

| RAMO 750 – RUA JOSÉ DE MELLO |           |        |          |        |                 |              |               |               |             |
|------------------------------|-----------|--------|----------|--------|-----------------|--------------|---------------|---------------|-------------|
| PI                           | R (m)     | D (m)  | Ac       | T (m)  | Pontos Notáveis | Estacas      | N             | E             |             |
| -                            | -         | -      | -        | -      | INÍCIO          | 750+0,000    | 7.467.351,068 | 761.635,478   |             |
| 751                          | 1.400,000 | 21,100 | 0°51'49" | 10,550 | PC              | 753+5,373    | 7.467.341,586 | 761.700,159   |             |
|                              |           |        |          |        | PI              | 7467.340,056 | 761.700,598   |               |             |
|                              |           |        |          |        | PT              | 754+6,473    | 7.467.338,683 | 761.721,059   |             |
| 752                          | 800,000   | 22,558 | 1°36'56" | 11,280 | PC              | 754+11,130   | 7.467.338,058 | 761.725,674   |             |
|                              |           |        |          |        | PI              | 755+13,688   | 7.467.334,713 | 761.747,982   |             |
|                              |           |        |          |        | PT              |              |               |               |             |
| 753                          | 500,000   | 20,191 | 2°18'49" | 10,097 | PC              | 755+15,515   | 7.467.334,417 | 761.749,784   |             |
|                              |           |        |          |        | PI              | 756+15,705   | 7.467.332,780 | 761.759,747   |             |
|                              |           |        |          |        | PT              | 757+19,288   | 7.467.328,959 | 761.793,209   |             |
| 754                          | 1.200,000 | 24,696 | 1°10'45" | 12,349 | PC              | 757+19,288   | 7.467.328,959 | 761.793,209   |             |
|                              |           |        |          |        | PI              | 759+3,985    | 7.467.327,605 | 761.805,483   |             |
|                              |           |        |          |        | PT              |              | 759+3,985     | 7.467.325,998 | 761.817,727 |
| -                            | -         | -      | -        | -      | FIM             | 761+0,000    | 7.467.321,312 | 761.853,436   |             |

| RAMO 800 – RUA MATIAS MACHADO DOS SANTOS |           |        |           |        |                 |            |               |             |  |
|------------------------------------------|-----------|--------|-----------|--------|-----------------|------------|---------------|-------------|--|
| PI                                       | R (m)     | D (m)  | Ac        | T (m)  | Pontos Notáveis | Estacas    | N             | E           |  |
| -                                        | -         | -      | -         | -      | INÍCIO          | 800+0,000  | 7.467.337,009 | 761.733,150 |  |
| 801                                      | 6,000     | 9,345  | 89°14'21" | 5,921  | PC              | 802+6,376  | 7.467.291,152 | 761.726,230 |  |
|                                          |           |        |           |        | PI              | 803+19,709 | 7.467.280,442 | 761.754,860 |  |
|                                          |           |        |           |        | PT              | 805+0,190  | 7.467.278,780 | 761.764,365 |  |
| 802                                      | 600,000   | 20,480 | 1°57'21"  | 10,241 | PC              | 803+19,709 | 7.467.280,442 | 761.754,860 |  |
|                                          |           |        |           |        | PI              | 805+0,190  | 7.467.278,780 | 761.764,365 |  |
|                                          |           |        |           |        | PT              |            | 7.467.276,774 | 761.775,008 |  |
| 803                                      | 190,000   | 20,149 | 6°04'34"  | 10,084 | PC              | 805+4,072  | 7.467.276,013 | 761.778,815 |  |
|                                          |           |        |           |        | PI              | 806+4,221  | 7.467.273,120 | 761.798,746 |  |
|                                          |           |        |           |        | PT              |            |               |             |  |
| 804                                      | 700,000   | 28,523 | 2°20'05"  | 14,263 | PC              | 806+4,983  | 7.467.273,051 | 761.799,504 |  |
|                                          |           |        |           |        | PI              | 807+13,506 | 7.467.271,753 | 761.813,708 |  |
|                                          |           |        |           |        | PT              |            |               |             |  |
| 805                                      | 300,000   | 29,126 | 5°33'45"  | 14,574 | PC              | 807+19,440 | 7.467.269,097 | 761.833,730 |  |
|                                          |           |        |           |        | PI              | 809+8,565  | 7.467.267,181 | 761.848,178 |  |
|                                          |           |        |           |        | PT              |            |               |             |  |
| 806                                      | 60,000    | 18,260 | 17°26'13" | 9,201  | PC              | 809+13,421 | 7.467.262,771 | 761.867,101 |  |
|                                          |           |        |           |        | PI              | 810+11,681 | 7.467.260,683 | 761.876,062 |  |
|                                          |           |        |           |        | PT              |            |               |             |  |
| 807                                      | 120,000   | 23,701 | 11°18'59" | 11,889 | PC              | 810+12,833 | 7.467.261,462 | 761.886,385 |  |
|                                          |           |        |           |        | PI              | 811+16,534 | 7.467.260,909 | 761.910,042 |  |
|                                          |           |        |           |        | PT              |            |               |             |  |
| 808                                      | 1.000,000 | 20,963 | 1°12'04"  | 10,482 | PC              | 813+17,243 | 7.467.255,949 | 761.950,448 |  |
|                                          |           |        |           |        | PI              | 814+18,206 | 7.467.254,672 | 761.960,851 |  |
|                                          |           |        |           |        | PT              |            |               |             |  |
| 809                                      | 520,000   | 21,202 | 2°20'10"  | 10,602 | PC              | 816+0,296  | 7.467.250,027 | 761.993,090 |  |
|                                          |           |        |           |        | PI              | 817+14,998 | 7.467.248,515 | 762.003,584 |  |
|                                          |           |        |           |        | PT              |            |               |             |  |
| 810                                      | 225,000   | 20,358 | 5°11'03"  | 10,186 | PC              | 817+14,979 | 7.467.248,096 | 762.021,144 |  |
|                                          |           |        |           |        | PI              | 818+14,937 | 7.467.245,055 | 762.031,277 |  |
|                                          |           |        |           |        | PT              |            |               |             |  |
| 811                                      | 200,000   | 21,057 | 6°10'57"  | 10,538 | PC              | 819+3,928  | 7.467.241,380 | 762.056,098 |  |
|                                          |           |        |           |        | PI              | 820+4,985  | 7.467.239,361 | 762.066,441 |  |
|                                          |           |        |           |        | PT              |            |               |             |  |
| 812                                      | 520,000   | 20,072 | 2°12'42"  | 10,037 | PC              | 821+8,968  | 7.467.236,344 | 762.100,830 |  |
|                                          |           |        |           |        | PI              | 822+9,040  | 7.467.235,466 | 762.110,829 |  |
|                                          |           |        |           |        | PT              |            |               |             |  |
| 813                                      | 10,000    | 16,885 | 96°44'28" | 11,252 | PC              | 823+7,857  | 7.467.231,837 | 762.139,454 |  |
|                                          |           |        |           |        | PI              | 824+4,741  | 7.467.230,421 | 762.150,616 |  |
|                                          |           |        |           |        | PT              |            |               |             |  |
| 814                                      | 400,000   | 20,113 | 2°52'52"  | 10,059 | PC              | 824+5,034  | 7.467.241,965 | 762.150,734 |  |
|                                          |           |        |           |        | PI              | 825+5,167  | 7.467.240,023 | 762.150,799 |  |
|                                          |           |        |           |        | PT              |            |               |             |  |
| 815                                      | 90,000    | 13,012 | 8°17'02"  | 6,518  | PC              | 825+8,298  | 7.467.240,023 | 762.150,799 |  |
|                                          |           |        |           |        | PI              | 826+1,310  | 7.467.238,440 | 762.151,389 |  |
|                                          |           |        |           |        | PT              |            |               |             |  |
| 816                                      | 45,000    | 14,194 | 18°04'20" | 7,156  | PC              | 826+1,931  | 7.467.238,440 | 762.151,389 |  |
|                                          |           |        |           |        | PI              | 826+16,125 | 7.467.238,440 | 762.151,389 |  |
|                                          |           |        |           |        | PT              |            |               |             |  |
| 817                                      | 140,000   | 21,780 | 8°54'48"  | 10,912 | PC              | 826+17,587 | 7.467.234,352 | 762.152,693 |  |
|                                          |           |        |           |        | PI              | 827+19,367 | 7.467.230,977 | 762.155,176 |  |
|                                          |           |        |           |        | PT              |            |               |             |  |
| -                                        | -         | -      | -         | -      | FIM             | 829+12,347 | 7.467.348,748 | 762.158,422 |  |

| RAMO 850 – RUA 12 E RUA JAMELÃO |           |        |           |        |                 |            |               |             |  |
|---------------------------------|-----------|--------|-----------|--------|-----------------|------------|---------------|-------------|--|
| PI                              | R (m)     | D (m)  | Ac        | T (m)  | Pontos Notáveis | Estacas    | N             | E           |  |
| -                               | -         | -      | -         | -      | INÍCIO          | 850+0,000  | 7.467.650,108 | 761.938,440 |  |
| 851                             | 1.500,000 | 20,871 | 0°47'50"  | 10,436 | PC              | 851+13,476 | 7.467.616,777 | 761.935,328 |  |
|                                 |           |        |           |        | PI              | 852+14,347 | 7.467.606,387 | 761.934,358 |  |
|                                 |           |        |           |        | PT              |            | 7.467.596,011 | 761.933,243 |  |
| 852                             | 4.000,000 | 21,161 | 0°18'11"  | 10,581 | PC              | 853+6,861  | 7.467.583,568 | 761.931,907 |  |
|                                 |           |        |           |        | PI              |            | 7.467.573,048 | 761.930,777 |  |
|                                 |           |        |           |        | PT              | 854+8,022  |               | 761.929,702 |  |
| 853                             | 210,000   | 21,146 | 5°51'54"  | 10,757 | PC              | 854+16,900 | 7.467.553,690 | 761.928,801 |  |
|                                 |           |        |           |        | PI              |            | 7.467.542,988 | 761.927,709 |  |
|                                 |           |        |           |        | PT              | 855+18,396 |               | 761.925,529 |  |
| 854                             | 110,000   | 20,475 | 10°39'54" | 10,267 | PC              | 856+0,968  | 7.467.529,935 | 761.925,007 |  |
|                                 |           |        |           |        | PI              |            | 7.467.519,881 | 761.922,227 |  |
|                                 |           |        |           |        | PT              | 857+14,444 |               | 761.922,743 |  |
| 855                             | 350,000   | 22,175 | 3°37'48"  | 11,091 | PC              | 857+11,194 | 7.467.499,866 | 761.922,568 |  |
|                                 |           |        |           |        | PI              |            | 7.467.488,777 | 761.922,369 |  |
|                                 |           |        |           |        | PT              | 858+13,369 |               | 761.921,468 |  |
| 856                             | 1.200,000 | 20,733 | 0°58'22"  | 10,187 | PC              | 859+4,639  | 7.467.466,490 | 761.920,553 |  |
|                                 |           |        |           |        | PI              |            | 7.467.456,337 | 761.919,726 |  |
|                                 |           |        |           |        | PT              | 860+5,012  |               | 761.918,726 |  |
| 857                             | 650,000   | 20,751 | 1°49'45"  | 10,376 | PC              | 860+5,796  | 7.467.444,518 | 761.918,649 |  |
|                                 |           |        |           |        | PI              |            | 7.467.435,092 | 761.917,631 |  |
|                                 |           |        |           |        | PT              | 861+6,547  |               | 761.916,904 |  |
| 858                             | 280,000   | 20,284 | 4°09'03"  | 10,147 | PC              | 862+6,431  | 7.467.424,738 | 761.916,944 |  |
|                                 |           |        |           |        | PI              |            | 7.467.404,899 | 761.915,625 |  |
|                                 |           |        |           |        | PT              | 863+6,715  |               | 761.913,549 |  |
| 859                             | 220,000   | 20,512 | 5°20'31"  | 10,263 | PC              | 863+12,611 | 7.467.378,886 | 761.912,733 |  |
|                                 |           |        |           |        | PI              |            | 7.467.368,722 | 761.911,314 |  |
|                                 |           |        |           |        | PT              | 864+13,123 |               | 761.910,846 |  |
| 860                             | 150,000   | 18,090 | 6°54'35"  | 9,056  | PC              | 864+13,912 | 7.467.357,680 | 761.910,823 |  |
|                                 |           |        |           |        | PI              |            | 7.467.348,628 | 761.910,562 |  |
|                                 |           |        |           |        | PT              | 865+12,001 |               | 761.909,213 |  |
| 861                             | 150,000   | 20,327 | 7°45'52"  | 10,179 | PC              | 865+15,011 | 7.467.336,697 | 761.908,765 |  |
|                                 |           |        |           |        | PI              |            | 7.467.326,631 | 761.907,249 |  |
|                                 |           |        |           |        | PT              | 866+15,339 |               | 761.907,107 |  |
| 862                             | 150,000   | 20,775 | 7°56'08"  | 10,404 | PC              | 866+16,133 | 7.467.315,658 | 761.907,096 |  |
|                                 |           |        |           |        | PI              |            | 7.467.305,255 | 761.906,950 |  |
|                                 |           |        |           |        | PT              | 867+16,908 |               | 761.905,370 |  |
| 863                             | 175,000   | 21,206 | 6°56'34"  | 10,616 | PC              | 868+4,682  | 7.467.287,288 | 761.904,189 |  |
|                                 |           |        |           |        | PI              |            | 7.467.276,795 | 761.902,577 |  |
|                                 |           |        |           |        | PT              | 869+5,888  |               | 761.902,245 |  |
|                                 |           |        | -         | -      | FIM             | 869+10,458 | 7.467.261,617 | 761.902,102 |  |



| RAMO 1250 - RUA SEM NOME 7 |        |        |           |        |                 |             |               |             |
|----------------------------|--------|--------|-----------|--------|-----------------|-------------|---------------|-------------|
| PI                         | R (m)  | D (m)  | Ac        | T (m)  | Pontos Notáveis | Estacas     | N             | E           |
| -                          | -      | -      | -         | -      | INÍCIO          | 1250+0,000  | 7.467.530,208 | 762.070,169 |
| 1251                       | 15,018 | 10,308 | 39°19'29" | 5,366  | PC              | 1251+8,216  | 7.467.545,488 | 762.093,890 |
|                            |        |        |           |        | PI              | 1251+8,216  | 7.467.548,393 | 762.098,401 |
|                            |        |        |           |        | PT              | 1251+18,523 | 7.467.547,182 | 762.103,732 |
| 1253                       | 8,000  | 12,564 | 89°58'46" | 7,997  | PC              | 1253+3,633  | 7.467.544,923 | 762.128,679 |
|                            |        |        |           |        | PI              | 1253+3,633  | 7.467.544,013 | 762.136,624 |
|                            |        |        |           |        | PT              | 1253+16,191 | 7.467.551,958 | 762.137,538 |
| 1252                       | 16,992 | 20,875 | 70°23'25" | 11,984 | PC              | 1254+13,124 | 7.467.568,375 | 762.139,471 |
|                            |        |        |           |        | PI              | 1254+13,124 | 7.467.580,680 | 762.140,840 |
|                            |        |        |           |        | PT              | 1255+13,999 | 7.467.583,386 | 762.152,514 |
| -                          | -      | -      | -         | -      | FIM             | 1259+0,618  | 7.467.598,431 | 762.217,412 |

| RAMO 1350 - ESTRADA MUNICIPAL |         |        |           |        |                 |             |               |             |
|-------------------------------|---------|--------|-----------|--------|-----------------|-------------|---------------|-------------|
| PI                            | R (m)   | D (m)  | Ac        | T (m)  | Pontos Notáveis | Estacas     | N             | E           |
| -                             | -       | -      | -         | -      | INÍCIO          | 1350+0,000  | 7.467.482,113 | 762.090,619 |
| 1351                          | 280,000 | 19,973 | 4°05'13"  | 9,991  | PC              | 1350+11,905 | 7.467.470,731 | 762.092,420 |
|                               |         |        |           |        | PI              | 1350+11,905 | 7.467.440,883 | 762.093,985 |
|                               |         |        |           |        | PT              | 1351+11,478 | 7.467.451,552 | 762.096,249 |
| 1352                          | 280,000 | 19,971 | 4°05'12"  | 9,990  | PC              | 1352+1,642  | 7.467.441,252 | 762.098,552 |
|                               |         |        |           |        | PI              | 1352+1,642  | 7.467.431,522 | 762.100,816 |
|                               |         |        |           |        | PT              | 1353+1,613  | 7.467.421,656 | 762.102,380 |
| 1353                          | 140,000 | 21,817 | 8°55'43"  | 10,930 | PC              | 1353+0,888  | 7.467.412,496 | 762.103,833 |
|                               |         |        |           |        | PI              | 1353+0,888  | 7.467.401,700 | 762.105,544 |
|                               |         |        |           |        | PT              | 1354+12,704 | 7.467.391,301 | 762.108,911 |
| 1354                          | 50,000  | 22,575 | 25°52'10" | 11,483 | PC              | 1354+18,142 | 7.467.386,128 | 762.110,586 |
|                               |         |        |           |        | PI              | 1354+18,142 | 7.467.375,203 | 762.116,123 |
|                               |         |        |           |        | PT              | 1356+0,717  | 7.467.366,955 | 762.122,072 |
| 1355                          | 38,000  | 21,673 | 32°04'42" | 11,140 | PC              | 1356+7,117  | 7.467.362,297 | 762.126,502 |
|                               |         |        |           |        | PI              | 1356+7,117  | 7.467.354,354 | 762.136,214 |
|                               |         |        |           |        | PT              | 1357+8,790  | 7.467.351,655 | 762.145,046 |
| 1356                          | 115,000 | 21,279 | 10°36'06" | 10,670 | PC              | 1357+14,176 | 7.467.350,396 | 762.150,283 |
|                               |         |        |           |        | PI              | 1357+14,176 | 7.467.347,903 | 762.160,657 |
|                               |         |        |           |        | PT              | 1358+15,455 | 7.467.347,361 | 762.171,313 |
| -                             | -       | -      | -         | -      | FIM             | 1359+17,136 | 7.467.346,259 | 762.192,966 |

| RAMO 1400 - RUA SEM NOME 6 |         |        |          |        |                 |             |               |             |
|----------------------------|---------|--------|----------|--------|-----------------|-------------|---------------|-------------|
| PI                         | R (m)   | D (m)  | Ac       | T (m)  | Pontos Notáveis | Estacas     | N             | E           |
| -                          | -       | -      | -        | -      | INÍCIO          | 1400+0,000  | 7.467.439,657 | 762.008,589 |
| 1401                       | 210,000 | 20,756 | 5°39'47" | 10,387 | PC              | 1400+1,846  | 7.467.439,353 | 762.010,410 |
|                            |         |        |          |        | PI              | 1401+2,603  | 7.467.437,643 | 762.020,655 |
|                            |         |        |          |        | PT              | 1401+2,603  | 7.467.436,952 | 762.031,018 |
| 1402                       | 250,000 | 22,269 | 5°06'14" | 11,142 | PC              | 1401+4,556  | 7.467.436,822 | 762.032,968 |
|                            |         |        |          |        | PI              | 1402+6,826  | 7.467.436,081 | 762.044,085 |
|                            |         |        |          |        | PT              | 1402+6,826  | 7.467.434,353 | 762.055,092 |
| 1403                       | 750,000 | 20,620 | 1°34'31" | 10,311 | PC              | 1402+12,382 | 7.467.433,492 | 762.060,581 |
|                            |         |        |          |        | PI              | 1403+13,002 | 7.467.432,184 | 762.070,809 |
|                            |         |        |          |        | PT              | 1403+13,002 | 7.467.430,596 | 762.080,996 |
| -                          | -       | -      | -        | -      | FIM             | 1404+13,658 | 7.467.427,414 | 762.101,406 |

| RAMO 1450 - RUA SEM NOME 8 |        |        |           |       |                 |             |               |             |
|----------------------------|--------|--------|-----------|-------|-----------------|-------------|---------------|-------------|
| PI                         | R (m)  | D (m)  | Ac        | T (m) | Pontos Notáveis | Estacas     | N             | E           |
| -                          | -      | -      | -         | -     | INÍCIO          | 1450+0,000  | 7.467.380,903 | 762.067,366 |
| 1451                       | 90,000 | 18,323 | 11°39'52" | 9,193 | PC              | 1451+5,198  | 7.467.387,285 | 762.032,751 |
|                            |        |        |           |       | PI              | 1452+13,521 | 7.467.388,952 | 762.023,711 |
|                            |        |        |           |       | PT              | 1452+13,521 | 7.467.388,757 | 762.014,520 |
| 1452                       | 10,000 | 10,078 | 57°44'36" | 5,514 | PC              | 1452+13,521 | 7.467.388,757 | 762.014,520 |
|                            |        |        |           |       | PI              | 1453+3,599  | 7.467.393,376 | 762.009,006 |
|                            |        |        |           |       | PT              | 1453+3,599  | 7.467.393,376 | 762.006,039 |
| -                          | -      | -      | -         | -     | FIM             | 1453+12,000 | 7.467.400,459 | 762.001,518 |

| RAMO 1500 - RUA DAS ARARAS |         |        |           |        |                 |             |               |             |
|----------------------------|---------|--------|-----------|--------|-----------------|-------------|---------------|-------------|
| PI                         | R (m)   | D (m)  | Ac        | T (m)  | Pontos Notáveis | Estacas     | N             | E           |
| -                          | -       | -      | -         | -      | INÍCIO          | 1500+0,000  | 7.467.400,765 | 761.976,559 |
| 1501                       | 110,005 | 19,989 | 10°24'40" | 10,022 | PC              | 1501+16,954 | 7.467.363,886 | 761.974,194 |
|                            |         |        |           |        | PI              | 1502+16,943 | 7.467.353,885 | 761.973,553 |
|                            |         |        |           |        | PT              | 1502+16,943 | 7.467.343,932 | 761.974,729 |
| 1502                       | 37,000  | 19,433 | 30°05'35" | 9,946  | PC              | 1502+16,943 | 7.467.343,932 | 761.974,729 |
|                            |         |        |           |        | PI              | 1503+16,377 | 7.467.334,054 | 761.973,888 |
|                            |         |        |           |        | PT              | 1503+16,377 | 7.467.324,925 | 761.971,938 |
| 1503                       | 600,000 | 48,185 | 4°36'05"  | 24,105 | PC              | 1504+19,972 | 7.467.303,271 | 761.962,567 |
|                            |         |        |           |        | PI              | 1504+19,972 | 7.467.281,148 | 761.952,994 |
|                            |         |        |           |        | PT              | 1507+8,156  | 7.467.258,329 | 761.945,226 |
| -                          | -       | -      | -         | -      | FIM             | 1507+9,945  | 7.467.256,636 | 761.944,649 |

| RAMO 1550 - RUA DOS CANÁRIOS |         |        |           |        |                 |             |               |             |
|------------------------------|---------|--------|-----------|--------|-----------------|-------------|---------------|-------------|
| PI                           | R (m)   | D (m)  | Ac        | T (m)  | Pontos Notáveis | Estacas     | N             | E           |
| -                            | -       | -      | -         | -      | INÍCIO          | 1550+0,000  | 7.467.246,917 | 762.019,148 |
| 1551                         | 80,000  | 19,906 | 14°15'24" | 10,005 | PC              | 1550+10,888 | 7.467.256,508 | 762.024,301 |
|                              |         |        |           |        | PI              | 1551+10,794 | 7.467.245,321 | 762.029,035 |
|                              |         |        |           |        | PT              | 1551+10,794 | 7.467.232,688 | 762.035,794 |
| 1552                         | 200,000 | 24,569 | 7°02'19"  | 12,300 | PC              | 1551+17,677 | 7.467.277,772 | 762.040,445 |
|                              |         |        |           |        | PI              | 1553+2,246  | 7.467.286,814 | 762.048,755 |
|                              |         |        |           |        | PT              | 1553+2,246  | 7.467.296,859 | 762.055,891 |
| 1553                         | 50,000  | 10,079 | 11°32'58" | 5,057  | PC              | 1553+19,683 | 7.467.311,061 | 762.066,007 |
|                              |         |        |           |        | PI              | 1554+9,761  | 7.467.315,180 | 762.068,940 |
|                              |         |        |           |        | PT              | 1554+9,761  | 7.467.319,802 | 762.070,990 |
| 1554                         | 25,000  | 4,808  | 11°01'08" | 2,411  | PC              | 1554+9,761  | 7.467.319,802 | 762.070,990 |
|                              |         |        |           |        | PI              | 1554+14,569 | 7.467.322,022 | 762.071,933 |
|                              |         |        |           |        | PT              | 1554+14,569 | 7.467.324,020 | 762.073,282 |
| -                            | -       | -      | -         | -      | FIM             | 1555+2,000  | 7.467.330,178 | 762.077,441 |

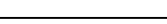
| RAMO 1600 - RUA A |           |        |           |        |                 |             |               |             |
|-------------------|-----------|--------|-----------|--------|-----------------|-------------|---------------|-------------|
| PI                | R (m)     | D (m)  | Ac        | T (m)  | Pontos Notáveis | Estacas     | N             | E           |
| -                 | -         | -      | -         | -      | INÍCIO          | 1600+0,000  | 7.467.363,040 | 762.193,617 |
| 1603              | 76,000    | 20,210 | 15°14'11" | 10,165 | PC              | 1600+3,727  | 7.467.363,487 | 762.197,317 |
|                   |           |        |           |        | PI              | 1601+3,931  | 7.467.364,705 | 762.207,409 |
|                   |           |        |           |        | PT              | 1601+3,931  | 7.467.363,227 | 762.217,466 |
| 1604              | 1.200,000 | 20,587 | 0°58'59"  | 10,294 | PC              | 1602+11,538 | 7.467.359,216 | 762.244,774 |
|                   |           |        |           |        | PI              | 1602+11,538 | 7.467.357,720 | 762.254,958 |
|                   |           |        |           |        | PT              | 1603+12,125 | 7.467.356,399 | 762.265,167 |
| 1601              | 14,000    | 21,850 | 89°25'22" | 13,860 | PC              | 1604+12,334 | 7.467.352,027 | 762.285,208 |
|                   |           |        |           |        | PI              | 1605+14,184 | 7.467.338,265 | 762.297,313 |
|                   |           |        |           |        | PT              | 1609+10,892 | 7.467.262,095 | 762.288,236 |
| 1602              | 930,000   | 20,105 | 1°14'19"  | 10,053 | PC              | 1601+0,997  | 7.467.252,113 | 762.287,046 |
|                   |           |        |           |        | PI              | 1611+15,326 | 7.467.242,159 | 762.285,641 |
|                   |           |        |           |        | FIM             | 1611+15,326 | 7.467.218,069 | 762.282,240 |

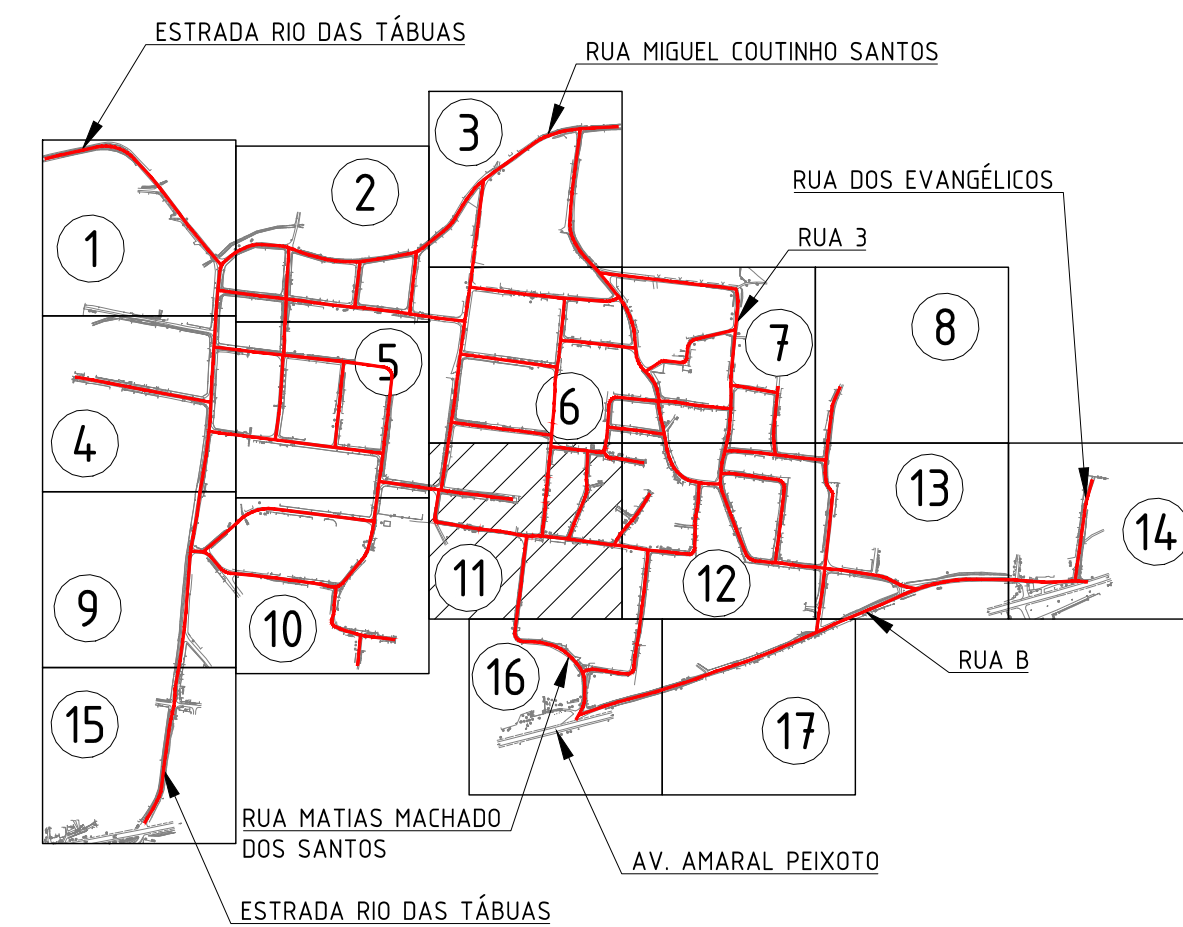
| RAMO 1650 - RUA QUATRO |         |        |           |        |                 |             |               |             |
|------------------------|---------|--------|-----------|--------|-----------------|-------------|---------------|-------------|
| PI                     | R (m)   | D (m)  | Ac        | T (m)  | Pontos Notáveis | Estacas     | N             | E           |
| -                      | -       | -      | -         | -      | INÍCIO          | 1650+0,000  | 7.467.399,944 | 762.199,849 |
| 1651                   | 93,000  | 20,404 | 12°34'15" | 10,243 | PC              | 1650-1,008  | 7.467.400,077 | 762.200,849 |
|                        |         |        |           |        | PI              | 1651+1,413  | 7.467.401,425 | 762.210,093 |
|                        |         |        |           |        | PT              | 1651+1,413  | 7.467.400,530 | 762.221,207 |
| 1652                   | 445,000 | 20,186 | 2°35'57"  | 10,095 | PC              | 1652+17,315 | 7.467.393,395 | 762.256,972 |
|                        |         |        |           |        | PI              | 1653+17,501 | 7.467.396,513 | 762.267,028 |
| 1653                   | 600,000 | 20,080 | 1°55'03"  | 10,041 | PC              | 1653-1,093  | 7.467.392,172 | 762.299,527 |
|                        |         |        |           |        | PI              | 1654-1,390  | 7.467.390,843 | 762.305,479 |
|                        |         |        |           |        | PT              | 1656+0,274  | 7.467.385,841 | 762.319,411 |
|                        |         |        |           |        | FIM             | 1658+5,981  | 7.467.385,314 | 762.364,953 |





- NOTAS:
1. DIMENSÕES E ELEVACOES EM METRO, EXCETO ONDE INDICADO;
  2. DISTANCIA ENTRE ESTACAS = 20m;
  3. RAIOS DE EMBOCADURAS NAO COTADOS = 6m;
  4. EXECUTAR REBAIXO DE CALCADEA EM TODAS AS EMBOCADURAS;
  5. QUADROS DE CURVAS E SECOES TIPO, VER DESENHOS: S04/01-2-Geo-PLT.037 A 039

| LEGENDA - QUANTITATIVO:                                                             |                         |                         |
|-------------------------------------------------------------------------------------|-------------------------|-------------------------|
|  | - EIXO PROJETO          |                         |
|  | - MEIO-FIO COM SAREJETA | 25 728,60m              |
|  | - CBUQ                  | 7.554,95t               |
|  | - CALÇADA               | 38 589,90m <sup>2</sup> |
|  | - PONTO ALTO            |                         |
|  | - PONTO BAIXO           |                         |
|  | - PONTO POLIGONAL       |                         |

[illegible]





NOTAS:

- DIMENSÕES E ELEVACÕES EM METRO, EXCETO ONDE INDICADO;
- DISTÂNCIA ENTRE ESTACAS = 20m;
- RAIOS DE EMBOCADURAS NÃO COTADOS = 6m;
- EXECUTAR REBAIXO DE CALÇADA EM TODAS AS EMBOCADURAS;
- QUADROS DE CURVAS E SEÇÕES TIPO, VER DESENHOS: SGI401-2-GEO-PLT.037 A 039.

LEGENDA - QUANTITATIVO:

|  |                        |             |
|--|------------------------|-------------|
|  | - EIXO PROJETO         |             |
|  | - MEIO-FIO COM SARJETA | 25.726,60m  |
|  | - CBUQ                 | 7.554,95t   |
|  | - CALÇADA              | 38.589,90m² |
|  | - PONTO ALTO           |             |
|  | - PONTO BAIXO          |             |
|  | - PONTO POLIGONAL      |             |

ARTICULAÇÃO:

|         |            |                                                                          |        |
|---------|------------|--------------------------------------------------------------------------|--------|
| 0       | 29/09/2023 | EMISSION INICIAL E SUBSTITUINDO OS DESENHOS "SGI401-2-GEO-PLT.001 A 019" | MANUEL |
| REVISÃO | DATA       | DISCRIMINAÇÃO                                                            | AUTOR  |

OBJETO DA OBRA:  
OBRAS DE PAVIMENTAÇÃO E DRENAGEM NA RUA MATIAS MACHADO DOS SANTOS E OUTRAS  
BAIRRO BONSUCESSO

PROJETO BÁSICO DE GEOMETRIA  
PLANTA

SGI401-2-GEO-PLT.031

12/20

INDICADA

29/09/2023

PLANTA  
ESC. 1:500





NOTAS:

- DIMENSÕES E ELEVACÕES EM METRO, EXCETO ONDE INDICADO;
- DISTÂNCIA ENTRE ESTACAS = 20m;
- RAIOS DE EMBOCADURAS NÃO COTADOS = 6m;
- EXECUTAR REBAIXO DE CALÇADA EM TODAS AS EMBOCADURAS;
- QUADROS DE CURVAS E SEÇÕES TIPO, VER DESENHOS: SGI401-2-GEO-PLT.037 A 039.

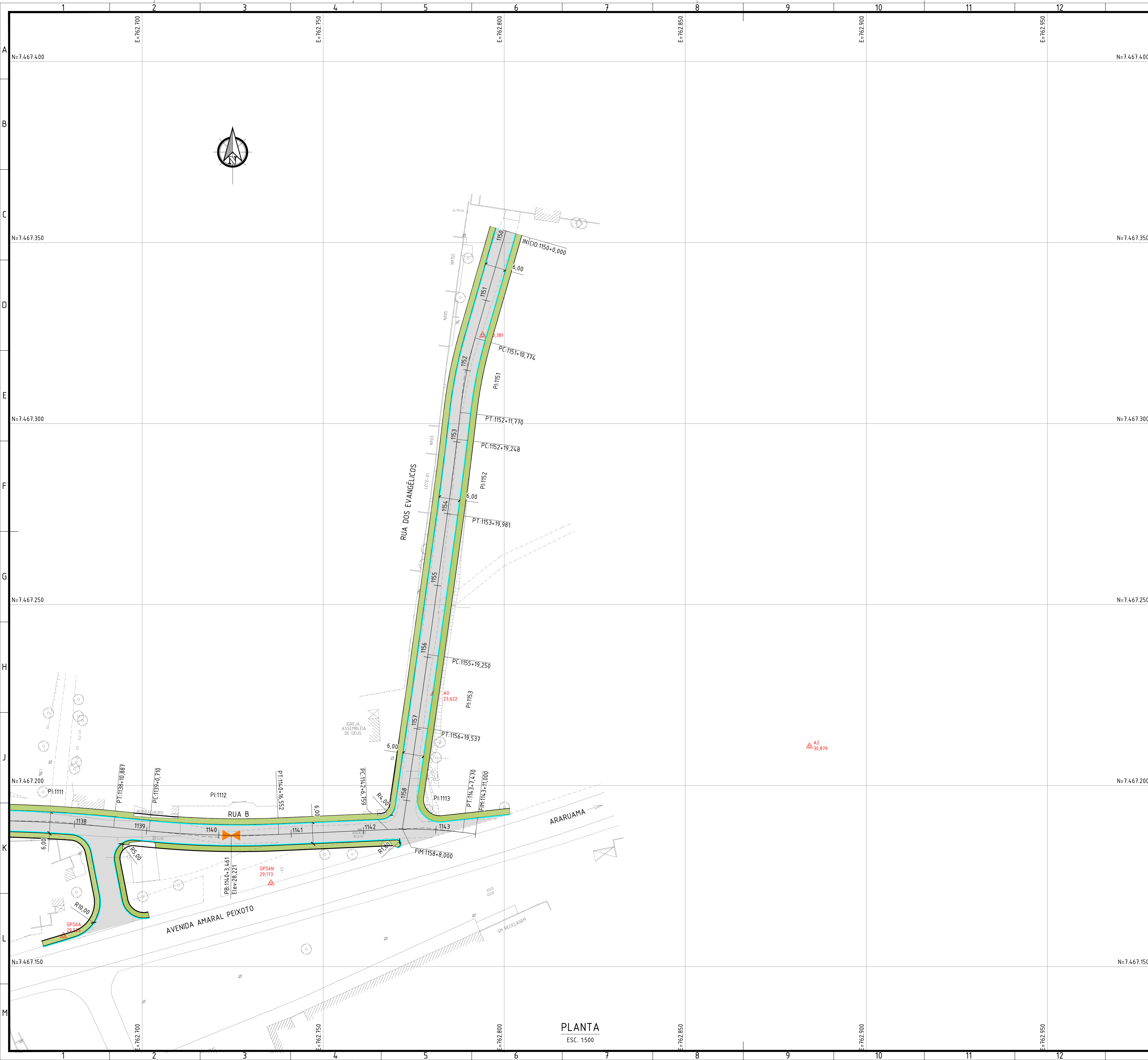
| LEGENDA - QUANTITATIVO: |                        |             |
|-------------------------|------------------------|-------------|
|                         | - EIXO PROJETO         |             |
|                         | - MEIO-FIO COM SARJETA | 25.726,60m  |
|                         | - CBUQ                 | 7.554,95f   |
|                         | - CALÇADA              | 38.589,90m² |
|                         | - PONTO ALTO           |             |
|                         | - PONTO BAIXO          |             |
|                         | - PONTO POLIGONAL      |             |

ARTICULAÇÃO:

|                                                                                                                    |            |                                                                                                                                                                                                                                                                         |                    |
|--------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| 0                                                                                                                  | 29/09/2023 | EMIÇÃO INICIAL E SUBSTITUINDO OS DESENHOS "SGI401-2-GEO-PLT.001 A 019"                                                                                                                                                                                                  | MANUEL             |
| REVISÃO                                                                                                            | DATA       | DISCRIMINAÇÃO                                                                                                                                                                                                                                                           | AUTOR              |
| OBJETO DA OBRA:<br>OBRAS DE PAVIMENTAÇÃO E DRENAGEM NA RUA MATIAS MACHADO DOS SANTOS E OUTRAS<br>BAIRRO BONSUCESSO |            |                                                                                                                                                                                                                                                                         |                    |
| PROJETO BÁSICO DE GEOMETRIA<br>PLANTA                                                                              |            | <div><div>PROJETO: "BÁSICO" DE GEOMETRIA<br/>MANUEL DA SILVA MACHADO FILHO<br/>CREA RJ / 040.41</div><div>RESPONSÁVEL TÉCNICO: MANUEL DA SILVA MACHADO FILHO<br/>CREA RJ / 040.41</div><div>RESPONSÁVEL: MANUEL DA SILVA MACHADO FILHO<br/>CREA RJ / 040.41</div></div> |                    |
| SGI401-2-GEO-PLT.032                                                                                               |            | Nº PROPOSTA<br>13/20                                                                                                                                                                                                                                                    | DATA<br>29/09/2023 |

PLANTA  
ESC. 1:500





NOTAS:

- DIMENSÕES E ELEVACÕES EM METRO, EXCETO ONDE INDICADO;
- DISTÂNCIA ENTRE ESTACAS = 20m;
- RAIOS DE EMBOCADURAS NÃO COTADOS = 6m;
- EXECUTAR REBAIXO DE CALÇADA EM TODAS AS EMBOCADURAS;
- QUADROS DE CURVAS E SEÇÕES TIPO, VER DESENHOS: SGI401-2-GEO-PLT.037 A 039.

| LEGENDA - QUANTITATIVO: |                        |             |
|-------------------------|------------------------|-------------|
|                         | - EIXO PROJETO         |             |
|                         | - MEIO-FIO COM SARJETA | 25.726,60m  |
|                         | - CBUG                 | 7.554,95t   |
|                         | - CALÇADA              | 38.589,90m² |
|                         | - PONTO ALTO           |             |
|                         | - PONTO BAIXO          |             |
|                         | - PONTO POLIGONAL      |             |

ARTICULAÇÃO:

|         |            |                                                                          |        |
|---------|------------|--------------------------------------------------------------------------|--------|
| 0       | 29/09/2023 | EMISSION INICIAL E SUBSTITUINDO OS DESENHOS "SGI401-2-GEO-PLT.001 A 019" | MANUEL |
| REVISÃO | DATA       | DISCRIMINAÇÃO                                                            | AUTOR  |

OBJETO DA OBRA:

OBRAS DE PAVIMENTAÇÃO E DRENAGEM NA RUA MATIAS MACHADO DOS SANTOS E OUTRAS  
BAIRRO BONSUCESSO

PROJETO BÁSICO DE GEOMETRIA  
PLANTA

PROJETO: "TENDU" PELA PREZINTE  
MANUEL DA SILVA MACHADO FILHO  
CREA RJ / CAD. AL

RESPONSÁVEL TÉCNICO: MANUEL DA SILVA MACHADO FILHO  
CREA RJ / CAD. AL

RESPONSÁVEL: MANUEL DA SILVA MACHADO FILHO  
CREA RJ / CAD. AL

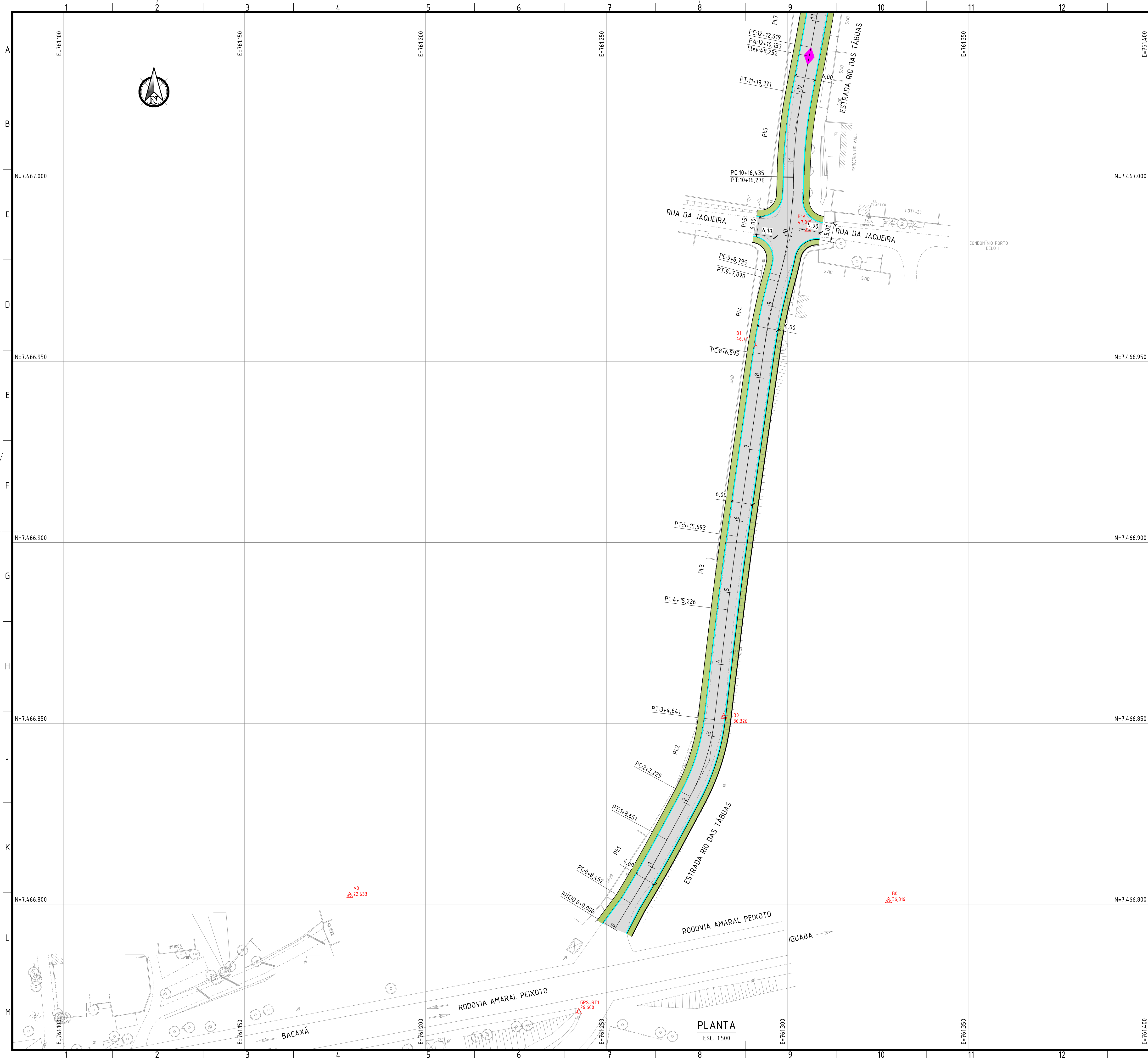
SGI401-2-GEO-PLT.033

14/20

INDICADA

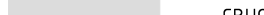
29/09/2023



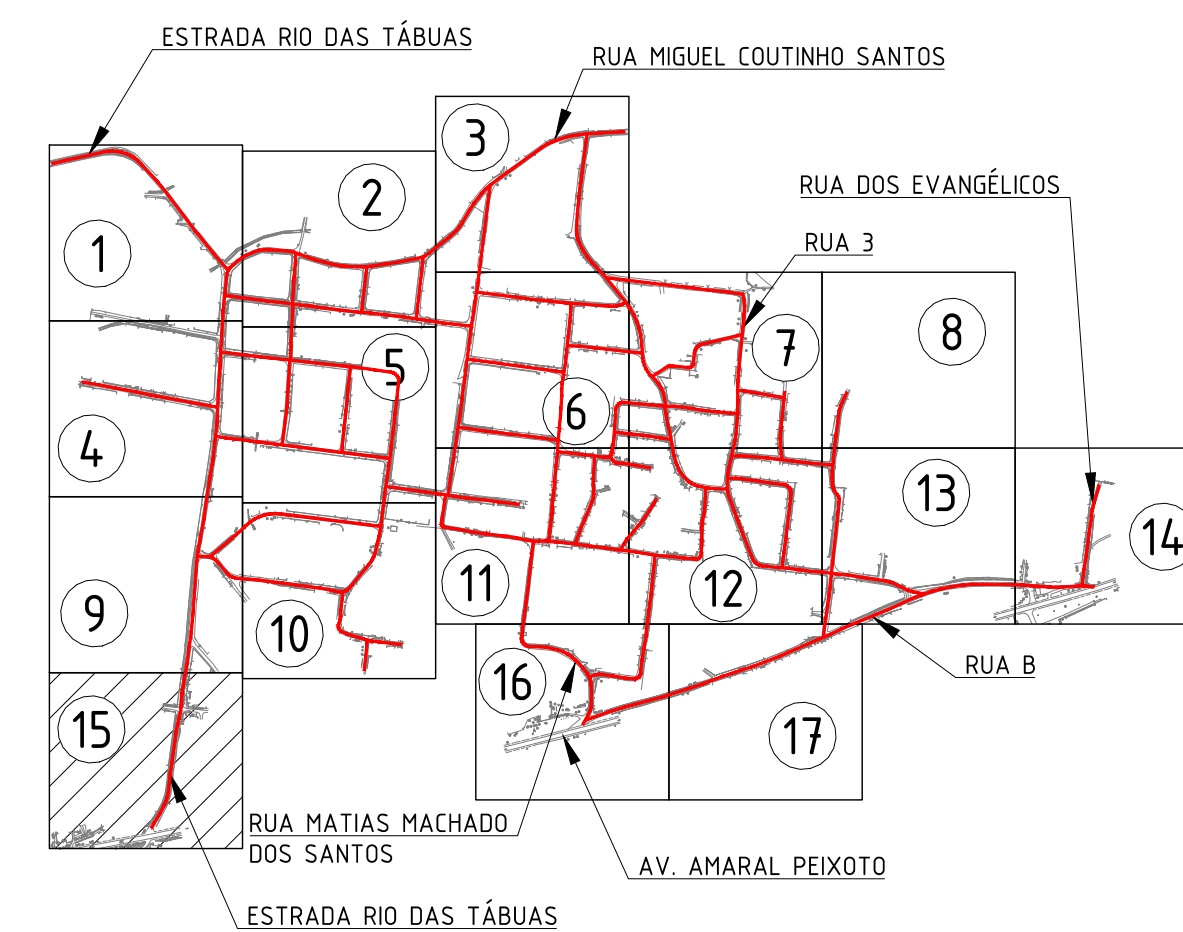


NOTAS:

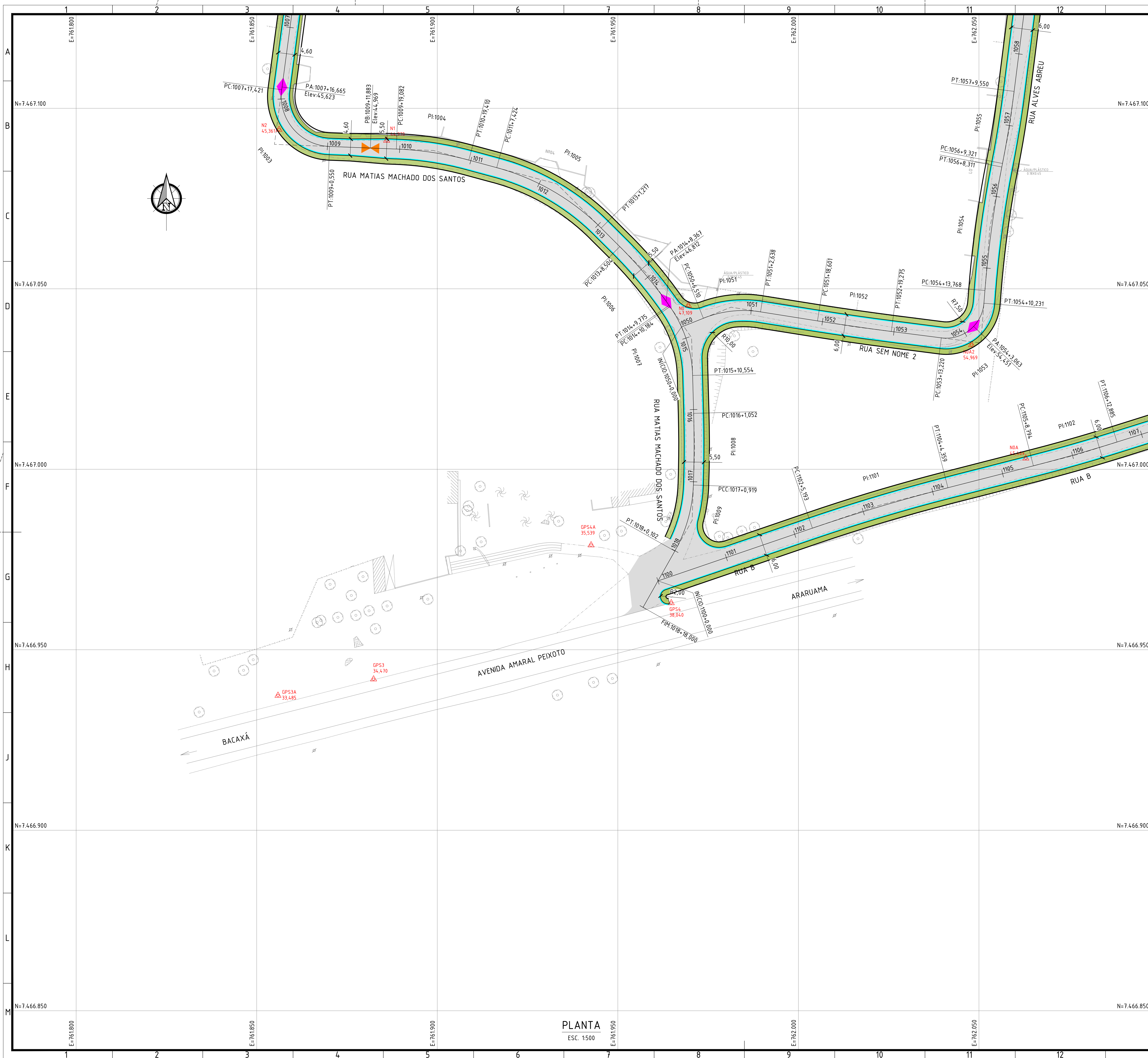
1. DIMENSÕES E ELEVAÇÕES EM METRO, EXCETO ONDE INDICADO;
2. DISTÂNCIA ENTRE ESTACAS = 20m;
3. RAIOS DE EMBOCADURAS NÃO COTADOS = 6m;
4. EXECUTAR REBAIXO DE CALÇADA EM TODAS AS EMBOCADURAS;
5. QUADROS DE CURVAS E SEÇÕES TIPO, VER DESENHOS: SQA401-2-GEO-PLT.037 A 039

| LEGENDA – QUANTITATIVO:                                                             |                   |
|-------------------------------------------------------------------------------------|-------------------|
|  | - EIXO PROJETO    |
|  | 25.726,60m        |
|  | 7.554,951         |
|  | 38.589,90m²       |
|  | - PONTO ALTO      |
|  | - PONTO BAIXO     |
|  | - PONTO POLIGONAL |

ARTICULAÇÃO:

[illegible]

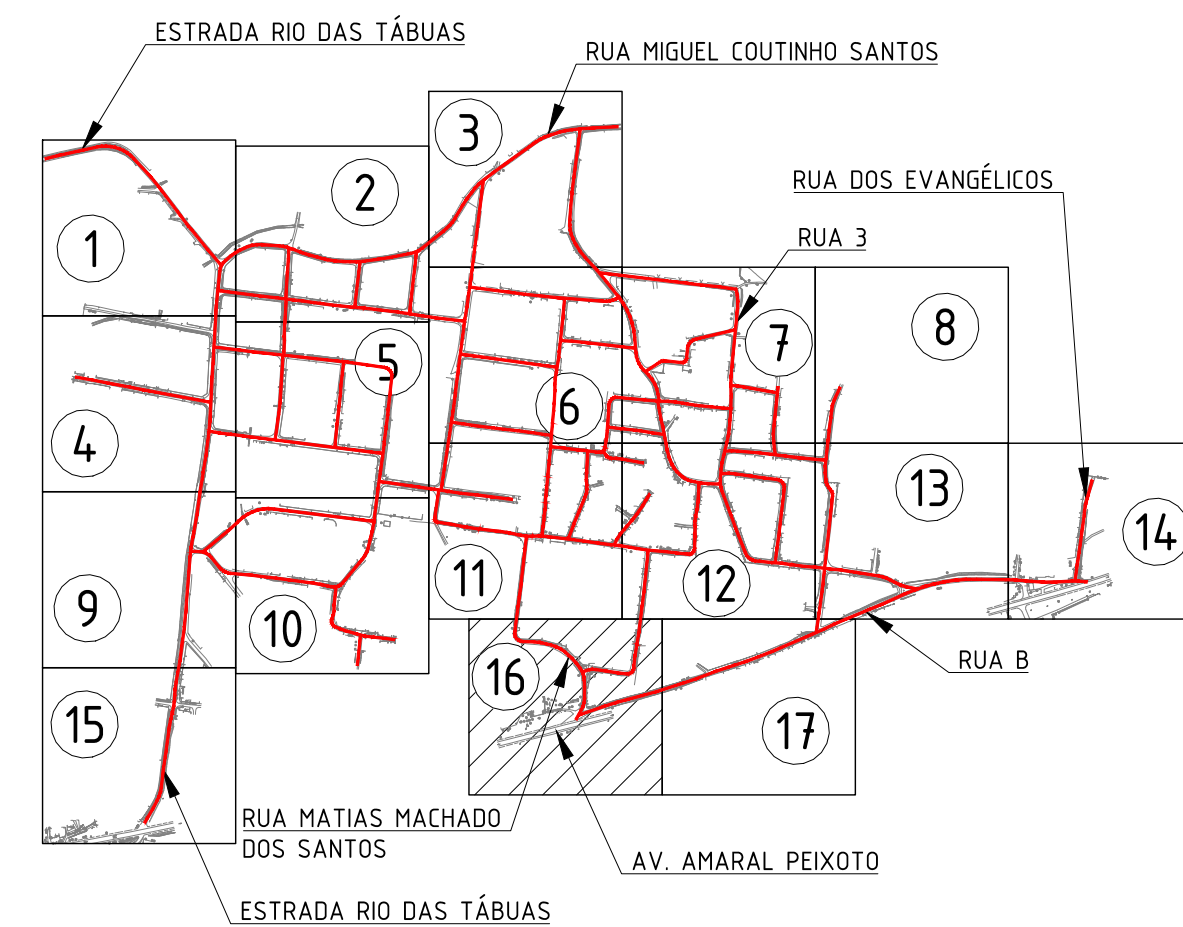




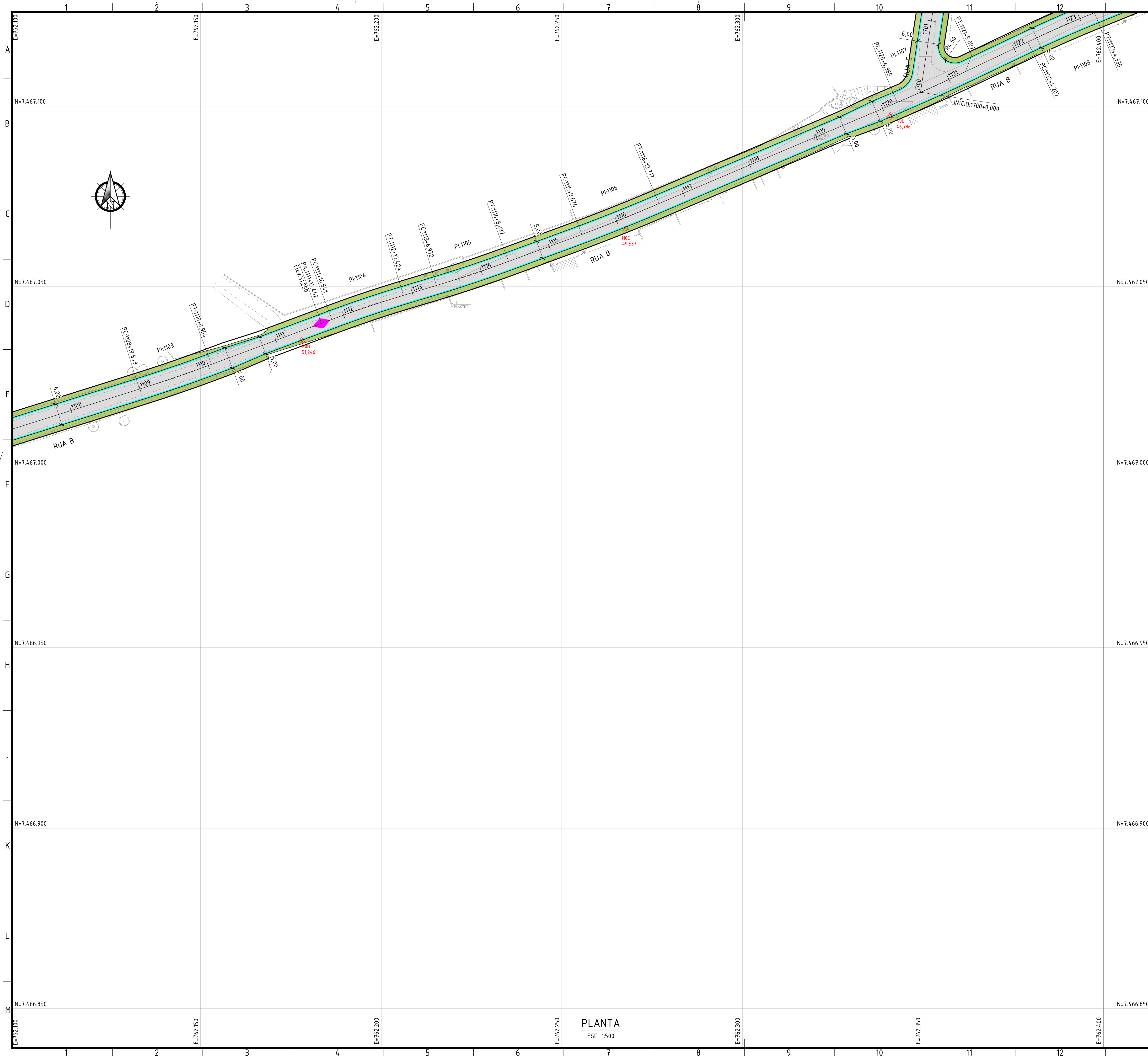
- NOTAS:
1. DIMENSÕES E ELEVACOES EM METRO, EXCETO ONDE INDICADO;
  2. DISTANCIA ENTRE ESTACAS = 20m;
  3. RAIOS DE EMBOCADURAS NAO COTADOS = 6m;
  4. EXECUTAR REBAIXO DE CALCADEA EM TODAS AS EMBOCADURAS;
  5. QUADROS DE CURVAS E SECOES TIPO, VER DESENHOS: SQA-01-2-Geo-PLT.037 A 039

| LEGENDA - QUANTITATIVO:                                                             |                        |                         |
|-------------------------------------------------------------------------------------|------------------------|-------------------------|
|  | - EIXO PROJETO         |                         |
|  | - MEIO-FIO COM SARJETA | 25 728,60m              |
|  | - CBUQ                 | 7.554,95t               |
|  | - CALÇADA              | 38 589,90m <sup>2</sup> |
|  | - PONTO ALTO           |                         |
|  | - PONTO BAIXO          |                         |
|  | - PONTO POLIGONAL      |                         |

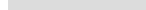
ARTICULAÇÃO:

[illegible]

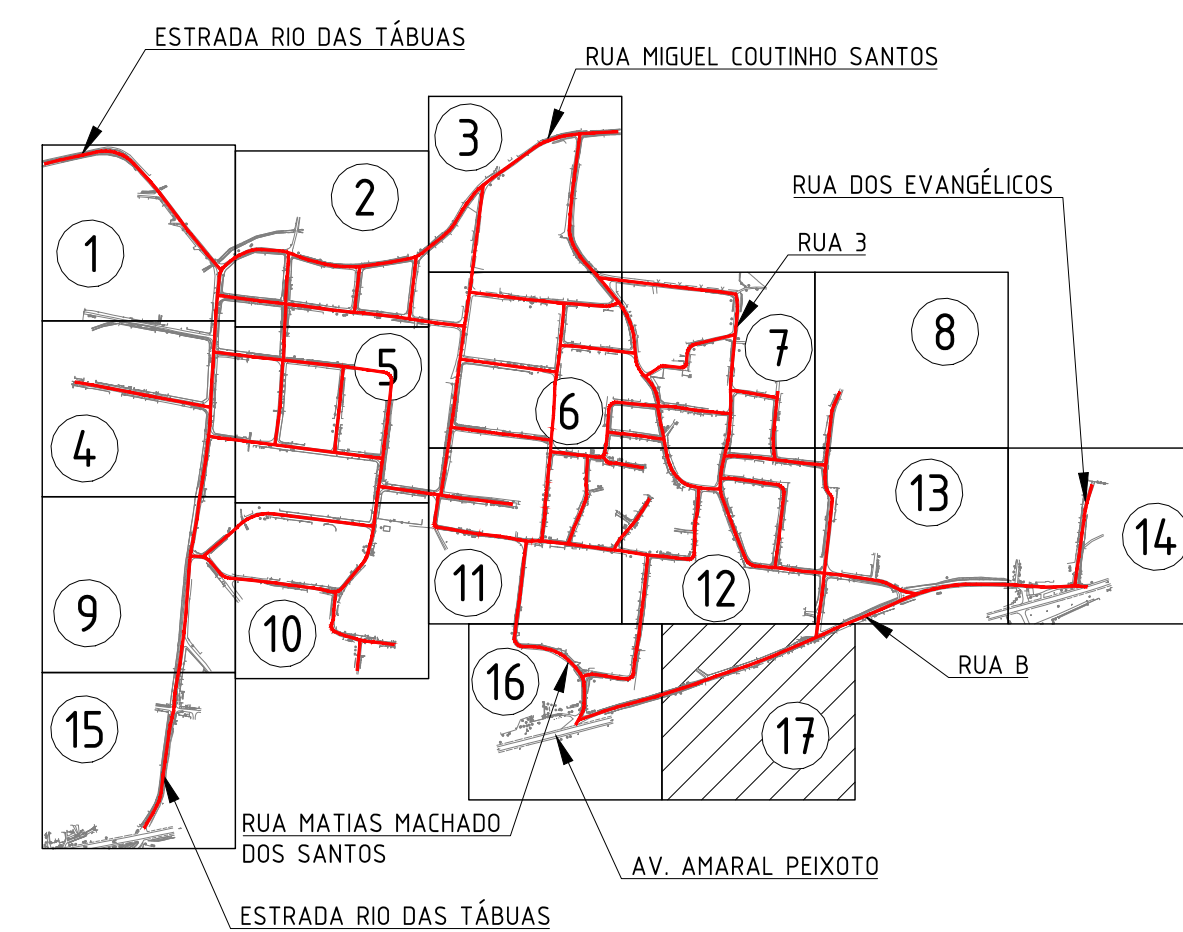




- NOTAS:
1. DIMENSÕES E ELEVACOES EM METRO, EXCETO ONDE INDICADO;
  2. DISTANCIA ENTRE ESTACAS = 20m;
  3. RAIOS DE EMBOCADURAS NAO COTADOS = 6m;
  4. EXECUTAR REBAIXO DE CALCADEA EM TODAS AS EMBOCADURAS;
  5. QUADROS DE CURVAS E SECOES TIPO, VER DESENHOS: SQA401-2-Geo-PLT.037 A 039

| LEGENDA – QUANTITATIVO:                                                             |                         |                         |
|-------------------------------------------------------------------------------------|-------------------------|-------------------------|
|  | - EIXO PROJETO          |                         |
|  | - MEIO-FIO COM SAREJETA | 25.726,60m              |
|  | - CBUQ                  | 7.554,95t               |
|  | - CALÇADA               | 38.589,90m <sup>2</sup> |
|  | - PONTO ALTO            |                         |
|  | - PONTO BAIXO           |                         |
|  | - PONTO POLIGONAL       |                         |

ARTICULAÇÃO:

[illegible]



| RAMO 0 - ESTRADA RIO DAS TÁBUAS E RUA MIGUEL COUTINHO SANTOS |           |        |           |        |                 |                                                                           |                                           |             |
|--------------------------------------------------------------|-----------|--------|-----------|--------|-----------------|---------------------------------------------------------------------------|-------------------------------------------|-------------|
| PI                                                           | R (m)     | D (m)  | Ac        | T (m)  | Pontos Notáveis | Estacas                                                                   | N                                         | E           |
| -                                                            | -         | -      | -         | -      | INÍCIO          | 0+0,000                                                                   | 7.466.793,090                             | 761.252,271 |
| 1                                                            | 360,000   | 20,200 | 3°12'54"  | 10,102 | PC<br>PI<br>PT  | 0+8,452<br>7.466.800,301<br>7.466.808,920<br>1+8,651<br>7.466.817,821     | 761.256,680<br>761.261,950<br>761.266,728 |             |
| 2                                                            | 60,000    | 22,412 | 21°24'05" | 11,338 | PC<br>PI<br>PT  | 2+2,229<br>7.466.829,784<br>7.466.839,773<br>7.466.851,031<br>3+4,641     | 761.273,150<br>761.278,513<br>761.286,165 |             |
| 3                                                            | 880,000   | 20,468 | 1°19'57"  | 10,234 | PC<br>PI<br>PT  | 4+15,226<br>7.466.881,399<br>7.466.891,561<br>5+15,693<br>7.466.901,691   | 761.283,496<br>761.284,713<br>761.286,165 |             |
| 4                                                            | 170,000   | 20,475 | 6°54'03"  | 10,250 | PC<br>PI<br>PT  | 8+6,595<br>7.466.952,078<br>7.466.962,224<br>9+7,070<br>7.466.972,122     | 761.293,390<br>761.294,844<br>761.297,507 |             |
| 5                                                            | 110,000   | 27,481 | 14°18'51" | 13,813 | PC<br>PI<br>PT  | 9+8,795<br>7.466.973,787<br>7.466.987,125<br>10+16,276<br>7.467.000,937   | 761.297,956<br>761.301,544<br>761.301,724 |             |
| 6                                                            | 130,000   | 22,936 | 10°06'31" | 11,498 | PC<br>PI<br>PT  | 10+16,435<br>7.467.001,096<br>7.467.012,593<br>7.467.023,885<br>11+19,371 | 761.301,726<br>761.301,876<br>761.304,041 |             |
| 7                                                            | 420,000   | 20,925 | 2°51'16"  | 10,465 | PC<br>PI<br>PT  | 12+12,619<br>7.467.036,896<br>7.467.047,173<br>13+13,544<br>7.467.057,536 | 761.306,536<br>761.308,507<br>761.309,863 |             |
| 8                                                            | 750,000   | 46,205 | 3°31'47"  | 23,110 | PC<br>PI<br>PT  | 15+6,219<br>7.467.069,893<br>7.467.102,718<br>17+12,424<br>7.467.135,817  | 761.314,511<br>761.317,727<br>761.319,528 |             |
| 9                                                            | 250,000   | 32,365 | 7°25'03"  | 16,205 | PC<br>PI<br>PT  | 22+4,749<br>7.467.227,862<br>7.467.244,018<br>23+17,115<br>7.467.259,816  | 761.326,724<br>761.327,987<br>761.331,326 |             |
| 10                                                           | 450,000   | 31,314 | 3°59'13"  | 15,663 | PC<br>PI<br>PT  | 24+3,729<br>7.467.266,348<br>7.467.281,675<br>25+15,043<br>7.467.297,790  | 761.332,688<br>761.335,915<br>761.338,068 |             |
| 11                                                           | 700,000   | 26,294 | 2°09'08"  | 13,148 | PC<br>PI<br>PT  | 27+10,680<br>7.467.332,489<br>7.467.345,512<br>28+16,974<br>7.467.358,459 | 761.342,966<br>761.344,774<br>761.347,069 |             |
| 12                                                           | 600,000   | 27,166 | 2°35'39"  | 13,585 | PC<br>PI<br>PT  | 29+3,894<br>7.467.365,273<br>7.467.378,649<br>30+11,060<br>7.467.392,120  | 761.348,277<br>761.350,648<br>761.352,412 |             |
| 13                                                           | 255,000   | 20,165 | 4°31'51"  | 10,088 | PC<br>PI<br>PT  | 32+8,208<br>7.467.428,953<br>7.467.438,956<br>33+8,373<br>7.467.449,031   | 761.357,234<br>761.358,544<br>761.359,059 |             |
| 14                                                           | 2.000,000 | 22,799 | 0°39'11"  | 11,400 | PC<br>PI<br>PT  | 37+0,818<br>7.467.521,381<br>7.467.532,766<br>38+3,617<br>7.467.544,163   | 761.362,760<br>761.363,342<br>761.364,054 |             |
| 15                                                           | 600,000   | 26,360 | 2°31'02"  | 13,182 | PC<br>PI<br>PT  | 42+18,846<br>7.467.639,186<br>7.467.652,342<br>44+5,205<br>7.467.665,450  | 761.370,002<br>761.370,825<br>761.372,206 |             |
| 16                                                           | 26,000    | 20,271 | 44°40'16" | 10,682 | PC<br>PI<br>PT  | 45+14,371<br>7.467.694,450<br>7.467.705,072<br>46+14,642<br>7.467.711,828 | 761.375,324<br>761.376,459<br>761.384,733 |             |
| 17                                                           | 80,000    | 24,252 | 17°22'09" | 12,220 | PC<br>PI<br>PT  | 47+6,451<br>7.467.719,296<br>7.467.727,025<br>48+10,703<br>7.467.731,575  | 761.393,880<br>761.403,346<br>761.414,687 |             |
| 18                                                           | 50,000    | 22,685 | 25°59'44" | 11,541 | PC<br>PI<br>PT  | 48+17,711<br>7.467.734,184<br>7.467.738,482<br>50+0,397<br>7.467.757,650  | 761.421,191<br>761.431,903<br>761.443,414 |             |
| 19                                                           | 65,000    | 20,374 | 17°57'31" | 10,271 | PC<br>PI<br>PT  | 51+9,706<br>7.467.790,197<br>52+10,080<br>7.467.790,934                   | 761.472,647<br>761.480,892<br>761.492,408 |             |
| 20                                                           | 240,000   | 25,284 | 6°02'10"  | 12,654 | PC<br>PI<br>PT  | 52+13,872<br>7.467.729,597<br>7.467.724,748<br>53+19,156<br>7.467.721,248 | 761.495,922<br>761.507,647<br>761.519,807 |             |
| 21                                                           | 180,000   | 42,159 | 13°25'11" | 21,177 | PC<br>PI<br>PT  | 54+14,924<br>7.467.716,887<br>7.467.711,030<br>56+17,084<br>7.467.710,055 | 761.534,960<br>761.555,311<br>761.576,465 |             |
| 22                                                           | 120,000   | 21,339 | 10°11'19" | 10,698 | PC<br>PI<br>PT  | 57+8,437<br>7.467.709,533<br>7.467.709,041<br>58+9,777<br>7.467.710,447   | 761.587,806<br>761.598,493<br>761.609,098 |             |
| 23                                                           | 400,000   | 20,053 | 2°52'21"  | 10,029 | PC<br>PI<br>PT  | 59+13,771<br>7.467.713,600<br>7.467.716,918<br>60+13,824<br>7.467.716,733 | 761.632,884<br>761.642,826<br>761.652,689 |             |
| 24                                                           | 42,000    | 20,634 | 28°08'53" | 10,529 | PC<br>PI<br>PT  | 62+8,797<br>7.467.723,060<br>7.467.724,965<br>63+9,431<br>7.467.731,530   | 761.687,085<br>761.697,441<br>761.705,673 |             |
| 25                                                           | 600,000   | 20,193 | 1°55'42"  | 10,098 | PC<br>PI<br>PT  | 64+14,352<br>7.467.747,068<br>7.467.753,364<br>65+14,545<br>7.467.759,922 | 761.725,156<br>761.733,051<br>761.740,729 |             |
| 26                                                           | 63,000    | 20,439 | 18°35'17" | 10,310 | PC<br>PI<br>PT  | 66+0,936<br>7.467.764,073<br>7.467.770,769<br>67+1,375<br>7.467.773,614   | 761.745,589<br>761.753,429<br>761.758,725 |             |
| 27                                                           | 170,000   | 23,837 | 8°02'02"  | 11,938 | PC<br>PI<br>PT  | 68+8,401<br>7.467.802,802<br>7.467.813,644<br>69+12,238<br>7.467.822,329  | 761.772,609<br>761.778,742<br>761.786,246 |             |
| 28                                                           | 83,000    | 20,568 | 14°11'55" | 10,337 | PC<br>PI<br>PT  | 70+1,422<br>7.467.829,471<br>7.467.837,511<br>71+1,990<br>7.467.843,711   | 761.792,018<br>761.798,516<br>761.806,787 |             |
| 29                                                           | 1.000,000 | 23,924 | 1°22'15"  | 11,962 | PC<br>PI<br>PT  | 72+0,474<br>7.467.854,798<br>7.467.861,973<br>73+4,398<br>7.467.868,917   | 761.821,577<br>761.831,149<br>761.840,890 |             |
| 30                                                           | 70,000    | 22,224 | 18°11'25" | 11,206 | PC<br>PI<br>PT  | 76+8,017<br>7.467.905,848<br>7.467.912,353<br>77+10,241<br>7.467.915,885  | 761.892,693<br>761.901,818<br>761.912,517 |             |
| 31                                                           | 105,000   | 21,241 | 11°35'27" | 10,657 | PC<br>PI<br>PT  | 78+8,621<br>7.467.924,317<br>79+9,862<br>7.467.925,316                    | 761.930,066<br>761.940,241<br>761.950,846 |             |
| 32                                                           | 370,000   | 20,438 | 3°09'54"  | 10,222 | PC<br>PI<br>PT  | 80+3,515<br>7.467.926,733<br>7.467.927,149<br>81+3,954<br>7.467.928,202   | 761.964,431<br>761.974,602<br>761.984,814 |             |
| -                                                            | -         | -      | -         | -      | FIM             | 83+5,000                                                                  | 7.467.930,020                             | 762.025,820 |

| RAMO 100 - RUA INÁCIO CAMURÇA |           |        |          |        |                 |                                                                             |                                           |             |
|-------------------------------|-----------|--------|----------|--------|-----------------|-----------------------------------------------------------------------------|-------------------------------------------|-------------|
| PI                            | R (m)     | D (m)  | Ac       | T (m)  | Pontos Notáveis | Estacas                                                                     | N                                         | E           |
| -                             | -         | -      | -        | -      | INÍCIO          | 100+0,000                                                                   | 7.467.521,441                             | 761.139,509 |
| 101                           | 2.500,000 | 28,580 | 0°39'18" | 14,290 | PC<br>PI<br>PT  | 101+7,298<br>7.467.514,034<br>102+15,878<br>7.467.511,328                   | 761.166,370<br>761.180,432<br>761.194,464 |             |
| 102                           | 4.250,000 | 20,327 | 0°16'27" | 10,164 | PC<br>PI<br>PT  | 104+11,102<br>7.467.504,659<br>7.467.502,734<br>105+11,429<br>7.467.500,858 | 761.229,051<br>761.239,031<br>761.249,020 |             |
| -                             | -         | -      | -        | -      | FIM             | 111+5,000                                                                   | 7.467.479,887                             | 761.360,637 |

| RAMO 150 - ESTRADA RIO DAS TÁBUAS |           |        |           |        |                 |                                                            |                                           |             |
|-----------------------------------|-----------|--------|-----------|--------|-----------------|------------------------------------------------------------|-------------------------------------------|-------------|
| PI                                | R (m)     | D (m)  | Ac        | T (m)  | Pontos Notáveis | Estacas                                                    | N                                         | E           |
| -                                 | -         | -      | -         | -      | INÍCIO          | 150+0,000                                                  | 7.467.877,843                             | 761.089,826 |
| 151                               | 1.500,000 | 40,253 | 1°32'15"  | 20,128 | PC<br>PI<br>PT  | 151+2,757<br>7.467.883,115<br>153+3,010<br>7.467.891,913   | 761.111,965<br>761.131,545<br>761.151,243 |             |
| 152                               | 63,000    | 65,266 | 59°21'23" | 35,903 | PC<br>PI<br>PT  | 154+8,033<br>7.467.891,055<br>157+13,299<br>7.467.877,962  | 761.175,732<br>761.200,869<br>761.235,125 |             |
| 153                               | 220,000   | 22,265 | 5°47'55"  | 11,142 | PC<br>PI<br>PT  | 159+14,670<br>7.467.884,460<br>160+16,935<br>7.467.890,319 | 761.263,075<br>761.270,602<br>761.277,261 |             |
| 154                               | 650,000   | 22,561 | 1°59'19"  | 11,281 | PC<br>PI<br>PT  | 163+12,996<br>7.467.776,321<br>164+15,556<br>7.467.767,515 | 761.301,766<br>761.317,509<br>761.324,561 |             |
| 155                               | 1.500,000 | 43,017 | 1°38'35"  | 21,510 | PC<br>PI<br>PT  | 165+1,324<br>7.467.763,013<br>167+4,341<br>7.467.729,827   | 761.328,167<br>761.341,613<br>761.355,535 |             |
| -                                 | -         | -      | -         | -      | FIM             | 168+19,000                                                 | 7.467.703,407                             | 761.377,968 |

| RAMO 200 - RUAS JOAQUIM ESPÍRITO SANTO - DOMINGOS JOSÉ DE MELLO - RUBENS MACHADO FALCÃO E DELMIRO DA SILVA |           |        |           |        |                 |                                                            |                                           |             |
|------------------------------------------------------------------------------------------------------------|-----------|--------|-----------|--------|-----------------|------------------------------------------------------------|-------------------------------------------|-------------|
| PI                                                                                                         | R (m)     | D (m)  | Ac        | T (m)  | Pontos Notáveis | Estacas                                                    | N                                         | E           |
| -                                                                                                          | -         | -      | -         | -      | INÍCIO          | 200+0,000                                                  | 7.467.570,451                             | 761.365,700 |
| 201                                                                                                        | 1.350,000 | 22,209 | 0°56'33"  | 11,105 | PC<br>PI<br>PT  | 202+1,756<br>7.467.563,821<br>203+3,966<br>7.467.562,610   | 761.407,127<br>761.418,144<br>761.429,883 |             |
| 202                                                                                                        | 700,000   | 31,486 | 2°34'38"  | 15,746 | PC<br>PI<br>PT  | 211+0,571<br>7.467.545,528<br>212+12,057<br>7.467.541,391  | 761.384,854<br>761.600,505<br>761.616,064 |             |
| 203                                                                                                        | 14,000    | 21,411 | 87°37'39" | 13,432 | PC<br>PI<br>PT  | 214+0,916<br>7.467.534,892<br>215+2,328<br>7.467.521,546   | 761.644,581<br>761.657,853<br>761.656,340 |             |
| 204                                                                                                        | 2.000,000 | 24,378 | 0°41'54"  | 12,189 | PC<br>PI<br>PT  | 216+11,772<br>7.467.492,289<br>217+16,150<br>7.467.480,178 | 761.653,024<br>761.651,651<br>761.650,426 |             |
| 205                                                                                                        | 250,000   | 20,043 | 4°39'36"  | 10,027 | PC<br>PI<br>PT  | 218+4,382<br>7.467.459,860<br>219+4,425<br>7.467.439,973   | 761.614,959<br>761.644,873<br>761.664,750 |             |
| 206                                                                                                        | 300,000   | 22,428 | 4°17'01"  | 11,219 | PC<br>PI<br>PT  | 219+6,825<br>7.467.437,604<br>220+9,253<br>7.467.426,533   | 761.644,761<br>761.644,944<br>761.643,959 |             |
| 207                                                                                                        | 400,000   | 22,570 | 3°13'58"  | 11,288 | PC<br>PI<br>PT  | 220+11,766<br>7.467.412,854<br>221+14,336<br>7.467.401,609 | 761.643,739<br>761.642,748<br>761.641,125 |             |
| 208                                                                                                        | 2.000,000 | 29,751 | 0°51'08"  | 14,876 | PC<br>PI<br>PT  | 222+16,960<br>7.467.368,050<br>224+6,711<br>7.467.353,329  | 761.637,872<br>761.635,732<br>761.633,812 |             |
| 209                                                                                                        | 190,000   | 24,964 | 7°31'14"  | 12,500 | PC<br>PI<br>PT  | 227+3,573<br>7.467.289,795<br>228+8,538<br>7.467.257,718   | 761.626,473<br>761.624,860<br>761.621,636 |             |
| 210                                                                                                        | 47,000    | 20,475 | 24°57'35" | 10,402 | PC<br>PI<br>PT  | 229+5,177<br>7.467.241,041<br>230+5,652<br>7.467.223,610   | 761.617,346<br>761.614,663<br>761.607,990 |             |
| 211                                                                                                        | 18,000    | 20,198 | 64°06'03" | 11,270 | PC<br>PI<br>PT  | 232+16,307<br>7.467.184,752<br>233+16,444<br>7.467.176,107 | 761.575,495<br>761.568,266<br>761.557,331 |             |
| 212                                                                                                        | 200,000   | 22,153 | 6°20'47"  | 11,088 | PC<br>PI<br>PT  | 234+2,118<br>7.467.180,207<br>235+4,270<br>7.467.184,367   | 761.551,826<br>761.541,068<br>761.530,080 |             |
| 213                                                                                                        | 3.500,000 | 21,605 | 0°21'13"  | 10,803 | PC<br>PI<br>PT  | 237+0,074<br>7.467.189,938<br>238+1,680<br>7.467.192,751   | 761.488,648<br>761.477,942<br>761.467,227 |             |
| 214                                                                                                        | 1.000,000 | 28,425 | 1°37'43"  | 14,213 | PC<br>PI<br>PT  | 238+17,881<br>7.467.194,048<br>240+6,305<br>7.467.197,261  | 761.517,169<br>761.443,011<br>761.428,867 |             |
| 215                                                                                                        | 27,000    | 21,314 | 45°13'47" | 11,247 | PC<br>PI<br>PT  | 242+2,564<br>7.467.200,847<br>243+3,878<br>7.467.201,960   | 761.392,786<br>761.381,594<br>761.374,501 |             |
| 216                                                                                                        | 25,000    | 20,608 | 47°13'45" | 10,930 | PC<br>PI<br>PT  | 244+4,842<br>7.467.226,959<br>245+5,449<br>7.467.236,142   | 761.361,282<br>761.354,389<br>761.343,482 |             |
| -                                                                                                          | -         | -      | -         | -      | FIM             | 246+1,338                                                  | 7.467.237,161                             | 761.327,626 |

| RAMO 250 - RUA AUGUSTO SALGADO |         |        |           |        |                 |                                                            |                                           |             |
|--------------------------------|---------|--------|-----------|--------|-----------------|------------------------------------------------------------|-------------------------------------------|-------------|
| PI                             | R (m)   | D (m)  | Ac        | T (m)  | Pontos Notáveis | Estacas                                                    | N                                         | E           |
| -                              | -       | -      | -         | -      | INÍCIO          | 250+0,000                                                  | 7.467.235,583                             | 761.347,372 |
| 251                            | 240,000 | 20,197 | 4°49'18"  | 10,105 | PC<br>PI<br>PT  | 252+14,929<br>7.467.270,763<br>253+15,127<br>7.467.277,235 | 761.389,557<br>761.397,317<br>761.404,506 |             |
| 252                            | 70,000  | 63,354 | 51°51'21" | 34,032 | PC<br>PI<br>PT  | 253+17,907<br>7.467.286,290<br>257+1,261<br>7.467.305,936  | 761.406,484<br>761.430,696<br>761.444,459 |             |
| -                              | -       | -      | -         | -      | FIM             | 265+4,986                                                  | 7.467.285,395                             | 761.626,890 |

| RAMO 300 - RUA PERCÍDIO MONTES MACHADO |          |        |          |        |                       |                                                                                              |                                           |   |
|----------------------------------------|----------|--------|----------|--------|-----------------------|----------------------------------------------------------------------------------------------|-------------------------------------------|---|
| PI                                     | R (m)    | D (m)  | Ac       | T (m)  | Pontos Notáveis       | Estacas                                                                                      | N                                         | E |
| 301                                    | 380,000  | 31,936 | 4°48'55" | 15,977 | INÍCIO=PC<br>PI<br>PT | 300+0,000<br>7.467.432,888<br>301+11,936<br>7.467.428,172                                    | 761.357,718<br>761.373,447<br>761.389,294 |   |
| 302                                    | 1000,000 | 20,877 | 1°14'46" | 10,439 | PC<br>PI<br>PT        | 301+15,538<br>7.467.427,791<br>302+16,414<br>7.467.426,684<br>7.467.425,361<br>7.467.424,046 | 761.392,876<br>761.403,256<br>761.413,611 |   |
| -                                      | -        | -      | -        | -      | FIM                   | 314+65,78<br>7.467.396,188                                                                   | 761.641,918                               |   |