

Nota de Serviço

Rua do Grupo 0+0.000 59+14.000

Lado Esquerdo									Eixo	Lado Direito											
P2						BORDO_SUB-BASE			Estaca	Pontos Not	Pontos Not	Cota Projeto	Cota Terreno	Cota Vermelha					P2		
Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)							Afast. (m)	Cota (m)	Incl. (%)	Afast. (m)	Cota (m)	Incl. (%)	
-2.911	140.340	179.03				-2.750	140.231	-3.00	0+0.000			140.564	140.564	0.000	2.850	140.231	0.00	2.857	140.493	3,500.00	
-2.856	140.606	3,500.00	-2.850	140.404	0.00	-2.750	140.404	-3.00	1+0.000			140.736	140.561	0.175	2.850	140.404	0.00	2.856	140.612	3,500.00	
-2.856	140.802	3,500.00	-2.850	140.577	0.00	-2.750	140.577	-3.00	2+0.000			140.909	140.794	0.115	2.850	140.577	0.00	2.856	140.788	3,500.00	
-2.860	141.115	3,500.00	-2.850	140.749	0.00	-2.750	140.749	-3.00	3+0.000		PCV	141.082	141.131	-0.049	2.850	140.749	0.00	2.862	141.166	3,500.00	
-2.859	141.256	3,500.00	-2.850	140.942	0.00	-2.750	140.942	-3.00	4+0.000			141.275	141.251	0.023	2.850	140.942	0.00	2.862	141.357	3,500.00	
-2.866	141.366	0.23	-2.850	141.189	0.00	-2.750	141.189	-3.00	5+0.000			141.522	141.322	0.199	2.850	141.189	0.00	2.859	141.494	3,500.00	
-2.873	141.365	729.44				-2.750	141.199	-3.00	5+0.730	PC		141.532	141.327	0.205	2.850	141.199	0.00	2.859	141.498	3,500.00	
-2.934	141.384	89.45				-2.750	141.310	-3.00	5+8.441			141.642	141.417	0.225	2.850	141.310	0.00	2.857	141.560	3,500.00	
-2.940	141.398	72.98				-2.750	141.333	-3.00	5+10.000			141.665	141.460	0.205	2.850	141.333	0.00	2.856	141.557	3,500.00	
-2.958	141.466	34.53				-2.750	141.428	-3.00	5+16.151	PT		141.761	141.517	0.244				2.904	141.548	222.67	
-2.945	141.547	59.52				-2.750	141.490	-3.00	6+0.000			141.823	141.565	0.257				2.921	141.584	130.85	
-2.868	142.019	978.27				-2.750	141.846	-3.00	7+0.000			142.178	141.902	0.276				2.929	141.927	102.07	
-2.862	142.471	3,500.00	-2.850	142.061	0.00	-2.750	142.061	-3.00	7+10.834	PC		142.394	142.398	-0.005	2.850	142.061	0.00	2.857	142.290	3,500.00	
-2.862	142.642	3,500.00	-2.850	142.220	0.00	-2.750	142.220	-3.00	7+18.342			142.552	142.626	-0.074	2.850	142.220	0.00	2.859	142.531	3,500.00	
-2.862	142.664	3,500.00	-2.850	142.256	0.00	-2.750	142.256	-3.00	8+0.000		PTV	142.588	142.649	-0.060	2.850	142.256	0.00	2.859	142.556	3,500.00	
-2.861	142.754	3,500.00	-2.850	142.385	0.00	-2.750	142.385	-3.00	8+5.851	PT		142.718	142.728	-0.011	2.850	142.385	0.00	2.858	142.655	3,500.00	
-2.858	142.984	3,500.00	-2.850	142.699	0.00	-2.750	142.699	-3.00	9+0.000			143.032	142.939	0.093	2.850	142.699	0.00	2.856	142.901	3,500.00	
-2.859	143.467	3,500.00	-2.850	143.144	0.00	-2.750	143.144	-3.00	10+0.000			143.476	143.486	-0.010	2.850	143.144	0.00	2.855	143.324	3,500.00	
-2.860	143.782	3,500.00	-2.850	143.430	0.00	-2.750	143.430	-3.00	10+12.905	PC		143.763	143.810	-0.047	2.850	143.430	0.00	2.859	143.730	3,500.00	
-2.860	143.793	3,500.00	-2.850	143.442	0.00	-2.750	143.442	-3.00	10+13.435			143.774	143.821	-0.047	2.850	143.442	0.00	2.859	143.748	3,500.00	
-2.860	143.803	3,500.00	-2.850	143.454	0.00	-2.750	143.454	-3.00	10+13.964	PT		143.786	143.833	-0.047	2.850	143.454	0.00	2.859	143.765	3,500.00	
-2.859	143.906	3,500.00	-2.850	143.588	0.00	-2.750	143.588	-3.00	11+0.000			143.920	143.938	-0.018	2.850	143.588	0.00	2.859	143.911	3,500.00	
-2.884	144.180	430.66				-2.750	144.032	-3.00	12+0.000			144.364	144.186	0.178	2.850	144.032	0.00	2.856	144.244	3,500.00	
-2.911	144.438	178.95				-2.750	144.329	-3.00	12+13.396	PC		144.662	144.388	0.274				2.945	144.386	59.82	
-2.910	144.586	182.52				-2.750	144.476	-3.00	13+0.000			144.809	144.525	0.284				2.979	144.483	5.16	
-2.928	144.695	105.72				-2.750	144.612	-3.00	13+6.138			144.945	144.829	0.116				2.872	144.779	758.04	
-2.952	144.745	46.26				-2.750	144.698	-3.00	13+10.000		PCV	145.031	144.719	0.311				2.867	144.873	1,054.87	
-3.038	144.823	-43.62	-2.850	144.905	0.00	-2.750	144.905	-3.00	13+18.879	PT		145.237	144.852	0.385	2.850	144.905	0.00	2.995	144.888	-11.78	
-3.053	144.827	-51.69	-2.850	144.932	0.00	-2.750	144.932	-3.00	14+0.000			145.264	144.873	0.392	2.850	144.932	0.00	2.997	144.911	-14.03	
-2.886	145.617	409.16				-2.750	145.471	-3.00	15+0.000			145.803	145.632	0.171				2.878	145.628	553.07	
-2.857	146.120	3,500.00	-2.850	145.875	0.00	-2.750	145.875	-3.00	15+13.104	PC		146.207	146.090	0.117	2.850	145.875	0.00	2.862	146.280	3,500.00	
-2.856	146.324	3,500.00	-2.850	146.104	0.00	-2.750	146.104	-3.00	16+0.000		PTV	146.436	146.408	0.029	2.850	146.104	0.00	2.864	146.591	3,500.00	
-2.863	146.888	3,500.00	-2.850	146.444	0.00	-2.750	146.444	-3.00	16+10.000			146.777	146.897	-0.121	2.850	146.444	0.00	2.863	146.884	3,500.00	
-2.862	147.097	3,500.00	-2.850	146.672	0.00	-2.750	146.672	-3.00	16+16.697			147.004	147.057	-0.052	2.850	146.672	0.00	2.862	147.100	3,500.00	
-2.861	147.175	3,500.00	-2.850	146.784	0.00	-2.750	146.784	-3.00	17+0.000			147.117	147.132	-0.015	2.850	146.784	0.00	2.861	147.178	3,500.00	
-2.858	147.396	3,500.00	-2.850	147.125	0.00	-2.750	147.125	-3.00	17+10.000			147.457	147.311	0.146	2.850	147.125	0.00	2.857	147.365	3,500.00	
-2.894	147.600	308.85				-2.750	147.465	-3.00	18+0.000			147.797	147.545	0.253				2.956	147.506	38.44	
-2.895	147.607	293.53				-2.750	147.475	-3.00	18+0.290	PT		147.807	147.553	0.255				2.948	147.527	53.63	
-2.914	148.249	162.32				-2.750	148.145	-3.00	19+0.000			148.478	148.127	0.351	2.850	148.145	0.00	3.076	148.006	-61.63	
-3.057	148.715	-53.60	-2.850	148.826	0.00	-2.750	148.826	-3.00	20+0.000			149.159	148.934	0.225	2.850	148.826	0.00	2.859	149.141	3,500.00	
-2.857	149.765	3,500.00	-2.850	149.507	0.00	-2.750	149.507	-3.00	21+0.000		PCV	149.839	149.801	0.038	2.850	149.507	0.00	2.863	149.961	3,500.00	

-2.861	150.558	3,500.00	-2.850	150.181	0.00	-2.750	150.181	-3.00	22+0.000			150.514	150.520	-0.006	2.850	150.181	0.00	2.862	150.585	3,500.00
-2.861	150.565	3,500.00	-2.850	150.196	0.00	-2.750	150.196	-3.00	22+0.454	PC		150.528	150.540	-0.011	2.850	150.196	0.00	2.861	150.594	3,500.00
-2.856	150.693	3,500.00	-2.850	150.475	0.00	-2.750	150.475	-3.00	22+10.000			150.807	150.747	0.060	2.850	150.475	0.00	2.859	150.788	3,500.00
-2.856	150.929	3,500.00	-2.850	150.721	0.00	-2.750	150.721	-3.00	23+0.000			151.054	150.934	0.120	2.850	150.721	0.00	2.855	150.913	3,500.00
-2.857	151.163	3,500.00	-2.850	150.921	0.00	-2.750	150.921	-3.00	23+10.000			151.254	151.122	0.132				2.894	151.056	308.34
-2.861	151.454	3,500.00	-2.850	151.074	0.00	-2.750	151.074	-3.00	24+0.000		PTV	151.406	151.270	0.137				2.872	151.241	768.85
-2.859	151.504	3,500.00	-2.850	151.186	0.00	-2.750	151.186	-3.00	24+10.000			151.518	151.385	0.133	2.850	151.186	0.00	2.857	151.437	3,500.00
-2.863	151.725	3,500.00	-2.850	151.256	0.00	-2.750	151.256	-3.00	24+16.613			151.588	151.702	-0.114	2.850	151.256	0.00	2.862	151.678	3,500.00
-2.864	151.770	3,500.00	-2.850	151.291	0.00	-2.750	151.291	-3.00	25+0.000			151.624	151.702	-0.078	2.850	151.291	0.00	2.861	151.684	3,500.00
-2.864	151.899	3,500.00	-2.850	151.397	0.00	-2.750	151.397	-3.00	25+10.000			151.730	151.762	-0.033	2.850	151.397	0.00	2.860	151.740	3,500.00
-2.865	152.014	3,500.00	-2.850	151.503	0.00	-2.750	151.503	-3.00	26+0.000			151.835	151.847	-0.012	2.850	151.503	0.00	2.860	151.857	3,500.00
-2.863	152.051	3,500.00	-2.850	151.609	0.00	-2.750	151.609	-3.00	26+10.000		PCV	151.941	151.942	-0.001	2.850	151.609	0.00	2.863	152.052	3,500.00
-2.861	152.105	3,500.00	-2.850	151.712	0.00	-2.750	151.712	-3.00	27+0.000			152.045	152.058	-0.013	2.850	151.712	0.00	2.863	152.157	3,500.00
-2.862	152.221	3,500.00	-2.850	151.811	0.00	-2.750	151.811	-3.00	27+10.000			152.144	152.183	-0.039	2.850	151.811	0.00	2.864	152.297	3,500.00
-2.861	152.233	3,500.00	-2.850	151.838	0.00	-2.750	151.838	-3.00	27+12.772	PCR		152.170	152.266	-0.096	2.850	151.838	0.00	2.863	152.290	3,500.00
-2.861	152.282	3,500.00	-2.850	151.906	0.00	-2.750	151.906	-3.00	28+0.000			152.238	152.298	-0.060	2.850	151.906	0.00	2.863	152.367	3,500.00
-2.863	152.439	3,500.00	-2.850	151.995	0.00	-2.750	151.995	-3.00	28+10.000			152.328	152.418	-0.090	2.850	151.995	0.00	2.865	152.505	3,500.00
-2.862	152.504	3,500.00	-2.850	152.081	0.00	-2.750	152.081	-3.00	29+0.000			152.413	152.501	-0.088	2.850	152.081	0.00	2.864	152.566	3,500.00
-2.862	152.567	3,500.00	-2.850	152.140	0.00	-2.750	152.140	-3.00	29+7.263			152.472	152.579	-0.107	2.850	152.140	0.00	2.864	152.637	3,500.00
-2.862	152.596	3,500.00	-2.850	152.161	0.00	-2.750	152.161	-3.00	29+10.000			152.494	152.623	-0.129	2.850	152.161	0.00	2.864	152.660	3,500.00
-2.861	152.617	3,500.00	-2.850	152.238	0.00	-2.750	152.238	-3.00	30+0.000			152.570	152.622	-0.052	2.850	152.238	0.00	2.865	152.750	3,500.00
-2.862	152.723	3,500.00	-2.850	152.309	0.00	-2.750	152.309	-3.00	30+10.000			152.642	152.759	-0.117	2.850	152.309	0.00	2.864	152.790	3,500.00
-2.862	152.790	3,500.00	-2.850	152.376	0.00	-2.750	152.376	-3.00	31+0.000			152.709	152.811	-0.102	2.850	152.376	0.00	2.865	152.889	3,500.00
-2.862	152.797	3,500.00	-2.850	152.387	0.00	-2.750	152.387	-3.00	31+1.754	PT		152.720	152.818	-0.098	2.850	152.387	0.00	2.865	152.896	3,500.00
-2.860	152.861	3,500.00	-2.850	152.497	0.00	-2.750	152.497	-3.00	32+0.000			152.829	152.886	-0.057	2.850	152.497	0.00	2.861	152.874	3,500.00
-2.858	152.864	3,500.00	-2.850	152.599	0.00	-2.750	152.599	-3.00	33+0.000			152.931	152.852	0.079	2.850	152.599	0.00	2.857	152.860	3,500.00
-2.926	152.769	114.47				-2.750	152.683	-3.00	34+0.000			153.015	152.830	0.185	2.850	152.683	0.00	2.857	152.929	3,500.00
-2.996	152.729	-13.20	-2.850	152.748	0.00	-2.750	152.748	-3.00	35+0.000			153.081	152.768	0.312				2.927	152.833	110.38
-2.884	152.944	437.40				-2.750	152.795	-3.00	36+0.000		PTV	153.128	152.889	0.239				2.891	152.934	334.69
-2.916	152.927	151.15				-2.750	152.827	-3.00	37+0.000			153.159	152.883	0.276				2.970	152.847	17.04
-2.850	152.856	0.00				-2.750	152.856	-3.00	38+0.000			153.188	152.896	0.292				2.908	152.969	195.39
-2.850	152.857	0.00				-2.750	152.857	-3.00	38+0.631	PC		153.189	152.897	0.293				2.892	152.994	328.39
-2.937	152.940	79.08				-2.750	152.870	-3.00	38+10.000			153.203	152.898	0.305				2.876	153.031	615.06
-2.958	152.913	35.30				-2.750	152.875	-3.00	38+12.890			153.207	152.921	0.286				2.856	153.074	3,500.00
-2.965	152.913	24.40				-2.750	152.885	-3.00	39+0.000		PCV	153.218	152.918	0.300	2.850	152.885	0.00	2.855	153.075	3,500.00
-2.947	152.951	57.12				-2.750	152.895	-3.00	39+5.149	PT		153.228	152.897	0.331				2.874	153.059	678.75
			-2.850	152.959	0.00	-2.750	152.959	-3.00	40+0.000			153.291	153.039	0.252				2.877	153.119	597.46
			-2.850	153.031	0.00	-2.750	153.031	-3.00	40+10.264	PC		153.364	153.183	0.181				2.856	153.228	3,500.00
-2.917	153.201	149.65				-2.750	153.101	-3.00	40+17.992			153.434	153.141	0.293				2.884	153.250	436.11
-2.918	153.219	143.14				-2.750	153.122	-3.00	41+0.000			153.454	153.155	0.299				2.893	153.257	311.64
			-2.850	153.185	0.00	-2.750	153.185	-3.00	41+5.720	PT	PTV	153.517	153.220	0.298				2.907	153.299	197.90
-2.855	153.553	3,500.00	-2.850	153.363	0.00	-2.750	153.363	-3.00	42+0.000			153.695	153.367	0.329				2.918	153.460	142.74
-2.904	153.735	222.46				-2.750	153.615	-3.00	43+0.000			153.948	153.750	0.198				2.903	153.736	229.64
-2.935	153.941	85.71				-2.750	153.868	-3.00	44+0.000			154.200	153.859	0.341	2.850	153.868	0.00	3.027	153.802	-37.11
-2.947	153.971	55.82				-2.750	153.917	-3.00	44+3.903	PC		154.250	153.927	0.322	2.850	153.917	0.00	3.004	153.887	-19.86
-2.974	154.008	10.87				-2.750	153.994	-3.00	44+10.000			154.327	154.033	0.293				2.970	154.014	16.36
-2.976	154.047	8.63				-2.750	154.036	-3.00	44+13.336			154.369	154.093	0.276				2.954	154.080	41.58
-2.945	154.178	60.96				-2.750	154.120	-3.00	45+0.000			154.453	154.219	0.234				2.927	154.205	111.03
-2.929	154.237	104.69				-2.750	154.155	-3.00	45+2.769	PT		154.488	154.277	0.210				2.907	154.270	202.94
-2.856	154.580	3,500.00	-2.850	154.373	0.00	-2.750	154.373	-3.00	46+0.000			154.705	154.617	0.088	2.850	154.373	0.00	2.857	154.634	3,500.00

-2.887	154.769	386.39				-2.750	154.625	-3.00	47+0.000			154.958	154.778	0.179	2.850	154.625	0.00	2.855	154.816	3,500.00
-2.877	155.037	592.18				-2.750	154.878	-3.00	48+0.000		PCV	155.210	155.034	0.176				2.874	155.042	692.00
-2.855	155.268	3,500.00	-2.850	155.080	0.00	-2.750	155.080	-3.00	49+0.000			155.413	155.238	0.175				2.873	155.245	707.86
-2.856	155.314	3,500.00	-2.850	155.097	0.00	-2.750	155.097	-3.00	49+6.697	PC		155.429	155.282	0.147	2.850	155.097	0.00	2.856	155.298	3,500.00
-2.857	155.337	3,500.00	-2.850	155.094	0.00	-2.750	155.094	-3.00	49+10.000			155.427	155.305	0.122	2.850	155.094	0.00	2.857	155.325	3,500.00
-2.859	155.361	3,500.00	-2.850	155.044	0.00	-2.750	155.044	-3.00	50+0.000			155.377	155.366	0.010	2.850	155.044	0.00	2.860	155.380	3,500.00
-2.861	155.347	3,500.00	-2.850	154.972	0.00	-2.750	154.972	-3.00	50+6.951			155.304	155.390	-0.085	2.850	154.972	0.00	2.861	155.372	3,500.00
-2.861	155.300	3,500.00	-2.850	154.930	0.00	-2.750	154.930	-3.00	50+10.000			155.262	155.347	-0.085	2.850	154.930	0.00	2.863	155.387	3,500.00
-2.860	155.106	3,500.00	-2.850	154.752	0.00	-2.750	154.752	-3.00	51+0.000			155.084	155.120	-0.036	2.850	154.752	0.00	2.862	155.160	3,500.00
-2.860	154.933	3,500.00	-2.850	154.583	0.00	-2.750	154.583	-3.00	51+7.206	PT		154.916	154.855	0.061	2.850	154.583	0.00	2.858	154.870	3,500.00
-2.876	154.364	633.59				-2.750	154.203	-3.00	52+0.000		PCV	154.535	154.399	0.136	2.850	154.203	0.00	2.857	154.442	3,500.00
-2.940	153.555	73.19				-2.750	153.489	-3.00	53+0.000			153.822	153.605	0.217	2.850	153.489	0.00	2.864	153.968	3,500.00
-2.906	152.732	205.97				-2.750	152.616	-3.00	54+0.000			152.949	152.830	0.119	2.850	152.616	0.00	2.862	153.047	3,500.00
-2.942	152.216	67.29				-2.750	152.155	-3.00	54+8.937	PC		152.487	152.312	0.175	2.850	152.155	0.00	2.861	152.553	3,500.00
-2.943	152.156	63.97				-2.750	152.097	-3.00	54+10.000			152.429	152.255	0.174	2.850	152.097	0.00	2.861	152.489	3,500.00
-2.952	151.948	46.24				-2.750	151.901	-3.00	54+13.515			152.233	152.053	0.180	2.850	151.901	0.00	2.861	152.271	3,500.00
-2.971	151.654	15.24				-2.750	151.635	-3.00	54+18.092	PCC		151.968	151.752	0.216	2.850	151.635	0.00	2.859	151.939	3,500.00
-2.984	151.521	-0.39				-2.750	151.521	-3.00	55+0.000		PTV	151.854	151.625	0.229	2.850	151.521	0.00	2.858	151.801	3,500.00
-3.035	150.818	-42.16	-2.850	150.896	0.00	-2.750	150.896	-3.00	55+10.000			151.229	150.962	0.266	2.850	150.896	0.00	2.855	151.081	3,500.00
-3.042	150.510	-45.77	-2.850	150.598	0.00	-2.750	150.598	-3.00	55+14.714			150.930	150.650	0.280				2.888	150.741	381.80
-3.004	150.232	-20.23	-2.850	150.263	0.00	-2.750	150.263	-3.00	56+0.000			150.595	150.282	0.313				2.917	150.362	147.85
-2.939	149.696	73.84				-2.750	149.630	-3.00	56+10.000			149.962	149.712	0.251				2.924	149.719	121.53
			-2.850	149.545	0.00	-2.750	149.545	-3.00	56+11.336	PCR	PCV	149.878	149.643	0.235				2.921	149.639	133.41
			-2.850	149.011	0.00	-2.750	149.011	-3.00	57+0.000			149.344	149.264	0.080	2.850	149.011	0.00	2.855	149.192	3,500.00
-2.862	148.922	3,500.00	-2.850	148.497	0.00	-2.750	148.497	-3.00	57+10.000			148.829	148.821	0.008	2.850	148.497	0.00	2.856	148.721	3,500.00
-2.862	148.896	3,500.00	-2.850	148.474	0.00	-2.750	148.474	-3.00	57+10.506			148.806	148.795	0.012	2.850	148.474	0.00	2.856	148.696	3,500.00
-2.860	148.439	3,500.00	-2.850	148.101	0.00	-2.750	148.101	-3.00	58+0.000			148.433	148.411	0.022	2.850	148.101	0.00	2.856	148.310	3,500.00
			-2.850	147.830	0.00	-2.750	147.830	-3.00	58+9.676	PT		148.163	148.087	0.075	2.850	147.830	0.00	2.858	148.094	3,500.00
-2.856	147.891	3,500.00	-2.850	147.664	0.00	-2.750	147.664	-3.00	59+0.000			147.997	147.885	0.111	2.850	147.664	0.00	2.858	147.942	3,500.00