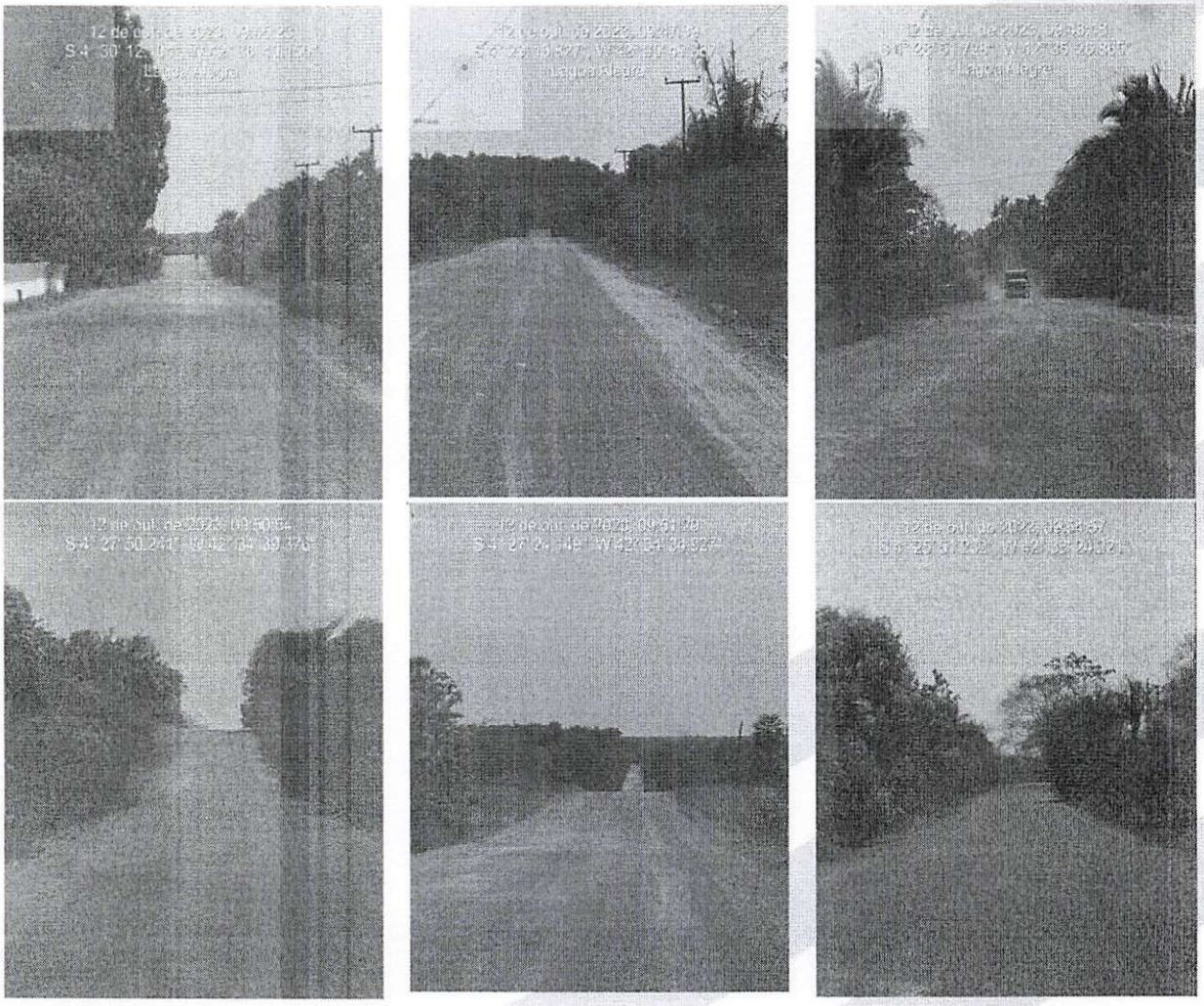
15.0 PERCURSO E SITUAÇÃO (RELATÓRIO FOTOGRÁFICO)

Rua Acésio do Rêgo Monteiro, nº 1515
Ed. Antonio Portela Barbosa
Bairro Ininga • CEP: 64052-860
Teresina • Piauí • Brasil

www.pi.gov.br
cidades@cidades.pi.gov.br

15.0 PERCURSO E SITUAÇÃO (RELATÓRIO FOTOGRÁFICO)

- **TRECHO I:** Inicia no município de Lagoa Alegre e finaliza no Entronc. PI-113 (Cabeceiras - PI)

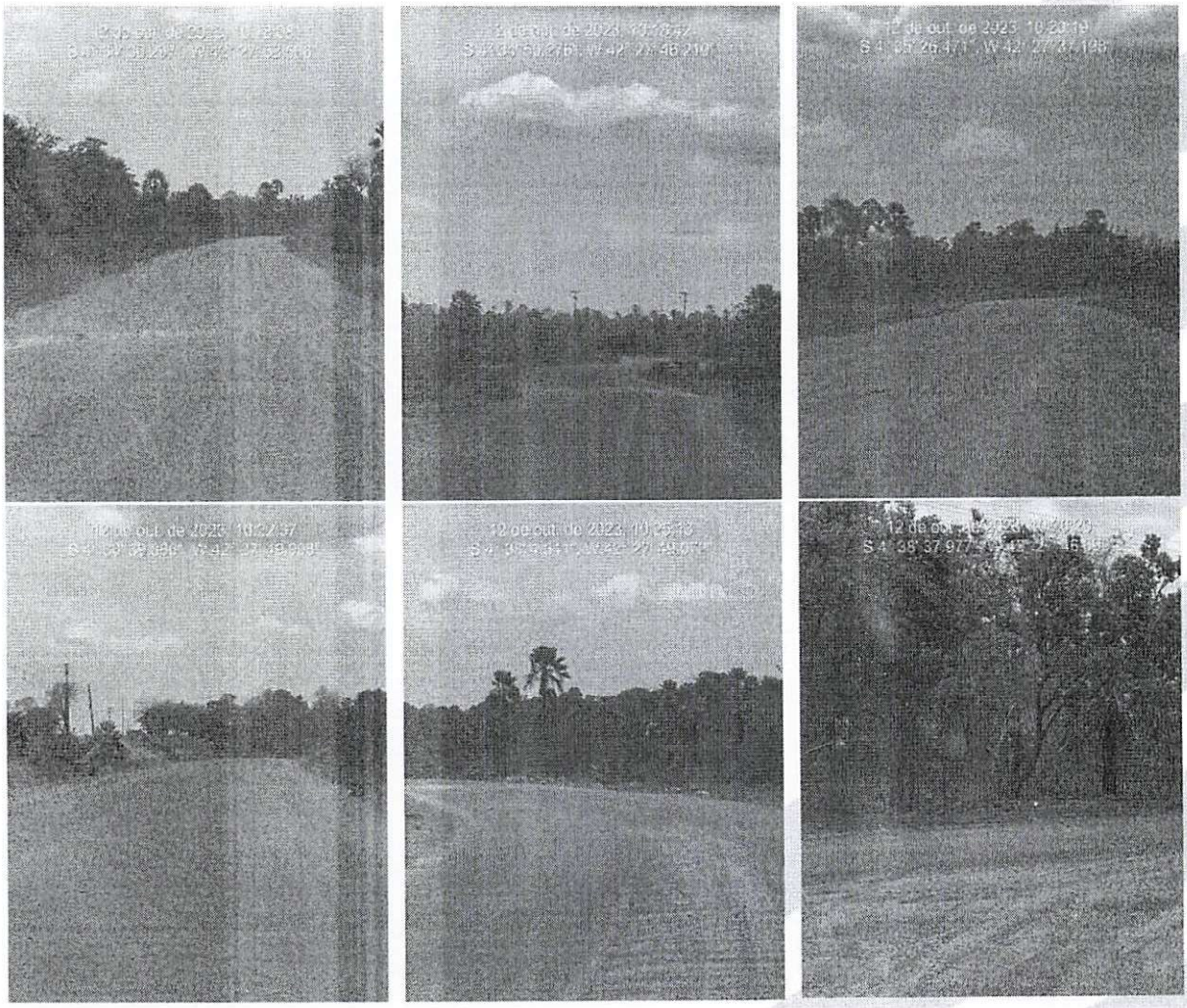


Rua Acésio do Rêgo Monteiro, nº 1515
Ed. Antonio Portela Barbosa
Bairro Ininga • CEP: 64052-860
Teresina • Piauí • Brasil

www.pi.gov.br
cidades@cidades.pi.gov.br

Osvaldo Leôncio da Silva Rabelo
Diretor da Unidade de Programas
Projetos e Gestão
Secretaria das Cidades

- **TRECHO I:** Inicia no município de Lagoa Alegre e finaliza no Entronc. PI-113 (Cabeceiras - PI)

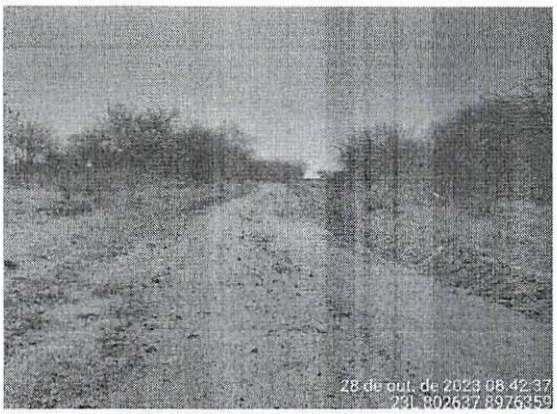


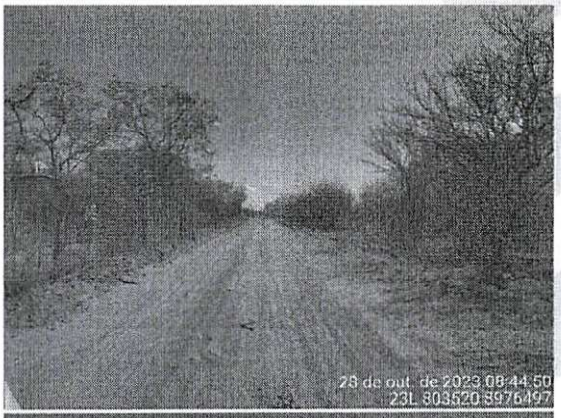
Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - UPPO
Secretaria das Cidades (SECID)

Rua Acésio do Rêgo Monteiro, nº 1515
Ed. Antonio Portela Barbosa
Bairro Ininga • CEP: 64052-860
Teresina • Piauí • Brasil

www.pi.gov.br
cidades@cidades.pi.gov.br

- **TRECHO II:** Inicia no Povoado Tanque Novo e finaliza no Povoado Laje de Pedra





Rua Acésio do Rêgo Monteiro, nº 1515
Ed. Antonio Portela Barbosa
Bairro Ininga • CEP: 64052-860
Teresina • Piauí • Brasil

www.pi.gov.br
cidades@cidades.pi.gov.br

Osvaldo Leôncio [illegible] Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - UPPO
Secretaria das Cidades (Secid)

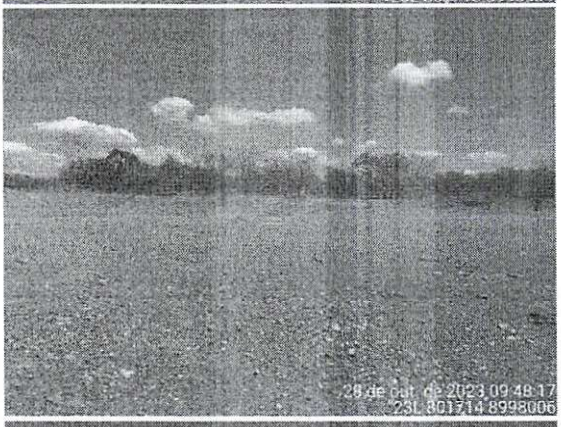
- **TRECHO III:** Inicia na PI-144 e finaliza no Povoado Laje de Pedra:

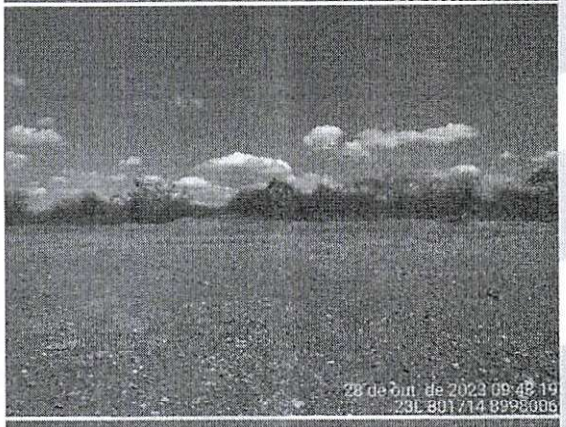
Rua Acésio do Rêgo Monteiro, nº 1515
Ed. Antonio Portela Barbosa
Bairro Ininga • CEP: 64052-860
Teresina • Piauí • Brasil

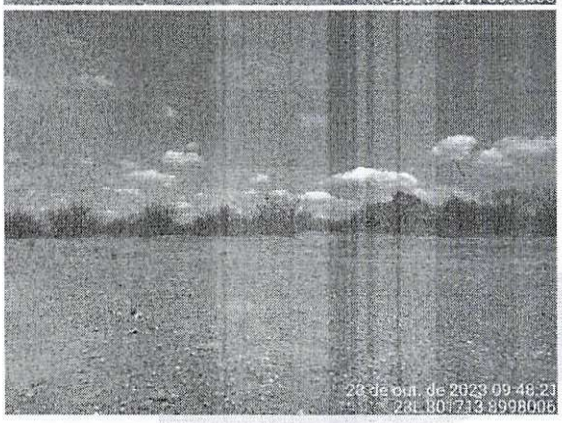
www.pi.gov.br
cidades@cidades.pi.gov.br

Osvaldo Leonc[illegible] Silva Filho
Diretor da Unidade [illegible] Programas
Projetos e Obras [illegible]
Secretaria das Cidades (Secid)

- **TRECHO IV.** Inicia na PI-114 e finaliza no Povoado Poço da Anta







Rua Acésio do Rêgo Monteiro, nº 1515
Ed. Antonio Portela Barbosa
Bairro Ininga • CEP: 64052-860
Teresina • Piauí • Brasil

www.pi.gov.br
cidades@cidades.pi.gov.br

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - UDPO
Secretaria das Cidades - SECID

- **TRECHO V.** Povoado Poço do Angico

Rua Acésio do Rêgo Monteiro, nº 1515
Ed. Antonio Portela Barbosa
Bairro Ininga • CEP: 64052-860
Teresina • Piauí • Brasil

www.pi.gov.br
cidades@cidades.pi.gov.br

Osvaldo Leoncio da Silva Filho
Diretor da Unidade de Programas
Projetos e Obras - DUPO
Secretaria das Cidades (Secid)

- **TRECHO VI.** Município de Coronel José Dias que favorece o Povoado Gangorra

Rua Acésio do Rêgo Monteiro, nº 1515
Ed. Antonio Portela Barbosa
Bairro Ininga • CEP: 64052-860
Teresina • Piauí • Brasil

www.pi.gov.br
cidades@cidades.pi.gov.br

Osvaldo Leôncio da Silva Filho
Diretor da Unidade de Programas, Projetos e Obras - DUPPO
Secretaria das Cidades (Secid)