

| Alignment<br>Chainage | layer | RNEW<br>Easting | Northing | Bearing   |     |
|-----------------------|-------|-----------------|----------|-----------|-----|
| 2.069                 |       | 4839.239        | 5419.172 | 217 03 12 | Str |
| 2.069                 |       | 4839.239        | 5419.172 | 127 03 15 | Str |
| 10.000                |       | 4845.560        | 5416.393 | 127 03 15 | Str |
| 20.000                |       | 4853.549        | 5408.367 | 127 03 15 | Str |
| 27.247                |       | 4859.332        | 5404.000 | 127 03 15 | Str |
| 27.247                |       | 4859.332        | 5404.000 | 34 59 00  | Str |
| 30.000                |       | 4868.900        | 5406.200 | 34 59 00  | Str |
| 35.240                |       | 4864.146        | 5410.392 | 34 59 00  | Str |
| 35.240                |       | 4864.146        | 5410.392 | 34 50 59  | Str |
| 40.000                |       | 4867.004        | 5414.100 | 34 50 59  | Str |
| 50.000                |       | 4873.020        | 5422.176 | 34 50 59  | Str |
| 55.019                |       | 4876.520        | 5426.024 | 34 50 59  | Str |
| 55.019                |       | 4876.520        | 5426.024 | 33 03 07  | Str |
| 60.000                |       | 4870.001        | 5430.329 | 33 03 07  | Str |
| 70.000                |       | 4884.255        | 5430.719 | 33 03 07  | Str |
| 76.346                |       | 4887.716        | 5444.029 | 33 03 07  | Str |
| 76.346                |       | 4887.716        | 5444.029 | 32 16 50  | Str |
| 80.000                |       | 4889.667        | 5447.119 | 32 16 50  | Str |
| 90.000                |       | 4895.000        | 5455.573 | 32 16 50  | Str |
| 97.070                |       | 4898.700        | 5461.557 | 32 16 50  | Str |
| 97.070                |       | 4898.700        | 5461.557 | 32 16 50  | Str |
| 100.000               |       | 4900.349        | 5464.020 | 32 16 50  | Str |
| 105.665               |       | 4903.374        | 5468.017 | 32 16 50  | Str |
| 105.665               |       | 4903.374        | 5468.017 | 27 34 40  | Str |
| 110.000               |       | 4905.301        | 5472.659 | 27 34 40  | Str |
| 117.704               |       | 4908.905        | 5479.559 | 27 34 40  | Str |
| 117.704               |       | 4908.905        | 5479.559 | 27 34 41  | Str |
| 120.000               |       | 4910.011        | 5481.523 | 27 34 41  | Str |
| 130.000               |       | 4914.640        | 5490.307 | 27 34 41  | Str |
| 130.360               |       | 4918.505        | 5497.707 | 27 34 41  | Str |
| 130.360               |       | 4918.505        | 5497.707 | 27 34 41  | Str |
| 140.000               |       | 4919.270        | 5499.251 | 27 34 41  | Str |
| 150.000               |       | 4923.099        | 5500.115 | 27 34 41  | Str |
| 152.147               |       | 4924.093        | 5510.010 | 27 34 41  | Str |
| 152.147               |       | 4924.093        | 5510.010 | 22 52 31  | Str |
| 159.054               |       | 4927.570        | 5516.302 | 22 52 31  | Str |
| 159.054               |       | 4927.570        | 5516.302 | 22 52 31  | Str |
| 160.000               |       | 4927.946        | 5517.253 | 22 52 31  | Str |
| 170.000               |       | 4931.033        | 5526.467 | 22 52 31  | Str |
| 179.620               |       | 4935.573        | 5535.331 | 22 52 31  | Str |
| 179.620               |       | 4935.573        | 5535.331 | 22 52 31  | Str |
| 180.000               |       | 4935.721        | 5535.600 | 22 52 31  | Str |
| 190.000               |       | 4938.600        | 5544.094 | 22 52 31  | Str |
| 198.629               |       | 4942.962        | 5552.044 | 22 52 31  | Str |
| 198.629               |       | 4942.962        | 5552.044 | 10 10 22  | Str |
| 200.000               |       | 4943.390        | 5554.147 | 10 10 22  | Str |
| 210.000               |       | 4948.509        | 5563.640 | 10 10 22  | Str |
| 220.000               |       | 4949.627        | 5573.149 | 10 10 22  | Str |

|          |          |          |               |
|----------|----------|----------|---------------|
| 2326.043 | 3741.320 | 4957.013 | 291 00 07 Str |
| 2326.043 | 3741.320 | 4957.013 | 325 37 03 Str |
| 2330.000 | 3739.549 | 4940.402 | 325 37 03 Str |
| 2340.000 | 3733.902 | 4944.455 | 325 37 03 Str |
| 2350.000 | 3720.254 | 4976.900 | 325 37 03 Str |
| 2360.000 | 3722.607 | 4905.140 | 325 37 03 Str |
| 2370.000 | 3716.960 | 4993.413 | 325 37 03 Str |
| 2380.000 | 3711.313 | 7001.444 | 325 37 03 Str |
| 2390.000 | 3705.666 | 7009.919 | 325 37 03 Str |
| 2400.000 | 3700.019 | 7018.172 | 325 37 03 Str |
| 2410.000 | 3694.372 | 7026.425 | 325 37 03 Str |
| 2420.000 | 3688.725 | 7034.678 | 325 37 03 Str |
| 2430.000 | 3683.077 | 7042.931 | 325 37 03 Str |
| 2440.000 | 3677.430 | 7051.183 | 325 37 03 Str |
| 2440.105 | 3677.371 | 7051.271 | 325 37 03 Str |
| 2440.105 | 3677.371 | 7051.271 | 54 00 40 Str  |
| 2450.000 | 3685.508 | 7056.703 | 54 00 40 Str  |
| 2460.000 | 3693.092 | 7062.354 | 54 00 40 Str  |
| 2464.420 | 3699.230 | 7065.935 | 54 00 40 Str  |
| 2464.420 | 3699.230 | 7065.935 | 326 00 40 Str |
| 2470.000 | 3697.240 | 7068.901 | 326 00 40 Str |

### Horizontal Alignment Details

| Alignment layer | RNEV1    | Northing | Radius  | TanLength | Def Angle | Bearing       |
|-----------------|----------|----------|---------|-----------|-----------|---------------|
| Chaining        | Easting  |          |         |           |           |               |
| 10.000          | 4959.129 | 5570.030 |         |           |           | 100 10 22 Str |
| 20.000          | 4960.630 | 5566.912 |         |           |           | 100 10 22 Str |
| 21.939          | 4970.472 | 5566.307 |         |           |           | 100 10 22 Str |
| 21.939          | 4970.472 | 5566.307 | 490.317 | 27.044    | 6 23 47   | 100 10 22 Arc |
| 30.000          | 4972.036 | 5574.613 | 490.317 | 27.044    | 6 23 47   | 16 35 10 Arc  |
| 40.000          | 4975.595 | 5583.425 | 490.317 | 27.044    | 6 23 47   | 15 26 10 Arc  |
| 50.000          | 4978.160 | 5593.290 | 490.317 | 27.044    | 6 23 47   | 14 17 19 Arc  |
| 60.000          | 4980.530 | 5603.005 | 490.317 | 27.044    | 6 23 47   | 13 00 20 Arc  |
| 70.000          | 4982.706 | 5612.765 | 490.317 | 27.044    | 6 23 47   | 11 59 21 Arc  |
| 77.569          | 4984.222 | 5620.101 | 490.317 | 27.044    | 6 23 47   | 11 07 00 Arc  |
| 77.569          | 4984.222 | 5620.101 |         |           |           | 11 07 00 Str  |
| 80.000          | 4984.690 | 5622.566 |         |           |           | 11 07 00 Str  |
| 90.000          | 4986.619 | 5632.379 |         |           |           | 11 07 00 Str  |
| 100.000         | 4988.547 | 5642.191 |         |           |           | 11 07 00 Str  |
| 110.000         | 4990.476 | 5652.003 |         |           |           | 11 07 00 Str  |
| 120.000         | 4992.404 | 5661.816 |         |           |           | 11 07 00 Str  |
| 130.000         | 4994.333 | 5671.628 |         |           |           | 11 07 00 Str  |
| 140.000         | 4996.261 | 5681.440 |         |           |           | 11 07 00 Str  |
| 150.000         | 4998.190 | 5691.252 |         |           |           | 11 07 00 Str  |
| 160.000         | 5000.118 | 5701.065 |         |           |           | 11 07 00 Str  |
| 170.000         | 5002.046 | 5710.877 |         |           |           | 11 07 00 Str  |
| 180.000         | 5003.975 | 5720.689 |         |           |           | 11 07 00 Str  |
| 190.000         | 5005.903 | 5730.502 |         |           |           | 11 07 00 Str  |
| 200.000         | 5007.832 | 5740.314 |         |           |           | 11 07 00 Str  |
| 210.000         | 5009.760 | 5750.126 |         |           |           | 11 07 00 Str  |
| 213.436         | 5010.423 | 5753.498 |         |           |           | 11 07 00 Str  |
| 213.436         | 5010.423 | 5753.498 | 265.305 | 34.540    | 14 49 51  | 11 07 00 Arc  |
| 220.000         | 5011.609 | 5759.954 | 265.305 | 34.540    | 14 49 51  | 9 42 07 Arc   |
| 230.000         | 5013.100 | 5769.040 | 265.305 | 34.540    | 14 49 51  | 7 32 35 Arc   |
| 240.000         | 5014.234 | 5779.776 | 265.305 | 34.540    | 14 49 51  | 5 23 03 Arc   |
| 250.000         | 5014.984 | 5789.747 | 265.305 | 34.540    | 14 49 51  | 3 13 30 Arc   |
| 260.000         | 5015.359 | 5799.739 | 265.305 | 34.540    | 14 49 51  | 1 03 50 Arc   |
| 270.000         | 5015.356 | 5009.739 | 265.305 | 34.540    | 14 49 51  | 350 54 26 Arc |
| 280.000         | 5014.977 | 5019.731 | 265.305 | 34.540    | 14 49 51  | 356 44 53 Arc |
| 282.130         | 5014.040 | 5021.057 | 265.305 | 34.540    | 14 49 51  | 356 17 10 Arc |
| 282.130         | 5014.040 | 5021.057 |         |           |           | 356 17 10 Str |
| 285.794         | 5014.611 | 5025.513 |         |           |           | 356 17 10 Str |
| 285.794         | 5014.611 | 5025.513 | 266.212 | 9.929     | 4 16 20   | 354 17 10 Arc |
| 290.000         | 5014.305 | 5029.700 | 266.212 | 9.929     | 4 16 20   | 355 22 59 Arc |
| 300.000         | 5013.313 | 5039.450 | 266.212 | 9.929     | 4 16 20   | 353 13 51 Arc |
| 305.644         | 5012.509 | 5045.255 | 266.212 | 9.929     | 4 16 20   | 352 04 50 Arc |
| 305.644         | 5012.509 | 5045.255 |         |           |           | 259 33 07 Str |
| 310.000         | 5000.305 | 5044.465 |         |           |           | 259 33 07 Str |
| 320.000         | 4990.470 | 5042.451 |         |           |           | 259 33 07 Str |
| 325.056         | 4992.712 | 5041.509 |         |           |           | 259 33 07 Str |

| Alignment | layer | RNEW1    | Northing | Radius  | TanLength | Def Angle | Bearing       |
|-----------|-------|----------|----------|---------|-----------|-----------|---------------|
| Chainage  |       | Easting  |          |         |           |           |               |
| 10.000    |       | 4959.129 | 5570.030 |         |           |           | 100 10 22 Str |
| 20.000    |       | 4960.630 | 5566.912 |         |           |           | 100 10 22 Str |
| 21.939    |       | 4970.472 | 5566.307 |         |           |           | 100 10 22 Str |
| 21.939    |       | 4970.472 | 5566.307 | 490.317 | 27.044    | 6 23 47   | 100 10 22 Arc |
| 30.000    |       | 4972.036 | 5574.613 | 490.317 | 27.044    | 6 23 47   | 16 35 10 Arc  |
| 40.000    |       | 4975.595 | 5583.625 | 490.317 | 27.044    | 6 23 47   | 15 26 10 Arc  |
| 50.000    |       | 4978.160 | 5593.290 | 490.317 | 27.044    | 6 23 47   | 14 17 19 Arc  |
| 60.000    |       | 4980.530 | 5603.005 | 490.317 | 27.044    | 6 23 47   | 13 00 20 Arc  |
| 70.000    |       | 4982.706 | 5612.765 | 490.317 | 27.044    | 6 23 47   | 11 59 21 Arc  |
| 77.569    |       | 4984.222 | 5620.101 | 490.317 | 27.044    | 6 23 47   | 11 07 00 Arc  |
| 77.569    |       | 4984.222 | 5620.101 |         |           |           | 11 07 00 Str  |
| 80.000    |       | 4984.690 | 5622.566 |         |           |           | 11 07 00 Str  |
| 90.000    |       | 4986.619 | 5632.379 |         |           |           | 11 07 00 Str  |
| 100.000   |       | 4988.547 | 5642.191 |         |           |           | 11 07 00 Str  |
| 110.000   |       | 4990.476 | 5652.003 |         |           |           | 11 07 00 Str  |
| 120.000   |       | 4992.404 | 5661.816 |         |           |           | 11 07 00 Str  |
| 130.000   |       | 4994.333 | 5671.628 |         |           |           | 11 07 00 Str  |
| 140.000   |       | 4996.261 | 5681.440 |         |           |           | 11 07 00 Str  |
| 150.000   |       | 4998.190 | 5691.252 |         |           |           | 11 07 00 Str  |
| 160.000   |       | 5000.118 | 5701.065 |         |           |           | 11 07 00 Str  |
| 170.000   |       | 5002.046 | 5710.877 |         |           |           | 11 07 00 Str  |
| 180.000   |       | 5003.975 | 5720.689 |         |           |           | 11 07 00 Str  |
| 190.000   |       | 5005.903 | 5730.502 |         |           |           | 11 07 00 Str  |
| 200.000   |       | 5007.832 | 5740.314 |         |           |           | 11 07 00 Str  |
| 210.000   |       | 5009.760 | 5750.126 |         |           |           | 11 07 00 Str  |
| 213.436   |       | 5010.423 | 5753.498 |         |           |           | 11 07 00 Str  |

[illegible]