

P5.23  
Pk 70+100.000  
R= 128.305693 g  
M= -38005.119  
P= 164169.245

| EXISTENTE     | CARRIL<br>TERRENO<br>NATURAL | Cota  | -24.143 - 67.410                                                                                                                                                                                                                                                                                                                                   |
|---------------|------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |                              | Dist. | -2.023 - 67.077<br>-19.285 - 67.062                                                                                                                                                                                                                                                                                                                |
| PROJETO       | CARRIL                       | Cota  | -13.314 - 67.110<br>-11.576 - 67.109                                                                                                                                                                                                                                                                                                               |
|               |                              | Dist. | -5.269 - 67.048 - 5.303 - 68.679<br>-3.532 - 67.048 - 3.388 - 68.684<br>-2.553 - 67.057 - 2.518 - 67.045<br>-3.089 - 67.061 - 0.834 - 67.007<br>-0.869 - 67.061 - 0.834 - 67.000<br>-3.831 - 67.061 - 3.597 - 68.682<br>-5.369 - 67.061 - 5.334 - 68.615<br>-8.132 - 67.065 - 8.086 - 68.630<br>-9.869 - 67.065 - 9.835 - 67.660<br>9.894 - 67.624 |
| TERRAPLENAGEM | CARRIL                       | Cota  |                                                                                                                                                                                                                                                                                                                                                    |
|               |                              | Dist. |                                                                                                                                                                                                                                                                                                                                                    |
| DRENAGEM      | CARRIL                       | Cota  |                                                                                                                                                                                                                                                                                                                                                    |
|               |                              | Dist. |                                                                                                                                                                                                                                                                                                                                                    |

KM=70+100.000

P5.22  
Pk 70+075.000  
R= 128.305693 g  
M= -38015.872  
P= 164146.675

| EXISTENTE     | CARRIL<br>TERRENO<br>NATURAL | Cota  | -24.223 - 67.239                                                                                                                                                                                                                                               |
|---------------|------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |                              | Dist. | -13.038 - 66.940<br>-12.671 - 67.022<br>-11.291 - 66.937<br>-11.234 - 67.022                                                                                                                                                                                   |
| PROJETO       | CARRIL                       | Cota  | -5.539 - 66.867<br>-5.085 - 66.949<br>-3.302 - 66.089<br>-0.834 - 66.418<br>0.000 - 66.462<br>0.834 - 66.497<br>-3.831 - 66.876<br>-4.619 - 66.854<br>5.334 - 66.745<br>6.932 - 66.749<br>8.086 - 66.702<br>8.712 - 66.861<br>9.835 - 66.869<br>9.894 - 66.879 |
|               |                              | Dist. |                                                                                                                                                                                                                                                                |
| TERRAPLENAGEM | CARRIL                       | Cota  |                                                                                                                                                                                                                                                                |
|               |                              | Dist. |                                                                                                                                                                                                                                                                |
| DRENAGEM      | CARRIL                       | Cota  |                                                                                                                                                                                                                                                                |
|               |                              | Dist. |                                                                                                                                                                                                                                                                |

KM=70+075.000

P5.21  
Pk 70+050.000  
R= 128.305693 g  
M= -38026.625  
P= 164124.106

| EXISTENTE     | CARRIL<br>TERRENO<br>NATURAL | Cota  | -13.955 - 66.883<br>-12.955 - 66.881<br>-12.684 - 66.895                                                                                                                                                                                                                                                                |
|---------------|------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |                              | Dist. | -8.134 - 61.284<br>-3.089 - 61.250<br>-6.348 - 66.885<br>-5.234 - 66.881<br>-3.531 - 66.885<br>-0.869 - 66.881<br>-0.834 - 66.273<br>0.000 - 66.246<br>0.834 - 66.233<br>-3.831 - 66.881<br>-4.619 - 66.854<br>5.334 - 66.402<br>6.403 - 66.376<br>8.086 - 66.227<br>8.798 - 66.178<br>9.835 - 66.103<br>9.894 - 66.089 |
| PROJETO       | CARRIL                       | Cota  |                                                                                                                                                                                                                                                                                                                         |
|               |                              | Dist. |                                                                                                                                                                                                                                                                                                                         |
| TERRAPLENAGEM | CARRIL                       | Cota  |                                                                                                                                                                                                                                                                                                                         |
|               |                              | Dist. |                                                                                                                                                                                                                                                                                                                         |
| DRENAGEM      | CARRIL                       | Cota  |                                                                                                                                                                                                                                                                                                                         |
|               |                              | Dist. |                                                                                                                                                                                                                                                                                                                         |

KM=70+050.000

P5.26  
Pk 70+175.000  
R= 126.682555 g  
M= -37973.155  
P= 164237.090

| EXISTENTE     | CARRIL<br>TERRENO<br>NATURAL | Cota  | -25.165 - 67.325<br>-21.461 - 67.318                                                                                                                                                               |
|---------------|------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |                              | Dist. | -14.449 - 67.320<br>-14.449 - 67.320<br>-12.712 - 67.336<br>-12.704 - 67.331                                                                                                                       |
| PROJETO       | CARRIL                       | Cota  | -9.521 - 67.255 - 9.555 - 67.325<br>-7.782 - 67.255 - 7.747 - 67.196<br>-4.657 - 67.592<br>-3.750 - 68.946                                                                                         |
|               |                              | Dist. | -0.869 - 67.316 - 0.834 - 68.972<br>0.000 - 68.986<br>0.869 - 67.316 - 0.834 - 68.986                                                                                                              |
| TERRAPLENAGEM | CARRIL                       | Cota  | -3.958 - 67.316 - 3.932 - 68.158<br>-5.845 - 67.331 - 5.405 - 68.319<br>6.894 - 68.852<br>7.794 - 67.334 - 7.863 - 67.229<br>8.459 - 67.317 - 8.732 - 67.324<br>-10.197 - 67.318 - 10.231 - 67.151 |
|               |                              | Dist. |                                                                                                                                                                                                    |
| DRENAGEM      | CARRIL                       | Cota  |                                                                                                                                                                                                    |
|               |                              | Dist. |                                                                                                                                                                                                    |

KM=70+175.000

P5.25  
Pk 70+150.000  
R= 126.274105 g  
M= -37983.614  
P= 164214.383

| EXISTENTE     | CARRIL<br>TERRENO<br>NATURAL | Cota  | -20.381 - 67.240                                                                                                           |
|---------------|------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------|
|               |                              | Dist. | -14.283 - 67.265<br>-12.546 - 67.294                                                                                       |
| PROJETO       | CARRIL                       | Cota  | -7.958 - 67.713 - 7.993 - 66.646<br>-4.216 - 67.713 - 4.181 - 61.883                                                       |
|               |                              | Dist. | -4.069 - 67.231 - 0.834 - 61.005<br>0.000 - 61.007<br>-0.869 - 67.231 - 0.834 - 61.003                                     |
| TERRAPLENAGEM | CARRIL                       | Cota  | -2.947 - 67.231 - 2.976 - 61.013<br>-3.852 - 67.231 - 4.379 - 61.094<br>-5.569 - 67.231 - 5.771 - 61.084<br>6.894 - 61.077 |
|               |                              | Dist. | -8.132 - 67.233 - 8.097 - 61.089<br>8.710 - 61.084<br>-9.869 - 67.233 - 9.834 - 61.057<br>9.893 - 61.056                   |
| DRENAGEM      | CARRIL                       | Cota  |                                                                                                                            |
|               |                              | Dist. |                                                                                                                            |

KM=70+150.000

P5.24  
Pk 70+125.000  
R= 128.305693 g  
M= -37994.367  
P= 164191.814

| EXISTENTE     | CARRIL<br>TERRENO<br>NATURAL | Cota  | -24.897 - 67.699<br>-22.070 - 67.112<br>-20.341 - 67.111                                                                                                                                          |
|---------------|------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |                              | Dist. | -13.799 - 67.197<br>-12.061 - 67.197                                                                                                                                                              |
| PROJETO       | CARRIL                       | Cota  | -6.119 - 61.732<br>-6.084 - 61.130 - 6.049 - 61.794<br>-5.470 - 61.721<br>-4.344 - 61.130 - 4.309 - 61.700                                                                                        |
|               |                              | Dist. | -0.834 - 61.622<br>-0.869 - 61.146 - 0.000 - 61.874<br>0.197 - 61.146 - 0.834 - 61.857<br>0.869 - 61.146 - 1.694 - 61.812<br>1.545 - 61.146 - 2.217 - 61.804                                      |
| TERRAPLENAGEM | CARRIL                       | Cota  | -3.831 - 67.146 - 3.995 - 61.940<br>-5.369 - 67.146 - 5.334 - 61.823<br>6.932 - 61.830<br>8.097 - 61.249<br>8.132 - 67.149 - 8.711 - 61.048<br>-9.869 - 67.149 - 9.834 - 60.865<br>9.893 - 60.863 |
|               |                              | Dist. |                                                                                                                                                                                                   |
| DRENAGEM      | CARRIL                       | Cota  |                                                                                                                                                                                                   |
|               |                              | Dist. |                                                                                                                                                                                                   |

KM=70+125.000

NOTA:

Os Perfis Transversais dizem respeito à Via Ascendente.

