

Relatório de Volumes

Projeto: C:\Users\CrisAppDataLocal\Temp1_1_GRANF_INFRA_PASSEIOS_AC_AVENIDA_F_MARTENDAL_1_21858_58786685.sv\$

Alinhamento: AVENIDA FREDERICO

Grupo de Seções: SL Collection - 2

Estaca Inicial: 76+0.000

Estaca Final: 131+9.654

Estaca	Semi Distância (m)	Área de Corte (m²)	Volume de Corte (m³)	Vol. Reuso (m³)	Área de Aterro (m²)	Volume Aterro (m³)	Vol. Acum. Corte (m³)	Vol. Reuso Acum. (m³)	Vol. Acum. Aterro (m³)	Dif. Vol. Acum. (m³)
76+0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76+3.531	1.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76+10.000	3.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77+0.000	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77+10.000	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78+0.000	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78+4.907	2.45	0.25	0.62	0.62	0.00	0.00	0.62	0.62	0.00	0.62
78+10.000	2.55	0.19	1.10	1.10	0.00	0.00	1.72	1.72	0.00	1.72
79+0.000	5.00	0.01	1.00	1.00	0.02	0.11	2.72	2.72	0.11	2.62
79+10.000	5.00	0.01	0.14	0.14	0.07	0.43	2.86	2.86	0.54	2.32
79+10.412	0.21	0.01	0.00	0.00	0.05	0.02	2.87	2.87	0.56	2.31
79+17.200	3.39	0.05	0.21	0.21	0.01	0.20	3.08	3.08	0.76	2.32
80+0.000	1.40	0.02	0.09	0.09	0.02	0.04	3.16	3.16	0.80	2.36
80+1.263	0.63	0.02	0.02	0.02	0.00	0.02	3.19	3.19	0.82	2.37
80+5.726	2.23	0.07	0.19	0.19	0.00	0.01	3.37	3.37	0.83	2.54
80+10.000	2.14	0.05	0.24	0.24	0.00	0.00	3.62	3.62	0.83	2.79
80+13.589	1.79	0.08	0.22	0.22	0.00	0.00	3.84	3.84	0.83	3.01
80+18.993	2.70	0.14	0.57	0.57	0.00	0.00	4.41	4.41	0.83	3.59
81+0.000	0.50	0.20	0.16	0.16	0.00	0.00	4.57	4.57	0.83	3.75
81+5.918	2.96	0.08	0.84	0.84	0.06	0.18	5.41	5.41	1.01	4.40
81+10.000	2.04	0.19	0.49	0.49	1.15	2.39	5.90	5.90	3.40	2.50
81+18.513	4.26	0.24	1.81	1.81	1.12	9.65	7.71	7.71	13.05	-5.34
82+0.000	0.74	0.18	0.22	0.22	1.12	1.52	7.94	7.94	14.57	-6.64
82+10.000	5.00	0.00	0.90	0.90	1.55	13.35	8.84	8.84	27.92	-19.09
82+17.669	3.83	0.00	0.00	0.00	1.47	11.57	8.84	8.84	39.49	-30.65
83+0.000	1.17	0.00	0.00	0.00	1.48	3.29	8.85	8.85	42.78	-33.94
83+10.000	5.00	0.00	0.01	0.01	1.46	14.68	8.86	8.86	57.46	-48.61
83+12.338	1.17	0.00	0.00	0.00	1.43	3.38	8.86	8.86	60.84	-51.98
84+0.000	3.83	0.00	0.02	0.02	1.15	9.83	8.88	8.88	70.67	-61.79
84+10.000	5.00	0.00	0.05	0.05	1.22	11.84	8.93	8.93	82.51	-73.58
84+14.801	2.40	0.34	0.82	0.82	0.05	3.04	9.75	9.75	85.54	-75.79
85+0.000	2.60	0.31	1.67	1.67	0.06	0.28	11.42	11.42	85.83	-74.40
85+10.000	5.00	0.02	1.62	1.62	1.24	6.48	13.05	13.05	92.31	-79.26
86+0.000	5.00	0.00	0.13	0.13	1.52	13.80	13.18	13.18	106.11	-92.93
86+10.000	5.00	0.02	0.13	0.13	1.48	15.02	13.30	13.30	121.13	-107.82
87+0.000	5.00	0.00	0.14	0.14	1.61	15.44	13.44	13.44	136.57	-123.13
87+1.909	0.95	0.00	0.01	0.01	1.65	3.11	13.45	13.45	139.68	-126.23
87+10.000	4.05	0.00	0.04	0.04	1.67	13.43	13.50	13.50	153.12	-139.62
87+13.762	1.88	0.01	0.03	0.03	1.47	5.90	13.53	13.53	159.02	-145.49
88+0.000	3.12	0.00	0.05	0.05	1.57	9.39	13.57	13.57	168.41	-154.83
88+8.894	4.45	0.00	0.02	0.02	1.62	14.20	13.60	13.60	182.61	-169.01
88+10.000	0.55	0.00	0.00	0.00	1.52	1.82	13.60	13.60	184.43	-170.83
89+0.000	5.00	1.28	6.40	6.40	1.04	12.80	20.00	20.00	197.23	-177.23
89+9.641	4.82	1.99	15.75	15.75	1.04	10.02	35.75	35.75	207.24	-171.50
89+10.000	0.18	2.00	0.72	0.72	1.04	0.37	36.46	36.46	207.62	-171.16
90+0.000	5.00	2.00	20.04	20.04	1.04	10.41	56.51	56.51	218.03	-161.52
90+10.000	5.00	1.53	17.68	17.68	1.07	10.55	74.18	74.18	228.58	-154.40
90+13.824	1.91	1.31	5.44	5.44	1.08	4.12	79.62	79.62	232.70	-153.08
91+0.000	3.09	0.48	5.54	5.54	1.35	7.52	85.17	85.17	240.23	-155.06
91+5.364	2.68	0.02	1.33	1.33	0.55	5.10	86.50	86.50	245.32	-158.82
91+10.000	2.32	0.00	0.04	0.04	0.00	1.29	86.54	86.54	246.62	-160.08
91+19.314	4.66	0.00	0.00	0.00	0.42	1.98	86.55	86.55	248.60	-162.05
92+0.000	0.34	0.00	0.00	0.00	0.40	0.28	86.55	86.55	248.88	-162.33
92+10.000	5.00	0.00	0.02	0.02	1.90	11.50	86.57	86.57	260.37	-173.80
92+15.417	2.71	0.05	0.13	0.13	1.46	9.10	86.71	86.71	269.48	-182.77
93+0.000	2.29	0.08	0.29	0.29	1.40	6.56	87.00	87.00	276.04	-189.04

93+10.000	5.00	0.16	1.21	1.21	1.24	13.20	88.21	88.21	289.24	-201.03
94+0.000	5.00	0.31	2.38	2.38	1.27	12.56	90.59	90.59	301.80	-211.22
94+2.668	1.33	0.27	0.78	0.78	1.28	3.40	91.37	91.37	305.21	-213.84
94+10.000	3.67	0.00	1.01	1.01	1.42	9.93	92.39	92.39	315.14	-222.75
95+0.000	5.00	0.00	0.00	0.00	1.64	15.28	92.39	92.39	330.42	-238.03
95+0.723	0.36	0.00	0.00	0.00	1.67	1.20	92.39	92.39	331.62	-239.23
95+10.000	4.64	0.00	0.00	0.00	1.94	16.55	92.39	92.39	348.17	-255.78
96+0.000	5.00	0.00	0.00	0.00	1.89	19.12	92.39	92.39	367.28	-274.89
96+7.676	3.84	0.00	0.00	0.00	1.75	13.96	92.39	92.39	381.24	-288.86
96+10.000	1.16	0.00	0.00	0.00	1.74	4.06	92.39	92.39	385.30	-292.91
97+0.000	5.00	0.00	0.00	0.00	1.94	18.39	92.39	92.39	403.69	-311.30
97+10.000	5.00	0.00	0.00	0.00	1.34	16.39	92.39	92.39	420.08	-327.69
97+19.140	4.57	0.00	0.00	0.00	1.48	12.88	92.39	92.39	432.96	-340.57
98+0.000	0.43	0.00	0.00	0.00	1.53	1.29	92.39	92.39	434.25	-341.86
98+10.000	5.00	0.00	0.00	0.00	1.89	17.10	92.39	92.39	451.35	-358.96
99+0.000	5.00	0.00	0.00	0.00	1.82	18.57	92.39	92.39	469.92	-377.54
99+4.361	2.18	0.00	0.02	0.02	1.72	7.72	92.40	92.40	477.64	-385.24
99+10.000	2.82	0.02	0.07	0.07	1.61	9.37	92.47	92.47	487.01	-394.54
100+0.000	5.00	0.34	1.76	1.76	1.43	15.21	94.23	94.23	502.22	-407.98
100+10.000	5.00	0.49	4.14	4.14	1.11	12.73	98.37	98.37	514.95	-416.57
100+16.748	3.37	0.34	2.80	2.80	1.19	7.77	101.17	101.17	522.72	-421.55
101+0.000	1.63	0.12	0.74	0.74	1.28	4.03	101.92	101.92	526.75	-424.83
101+10.000	5.00	0.20	1.62	1.62	1.20	12.43	103.54	103.54	539.18	-435.64
102+0.000	5.00	0.31	2.58	2.58	1.08	11.43	106.12	106.12	550.61	-444.49
102+10.000	5.00	0.33	3.23	3.23	1.01	10.48	109.35	109.35	561.09	-451.74
102+16.073	3.04	0.34	2.03	2.03	1.06	6.28	111.39	111.39	567.37	-455.98
103+0.000	1.96	0.34	1.33	1.33	1.09	4.21	112.72	112.72	571.58	-458.86
103+10.000	5.00	0.32	3.31	3.31	1.12	11.04	116.03	116.03	582.62	-466.59
104+0.000	5.00	0.38	3.49	3.49	1.12	11.20	119.53	119.53	593.82	-474.29
104+10.000	5.00	0.24	3.08	3.08	1.34	12.31	122.60	122.60	606.13	-483.53
105+0.000	5.00	0.83	5.31	5.31	1.26	13.03	127.92	127.92	619.16	-491.24
105+0.556	0.28	0.85	0.46	0.46	1.26	0.70	128.38	128.38	619.86	-491.48
105+10.000	4.72	0.00	3.99	3.99	1.31	12.12	132.37	132.37	631.98	-499.61
106+0.000	5.00	0.50	2.50	2.50	1.28	12.91	134.87	134.87	644.89	-510.02
106+10.000	5.00	0.24	3.69	3.69	1.26	12.68	138.56	138.56	657.57	-519.01
106+16.015	3.01	1.66	5.71	5.71	1.21	7.42	144.27	144.27	664.99	-520.72
107+0.000	1.99	1.39	6.09	6.09	1.16	4.71	150.36	150.36	669.70	-519.33
107+10.000	5.00	0.49	9.43	9.43	1.09	11.22	159.79	159.79	680.92	-521.12
108+0.000	5.00	1.47	9.82	9.82	0.59	8.37	169.62	169.62	689.29	-519.67
108+10.000	5.00	2.88	21.78	21.78	0.59	5.88	191.40	191.40	695.17	-503.77
108+10.614	0.31	2.87	1.77	1.77	0.56	0.35	193.17	193.17	695.52	-502.36
109+0.000	4.69	2.80	27.30	27.30	0.52	5.09	220.47	220.47	700.61	-480.14
109+6.389	3.19	3.00	18.52	18.52	0.49	3.24	238.99	238.99	703.85	-464.86
109+10.000	1.81	2.54	10.57	10.57	0.57	1.94	249.55	249.55	705.79	-456.23
110+0.000	5.00	0.00	12.68	12.68	0.00	2.85	262.23	262.23	708.64	-446.41
110+3.777	1.89	0.00	0.00	0.00	0.00	0.00	262.23	262.23	708.64	-446.41
110+10.000	3.11	0.00	0.00	0.00	0.00	0.00	262.23	262.23	708.64	-446.41
111+0.000	5.00	0.00	0.00	0.00	0.00	0.00	262.23	262.23	708.64	-446.41
111+1.602	0.80	0.00	0.00	0.00	0.00	0.00	262.23	262.23	708.64	-446.41
111+10.000	4.20	0.00	0.00	0.00	0.00	0.00	262.23	262.23	708.64	-446.41
111+15.705	2.85	0.00	0.00	0.00	0.00	0.00	262.23	262.23	708.64	-446.41
112+0.000	2.15	0.00	0.00	0.00	0.00	0.00	262.23	262.23	708.64	-446.41
112+10.000	5.00	0.49	2.44	2.44	1.03	5.16	264.66	264.66	713.80	-449.14
112+12.874	1.44	0.70	1.70	1.70	1.18	3.18	266.37	266.37	716.98	-450.62
113+0.000	3.56	0.84	5.69	5.69	1.07	8.12	272.06	272.06	725.10	-453.05
113+9.687	4.84	1.09	9.35	9.35	0.91	9.60	281.41	281.41	734.70	-453.29
113+10.000	0.16	1.10	0.61	0.61	0.90	0.34	282.02	282.02	735.04	-453.02
114+0.000	5.00	0.99	10.47	10.47	0.74	8.21	292.49	292.49	743.24	-450.75
114+7.598	3.80	1.07	7.85	7.85	0.67	5.37	300.34	300.34	748.62	-448.28
114+10.000	1.20	1.05	2.74	2.74	0.67	1.64	303.08	303.08	750.26	-447.18
115+0.000	5.00	1.00	10.27	10.27	0.71	6.89	313.35	313.35	757.15	-443.81
115+8.596	4.30	1.00	8.59	8.59	0.67	5.93	321.94	321.94	763.09	-441.15
115+10.000	0.70	0.99	1.55	1.55	0.68	0.98	323.49	323.49	764.07	-440.58
116+0.000	5.00	0.98	9.83	9.83	0.69	6.86	333.32	333.32	770.93	-437.61
116+10.000	5.00	1.04	10.11	10.11	0.64	6.67	343.43	343.43	777.61	-434.18
117+0.000	5.00	1.00	10.19	10.19	0.65	6.46	353.62	353.62	784.07	-430.45
117+8.892	4.45	1.01	8.94	8.94	0.63	5.69	362.56	362.56	789.75	-427.20

117+10.000	0.55	1.02	1.13	1.13	0.63	0.70	363.68	363.68	790.45	-426.77
118+0.000	5.00	0.92	9.68	9.68	0.68	6.56	373.37	373.37	797.01	-423.64
118+10.000	5.00	0.73	8.21	8.21	0.75	7.15	381.58	381.58	804.16	-422.58
119+0.000	5.00	0.54	6.33	6.33	0.81	7.78	387.91	387.91	811.94	-424.03
119+10.000	5.00	0.45	4.94	4.94	0.97	8.90	392.85	392.85	820.84	-427.99
120+0.000	5.00	2.57	15.12	15.12	0.54	7.56	407.97	407.97	828.41	-420.44
120+10.000	5.00	0.46	15.20	15.20	1.07	8.06	423.17	423.17	836.46	-413.29
120+13.678	1.84	0.32	1.44	1.44	1.15	4.08	424.60	424.60	840.54	-415.94
121+0.000	3.16	0.24	1.76	1.76	1.14	7.23	426.36	426.36	847.77	-421.41
121+10.000	5.00	0.04	1.39	1.39	1.20	11.68	427.75	427.75	859.45	-431.70
122+0.000	5.00	0.01	0.24	0.24	1.41	13.04	427.99	427.99	872.49	-444.50
122+10.000	5.00	0.00	0.07	0.07	1.54	14.76	428.06	428.06	887.25	-459.19
123+0.000	5.00	0.00	0.03	0.03	1.62	15.83	428.10	428.10	903.08	-474.99
123+10.000	5.00	0.00	0.02	0.02	1.47	15.48	428.12	428.12	918.57	-490.44
123+14.804	2.40	0.00	0.02	0.02	1.42	6.96	428.14	428.14	925.53	-497.39
124+0.000	2.60	1.01	2.63	2.63	0.82	5.83	430.77	430.77	931.36	-500.59
124+10.000	5.00	0.68	8.43	8.43	0.86	8.39	439.20	439.20	939.75	-500.55
124+17.381	3.69	0.00	2.51	2.51	1.38	8.27	441.71	441.71	948.02	-506.31
125+0.000	1.31	0.00	0.01	0.01	1.20	3.38	441.73	441.73	951.40	-509.68
125+10.000	5.00	0.45	2.29	2.29	1.22	12.08	444.01	444.01	963.48	-519.47
126+0.000	5.00	3.53	19.91	19.91	1.03	11.21	463.92	463.92	974.69	-510.77
126+0.044	0.02	3.55	0.16	0.16	1.03	0.05	464.08	464.08	974.74	-510.66
126+3.951	1.95	4.36	14.43	14.43	0.93	3.76	478.51	478.51	978.50	-499.99
126+10.000	3.02	4.54	27.92	27.92	0.84	5.40	506.42	506.42	983.90	-477.47
127+0.000	5.00	4.76	46.47	46.47	0.84	8.41	552.89	552.89	992.31	-439.42
127+10.000	5.00	0.37	25.65	25.65	0.00	4.23	578.54	578.54	996.54	-417.99
128+0.000	5.00	0.00	1.87	1.87	0.00	0.03	580.42	580.42	996.57	-416.15
128+8.929	4.46	0.00	0.00	0.00	0.00	0.00	580.42	580.42	996.57	-416.15
128+10.000	0.54	0.00	0.00	0.00	0.00	0.00	580.42	580.42	996.57	-416.15
129+0.000	5.00	0.00	0.03	0.03	0.06	0.31	580.45	580.45	996.88	-416.43
129+10.000	5.00	0.22	1.14	1.14	0.00	0.31	581.59	581.59	997.19	-415.60
130+0.000	5.00	1.03	6.27	6.27	0.00	0.00	587.87	587.87	997.19	-409.33
130+1.217	0.61	0.00	0.63	0.63	0.00	0.00	588.50	588.50	997.19	-408.70
130+10.000	4.39	0.00	0.00	0.00	0.00	0.00	588.50	588.50	997.19	-408.70
130+19.166	4.58	0.00	0.00	0.00	0.00	0.00	588.50	588.50	997.19	-408.70
131+0.000	0.42	0.00	0.00	0.00	0.00	0.00	588.50	588.50	997.19	-408.70
131+9.654	4.83	0.00	0.00	0.00	0.00	0.00	588.50	588.50	997.19	-408.70