# ANEJO Nº 1
# TOPOGRAFIA

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## 1. - INTRODUCCIÓN

El objeto de este anejo es la realización del Levantamiento topográfico para la redacción del "Proyecto de Urbanización de los terrenos liberados en el tramo del Túnel Pinar de Antequera y espacios urbanos anexos".

Este anejo contiene el levantamiento taquimétrico de la zona afectada por el proyecto, así como las bases de replanteo empleadas.

Se ha partido del levantamiento topográfico realizado por el Ayuntamiento a partir de las bases CIRA en los alrededores de la zona de actuación, que junto con el taquimétrico aportado por la contrata de ejecución de la obra del túnel, han servido de base para completar el levantamiento final.

## 2. CONSIDERACIONES

Se ha utilizado por tanto, como Datum de referencia el "ETRS-89", cuyo elipsoide de referencia es el GRS 1980 (International 1979).

El sistema de referencia ETRS89 (European Terrestrial Reference System 1989), Sistema de Referencia Terrestre Europeo 1989, ligado a la parte estable de la placa continental europea, es consistente con los modernos sistemas de navegación por satélite GPS, GLONASS y el europeo GALILEO. Su origen se remonta a la resolución de 1990 adoptada por EUREF (Subcomisión de la Asociación Internacional de Geodesia, AIG, para el Marco de Referencia Europeo) y trasladada a la Comisión Europea en 1999, por lo que está siendo adoptado sucesivamente por todos los países europeos.

El sistema de referencia geodésico global, ETRS89, sustituye al sistema geodésico de referencia regional ED50 sobre el que actualmente se está compilando toda la cartografía oficial en el ámbito de la Península Ibérica y las Islas Baleares, y el sistema REGCAN95 en el ámbito de las Islas Canarias, permitiendo una completa integración de la cartografía oficial española con los sistemas de navegación y la cartografía de otros países europeos. Asimismo, y en correspondencia con lo anterior, también se dispone la adopción de los sistemas de representación de coordenadas que deben utilizarse para compilar y publicar la cartografía e información geográfica oficial según sus características.

Como resultado del proceso de toma y tratado de datos tendremos el levantamiento topográfico referenciado respecto a las coordenadas UTM de los trabajos o cartografías realizados anteriormente.

Tras un estudio de la zona a pie de obra, y una vez comprobado el preciso cierre de las bases de replanteo, se realizó un levantamiento topográfico de la zona a ampliar.

# 3. METODOLOGIA

## 3.1. TRABAJO DE CAMPO

Para realizar los trabajos de topografía clásica sin obstáculos verticales (arboles, edificios, etc.) se utilizó un G.P.S. TOPCON modelo HIPER/HIPER de doble frecuencia (número de serie 272-0440 / 271-0117) y un colector de datos Psion Workabout con software Betop.

Para el resto se realizó la toma datos con un Estación Total marca SOKKIA, modelo SET 4110 y numero de serie 25712, con el mismo colector de datos.

Se toman al menos 10 puntos significativos (fin bordillo, centro tapa circular de arqueta, esquina muro, etc), comunes con los trabajos realizados anteriormente.

Una vez comprobados los puntos anteriores y observando que los valores residuales entran dentro de precisión requerida para este tipo de levantamientos topográficos, se procedió al levantamiento de la zona en cuestión utilizando el método de RTK en tiempo real cuando de usa GPS y lectura directa cuando se ET.

Las bases utilizadas para referenciar los nuevos trabajos son las siguientes, por un lado las aportadas por el Ayuntamiento a través de la red CIRA:

- 1035,VA05 y GP10

Y de otro las utilizadas para el replanteo de la obra del túnel de ADIF:

- BR026, BR9001 bis y BR9006

Durante el trabajo se han repuesto alguna de las mismas que se encontraban deterioradas, mediante el empotramiento en aceras de clavos de acero o hitos tipo feno,

## 3.2. TRABAJO DE GABINETE

Una vez obtenidos los datos de campo del taquimétrico se procedió al tratamiento informático de los mismos, los datos de campo se trataron en la oficina bajo el programa MDT V.4.0 para Autocad.

Se realizó un plano a escala 1:1000 con un curvado de equidistancia 1,0m entre las curvas de nivel

A continuación se representa el listado de puntos, por un lado con los puntos aportados por ADIF en ED50 del acabado del terreno después de las obras del túnel, y posteriormente con la transformación al sistema ETRS89 y enlace con las bases del CIRA del Ayuntamiento de Valladolid así como el resto de topografía.

Como se puede comprobar en los listados de puntos, la transformación y enlace implica una reducción de cota de los datos aportados inicialmente entorno a 20 cm. que habrá de tenerse en cuenta igualmente al referirlo a la cota superior de la losa del túnel.

## 4. LISTADO DE PUNTOS

*Puntos entregados en ED50*

| | | | | |
|---|---|---|---|---|
| 1 | 353947.718 | 4605862.530 | 699.637 | AGLOM I |
| 2 | 353948.777 | 4605861.877 | 699.773 | MURO I |
| 3 | 353952.238 | 4605871.965 | 699.635 | MURO |
| 4 | 353950.935 | 4605872.275 | 699.547 | AGLOM |
| 5 | 353954.551 | 4605883.234 | 699.463 | AGLOM |
| 6 | 353956.565 | 4605885.150 | 699.501 | MURO |
| 7 | 353956.288 | 4605887.073 | 699.472 | FAROLA |
| 8 | 353958.725 | 4605895.933 | 699.340 | AGLOM |
| 9 | 353959.925 | 4605895.534 | 699.411 | MURO |
| 10 | 353962.964 | 4605904.755 | 699.345 | MURO |
| 11 | 353961.783 | 4605905.169 | 699.273 | AGLOM |
| 12 | 353966.625 | 4605919.819 | 699.211 | AGLOM |
| 13 | 353967.734 | 4605919.405 | 699.273 | MURO |
| 14 | 353973.134 | 4605935.732 | 699.362 | MURO |
| 15 | 353972.751 | 4605937.277 | 699.277 | AGLOM |
| 16 | 353973.719 | 4605937.859 | 699.293 | AGLOM |
| 17 | 353974.765 | 4605937.685 | 699.319 | AGLOM |
| 18 | 353977.835 | 4605935.987 | 699.350 | AGLOM |
| 19 | 353976.055 | 4605934.195 | 699.413 | MURO |
| 20 | 353975.965 | 4605939.930 | 699.363 | RELL |
| 21 | 353980.626 | 4605937.177 | 699.456 | RELL |
| 22 | 353981.742 | 4605939.446 | 699.385 | AGLOM |
| 23 | 353982.774 | 4605941.665 | 699.471 | MURO |
| 24 | 353977.869 | 4605941.608 | 699.324 | AGLOM |
| 25 | 353976.965 | 4605942.527 | 699.311 | AGLOM |
| 26 | 353976.654 | 4605943.797 | 699.314 | AGLOM |
| 27 | 353977.088 | 4605945.065 | 699.316 | AGLOM |
| 28 | 353978.009 | 4605944.352 | 699.384 | MURO |
| 29 | 353981.930 | 4605951.220 | 699.391 | MURO |
| 30 | 353980.951 | 4605951.739 | 699.347 | AGLOM |
| 31 | 353985.981 | 4605960.491 | 699.348 | AGLOM |
| 32 | 353987.197 | 4605960.354 | 699.416 | MURO |
| 33 | 353991.456 | 4605967.733 | 699.465 | PUERTA |
| 34 | 353990.499 | 4605968.315 | 699.379 | AGLOM |
| 35 | 353993.499 | 4605971.273 | 699.488 | PUERTA |
| 36 | 353992.588 | 4605971.925 | 699.437 | AGLOM |
| 37 | 353997.051 | 4605979.665 | 699.485 | AGLOM |
| 38 | 353998.055 | 4605979.166 | 699.549 | MURO |
| 39 | 354001.802 | 4605986.995 | 699.579 | FAROLA |
| 40 | 353991.667 | 4605991.685 | 699.448 | ARBOL |
| 41 | 353992.368 | 4605991.972 | 699.546 | ARBOL |
| 42 | 353991.266 | 4605992.541 | 699.485 | ARBOL |
| 43 | 354005.959 | 4605993.745 | 699.621 | MURO |
| 44 | 354004.880 | 4605994.018 | 699.570 | AGLOM |
| 45 | 354010.074 | 4606004.081 | 699.628 | AGLOM |
| 46 | 354011.213 | 4606003.925 | 699.695 | MURO |
| 47 | 354017.072 | 4606015.255 | 699.769 | MURO |
| 48 | 354016.121 | 4606015.760 | 699.708 | AGLOM |
| 49 | 354023.438 | 4606029.879 | 699.820 | AGLOM |
| 50 | 354024.350 | 4606029.226 | 699.912 | MURO |
| 51 | 353976.840 | 4605953.369 | 699.246 | AGLOM I |
| 52 | 353983.119 | 4605963.895 | 699.250 | AGLOM |
| 53 | 353988.798 | 4605974.138 | 699.310 | AGLOM |
| 54 | 353993.914 | 4605982.765 | 699.398 | AGLOM |
| 55 | 354000.051 | 4605993.773 | 699.449 | AGLOM |
| 56 | 354005.073 | 4606003.438 | 699.472 | AGLOM |
| 57 | 354009.494 | 4606012.796 | 699.524 | AGLOM |
| 58 | 354014.819 | 4606025.836 | 699.660 | AGLOM |
| 59 | 354015.156 | 4606028.346 | 699.699 | AGLOM |
| 60 | 354027.682 | 4606051.974 | 699.810 | AGLOM |
| 61 | 354015.860 | 4606041.654 | 699.944 | AGLOM |
| 62 | 354002.817 | 4606029.913 | 699.885 | AGLOM |
| 63 | 354007.581 | 4606023.659 | 699.872 | AGLOM |
| 64 | 353992.183 | 4606010.165 | 699.818 | AGLOM |
| 65 | 353987.057 | 4606016.063 | 699.861 | AGLOM |
| 66 | 353971.670 | 4606002.538 | 699.711 | AGLOM |
| 67 | 353976.666 | 4605996.660 | 699.667 | AGLOM |
| 68 | 353963.443 | 4605984.821 | 699.501 | AGLOM |
| 69 | 353955.723 | 4605988.360 | 699.554 | AGLOM |
| 70 | 353941.096 | 4605974.488 | 699.407 | AGLOM |
| 71 | 353946.075 | 4605968.393 | 699.291 | AGLOM |
| 72 | 353930.670 | 4605951.412 | 699.107 | AGLOM |
| 73 | 353924.514 | 4605956.108 | 699.246 | AGLOM |
| 74 | 353910.832 | 4605937.693 | 699.221 | AGLOM |
| 75 | 353917.385 | 4605933.267 | 698.980 | AGLOM |
| 76 | 353903.282 | 4605909.511 | 699.096 | AGLOM |
| 77 | 353895.681 | 4605912.533 | 699.196 | AGLOM |
| 78 | 353885.054 | 4605890.682 | 699.125 | AGLOM |
| 79 | 353892.321 | 4605887.144 | 699.113 | AGLOM |
| 80 | 353881.274 | 4605863.156 | 699.047 | AGLOM |
| 81 | 353876.520 | 4605871.266 | 699.092 | AGLOM |
| 82 | 353906.863 | 4605915.167 | 699.101 | PT I |
| 83 | 353902.620 | 4605906.602 | 699.000 | PT |
| 84 | 353894.512 | 4605889.347 | 698.963 | PT |
| 85 | 353888.833 | 4605876.647 | 698.988 | PT |
| 86 | 353882.802 | 4605864.528 | 699.104 | PT |
| 87 | 353884.744 | 4605862.345 | 699.652 | CT I |
| 88 | 353889.104 | 4605866.952 | 698.960 | PT I |
| 89 | 353890.366 | 4605874.975 | 699.674 | CT |
| 90 | 353892.200 | 4605874.432 | 698.919 | PT |
| 91 | 353894.812 | 4605885.220 | 699.570 | CT |
| 92 | 353896.751 | 4605884.574 | 698.963 | PT |
| 93 | 353902.360 | 4605896.065 | 698.963 | PT |
| 94 | 353900.766 | 4605898.214 | 699.587 | CT |

| | | | | |
|---|---|---|---|---|
| 95 | 353904.573 | 4605906.794 | 699.609 | CT |
| 96 | 353906.485 | 4605905.878 | 698.965 | PT |
| 97 | 353908.555 | 4605915.653 | 699.664 | CT |
| 98 | 353908.960 | 4605916.449 | 699.140 | PT |
| 99 | 353910.189 | 4605914.589 | 699.165 | PT |
| 100 | 353910.248 | 4605915.940 | 699.249 | PT |
| 101 | 353908.927 | 4605876.714 | 699.312 | RELL |
| 102 | 353920.202 | 4605873.351 | 699.325 | RELL |
| 103 | 353944.631 | 4605866.128 | 699.532 | AGLOM |
| 104 | 353952.324 | 4605888.566 | 699.347 | AGLOM |
| 105 | 353930.788 | 4605896.493 | 699.351 | RELL |
| 106 | 353920.550 | 4605900.629 | 699.304 | RELL |
| 107 | 353924.717 | 4605923.032 | 699.179 | RELL |
| 108 | 353933.263 | 4605920.401 | 699.419 | RELL |
| 109 | 353940.143 | 4605918.157 | 699.398 | RELL |
| 110 | 353959.891 | 4605911.636 | 699.190 | AGLOM |
| 111 | 353967.378 | 4605934.925 | 699.183 | AGLOM |
| 112 | 353967.103 | 4605935.062 | 699.180 | VIA |
| 113 | 353960.957 | 4605936.926 | 699.246 | RELL |
| 114 | 353954.421 | 4605939.774 | 699.270 | PT |
| 115 | 353953.685 | 4605940.075 | 699.313 | CT |
| 116 | 353946.291 | 4605942.703 | 699.328 | RELL |
| 117 | 353934.701 | 4605948.325 | 699.238 | RELL |
| 118 | 353934.913 | 4605947.890 | 699.377 | CT I |
| 119 | 353935.565 | 4605947.584 | 699.344 | CT |
| 120 | 353929.673 | 4605934.430 | 699.292 | CT |
| 121 | 353935.049 | 4605932.439 | 699.382 | CT |
| 122 | 353940.695 | 4605945.131 | 699.377 | CT |
| 123 | 353943.838 | 4605943.695 | 699.401 | CT |
| 124 | 353945.342 | 4605944.954 | 699.384 | CT |
| 125 | 353948.783 | 4605953.080 | 699.386 | CT |
| 126 | 353948.338 | 4605953.854 | 699.395 | CT |
| 127 | 353939.131 | 4605957.882 | 699.394 | CT C |
| 128 | 353961.387 | 4605970.478 | 699.381 | RELL |
| 129 | 353970.522 | 4605966.716 | 699.285 | RELL |
| 130 | 353978.595 | 4605964.744 | 699.250 | RELL |
| 131 | 353987.516 | 4605987.635 | 699.295 | RELL |
| 132 | 353981.645 | 4605990.506 | 699.439 | RELL |
| 133 | 353992.566 | 4606004.797 | 699.469 | RELL |
| 134 | 353999.653 | 4606004.558 | 699.431 | RELL |
| 135 | 353993.833 | 4606007.912 | 699.633 | SIFON |
| 136 | 353978.017 | 4605963.664 | 699.232 | SIFON |
| 137 | 353967.340 | 4605932.949 | 699.223 | SIFON |
| 138 | 353752.843 | 4605294.946 | 700.208 | MURO I |
| 139 | 353759.058 | 4605313.712 | 700.201 | MURO |
| 140 | 353764.224 | 4605329.402 | 700.277 | MURO |
| 141 | 353763.602 | 4605330.090 | 700.196 | AGLOM |
| 142 | 353769.191 | 4605346.382 | 700.297 | AGLOM |
| 143 | 353775.240 | 4605364.426 | 700.399 | AGLOM |
| 144 | 353781.456 | 4605382.738 | 700.458 | AGLOM |
| 145 | 353787.396 | 4605400.163 | 700.257 | AGLOM |
| 146 | 353792.592 | 4605415.498 | 700.167 | AGLOM |
| 147 | 353798.249 | 4605431.944 | 700.080 | AGLOM |
| 148 | 353803.106 | 4605446.079 | 699.914 | AGLOM |
| 149 | 353777.597 | 4605455.251 | 699.724 | MURO |
| 150 | 353778.437 | 4605455.047 | 699.490 | PT I |
| 151 | 353772.148 | 4605439.233 | 700.148 | MURO |
| 152 | 353772.816 | 4605439.047 | 699.453 | PT |
| 153 | 353763.172 | 4605411.418 | 699.476 | PT |
| 154 | 353762.689 | 4605411.453 | 699.912 | MURO |
| 155 | 353751.156 | 4605378.127 | 699.924 | MURO |
| 156 | 353751.616 | 4605377.632 | 699.652 | PT |
| 157 | 353747.378 | 4605365.241 | 699.610 | PT |
| 158 | 353746.875 | 4605365.598 | 699.993 | MURO I |
| 159 | 353746.559 | 4605364.374 | 699.947 | MURO |
| 160 | 353741.203 | 4605365.353 | 699.941 | MURO |
| 161 | 353740.909 | 4605363.401 | 699.821 | AGLOM I |
| 162 | 353744.861 | 4605362.789 | 699.841 | AGLOM |
| 163 | 353743.124 | 4605360.279 | 699.936 | TAPA SAN |
| 164 | 353742.994 | 4605359.672 | 699.931 | TAPA SAN |
| 165 | 353740.959 | 4605360.062 | 699.939 | TAPA SAN |
| 166 | 353741.075 | 4605360.695 | 699.944 | TAPA SAN |
| 167 | 353744.297 | 4605358.016 | 700.052 | SIFON |
| 168 | 353740.645 | 4605357.433 | 699.814 | AGLOM I |
| 169 | 353739.095 | 4605357.694 | 699.808 | AGLOM |
| 170 | 353739.074 | 4605355.636 | 699.923 | MURO I |
| 171 | 353743.179 | 4605354.966 | 699.933 | MURO |
| 172 | 353743.156 | 4605354.898 | 699.986 | MURO |
| 173 | 353743.496 | 4605354.514 | 699.836 | PT I |
| 174 | 353738.271 | 4605337.967 | 699.837 | PT |
| 175 | 353737.471 | 4605338.130 | 700.026 | MURO I |
| 176 | 353733.681 | 4605326.369 | 700.205 | MURO |
| 177 | 353733.357 | 4605325.602 | 700.628 | MURO |
| 178 | 353729.809 | 4605314.097 | 700.526 | MURO |
| 179 | 353729.428 | 4605312.954 | 700.245 | MURO |
| 180 | 353729.862 | 4605312.794 | 699.768 | PT |
| 181 | 353723.570 | 4605293.138 | 699.597 | PT |
| 182 | 353722.395 | 4605293.521 | 700.068 | MURO |
| 183 | 353764.275 | 4605329.557 | 700.196 | MURO I |
| 184 | 353766.661 | 4605329.189 | 700.231 | PUERTA |
| 185 | 353767.878 | 4605329.001 | 700.226 | PUERTA |
| 186 | 353770.721 | 4605328.562 | 700.218 | MURO |
| 187 | 353769.918 | 4605330.049 | 700.103 | AGLOM I |
| 188 | 353766.000 | 4605330.649 | 700.157 | AGLOM |
| 189 | 353764.719 | 4605330.261 | 700.162 | AGLOM |
| 190 | 353770.892 | 4605333.420 | 700.080 | AGLOM |
| 191 | 353768.984 | 4605333.703 | 700.128 | AGLOM |
| 192 | 353767.972 | 4605334.025 | 700.175 | AGLOM |
| 193 | 353767.703 | 4605334.836 | 700.230 | AGLOM |
| 194 | 353771.199 | 4605334.384 | 700.110 | MURO |
| 195 | 353768.837 | 4605334.698 | 700.180 | MURO |
| 196 | 353768.787 | 4605334.904 | 700.259 | MURO |
| 197 | 353768.722 | 4605334.713 | 700.254 | MURO |
| 198 | 353767.808 | 4605335.269 | 700.233 | AGLOM |
| 199 | 353771.594 | 4605343.110 | 700.329 | MURO |
| 200 | 353770.547 | 4605343.372 | 700.247 | AGLOM |
| 201 | 353775.710 | 4605355.314 | 700.415 | MURO |
| 202 | 353774.681 | 4605355.695 | 700.342 | AGLOM |
| 203 | 353779.481 | 4605366.713 | 700.523 | PUERTA |
| 204 | 353778.497 | 4605367.072 | 700.446 | AGLOM |
| 205 | 353781.799 | 4605373.489 | 700.550 | PUERTA |
| 206 | 353780.722 | 4605373.722 | 700.484 | AGLOM |
| 207 | 353783.064 | 4605377.206 | 700.560 | PUERTA |
| 208 | 353782.002 | 4605377.474 | 700.494 | AGLOM |

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|---|---|---|---|---|
| 209 | 353783.189 | 4605377.733 | 700.654 | PUERTA |
| 210 | 353783.392 | 4605378.269 | 700.560 | PUERTA |
| 211 | 353783.727 | 4605379.682 | 700.570 | FAROLA |
| 212 | 353785.277 | 4605383.824 | 700.545 | PUERTA |
| 213 | 353785.425 | 4605384.376 | 700.670 | PUERTA |
| 214 | 353785.645 | 4605384.924 | 700.548 | PUERTA |
| 215 | 353784.706 | 4605385.483 | 700.502 | AGLOM |
| 216 | 353785.985 | 4605386.001 | 700.547 | PUERTA |
| 217 | 353786.943 | 4605388.958 | 700.518 | PUERTA |
| 218 | 353790.412 | 4605399.283 | 700.333 | PUERTA |
| 219 | 353791.682 | 4605403.017 | 700.315 | PUERTA |
| 220 | 353790.675 | 4605403.307 | 700.235 | AGLOM |
| 221 | 353794.331 | 4605411.438 | 700.263 | FAROLA |
| 222 | 353795.969 | 4605415.795 | 700.229 | MURO |
| 223 | 353794.890 | 4605416.036 | 700.162 | AGLOM |
| 224 | 353798.682 | 4605424.052 | 700.154 | PUERTA |
| 225 | 353799.519 | 4605426.582 | 700.161 | PUERTA |
| 226 | 353798.534 | 4605426.906 | 700.103 | AGLOM |
| 227 | 353802.602 | 4605435.698 | 700.125 | MURO |
| 228 | 353801.492 | 4605435.817 | 700.071 | AGLOM |
| 229 | 353782.633 | 4605468.307 | 699.402 | PT |
| 230 | 353782.138 | 4605468.477 | 699.620 | MURO |
| 231 | 353788.939 | 4605488.119 | 699.326 | MURO |
| 232 | 353789.515 | 4605487.936 | 699.281 | PT |
| 233 | 353794.567 | 4605501.702 | 699.283 | PT |
| 234 | 353793.759 | 4605501.857 | 699.395 | MURO |
| 235 | 353800.930 | 4605522.665 | 699.566 | MURO |
| 236 | 353801.800 | 4605522.465 | 699.429 | PT |
| 237 | 353803.990 | 4605531.471 | 699.469 | MURO |
| 239 | 353804.811 | 4605531.222 | 699.492 | PT |
| 240 | 353807.358 | 4605532.101 | 699.436 | ARQ |
| 241 | 353806.041 | 4605531.239 | 699.437 | ARQ |
| 244 | 353805.343 | 4605543.178 | 699.609 | PT |
| 245 | 353813.141 | 4605565.076 | 699.615 | PT |
| 248 | 353819.143 | 4605582.724 | 699.684 | PT |
| 249 | 353823.864 | 4605596.998 | 699.741 | PT |
| 251 | 353828.834 | 4605613.281 | 699.729 | MURO |
| 252 | 353831.267 | 4605612.520 | 699.475 | PT |
| 253 | 353835.584 | 4605624.288 | 699.642 | PT |
| 254 | 353832.918 | 4605625.447 | 700.196 | MURO |
| 255 | 353835.151 | 4605624.694 | 700.158 | MURO |
| 256 | 353839.380 | 4605637.553 | 700.082 | MURO |
| 257 | 353846.974 | 4605654.605 | 699.747 | PT |
| 258 | 353845.171 | 4605655.266 | 700.216 | MURO |
| 259 | 353871.730 | 4605646.401 | 699.567 | VIA I |
| 260 | 353869.249 | 4605638.697 | 699.620 | SIFON |
| 261 | 353843.711 | 4605644.739 | 699.832 | SIFON |
| 262 | 353867.152 | 4605632.499 | 699.543 | VIA |
| 263 | 353861.381 | 4605616.060 | 699.577 | VIA |
| 264 | 353856.918 | 4605602.679 | 699.567 | VIA |
| 265 | 353850.812 | 4605584.808 | 699.499 | VIA |
| 266 | 353845.042 | 4605567.430 | 699.646 | VIA |
| 267 | 353836.978 | 4605543.944 | 699.602 | VIA |
| 268 | 353830.707 | 4605527.176 | 699.466 | VIA |
| 269 | 353823.767 | 4605506.881 | 699.585 | VIA |
| 270 | 353817.304 | 4605487.498 | 699.469 | VIA |
| 271 | 353809.537 | 4605464.999 | 699.607 | VIA |
| 272 | 353806.576 | 4605434.401 | 700.255 | MURO |
| 273 | 353808.779 | 4605440.448 | 700.100 | PUERTA |
| 274 | 353809.886 | 4605443.502 | 700.077 | PUERTA |
| 275 | 353802.790 | 4605437.728 | 700.063 | AGLOM |
| 276 | 353805.983 | 4605442.031 | 700.030 | AGLOM |
| 277 | 353810.351 | 4605448.735 | 699.958 | AGLOM |
| 278 | 353813.096 | 4605453.084 | 699.980 | MURO |
| 279 | 353815.058 | 4605458.925 | 699.911 | PUERTA |
| 280 | 353815.830 | 4605461.353 | 699.914 | PUERTA |
| 281 | 353814.906 | 4605461.752 | 699.834 | AGLOM |
| 282 | 353818.359 | 4605468.800 | 699.835 | MURO |
| 283 | 353820.341 | 4605474.859 | 699.772 | PUERTA |
| 284 | 353820.656 | 4605475.838 | 699.759 | PUERTA |
| 285 | 353819.731 | 4605476.203 | 699.684 | AGLOM |
| 286 | 353805.177 | 4605449.050 | 699.925 | AGLOM |
| 287 | 353811.796 | 4605465.251 | 699.743 | AGLOM |
| 288 | 353815.889 | 4605477.815 | 699.641 | AGLOM |
| 289 | 353820.470 | 4605491.838 | 699.553 | AGLOM |
| 290 | 353824.801 | 4605489.888 | 699.669 | FAROLA |
| 291 | 353827.721 | 4605496.928 | 699.647 | MURO |
| 292 | 353831.632 | 4605508.521 | 699.611 | PUERTA |
| 293 | 353832.141 | 4605510.066 | 699.612 | PUERTA |
| 294 | 353831.120 | 4605510.310 | 699.532 | AGLOM |
| 295 | 353827.068 | 4605511.546 | 699.518 | AGLOM |
| 296 | 353835.537 | 4605520.334 | 699.661 | MURO |
| 297 | 353838.594 | 4605529.364 | 699.700 | PUERTA |
| 298 | 353839.100 | 4605530.899 | 699.693 | PUERTA |
| 299 | 353838.123 | 4605531.301 | 699.643 | AGLOM |
| 300 | 353834.273 | 4605532.557 | 699.622 | AGLOM |
| 301 | 353839.332 | 4605547.206 | 699.651 | AGLOM |
| 302 | 353843.137 | 4605546.151 | 699.722 | AGLOM |
| 303 | 353843.612 | 4605547.101 | 699.732 | AGLOM |
| 304 | 353844.519 | 4605547.659 | 699.729 | AGLOM |
| 305 | 353845.744 | 4605547.734 | 699.746 | AGLOM |
| 306 | 353844.103 | 4605545.991 | 699.802 | MURO |
| 307 | 353848.723 | 4605544.416 | 699.857 | MURO |
| 308 | 353849.709 | 4605546.547 | 699.778 | AGLOM |
| 309 | 353846.842 | 4605553.004 | 699.721 | AGLOM |
| 310 | 353846.210 | 4605554.149 | 699.693 | AGLOM |
| 311 | 353846.156 | 4605555.327 | 699.684 | AGLOM |
| 312 | 353842.671 | 4605556.769 | 699.661 | AGLOM |
| 313 | 353847.151 | 4605555.243 | 699.684 | MURO |
| 314 | 353850.133 | 4605563.849 | 699.678 | PUERTA |
| 315 | 353850.464 | 4605564.891 | 699.672 | PUERTA |
| 316 | 353849.434 | 4605565.158 | 699.613 | AGLOM |
| 317 | 353845.874 | 4605566.482 | 699.622 | AGLOM |
| 318 | 353849.858 | 4605577.973 | 699.600 | AGLOM |
| 319 | 353853.201 | 4605576.545 | 699.613 | AGLOM |
| 320 | 353854.264 | 4605576.477 | 699.686 | MURO |
| 321 | 353859.384 | 4605591.918 | 699.706 | PUERTA |
| 322 | 353859.814 | 4605593.257 | 699.707 | PUERTA |
| 323 | 353862.260 | 4605602.206 | 699.701 | FAROLA |
| 324 | 353862.191 | 4605603.574 | 699.648 | AGLOM |
| 325 | 353858.882 | 4605604.856 | 699.564 | AGLOM |
| 326 | 353865.497 | 4605610.175 | 699.725 | PUERTA |
| 327 | 353866.457 | 4605613.112 | 699.720 | PUERTA |
| 328 | 353871.097 | 4605627.329 | 699.735 | PUERTA |

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|---|---|---|---|---|
| 329 | 353871.580 | 4605628.781 | 699.701 | PUERTA |
| 330 | 353870.636 | 4605628.960 | 699.644 | AGLOM |
| 331 | 353867.646 | 4605630.154 | 699.602 | AGLOM |
| 332 | 353875.873 | 4605641.461 | 699.706 | PUERTA |
| 333 | 353876.366 | 4605642.889 | 699.698 | PUERTA |
| 334 | 353875.371 | 4605643.282 | 699.640 | AGLOM |
| 335 | 353872.376 | 4605644.177 | 699.630 | AGLOM |
| 336 | 353845.435 | 4605656.711 | 699.704 | PT I |
| 337 | 353838.526 | 4605659.610 | 699.820 | PT |
| 338 | 353837.537 | 4605657.728 | 700.179 | MURO |
| 339 | 353841.877 | 4605673.075 | 699.593 | PT I |
| 340 | 353843.471 | 4605670.187 | 699.715 | PT |
| 341 | 353847.357 | 4605668.129 | 699.696 | PT |
| 342 | 353850.736 | 4605670.320 | 699.528 | PT |
| 343 | 353853.559 | 4605675.076 | 699.498 | PT |
| 344 | 353855.807 | 4605681.375 | 699.537 | PT |
| 345 | 353860.212 | 4605693.130 | 699.766 | MURO |
| 346 | 353859.662 | 4605693.313 | 699.789 | PUERTA |
| 347 | 353858.863 | 4605693.578 | 699.925 | PUERTA |
| 348 | 353857.958 | 4605693.878 | 699.805 | PUERTA |
| 349 | 353853.555 | 4605695.340 | 699.827 | MURO |
| 350 | 353875.812 | 4605659.944 | 699.630 | AGLOM |
| 351 | 353880.688 | 4605671.375 | 699.675 | AGLOM |
| 352 | 353884.960 | 4605684.537 | 699.676 | AGLOM |
| 353 | 353844.178 | 4605674.593 | 700.815 | CT I |
| 354 | 353845.615 | 4605670.792 | 700.782 | CT |
| 355 | 353847.870 | 4605669.550 | 700.765 | CT |
| 356 | 353850.459 | 4605670.938 | 700.905 | CT |
| 357 | 353853.498 | 4605680.585 | 700.673 | CT |
| 358 | 353878.815 | 4605650.274 | 699.779 | MURO |
| 359 | 353881.124 | 4605649.481 | 699.852 | MURO |
| 360 | 353877.761 | 4605650.388 | 699.683 | AGLOM |
| 361 | 353878.262 | 4605651.485 | 699.700 | AGLOM |
| 362 | 353879.194 | 4605652.308 | 699.735 | AGLOM |
| 363 | 353880.460 | 4605652.477 | 699.774 | AGLOM |
| 364 | 353881.244 | 4605654.655 | 699.761 | AGLOM |
| 365 | 353882.001 | 4605656.793 | 699.759 | AGLOM |
| 366 | 353881.109 | 4605657.733 | 699.748 | AGLOM |
| 367 | 353880.625 | 4605658.755 | 699.760 | AGLOM |
| 368 | 353880.858 | 4605659.978 | 699.758 | AGLOM |
| 369 | 353881.530 | 4605662.034 | 699.755 | AGLOM |
| 370 | 353885.157 | 4605658.199 | 699.839 | ZAPATA |
| 371 | 353886.043 | 4605661.389 | 699.832 | ZAPATA |
| 372 | 353889.545 | 4605660.222 | 699.849 | ZAPATA |
| 373 | 353889.766 | 4605659.342 | 699.846 | ZAPATA |
| 374 | 353888.912 | 4605656.986 | 699.867 | ARQ |
| 375 | 353880.250 | 4605655.457 | 699.777 | TAPA SAN |
| 376 | 353881.711 | 4605659.893 | 699.812 | ZAPATA |
| 377 | 353880.910 | 4605659.409 | 699.811 | ARQ |
| 378 | 353833.530 | 4605645.367 | 700.210 | MURO |
| 379 | 353825.234 | 4605648.012 | 700.243 | PUERTA |
| 380 | 353822.349 | 4605649.035 | 700.251 | PUERTA |
| 381 | 353828.073 | 4605647.151 | 700.250 | PUERTA |
| 382 | 353818.986 | 4605650.142 | 700.217 | MURO |
| 383 | 353814.101 | 4605645.630 | 700.221 | MURO |
| 384 | 353815.777 | 4605650.897 | 700.127 | MURO |
| 385 | 353816.234 | 4605652.147 | 699.881 | PT I |
| 386 | 353817.217 | 4605651.796 | 700.090 | CT I |
| 387 | 353820.312 | 4605660.483 | 699.710 | CT |
| 388 | 353819.128 | 4605660.908 | 699.527 | PT |
| 389 | 353823.414 | 4605669.502 | 699.678 | CT |
| 390 | 353821.700 | 4605669.896 | 699.358 | PT |
| 391 | 353826.418 | 4605678.356 | 699.687 | CT |
| 392 | 353825.102 | 4605678.768 | 699.402 | PT |
| 393 | 353826.731 | 4605681.893 | 699.291 | TORRE |
| 394 | 353827.762 | 4605682.568 | 699.287 | TORRE |
| 395 | 353829.789 | 4605692.386 | 699.178 | PT |
| 396 | 353833.591 | 4605703.647 | 699.047 | MURO |
| 397 | 353836.196 | 4605711.269 | 699.129 | MURO |
| 398 | 353839.797 | 4605721.848 | 699.260 | PUERTA |
| 399 | 353844.176 | 4605725.993 | 699.069 | PUERTA |
| 400 | 353844.270 | 4605725.419 | 699.422 | PUERTA |
| 401 | 353844.393 | 4605724.661 | 699.111 | PUERTA |
| 402 | 353845.027 | 4605720.727 | 699.203 | MURO |
| 403 | 353851.408 | 4605718.621 | 699.425 | MURO |
| COTA MAX | | | | |
| 404 | 353857.054 | 4605716.757 | 699.499 | MURO |
| 405 | 353857.853 | 4605719.441 | 699.286 | MURO |
| 406 | 353865.560 | 4605716.900 | 699.603 | MURO |
| 407 | 353859.740 | 4605706.404 | 699.794 | MURO |
| 408 | 353857.019 | 4605703.662 | 699.895 | ARQ |
| 409 | 353856.317 | 4605704.973 | 699.919 | ARQ |
| 410 | 353858.242 | 4605701.976 | 699.859 | MURO |
| COTA MAX | | | | |
| 411 | 353854.190 | 4605697.167 | 699.795 | MURO |
| 412 | 353849.082 | 4605694.723 | 699.594 | ARQ |
| 413 | 353847.371 | 4605695.265 | 699.509 | ARQ |
| 414 | 353846.501 | 4605692.657 | 699.454 | ARQ |
| 415 | 353848.184 | 4605692.062 | 699.555 | ARQ |
| 416 | 353847.400 | 4605692.339 | 699.732 | ARQ |
| COTA MAX | | | | |
| 417 | 353849.071 | 4605689.598 | 699.693 | ARQ |
| 418 | 353849.136 | 4605688.480 | 699.745 | ARQ |
| 419 | 353849.194 | 4605688.247 | 699.759 | ARQ |
| 420 | 353850.543 | 4605688.764 | 699.811 | ARQ |
| 421 | 353850.620 | 4605688.632 | 699.810 | ARQ |
| 422 | 353851.439 | 4605687.270 | 699.809 | ARQ |
| 423 | 353845.795 | 4605686.633 | 699.434 | PT I |
| 424 | 353845.911 | 4605684.490 | 700.866 | CT I |
| 425 | 353843.970 | 4605705.722 | 699.327 | RELL |
| 426 | 353839.966 | 4605695.575 | 699.258 | RELL |
| 427 | 353836.337 | 4605684.159 | 699.322 | RELL |
| 428 | 353835.084 | 4605674.038 | 699.548 | RELL |
| 429 | 353832.264 | 4605661.793 | 699.830 | RELL |
| 430 | 353824.499 | 4605653.867 | 700.032 | CT I |
| 431 | 353819.436 | 4605655.409 | 700.021 | CT |
| 432 | 353821.079 | 4605660.209 | 699.970 | CT |
| 433 | 353824.389 | 4605670.015 | 699.948 | CT |
| 434 | 353826.831 | 4605677.483 | 699.975 | CT |
| 435 | 353831.788 | 4605675.561 | 699.961 | CT |
| 436 | 353830.050 | 4605670.296 | 699.964 | CT |
| 437 | 353827.468 | 4605662.830 | 699.984 | CT |
| 438 | 353825.488 | 4605656.718 | 700.013 | CT |
| 439 | 353848.847 | 4605554.694 | 699.700 | MURO |

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|---|---|---|---|---|
| 440 | 353861.994 | 4605705.613 | 699.790 | PUERTA |
| 441 | 353861.304 | 4605705.855 | 699.924 | PUERTA |
| 442 | 353860.566 | 4605706.114 | 699.824 | PUERTA |
| 443 | 353864.181 | 4605704.845 | 699.788 | MURO |
| 444 | 353866.978 | 4605721.107 | 699.502 | MURO |
| 445 | 353869.320 | 4605723.505 | 699.609 | MURO |
| 446 | 353869.592 | 4605723.500 | 699.574 | PT I |
| 447 | 353871.182 | 4605728.900 | 699.937 | MURO |
| 448 | 353872.041 | 4605728.480 | 699.458 | PT |
| 449 | 353877.976 | 4605745.632 | 699.596 | PT |
| 450 | 353876.769 | 4605745.838 | 700.014 | MURO |
| 451 | 353880.870 | 4605758.172 | 699.983 | MURO |
| 452 | 353881.929 | 4605758.433 | 699.607 | PT |
| 453 | 353886.246 | 4605770.449 | 699.502 | PT |
| 454 | 353885.074 | 4605770.977 | 699.910 | MURO |
| 455 | 353886.534 | 4605772.131 | 699.719 | MURO |
| 456 | 353886.551 | 4605772.697 | 699.966 | PUERTA |
| 457 | 353886.615 | 4605774.849 | 700.084 | PUERTA |
| 458 | 353886.683 | 4605777.152 | 699.936 | PUERTA |
| 459 | 353886.694 | 4605777.502 | 699.855 | MURO |
| 460 | 353888.095 | 4605776.999 | 699.619 | PT |
| 461 | 353890.727 | 4605783.553 | 699.983 | ARQ |
| 462 | 353890.232 | 4605788.111 | 699.944 | ARQ |
| 463 | 353889.345 | 4605788.425 | 700.015 | ARQ |
| 464 | 353887.680 | 4605787.867 | 700.024 | ARQ |
| 465 | 353887.847 | 4605787.243 | 699.967 | TAPA SAN |
| 466 | 353887.665 | 4605786.722 | 699.966 | TAPA SAN |
| 467 | 353887.494 | 4605789.859 | 699.950 | TAPA |
| ABAS | | | | |
| 468 | 353886.919 | 4605790.141 | 699.940 | TAPA |
| ABAS | | | | |
| 469 | 353886.946 | 4605792.233 | 699.691 | ARQ |
| 470 | 353886.676 | 4605793.629 | 699.675 | ARQ |
| 471 | 353886.662 | 4605793.948 | 699.702 | ARQ |
| 472 | 353885.064 | 4605793.259 | 699.652 | ARQ |
| 473 | 353880.109 | 4605780.097 | 699.222 | CASETA |
| 474 | 353881.131 | 4605783.340 | 699.377 | CASETA |
| 475 | 353878.416 | 4605784.212 | 699.446 | CASETA |
| 476 | 353881.053 | 4605781.865 | 699.134 | CAJA |
| 477 | 353881.815 | 4605781.019 | 699.246 | CAJA |
| 478 | 353886.041 | 4605778.242 | 699.857 | PT I |
| 479 | 353882.789 | 4605780.914 | 699.273 | PT |
| 480 | 353880.906 | 4605784.360 | 699.452 | PT |
| 481 | 353877.617 | 4605784.676 | 699.446 | PT |
| 482 | 353873.419 | 4605788.705 | 699.286 | PT |
| 483 | 353875.797 | 4605799.240 | 699.357 | PT I |
| 484 | 353883.366 | 4605794.177 | 699.481 | PT |
| 485 | 353886.218 | 4605790.585 | 699.219 | PT |
| 486 | 353886.712 | 4605785.424 | 699.067 | PT |
| 487 | 353888.504 | 4605779.927 | 699.471 | PT |
| 488 | 353887.470 | 4605778.479 | 700.083 | CT I |
| 489 | 353886.457 | 4605779.009 | 700.134 | CT |
| 490 | 353883.413 | 4605783.018 | 699.968 | CT |
| 491 | 353880.431 | 4605786.511 | 700.233 | CT |
| 492 | 353875.274 | 4605789.521 | 699.907 | CT |
| 493 | 353876.680 | 4605794.254 | 699.840 | CT I |
| 494 | 353882.191 | 4605791.776 | 700.194 | CT |
| 495 | 353882.616 | 4605790.178 | 700.249 | CT |
| 496 | 353885.306 | 4605788.150 | 700.042 | CT |
| 497 | 353884.874 | 4605784.560 | 700.033 | CT |
| 498 | 353886.234 | 4605781.029 | 700.204 | CT |
| 499 | 353887.618 | 4605779.541 | 700.063 | CT |
| 500 | 353890.538 | 4605783.516 | 699.095 | PT I |
| 501 | 353888.806 | 4605784.129 | 699.009 | PT |
| 502 | 353890.186 | 4605788.217 | 699.066 | PT |
| 503 | 353887.479 | 4605792.595 | 698.928 | PT |
| 504 | 353888.454 | 4605793.525 | 699.540 | CT I |
| 505 | 353890.834 | 4605790.206 | 699.729 | CT |
| 506 | 353892.273 | 4605787.563 | 699.838 | CT |
| 507 | 353890.940 | 4605782.752 | 699.768 | CT |
| 508 | 353897.845 | 4605784.845 | 700.242 | POZO |
| GALERIA | | | | |
| 509 | 353898.730 | 4605784.861 | 700.239 | POZO |
| GALERIA | | | | |
| 510 | 353880.103 | 4605779.709 | 699.218 | MURO |
| 511 | 353868.370 | 4605783.638 | 698.933 | PUERTA |
| 512 | 353867.396 | 4605783.964 | 698.930 | PUERTA |
| 513 | 353877.553 | 4605803.350 | 699.281 | CT I |
| 514 | 353883.275 | 4605801.203 | 699.348 | CT |
| 515 | 353889.990 | 4605820.339 | 699.326 | CT |
| 516 | 353885.538 | 4605822.171 | 699.295 | CT |
| 517 | 353878.645 | 4605807.852 | 699.119 | RELL |
| 518 | 353892.868 | 4605802.689 | 699.480 | RELL |
| 519 | 353900.833 | 4605817.023 | 699.415 | RELL |
| 520 | 353885.042 | 4605823.122 | 699.007 | RELL |
| 521 | 353893.880 | 4605844.032 | 699.127 | RELL |
| 522 | 353907.835 | 4605839.332 | 699.401 | RELL |
| 523 | 353916.327 | 4605860.489 | 699.360 | RELL |
| 524 | 353942.183 | 4605858.317 | 699.584 | AGLOM |
| 525 | 353936.515 | 4605840.632 | 699.662 | AGLOM |
| 526 | 353930.065 | 4605821.111 | 699.720 | AGLOM |
| 527 | 353923.933 | 4605803.824 | 699.787 | AGLOM |
| 528 | 353918.561 | 4605788.260 | 699.963 | AGLOM |
| 529 | 353909.252 | 4605781.789 | 700.120 | POZO |
| GALERIA | | | | |
| 530 | 353909.037 | 4605780.949 | 700.118 | POZO |
| GALERIA | | | | |
| 531 | 353915.615 | 4605777.841 | 700.273 | TAPA SAN |
| 532 | 353915.286 | 4605777.298 | 700.271 | TAPA SAN |
| 533 | 353915.073 | 4605773.872 | 700.401 | MURO |
| 534 | 353909.151 | 4605755.362 | 699.723 | MURO |
| 535 | 353904.265 | 4605740.515 | 699.767 | MURO |
| 536 | 353901.479 | 4605735.313 | 699.683 | AGLOM |
| 537 | 353899.556 | 4605728.952 | 699.670 | AGLOM |
| 538 | 353894.319 | 4605713.162 | 699.663 | AGLOM |
| 539 | 353885.850 | 4605671.664 | 699.844 | MURO |
| 540 | 353884.746 | 4605671.767 | 699.762 | AGLOM |
| 541 | 353891.336 | 4605688.315 | 699.808 | PUERTA |
| 542 | 353892.345 | 4605691.404 | 699.800 | PUERTA |
| 543 | 353891.317 | 4605691.806 | 699.746 | AGLOM |
| 544 | 353894.864 | 4605699.049 | 699.774 | PUERTA |
| 545 | 353895.236 | 4605700.205 | 699.770 | PUERTA |
| 546 | 353897.941 | 4605708.556 | 699.753 | MURO |
| 547 | 353896.871 | 4605708.782 | 699.711 | AGLOM |

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|---|---|---|---|---|
| 548 | 353900.035 | 4605715.092 | 699.727 | PUERTA |
| 549 | 353900.359 | 4605716.100 | 699.729 | PUERTA |
| 550 | 353902.364 | 4605722.343 | 699.766 | MURO |
| 551 | 353901.421 | 4605722.656 | 699.724 | AGLOM |
| 552 | 353903.170 | 4605726.576 | 699.792 | FAROLA |
| 553 | 353904.871 | 4605730.369 | 699.829 | PUERTA |
| 554 | 353919.332 | 4605773.295 | 700.282 | MURO |
| 555 | 353915.526 | 4605773.811 | 700.313 | MURO |
| 556 | 353937.133 | 4605773.197 | 700.033 | AGLOM |
| 557 | 353931.619 | 4605773.873 | 700.055 | AGLOM |
| 558 | 353924.262 | 4605774.776 | 700.126 | AGLOM |
| 559 | 353918.927 | 4605775.415 | 700.166 | AGLOM |
| 560 | 353919.679 | 4605777.729 | 700.247 | AGLOM |
| 561 | 353924.609 | 4605777.089 | 700.215 | AGLOM |
| 562 | 353930.268 | 4605776.479 | 700.175 | AGLOM |
| 563 | 353934.679 | 4605775.870 | 700.142 | AGLOM |
| 564 | 353938.033 | 4605775.413 | 700.150 | AGLOM |
| 565 | 353938.092 | 4605777.922 | 700.038 | AGLOM |
| 566 | 353932.884 | 4605778.613 | 700.053 | AGLOM |
| 567 | 353925.530 | 4605779.554 | 700.121 | AGLOM |
| 568 | 353922.768 | 4605779.944 | 700.118 | AGLOM |
| 569 | 353921.894 | 4605780.746 | 700.124 | AGLOM |
| 570 | 353921.552 | 4605781.694 | 700.125 | AGLOM |
| 571 | 353921.525 | 4605782.940 | 700.105 | AGLOM |
| 572 | 353922.985 | 4605780.387 | 700.176 | FAROLA |
| 573 | 353926.390 | 4605782.433 | 700.185 | MURO |
| 574 | 353922.506 | 4605782.837 | 700.175 | MURO |
| 575 | 353925.356 | 4605790.949 | 700.041 | MURO |
| 576 | 353924.245 | 4605791.337 | 699.997 | AGLOM |
| 577 | 353928.455 | 4605800.508 | 699.931 | PUERTA |
| 578 | 353928.769 | 4605801.379 | 699.913 | PUERTA |
| 579 | 353932.112 | 4605811.805 | 699.866 | MURO |
| 580 | 353931.116 | 4605812.163 | 699.802 | AGLOM |
| 581 | 353934.171 | 4605817.842 | 699.868 | PUERTA |
| 582 | 353935.174 | 4605820.925 | 699.872 | PUERTA |
| 583 | 353934.115 | 4605821.349 | 699.768 | AGLOM |
| 584 | 353939.497 | 4605833.861 | 699.847 | MURO |
| 585 | 353938.424 | 4605834.201 | 699.770 | AGLOM |
| 586 | 353943.650 | 4605846.317 | 699.832 | PUERTA |
| 587 | 353943.857 | 4605846.808 | 699.907 | PUERTA |
| 588 | 353944.033 | 4605847.440 | 699.820 | PUERTA |
| 589 | 353942.923 | 4605847.935 | 699.753 | AGLOM |
| 590 | 353948.513 | 4605861.604 | 699.731 | FAROLA |
| 591 | 353940.831 | 4605838.393 | 699.876 | FAROLA |
| 592 | 353935.458 | 4605822.361 | 699.846 | FAROLA |
| 593 | 353928.935 | 4605802.419 | 699.905 | FAROLA |
| 594 | 353867.943 | 4605723.969 | 699.550 | MURO |
| 595 | 353885.557 | 4605772.451 | 699.810 | MURO |
| 596 | 353907.171 | 4605737.772 | 699.940 | MURO |
| 597 | 353905.194 | 4605734.190 | 699.740 | AGLOM |
| 598 | 353905.455 | 4605732.248 | 699.830 | PUERTA |
| 599 | 353903.740 | 4605738.860 | 699.770 | MURO |
| 600 | 353722.065 | 4605292.518 | 699.954 | MURO |
| 601 | 353719.889 | 4605292.634 | 699.945 | PUERTA |
| 602 | 353718.856 | 4605292.689 | 699.946 | PUERTA |
| 603 | 353713.165 | 4605292.993 | 699.865 | MURO |
| 604 | 353712.966 | 4605291.435 | 699.817 | AGLOM |
| 605 | 353712.873 | 4605288.687 | 699.907 | AGLOM |
| 606 | 353712.836 | 4605285.423 | 699.828 | AGLOM |
| 607 | 353718.240 | 4605285.697 | 699.873 | AGLOM |
| 608 | 353719.196 | 4605288.418 | 699.957 | AGLOM |
| 609 | 353719.328 | 4605291.131 | 699.868 | AGLOM |
| 610 | 353710.525 | 4605288.392 | 699.898 | TAPA SAN |
| 611 | 353708.698 | 4605288.592 | 699.863 | TAPA SAN |
| 612 | 353708.092 | 4605283.549 | 699.888 | MURO |
| DEMOLIDO | | | | |
| 613 | 353716.396 | 4605283.185 | 699.919 | MURO |
| DEMOLIDO | | | | |
| 614 | 353708.712 | 4605282.455 | 700.034 | CT I |
| 615 | 353715.342 | 4605281.221 | 700.049 | CT |
| 616 | 353711.582 | 4605263.495 | 700.074 | CT |
| 617 | 353718.834 | 4605282.867 | 699.919 | CT I |
| 618 | 353714.516 | 4605272.023 | 699.854 | CT |
| 619 | 353712.174 | 4605263.347 | 699.852 | CT |
| 620 | 353711.548 | 4605262.558 | 699.617 | CT |
| 621 | 353710.152 | 4605256.789 | 699.789 | CT |
| 622 | 353710.674 | 4605256.302 | 699.463 | PT I |
| 623 | 353712.564 | 4605262.197 | 699.325 | PT |
| 624 | 353714.729 | 4605269.445 | 699.494 | PT |
| 625 | 353720.244 | 4605284.392 | 699.768 | CT |
| 626 | 353704.860 | 4605238.652 | 699.549 | PT I |
| 627 | 353704.352 | 4605238.700 | 699.874 | MURO |
| 628 | 353702.664 | 4605231.711 | 699.432 | PT |
| 629 | 353702.293 | 4605231.757 | 699.842 | MURO |
| 630 | 353697.846 | 4605231.821 | 699.733 | MURO |
| 631 | 353692.129 | 4605232.075 | 699.691 | MURO |
| 632 | 353691.021 | 4605230.617 | 699.588 | AGLOM |
| 633 | 353690.967 | 4605228.189 | 699.689 | AGLOM |
| 634 | 353690.602 | 4605225.734 | 699.590 | AGLOM |
| 635 | 353690.581 | 4605223.387 | 699.762 | MURO |
| 636 | 353694.603 | 4605223.279 | 699.792 | PUERTA |
| 637 | 353698.652 | 4605223.049 | 699.794 | PUERTA |
| 638 | 353698.482 | 4605225.345 | 699.681 | AGLOM |
| 639 | 353698.772 | 4605227.694 | 699.780 | AGLOM |
| 640 | 353699.624 | 4605230.155 | 699.690 | AGLOM |
| 641 | 353695.735 | 4605227.271 | 699.795 | TAPA SAN |
| 642 | 353697.374 | 4605227.193 | 699.795 | TAPA SAN |
| 643 | 353701.443 | 4605230.046 | 699.700 | AGLOM |
| 644 | 353701.165 | 4605227.987 | 699.807 | AGLOM |
| 645 | 353700.109 | 4605225.224 | 699.704 | AGLOM |
| 646 | 353699.150 | 4605223.021 | 699.783 | MURO |
| 647 | 353699.790 | 4605222.556 | 699.324 | PT |
| 648 | 353695.235 | 4605211.387 | 699.697 | MURO |
| 649 | 353695.688 | 4605211.100 | 699.374 | PT |
| 650 | 353692.135 | 4605202.888 | 699.685 | MURO |
| 651 | 353692.501 | 4605202.757 | 699.407 | PT |
| 652 | 353687.383 | 4605188.281 | 699.668 | MURO |
| 653 | 353687.939 | 4605188.028 | 699.402 | PT |
| 654 | 353746.705 | 4605276.363 | 700.261 | MURO |
| 655 | 353743.718 | 4605267.294 | 700.211 | MURO |
| 656 | 353738.276 | 4605253.206 | 699.623 | VIA |
| 657 | 353739.569 | 4605252.672 | 700.102 | MURO |
| 658 | 353740.977 | 4605257.877 | 700.143 | PUERTA |
| 659 | 353740.567 | 4605256.218 | 700.222 | PUERTA |

| | | | | |
|---|---|---|---|---|
| 660 | 353740.060 | 4605254.586 | 700.151 | PUERTA |
| 661 | 353738.417 | 4605248.540 | 700.097 | MURO |
| 662 | 353737.084 | 4605249.173 | 699.552 | VIA |
| 663 | 353735.977 | 4605241.332 | 700.174 | PUERTA |
| 664 | 353735.194 | 4605239.161 | 700.230 | PUERTA |
| 665 | 353732.077 | 4605229.930 | 700.206 | MURO |
| 666 | 353724.873 | 4605212.752 | 699.785 | VIA |
| 667 | 353727.695 | 4605217.556 | 700.222 | PUERTA |
| 668 | 353727.205 | 4605216.249 | 700.186 | PUERTA |
| 669 | 353725.239 | 4605210.153 | 700.137 | MURO |
| 670 | 353719.559 | 4605193.247 | 699.917 | MURO |
| 671 | 353717.998 | 4605194.253 | 699.545 | VIA |
| 672 | 353712.239 | 4605175.117 | 699.773 | VIA |
| 673 | 353713.921 | 4605176.160 | 699.960 | PUERTA |
| 674 | 353712.141 | 4605170.871 | 699.969 | MURO |
| 675 | 353707.634 | 4605157.332 | 700.035 | PUERTA |
| 676 | 353707.329 | 4605156.476 | 700.033 | PUERTA |
| 677 | 353705.127 | 4605149.809 | 700.095 | MURO |
| 678 | 353703.093 | 4605149.940 | 699.686 | VIA |
| 679 | 353697.326 | 4605133.120 | 699.708 | VIA |
| 680 | 353699.477 | 4605132.835 | 700.078 | MURO |
| 681 | 353694.942 | 4605119.451 | 700.005 | MURO |
| 682 | 353693.472 | 4605120.482 | 699.877 | VIA |
| 683 | 353692.643 | 4605117.405 | 700.053 | VIA |
| 684 | 353679.644 | 4605163.645 | 699.513 | PT I |
| 685 | 353678.191 | 4605163.929 | 699.613 | MURO |
| 686 | 353674.409 | 4605163.997 | 699.535 | MURO |
| 687 | 353672.578 | 4605164.166 | 699.549 | MURO |
| 688 | 353672.868 | 4605162.761 | 699.463 | AGLOM |
| 689 | 353673.165 | 4605160.729 | 699.567 | AGLOM |
| 690 | 353675.544 | 4605157.640 | 699.527 | AGLOM |
| 691 | 353676.781 | 4605159.709 | 699.629 | AGLOM |
| 692 | 353677.677 | 4605162.463 | 699.541 | AGLOM |
| 693 | 353673.940 | 4605156.249 | 699.570 | MURO |
| 694 | 353676.327 | 4605156.065 | 699.587 | MURO |
| 695 | 353676.308 | 4605156.013 | 699.678 | MURO |
| 696 | 353677.280 | 4605156.100 | 699.490 | PT |
| 697 | 353673.397 | 4605148.206 | 699.550 | MURO |
| 698 | 353673.945 | 4605147.657 | 699.464 | PT |
| 699 | 353671.183 | 4605138.738 | 699.465 | PT |
| 700 | 353670.758 | 4605138.920 | 699.561 | MURO |
| 701 | 353670.682 | 4605138.398 | 699.466 | PT |
| 702 | 353669.095 | 4605139.005 | 699.602 | MURO |
| 703 | 353669.542 | 4605138.742 | 699.450 | PT |
| 704 | 353669.466 | 4605138.601 | 699.453 | PT |
| 705 | 353669.022 | 4605136.660 | 699.601 | MURO |
| 706 | 353669.756 | 4605136.577 | 699.490 | PT |
| 707 | 353665.892 | 4605130.411 | 699.590 | MURO |
| 708 | 353666.562 | 4605130.127 | 699.539 | PT |
| 709 | 353662.432 | 4605123.585 | 699.529 | MURO |
| 710 | 353663.289 | 4605123.156 | 699.547 | PT |
| 711 | 353658.357 | 4605118.899 | 699.577 | MURO |
| 712 | 353659.539 | 4605119.073 | 699.570 | PT |
| 713 | 353660.250 | 4605117.060 | 699.580 | AGLOM |
| 714 | 353660.437 | 4605114.170 | 699.717 | AGLOM |
| 715 | 353659.488 | 4605110.744 | 699.681 | AGLOM |
| 716 | 353652.950 | 4605107.554 | 699.553 | AGLOM |
| 717 | 353653.777 | 4605112.861 | 699.570 | AGLOM |
| 718 | 353654.222 | 4605117.092 | 699.369 | AGLOM |
| 719 | 353644.897 | 4605117.571 | 699.333 | AGLOM |
| 720 | 353644.101 | 4605113.258 | 699.462 | AGLOM |
| 721 | 353643.064 | 4605108.777 | 699.338 | AGLOM |
| 722 | 353637.807 | 4605112.568 | 699.392 | AGLOM |
| 723 | 353638.108 | 4605115.083 | 699.445 | AGLOM |
| 724 | 353638.244 | 4605117.907 | 699.330 | AGLOM |
| 725 | 353641.284 | 4605119.426 | 699.441 | PUERTA |
| 726 | 353643.878 | 4605119.322 | 699.438 | PUERTA |
| 727 | 353646.731 | 4605119.258 | 699.431 | PUERTA |
| 728 | 353648.960 | 4605119.138 | 699.392 | PUERTA |
| 729 | 353655.737 | 4605118.829 | 699.485 | PUERTA |
| 730 | 353656.856 | 4605118.859 | 699.538 | PUERTA |
| 731 | 353666.555 | 4605112.690 | 699.816 | RELL |
| 732 | 353661.031 | 4605107.706 | 699.754 | MURO |
| 733 | 353663.038 | 4605108.370 | 699.686 | MURO |
| 734 | 353694.180 | 4605116.929 | 700.150 | MURO |
| 735 | 353704.906 | 4605116.346 | 700.380 | PUERTA |
| 736 | 353708.916 | 4605116.067 | 700.442 | PUERTA |
| 737 | 353718.852 | 4605115.395 | 700.274 | MURO |
| 738 | 353719.826 | 4605115.084 | 700.225 | AGLOM |
| 739 | 353721.688 | 4605114.900 | 700.300 | AGLOM |
| 740 | 353723.650 | 4605115.598 | 700.223 | AGLOM |
| 741 | 353724.883 | 4605115.165 | 700.244 | MURO |
| 742 | 353731.982 | 4605114.818 | 700.247 | MURO |
| 743 | 353739.479 | 4605114.468 | 700.215 | MURO |
| 744 | 353732.805 | 4605110.171 | 700.230 | RELL |
| 745 | 353720.036 | 4605108.391 | 700.216 | RELL |
| 746 | 353713.076 | 4605103.175 | 699.995 | RELL |
| 747 | 353707.577 | 4605100.924 | 699.990 | RELL |
| 748 | 353707.080 | 4605108.222 | 700.059 | RELL |
| 749 | 353699.803 | 4605106.478 | 699.938 | RELL |
| 750 | 353698.585 | 4605101.666 | 700.024 | RELL |
| 751 | 353694.318 | 4605113.363 | 700.220 | RELL |
| 752 | 353693.358 | 4605108.598 | 699.991 | RELL |
| 753 | 353691.976 | 4605102.535 | 700.114 | RELL |
| 754 | 353673.162 | 4605157.824 | 699.485 | AGLOM |
| 755 | 353714.144 | 4605176.824 | 699.960 | PUERTA |
| 756 | 353763.749 | 4605329.558 | 700.277 | ptos |
| 757 | 353758.583 | 4605313.868 | 700.201 | ptos |
| 758 | 353752.368 | 4605295.103 | 700.208 | ptos |
| 759 | 353746.230 | 4605276.520 | 700.261 | ptos |
| 760 | 353743.240 | 4605267.442 | 700.211 | ptos |
| 761 | 353740.496 | 4605258.012 | 700.143 | ptos |
| 762 | 353739.086 | 4605252.805 | 700.102 | ptos |
| 763 | 353737.939 | 4605248.687 | 700.097 | ptos |
| 764 | 353731.604 | 4605230.094 | 700.206 | ptos |
| 765 | 353727.222 | 4605217.718 | 700.222 | ptos |
| 766 | 353724.765 | 4605210.311 | 700.137 | ptos |
| 767 | 353719.084 | 4605193.405 | 699.917 | ptos |
| 768 | 353713.670 | 4605176.982 | 699.960 | ptos |
| 769 | 353711.667 | 4605171.030 | 699.969 | ptos |
| 770 | 353707.159 | 4605157.490 | 700.035 | ptos |
| 771 | 353704.653 | 4605149.967 | 700.095 | ptos |
| 772 | 353699.003 | 4605132.994 | 700.078 | ptos |
| 773 | 353694.466 | 4605119.604 | 700.005 | ptos |

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|---|---|---|---|---|---|---|---|---|---|
| 774 | 353693.702 | 4605117.074 | 700.150 | ptos | 832 | 353684.620 | 4605177.267 | 699.388 | RELL |
| 775 | 353920.334 | 4605934.265 | 698.890 | POZO | 833 | 353690.934 | 4605192.885 | 699.367 | RELL |
| 776 | 353899.949 | 4605888.215 | 699.150 | POZO | 834 | 353697.318 | 4605190.819 | 699.551 | RELL |
| 777 | 353879.534 | 4605842.473 | 699.170 | POZO | 835 | 353703.571 | 4605188.651 | 699.654 | RELL |
| 778 | 353859.461 | 4605797.115 | 699.170 | POZO | 836 | 353709.233 | 4605186.585 | 699.739 | RELL |
| 779 | 353811.005 | 4605701.106 | 699.020 | POZO | 837 | 353714.585 | 4605184.727 | 699.692 | RELL |
| 780 | 353861.876 | 4605797.598 | 699.129 | ABAST | 838 | 353719.775 | 4605200.749 | 699.809 | RELL |
| 781 | 353859.287 | 4605797.242 | 699.138 | SANEAM | 839 | 353713.823 | 4605203.153 | 699.761 | RELL |
| 782 | 353852.441 | 4605800.171 | 699.075 | AGL I | 840 | 353707.772 | 4605205.217 | 699.663 | RELL |
| 783 | 353844.576 | 4605782.170 | 699.005 | AGL | 841 | 353701.673 | 4605207.058 | 699.533 | RELL |
| 784 | 353838.007 | 4605767.487 | 698.998 | AGL | 842 | 353696.532 | 4605208.931 | 699.418 | RELL |
| 785 | 353832.652 | 4605755.695 | 698.970 | AGL | 843 | 353701.632 | 4605223.888 | 699.513 | RELL |
| 786 | 353826.580 | 4605742.024 | 698.978 | AGL | 844 | 353708.028 | 4605222.023 | 699.631 | RELL |
| 787 | 353816.545 | 4605720.586 | 698.945 | AGL | 845 | 353713.946 | 4605220.059 | 699.720 | RELL |
| 788 | 353807.747 | 4605702.298 | 698.882 | AGL | 846 | 353720.204 | 4605217.716 | 699.822 | RELL |
| 789 | 353801.797 | 4605691.910 | 698.957 | AGL F | 847 | 353725.206 | 4605216.051 | 699.808 | RELL |
| 790 | 353810.763 | 4605701.257 | 698.948 | SANEAM | 848 | 353730.616 | 4605232.526 | 699.888 | RELL |
| 791 | 353820.359 | 4605717.126 | 698.966 | ABAST | 849 | 353723.976 | 4605234.718 | 699.840 | RELL |
| 792 | 353840.806 | 4605765.247 | 699.098 | ABAST | 850 | 353717.565 | 4605236.859 | 699.736 | RELL |
| TUBPEQ | | | | | 851 | 353711.098 | 4605239.230 | 699.614 | RELL |
| 793 | 353843.728 | 4605728.746 | 699.050 | MURO | 852 | 353707.068 | 4605240.769 | 699.547 | RELL |
| 794 | 353837.159 | 4605731.944 | 699.020 | MURO | 853 | 353712.979 | 4605256.415 | 699.691 | RELL |
| 795 | 353845.296 | 4605757.164 | 699.050 | MURO | 854 | 353719.114 | 4605254.284 | 699.705 | RELL |
| 796 | 353855.312 | 4605802.259 | 698.950 | PT | 855 | 353725.221 | 4605252.007 | 699.813 | RELL |
| 797 | 353857.159 | 4605801.820 | 699.700 | CT | 856 | 353731.277 | 4605249.956 | 699.924 | RELL |
| 798 | 353859.168 | 4605800.830 | 698.960 | PT | 857 | 353736.215 | 4605248.564 | 699.896 | RELL |
| 799 | 353856.869 | 4605800.990 | 698.960 | PT | 858 | 353741.284 | 4605263.774 | 699.919 | RELL |
| 800 | 353943.200 | 4605862.632 | 698.947 | RELL | 859 | 353734.927 | 4605265.657 | 699.906 | RELL |
| 803 | 353666.262 | 4605107.362 | 699.797 | RELL | 860 | 353728.645 | 4605267.810 | 699.788 | RELL |
| 804 | 353670.441 | 4605105.982 | 699.788 | RELL | 861 | 353723.059 | 4605269.525 | 699.631 | RELL |
| 805 | 353675.153 | 4605104.474 | 699.825 | RELL | 862 | 353717.760 | 4605270.971 | 699.779 | RELL |
| 806 | 353679.894 | 4605102.987 | 699.778 | RELL | 863 | 353723.653 | 4605285.217 | 699.789 | RELL |
| 807 | 353686.145 | 4605101.415 | 699.810 | RELL | 864 | 353730.012 | 4605283.495 | 699.739 | RELL |
| 808 | 353688.107 | 4605107.500 | 699.858 | RELL | 865 | 353736.425 | 4605281.859 | 699.847 | RELL |
| 809 | 353683.651 | 4605108.605 | 699.897 | RELL | 866 | 353742.468 | 4605280.076 | 699.985 | RELL |
| 810 | 353679.200 | 4605109.799 | 699.878 | RELL | 867 | 353746.075 | 4605279.104 | 699.984 | RELL |
| 811 | 353674.363 | 4605111.350 | 699.922 | RELL | 868 | 353751.654 | 4605294.854 | 699.974 | RELL |
| 812 | 353669.114 | 4605112.865 | 699.829 | RELL | 869 | 353744.891 | 4605297.108 | 699.930 | RELL |
| 813 | 353674.016 | 4605128.807 | 699.585 | RELL | 870 | 353738.505 | 4605299.050 | 699.803 | RELL |
| 814 | 353678.865 | 4605127.192 | 699.753 | RELL | 871 | 353730.474 | 4605301.651 | 699.540 | RELL |
| 815 | 353683.668 | 4605125.559 | 699.797 | RELL | 872 | 353734.555 | 4605318.056 | 699.623 | RELL |
| 816 | 353688.742 | 4605124.023 | 699.856 | RELL | 873 | 353742.009 | 4605316.088 | 699.836 | RELL |
| 817 | 353692.495 | 4605122.720 | 699.795 | RELL | 874 | 353748.024 | 4605314.224 | 699.922 | RELL |
| 818 | 353698.630 | 4605137.932 | 699.817 | RELL | 875 | 353753.560 | 4605312.380 | 699.982 | RELL |
| 819 | 353694.166 | 4605139.555 | 699.826 | RELL | 876 | 353757.049 | 4605311.237 | 699.950 | RELL |
| 820 | 353689.410 | 4605140.899 | 699.736 | RELL | 877 | 353762.189 | 4605326.708 | 700.000 | RELL |
| 821 | 353684.733 | 4605142.372 | 699.634 | RELL | 878 | 353755.984 | 4605328.886 | 699.996 | RELL |
| 822 | 353680.085 | 4605143.459 | 699.606 | RELL | 879 | 353749.781 | 4605330.985 | 699.924 | RELL |
| 823 | 353676.835 | 4605143.856 | 699.480 | RELL | 880 | 353743.576 | 4605332.953 | 699.787 | RELL |
| 824 | 353679.099 | 4605160.170 | 699.490 | RELL | 881 | 353740.132 | 4605334.200 | 699.636 | RELL |
| 825 | 353687.272 | 4605157.996 | 699.609 | RELL | 882 | 353743.527 | 4605349.638 | 699.568 | RELL |
| 826 | 353694.763 | 4605155.808 | 699.721 | RELL | 883 | 353748.695 | 4605348.184 | 699.821 | RELL |
| 827 | 353703.512 | 4605153.277 | 699.810 | RELL | 884 | 353755.180 | 4605346.425 | 699.963 | RELL |
| 828 | 353708.864 | 4605168.863 | 699.713 | RELL | 885 | 353761.087 | 4605344.636 | 700.058 | RELL |
| 829 | 353702.739 | 4605171.152 | 699.674 | RELL | 886 | 353767.259 | 4605342.541 | 700.022 | RELL |
| 830 | 353696.573 | 4605173.048 | 699.643 | RELL | 887 | 353771.911 | 4605358.435 | 700.105 | RELL |
| 831 | 353690.512 | 4605175.224 | 699.541 | RELL | 888 | 353765.601 | 4605360.745 | 700.065 | RELL |

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|---|---|---|---|---|
| 889 | 353759.487 | 4605363.044 | 699.897 | RELL |
| 890 | 353748.783 | 4605366.483 | 699.712 | RELL |
| 891 | 353753.641 | 4605381.834 | 699.646 | RELL |
| 892 | 353760.129 | 4605380.474 | 699.731 | RELL |
| 893 | 353766.186 | 4605378.564 | 699.929 | RELL |
| 894 | 353772.299 | 4605376.515 | 700.048 | RELL |
| 895 | 353778.376 | 4605374.355 | 700.187 | RELL |
| 896 | 353784.041 | 4605391.090 | 700.064 | RELL |
| 897 | 353778.360 | 4605393.147 | 700.004 | RELL |
| 898 | 353772.266 | 4605395.502 | 699.835 | RELL |
| 899 | 353766.211 | 4605397.643 | 699.759 | RELL |
| 900 | 353760.200 | 4605400.139 | 699.559 | RELL |
| 901 | 353766.232 | 4605415.236 | 699.701 | RELL |
| 902 | 353772.406 | 4605412.901 | 699.729 | RELL |
| 903 | 353778.514 | 4605410.826 | 699.813 | RELL |
| 904 | 353784.448 | 4605408.850 | 699.904 | RELL |
| 905 | 353789.390 | 4605406.913 | 699.907 | RELL |
| 906 | 353795.602 | 4605424.865 | 699.827 | RELL |
| 907 | 353789.785 | 4605426.984 | 699.827 | RELL |
| 908 | 353783.738 | 4605429.049 | 699.741 | RELL |
| 909 | 353777.759 | 4605430.856 | 699.722 | RELL |
| 910 | 353771.376 | 4605432.896 | 699.721 | RELL |
| 911 | 353776.759 | 4605450.016 | 699.727 | RELL |
| 912 | 353783.497 | 4605447.946 | 699.631 | RELL |
| 913 | 353790.119 | 4605446.003 | 699.596 | RELL |
| 914 | 353796.112 | 4605443.821 | 699.706 | RELL |
| 915 | 353801.228 | 4605442.018 | 699.716 | RELL |
| 916 | 353806.974 | 4605457.940 | 699.611 | RELL |
| 917 | 353800.921 | 4605460.149 | 699.634 | RELL |
| 918 | 353794.955 | 4605462.327 | 699.560 | RELL |
| 919 | 353788.855 | 4605464.408 | 699.603 | RELL |
| 920 | 353782.590 | 4605466.607 | 699.546 | RELL |
| 921 | 353788.148 | 4605482.763 | 699.378 | RELL |
| 922 | 353794.187 | 4605480.844 | 699.563 | RELL |
| 923 | 353800.065 | 4605478.784 | 699.570 | RELL |
| 924 | 353806.206 | 4605476.723 | 699.571 | RELL |
| 925 | 353812.741 | 4605474.611 | 699.466 | RELL |
| 926 | 353818.211 | 4605490.109 | 699.363 | RELL |
| 927 | 353812.208 | 4605492.263 | 699.505 | RELL |
| 928 | 353806.212 | 4605494.320 | 699.563 | RELL |
| 929 | 353799.974 | 4605496.235 | 699.564 | RELL |
| 930 | 353793.895 | 4605498.474 | 699.416 | RELL |
| 931 | 353799.041 | 4605514.822 | 699.395 | RELL |
| 932 | 353805.315 | 4605512.676 | 699.528 | RELL |
| 933 | 353811.606 | 4605510.702 | 699.550 | RELL |
| 934 | 353818.094 | 4605508.542 | 699.515 | RELL |
| 935 | 353823.581 | 4605506.738 | 699.307 | RELL |
| 936 | 353828.579 | 4605522.529 | 699.450 | RELL |
| 937 | 353822.189 | 4605524.827 | 699.530 | RELL |
| 938 | 353815.921 | 4605526.785 | 699.517 | RELL |
| 939 | 353810.581 | 4605528.539 | 699.551 | RELL |
| 940 | 353805.237 | 4605530.377 | 699.505 | RELL |
| 941 | 353808.693 | 4605547.228 | 699.550 | RELL |
| 942 | 353815.332 | 4605545.358 | 699.549 | RELL |
| 943 | 353821.225 | 4605543.158 | 699.514 | RELL |
| 944 | 353827.861 | 4605540.799 | 699.529 | RELL |
| 945 | 353834.155 | 4605538.445 | 699.464 | RELL |
| 946 | 353839.614 | 4605554.549 | 699.444 | RELL |
| 947 | 353833.257 | 4605557.127 | 699.463 | RELL |
| 948 | 353827.076 | 4605559.440 | 699.470 | RELL |
| 949 | 353821.079 | 4605561.884 | 699.500 | RELL |
| 950 | 353815.316 | 4605563.684 | 699.505 | RELL |
| 951 | 353820.193 | 4605579.922 | 699.513 | RELL |
| 952 | 353826.378 | 4605577.655 | 699.558 | RELL |
| 953 | 353832.639 | 4605575.080 | 699.472 | RELL |
| 954 | 353839.129 | 4605573.018 | 699.433 | RELL |
| 955 | 353845.739 | 4605570.578 | 699.374 | RELL |
| 956 | 353850.910 | 4605586.746 | 699.350 | RELL |
| 957 | 353844.386 | 4605588.957 | 699.477 | RELL |
| 958 | 353838.048 | 4605591.193 | 699.499 | RELL |
| 959 | 353831.674 | 4605593.621 | 699.545 | RELL |
| 960 | 353825.459 | 4605596.044 | 699.568 | RELL |
| 961 | 353832.562 | 4605611.443 | 699.456 | RELL |
| 962 | 353838.953 | 4605609.374 | 699.597 | RELL |
| 963 | 353845.366 | 4605607.302 | 699.496 | RELL |
| 964 | 353851.771 | 4605605.427 | 699.461 | RELL |
| 965 | 353856.730 | 4605603.599 | 699.370 | RELL |
| 966 | 353862.140 | 4605619.614 | 699.410 | RELL |
| 967 | 353855.686 | 4605622.103 | 699.477 | RELL |
| 968 | 353849.451 | 4605624.171 | 699.491 | RELL |
| 969 | 353843.217 | 4605626.639 | 699.504 | RELL |
| 970 | 353837.417 | 4605628.640 | 699.460 | RELL |
| 971 | 353847.536 | 4605654.315 | 699.640 | RELL |
| 972 | 353854.134 | 4605652.369 | 699.610 | RELL |
| 973 | 353860.782 | 4605650.656 | 699.498 | RELL |
| 974 | 353867.271 | 4605648.601 | 699.534 | RELL |
| 975 | 353871.942 | 4605647.041 | 699.532 | RELL |
| 976 | 353853.524 | 4605675.152 | 699.522 | RELL |
| 977 | 353859.760 | 4605673.452 | 699.523 | RELL |
| 978 | 353866.223 | 4605671.608 | 699.586 | RELL |
| 979 | 353872.646 | 4605669.366 | 699.553 | RELL |
| 980 | 353878.314 | 4605667.019 | 699.467 | RELL |
| 981 | 353884.187 | 4605683.090 | 699.471 | RELL |
| 982 | 353877.698 | 4605684.915 | 699.645 | RELL |
| 983 | 353871.297 | 4605686.890 | 699.567 | RELL |
| 984 | 353865.557 | 4605688.642 | 699.562 | RELL |
| 985 | 353859.451 | 4605690.604 | 699.793 | RELL |
| 986 | 353864.657 | 4605705.953 | 699.796 | RELL |
| 987 | 353871.000 | 4605703.827 | 699.569 | RELL |
| 988 | 353877.386 | 4605702.124 | 699.617 | RELL |
| 989 | 353883.698 | 4605700.155 | 699.608 | RELL |
| 990 | 353889.095 | 4605698.211 | 699.434 | RELL |
| 991 | 353894.457 | 4605714.643 | 699.403 | RELL |
| 992 | 353888.037 | 4605716.990 | 699.604 | RELL |
| 993 | 353881.616 | 4605719.275 | 699.635 | RELL |
| 994 | 353875.175 | 4605721.354 | 699.612 | RELL |
| 995 | 353871.217 | 4605722.739 | 699.547 | RELL |
| 996 | 353876.474 | 4605739.384 | 699.531 | RELL |
| 997 | 353882.533 | 4605737.070 | 699.712 | RELL |
| 998 | 353888.878 | 4605735.171 | 699.700 | RELL |
| 999 | 353895.173 | 4605733.261 | 699.600 | RELL |
| 1000 | 353899.998 | 4605731.655 | 699.422 | RELL |
| 1001 | 353904.942 | 4605747.563 | 699.529 | RELL |
| 1002 | 353898.517 | 4605749.776 | 699.740 | RELL |

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|---|---|---|---|---|
| 1003 | 353892.222 | 4605751.978 | 699.716 | RELL |
| 1004 | 353885.923 | 4605753.884 | 699.723 | RELL |
| 1005 | 353881.793 | 4605755.558 | 699.513 | RELL |
| 1006 | 353887.360 | 4605771.237 | 699.517 | RELL |
| 1007 | 353893.310 | 4605769.247 | 699.721 | RELL |
| 1008 | 353899.395 | 4605767.273 | 699.700 | RELL |
| 1009 | 353905.560 | 4605765.675 | 699.673 | RELL |
| 1010 | 353910.103 | 4605764.230 | 699.549 | RELL |
| 1011 | 353915.096 | 4605779.391 | 699.662 | RELL |
| 1012 | 353908.299 | 4605780.340 | 699.687 | RELL |
| 1013 | 353901.447 | 4605782.179 | 699.762 | RELL |
| 1014 | 353892.202 | 4605784.824 | 699.689 | RELL |
| 1015 | 353907.568 | 4605795.027 | 699.692 | RELL |
| 1016 | 353913.147 | 4605793.370 | 699.767 | RELL |
| 1017 | 353918.929 | 4605791.445 | 699.717 | RELL |
| 1018 | 353924.202 | 4605805.421 | 699.517 | RELL |
| 1019 | 353918.400 | 4605807.649 | 699.569 | RELL |
| 1020 | 353912.886 | 4605809.665 | 699.519 | RELL |
| 1021 | 353909.151 | 4605811.021 | 699.735 | RELL |
| 1022 | 353913.181 | 4605827.126 | 699.629 | RELL |
| 1023 | 353917.493 | 4605825.822 | 699.363 | RELL |
| 1024 | 353922.791 | 4605824.153 | 699.457 | RELL |
| 1025 | 353930.006 | 4605821.903 | 699.454 | RELL |
| 1026 | 353935.426 | 4605838.537 | 699.347 | RELL |
| 1027 | 353930.450 | 4605840.219 | 699.344 | RELL |
| 1028 | 353923.565 | 4605842.561 | 699.311 | RELL |
| 1029 | 353919.915 | 4605843.879 | 699.470 | RELL |
| 1030 | 353924.952 | 4605860.012 | 699.408 | RELL |
| 1031 | 353928.862 | 4605858.978 | 699.197 | RELL |
| 1032 | 353934.291 | 4605857.582 | 699.304 | RELL |
| 1033 | 353940.892 | 4605855.438 | 699.290 | RELL |
| 1034 | 353946.149 | 4605871.544 | 699.204 | RELL |
| 1035 | 353940.745 | 4605873.619 | 699.158 | RELL |
| 1036 | 353934.456 | 4605875.773 | 699.115 | RELL |
| 1037 | 353929.268 | 4605877.679 | 699.392 | RELL |
| 1038 | 353934.248 | 4605893.929 | 699.320 | RELL |
| 1039 | 353939.965 | 4605892.284 | 699.046 | RELL |
| 1040 | 353945.104 | 4605890.596 | 699.086 | RELL |
| 1041 | 353951.823 | 4605888.499 | 699.068 | RELL |
| 1042 | 353957.191 | 4605905.061 | 698.954 | RELL |
| 1043 | 353951.592 | 4605906.859 | 699.002 | RELL |
| 1044 | 353945.539 | 4605909.211 | 699.031 | RELL |
| 1045 | 353940.346 | 4605910.326 | 699.362 | RELL |
| 1046 | 353946.051 | 4605928.633 | 699.428 | RELL |
| 1047 | 353951.386 | 4605926.619 | 698.986 | RELL |
| 1048 | 353956.854 | 4605924.813 | 698.937 | RELL |
| 1049 | 353963.000 | 4605922.992 | 698.852 | RELL |
| 1050 | 353964.445 | 4605931.721 | 699.142 | RELL |
| 1051 | 353958.661 | 4605933.813 | 699.304 | RELL |
| 1052 | 353953.734 | 4605934.915 | 699.341 | RELL |
| 1053 | 353856.368 | 4605696.444 | 699.808 | MURO |

## *Puntos trasladados a ETRS89*

| | | | | |
|---|---|---|---|---|
| 1 | 353747.675 | 4605489.753 | 699.608 | MURO |
| 2 | 353845.042 | 4605728.224 | 699.140 | RELL |
| 3 | 353849.969 | 4605727.122 | 699.103 | RELL |
| 4 | 353855.753 | 4605725.030 | 698.942 | RELL |
| 5 | 353854.308 | 4605716.301 | 698.651 | RELL |
| 6 | 353848.162 | 4605718.122 | 698.736 | RELL |
| 7 | 353842.694 | 4605719.928 | 698.785 | RELL |
| 8 | 353837.359 | 4605721.942 | 699.227 | RELL |
| 9 | 353831.654 | 4605703.635 | 699.161 | RELL |
| 10 | 353836.847 | 4605702.520 | 698.830 | RELL |
| 11 | 353842.900 | 4605700.168 | 698.801 | RELL |
| 12 | 353848.499 | 4605698.370 | 698.753 | RELL |
| 13 | 353843.131 | 4605681.808 | 698.867 | RELL |
| 14 | 353836.412 | 4605683.905 | 698.885 | RELL |
| 15 | 353831.273 | 4605685.593 | 698.846 | RELL |
| 16 | 353825.556 | 4605687.238 | 699.120 | RELL |
| 17 | 353820.576 | 4605670.988 | 699.192 | RELL |
| 18 | 353825.764 | 4605669.082 | 698.914 | RELL |
| 19 | 353832.053 | 4605666.928 | 698.957 | RELL |
| 20 | 353837.457 | 4605664.853 | 699.003 | RELL |
| 21 | 353832.200 | 4605648.747 | 699.089 | RELL |
| 22 | 353825.599 | 4605650.891 | 699.103 | RELL |
| 23 | 353820.170 | 4605652.287 | 698.996 | RELL |
| 24 | 353816.260 | 4605653.321 | 699.207 | RELL |
| 25 | 353811.223 | 4605637.188 | 699.269 | RELL |
| 26 | 353814.873 | 4605635.870 | 699.111 | RELL |
| 27 | 353821.758 | 4605633.528 | 699.144 | RELL |
| 28 | 353826.734 | 4605631.846 | 699.146 | RELL |
| 29 | 353821.314 | 4605615.212 | 699.253 | RELL |
| 30 | 353814.099 | 4605617.462 | 699.256 | RELL |
| 31 | 353808.801 | 4605619.131 | 699.163 | RELL |
| 32 | 353804.489 | 4605620.435 | 699.428 | RELL |
| 33 | 353800.459 | 4605604.330 | 699.534 | RELL |
| 34 | 353804.194 | 4605602.974 | 699.318 | RELL |
| 35 | 353809.708 | 4605600.958 | 699.368 | RELL |
| 36 | 353815.510 | 4605598.730 | 699.317 | RELL |
| 37 | 353810.237 | 4605584.754 | 699.516 | RELL |
| 38 | 353804.455 | 4605586.679 | 699.567 | RELL |
| 39 | 353798.876 | 4605588.336 | 699.491 | RELL |
| 40 | 353783.510 | 4605578.133 | 699.488 | RELL |
| 41 | 353792.755 | 4605575.488 | 699.561 | RELL |
| 42 | 353799.607 | 4605573.649 | 699.486 | RELL |
| 43 | 353806.404 | 4605572.700 | 699.462 | RELL |
| 44 | 353801.411 | 4605557.539 | 699.348 | RELL |
| 45 | 353796.868 | 4605558.984 | 699.472 | RELL |
| 46 | 353790.703 | 4605560.582 | 699.500 | RELL |
| 47 | 353784.618 | 4605562.556 | 699.520 | RELL |
| 48 | 353778.668 | 4605564.546 | 699.317 | RELL |
| 49 | 353773.101 | 4605548.867 | 699.313 | RELL |
| 50 | 353777.231 | 4605547.193 | 699.522 | RELL |
| 51 | 353783.530 | 4605545.287 | 699.515 | RELL |
| 52 | 353789.825 | 4605543.085 | 699.539 | RELL |
| 53 | 353796.250 | 4605540.872 | 699.328 | RELL |
| 54 | 353791.306 | 4605524.964 | 699.221 | RELL |
| 55 | 353786.481 | 4605526.570 | 699.399 | RELL |
| 56 | 353780.186 | 4605528.480 | 699.500 | RELL |
| 57 | 353773.841 | 4605530.379 | 699.511 | RELL |
| 58 | 353767.782 | 4605532.693 | 699.330 | RELL |
| 59 | 353762.525 | 4605516.048 | 699.346 | RELL |
| 60 | 353766.483 | 4605514.663 | 699.411 | RELL |
| 61 | 353772.924 | 4605512.584 | 699.434 | RELL |
| 62 | 353779.345 | 4605510.299 | 699.404 | RELL |
| 63 | 353785.765 | 4605507.952 | 699.202 | RELL |
| 64 | 353780.403 | 4605491.520 | 699.233 | RELL |
| 65 | 353775.006 | 4605493.464 | 699.407 | RELL |
| 66 | 353768.694 | 4605495.433 | 699.416 | RELL |
| 67 | 353762.308 | 4605497.136 | 699.368 | RELL |
| 68 | 353755.965 | 4605499.262 | 699.596 | RELL |
| 69 | 353750.759 | 4605483.913 | 699.592 | RELL |
| 70 | 353756.865 | 4605481.951 | 699.361 | RELL |
| 71 | 353762.605 | 4605480.199 | 699.366 | RELL |
| 72 | 353769.006 | 4605478.224 | 699.444 | RELL |
| 73 | 353775.495 | 4605476.399 | 699.270 | RELL |
| 74 | 353769.622 | 4605460.328 | 699.266 | RELL |
| 75 | 353763.954 | 4605462.675 | 699.352 | RELL |
| 76 | 353757.531 | 4605464.917 | 699.385 | RELL |
| 77 | 353751.068 | 4605466.761 | 699.322 | RELL |
| 78 | 353744.832 | 4605468.461 | 699.322 | RELL |
| 79 | 353763.250 | 4605440.350 | 699.332 | RELL |
| 80 | 353758.579 | 4605441.910 | 699.333 | RELL |
| 81 | 353752.090 | 4605443.965 | 699.298 | RELL |
| 82 | 353745.442 | 4605445.678 | 699.409 | RELL |
| 83 | 353738.844 | 4605447.624 | 699.439 | PT |
| 84 | 353728.725 | 4605421.949 | 699.260 | RELL |
| 85 | 353734.525 | 4605419.948 | 699.303 | RELL |
| 86 | 353740.759 | 4605417.480 | 699.290 | RELL |
| 87 | 353746.994 | 4605415.412 | 699.276 | RELL |
| 88 | 353753.448 | 4605412.923 | 699.209 | RELL |
| 89 | 353748.038 | 4605396.908 | 699.169 | RELL |
| 90 | 353743.079 | 4605398.736 | 699.260 | RELL |
| 91 | 353736.674 | 4605400.611 | 699.295 | RELL |
| 92 | 353730.261 | 4605402.683 | 699.396 | RELL |
| 93 | 353723.870 | 4605404.752 | 699.255 | RELL |
| 94 | 353716.767 | 4605389.353 | 699.367 | RELL |
| 95 | 353722.982 | 4605386.930 | 699.344 | RELL |
| 96 | 353729.356 | 4605384.502 | 699.298 | RELL |
| 97 | 353735.694 | 4605382.266 | 699.276 | RELL |
| 98 | 353742.218 | 4605380.055 | 699.149 | RELL |
| 99 | 353737.047 | 4605363.887 | 699.173 | RELL |
| 100 | 353730.437 | 4605366.327 | 699.232 | RELL |
| 101 | 353723.947 | 4605368.389 | 699.271 | RELL |
| 102 | 353717.686 | 4605370.964 | 699.357 | RELL |
| 103 | 353711.501 | 4605373.231 | 699.313 | RELL |
| 104 | 353706.624 | 4605356.993 | 699.304 | RELL |
| 105 | 353712.387 | 4605355.193 | 699.299 | RELL |
| 106 | 353718.384 | 4605352.749 | 699.269 | RELL |
| 107 | 353724.565 | 4605350.436 | 699.262 | RELL |
| 108 | 353730.922 | 4605347.858 | 699.243 | RELL |
| 109 | 353725.463 | 4605331.754 | 699.264 | RELL |
| 110 | 353719.169 | 4605334.108 | 699.328 | RELL |

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|---|---|---|---|---|
| 111 | 353712.533 | 4605336.467 | 699.313 | RELL |
| 112 | 353706.640 | 4605338.667 | 699.348 | RELL |
| 113 | 353700.001 | 4605340.537 | 699.349 | RELL |
| 114 | 353696.545 | 4605323.686 | 699.304 | RELL |
| 115 | 353701.889 | 4605321.848 | 699.351 | RELL |
| 116 | 353707.229 | 4605320.094 | 699.317 | RELL |
| 117 | 353713.497 | 4605318.136 | 699.329 | RELL |
| 118 | 353719.887 | 4605315.838 | 699.250 | RELL |
| 119 | 353714.889 | 4605300.047 | 699.106 | RELL |
| 120 | 353709.402 | 4605301.851 | 699.314 | RELL |
| 121 | 353702.914 | 4605304.011 | 699.349 | RELL |
| 122 | 353696.623 | 4605305.985 | 699.327 | RELL |
| 123 | 353690.349 | 4605308.131 | 699.194 | RELL |
| 124 | 353685.203 | 4605291.783 | 699.216 | RELL |
| 125 | 353691.282 | 4605289.544 | 699.363 | RELL |
| 126 | 353697.520 | 4605287.629 | 699.362 | RELL |
| 127 | 353703.516 | 4605285.572 | 699.304 | RELL |
| 128 | 353709.519 | 4605283.418 | 699.163 | RELL |
| 129 | 353704.049 | 4605267.920 | 699.265 | RELL |
| 130 | 353697.514 | 4605270.032 | 699.370 | RELL |
| 131 | 353691.373 | 4605272.093 | 699.370 | RELL |
| 132 | 353685.495 | 4605274.153 | 699.362 | RELL |
| 133 | 353679.456 | 4605276.072 | 699.178 | RELL |
| 134 | 353673.898 | 4605259.916 | 699.346 | RELL |
| 135 | 353680.163 | 4605257.717 | 699.402 | RELL |
| 136 | 353686.263 | 4605255.636 | 699.359 | RELL |
| 137 | 353692.229 | 4605253.458 | 699.433 | RELL |
| 138 | 353698.282 | 4605251.249 | 699.410 | RELL |
| 139 | 353692.536 | 4605235.327 | 699.515 | RELL |
| 140 | 353687.420 | 4605237.130 | 699.505 | RELL |
| 141 | 353681.427 | 4605239.312 | 699.395 | RELL |
| 142 | 353674.805 | 4605241.255 | 699.430 | RELL |
| 143 | 353668.067 | 4605243.325 | 699.526 | RELL |
| 144 | 353662.684 | 4605226.205 | 699.520 | RELL |
| 145 | 353669.067 | 4605224.165 | 699.521 | RELL |
| 146 | 353675.046 | 4605222.358 | 699.540 | RELL |
| 147 | 353681.093 | 4605220.293 | 699.626 | RELL |
| 148 | 353686.910 | 4605218.174 | 699.626 | RELL |
| 149 | 353680.698 | 4605200.222 | 699.707 | RELL |
| 150 | 353675.756 | 4605202.159 | 699.703 | RELL |
| 151 | 353669.822 | 4605204.135 | 699.612 | RELL |
| 152 | 353663.714 | 4605206.210 | 699.529 | RELL |
| 153 | 353657.540 | 4605208.545 | 699.500 | RELL |
| 154 | 353651.508 | 4605193.448 | 699.358 | RELL |
| 155 | 353657.519 | 4605190.952 | 699.558 | RELL |
| 156 | 353663.574 | 4605188.811 | 699.635 | RELL |
| 157 | 353669.668 | 4605186.456 | 699.803 | RELL |
| 158 | 353675.349 | 4605184.399 | 699.863 | RELL |
| 159 | 353669.684 | 4605167.664 | 699.986 | RELL |
| 160 | 353663.607 | 4605169.824 | 699.847 | RELL |
| 161 | 353657.494 | 4605171.873 | 699.728 | RELL |
| 162 | 353651.437 | 4605173.783 | 699.530 | RELL |
| 163 | 353644.949 | 4605175.143 | 699.445 | RELL |
| 164 | 353640.091 | 4605159.792 | 699.511 | RELL |
| 165 | 353650.795 | 4605156.353 | 699.697 | RELL |
| 166 | 353656.909 | 4605154.054 | 699.865 | RELL |
| 167 | 353663.219 | 4605151.744 | 699.904 | RELL |
| 168 | 353658.567 | 4605135.850 | 699.822 | RELL |
| 169 | 353652.395 | 4605137.945 | 699.857 | RELL |
| 170 | 353646.488 | 4605139.734 | 699.762 | RELL |
| 171 | 353640.003 | 4605141.493 | 699.620 | RELL |
| 172 | 353634.835 | 4605142.947 | 699.367 | RELL |
| 173 | 353631.440 | 4605127.509 | 699.435 | RELL |
| 174 | 353634.884 | 4605126.262 | 699.587 | RELL |
| 175 | 353641.089 | 4605124.294 | 699.723 | RELL |
| 176 | 353647.292 | 4605122.195 | 699.795 | RELL |
| 177 | 353653.497 | 4605120.017 | 699.799 | RELL |
| 178 | 353648.357 | 4605104.546 | 699.750 | RELL |
| 179 | 353644.868 | 4605105.689 | 699.781 | RELL |
| 180 | 353639.332 | 4605107.533 | 699.721 | RELL |
| 181 | 353633.317 | 4605109.397 | 699.635 | RELL |
| 182 | 353625.863 | 4605111.365 | 699.423 | RELL |
| 183 | 353621.782 | 4605094.960 | 699.339 | RELL |
| 184 | 353629.813 | 4605092.359 | 699.602 | RELL |
| 185 | 353636.199 | 4605090.417 | 699.729 | RELL |
| 186 | 353642.962 | 4605088.163 | 699.774 | RELL |
| 187 | 353637.383 | 4605072.413 | 699.784 | RELL |
| 188 | 353633.776 | 4605073.385 | 699.784 | RELL |
| 189 | 353627.733 | 4605075.168 | 699.646 | RELL |
| 190 | 353621.320 | 4605076.804 | 699.539 | RELL |
| 191 | 353614.961 | 4605078.526 | 699.588 | RELL |
| 192 | 353609.068 | 4605064.280 | 699.578 | RELL |
| 193 | 353614.367 | 4605062.834 | 699.430 | RELL |
| 194 | 353619.953 | 4605061.119 | 699.587 | RELL |
| 195 | 353626.235 | 4605058.966 | 699.705 | RELL |
| 196 | 353632.592 | 4605057.083 | 699.718 | RELL |
| 197 | 353627.523 | 4605041.873 | 699.695 | RELL |
| 198 | 353622.585 | 4605043.265 | 699.723 | RELL |
| 199 | 353616.529 | 4605045.316 | 699.612 | RELL |
| 200 | 353610.422 | 4605047.593 | 699.505 | RELL |
| 201 | 353604.287 | 4605049.724 | 699.491 | RELL |
| 202 | 353598.376 | 4605034.078 | 699.346 | RELL |
| 203 | 353602.406 | 4605032.539 | 699.414 | RELL |
| 204 | 353608.873 | 4605030.168 | 699.535 | RELL |
| 205 | 353615.284 | 4605028.027 | 699.640 | RELL |
| 206 | 353621.924 | 4605025.835 | 699.688 | RELL |
| 207 | 353616.514 | 4605009.360 | 699.607 | RELL |
| 208 | 353611.512 | 4605011.025 | 699.621 | RELL |
| 209 | 353605.254 | 4605013.368 | 699.519 | RELL |
| 210 | 353599.336 | 4605015.332 | 699.430 | RELL |
| 211 | 353592.940 | 4605017.197 | 699.313 | RELL |
| 212 | 353587.840 | 4605002.240 | 699.217 | RELL |
| 213 | 353592.981 | 4605000.367 | 699.332 | RELL |
| 214 | 353599.080 | 4604998.526 | 699.462 | RELL |
| 215 | 353605.131 | 4604996.462 | 699.560 | RELL |
| 216 | 353611.083 | 4604994.058 | 699.608 | RELL |
| 217 | 353605.893 | 4604978.036 | 699.491 | RELL |
| 218 | 353600.541 | 4604979.894 | 699.539 | RELL |
| 219 | 353594.879 | 4604981.960 | 699.453 | RELL |
| 220 | 353588.626 | 4604984.128 | 699.351 | RELL |
| 221 | 353582.242 | 4604986.194 | 699.166 | RELL |
| 222 | 353575.928 | 4604970.576 | 699.188 | RELL |
| 223 | 353581.820 | 4604968.533 | 699.341 | RELL |
| 224 | 353587.881 | 4604966.357 | 699.443 | RELL |

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|---|---|---|---|---|
| 225 | 353594.047 | 4604964.461 | 699.473 | RELL |
| 226 | 353600.172 | 4604962.172 | 699.512 | RELL |
| 227 | 353594.820 | 4604946.586 | 699.609 | RELL |
| 228 | 353586.071 | 4604949.117 | 699.520 | RELL |
| 229 | 353578.580 | 4604951.305 | 699.409 | RELL |
| 230 | 353570.407 | 4604953.479 | 699.289 | RELL |
| 231 | 353568.143 | 4604937.165 | 699.279 | RELL |
| 232 | 353571.393 | 4604936.768 | 699.405 | RELL |
| 233 | 353576.041 | 4604935.681 | 699.433 | RELL |
| 234 | 353580.718 | 4604934.208 | 699.535 | RELL |
| 235 | 353585.474 | 4604932.864 | 699.625 | RELL |
| 236 | 353589.938 | 4604931.241 | 699.616 | RELL |
| 237 | 353583.803 | 4604916.029 | 699.594 | RELL |
| 238 | 353580.050 | 4604917.332 | 699.655 | RELL |
| 239 | 353574.976 | 4604918.868 | 699.596 | RELL |
| 240 | 353570.173 | 4604920.501 | 699.553 | RELL |
| 241 | 353565.324 | 4604922.116 | 699.385 | RELL |
| 242 | 353560.422 | 4604906.174 | 699.628 | RELL |
| 243 | 353565.671 | 4604904.659 | 699.721 | RELL |
| 244 | 353570.508 | 4604903.108 | 699.678 | RELL |
| 245 | 353574.959 | 4604901.914 | 699.697 | RELL |
| 246 | 353579.415 | 4604900.809 | 699.657 | RELL |
| 247 | 353577.453 | 4604894.724 | 699.609 | RELL |
| 248 | 353571.202 | 4604896.296 | 699.577 | RELL |
| 249 | 353566.461 | 4604897.783 | 699.625 | RELL |
| 250 | 353561.749 | 4604899.291 | 699.587 | RELL |
| 251 | 353557.570 | 4604900.671 | 699.596 | RELL |
| 252 | 353834.508 | 4605655.941 | 698.746 | RELL |
| 253 | 353748.176 | 4605594.299 | 698.760 | PT |
| 254 | 353750.475 | 4605594.139 | 698.760 | PT |
| 255 | 353748.467 | 4605595.129 | 699.500 | CT |
| 256 | 353746.620 | 4605595.568 | 698.750 | PT |
| 257 | 353736.604 | 4605550.473 | 698.849 | MURO |
| 258 | 353728.466 | 4605525.253 | 698.819 | MURO |
| 259 | 353735.036 | 4605522.055 | 698.849 | MURO |
| 260 | 353732.114 | 4605558.556 | 698.897 | ABAST TUBPEQ |
| 261 | 353711.667 | 4605510.435 | 698.765 | ABAST |
| 262 | 353702.071 | 4605494.566 | 698.747 | SANEAM |
| 263 | 353693.105 | 4605485.219 | 698.756 | AGL F |
| 264 | 353699.055 | 4605495.607 | 698.681 | AGL |
| 265 | 353707.853 | 4605513.895 | 698.745 | AGL |
| 266 | 353717.888 | 4605535.333 | 698.777 | AGL |
| 267 | 353723.960 | 4605549.004 | 698.769 | AGL |
| 268 | 353729.315 | 4605560.796 | 698.798 | AGL |
| 269 | 353735.884 | 4605575.479 | 698.804 | AGL |
| 270 | 353743.749 | 4605593.480 | 698.875 | AGL I |
| 271 | 353750.595 | 4605590.551 | 698.938 | SANEAM |
| 272 | 353753.184 | 4605590.907 | 698.928 | ABAST |
| 273 | 353702.313 | 4605494.415 | 698.819 | SANEAM |
| 274 | 353750.769 | 4605590.424 | 698.969 | SANEAM |
| 275 | 353770.842 | 4605635.782 | 698.969 | POZO |
| 276 | 353791.257 | 4605681.524 | 698.949 | POZO |
| 277 | 353811.642 | 4605727.574 | 698.689 | POZO |
| 278 | 353585.009 | 4604910.383 | 699.949 | ptos |
| 279 | 353585.774 | 4604912.913 | 699.804 | ptos |
| 280 | 353590.310 | 4604926.303 | 699.877 | ptos |
| 281 | 353595.960 | 4604943.276 | 699.894 | ptos |
| 282 | 353598.467 | 4604950.799 | 699.834 | ptos |
| 283 | 353602.974 | 4604964.339 | 699.769 | ptos |
| 284 | 353604.977 | 4604970.291 | 699.760 | ptos |
| 285 | 353610.392 | 4604986.714 | 699.717 | ptos |
| 286 | 353616.072 | 4605003.620 | 699.936 | ptos |
| 287 | 353618.530 | 4605011.027 | 700.021 | ptos |
| 288 | 353622.912 | 4605023.403 | 700.005 | ptos |
| 289 | 353629.246 | 4605041.996 | 699.896 | ptos |
| 290 | 353630.394 | 4605046.114 | 699.901 | ptos |
| 291 | 353631.803 | 4605051.321 | 699.943 | ptos |
| 292 | 353634.547 | 4605060.751 | 700.010 | ptos |
| 293 | 353637.538 | 4605069.829 | 700.060 | ptos |
| 294 | 353643.676 | 4605088.412 | 700.007 | RELL |
| 295 | 353649.891 | 4605107.177 | 700.000 | ptos |
| 296 | 353655.057 | 4605122.867 | 700.077 | ptos |
| 297 | 353605.452 | 4604970.133 | 699.760 | ptos |
| 298 | 353564.470 | 4604951.133 | 699.284 | AGLOM |
| 299 | 353583.284 | 4604895.844 | 699.914 | RELL |
| 300 | 353584.666 | 4604901.907 | 699.790 | RELL |
| 301 | 353585.626 | 4604906.672 | 700.019 | RELL |
| 302 | 353589.893 | 4604894.975 | 699.823 | RELL |
| 303 | 353591.111 | 4604899.787 | 699.737 | RELL |
| 304 | 353598.388 | 4604901.531 | 699.858 | RELL |
| 305 | 353598.885 | 4604894.233 | 699.789 | RELL |
| 306 | 353604.384 | 4604896.484 | 699.794 | RELL |
| 307 | 353611.344 | 4604901.700 | 700.015 | RELL |
| 308 | 353624.113 | 4604903.480 | 700.029 | RELL |
| 309 | 353630.786 | 4604907.777 | 700.015 | MURO |
| 310 | 353623.289 | 4604908.127 | 700.046 | MURO |
| 311 | 353616.190 | 4604908.474 | 700.043 | MURO |
| 312 | 353614.958 | 4604908.907 | 700.022 | AGLOM |
| 313 | 353612.996 | 4604908.209 | 700.099 | AGLOM |
| 314 | 353611.134 | 4604908.393 | 700.024 | AGLOM |
| 315 | 353610.159 | 4604908.704 | 700.073 | MURO |
| 316 | 353600.223 | 4604909.376 | 700.241 | PUERTA |
| 317 | 353596.214 | 4604909.655 | 700.179 | PUERTA |
| 318 | 353585.488 | 4604910.238 | 699.949 | ptos |
| 319 | 353554.346 | 4604901.679 | 699.486 | MURO |
| 320 | 353552.339 | 4604901.015 | 699.553 | MURO |
| 321 | 353557.863 | 4604905.999 | 699.616 | RELL |
| 322 | 353548.164 | 4604912.168 | 699.337 | PUERTA |
| 323 | 353547.045 | 4604912.138 | 699.284 | PUERTA |
| 324 | 353540.268 | 4604912.447 | 699.192 | PUERTA |
| 325 | 353538.039 | 4604912.567 | 699.231 | PUERTA |
| 326 | 353535.186 | 4604912.631 | 699.237 | PUERTA |
| 327 | 353532.592 | 4604912.735 | 699.241 | PUERTA |
| 328 | 353529.552 | 4604911.216 | 699.130 | AGLOM |
| 329 | 353529.416 | 4604908.392 | 699.245 | AGLOM |
| 330 | 353529.115 | 4604905.877 | 699.192 | AGLOM |
| 331 | 353534.372 | 4604902.086 | 699.137 | AGLOM |
| 332 | 353535.409 | 4604906.567 | 699.261 | AGLOM |
| 333 | 353536.205 | 4604910.880 | 699.132 | AGLOM |
| 334 | 353545.530 | 4604910.401 | 699.168 | AGLOM |
| 335 | 353545.085 | 4604906.170 | 699.370 | AGLOM |
| 336 | 353544.258 | 4604900.863 | 699.352 | AGLOM |
| 337 | 353550.796 | 4604904.053 | 699.481 | AGLOM |
| 338 | 353551.745 | 4604907.479 | 699.516 | AGLOM |

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|---|---|---|---|---|
| 339 | 353551.558 | 4604910.369 | 699.380 | AGLOM |
| 340 | 353550.847 | 4604912.382 | 699.370 | PT |
| 341 | 353549.665 | 4604912.208 | 699.376 | MURO |
| 342 | 353554.597 | 4604916.465 | 699.346 | PT |
| 343 | 353553.740 | 4604916.894 | 699.328 | MURO |
| 344 | 353557.870 | 4604923.436 | 699.338 | PT |
| 345 | 353557.199 | 4604923.720 | 699.390 | MURO |
| 346 | 353561.064 | 4604929.886 | 699.289 | MURO |
| 347 | 353560.329 | 4604929.969 | 699.400 | MURO |
| 348 | 353560.774 | 4604931.910 | 699.252 | PT |
| 349 | 353560.850 | 4604932.051 | 699.250 | PT |
| 350 | 353560.403 | 4604932.314 | 699.401 | MURO |
| 351 | 353561.990 | 4604931.707 | 699.265 | PT |
| 352 | 353562.065 | 4604932.229 | 699.361 | MURO |
| 353 | 353562.491 | 4604932.047 | 699.265 | PT |
| 354 | 353565.253 | 4604940.966 | 699.264 | PT |
| 355 | 353564.705 | 4604941.515 | 699.349 | MURO |
| 356 | 353568.588 | 4604949.409 | 699.289 | PT |
| 357 | 353567.616 | 4604949.322 | 699.477 | MURO |
| 358 | 353567.635 | 4604949.374 | 699.386 | MURO |
| 359 | 353565.248 | 4604949.558 | 699.370 | MURO |
| 360 | 353568.985 | 4604955.772 | 699.341 | AGLOM |
| 361 | 353568.089 | 4604953.018 | 699.428 | AGLOM |
| 362 | 353566.852 | 4604950.949 | 699.327 | AGLOM |
| 363 | 353564.473 | 4604954.038 | 699.366 | AGLOM |
| 364 | 353564.176 | 4604956.070 | 699.262 | AGLOM |
| 365 | 353563.886 | 4604957.475 | 699.348 | MURO |
| 366 | 353565.717 | 4604957.306 | 699.334 | MURO |
| 367 | 353569.499 | 4604957.238 | 699.413 | MURO |
| 368 | 353570.952 | 4604956.954 | 699.313 | PT I |
| 369 | 353583.951 | 4604910.714 | 699.852 | VIA |
| 370 | 353584.780 | 4604913.791 | 699.676 | VIA |
| 371 | 353586.250 | 4604912.760 | 699.804 | ptos |
| 372 | 353590.784 | 4604926.144 | 699.877 | ptos |
| 373 | 353588.634 | 4604926.429 | 699.507 | VIA |
| 374 | 353594.401 | 4604943.249 | 699.486 | VIA |
| 375 | 353596.435 | 4604943.118 | 699.894 | ptos |
| 376 | 353598.637 | 4604949.785 | 699.832 | PUERTA |
| 377 | 353598.941 | 4604950.641 | 699.834 | ptos |
| 378 | 353603.448 | 4604964.180 | 699.769 | ptos |
| 379 | 353605.228 | 4604969.469 | 699.760 | PUERTA |
| 380 | 353603.547 | 4604968.426 | 699.572 | VIA |
| 381 | 353609.306 | 4604987.562 | 699.344 | VIA |
| 382 | 353610.866 | 4604986.556 | 699.717 | ptos |
| 383 | 353616.547 | 4605003.462 | 699.936 | ptos |
| 384 | 353618.513 | 4605009.558 | 699.986 | PUERTA |
| 385 | 353619.003 | 4605010.865 | 700.021 | ptos |
| 386 | 353616.181 | 4605006.061 | 699.584 | VIA |
| 387 | 353623.384 | 4605023.239 | 700.005 | ptos |
| 388 | 353626.501 | 4605032.470 | 700.029 | PUERTA |
| 389 | 353627.284 | 4605034.641 | 699.973 | PUERTA |
| 390 | 353628.392 | 4605042.482 | 699.351 | VIA |
| 391 | 353629.724 | 4605041.849 | 699.896 | ptos |
| 392 | 353631.367 | 4605047.895 | 699.950 | PUERTA |
| 393 | 353631.874 | 4605049.527 | 700.021 | PUERTA |
| 394 | 353632.285 | 4605051.186 | 699.943 | ptos |
| 395 | 353630.876 | 4605045.981 | 699.901 | ptos |
| 396 | 353629.584 | 4605046.515 | 699.423 | VIA |
| 397 | 353635.025 | 4605060.603 | 700.010 | ptos |
| 398 | 353638.013 | 4605069.672 | 700.060 | ptos |
| 399 | 353579.247 | 4604981.337 | 699.202 | MURO |
| 400 | 353578.690 | 4604981.590 | 699.467 | MURO |
| 401 | 353583.809 | 4604996.066 | 699.207 | MURO |
| 402 | 353583.443 | 4604996.197 | 699.484 | MURO |
| 403 | 353586.996 | 4605004.409 | 699.173 | MURO |
| 404 | 353586.542 | 4605004.696 | 699.496 | MURO |
| 405 | 353591.098 | 4605015.865 | 699.123 | PT |
| 406 | 353590.458 | 4605016.330 | 699.582 | PUERTA |
| 407 | 353591.417 | 4605018.533 | 699.503 | AGLOM |
| 408 | 353592.473 | 4605021.296 | 699.606 | AGLOM |
| 409 | 353592.751 | 4605023.355 | 699.500 | AGLOM |
| 410 | 353588.682 | 4605020.502 | 699.594 | TAPA SAN |
| 411 | 353587.043 | 4605020.580 | 699.594 | TAPA SAN |
| 412 | 353590.932 | 4605023.464 | 699.490 | AGLOM |
| 413 | 353590.080 | 4605021.003 | 699.579 | AGLOM |
| 414 | 353589.790 | 4605018.654 | 699.481 | AGLOM |
| 415 | 353589.960 | 4605016.358 | 699.593 | PUERTA |
| 416 | 353585.911 | 4605016.588 | 699.592 | PUERTA |
| 417 | 353581.889 | 4605016.696 | 699.561 | MURO |
| 418 | 353581.910 | 4605019.043 | 699.390 | AGLOM |
| 419 | 353582.275 | 4605021.498 | 699.488 | AGLOM |
| 420 | 353582.329 | 4605023.926 | 699.387 | AGLOM |
| 421 | 353583.437 | 4605025.384 | 699.491 | MURO |
| 422 | 353589.154 | 4605025.130 | 699.532 | MURO |
| 423 | 353593.601 | 4605025.066 | 699.641 | MURO |
| 424 | 353593.972 | 4605025.020 | 699.231 | MURO |
| 425 | 353595.660 | 4605032.009 | 699.673 | MURO |
| 426 | 353596.168 | 4605031.961 | 699.348 | MURO |
| 427 | 353611.552 | 4605077.701 | 699.568 | CT |
| 428 | 353606.037 | 4605062.754 | 699.293 | PT |
| 429 | 353603.872 | 4605055.506 | 699.125 | PT |
| 430 | 353601.982 | 4605049.611 | 699.262 | PT I |
| 431 | 353601.460 | 4605050.098 | 699.588 | CT |
| 432 | 353602.856 | 4605055.867 | 699.416 | CT |
| 433 | 353603.482 | 4605056.656 | 699.651 | CT |
| 434 | 353605.824 | 4605065.332 | 699.654 | CT |
| 435 | 353610.142 | 4605076.176 | 699.718 | CT I |
| 436 | 353602.890 | 4605056.804 | 699.873 | CT |
| 437 | 353606.650 | 4605074.530 | 699.848 | CT |
| 438 | 353600.020 | 4605075.764 | 699.833 | CT I |
| 439 | 353607.703 | 4605076.494 | 699.718 | MURO |
| DEMOLIDO | | | | |
| 440 | 353599.399 | 4605076.858 | 699.688 | MURO |
| DEMOLIDO | | | | |
| 441 | 353600.006 | 4605081.901 | 699.663 | TAPA SAN |
| 442 | 353601.833 | 4605081.701 | 699.697 | TAPA SAN |
| 443 | 353610.636 | 4605084.440 | 699.668 | AGLOM |
| 444 | 353610.504 | 4605081.727 | 699.756 | AGLOM |
| 445 | 353609.548 | 4605079.006 | 699.673 | AGLOM |
| 446 | 353604.144 | 4605078.732 | 699.627 | AGLOM |
| 447 | 353604.181 | 4605081.996 | 699.707 | AGLOM |
| 448 | 353604.274 | 4605084.744 | 699.616 | AGLOM |
| 449 | 353604.473 | 4605086.302 | 699.664 | MURO |
| 450 | 353610.163 | 4605085.998 | 699.745 | PUERTA |

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|---|---|---|---|---|
| 451 | 353611.196 | 4605085.943 | 699.745 | PUERTA |
| 452 | 353613.372 | 4605085.827 | 699.753 | MURO |
| 453 | 353795.048 | 4605532.169 | 699.569 | MURO |
| 454 | 353796.762 | 4605525.557 | 699.630 | PUERTA |
| 455 | 353796.501 | 4605527.499 | 699.539 | AGLOM |
| 456 | 353798.479 | 4605531.081 | 699.740 | MURO |
| 457 | 353776.865 | 4605565.760 | 699.609 | MURO |
| 458 | 353759.251 | 4605517.278 | 699.349 | MURO |
| 459 | 353820.243 | 4605595.728 | 699.704 | FAROLA |
| 460 | 353826.766 | 4605615.670 | 699.645 | FAROLA |
| 461 | 353832.139 | 4605631.702 | 699.675 | FAROLA |
| 462 | 353839.821 | 4605654.913 | 699.530 | FAROLA |
| 463 | 353834.231 | 4605641.244 | 699.553 | AGLOM |
| 464 | 353835.341 | 4605640.749 | 699.620 | PUERTA |
| 465 | 353835.165 | 4605640.117 | 699.707 | PUERTA |
| 466 | 353834.957 | 4605639.626 | 699.631 | PUERTA |
| 467 | 353829.732 | 4605627.510 | 699.569 | AGLOM |
| 468 | 353830.804 | 4605627.170 | 699.646 | MURO |
| 469 | 353825.423 | 4605614.658 | 699.568 | AGLOM |
| 470 | 353826.481 | 4605614.234 | 699.671 | PUERTA |
| 471 | 353825.478 | 4605611.151 | 699.668 | PUERTA |
| 472 | 353822.424 | 4605605.472 | 699.601 | AGLOM |
| 473 | 353823.420 | 4605605.114 | 699.665 | MURO |
| 474 | 353820.077 | 4605594.688 | 699.712 | PUERTA |
| 475 | 353819.762 | 4605593.817 | 699.731 | PUERTA |
| 476 | 353815.553 | 4605584.646 | 699.796 | AGLOM |
| 477 | 353816.663 | 4605584.258 | 699.841 | MURO |
| 478 | 353813.813 | 4605576.146 | 699.974 | MURO |
| 479 | 353817.697 | 4605575.742 | 699.984 | MURO |
| 480 | 353814.293 | 4605573.696 | 699.976 | AGLOM |
| 481 | 353812.833 | 4605576.249 | 699.904 | AGLOM |
| 482 | 353812.860 | 4605575.003 | 699.924 | AGLOM |
| 483 | 353813.202 | 4605574.055 | 699.923 | AGLOM |
| 484 | 353814.076 | 4605573.253 | 699.918 | AGLOM |
| 485 | 353816.838 | 4605572.863 | 699.920 | AGLOM |
| 486 | 353824.192 | 4605571.922 | 699.852 | AGLOM |
| 487 | 353829.400 | 4605571.231 | 699.837 | AGLOM |
| 488 | 353829.341 | 4605568.722 | 699.949 | AGLOM |
| 489 | 353825.987 | 4605569.179 | 699.942 | AGLOM |
| 490 | 353821.576 | 4605569.788 | 699.974 | AGLOM |
| 491 | 353815.917 | 4605570.398 | 700.015 | AGLOM |
| 492 | 353810.987 | 4605571.038 | 700.046 | AGLOM |
| 493 | 353810.235 | 4605568.724 | 699.966 | AGLOM |
| 494 | 353815.570 | 4605568.085 | 699.925 | AGLOM |
| 495 | 353822.927 | 4605567.182 | 699.854 | AGLOM |
| 496 | 353828.441 | 4605566.506 | 699.832 | AGLOM |
| 497 | 353806.833 | 4605567.120 | 700.112 | MURO |
| 498 | 353810.639 | 4605566.604 | 700.082 | MURO |
| 499 | 353796.179 | 4605523.678 | 699.628 | PUERTA |
| 500 | 353794.478 | 4605519.885 | 699.592 | FAROLA |
| 501 | 353792.729 | 4605515.965 | 699.524 | AGLOM |
| 502 | 353793.672 | 4605515.652 | 699.565 | MURO |
| 503 | 353791.667 | 4605509.409 | 699.529 | PUERTA |
| 504 | 353791.343 | 4605508.401 | 699.526 | PUERTA |
| 505 | 353788.179 | 4605502.091 | 699.510 | AGLOM |
| 506 | 353789.249 | 4605501.865 | 699.553 | MURO |
| 507 | 353786.544 | 4605493.514 | 699.569 | PUERTA |
| 508 | 353786.172 | 4605492.358 | 699.573 | PUERTA |
| 509 | 353782.625 | 4605485.115 | 699.545 | AGLOM |
| 510 | 353783.653 | 4605484.713 | 699.599 | PUERTA |
| 511 | 353782.644 | 4605481.624 | 699.607 | PUERTA |
| 512 | 353776.054 | 4605465.076 | 699.561 | AGLOM |
| 513 | 353777.158 | 4605464.973 | 699.644 | MURO |
| 514 | 353785.627 | 4605506.471 | 699.462 | AGLOM |
| 515 | 353790.864 | 4605522.261 | 699.469 | AGLOM |
| 516 | 353792.787 | 4605528.622 | 699.482 | AGLOM |
| 517 | 353795.573 | 4605533.824 | 699.567 | MURO |
| 518 | 353800.459 | 4605548.671 | 699.522 | MURO |
| 519 | 353806.381 | 4605567.181 | 700.200 | MURO |
| 520 | 353806.594 | 4605570.607 | 700.070 | TAPA SAN |
| 521 | 353806.923 | 4605571.150 | 700.072 | TAPA SAN |
| 522 | 353800.345 | 4605574.258 | 699.918 | POZO GALERIA |
| 523 | 353800.560 | 4605575.098 | 699.919 | POZO GALERIA |
| 524 | 353809.869 | 4605581.569 | 699.762 | AGLOM |
| 525 | 353815.241 | 4605597.133 | 699.587 | AGLOM |
| 526 | 353821.373 | 4605614.420 | 699.519 | AGLOM |
| 527 | 353827.823 | 4605633.941 | 699.462 | AGLOM |
| 528 | 353833.491 | 4605651.626 | 699.383 | AGLOM |
| 529 | 353807.635 | 4605653.798 | 699.159 | RELL |
| 530 | 353799.143 | 4605632.641 | 699.200 | RELL |
| 531 | 353785.188 | 4605637.341 | 698.926 | RELL |
| 532 | 353776.350 | 4605616.431 | 698.806 | RELL |
| 533 | 353792.141 | 4605610.332 | 699.214 | RELL |
| 534 | 353784.176 | 4605595.998 | 699.279 | RELL |
| 535 | 353769.953 | 4605601.161 | 698.918 | RELL |
| 536 | 353776.846 | 4605615.480 | 699.094 | CT |
| 537 | 353781.298 | 4605613.648 | 699.125 | CT |
| 538 | 353774.583 | 4605594.512 | 699.147 | CT |
| 539 | 353768.861 | 4605596.659 | 699.080 | CT I |
| 540 | 353758.704 | 4605577.273 | 698.729 | PUERTA |
| 541 | 353759.678 | 4605576.947 | 698.732 | PUERTA |
| 542 | 353771.411 | 4605573.018 | 699.017 | MURO |
| 543 | 353790.038 | 4605578.170 | 700.039 | POZO GALERIA |
| 544 | 353789.153 | 4605578.154 | 700.041 | POZO GALERIA |
| 545 | 353782.248 | 4605576.061 | 699.568 | CT |
| 546 | 353783.581 | 4605580.872 | 699.637 | CT |
| 547 | 353782.142 | 4605583.515 | 699.529 | CT |
| 548 | 353779.762 | 4605586.834 | 699.339 | CT I |
| 549 | 353778.787 | 4605585.904 | 698.727 | ARQ |
| 550 | 353781.494 | 4605581.526 | 698.866 | PT |
| 551 | 353780.114 | 4605577.438 | 698.808 | PT |
| 552 | 353781.846 | 4605576.825 | 698.894 | PT I |
| 553 | 353778.926 | 4605572.850 | 699.862 | CT |
| 554 | 353777.542 | 4605574.338 | 700.003 | CT |
| 555 | 353776.182 | 4605577.869 | 699.832 | CT |
| 556 | 353776.614 | 4605581.459 | 699.842 | CT |
| 557 | 353773.924 | 4605583.487 | 700.048 | CT |
| 558 | 353773.499 | 4605585.085 | 699.993 | CT |
| 559 | 353767.988 | 4605587.563 | 699.640 | CT I |
| 560 | 353766.582 | 4605582.830 | 699.707 | CT |
| 561 | 353771.739 | 4605579.820 | 700.032 | CT |
| 562 | 353774.721 | 4605576.327 | 699.767 | CT |
| 563 | 353777.765 | 4605572.318 | 699.933 | CT |
| 564 | 353778.778 | 4605571.788 | 699.882 | CT I |

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|---|---|---|---|---|
| 565 | 353779.812 | 4605573.236 | 699.270 | PT |
| 566 | 353778.020 | 4605578.733 | 698.866 | PT |
| 567 | 353777.526 | 4605583.894 | 699.019 | PT |
| 568 | 353774.674 | 4605587.486 | 699.280 | PT |
| 569 | 353767.105 | 4605592.549 | 699.156 | PT I |
| 570 | 353764.727 | 4605582.014 | 699.085 | PT |
| 571 | 353768.925 | 4605577.985 | 699.245 | PT |
| 572 | 353772.214 | 4605577.669 | 699.251 | PT |
| 573 | 353774.097 | 4605574.223 | 699.072 | PT |
| 574 | 353777.349 | 4605571.551 | 699.656 | PT I |
| 575 | 353773.123 | 4605574.328 | 699.045 | CAJA |
| 576 | 353772.361 | 4605575.174 | 698.933 | CAJA |
| 577 | 353769.724 | 4605577.521 | 699.245 | CASETA |
| 578 | 353772.439 | 4605576.649 | 699.176 | CASETA |
| 579 | 353771.417 | 4605573.406 | 699.021 | CASETA |
| 580 | 353776.372 | 4605586.568 | 699.452 | ARQ |
| 581 | 353777.970 | 4605587.257 | 699.501 | ARQ |
| 582 | 353777.984 | 4605586.938 | 699.474 | ARQ |
| 583 | 353778.254 | 4605585.542 | 699.491 | ARQ |
| 584 | 353778.227 | 4605583.450 | 699.740 | TAPA ABAS |
| 585 | 353778.802 | 4605583.168 | 699.750 | TAPA ABAS |
| 586 | 353778.973 | 4605580.031 | 699.765 | TAPA SAN |
| 587 | 353779.155 | 4605580.552 | 699.766 | TAPA SAN |
| 588 | 353778.988 | 4605581.176 | 699.823 | ARQ |
| 589 | 353780.653 | 4605581.734 | 699.814 | ARQ |
| 590 | 353781.540 | 4605581.420 | 699.743 | ARQ |
| 591 | 353782.035 | 4605576.862 | 699.782 | PT I |
| 592 | 353779.403 | 4605570.308 | 699.418 | PT |
| 593 | 353778.001 | 4605570.811 | 699.654 | PUERTA |
| 594 | 353777.991 | 4605570.461 | 699.736 | PUERTA |
| 595 | 353777.923 | 4605568.158 | 699.883 | PUERTA |
| 596 | 353777.859 | 4605566.006 | 699.765 | PUERTA |
| 597 | 353777.842 | 4605565.440 | 699.519 | MURO |
| 598 | 353776.381 | 4605564.286 | 699.709 | MURO |
| 599 | 353777.554 | 4605563.758 | 699.301 | PT |
| 600 | 353773.237 | 4605551.742 | 699.406 | PT |
| 601 | 353772.178 | 4605551.481 | 699.782 | MURO |
| 602 | 353768.076 | 4605539.147 | 699.813 | MURO |
| 603 | 353769.284 | 4605538.941 | 699.395 | PT |
| 604 | 353763.349 | 4605521.789 | 699.257 | PT |
| 605 | 353762.489 | 4605522.209 | 699.736 | MURO |
| 606 | 353760.900 | 4605516.809 | 699.373 | MURO |
| 607 | 353760.628 | 4605516.814 | 699.409 | MURO |
| 608 | 353758.286 | 4605514.416 | 699.301 | MURO |
| 609 | 353755.489 | 4605498.154 | 699.587 | MURO |
| 610 | 353751.874 | 4605499.423 | 699.623 | PUERTA |
| 611 | 353752.612 | 4605499.164 | 699.723 | PUERTA |
| 612 | 353753.301 | 4605498.922 | 699.589 | PUERTA |
| 613 | 353740.155 | 4605348.003 | 699.500 | MURO |
| 614 | 353707.137 | 4605254.662 | 699.713 | PUERTA |
| 615 | 353706.365 | 4605252.234 | 699.710 | PUERTA |
| 616 | 353716.796 | 4605450.027 | 699.813 | CT |
| 617 | 353718.776 | 4605456.139 | 699.784 | CT |
| 618 | 353721.358 | 4605463.605 | 699.764 | CT |
| 619 | 353723.096 | 4605468.870 | 699.760 | CT |
| 620 | 353718.139 | 4605470.792 | 699.774 | CT |
| 621 | 353715.697 | 4605463.324 | 699.747 | CT |
| 622 | 353712.387 | 4605453.518 | 699.769 | CT |
| 623 | 353710.744 | 4605448.718 | 699.820 | CT |
| 624 | 353715.807 | 4605447.176 | 699.832 | CT I |
| 625 | 353723.572 | 4605455.102 | 699.630 | RELL |
| 626 | 353726.392 | 4605467.347 | 699.347 | RELL |
| 627 | 353727.645 | 4605477.468 | 699.121 | RELL |
| 628 | 353731.274 | 4605488.884 | 699.058 | RELL |
| 629 | 353735.278 | 4605499.031 | 699.126 | RELL |
| 630 | 353737.219 | 4605477.799 | 700.665 | CT I |
| 631 | 353737.103 | 4605479.942 | 699.233 | PT I |
| 632 | 353742.747 | 4605480.579 | 699.608 | ARQ |
| 633 | 353741.928 | 4605481.941 | 699.609 | ARQ |
| 634 | 353741.851 | 4605482.073 | 699.611 | ARQ |
| 635 | 353740.502 | 4605481.556 | 699.558 | ARQ |
| 636 | 353740.444 | 4605481.789 | 699.544 | ARQ |
| 637 | 353740.379 | 4605482.907 | 699.492 | ARQ |
| 638 | 353738.707 | 4605485.648 | 699.531 | ARQ COTA MAX |
| 639 | 353739.492 | 4605485.371 | 699.354 | ARQ |
| 640 | 353737.809 | 4605485.966 | 699.253 | ARQ |
| 641 | 353738.679 | 4605488.574 | 699.308 | ARQ |
| 642 | 353740.390 | 4605488.032 | 699.394 | ARQ |
| 643 | 353745.498 | 4605490.476 | 699.594 | MURO |
| 644 | 353749.550 | 4605495.285 | 699.659 | MURO COTA MAX |
| 645 | 353747.625 | 4605498.282 | 699.718 | ARQ |
| 646 | 353748.327 | 4605496.971 | 699.694 | ARQ |
| 647 | 353751.048 | 4605499.713 | 699.593 | MURO |
| 648 | 353756.868 | 4605510.209 | 699.402 | MURO |
| 649 | 353749.161 | 4605512.750 | 699.085 | MURO |
| 650 | 353748.361 | 4605510.066 | 699.298 | MURO |
| 651 | 353742.716 | 4605511.930 | 699.224 | MURO COTA MAX |
| 652 | 353736.334 | 4605514.036 | 699.002 | MURO |
| 653 | 353735.701 | 4605517.970 | 698.910 | PUERTA |
| 654 | 353735.578 | 4605518.728 | 699.221 | PUERTA |
| 655 | 353735.484 | 4605519.302 | 698.868 | PUERTA |
| 656 | 353731.105 | 4605515.157 | 699.059 | PUERTA |
| 657 | 353727.504 | 4605504.578 | 698.928 | MURO |
| 658 | 353724.899 | 4605496.956 | 698.846 | MURO |
| 659 | 353721.097 | 4605485.695 | 698.977 | PT |
| 660 | 353719.070 | 4605475.877 | 699.087 | TORRE |
| 661 | 353718.039 | 4605475.202 | 699.091 | TORRE |
| 662 | 353716.410 | 4605472.077 | 699.202 | PT |
| 663 | 353717.726 | 4605471.665 | 699.486 | CT |
| 664 | 353713.008 | 4605463.205 | 699.157 | PT |
| 665 | 353714.722 | 4605462.811 | 699.477 | CT |
| 666 | 353710.436 | 4605454.217 | 699.327 | PT |
| 667 | 353711.620 | 4605453.792 | 699.510 | CT |
| 668 | 353708.525 | 4605445.105 | 699.890 | CT I |
| 669 | 353707.542 | 4605445.456 | 699.680 | PT I |
| 670 | 353707.084 | 4605444.206 | 699.926 | MURO |
| 671 | 353705.408 | 4605438.939 | 700.020 | MURO |
| 672 | 353710.294 | 4605443.451 | 700.016 | MURO |
| 673 | 353719.381 | 4605440.460 | 700.049 | PUERTA |
| 674 | 353713.656 | 4605442.344 | 700.050 | PUERTA |
| 675 | 353716.542 | 4605441.321 | 700.043 | PUERTA |
| 676 | 353724.838 | 4605438.676 | 700.010 | MURO |

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|---|---|---|---|---|
| 677 | 353772.218 | 4605452.718 | 699.611 | ARQ |
| 678 | 353773.019 | 4605453.202 | 699.611 | ARQ |
| 679 | 353771.558 | 4605448.766 | 699.577 | TAPA SAN |
| 680 | 353780.220 | 4605450.295 | 699.666 | ARQ |
| 681 | 353781.074 | 4605452.651 | 699.645 | ZAPATA |
| 682 | 353780.853 | 4605453.531 | 699.649 | ZAPATA |
| 683 | 353777.351 | 4605454.698 | 699.631 | ZAPATA |
| 684 | 353776.465 | 4605451.508 | 699.639 | ZAPATA |
| 685 | 353772.838 | 4605455.343 | 699.554 | AGLOM |
| 686 | 353772.166 | 4605453.287 | 699.558 | AGLOM |
| 687 | 353771.933 | 4605452.064 | 699.559 | AGLOM |
| 688 | 353772.417 | 4605451.042 | 699.548 | AGLOM |
| 689 | 353773.309 | 4605450.102 | 699.558 | AGLOM |
| 690 | 353772.552 | 4605447.964 | 699.560 | AGLOM |
| 691 | 353771.768 | 4605445.786 | 699.573 | AGLOM |
| 692 | 353770.502 | 4605445.617 | 699.534 | AGLOM |
| 693 | 353769.570 | 4605444.794 | 699.500 | AGLOM |
| 694 | 353769.069 | 4605443.697 | 699.482 | AGLOM |
| 695 | 353772.431 | 4605442.790 | 699.651 | MURO |
| 696 | 353770.123 | 4605443.583 | 699.578 | MURO |
| 697 | 353744.806 | 4605473.894 | 700.472 | CT |
| 698 | 353741.767 | 4605464.247 | 700.704 | CT |
| 699 | 353739.178 | 4605462.859 | 700.564 | CT |
| 700 | 353736.923 | 4605464.101 | 700.582 | CT |
| 701 | 353735.486 | 4605467.902 | 700.615 | CT I |
| 702 | 353776.268 | 4605477.846 | 699.476 | AGLOM |
| 703 | 353771.996 | 4605464.684 | 699.474 | AGLOM |
| 704 | 353767.120 | 4605453.253 | 699.429 | AGLOM |
| 705 | 353744.862 | 4605488.649 | 699.626 | MURO |
| 706 | 353749.266 | 4605487.187 | 699.604 | PUERTA |
| 707 | 353750.171 | 4605486.887 | 699.724 | PUERTA |
| 708 | 353750.969 | 4605486.622 | 699.588 | PUERTA |
| 709 | 353751.520 | 4605486.439 | 699.565 | PUERTA |
| 710 | 353747.115 | 4605474.684 | 699.337 | PT |
| 711 | 353744.867 | 4605468.385 | 699.298 | PT |
| 712 | 353742.044 | 4605463.629 | 699.327 | PT |
| 713 | 353738.665 | 4605461.438 | 699.495 | PT |
| 714 | 353734.779 | 4605463.496 | 699.515 | PT |
| 715 | 353733.185 | 4605466.384 | 699.392 | PT I |
| 716 | 353728.845 | 4605451.037 | 699.978 | MURO |
| 717 | 353729.834 | 4605452.919 | 699.620 | PT |
| 718 | 353736.743 | 4605450.020 | 699.503 | PT I |
| 719 | 353763.684 | 4605437.486 | 699.429 | AGLOM |
| 720 | 353766.679 | 4605436.591 | 699.439 | AGLOM |
| 721 | 353767.674 | 4605436.198 | 699.497 | PUERTA |
| 722 | 353767.181 | 4605434.770 | 699.505 | PUERTA |
| 723 | 353758.954 | 4605423.463 | 699.401 | AGLOM |
| 724 | 353761.944 | 4605422.269 | 699.443 | AGLOM |
| 725 | 353762.887 | 4605422.090 | 699.500 | PUERTA |
| 726 | 353762.405 | 4605420.638 | 699.534 | PUERTA |
| 727 | 353757.765 | 4605406.421 | 699.519 | PUERTA |
| 728 | 353756.804 | 4605403.484 | 699.524 | PUERTA |
| 729 | 353750.190 | 4605398.165 | 699.363 | AGLOM |
| 730 | 353753.499 | 4605396.883 | 699.447 | AGLOM |
| 731 | 353753.568 | 4605395.515 | 699.500 | FAROLA |
| 732 | 353751.121 | 4605386.566 | 699.506 | PUERTA |
| 733 | 353750.692 | 4605385.227 | 699.505 | PUERTA |
| 734 | 353745.572 | 4605369.786 | 699.486 | MURO |
| 735 | 353744.509 | 4605369.854 | 699.413 | AGLOM |
| 736 | 353741.166 | 4605371.282 | 699.399 | AGLOM |
| 737 | 353737.182 | 4605359.791 | 699.421 | AGLOM |
| 738 | 353740.742 | 4605358.467 | 699.413 | AGLOM |
| 739 | 353741.772 | 4605358.200 | 699.471 | PUERTA |
| 740 | 353741.440 | 4605357.158 | 699.477 | PUERTA |
| 741 | 353738.459 | 4605348.552 | 699.483 | MURO |
| 742 | 353733.979 | 4605350.078 | 699.460 | AGLOM |
| 743 | 353737.464 | 4605348.636 | 699.483 | AGLOM |
| 744 | 353737.518 | 4605347.458 | 699.492 | AGLOM |
| 745 | 353738.150 | 4605346.313 | 699.520 | AGLOM |
| 746 | 353741.017 | 4605339.856 | 699.577 | AGLOM |
| 747 | 353740.030 | 4605337.725 | 699.656 | MURO |
| 748 | 353735.411 | 4605339.300 | 699.601 | MURO |
| 749 | 353737.052 | 4605341.043 | 699.545 | AGLOM |
| 750 | 353735.827 | 4605340.968 | 699.529 | AGLOM |
| 751 | 353734.920 | 4605340.410 | 699.531 | AGLOM |
| 752 | 353734.445 | 4605339.460 | 699.521 | AGLOM |
| 753 | 353730.640 | 4605340.515 | 699.450 | AGLOM |
| 754 | 353725.581 | 4605325.866 | 699.421 | AGLOM |
| 755 | 353729.431 | 4605324.610 | 699.443 | AGLOM |
| 756 | 353730.408 | 4605324.208 | 699.492 | PUERTA |
| 757 | 353729.902 | 4605322.673 | 699.500 | PUERTA |
| 758 | 353726.845 | 4605313.643 | 699.460 | MURO |
| 759 | 353718.376 | 4605304.855 | 699.318 | AGLOM |
| 760 | 353722.428 | 4605303.619 | 699.332 | AGLOM |
| 761 | 353723.448 | 4605303.375 | 699.411 | PUERTA |
| 762 | 353722.939 | 4605301.830 | 699.410 | PUERTA |
| 763 | 353719.028 | 4605290.237 | 699.447 | MURO |
| 764 | 353716.109 | 4605283.197 | 699.468 | FAROLA |
| 765 | 353711.778 | 4605285.147 | 699.352 | AGLOM |
| 766 | 353707.197 | 4605271.124 | 699.440 | AGLOM |
| 767 | 353703.104 | 4605258.560 | 699.543 | AGLOM |
| 768 | 353696.485 | 4605242.359 | 699.724 | AGLOM |
| 769 | 353711.039 | 4605269.512 | 699.483 | AGLOM |
| 770 | 353711.963 | 4605269.147 | 699.558 | PUERTA |
| 771 | 353711.649 | 4605268.168 | 699.572 | PUERTA |
| 772 | 353709.666 | 4605262.109 | 699.635 | MURO |
| 773 | 353706.214 | 4605255.061 | 699.633 | AGLOM |
| 774 | 353704.403 | 4605246.393 | 699.779 | MURO |
| 775 | 353701.659 | 4605242.044 | 699.757 | AGLOM |
| 776 | 353697.291 | 4605235.340 | 699.829 | AGLOM |
| 777 | 353694.098 | 4605231.037 | 699.862 | AGLOM |
| 778 | 353701.193 | 4605236.811 | 699.876 | PUERTA |
| 779 | 353700.087 | 4605233.757 | 699.899 | PUERTA |
| 780 | 353697.884 | 4605227.710 | 700.054 | MURO |
| 781 | 353700.845 | 4605258.308 | 699.406 | VIA |
| 782 | 353708.612 | 4605280.807 | 699.269 | VIA |
| 783 | 353715.075 | 4605300.190 | 699.385 | RELL |
| 784 | 353722.015 | 4605320.485 | 699.265 | VIA |
| 785 | 353728.286 | 4605337.253 | 699.401 | VIA |
| 786 | 353736.350 | 4605360.739 | 699.445 | VIA |
| 787 | 353742.120 | 4605378.117 | 699.298 | VIA |
| 788 | 353748.226 | 4605395.988 | 699.366 | VIA |
| 789 | 353752.689 | 4605409.369 | 699.376 | VIA |
| 790 | 353758.460 | 4605425.808 | 699.342 | VIA |

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|---|---|---|---|---|
| 791 | 353735.019 | 4605438.048 | 699.631 | SIFON |
| 792 | 353760.557 | 4605432.006 | 699.419 | SIFON |
| 793 | 353763.038 | 4605439.710 | 699.366 | VIA I |
| 794 | 353736.478 | 4605448.575 | 700.015 | MURO |
| 795 | 353738.282 | 4605447.914 | 699.546 | PT |
| 796 | 353730.688 | 4605430.862 | 699.881 | MURO |
| 797 | 353726.459 | 4605418.003 | 699.957 | MURO |
| 798 | 353724.226 | 4605418.756 | 699.995 | MURO |
| 799 | 353726.892 | 4605417.597 | 699.442 | PT |
| 800 | 353722.575 | 4605405.829 | 699.274 | PT |
| 801 | 353720.142 | 4605406.590 | 699.529 | MURO |
| 802 | 353715.172 | 4605390.307 | 699.540 | PT |
| 803 | 353710.451 | 4605376.033 | 699.483 | PT |
| 804 | 353704.449 | 4605358.385 | 699.414 | PT |
| 805 | 353696.651 | 4605336.487 | 699.409 | PT |
| 806 | 353697.349 | 4605324.548 | 699.236 | ARQ |
| 807 | 353698.666 | 4605325.410 | 699.236 | ARQ |
| 808 | 353696.119 | 4605324.531 | 699.291 | PT |
| 809 | 353695.297 | 4605324.780 | 699.269 | MURO |
| 810 | 353693.108 | 4605315.774 | 699.228 | PT |
| 811 | 353692.238 | 4605315.974 | 699.366 | MURO |
| 812 | 353685.066 | 4605295.166 | 699.194 | MURO |
| 813 | 353685.875 | 4605295.011 | 699.082 | PT |
| 814 | 353680.823 | 4605281.245 | 699.080 | MURO |
| 815 | 353680.246 | 4605281.428 | 699.125 | MURO |
| 816 | 353673.445 | 4605261.786 | 699.419 | MURO |
| 817 | 353673.941 | 4605261.616 | 699.202 | MURO |
| 818 | 353869.325 | 4605756.973 | 699.031 | SIFON |
| 819 | 353885.141 | 4605801.221 | 699.433 | SIFON |
| 820 | 353858.648 | 4605726.258 | 699.022 | AGLOM |
| 821 | 353692.800 | 4605229.126 | 699.870 | AGLOM |
| 822 | 353693.909 | 4605229.007 | 699.924 | MURO |
| 823 | 353689.842 | 4605220.215 | 699.902 | AGLOM |
| 824 | 353690.827 | 4605219.891 | 699.960 | PUERTA |
| 825 | 353689.990 | 4605217.361 | 699.953 | PUERTA |
| 826 | 353686.198 | 4605209.345 | 699.962 | AGLOM |
| 827 | 353687.277 | 4605209.104 | 700.029 | MURO |
| 828 | 353685.639 | 4605204.747 | 700.063 | FAROLA |
| 829 | 353681.983 | 4605196.616 | 700.034 | AGLOM |
| 830 | 353682.989 | 4605196.326 | 700.115 | PUERTA |
| 831 | 353681.719 | 4605192.592 | 700.132 | PUERTA |
| 832 | 353678.251 | 4605182.267 | 700.318 | PUERTA |
| 833 | 353677.293 | 4605179.310 | 700.346 | PUERTA |
| 834 | 353676.014 | 4605178.792 | 700.301 | AGLOM |
| 835 | 353676.952 | 4605178.233 | 700.347 | PUERTA |
| 836 | 353676.733 | 4605177.685 | 700.469 | PUERTA |
| 837 | 353676.584 | 4605177.133 | 700.344 | PUERTA |
| 838 | 353675.035 | 4605172.991 | 700.370 | FAROLA |
| 839 | 353674.699 | 4605171.578 | 700.359 | PUERTA |
| 840 | 353674.497 | 4605171.042 | 700.453 | PUERTA |
| 841 | 353673.310 | 4605170.783 | 700.293 | AGLOM |
| 842 | 353674.371 | 4605170.515 | 700.359 | PUERTA |
| 843 | 353672.030 | 4605167.031 | 700.284 | AGLOM |
| 844 | 353673.106 | 4605166.798 | 700.349 | PUERTA |
| 845 | 353669.805 | 4605160.381 | 700.245 | AGLOM |
| 846 | 353670.789 | 4605160.022 | 700.322 | PUERTA |
| 847 | 353665.989 | 4605149.004 | 700.141 | AGLOM |
| 848 | 353667.017 | 4605148.623 | 700.214 | MURO |
| 849 | 353661.855 | 4605136.681 | 700.046 | AGLOM |
| 850 | 353662.901 | 4605136.419 | 700.128 | MURO |
| 851 | 353659.116 | 4605128.578 | 700.032 | AGLOM |
| 852 | 353660.029 | 4605128.022 | 700.053 | MURO |
| 853 | 353660.094 | 4605128.213 | 700.058 | MURO |
| 854 | 353660.145 | 4605128.007 | 699.979 | MURO |
| 855 | 353662.507 | 4605127.693 | 699.909 | MURO |
| 856 | 353659.011 | 4605128.145 | 700.029 | AGLOM |
| 857 | 353659.280 | 4605127.334 | 699.974 | AGLOM |
| 858 | 353660.292 | 4605127.012 | 699.928 | AGLOM |
| 859 | 353662.200 | 4605126.729 | 699.880 | AGLOM |
| 860 | 353656.027 | 4605123.570 | 699.962 | AGLOM |
| 861 | 353657.308 | 4605123.958 | 699.957 | AGLOM |
| 862 | 353661.226 | 4605123.358 | 699.902 | AGLOM I |
| 863 | 353662.028 | 4605121.871 | 700.017 | MURO |
| 864 | 353659.185 | 4605122.310 | 700.025 | PUERTA |
| 865 | 353657.968 | 4605122.498 | 700.030 | PUERTA |
| 866 | 353655.583 | 4605122.866 | 699.995 | ptos |
| 867 | 353613.703 | 4605086.830 | 699.867 | MURO |
| 868 | 353614.878 | 4605086.447 | 699.396 | PT |
| 869 | 353621.170 | 4605106.103 | 699.568 | MURO |
| 870 | 353620.735 | 4605106.263 | 700.044 | MURO |
| 871 | 353621.116 | 4605107.406 | 700.325 | MURO |
| 872 | 353624.665 | 4605118.911 | 700.428 | MURO |
| 873 | 353624.989 | 4605119.678 | 700.005 | MURO |
| 874 | 353628.779 | 4605131.439 | 699.825 | MURO I |
| 875 | 353629.579 | 4605131.276 | 699.636 | PT |
| 876 | 353634.804 | 4605147.823 | 699.635 | PT I |
| 877 | 353634.463 | 4605148.207 | 699.785 | MURO |
| 878 | 353634.487 | 4605148.275 | 699.732 | MURO |
| 879 | 353630.381 | 4605148.945 | 699.722 | MURO I |
| 880 | 353630.403 | 4605151.003 | 699.607 | AGLOM |
| 881 | 353631.953 | 4605150.742 | 699.613 | AGLOM I |
| 882 | 353635.605 | 4605151.325 | 699.851 | SIFON |
| 883 | 353632.383 | 4605154.004 | 699.743 | TAPA SAN |
| 884 | 353632.267 | 4605153.371 | 699.738 | TAPA SAN |
| 885 | 353634.302 | 4605152.981 | 699.731 | TAPA SAN |
| 886 | 353634.432 | 4605153.588 | 699.736 | TAPA SAN |
| 887 | 353636.169 | 4605156.098 | 699.640 | AGLOM |
| 888 | 353632.217 | 4605156.710 | 699.620 | AGLOM I |
| 889 | 353632.511 | 4605158.662 | 699.741 | MURO |
| 890 | 353637.867 | 4605157.683 | 699.746 | MURO |
| 891 | 353638.183 | 4605158.907 | 699.793 | MURO I |
| 892 | 353638.686 | 4605158.550 | 699.409 | PT |
| 893 | 353642.924 | 4605170.941 | 699.452 | PT |
| 894 | 353642.464 | 4605171.436 | 699.723 | MURO |
| 895 | 353653.997 | 4605204.762 | 699.712 | MURO |
| 896 | 353654.480 | 4605204.727 | 699.275 | MURO |
| 897 | 353664.124 | 4605232.356 | 699.252 | MURO |
| 898 | 353663.456 | 4605232.542 | 699.947 | MURO |
| 899 | 353669.745 | 4605248.356 | 699.289 | PT I |
| 900 | 353668.905 | 4605248.560 | 699.524 | MURO |
| 901 | 353694.414 | 4605239.388 | 699.713 | AGLOM |
| 902 | 353689.557 | 4605225.253 | 699.880 | AGLOM |
| 903 | 353683.900 | 4605208.807 | 699.967 | AGLOM |
| 904 | 353678.704 | 4605193.472 | 700.056 | AGLOM |

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|---|---|---|---|---|
| 905 | 353672.764 | 4605176.047 | 700.257 | AGLOM |
| 906 | 353666.548 | 4605157.735 | 700.198 | AGLOM |
| 907 | 353660.499 | 4605139.691 | 700.096 | AGLOM |
| 908 | 353654.910 | 4605123.399 | 699.995 | AGLOM |
| 909 | 353655.532 | 4605122.711 | 700.077 | ptos |
| 910 | 353650.366 | 4605107.021 | 700.000 | ptos |
| 911 | 353644.151 | 4605088.255 | 700.007 | ptos |
| 912 | 353890.961 | 4605797.867 | 699.231 | RELL |
| 913 | 353883.874 | 4605798.106 | 699.269 | RELL |
| 914 | 353872.953 | 4605783.815 | 699.238 | RELL |
| 915 | 353878.824 | 4605780.944 | 699.094 | RELL |
| 916 | 353869.903 | 4605758.053 | 699.049 | RELL |
| 917 | 353861.830 | 4605760.025 | 699.084 | RELL |
| 918 | 353852.695 | 4605763.787 | 699.180 | RELL |
| 919 | 353830.439 | 4605751.191 | 699.193 | CT C |
| 920 | 353839.646 | 4605747.163 | 699.194 | CT |
| 921 | 353840.091 | 4605746.389 | 699.185 | CT |
| 922 | 353836.650 | 4605738.263 | 699.183 | CT |
| 923 | 353835.146 | 4605737.004 | 699.200 | CT |
| 924 | 353832.003 | 4605738.440 | 699.176 | CT |
| 925 | 353826.357 | 4605725.748 | 699.181 | CT |
| 926 | 353820.981 | 4605727.739 | 699.092 | CT |
| 927 | 353826.873 | 4605740.893 | 699.144 | CT |
| 928 | 353826.221 | 4605741.199 | 699.176 | CT I |
| 929 | 353826.009 | 4605741.634 | 699.038 | RELL |
| 930 | 353837.599 | 4605736.012 | 699.127 | RELL |
| 931 | 353844.993 | 4605733.384 | 699.112 | CT |
| 932 | 353845.729 | 4605733.083 | 699.069 | PT |
| 933 | 353852.265 | 4605730.235 | 699.045 | RELL |
| 934 | 353858.411 | 4605728.371 | 698.979 | VIA |
| 935 | 353858.686 | 4605728.234 | 698.982 | VIA |
| 936 | 353851.199 | 4605704.945 | 698.990 | AGLOM |
| 937 | 353831.451 | 4605711.466 | 699.197 | RELL |
| 938 | 353824.571 | 4605713.710 | 699.218 | RELL |
| 939 | 353816.025 | 4605716.341 | 698.978 | RELL |
| 940 | 353811.858 | 4605693.938 | 699.103 | RELL |
| 941 | 353822.096 | 4605689.802 | 699.150 | RELL |
| 942 | 353843.632 | 4605681.875 | 699.146 | RELL |
| 943 | 353835.939 | 4605659.437 | 699.332 | AGLOM |
| 944 | 353811.510 | 4605666.660 | 699.125 | RELL |
| 945 | 353800.235 | 4605670.023 | 699.111 | RELL |
| 946 | 353801.556 | 4605709.249 | 699.048 | PT |
| 947 | 353801.497 | 4605707.898 | 698.964 | PT |
| 948 | 353800.268 | 4605709.758 | 698.939 | PT |
| 949 | 353799.863 | 4605708.962 | 699.463 | CT |
| 950 | 353797.793 | 4605699.187 | 698.765 | PT |
| 951 | 353795.881 | 4605700.103 | 699.409 | CT |
| 952 | 353792.074 | 4605691.523 | 699.386 | CT |
| 953 | 353793.668 | 4605689.374 | 698.762 | PT |
| 954 | 353788.059 | 4605677.883 | 698.762 | PT |
| 955 | 353786.120 | 4605678.529 | 699.370 | CT |
| 956 | 353783.508 | 4605667.741 | 698.718 | PT |
| 957 | 353781.674 | 4605668.284 | 699.473 | CT |
| 958 | 353780.412 | 4605660.261 | 698.760 | PT I |
| 959 | 353776.052 | 4605655.654 | 699.452 | CT I |
| 960 | 353774.110 | 4605657.837 | 698.904 | PT |
| 961 | 353780.141 | 4605669.956 | 698.788 | PT |
| 962 | 353785.820 | 4605682.656 | 698.762 | PT |
| 963 | 353793.928 | 4605699.911 | 698.799 | PT |
| 964 | 353798.171 | 4605708.476 | 698.900 | PT I |
| 965 | 353767.828 | 4605664.575 | 698.891 | AGLOM |
| 966 | 353772.582 | 4605656.465 | 698.846 | AGLOM |
| 967 | 353783.629 | 4605680.453 | 698.913 | AGLOM |
| 968 | 353776.362 | 4605683.991 | 698.924 | AGLOM |
| 969 | 353786.989 | 4605705.842 | 698.995 | AGLOM |
| 970 | 353794.590 | 4605702.820 | 698.895 | AGLOM |
| 971 | 353808.693 | 4605726.576 | 698.779 | AGLOM |
| 972 | 353802.140 | 4605731.002 | 699.020 | AGLOM |
| 973 | 353815.822 | 4605749.417 | 699.045 | AGLOM |
| 974 | 353821.978 | 4605744.721 | 698.906 | AGLOM |
| 975 | 353837.383 | 4605761.702 | 699.091 | AGLOM |
| 976 | 353832.404 | 4605767.797 | 699.207 | AGLOM |
| 977 | 353847.031 | 4605781.669 | 699.353 | AGLOM |
| 978 | 353854.751 | 4605778.130 | 699.300 | AGLOM |
| 979 | 353867.974 | 4605789.969 | 699.467 | AGLOM |
| 980 | 353862.978 | 4605795.847 | 699.510 | AGLOM |
| 981 | 353878.365 | 4605809.372 | 699.660 | AGLOM |
| 982 | 353883.491 | 4605803.474 | 699.617 | AGLOM |
| 983 | 353898.889 | 4605816.968 | 699.671 | AGLOM |
| 984 | 353894.125 | 4605823.222 | 699.684 | AGLOM |
| 985 | 353907.168 | 4605834.963 | 699.743 | AGLOM |
| 986 | 353918.990 | 4605845.283 | 699.609 | AGLOM |
| 987 | 353906.464 | 4605821.655 | 699.498 | AGLOM |
| 988 | 353906.127 | 4605819.145 | 699.459 | AGLOM |
| 989 | 353900.802 | 4605806.105 | 699.323 | AGLOM |
| 990 | 353896.381 | 4605796.747 | 699.271 | AGLOM |
| 991 | 353891.359 | 4605787.082 | 699.248 | AGLOM |
| 992 | 353885.222 | 4605776.074 | 699.197 | AGLOM |
| 993 | 353880.106 | 4605767.447 | 699.109 | AGLOM |
| 994 | 353874.427 | 4605757.204 | 699.049 | AGLOM |
| 995 | 353868.148 | 4605746.678 | 699.045 | AGLOM I |
| 996 | 353915.657 | 4605822.535 | 699.712 | MURO |
| 997 | 353914.746 | 4605823.188 | 699.620 | AGLOM |
| 998 | 353907.429 | 4605809.069 | 699.507 | AGLOM |
| 999 | 353908.379 | 4605808.564 | 699.568 | MURO |
| 1000 | 353902.520 | 4605797.234 | 699.495 | MURO |
| 1001 | 353901.382 | 4605797.390 | 699.428 | AGLOM |
| 1002 | 353896.188 | 4605787.327 | 699.370 | AGLOM |
| 1003 | 353897.267 | 4605787.054 | 699.420 | MURO |
| 1004 | 353882.574 | 4605785.850 | 699.284 | ARBOL |
| 1005 | 353883.676 | 4605785.281 | 699.346 | ARBOL |
| 1006 | 353882.975 | 4605784.994 | 699.247 | ARBOL |
| 1007 | 353893.110 | 4605780.304 | 699.378 | FAROLA |
| 1008 | 353889.363 | 4605772.475 | 699.348 | MURO |
| 1009 | 353888.359 | 4605772.974 | 699.284 | AGLOM |
| 1010 | 353883.896 | 4605765.234 | 699.236 | AGLOM |
| 1011 | 353884.807 | 4605764.582 | 699.288 | PUERTA |
| 1012 | 353881.807 | 4605761.624 | 699.178 | AGLOM |
| 1013 | 353882.763 | 4605761.042 | 699.265 | PUERTA |
| 1014 | 353878.504 | 4605753.663 | 699.216 | MURO |
| 1015 | 353877.289 | 4605753.800 | 699.147 | AGLOM |
| 1016 | 353872.259 | 4605745.048 | 699.146 | AGLOM |
| 1017 | 353873.237 | 4605744.529 | 699.190 | MURO |
| 1018 | 353869.316 | 4605737.661 | 699.183 | MURO |

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|---|---|---|---|---|
| 1019 | 353868.396 | 4605738.374 | 699.116 | AGLOM |
| 1020 | 353867.962 | 4605737.106 | 699.113 | AGLOM |
| 1021 | 353868.273 | 4605735.836 | 699.111 | AGLOM |
| 1022 | 353869.177 | 4605734.917 | 699.123 | AGLOM |
| 1023 | 353874.082 | 4605734.974 | 699.270 | MURO |
| 1024 | 353873.050 | 4605732.755 | 699.184 | AGLOM |
| 1025 | 353871.934 | 4605730.486 | 699.255 | RELL |
| 1026 | 353867.273 | 4605733.239 | 699.163 | RELL |
| 1027 | 353867.363 | 4605727.504 | 699.212 | MURO |
| 1028 | 353869.143 | 4605729.296 | 699.149 | AGLOM |
| 1029 | 353866.073 | 4605730.994 | 699.118 | AGLOM |
| 1030 | 353865.027 | 4605731.168 | 699.092 | AGLOM |
| 1031 | 353864.059 | 4605730.586 | 699.077 | AGLOM |
| 1032 | 353864.441 | 4605729.041 | 699.161 | MURO |
| 1033 | 353859.042 | 4605712.714 | 699.072 | MURO |
| 1034 | 353857.933 | 4605713.128 | 699.010 | AGLOM |
| 1035 | 353853.091 | 4605698.478 | 699.072 | AGLOM |
| 1036 | 353854.272 | 4605698.064 | 699.144 | MURO |
| 1037 | 353851.233 | 4605688.843 | 699.210 | MURO |
| 1038 | 353850.033 | 4605689.242 | 699.140 | AGLOM |
| 1039 | 353847.596 | 4605680.382 | 699.271 | FAROLA |
| 1040 | 353847.873 | 4605678.459 | 699.300 | MURO |
| 1041 | 353845.859 | 4605676.543 | 699.262 | AGLOM |
| 1042 | 353842.243 | 4605665.584 | 699.346 | AGLOM |
| 1043 | 353843.545 | 4605665.274 | 699.434 | MURO |
| 1044 | 353840.084 | 4605655.186 | 699.572 | FAROLA |
| 1045 | 353839.026 | 4605655.839 | 699.436 | AGLOM |

## *Puntos nuevos en ETRS890*

| | | | |
|---|---|---|---|
| 1 | 353717.811 | 4605517.917 | 698.798 |
| 2 | 353806.758 | 4605570.909 | 700.069 psan-370 |
| 3 | 353779.041 | 4605580.281 | 699.776 psan-350 |
| 4 | 353710.024 | 4605502.077 | 698.778 |
| 5 | 353714.696 | 4605506.274 | 698.664 |
| 6 | 353716.164 | 4605504.850 | 698.662 |
| 7 | 353720.473 | 4605521.026 | 698.728 |
| 8 | 353716.602 | 4605515.750 | 698.791 |
| 9 | 353713.504 | 4605501.023 | 698.674 |
| 10 | 353815.983 | 4605731.060 | 698.946 2-110 |
| 11 | 353805.425 | 4605716.930 | 698.851 2-110 |
| 12 | 353826.073 | 4605723.816 | 698.759 40-40 |
| 13 | 353826.602 | 4605723.609 | 698.733 40-40 |
| 14 | 353827.038 | 4605723.325 | 698.836 40-40 |
| 15 | 353824.426 | 4605726.037 | 698.866 40-40 |
| 16 | 353828.180 | 4605747.514 | 698.987 2-110 |
| 17 | 353837.332 | 4605748.302 | 699.110 40-40 |
| 18 | 353838.494 | 4605761.285 | 698.985 2-160 |
| 19 | 353839.844 | 4605760.149 | 698.935 2-110 |
| 20 | 353859.825 | 4605778.555 | 699.311 2-110 |
| 21 | 353881.463 | 4605797.324 | 699.294 2-110 |
| 22 | 353890.418 | 4605805.284 | 699.318 2-110 |
| 23 | 353905.131 | 4605817.697 | 699.527 2-110 |
| 24 | 353832.244 | 4605735.065 | 699.853 sifon800 |
| 25 | 353858.650 | 4605726.267 | 699.055 sifon800 |
| 26 | 353885.216 | 4605801.292 | 699.653 sifon |
| 27 | 353842.945 | 4605765.867 | 699.210 sifon800 |
| 28 | 353869.336 | 4605756.952 | 699.060 sifon |
| 29 | 353831.928 | 4605768.203 | 698.981 2-160 |
| 30 | 353811.578 | 4605727.650 | 698.658 psan-190 |
| 31 | 353822.821 | 4605705.424 | 699.012 40-40 |
| 32 | 353801.353 | 4605676.329 | 699.077 cubas |
| 33 | 353796.045 | 4605678.081 | 699.030 cubas |
| 34 | 353794.209 | 4605672.882 | 699.058 cubas |
| 35 | 353797.804 | 4605670.115 | 699.108 cubas |
| 36 | 353808.617 | 4605664.377 | 699.137 40-40 |
| 37 | 353798.703 | 4605657.027 | 699.180 bascula |
| 38 | 353795.352 | 4605658.317 | 699.095 bascula |
| 39 | 353795.999 | 4605649.183 | 699.037 bascula |
| 40 | 353798.230 | 4605648.153 | 699.126 bascula |
| 41 | 353794.937 | 4605639.883 | 699.133 bascula |
| 42 | 353792.542 | 4605640.770 | 698.993 bascula |
| 43 | 353790.970 | 4605638.230 | 699.069 bascula |
| 44 | 353787.520 | 4605639.589 | 699.087 bascula |
| 45 | 353793.765 | 4605620.771 | 699.093 40-40 |
| 46 | 353786.318 | 4605602.841 | 699.305 psan-280 |
| 47 | 353778.514 | 4605583.297 | 699.793 pabas |
| 48 | 353748.698 | 4605588.889 | 698.928 40-40 |
| 49 | 353753.317 | 4605590.813 | 698.940 pabas |
| 50 | 353750.919 | 4605587.046 | 699.009 vici |
| 51 | 353750.935 | 4605587.045 | 699.010 arbol140 |
| 52 | 353749.603 | 4605587.651 | 698.993 vici |
| 53 | 353756.317 | 4605599.233 | 699.037 vici |
| 54 | 353754.868 | 4605599.541 | 699.030 vici |
| 55 | 353748.962 | 4605582.568 | 698.987 arbol140 |
| 56 | 353746.848 | 4605577.824 | 698.996 arbol140 |
| 57 | 353745.647 | 4605578.782 | 698.990 vici |
| 58 | 353744.774 | 4605573.453 | 699.043 arbol140 |
| 59 | 353743.015 | 4605569.105 | 698.994 arbol140 |
| 60 | 353740.796 | 4605564.159 | 699.023 arbol140 |
| 61 | 353738.177 | 4605561.766 | 698.994 vici |
| 62 | 353739.495 | 4605561.222 | 699.015 vici |
| 63 | 353738.670 | 4605559.824 | 699.010 arbol140 |
| 64 | 353733.919 | 4605555.467 | 698.968 arbol |
| 65 | 353731.189 | 4605556.080 | 698.870 arbol |
| 66 | 353731.714 | 4605558.633 | 698.852 arbol |
| 67 | 353732.211 | 4605558.729 | 698.947 pabas |
| 68 | 353732.595 | 4605552.279 | 698.938 horm |
| 69 | 353732.583 | 4605552.287 | 698.934 horm |
| 70 | 353728.337 | 4605554.183 | 698.936 horm |
| 71 | 353728.304 | 4605554.188 | 698.930 horm |
| 72 | 353727.506 | 4605548.893 | 698.974 arbol |
| 73 | 353731.635 | 4605549.787 | 698.941 arbol |
| 74 | 353729.282 | 4605545.840 | 701.025 arbol |
| 75 | 353729.177 | 4605545.657 | 698.882 arbol |
| 76 | 353729.096 | 4605545.377 | 698.913 arbol |
| 77 | 353729.310 | 4605541.772 | 698.851 arbol |
| 78 | 353726.031 | 4605540.859 | 698.901 arbol |
| 79 | 353725.998 | 4605540.832 | 699.034 arbol |
| 80 | 353725.980 | 4605541.252 | 699.834 arbol |
| 81 | 353725.773 | 4605540.944 | 700.152 arbol |
| 82 | 353725.540 | 4605544.270 | 698.977 arbol |
| 83 | 353723.818 | 4605539.313 | 698.978 arbol |
| 84 | 353725.940 | 4605537.020 | 698.955 arbol |
| 85 | 353724.638 | 4605534.558 | 698.922 horm |
| 86 | 353724.750 | 4605534.593 | 698.923 horm |
| 87 | 353720.763 | 4605536.421 | 698.955 horm |
| 88 | 353720.459 | 4605537.089 | 698.950 horm |
| 89 | 353719.274 | 4605528.948 | 698.844 psan-290 |
| 90 | 353719.131 | 4605528.699 | 698.830 psan-290 |
| 91 | 353719.434 | 4605529.174 | 698.841 psan-290 |
| 92 | 353719.563 | 4605528.701 | 698.841 psan-260 |
| 93 | 353725.958 | 4605533.697 | 698.952 farola |
| 94 | 353726.416 | 4605534.596 | 698.938 farola |
| 95 | 353725.533 | 4605535.098 | 698.930 farola |
| 96 | 353725.031 | 4605534.240 | 698.924 farola |
| 97 | 353734.013 | 4605526.838 | 698.954 farola |
| 98 | 353728.257 | 4605530.175 | 698.832 iber7070 |
| 99 | 353724.928 | 4605531.053 | 698.823 contador5050 |
| 100 | 353730.792 | 4605528.850 | 698.796 contador5050 |
| 101 | 353735.173 | 4605513.658 | 699.053 psan-260 |
| 102 | 353732.121 | 4605514.585 | 698.963 dedif |
| 103 | 353731.628 | 4605516.862 | 698.815 dedif |
| 104 | 353728.313 | 4605519.021 | 698.721 dedif |
| 105 | 353727.714 | 4605518.419 | 698.788 bord |
| 106 | 353723.187 | 4605520.570 | 698.715 bord |
| 107 | 353721.908 | 4605521.394 | 698.653 bord |
| 108 | 353720.623 | 4605521.129 | 698.724 bord |
| 109 | 353726.042 | 4605493.926 | 698.895 edif2m |
| 110 | 353720.038 | 4605470.201 | 699.259 6-160 |
| 111 | 353720.775 | 4605468.481 | 699.363 6-160 |

| | | | |
|---|---|---|---|
| 112 | 353719.579 | 4605468.706 | 699.486 arq |
| 113 | 353718.902 | 4605475.017 | 699.309 tm |
| 114 | 353719.107 | 4605475.829 | 699.145 tm |
| 115 | 353718.229 | 4605476.078 | 699.027 tm |
| 116 | 353719.479 | 4605477.398 | 699.192 pluz1m |
| 117 | 353735.067 | 4605437.954 | 699.788 sifon800 |
| 118 | 353760.524 | 4605431.949 | 699.401 sifon |
| 119 | 353661.921 | 4605143.613 | 700.168 sifon |
| 120 | 353635.760 | 4605151.033 | 699.704 sifon |
| 121 | 353632.061 | 4605153.689 | 699.834 psan-198 |
| 122 | 353632.080 | 4605153.673 | 699.827 psan-198 |
| 123 | 353634.420 | 4605153.262 | 699.710 pdescarga |
| 124 | 353740.419 | 4605508.671 | 699.107 farola |
| 125 | 353759.348 | 4605502.221 | 699.431 farola |
| 126 | 353762.213 | 4605482.874 | 699.370 farola |
| 127 | 353764.725 | 4605460.861 | 699.382 farola |
| 128 | 353770.401 | 4605542.424 | 699.395 zanja |
| 129 | 353770.925 | 4605542.622 | 699.350 zanja |
| 130 | 353776.161 | 4605557.402 | 699.298 zanja |
| 131 | 353779.790 | 4605568.156 | 699.423 zanja |
| 132 | 353781.545 | 4605576.921 | 699.430 zanja |
| 133 | 353781.543 | 4605576.920 | 699.439 arq |
| 134 | 353780.360 | 4605578.130 | 699.465 arq |
| 135 | 353780.053 | 4605578.242 | 699.415 zanja |
| 136 | 353773.145 | 4605581.019 | 699.604 zanja |
| 137 | 353771.278 | 4605581.261 | 699.537 zanja |
| 138 | 353769.278 | 4605579.862 | 699.152 zanja |
| 139 | 353767.538 | 4605577.183 | 698.923 zanja |
| 140 | 353767.054 | 4605574.338 | 698.765 zanja |
| 141 | 353714.679 | 4605499.032 | 698.807 |
| 142 | 353721.272 | 4605508.669 | 698.791 |
| 143 | 353727.132 | 4605517.397 | 698.811 |
| 144 | 353725.921 | 4605515.175 | 698.910 |
| 145 | 353721.104 | 4605518.759 | 698.759 |
| 146 | 353719.479 | 4605516.475 | 698.801 |
| 147 | 353723.088 | 4605520.649 | 698.648 |
| 148 | 353722.781 | 4605516.891 | 698.732 |
| 149 | 353725.138 | 4605520.239 | 698.755 |
| 150 | 353725.946 | 4605530.475 | 698.821 |
| 151 | 353725.736 | 4605538.807 | 698.820 |
| 152 | 353727.571 | 4605543.332 | 698.941 |
| 153 | 353732.574 | 4605557.063 | 698.901 |
| 154 | 353734.662 | 4605561.797 | 699.230 |
| 155 | 353729.411 | 4605530.305 | 698.827 |

I

## 5. BASES DE REPLANTEO

Las reseñas con la descripción de cada una de las bases de replanteo utilizadas en los trabajos topográficos de ampliación realizados se adjuntan a continuación. En el plano de Topografía del documento Planos aparecen situadas las bases utilizadas.

# RESEÑA DE VERTICE

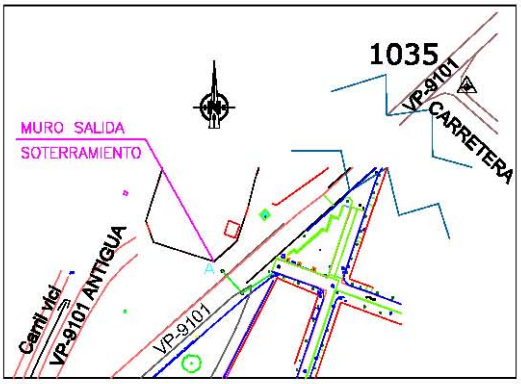
**VERTICE : 1035**

| HUSO | X | Y | Z | COEF. | |
|---|---|---|---|---|---|
| 30 | 354558.149 | 4606410.483 | 704.645 | | UTM-ETRS89 |

**PROYECTO :** URBANIZACION TUNEL PINAR DE ANTEQUERA
**ZONA :** PINAR DE ANTEQUERA
**PROVINCIA :** VALLADOLID

***FOTO DETALLE DE SITUACION***

***CROQUIS***




**REFERENCIAS :**

**A:** a 880 m del muro de salida del soterramiento.
**B:**
**C:**
***BASE DEL AYUNTAMIENTO, REPUESTA***

**SITUACIÓN :** EN LA INTERSECCION DE CARRETERAS.

**SEÑAL :** CLAVO COMERCIAL A RAS DE SUELO, REPUESTO DE HITO ANTERIOR.

# RESEÑA DE VERTICE

**VERTICE : BR5026**

| *HUSO* | *X* | *Y* | *Z* | *COEF.* | |
|---|---|---|---|---|---|
| 30 | 353386.167 | 4604200.928 | 700.105 | | UTM-ETRS89 |

**PROYECTO :** URBANIZACION TUNEL PINAR DE ANTEQUERA
**ZONA :** PINAR DE ANTEQUERA
**PROVINCIA :** VALLADOLID

***FOTO DETALLE DE SITUACION***

***CROQUIS***

**REFERENCIAS :**

**A:** a 719,35 m del muro de ENTRADA del soterramiento, dirección sur.
**B:**
**C:**
***BASE DEL FFCC***

**SITUACIÓN :** EN LA MARGEN DERECHA DEL FFCC DIRECCION VALLADOLID, SOBRE CIMENTACION ANTIGUA DE TORRE ELECTRICA.

**SEÑAL :** CLAVO COMERCIAL A RAS DE SUELO, CON PINTURA ROJA.

# RESEÑA DE VERTICE

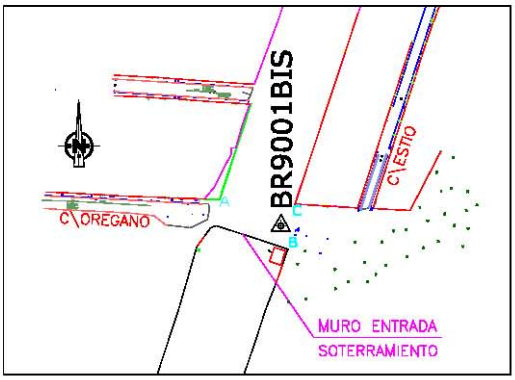
**VERTICE : BR9001BIS**

| *HUSO* | *X* | *Y* | *Z* | *COEF.* | |
|---|---|---|---|---|---|
| 30 | 353579.889 | 4604901.736 | 699.662 | | UTM-ETRS89 |

**PROYECTO :** URBANIZACION TUNEL PINAR DE ANTEQUERA
**ZONA :** PINAR DE ANTEQUERA
**PROVINCIA :** VALLADOLID

***FOTO DETALLE DE SITUACION***

***CROQUIS***




**REFERENCIAS :**

**A:** a 26,21 m de esquina de cerramiento.
**B:** a 9,62 m del muro de ENTRADA del soterramiento.
**C:** a 10,07 m de esquina de cerramiento.
***BASE DEL FFCC***

**SITUACIÓN :** EN LA MARGEN DERECHA DEL FFCC DIRECCION VALLADOLID, SOBRE CIMENTACION ANTIGUA DE MURO.

**SEÑAL :** CLAVO COMERCIAL A RAS DE SUELO, CON PINTURA ROJA.

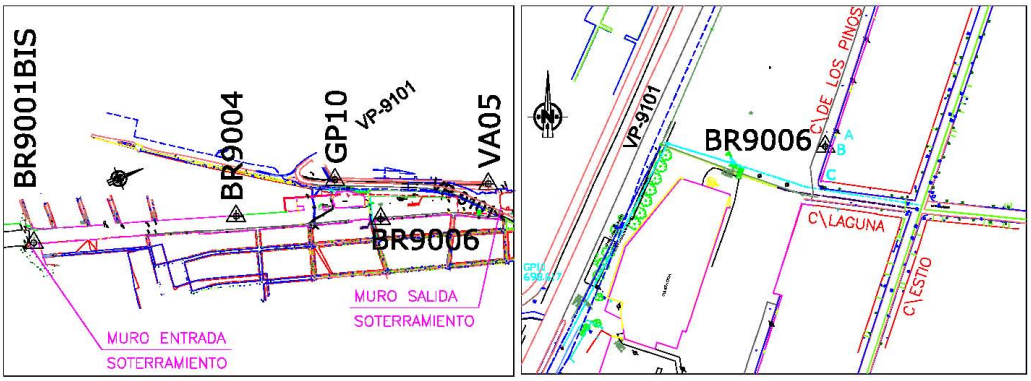
# RESEÑA DE VERTICE

**VERTICE : BR9006**

| *HUSO* | *X* | *Y* | *Z* | *COEF.* | |
|---|---|---|---|---|---|
| 30 | 353815.671 | 4605589.739 | 699.653 | | UTM-ETRS89 |

**PROYECTO :** URBANIZACION TUNEL PINAR DE ANTEQUERA
**ZONA :** PINAR DE ANTEQUERA
**PROVINCIA :** VALLADOLID

***FOTO DETALLE DE SITUACION*** ***CROQUIS***




**REFERENCIAS :**

**A:** a 7,44 m de farola
**B:** a 2,67 m del muro de cerramiento.
**C:** a 13,69 m de esquina de cerramiento.
***BASE DEL FFCC***

**SITUACIÓN :** EN LA MARGEN DERECHA DEL FFCC DIRECCION VALLADOLID, SOBRE SUELO DE CALLE.

**SEÑAL :** CLAVO COMERCIAL A RAS DE SUELO, CON PINTURA ROJA.

# RESEÑA DE VERTICE

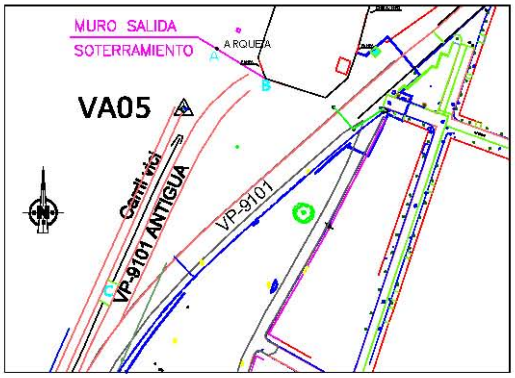
**VERTICE : VA05**

| *HUSO* | *X* | *Y* | *Z* | *COEF.* | |
|---|---|---|---|---|---|
| 30 | 353835.690 | 4605826.140 | 698.816 | | UTM-ETRS89 |

**PROYECTO :** URBANIZACION TUNEL PINAR DE ANTEQUERA
**ZONA :** PINAR DE ANTEQUERA
**PROVINCIA :** VALLADOLID

***FOTO DETALLE DE SITUACION***

***CROQUIS***




**REFERENCIAS :**

**A:** a 27,15 m de arqueta.
**B:** a 34,30 m del muro de SALIDA del soterramiento.
**C:** a 73,86 m del paso de hormigón entre carretera antigua y carril vici.
***BASE DEL AYUNTAMIENTO***

**SITUACIÓN :** EN LA MARGEN IZQUIERDA DEL FFCC DIRECCION VALLADOLID, AL FINAL DEL CARRIL VICI, EN EL BORDE DERECHO DIRECCION VALLADOLID.

**SEÑAL :** CLAVO COMERCIAL A RAS DE SUELO, CON PINTURA ROJA.

# RESEÑA DE VERTICE

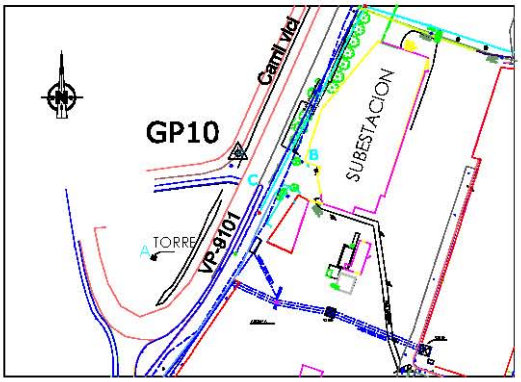
**VERTICE : GP10**

| HUSO | X | Y | Z | COEF. | |
|---|---|---|---|---|---|
| 30 | 353703.326 | 4605533.594 | 698.617 | | UTM-ETRS89 |

**PROYECTO :** URBANIZACION TUNEL PINAR DE ANTEQUERA
**ZONA :** PINAR DE ANTEQUERA
**PROVINCIA :** VALLADOLID

***FOTO DETALLE DE SITUACION***

***CROQUIS***




**REFERENCIAS :**

**A:** a 51,90 m de torre electrica.
**B:** a 26,50 m de esquina de cerramiento.
**C:** a 15,18 m de nariz circular de mediana de separación de carriles.
***BASE DEL AYUNTAMIENTO***

**SITUACIÓN :** EN LA MARGEN IZQUIERDA DEL FFCC DIRECCION VALLADOLID, EN EL BORDE DERECHO DIRECCION VALLADOLID DEL CARRIL VICI, JUNTO A PASO DE HORMIGON Y FRENTE S.E.T.

**SEÑAL :** CLAVO COMERCIAL A RAS DE SUELO, CON PINTURA AZUL.

# 6. ANEXO Nº 1. CALIBRACION DEL GPS

# Informe de calibracion GPS

***Directorio de Obra: \Flash Disk\PinarAntequera***

***Nombre del SCL: BUENO_UTM-ETRS89***

***Fichero de Ptos para SCL: \Flash Disk\PinarAntequera\bueno_utm-etrs89.dtm***

***DATUM: ETRS89***

***Proyeccion: UTM -- Huso: Automatico***

***Fecha: 01-31-2012***

## Contenido

Parametros del datum
Parametros de ajuste horizontal
Parametros de ajuste vertical
Diferencias residuales entre GPS y coordenadas conocidas

## Parametros del datum

| | |
|---|---|
| **Nombre:** | **ETRS89** |
| **SemiEje Mayor** | 6378137.000 |
| **Aplanamiento:** | 298.25722210 |
| **Traslacion a lo largo del eje x** | 0.000 |
| **Traslacion a lo largo del eje y** | 0.000 |
| **Traslacion a lo largo del eje z** | 0.000 |
| **Rotacion alrededor del eje x** | 0.000 |
| **Rotacion alrededor del eje y** | 0.000 |
| **Rotacion alrededor del eje z** | 0.000 |
| **Factor de escala (ppm)** | 0.000 |

Volver arriba

## Parametros de ajuste horizontal

| | |
|---|---|
| **Traslacion Este** | 0.046m |
| **Traslacion Norte** | -0.315m |
| **Escala+Giro en X** | 0.99999996 |
| **Escala+Giro en Y** | 0.00000004 |

Volver arriba

# Parametros de ajuste vertical

| | |
|---|---|
| **Translacion en Cota** | 54.769m |
| **Pendiente en X** | 0.00000031 |
| **Pendiente en Y** | -0.00000044 |

Volver arriba

# Diferencias residuales entre GPS y coordenadas Locales

## Residuales de punto

| Coord.G.P.S. | | Coord.Ajustadas | | Coord.Locales | |
|---|---|---|---|---|---|
| **Nombre** | **1035** | **Nombre** | **1035** | **Nombre** | **1035** |
| **Latitud** | 41Âº 35' 46.18682" N | **Coord.X** | 354558.149m | **Coord.X** | 354558.149m |
| **Longitud** | 4Âº 44' 42.52228" W | **Coord.Y** | 4606410.483m | **Coord.Y** | 4606410.483m |
| **Altitud** | 757.501 | **Coord.Z** | 704.645m | **Coord.Z** | 704.645m |
| **Coord.X** | 354558.320m | **Residuo X** | **0.000m** | **Control** | **Horz y Vert** |
| **Coord.Y** | 4606410.956m | **Residuo Y** | **0.000m** | | |
| **Coord.Z** | 757.501m | **Residuo Z** | **0.000m** | | |
| **Nombre** | **BR5026** | **Nombre** | **BR5026** | **Nombre** | **BR5026** |
| **Latitud** | 41Âº 34' 33.80142" N | **Coord.X** | 353386.167m | **Coord.X** | 353386.167m |
| **Longitud** | 4Âº 45' 31.18031" W | **Coord.Y** | 4604200.928m | **Coord.Y** | 4604200.928m |
| **Altitud** | 752.961 | **Coord.Z** | 700.105m | **Coord.Z** | 700.105m |
| **Coord.X** | 353386.337m | **Residuo X** | **0.000m** | **Control** | **Horz y Vert** |
| **Coord.Y** | 4604201.401m | **Residuo Y** | **0.000m** | | |
| **Coord.Z** | 752.961m | **Residuo Z** | **0.000m** | | |
| **Nombre** | **BR9001BIS** | **Nombre** | **BR9001BIS** | **Nombre** | **BR9001BIS** |
| **Latitud** | 41Âº 34' 56.64326" N | **Coord.X** | 353579.889m | **Coord.X** | 353579.889m |
| **Longitud** | 4Âº 45' 23.43426" W | **Coord.Y** | 4604901.736m | **Coord.Y** | 4604901.736m |
| **Altitud** | 752.518 | **Coord.Z** | 699.662m | **Coord.Z** | 699.662m |
| **Coord.X** | 353580.060m | **Residuo X** | **0.000m** | **Control** | **Horz y Vert** |
| **Coord.Y** | 4604902.209m | **Residuo Y** | **0.000m** | | |
| **Coord.Z** | 752.518m | **Residuo Z** | **0.000m** | | |
| **Nombre** | **BR9004** | **Nombre** | **BR9004** | **Nombre** | **BR9004** |
| **Latitud** | 41Âº 35' 10.06725" N | **Coord.X** | 353692.860m | **Coord.X** | 353692.860m |
| **Longitud** | 4Âº 45' 18.91925" W | **Coord.Y** | 4605313.617m | **Coord.Y** | 4605313.617m |
| **Altitud** | 752.139 | **Coord.Z** | 699.283m | **Coord.Z** | 699.283m |

14/02/12 Informe de calibracion GPS

| | | | | | |
|---|---|---|---|---|---|
| Coord.X | 353693.030m | Residuo X | 0.000m | Control | Horz y Vert |
| Coord.Y | 4605314.090m | Residuo Y | 0.000m | | |
| Coord.Z | 752.139m | Residuo Z | 0.000m | | |

| | | | | | |
|---|---|---|---|---|---|
| Nombre | BR9006 | Nombre | BR9006 | Nombre | BR9006 |
| Latitud | 41Âº 35' 19.09761" N | Coord.X | 353815.671m | Coord.X | 353815.671m |
| Longitud | 4Âº 45' 13.85974" W | Coord.Y | 4605589.739m | Coord.Y | 4605589.739m |
| Altitud | 752.509 | Coord.Z | 699.653m | Coord.Z | 699.653m |
| Coord.X | 353815.842m | Residuo X | 0.000m | Control | Horz y Vert |
| Coord.Y | 4605590.212m | Residuo Y | 0.000m | | |
| Coord.Z | 752.509m | Residuo Z | 0.000m | | |

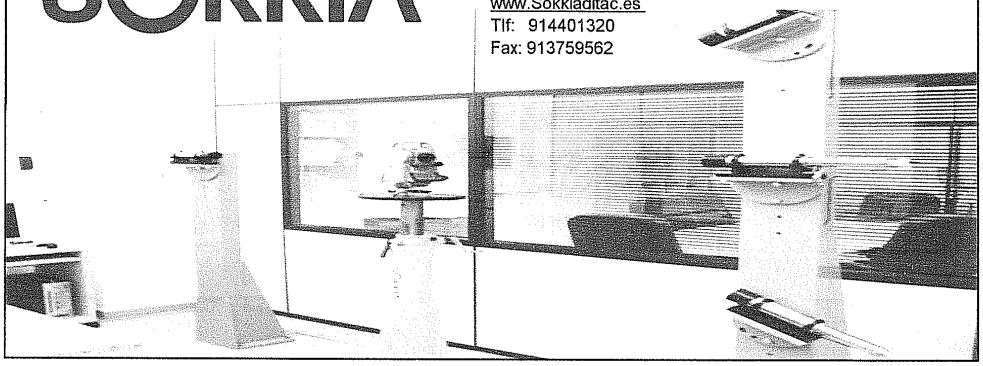
| | | | | | |
|---|---|---|---|---|---|
| Nombre | VA05 | Nombre | VA05 | Nombre | VA05 |
| Latitud | 41Âº 35' 26.77282" N | Coord.X | 353835.690m | Coord.X | 353835.690m |
| Longitud | 4Âº 45' 13.20292" W | Coord.Y | 4605826.140m | Coord.Y | 4605826.140m |
| Altitud | 751.672 | Coord.Z | 698.816m | Coord.Z | 698.816m |
| Coord.X | 353835.861m | Residuo X | 0.000m | Control | Horz y Vert |
| Coord.Y | 4605826.613m | Residuo Y | 0.000m | | |
| Coord.Z | 751.672m | Residuo Z | 0.000m | | |

| | | | | | |
|---|---|---|---|---|---|
| Nombre | GP10 | Nombre | GP10 | Nombre | GP10 |
| Latitud | 41Âº 35' 17.20385" N | Coord.X | 353703.326m | Coord.X | 353703.326m |
| Longitud | 4Âº 45' 18.66056" W | Coord.Y | 4605533.594m | Coord.Y | 4605533.594m |
| Altitud | 751.473 | Coord.Z | 698.617m | Coord.Z | 698.617m |
| Coord.X | 353703.497m | Residuo X | 0.000m | Control | Horz y Vert |
| Coord.Y | 4605534.067m | Residuo Y | 0.000m | | |
| Coord.Z | 751.473m | Residuo Z | 0.000m | | |

Volver arriba

# CERTIFICADO DE CALIBRACION

SOKKIA ESPAÑA
DITAC SOLUCIONES
C/ Albasanz, 14 bis-1ºE 28037 Madrid
www.Sokkiaditac.es
Tlf: 914401320
Fax: 913759562



| | |
|---|---|
| **Nº DE CERTIFICADO** | 11/895 |
| **OBJETO** | ESTACION TOTAL |
| **MARCA** | SOKKIA |
| **MODELO** | SET4110 |
| **NÚMERO DE SERIE** | 25712 |
| **CLIENTE** | JESUS ESTEBANEZ REDONDO |
| **FECHA DE CALIBRACIÓN** | 20/01/2011 |

*Firma autorizada*

*Angel Alvarez Nieto*
*Responsable Servicio Técnico*

*Fecha de emisión*

20/01/2011

La precisión de las medidas efectuadas se refiere a las condiciones en el momento de efectuarlas y en el mismo lugar de la calibración.
Este certificado no podrá ser reproducido parcialmente sin la aprobación por escrito del laboratorio que lo emite.

R.M. De Madrid, Tomo 22093, Libro 0, Folio 39, Sección 8,
Hoja: M-394081, Ins. 1 NIF B84567528 - VAT ES B84567528

# CERTIFICADO DE CALIBRACION

SOKKIA

SOKKIA ESPAÑA
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C/ Albasanz, 14 bis-1ºE 28037 Madrid
www.Sokkiaditac.es
Tlf: 914401320
Fax: 913759562

**PROCEDIMIENTO SEGUIDO:**

P. ESTACIONES TOTALES

**PATRON UTILIZADO:**

Colimador Sokkia CMS1-31 ( CM300 Nº 3220; CM300 Nº 3221; CM400 Nº 4169; CM500 Nº 5110 ) de 3 ejes, con certificado del CENTRO ESPAÑOL DE METROLOGÍA: CEM-C-100598001

INCERTIDUMBRE DE PATRONES DE MEDIDA +/- 0,5 mgon EXPRESADA PARA UN NIVEL DE CONFIANZA DEL 95% (k=2)(Angulos Hz).
INCERTIDUMBRE DE PATRONES DE MEDIDA +/- 0,4 mgon EXPRESADA PARA UN NIVEL DE CONFIANZA DEL 95% (k=2)(Angulos V).

**CONDICIONES AMBIENTALES:** **TEMPERATURA:** 23ºC **HUMEDAD:** 54%

DATOS TECNICOS:

*Aumentos:* x30

*Exactitud:*

| | |
|---|---|
| Circulo Horizontal | +/- 1,5 mgon |
| Circulo Vertical | +/- 1,5 mgon |
| Distancia | 2 mm +/- 2 ppm |

| ERROR DE ENTRADA |
|---|
| 1 |
| 4 |
| 2 |

| CALIBRACION |
|---|
| Circulo Hz (mgon) |
| Circulo V (mgon) |
| Distancia (mm.) |

| ERROR DE SALIDA |
|---|
| 0 |
| 0 |
| 2 |

| INCERTIDUMBRE (K=2) ( * ) |
|---|
| +/- 0,59 mgon |
| +/- 0,51 mgon |
| +/- 0,40 mm |

( * ) La incertidumbre expandida de medida se ha obtenido multiplicando la incertidumbre típica de medición por el factor de cobertura k=2 que, para una distribución normal corresponde a una probabilidad de cobertura de aproximadamente el 95%.La incertidumbre típica de medida se ha determinado conforme al documento EAL-R2.

*Firma autorizada*

*Fecha de emisión*

20/01/2011

*Angel Alvarez Nieto*
*Responsable Servicio Técnico*

La precisión de las medidas efectuadas se refiere a las condiciones en el momento de efectuarlas y en el mismo lugar de la calibración.
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SOKKIA

# CHECKING REPORT

Nr:- - - -

| | | | | | |
|---|---|---|---|---|---|
| Instrument Type | : | SET4110 | Operator | : | A.ALVAREZ SAL |
| Serial No. | : | 25712 | Date | : | 20/1/2011 11:01 AM |

## COLLIMATION TEST

| Measurements | | | Results | | |
|---|---|---|---|---|---|
| *Position* | *V angle* | *H angle* | | | |
| 1 - Al | 100-00-04 | 000-00-00 | Inclination error | : | 7 cc |
| 2 - Bl | 100-00-02 | 199-99-96 | Collimation error | : | 2 cc |
| 3 - Cl | 066-02-22 | 199-99-60 | H eccentricity | : | 6 cc |
| 4 - Dl | 133-04-60 | 200-00-04 | V eccentricity | : | -1 cc |
| 5 - Ar | 300-00-02 | 199-99-92 | V constant difference | : | 14 cc |
| 6 - Br | 300-00-06 | 000-00-00 | V zero point calculation | : | 4 cc |
| 7 - Cr | 333-98-00 | 399-99-62 | Compensator error (+3 min) | : | 24 cc |
| 8 - Dr | 266-95-62 | 399-99-92 | Compensator error (-3 min) | : | -18 cc |
| 9-Al+100H | 100-00-02 | 100-00-00 | Sight axis deviation (V) | : | -0,1 mm |
| 10-Bl+100H | 100-00-04 | 299-99-98 | Sight axis deviation (H) | : | -0,07 mm |
| 11-Ar+100H | 300-00-00 | 299-99-96 | | | |
| 12-Br+100H | 300-00-06 | 099-99-88 | | | |
| 13 - Al(3m) | 100-00-88 | 100-03-62 | | | |
| 14 - Ar(3m) | 299-99-56 | 300-03-28 | | | |
| 15-Al(+3min) | 099-99-78 | | | | |
| 16-Al(-3min) | 100-00-20 | | | | |

### Vertical Constant Data

| *Collimator* | *B* | *C* | *D* |
|---|---|---|---|
| r | 300-00-06 | 333-98-00 | 266-95-62 |
| l | 100-00-02 | 066-02-22 | 133-04-60 |
| r + l | 400-00-08 | 400-00-22 | 400-00-22 |

**Note**
**Instrument has been tested according to JIS No. 7909**

**Printed on: 20/01/2011**

**Operator Sign** _____