



03 SEÇÕES TRANSVERSAIS DO CANAL
ESCALA: 1:250

NOTAS
DATUM VERTICAL - ARBITRADO
SISTEMA DE COORDENADAS - SIRGAS (WGS84)
MERIDIANO CENTRAL - 39° W GR.
PROJEÇÃO UNIVERSAL DE MERCATOR (UTM) - ZONA 24M

LEGENDA - EM PLANTA

LEGENDA - EM PERFIL

— PERFIL DO PROJETO
— PERFIL DO TERRENO

QUADRO DE CUBAÇÃO - VOLUME TOTAL							
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	2.18	0.09	0.00	0.00	0.00	0.00	0.00
0+10.00	1.83	0.22	20.04	1.56	20.04	1.56	18.48
1+0.00	2.19	0.12	20.09	1.70	40.13	3.26	36.87
1+6.51	1.52	0.28	12.06	1.31	52.19	4.57	47.62
1+10.00	2.22	0.09	6.51	0.85	58.70	5.22	53.48
2+0.00	1.18	0.49	16.99	2.90	75.69	8.12	67.57
2+10.00	1.80	0.55	14.92	5.20	90.61	13.32	77.29
2+17.74	2.93	0.00	18.29	2.13	108.90	15.45	93.45
3+0.00	2.17	0.15	5.76	0.17	114.66	15.63	99.03
3+10.00	1.49	0.28	18.33	2.11	132.99	17.74	115.25
4+0.00	1.31	0.35	13.99	3.11	146.98	20.85	126.12
4+10.00	1.32	0.34	13.11	3.43	160.09	24.29	135.80
5+0.00	0.97	0.82	11.41	5.79	171.50	30.07	141.43
5+1.00	1.01	0.79	0.99	0.81	172.49	30.88	141.61
5+4.20	1.98	0.62	4.75	2.25	177.24	33.13	144.11
5+4.24	1.98	0.57	0.08	0.02	177.32	33.16	144.17
5+10.00	2.53	0.39	13.05	2.70	190.37	35.85	154.52
6+0.00	4.90	0.17	37.14	2.79	227.51	38.64	188.86
6+10.00	7.52	0.00	62.07	0.84	289.57	39.48	250.09
7+0.00	7.98	0.00	77.50	0.00	367.07	39.48	327.59
7+10.00	8.34	0.00	81.61	0.00	448.68	39.48	409.20
8+0.00	7.30	0.15	78.20	0.75	526.89	40.23	486.66
8+10.00	5.94	0.26	66.22	2.03	593.11	42.26	550.85
8+16.81	4.84	0.63	36.74	3.01	629.85	45.27	584.58
9+0.00	5.94	0.43	17.13	1.72	646.98	46.99	599.99
9+10.00	6.27	0.00	61.05	2.17	708.03	49.16	658.87
10+0.00	6.53	0.03	63.98	0.13	772.01	49.29	722.72
10+10.00	7.53	0.00	70.27	0.13	842.29	49.42	792.87
11+0.00	8.18	0.00	78.51	0.00	920.80	49.42	871.38
11+10.00	7.70	0.00	79.37	0.00	1000.17	49.42	950.76
12+0.00	6.14	0.60	69.21	3.00	1069.38	52.42	1016.97
12+10.00	6.12	0.54	61.33	5.71	1130.71	58.12	1072.59
13+0.00	7.61	0.00	68.64	2.71	1199.36	60.83	1138.53
13+10.00	7.53	0.49	75.67	2.45	1275.03	63.28	1211.75
14+0.00	7.21	0.23	73.68	3.59	1348.71	66.87	1281.85
14+10.00	6.92	0.57	70.65	3.99	1419.37	70.86	1348.51
15+0.00	6.80	0.25	68.62	4.11	1487.98	74.97	1413.01
15+10.00	7.07	0.21	69.33	2.30	1557.32	77.28	1480.04
16+0.00	6.70	0.86	68.81	5.34	1626.13	82.61	1543.52
16+10.00	5.64	0.59	61.69	7.25	1687.82	89.86	1597.96
17+0.00	4.22	0.62	49.31	6.04	1737.13	95.90	1641.23
17+10.00	2.88	0.93	35.51	7.76	1772.64	103.66	1668.98
17+14.29	2.43	1.13	11.41	4.44	1784.05	108.10	1675.95
18+0.00	2.14	1.42	12.98	7.48	1797.02	115.58	1681.45
18+10.00	1.40	2.05	17.69	17.34	1814.71	132.91	1681.80
19+0.00	0.83	2.53	11.15	22.87	1825.86	155.78	1670.08
19+10.00	0.48	2.91	6.58	27.20	1832.44	182.98	1649.46
20+0.00	0.29	3.01	3.88	29.64	1836.32	212.62	1623.70
20+10.00	0.27	2.96	2.81	29.86	1839.13	242.49	1596.64
20+12.18	0.23	3.05	0.55	6.56	1839.67	249.04	1590.63

Volum. Total de Corte (m³)	Volum. Total de Aterro (m³)
1839.67	249.04

02 QUADRO DE CUBAÇÃO
ESCALA: SE

Nota de Serviço Tabela

CANAL L E 2 EIXO CANAL 0+000 20+12.183

Lado Esquerdo				Eixo				Lado Direito										
Offset	Incl. (%)	Afast. (m)	Cota (m)	Estaca	Cota Projeto	Cota Terreno	Cota Vermelha	Offset	Incl. (%)	Afast. (m)	Cota (m)							
-1.48	5.251	-66.67	-1.21	5.431	435.67	-0.91	4.124	0	0+0.000	5.434	5.32	0.114	1.21	5.431	435.67	1.298	5.372	-66.67
-1.684	5.111	-66.67	-1.21	5.427	435.67	-0.91	4.12	0	0+10.000	5.43	5.123	0.307	1.21	5.427	435.67	1.254	5.398	-66.67
-1.509	5.224	-66.67	-1.21	5.423	435.67	-0.91	4.116	0	1+0.000	5.426	5.439	-0.013	1.21	5.423	435.67			
-1.394	5.298	-66.67	-1.21	5.42	435.67	-0.91	4.113	0	1+6.512	5.423	4.943	0.481	1.21	5.42	435.67	1.613	5.152	-66.67
-1.297	5.361	-66.67	-1.21	5.419	435.67	-0.91	4.112	0	1+10.000	5.422	5.334	0.088	1.21	5.419	435.67	1.499	5.227	-66.67
-1.739	5.062	-66.67	-1.21	5.415	435.67	-0.91	4.108	0	2+0.000	5.418	4.747	0.671	1.21	5.415	435.67	1.436	5.264	-66.67
-2.212	4.743	-66.67	-1.21	5.411	435.67	-0.91	4.104	0	2+10.000	5.414	5.041	0.374	1.21	5.411	435.67	1.32	5.521	100
-1.441	5.639	100	-1.21	5.408	435.67	-0.91	4.101	0	2+17.740	5.411	5.605	-0.194	1.21	5.408	435.67	1.4	5.598	100
-1.33	5.527	100	-1.21	5.407	435.67	-0.91	4.1	0	3+0.000	5.41	5.144	0.266	1.21	5.407	435.67	1.649	5.115	-66.67
-1.291	5.349	-66.67	-1.21	5.403	435.67	-0.91	4.096	0	3+10.000	5.406	4.96	0.446	1.21	5.403	435.67	1.466	5.232	-66.67
-1.489	5.213	-66.67	-1.21	5.399	435.67	-0.91	4.092	0	4+0.000	5.402	4.756	0.646	1.21	5.399	435.67	1.462	5.231	-66.67
-1.485	5.212	-66.67	-1.21	5.395	435.67	-0.91	4.088	0	4+10.000	5.398	4.761	0.637	1.21	5.395	435.67	1.585	5.145	-66.67
-2.084	4.809	-66.67	-1.21	5.391	435.67	-0.91	4.084	0	5+0.000	5.394	4.587	0.807	1.21	5.391	435.67	1.627	5.113	-66.67
-2.196	4.723	-66.67	-1.21	5.391	435.67	-0.91	4.084	0	5+10.000	5.394	4.547	0.847	1.21	5.391	435.67	1.786	5.007	-66.67
-2.979	5.043	-66.67	-2.46	5.389	435.67	-2.16	4.082	0	5+4.200	5.392	4.419	0.973	2.46	5.389	435.67	2.933	5.074	-66.67
-2.945	5.066	-66.67	-2.46	5.389	435.67	-2.16	4.082	0	5+4.241	5.392	4.418	0.975	2.46	5.389	435.67	2.915	5.086	-66.67
-2.591	5.3	-66.67	-2.46	5.388	435.67	-2.16	4.081	0	5+10.000	5.391	4.445	0.946	2.46	5.388	435.67	2.917	5.083	-66.67
-2.887	5.811	100	-2.46	5.385	435.67	-2.16	4.078	0	6+0.000	5.388	4.868	0.519	2.46	5.385	435.67	2.929	5.072	-66.67
-2.761	5.683	100	-2.46	5.382	435.67	-2.16	4.075	0	6+10.000	5.385	5.757	-0.372	2.46	5.382	435.67	2.811	5.733	100
-2.827	5.746	100	-2.46	5.379	435.67	-2.16	4.072	0	7+0.000	5.382	5.815	-0.434	2.46	5.379	435.67	2.949	5.868	100
-2.695	5.611	100	-2.46	5.376	435.67	-2.16	4.069	0	7+10.000	5.379	5.955	-0.576	2.46	5.376	435.67	3.027	5.942	100
-3.681	4.559	-66.67	-2.46	5.373	435.67	-2.16	4.066	0	8+0.000	5.376	5.745	-0.37	2.46	5.373	435.67	2.858	5.771	100
-3.224	4.86	-66.67	-2.46	5.37	435.67	-2.16	4.063	0	8+10.000	5.373	5.387	-0.014	2.46	5.37	435.67	2.961	5.87	100
-3.468	4.696	-66.67	-2.46	5.368	435.67	-2.16	4.061	0	8+16.815	5.371	5.09	0.281	2.46	5.368	435.67	2.876	5.784	100
-3.393	4.745	-66.67	-2.46	5.367	435.67	-2.16	4.06	0	9+0.000	5.37	5.498	-0.128	2.46	5.367	435.67	2.661	5.568	100
-2.503	5.335	-66.67	-2.46	5.364	435.67	-2.16	4.057	0	9+10.000	5.367	5.437	-0.07	2.46	5.364	435.67	2.755	5.658	100
-2.904	5.065	-66.67	-2.46	5.361	435.67	-2.16	4.054	0	10+0.000	5.364	5.491	-0.128	2.46	5.361	435.67	2.86	5.761	100
			-2.46	5.358	435.67	-2.16	4.051	0	10+10.000	5.361	5.725	-0.365	2.46	5.358	435.67	3.014	5.912	100
-2.925	5.819	100	-2.46	5.355	435.67	-2.16	4.048	0	11+0.000	5.358	5.804	-0.446	2.46	5.355	435.67	2.981	5.876	100
-2.757	5.649	100	-2.46	5.352	435.67	-2.16	4.045	0	11+10.000	5.355	5.732	-0.377	2.46	5.352	435.67	2.85	5.742	100
-3.469	4.676	-66.67	-2.46	5.349	435.67	-2.16	4.042	0	12+0.000	5.352	5.628	-0.276	2.46	5.349	435.67	2.714	5.603	100
-3.552	4.618	-66.67	-2.46	5.346	435.67	-2.16	4.039	0	12+10.000	5.349	5.538	-0.19	2.46	5.346	435.67	2.804	5.69	100
-2.729	5.612	100	-2.46	5.343	435.67	-2.16	4.036	0	13+0.000	5.346	5.696	-0.351	2.46	5.343	435.67	2.97	5.852	100
-3.749	4.48	-66.67	-2.46	5.34	435.67	-2.16	4.033	0	13+10.000	5.343	5.773	-0.43	2.46	5.34	435.67	3.053	5.933	100
-2.987	4.985	-66.67	-2.46	5.337	435.67	-2.16	4.03	0	14+0.000	5.34	5.624	-0.284	2.46	5.337	435.67	3.26	6.136	100
-3.366	4.73	-66.67	-2.46	5.334	435.67	-2.16	4.027	0	14+10.000	5.337	5.538	-0.202	2.46	5.334	435.67	3.285	6.159	100
-2.986	4.98	-66.67	-2.46	5.331	435.67	-2.16	4.024	0	15+0.000	5.334	5.462	-0.128	2.46	5.331	435			