

Volume Report

Project: D:\ARQUIVOS VINÍCIUS\1- PROJETOS MUNICÍPIOS\RANCHO QUEIMADO\3 - MORRO CHATO\ARQUIVOS DE PROJETO\1_1_GRANF_INFRA_PAV_RQ_MORRO_CHATO_COMPLETO.dwg

Alignment: Estrada Morro Chato

Sample Line Group: SL Etapa 1

Start Sta: 0+000.000

End Sta: 0+320.000

| 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.) |
|-----------|------------------------|--------------------------|-------------------------------|-------------------------|---------------------------|--------------------------------|-------------------------------------|------------------------------|--------------------------------|
| 0+000.000 | 1.05 | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0+010.000 | 0.31 | 6.80 | 6.80 | 0.60 | 5.68 | 6.80 | 6.80 | 5.68 | 1.12 |
| 0+020.000 | 0.49 | 4.00 | 4.00 | 0.55 | 5.76 | 10.79 | 10.79 | 11.44 | -0.64 |
| 0+023.097 | 0.80 | 2.00 | 2.00 | 0.36 | 1.41 | 12.80 | 12.80 | 12.85 | -0.05 |
| 0+030.000 | 1.24 | 6.99 | 6.99 | 0.36 | 2.49 | 19.79 | 19.79 | 15.34 | 4.45 |
| 0+030.043 | 1.24 | 0.05 | 0.05 | 0.36 | 0.02 | 19.84 | 19.84 | 15.35 | 4.49 |
| 0+035.000 | 1.78 | 7.44 | 7.44 | 0.19 | 1.39 | 27.28 | 27.28 | 16.74 | 10.54 |
| 0+036.989 | 2.32 | 4.03 | 4.03 | 0.10 | 0.29 | 31.31 | 31.31 | 17.04 | 14.28 |
| 0+040.000 | 1.60 | 5.84 | 5.84 | 0.14 | 0.36 | 37.15 | 37.15 | 17.40 | 19.75 |
| 0+045.000 | 1.69 | 8.27 | 8.27 | 0.19 | 0.78 | 45.41 | 45.41 | 18.18 | 27.23 |
| 0+046.989 | 1.91 | 3.61 | 3.61 | 0.16 | 0.32 | 49.03 | 49.03 | 18.50 | 30.53 |
| 0+050.000 | 1.85 | 5.69 | 5.69 | 0.18 | 0.50 | 54.72 | 54.72 | 19.00 | 35.72 |
| 0+055.000 | 2.06 | 9.74 | 9.74 | 0.02 | 0.50 | 64.45 | 64.45 | 19.50 | 44.96 |
| 0+056.989 | 2.15 | 4.15 | 4.15 | 0.00 | 0.02 | 68.60 | 68.60 | 19.52 | 49.08 |
| 0+060.000 | 2.10 | 6.40 | 6.40 | 0.01 | 0.03 | 75.00 | 75.00 | 19.55 | 55.45 |
| 0+070.000 | 1.31 | 17.06 | 17.06 | 0.14 | 0.79 | 92.06 | 92.06 | 20.33 | 71.72 |
| 0+076.910 | 0.87 | 7.52 | 7.52 | 0.51 | 2.27 | 99.58 | 99.58 | 22.60 | 76.98 |
| 0+080.000 | 0.74 | 2.49 | 2.49 | 0.65 | 1.78 | 102.07 | 102.07 | 24.38 | 77.69 |
| 0+083.300 | 0.94 | 2.77 | 2.77 | 1.06 | 2.80 | 104.84 | 104.84 | 27.18 | 77.67 |
| 0+085.000 | 0.89 | 1.56 | 1.56 | 1.02 | 1.77 | 106.40 | 106.40 | 28.95 | 77.45 |
| 0+090.000 | 0.79 | 4.23 | 4.23 | 0.70 | 4.22 | 110.63 | 110.63 | 33.17 | 77.46 |
| 0+100.000 | 1.53 | 11.61 | 11.61 | 0.09 | 3.97 | 122.24 | 122.24 | 37.14 | 85.10 |
| 0+110.000 | 0.99 | 12.60 | 12.60 | 0.29 | 1.93 | 134.85 | 134.85 | 39.07 | 95.77 |
| 0+120.000 | 0.59 | 7.92 | 7.92 | 0.50 | 3.94 | 142.77 | 142.77 | 43.01 | 99.76 |
| 0+130.000 | 0.49 | 5.41 | 5.41 | 0.34 | 4.19 | 148.18 | 148.18 | 47.20 | 100.97 |
| 0+132.987 | 0.57 | 1.58 | 1.58 | 0.24 | 0.89 | 149.75 | 149.75 | 48.09 | 101.66 |
| 0+140.000 | 0.88 | 5.09 | 5.09 | 0.06 | 1.07 | 154.84 | 154.84 | 49.16 | 105.68 |
| 0+145.000 | 1.06 | 4.85 | 4.85 | 0.22 | 0.73 | 159.69 | 159.69 | 49.89 | 109.80 |
| 0+150.000 | 3.37 | 10.76 | 10.76 | 0.00 | 0.58 | 170.45 | 170.45 | 50.47 | 119.98 |
| 0+155.000 | 4.78 | 19.47 | 19.47 | 0.00 | 0.01 | 189.92 | 189.92 | 50.48 | 139.44 |
| 0+160.000 | 4.63 | 22.30 | 22.30 | 0.06 | 0.16 | 212.22 | 212.22 | 50.64 | 161.59 |
| 0+165.000 | 4.72 | 22.07 | 22.07 | 0.11 | 0.45 | 234.29 | 234.29 | 51.08 | 183.21 |
| 0+170.000 | 3.46 | 19.20 | 19.20 | 0.83 | 2.48 | 253.50 | 253.50 | 53.56 | 199.94 |
| 0+176.989 | 1.67 | 16.70 | 16.70 | 1.35 | 8.01 | 270.19 | 270.19 | 61.57 | 208.63 |

| | | | | | | | | | |
|------------|------|-------|-------|------|------|--------|--------|--------|--------|
| 0+ 180.000 | 1.34 | 4.22 | 4.22 | 1.28 | 4.15 | 274.41 | 274.41 | 65.71 | 208.70 |
| 0+ 186.643 | 0.31 | 5.10 | 5.10 | 1.44 | 9.40 | 279.51 | 279.51 | 75.11 | 204.40 |
| 0+ 190.000 | 0.40 | 1.12 | 1.12 | 1.50 | 5.16 | 280.63 | 280.63 | 80.27 | 200.35 |
| 0+ 195.000 | 0.97 | 3.32 | 3.32 | 1.02 | 6.65 | 283.94 | 283.94 | 86.92 | 197.03 |
| 0+ 200.000 | 1.68 | 6.57 | 6.57 | 0.11 | 2.86 | 290.51 | 290.51 | 89.78 | 200.73 |
| 0+ 210.000 | 3.37 | 25.25 | 25.25 | 0.00 | 0.56 | 315.77 | 315.77 | 90.34 | 225.43 |
| 0+ 220.000 | 4.03 | 37.02 | 37.02 | 0.00 | 0.00 | 352.78 | 352.78 | 90.34 | 262.44 |
| 0+ 230.000 | 4.05 | 40.40 | 40.40 | 0.00 | 0.03 | 393.18 | 393.18 | 90.37 | 302.81 |
| 0+ 240.000 | 2.29 | 31.68 | 31.68 | 0.00 | 0.03 | 424.86 | 424.86 | 90.41 | 334.45 |
| 0+ 250.000 | 1.69 | 19.89 | 19.89 | 0.04 | 0.19 | 444.75 | 444.75 | 90.59 | 354.16 |
| 0+ 260.000 | 1.48 | 15.84 | 15.84 | 0.20 | 1.18 | 460.59 | 460.59 | 91.77 | 368.82 |
| 0+ 270.000 | 1.21 | 13.45 | 13.45 | 0.38 | 2.91 | 474.05 | 474.05 | 94.68 | 379.36 |
| 0+ 280.000 | 0.84 | 10.28 | 10.28 | 0.44 | 4.11 | 484.33 | 484.33 | 98.80 | 385.53 |
| 0+ 290.000 | 0.80 | 8.22 | 8.22 | 0.09 | 2.65 | 492.55 | 492.55 | 101.45 | 391.10 |
| 0+ 300.000 | 0.86 | 8.29 | 8.29 | 0.30 | 1.96 | 500.84 | 500.84 | 103.40 | 397.43 |
| 0+ 310.000 | 1.20 | 10.31 | 10.31 | 0.11 | 2.05 | 511.15 | 511.15 | 105.46 | 405.70 |
| 0+ 320.000 | 1.86 | 15.32 | 15.32 | 0.05 | 0.81 | 526.47 | 526.47 | 106.27 | 420.20 |
| 0+ 320.000 | 1.86 | 0.00 | 0.00 | 0.05 | 0.00 | 526.47 | 526.47 | 106.27 | 420.20 |