

Relatório de Volume - Estrada Municipal Linha Triângulo									
Estaca	Área de Corte (m²)	Volume de Corte (m³)	Volume Reutilizável (m³)	Área de Aterro (m²)	Volume de Aterro (m³)	Volume Acumulado de Corte (m³)	Volume Acumulado Reutilizável (m³)	Volume Acumulado de Aterro (m³)	Volume Líquido (m³)
0+000.00	6.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+020.00	4.39	110.01	110.01	0.06	0.60	110.01	0.60	0.60	109.40
0+040.00	4.64	90.24	90.24	0.01	0.75	200.25	1.35	1.35	198.90
0+060.00	7.99	126.24	126.24	0.00	0.15	326.49	1.50	1.50	324.99
0+062.26	8.48	18.58	18.58	0.00	0.00	345.07	1.50	1.50	343.57
0+070.00	9.99	71.40	71.40	0.00	0.00	416.46	1.50	1.50	414.96
0+080.00	11.76	108.63	108.63	0.00	0.00	525.10	1.50	1.50	523.60
0+084.85	11.25	55.69	55.69	0.00	0.00	580.79	1.50	1.50	579.29
0+092.37	9.51	77.45	77.45	0.00	0.00	658.24	1.50	1.50	656.74
0+100.00	5.94	57.89	57.89	0.00	0.00	716.13	1.50	1.50	714.63
0+110.00	2.04	38.99	38.99	0.30	1.72	755.13	3.22	3.22	751.90
0+114.61	1.09	7.03	7.03	0.25	1.40	762.15	4.62	4.62	757.53
0+120.00	0.67	4.72	4.72	0.24	1.30	766.87	5.92	5.92	760.96
0+130.00	1.81	12.55	12.55	0.14	1.71	779.43	7.63	7.63	771.80
0+136.84	3.45	18.13	18.13	0.03	0.52	797.56	8.14	8.14	789.41
0+140.00	4.42	12.51	12.51	0.00	0.05	810.07	8.19	8.19	801.88
0+144.91	5.82	25.28	25.28	0.00	0.00	835.35	8.19	8.19	827.16
0+148.61	6.35	22.52	22.52	0.00	0.00	857.87	8.19	8.19	849.68
0+150.00	6.48	8.92	8.92	0.00	0.00	866.80	8.19	8.19	858.61
0+154.91	7.14	33.36	33.36	0.00	0.00	900.16	8.19	8.19	891.96
0+159.91	7.17	35.67	35.67	0.00	0.00	935.82	8.19	8.19	927.63
0+165.51	7.28	40.46	40.46	0.00	0.00	976.28	8.19	8.19	968.09
0+171.14	7.13	40.56	40.56	0.00	0.00	1,016.85	8.19	8.19	1,008.65
0+180.00	5.90	57.57	57.57	0.00	0.00	1,074.42	8.19	8.19	1,066.23
0+187.87	4.18	39.41	39.41	0.00	0.00	1,113.83	8.19	8.19	1,105.64
0+190.00	3.81	8.41	8.41	0.00	0.00	1,122.24	8.19	8.19	1,114.05
0+193.08	3.50	11.17	11.17	0.00	0.00	1,133.41	8.19	8.19	1,125.22
0+200.00	3.49	24.14	24.14	0.00	0.00	1,157.56	8.19	8.19	1,149.36
0+208.70	3.62	30.91	30.91	0.00	0.00	1,188.46	8.19	8.19	1,180.27
0+220.00	3.97	42.86	42.86	0.01	0.04	1,231.32	8.23	8.23	1,223.08
0+224.33	4.50	18.34	18.34	0.00	0.02	1,249.65	8.25	8.25	1,241.40
0+240.00	6.52	86.36	86.36	0.00	0.01	1,336.01	8.26	8.26	1,327.75
0+260.00	7.09	136.05	136.05	0.01	0.09	1,472.07	8.34	8.34	1,463.72
0+273.98	6.75	96.71	96.71	0.18	1.29	1,568.78	9.64	9.64	1,559.14
0+280.00	7.20	41.73	41.73	0.77	3.01	1,610.51	12.64	12.64	1,597.87
0+288.79	7.88	65.69	65.69	0.90	7.74	1,676.20	20.38	20.38	1,655.82
0+289.13	7.95	2.69	2.69	0.80	0.29	1,678.89	20.67	20.67	1,658.22
0+300.00	9.73	95.53	95.53	0.00	4.58	1,774.42	25.25	25.25	1,749.17
0+304.28	9.90	41.86	41.86	0.00	0.00	1,816.28	25.25	25.25	1,791.03
0+312.79	9.32	81.81	81.81	0.00	0.00	1,898.09	25.25	25.25	1,872.84
0+320.00	8.38	63.83	63.83	0.00	0.00	1,961.92	25.25	25.25	1,936.67
0+330.00	5.56	69.70	69.70	0.00	0.00	2,031.62	25.25	25.25	2,006.37
0+336.79	3.72	31.78	31.78	0.01	0.04	2,063.40	25.29	25.29	2,038.11
0+340.00	3.02	11.09	11.09	0.11	0.18	2,074.48	25.47	25.47	2,049.02
0+344.79	2.11	12.79	12.79	3.26	7.09	2,087.27	32.56	32.56	2,054.72
0+350.48	1.40	10.55	10.55	5.95	22.70	2,097.82	55.25	55.25	2,042.57
0+356.17	0.48	5.65	5.65	3.09	22.33	2,103.48	77.58	77.58	2,025.89
0+360.00	0.19	1.35	1.35	1.67	8.19	2,104.83	85.77	85.77	2,019.06
0+361.29	0.41	0.42	0.42	1.76	2.07	2,105.25	87.84	87.84	2,017.40
0+370.00	5.61	28.07	28.07	3.78	23.42	2,133.32	111.27	111.27	2,022.05
0+376.65	4.57	34.53	34.53	5.56	30.84	2,167.85	142.11	142.11	2,025.74
0+380.00	3.12	12.87	12.87	6.46	20.15	2,180.72	162.26	162.26	2,018.46
0+389.06	0.99	18.59	18.59	7.98	65.40	2,199.31	227.66	227.66	1,971.66
0+392.01	0.30	1.84	1.84	8.18	24.00	2,201.15	251.65	251.65	1,949.50
0+400.00	0.00	1.15	1.15	8.00	64.97	2,202.31	316.62	316.62	1,885.68
0+410.00	0.00	0.00	0.00	6.13	70.83	2,202.31	387.45	387.45	1,814.86
0+420.00	0.00	0.00	0.00	3.35	47.42	2,202.31	434.87	434.87	1,767.44
0+430.00	0.01	0.05	0.05	1.32	23.24	2,202.35	458.11	458.11	1,744.24
0+439.16	0.96	4.49	4.49	0.27	7.16	2,206.85	465.27	465.27	1,741.58
0+440.00	1.07	0.85	0.85	0.25	0.22	2,207.70	465.49	465.49	1,742.21
0+450.00	2.25	16.69	16.69	0.01	1.24	2,224.38	466.72	466.72	1,757.66
0+460.00	3.51	28.91	28.91	0.00	0.03	2,253.30	466.76	466.76	1,786.54
0+470.00	4.49	40.02	40.02	0.00	0.00	2,293.32	466.76	466.76	1,826.56
0+480.00	5.85	51.44	51.44	0.00	0.00	2,344.76	466.76	466.76	1,878.00
0+489.27	9.63	70.66	70.66	0.00	0.00	2,415.42	466.76	466.76	1,948.66
0+500.00	10.49	107.97	107.97	0.00	0.00	2,523.39	466.76	466.76	2,056.64
0+520.00	7.73	182.17	182.17	0.38	3.83	2,705.56	470.59	470.59	2,234.97
0+540.00	8.92	166.45	166.45	0.97	13.56	2,872.00	484.15	484.15	2,387.86
0+560.00	12.47	213.87	213.87	0.00	9.72	3,085.88	493.87	493.87	2,592.01
0+569.18	13.17	117.72	117.72	0.00	0.00	3,203.59	493.87	493.87	2,709.73
0+580.00	9.55	124.13	124.13	0.00	0.00	3,327.72	493.87	493.87	2,833.85
0+589.18	4.22	64.52	64.52	0.04	0.17	3,392.25	494.04	494.04	2,898.21
0+600.00	2.07	34.46	34.46	0.98	5.08	3,426.71	499.12	499.12	2,927.59
0+612.04	3.10	32.08	32.08	0.27	6.96	3,458.79	506.08	506.08	2,952.71
0+620.00	4.21	29.97	29.97	0.15	1.59	3,488.76	507.67	507.67	2,981.08
0+627.35	4.91	33.73	33.73	0.05	0.72	3,522.49	508.39	508.39	3,014.10
0+635.71	4.86	40.68	40.68	0.00	0.21	3,563.17	508.60	508.60	3,054.56
0+640.00	4.60	20.23	20.23	0.03	0.07	3,583.39	508.68	508.68	3,074.72
0+646.09	3.54	24.71	24.71	0.21	0.78	3,608.10	509.45	509.45	3,098.65
0+650.00	3.13	12.96	12.96	0.24	0.93	3,621.06	510.38	510.38	3,110.68
0+656.48	3.40	20.96	20.96	0.60	2.84	3,642.02	513.22	513.22	3,128.80
0+660.00	3.10	11.30	11.30	0.46	1.93	3,653.32	515.15	515.15	3,138.17
0+672.61	6.60	60.63	60.63	0.07	3.42	3,713.95	518.57	518.57	3,195.38
0+680.00	6.27	47.58	47.58	0.00	0.28	3,761.53	518.85	518.85	3,242.68
0+689.75	4.18	50.94	50.94	0.00	0.01	3,812.47	518.86	518.86	3,293.61
0+700.00	3.26	38.05	38.05	0.69	3.63	3,850.52	522.50	522.50	3,328.03

0+710.00	1.89	25.70	25.70	0.16	4.33	3,876.23	526.83	526.83	3,349.40
0+720.00	0.19	10.34	10.34	0.73	4.44	3,886.57	531.27	531.27	3,355.30
0+722.50	0.01	0.24	0.24	1.05	2.22	3,886.81	533.49	533.49	3,353.32
0+730.00	0.00	0.03	0.03	3.43	16.93	3,886.84	550.42	550.42	3,336.42
0+740.00	0.00	0.00	0.00	3.97	37.24	3,886.84	587.66	587.66	3,299.18
0+750.00	0.50	2.45	2.45	3.95	39.82	3,889.30	627.48	627.48	3,261.82
0+755.24	0.84	3.44	3.44	3.96	20.89	3,892.73	648.37	648.37	3,244.37
0+760.00	0.49	3.15	3.15	3.73	18.29	3,895.88	666.66	666.66	3,229.22
0+764.22	0.01	1.05	1.05	3.27	14.77	3,896.93	681.43	681.43	3,215.50
0+780.00	0.70	5.60	5.60	0.75	31.71	3,902.53	713.14	713.14	3,189.39
0+784.00	2.26	5.92	5.92	0.39	2.26	3,908.45	715.40	715.40	3,193.05
0+800.00	3.06	42.59	42.59	0.06	3.58	3,951.04	718.98	718.98	3,232.06
0+820.00	0.34	34.00	34.00	0.51	5.75	3,985.04	724.73	724.73	3,260.31
0+840.00	3.12	34.62	34.62	0.17	6.87	4,019.66	731.60	731.60	3,288.05
0+860.00	4.75	78.74	78.74	0.00	1.73	4,098.40	733.34	733.34	3,365.06
0+862.07	4.48	9.56	9.56	0.00	0.00	4,107.96	733.34	733.34	3,374.62
0+880.00	5.59	90.34	90.34	0.00	0.00	4,198.29	733.34	733.34	3,464.96
0+883.89	6.25	23.02	23.02	0.00	0.00	4,221.32	733.34	733.34	3,487.98
0+890.00	6.87	40.08	40.08	0.00	0.00	4,261.40	733.34	733.34	3,528.06
0+900.00	4.21	55.25	55.25	0.00	0.02	4,316.65	733.36	733.36	3,583.29
0+905.71	3.04	20.53	20.53	0.04	0.12	4,337.18	733.48	733.48	3,603.71
0+912.98	1.82	17.44	17.44	0.03	0.27	4,354.62	733.74	733.74	3,620.88
0+920.00	0.93	9.40	9.40	0.34	1.35	4,364.02	735.09	735.09	3,628.93
0+933.85	0.34	8.50	8.50	0.33	4.79	4,372.52	739.88	739.88	3,632.63
0+940.00	0.30	1.92	1.92	0.30	2.01	4,374.43	741.89	741.89	3,632.54
0+954.73	0.65	6.82	6.82	0.28	4.29	4,381.25	746.19	746.19	3,635.07
0+960.00	0.89	3.99	3.99	0.06	0.85	4,385.25	747.04	747.04	3,638.21
0+966.09	1.20	6.34	6.34	0.07	0.37	4,391.58	747.41	747.41	3,644.17
0+970.00	1.54	5.35	5.35	0.11	0.35	4,396.94	747.75	747.75	3,649.18
0+980.00	2.31	19.11	19.11	0.13	1.10	4,416.05	748.85	748.85	3,667.20
0+980.49	2.26	1.11	1.11	0.12	0.06	4,417.16	748.91	748.91	3,668.25
0+990.00	1.30	16.52	16.52	0.84	4.84	4,433.68	753.75	753.75	3,679.93
0+998.50	0.31	6.57	6.57	1.26	9.56	4,440.26	763.31	763.31	3,676.95
1+000.00	0.11	0.31	0.31	1.52	2.21	4,440.56	765.52	765.52	3,675.04
1+010.00	0.00	0.53	0.53	4.50	30.65	4,441.09	796.17	796.17	3,644.92
1+016.51	0.00	0.00	0.00	6.26	34.90	4,441.09	831.07	831.07	3,610.02
1+020.00	0.00	0.00	0.00	6.58	22.15	4,441.09	853.22	853.22	3,587.87
1+022.00	0.00	0.00	0.00	6.90	13.34	4,441.09	866.55	866.55	3,574.54
1+026.51	0.00	0.00	0.00	6.65	30.44	4,441.09	897.00	897.00	3,544.10
1+034.01	0.00	0.00	0.00	4.26	40.92	4,441.09	937.91	937.91	3,503.18
1+034.93	0.00	0.00	0.00	3.91	3.77	4,441.09	941.69	941.69	3,499.41
1+040.00	0.00	0.00	0.00	2.00	14.85	4,441.09	956.54	956.54	3,484.55
1+050.00	1.06	5.45	5.45	0.26	11.08	4,446.55	967.62	967.62	3,478.93
1+060.00	3.40	22.36	22.36	0.00	1.22	4,468.91	968.84	968.84	3,500.07
1+067.64	0.00	12.91	12.91	0.00	0.00	4,481.82	968.84	968.84	3,512.98
1+070.00	4.57	5.30	5.30	0.00	0.00	4,487.12	968.84	968.84	3,518.28
1+080.00	5.73	50.03	50.03	0.00	0.00	4,537.16	968.84	968.84	3,568.32
1+090.00	4.62	50.04	50.04	0.00	0.00	4,587.20	968.84	968.84	3,618.36
1+100.00	3.91	41.64	41.64	0.00	0.00	4,628.84	968.84	968.84	3,660.00
1+100.34	3.92	1.33	1.33	0.00	0.00	4,630.16	968.84	968.84	3,661.33
1+111.06	2.88	36.44	36.44	0.08	0.40	4,666.60	969.24	969.24	3,697.36
1+120.00	2.39	23.55	23.55	0.13	0.92	4,690.15	970.16	970.16	3,719.99
1+126.59	2.04	14.58	14.58	0.14	0.90	4,704.73	971.05	971.05	3,733.67
1+130.00	2.49	7.73	7.73	0.19	0.57	4,712.46	971.62	971.62	3,740.84
1+140.00	3.48	30.06	30.06	0.19	1.87	4,742.52	973.49	973.49	3,769.02
1+142.11	4.93	8.89	8.89	0.16	0.37	4,751.40	973.86	973.86	3,777.54
1+160.00	11.10	143.41	143.41	0.00	1.44	4,894.81	975.30	975.30	3,919.51
1+180.00	10.50	216.06	216.06	0.00	0.02	5,110.87	975.32	975.32	4,135.55
1+200.00	9.41	199.18	199.18	0.00	0.00	5,310.05	975.32	975.32	4,334.73
1+207.04	6.85	57.21	57.21	0.00	0.00	5,367.26	975.32	975.32	4,391.94
1+220.00	1.00	50.98	50.98	0.35	2.21	5,418.25	977.53	977.53	4,440.72
1+224.57	0.00	2.30	2.30	2.84	7.18	5,420.55	984.72	984.72	4,435.83
1+230.00	0.00	0.00	0.00	5.91	23.51	5,420.55	1,008.22	1,008.22	4,412.33
1+240.00	0.00	0.00	0.00	9.91	78.46	5,420.55	1,086.68	1,086.68	4,333.87
1+242.10	0.00	0.00	0.00	10.24	21.15	5,420.55	1,107.83	1,107.83	4,312.72
1+248.67	0.00	0.00	0.00	11.23	70.54	5,420.55	1,178.37	1,178.37	4,242.18
1+257.92	0.00	0.00	0.00	6.35	81.79	5,420.55	1,260.16	1,260.16	4,160.39
1+260.00	0.00	0.00	0.00	5.09	11.93	5,420.55	1,272.09	1,272.09	4,148.46
1+263.29	0.02	0.03	0.03	2.93	13.28	5,420.58	1,285.37	1,285.37	4,135.21
1+270.00	0.55	1.86	1.86	1.31	14.40	5,422.44	1,299.77	1,299.77	4,122.68
1+277.92	0.21	2.94	2.94	1.66	11.99	5,425.38	1,311.76	1,311.76	4,113.62
1+280.00	0.04	0.27	0.27	2.13	3.95	5,425.64	1,315.71	1,315.71	4,109.93
1+280.88	0.01	0.02	0.02	2.34	1.97	5,425.66	1,317.68	1,317.68	4,107.98
1+290.00	0.00	0.04	0.04	4.06	29.02	5,425.71	1,346.71	1,346.71	4,079.00
1+300.00	0.06	0.33	0.33	2.61	32.70	5,426.03	1,379.41	1,379.41	4,046.62
1+303.85	0.54	1.23	1.23	1.51	7.47	5,427.27	1,386.88	1,386.88	4,040.39
1+311.51	2.88	13.38	13.38	0.12	5.64	5,440.64	1,392.53	1,392.53	4,048.12
1+317.60	4.51	22.64	22.64	0.03	0.40	5,463.28	1,392.93	1,392.93	4,070.35
1+320.00	5.21	11.72	11.72	0.00	0.04	5,475.00	1,392.97	1,392.97	4,082.04
1+323.69	5.72	20.42	20.42	0.00	0.00	5,495.43	1,392.97	1,392.97	4,102.46
1+330.00	9.32	49.82	49.82	0.00	0.00	5,545.24	1,392.97	1,392.97	4,152.28
1+340.00	8.28	92.75	92.75	0.00	0.00	5,638.00	1,392.97	1,392.97	4,245.03
1+354.31	3.97	89.59	89.59	0.02	0.13	5,727.59	1,393.10	1,393.10	4,334.49
1+360.00	3.63	21.61	21.61	0.02	0.12	5,749.20	1,393.21	1,393.21	4,355.99
1+370.00	4.68	41.20	41.20	0.00	0.11	5,790.41	1,393.32	1,393.32	4,397.09
1+380.00	7.26	58.77	58.77	0.00	0.00	5,849.18	1,393.32	1,393.32	4,455.86
1+387.04	9.57	58.04	58.04	0.00	0.00	5,907.21	1,393.32	1,393.32	4,513.89
1+400.00	13.96	149.02	149.02	0.00	0.00	6,056.24	1,393.32	1,393.32	4,662.92
1+405.91	13.49	79.45	79.45	0.00	0.00	6,135.69	1,393.32	1,393.32	4,742.36
1+420.00	14.01	189.70	189.70	0.00	0.00	6,325.38	1,393.32	1,393.32	4,932.06

