

# Volume Report

Project: D:\ARQUIVOS VINÍCIUS\1- PROJETOS MUNICÍPIOS\RANCHO  
 QUEIMADO\2 - INVERNADINHA 2A  
 TAPA\1\_1\_GRANF\_INFRA\_PAV\_RQ\_INVERNADINHA.dwg  
 Alignment: ESTRADA INVERNADINHA  
 Sample Line Group: SL Collection - 3  
 Start Sta: 1+200.000  
 End Sta: 1+560.000

  
 Vinicius Feller  
 Engenheiro Civil  
 CREA/SC 147982-3

Station	Cut Area (Sq.m.)	Cut Volume (Cu.m.)	Reusable Volume (Cu.m.)	Fill Area (Sq.m.)	Fill Volume (Cu.m.)	Cum. Cut Vol. (Cu.m.)	Cum. Reusable Vol. (Cu.m.)	Cum. Fill Vol. (Cu.m.)	Cum. Net Vol. (Cu.m.)
1+200.000	1.44	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00
1+200.803	1.38	1.13	1.13	0.25	0.20	1.13	1.13	0.20	0.94
1+205.000	0.98	5.01	5.01	0.34	1.14	6.14	6.14	1.33	4.81
1+210.000	0.57	3.94	3.94	1.73	4.83	10.08	10.08	6.16	3.92
1+215.000	0.38	2.42	2.42	1.14	6.81	12.50	12.50	12.97	-0.47
1+220.000	0.17	1.41	1.41	1.37	6.22	13.91	13.91	19.20	-5.28
1+222.094	0.10	0.29	0.29	1.83	3.43	14.20	14.20	22.62	-8.43
1+225.000	0.19	0.43	0.43	1.67	5.24	14.63	14.63	27.87	-13.24
1+230.000	0.32	1.35	1.35	0.73	5.96	15.98	15.98	33.82	-17.84
1+235.000	0.70	2.77	2.77	1.48	5.12	18.75	18.75	38.94	-20.19
1+240.000	0.84	4.12	4.12	0.28	4.11	22.87	22.87	43.06	-20.19
1+243.385	1.43	3.92	3.92	0.59	1.49	26.79	26.79	44.55	-17.76
1+245.000	2.24	2.96	2.96	0.39	0.79	29.75	29.75	45.33	-15.58
1+249.162	4.49	13.99	13.99	0.00	0.80	43.74	43.74	46.14	-2.39
1+250.000	3.94	3.53	3.53	0.00	0.00	47.27	47.27	46.14	1.14
1+254.938	3.86	19.27	19.27	0.00	0.00	66.55	66.55	46.14	20.41
1+255.000	3.82	0.24	0.24	0.00	0.00	66.79	66.79	46.14	20.65
1+260.000	3.57	18.44	18.44	0.13	0.32	85.23	85.23	46.46	38.77
1+265.000	3.80	18.32	18.32	0.28	1.03	103.55	103.55	47.49	56.06
1+269.912	4.36	19.93	19.93	0.08	0.89	123.48	123.48	48.37	75.11
1+270.000	4.38	0.38	0.38	0.07	0.00	123.86	123.86	48.38	75.49
1+275.000	5.58	24.76	24.76	0.00	0.17	148.63	148.63	48.55	100.08
1+280.000	7.20	31.74	31.74	0.00	0.00	180.37	180.37	48.55	131.82
1+284.887	9.67	40.81	40.81	0.00	0.00	221.18	221.18	48.55	172.63
1+285.000	9.69	1.10	1.10	0.00	0.00	222.28	222.28	48.55	173.73
1+290.000	9.78	48.65	48.65	0.00	0.00	270.93	270.93	48.55	222.38
1+294.748	9.44	45.63	45.63	0.00	0.00	316.56	316.56	48.55	268.00
1+295.000	9.42	2.38	2.38	0.00	0.00	318.93	318.93	48.55	270.38
1+300.000	8.45	44.66	44.66	0.00	0.00	363.59	363.59	48.55	315.04
1+304.609	6.59	34.66	34.66	0.00	0.00	398.25	398.25	48.55	349.70
1+305.000	6.39	2.54	2.54	0.00	0.00	400.79	400.79	48.55	352.24
1+310.000	4.98	28.64	28.64	0.12	0.29	429.43	429.43	48.84	380.59
1+315.000	3.91	22.34	22.34	0.90	2.54	451.77	451.77	51.38	400.39



1+324.533	1.70	9.89	9.89	1.06	4.56	478.16	478.16	60.55	417.61
1+325.000	1.60	0.77	0.77	1.13	0.51	478.93	478.93	61.06	417.87
1+330.000	1.34	7.28	7.28	1.23	5.98	486.22	486.22	67.05	419.17
1+335.000	1.15	6.18	6.18	1.23	6.25	492.39	492.39	73.30	419.10
1+340.000	0.91	5.12	5.12	1.37	6.60	497.51	497.51	79.90	417.61
1+344.456	0.72	3.61	3.61	1.69	6.95	501.12	501.12	86.85	414.27
1+345.000	0.69	0.38	0.38	1.73	0.93	501.50	501.50	87.78	413.72
1+350.000	0.70	3.49	3.49	1.85	8.97	504.99	504.99	96.75	408.24
1+355.000	1.05	4.37	4.37	1.80	9.14	509.36	509.36	105.89	403.47
1+360.000	1.53	6.45	6.45	1.73	8.83	515.80	515.80	114.72	401.09
1+364.080	2.05	7.31	7.31	1.68	6.95	523.11	523.11	121.67	401.45
1+365.000	2.18	1.95	1.95	1.67	1.54	525.06	525.06	123.21	401.85
1+370.000	3.08	13.15	13.15	1.44	7.77	538.21	538.21	130.98	407.24
1+375.000	2.72	14.50	14.50	0.80	5.60	552.71	552.71	136.58	416.13
1+380.000	2.43	12.86	12.86	0.84	4.10	565.57	565.57	140.68	424.89
1+383.705	2.47	9.07	9.07	0.92	3.26	574.64	574.64	143.94	430.70
1+385.000	3.50	4.38	4.38	0.96	1.07	579.02	579.02	145.01	434.01
1+390.000	7.23	30.65	30.65	0.84	3.92	609.67	609.67	148.94	460.73
1+393.361	7.73	28.90	28.90	0.91	2.51	638.57	638.57	151.45	487.12
1+395.000	9.46	16.22	16.22	0.84	1.21	654.78	654.78	152.66	502.12
1+400.000	12.06	61.76	61.76	0.50	2.86	716.55	716.55	155.52	561.03
1+403.018	11.82	41.35	41.35	0.42	1.20	757.90	757.90	156.72	601.18
1+405.000	12.71	24.30	24.30	0.27	0.68	782.20	782.20	157.40	624.80
1+408.713	14.23	50.02	50.02	0.08	0.66	832.23	832.23	158.06	674.17
1+410.000	14.72	18.63	18.63	0.03	0.07	850.85	850.85	158.13	692.72
1+414.409	16.15	68.05	68.05	0.00	0.06	918.90	918.90	158.18	760.72
1+415.000	16.29	9.58	9.58	0.00	0.00	928.49	928.49	158.18	770.30
1+420.000	17.74	81.16	81.16	0.00	0.00	1009.64	1009.64	158.18	851.46
1+425.000	14.33	76.57	76.57	0.23	0.60	1086.22	1086.22	158.78	927.44
1+430.000	11.70	62.07	62.07	0.81	2.77	1148.28	1148.28	161.55	986.73
1+435.000	9.75	51.13	51.13	0.14	2.52	1199.42	1199.42	164.08	1035.34
1+438.654	9.16	32.92	32.92	0.10	0.45	1232.34	1232.34	164.53	1067.81
1+440.000	9.02	12.23	12.23	0.09	0.13	1244.57	1244.57	164.66	1079.91
1+445.000	8.83	42.48	42.48	0.09	0.49	1287.05	1287.05	165.14	1121.91
1+450.000	9.21	42.86	42.86	0.20	0.76	1329.91	1329.91	165.90	1164.02
1+455.000	6.23	36.65	36.65	0.14	0.87	1366.56	1366.56	166.77	1199.79
1+460.000	2.00	19.54	19.54	0.32	1.20	1386.11	1386.11	167.97	1218.13
1+462.898	0.61	3.64	3.64	0.62	1.41	1389.74	1389.74	169.39	1220.36
1+465.000	0.64	1.32	1.32	1.47	2.19	1391.06	1391.06	171.58	1219.48
1+470.000	0.56	3.01	3.01	2.13	9.00	1394.07	1394.07	180.58	1213.50
1+473.028	0.84	2.12	2.12	1.02	4.76	1396.19	1396.19	185.34	1210.85
1+475.000	1.05	1.86	1.86	0.71	1.71	1398.05	1398.05	187.05	1211.01
1+480.000	1.49	6.34	6.34	0.05	1.89	1404.39	1404.39	188.94	1215.45
1+483.157	1.91	5.36	5.36	0.11	0.25	1409.76	1409.76	189.19	1220.57
1+485.000	2.07	3.66	3.66	0.15	0.23	1413.42	1413.42	189.42	1224.00

  
**Marcus Feller**  
 Engenheiro Civil  
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1+495.000	2.83	13.19	13.19	0.19	1.09	1437.74	1437.74	191.48	1246.26
1+500.000	3.16	15.35	15.35	0.17	0.89	1453.09	1453.09	192.37	1260.72
1+503.137	3.37	10.54	10.54	0.14	0.48	1463.63	1463.63	192.85	1270.78
1+505.000	3.51	6.61	6.61	0.12	0.25	1470.24	1470.24	193.10	1277.14
1+510.000	3.92	19.19	19.19	0.06	0.47	1489.44	1489.44	193.57	1295.87
1+515.000	4.94	23.05	23.05	0.04	0.24	1512.49	1512.49	193.81	1318.67
1+520.000	5.78	28.07	28.07	0.12	0.35	1540.55	1540.55	194.17	1346.38
1+523.117	0.00	9.45	9.45	0.00	0.17	1550.00	1550.00	194.33	1355.67
1+525.000	0.00	0.00	0.00	0.00	0.00	1550.00	1550.00	194.33	1355.67
1+529.493	0.00	0.00	0.00	0.00	0.00	1550.00	1550.00	194.33	1355.67
1+530.000	0.00	0.00	0.00	0.00	0.00	1550.00	1550.00	194.33	1355.67
1+535.000	0.00	0.00	0.00	0.00	0.00	1550.00	1550.00	194.33	1355.67
1+535.869	0.00	0.00	0.00	0.00	0.00	1550.00	1550.00	194.33	1355.67
1+540.000	0.00	0.00	0.00	0.00	0.00	1550.00	1550.00	194.33	1355.67
1+545.000	0.00	0.00	0.00	0.00	0.00	1550.00	1550.00	194.33	1355.67
1+550.000	0.00	0.00	0.00	0.00	0.00	1550.00	1550.00	194.33	1355.67
1+555.000	0.00	0.00	0.00	0.00	0.00	1550.00	1550.00	194.33	1355.67
1+558.540	0.00	0.00	0.00	0.00	0.00	1550.00	1550.00	194.33	1355.67
1+560.000	0.00	0.00	0.00	0.00	0.00	1550.00	1550.00	194.33	1355.67

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