

Proyecto	Fichero		Fecha	Nº Revisión
BAIX	An-02 – Cartografía y Topografía.docx		30/11/22	4

ANEJO Nº 2.- CARTOGRAFÍA Y TOPOGRAFÍA

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1.- CARTOGRAFÍA

1.1.- OBJETO DE LOS TRABAJOS

El objeto de los trabajos ha sido el de la obtención de la Cartografía analítica a escala 1:1.000 para el desarrollo del “*Proyecto de Trazado y Construcción: Mejora de la accesibilidad entre las carreteras del entorno de la Baix Llobregat*” en Barcelona, de clave: 49-B-4620.

1.2.- INTRODUCCIÓN

Para la obtención de la Cartografía se ha procedido a la realización de un vuelo fotogramétrico y su posterior apoyo que cubriera la zona objeto del estudio así como la instauración en el terreno una Red Básica de Vértices Topográficos (Bases de Replanteo) con el fin de que sean utilizados durante el desarrollo de los trabajos.

Este trabajo se ha desarrollado en las siguientes fases:

- Instauración y observación de la Red Básica de Vértices Topográficos
- Nivelación Geométrica de dichos Vértices Topográficos
- Observación de los Puntos de Apoyo

1.3.- VUELO FOTOGRAMÉTRICO

El vuelo fotogramétrico del tramo del Baix Llobregat se realizó con fecha 24 de febrero de 2.009. Consta de tres pasadas y fue realizado a escala 1:5.000 con una cámara RC-30 de focal 153,94 mm.

Los fotogramas que componen el vuelo que cubre el tramo, y que están incluidos en cada pasada, son:

<u>PASADA</u>	<u>FOTOGRAMAS</u>
Nº 1	7745-7751
Nº 2	7711-7727
Nº 3	7728-7744

En la relación de apéndices, incluida al final, se adjuntan los siguientes documentos:

Apéndice 3.1.1.	GRÁFICO DE VUELO.
Apéndice 3.1.2.	MEMORIA DE VUELO Y CERTIFICADO DE CALIBRACIÓN DE LA CÁMARA.

1.4.- RED BÁSICA DE VÉRTICES TOPOGRÁFICOS Y DE NIVELACIÓN

1.4.1.- Metodología

En los trabajos cartográficos y topográficos elaborados para el proyecto: “Proyecto de Trazado: Mejora de la accesibilidad entre las carreteras del entorno del Baix Llobregat. Clave: T9-B-4620” se partió de la Red permanente de Estaciones GNSS (CATNET) del Instituto Cartográfico de Cataluña (www.icc.es), se ha implantado una Red Básica empleando para su observación técnicas GPS. La estación GPS utilizada y más próxima a la zona fue:

Vértice	X (ED50)	Y (ED50)	H
PLA	415435,870	4585918,360	270,700
	X (ETRS89)	Y (ETRS89)	
	415341,875	4585714,304	

Como los trabajos se realizaron en 2009 las coordenadas se obtuvieron en el sistema ED50, transformándose posteriormente según la NS 2/2010 al sistema ETRS89 mediante la calculadora geodésica del IGN. Las coordenadas obtenidas tras dicha transformación son las de la tabla adjunta anteriormente.

La transformación de coordenadas de ED50 a ETRS89 se deduce que la metodología empleada por los dos organismos IGN y ICC difiere entre ambos, y por tanto que las coordenadas transformadas de ED-50 por uno u otro organismo difieren. Por tanto, las coordenadas GPS que emite este vértice difieren de las consideradas en proyecto por de la diferente transformación que realizan el IGN y el ICC para pasar de ED50 a ETRS89. **Se plantea** como solución para el desarrollo del proyecto **que para la realización de las obras se trabaje con las coordenadas de proyecto apoyándose en las diferentes bases de replanteo implantadas como si se tratara de coordenadas “locales” y replantear las actuaciones conforme a estas. El proyecto incluye nota explicativa al respecto en los documentos contractuales.**

La Red Básica se compone de 4 vértices denominados correlativamente RB-1, RB-2, RB-3 y RB-4. Estos vértices se han materializado en el terreno de manera permanente, utilizando para ello clavos de acero o hitos prefabricados, según emplazamiento.

Para la obtención de cota de los vértices de la Red Básica se ha enlazado con la línea de Nivelación de Alta Precisión 231 – Barcelona - Tarragona que va por la A-7.

Se ha transmitido cota a los Vértices de la Red Básica mediante nivelación geométrica doble a partir del clavo SSK162,120 (2311008).

El método de nivelación empleado ha sido el del punto medio, con niveladas que no han superado nunca los 60 metros.

1.4.2.- Cálculo

Se ha utilizado la proyección Universal Transversa de Mercator (U.T.M.)

El elipsoide es el internacional, Madrid 1924, Datum Europeo, Posdam 1950, origen de longitudes Greenwich.

El origen de altitudes, es el del nivel medio del mar en Alicante.

La observación de la Red Básica se ha realizado mediante técnicas GPS en RTK, mediante enlace módem GSM/GPRS con la red permanente de estaciones GPS del Instituto de Cataluña, recibiendo correcciones en tiempo real, que aseguran unas precisiones centimétricas.

Los parámetros de control de baselines han sido:

- Máscara de elevación: 15º
- Número de satélites mínimos: 5
- Tiempo de observación entre bases: proporcionalmente a la longitud, con un rango que oscila entre 10 y 30 minutos.

Obtenidas las coordenadas WGS84 de los Vértices Geodésicos, se realiza una transformación previa Helmert con los puntos comunes en coordenadas WGS84 y ED50.

Aunque el Cálculo inicial se ha realizado en el Sistema de Coordenadas ED50 HUSO 31, se ha procedido a recalcular dichas coordenadas del Sistema Oficial ETRS89 HUSO31. Por ello, se adjuntan en el Apéndice de RESEÑAS DE LA RED BÁSICA Y PUNTOS NIVELADOS ambos juegos de coordenadas

Los datos de las líneasbase obtenidas se incluyen en el anejo.

Se ha efectuado una reseña de cada vértice de la Red Básica con croquis, referencias y fotografías en color.

1.5.- APOYO FOTOGRAMÉTRICO

Las observaciones de los puntos de la Red Básica, se han realizado con técnicas GPS en RTK, mediante enlace módem GSM/GPRS con la red permanente de estaciones GPS del Instituto de Cataluña.

El tiempo de observación empleado en cada base línea ha variado en función de la calidad geométrica de la situación de los satélites (GDOP).

Los Vértices de la Red Básica se han materializado en el terreno de manera permanente, utilizando para ello clavo comercial taladrado en roca ó asfalto e hitos tipo feno.

Se han señalado y medido con cinta tres referencias en cada uno de los Vértices, habiendo sido reflejado en la Reseña de Vértices.

También se ha tomado una fotografía en color de todos ellos.

Se han dado un mínimo de cinco puntos de apoyo por par estereoscópico, identificándose cada uno de los puntos de apoyo mediante pinchazo en el fotograma y el croquis correspondiente realizado en campo.

1.6.- PRECISIÓN ALCANZADA

La metodología utilizada en el trabajo se ha hecho de acuerdo con las prescripciones del P.P.T.P.

Todos los cálculos realizados, se encuentran dentro de las tolerancias marcadas en el P.P.T.P.

1.7.- INSTRUMENTOS UTILIZADOS

Para la ejecución de los trabajos de campo se ha utilizado el siguiente instrumental topográfico:

- 1 Receptor GPS bifrecuencia Trimble R6
- Nivel Digital DINI22 de Trimble con mira de códigos de barras
- Material diverso

1.8.- RESTITUCIÓN ANALÍTICA

Sobre la base del vuelo aero-fotogramétrico a escala 1/5.000 y al apoyo de los pares, se procedió a la restitución analítica a escala 1/1.000 y equidistancia entre curvas de nivel de 1 metro.

Previo al comienzo de los trabajos, se comprobó que el vuelo reúne las condiciones solicitadas respecto a:

- Características del vuelo
- Geometría del vuelo
- Calidad de la fotografía.

La restitución se ha realizado en el Sistema de Coordenas ED50 Huso 31 y posteriormente se ha realizado una transformación de la Cartografía al Sistema de Referencia Oficial ETRS89 Huso 31.

Con posterioridad a la restitución, durante la redacción del proyecto, se detectó en campo la remodelación de un vial en el Polígono de Pallejà, en la margen derecha del tramo del encauzamiento de la riera de Fonda adosado al ramal 0 de la actuación B, (concretamente el vial de acceso a “La Nau”). Este vial, que afecta a la reposición de caminos a proyectar, fue incorporado a la cartografía. Para ello, se realizó un taquimétrico de esa zona con fecha de 6-11-2012.

1.8.1.- Aparatos utilizados

Para la ejecución del trabajo se ha utilizado 2 aparatos digitales:

- 3 DIGI 3D

Se adjunta copia del certificado de calibración del escáner empleado en el escaneo de los negativos del vuelo en el apartado 3.11.1.

1.8.2.- Software utilizado

Para la captura de puntos se ha utilizado el software DIGI, muy adecuado para este tipo de trabajos.

La edición se ha realizado con estaciones de trabajo con software DIGI y AUTOCAD.

La entrega de los ficheros digitales se realizó en formato DWG 3D y 2D, además de ficheros ASCII de DIGI.

1.8.3.- Documentación de restitución

En la relación de apéndices, incluida al final, se adjuntan los siguientes documentos:

Apéndice 3.11.1
Apéndice 3.11.2.
Apéndice 3.15.

Certificados de calibración de los equipos empleados.
Fichas de ajuste de los pares restituidos.
Librería de códigos utilizada.

2.- TOPOGRAFÍA

2.1.- TRABAJOS REALIZADOS

Como trabajos topográficos complementarios a los realizados para la obtención de la cartografía, se han realizado los siguientes:

- Toma de puntos de bandas blancas de borde de calzada de la AP-2, de la A-2, de la B-24, así como de los ramales de enlaces de estas tres vías en las zonas de conexión de los viales proyectados en las actuaciones que forman parte de este proyecto. Los puntos se han tomado a una equidistancia aproximada de 20 m.

Se han observado los centros de las bandas blancas por técnica GPS y se han representado gráficamente.

Estos datos proporcionan mayor exactitud en el encaje del trazado que se proyecta, y se recogen en el Apéndice 3.12. Puntos Singulares.

- Taquimétrico para corrección de cartografía por la remodelación de un vial con posterioridad a la restitución.

Como se ha indicado en el apartado 1.8., durante la redacción del proyecto, con posterioridad a la obtención de la cartografía mediante restitución analítica, se produjo la remodelación del vial de acceso a “La Nau” en el polígono industrial de Pallejà, en la margen derecha del encauzamiento de la riera de Fonda. Se realizó un levantamiento topográfico de detalle para incorporar dicho vial y las modificaciones en sus márgenes a la cartografía. En la hoja 4 de 16 del apartado 3.17.1.- Minutas procedentes de la restitución se indica la zona corregida.

- Taquimétricos de estructuras y obras de drenaje.

Se han realizado levantamientos topográficos de detalle en diversas zonas de actuación del Proyecto. El método empleado utilizado ha sido tanto observaciones GPS, como el uso de estación total. Se han observado todos los puntos necesarios para la correcta representación gráfica de las zonas a levantar, utilizándose para observación de los puntos inaccesibles métodos de medición sin prisma. De todas las zonas topografiadas se ha confeccionado un Modelo Digital del Terreno en tres dimensiones. Se han empleado un GPS Trimble R6 y una estación total robotizada Trimble S6.

Posteriormente se ha procedido a la ampliación del taquimétrico existente en la zona de la Riera de Vallvidrera.

También se han realizado taquimétricos de detalle en el Ramal 3 de la Actuación D, de Acceso a Molins de Rey desde la AP-2 y en el entorno del Puente Metálico existente en el Río Llobregat en la Actuación E.

Estos datos facilitan la implantación de las estructuras y obras de drenaje. En el Apéndice 3.12. Puntos Singulares se incluyen los listados de la toma de datos, y en el apéndice 3.17. Cartografía se incluyen los planos de dichos taquimétricos y el inventario realizado de estas obras de fábrica.

- Toma de líneas eléctricas existentes, líneas de catenaria de los FF.CC. existentes, pozos y arquetas de registro de los servicios existentes.

Se han tomado, también combinando técnicas GPS y de Estación total, datos de los gálibos y alturas de torres de las líneas eléctricas existentes en las zonas de cruce sobre futuros viales con objeto de comprobar la necesidad de su reposición.

Asimismo se ha tomado líneas de la catenaria tanto de la vía del AVE como de la Vía Convencional en el entorno de la futura duplicación del Puente Metálico sobre el Río Llobregat, con objeto de respetar los gálibos exigidos en las estructuras de paso sobre las líneas de ferrocarril existentes.

Finalmente se han tomado datos de los pozos y arquetas existentes de la red de abastecimiento de agua y saneamiento, arquetas de líneas telefónicas subterráneas, conducciones de salmuera, de gas, oleoductos y Canal de la Infanta que se puedan ver afectadas por la reposición de estos servicios.

Estos datos se recogen en el Apéndice 3.12. Puntos Singulares y se han representado en planos en el apéndice 3.17.

- Colocación de bases de replanteo y replanteo del eje.

Todo lo referente a estos trabajos se ha agrupado en el Anejo nº 17, Replanteo.

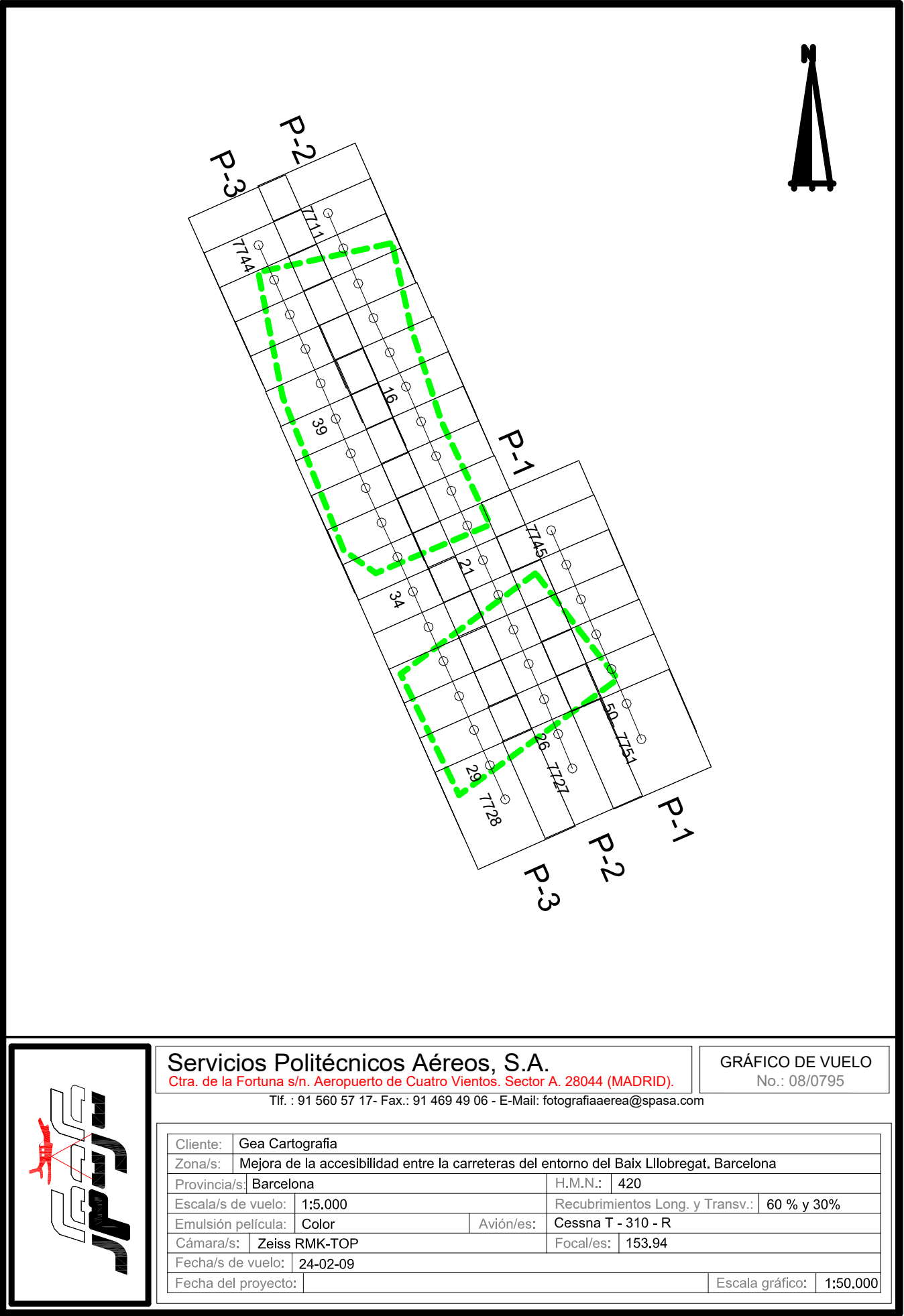
- Transversales de campo

El presente proyecto corresponde a actuaciones en enlaces. Al no existir tronco, no se precisan transversales de campo. Los puntos de bandas blancas tomados y los taquimétricos realizados cubren prácticamente la totalidad de los viales proyectados

3.- APÉNDICES

3.1.- VUELO

3.1.1.- Gráfico de vuelo



3.1.2.- Memoria de vuelo y Certificado de calibración de la cámara



INFORME DE VUELO FOTOGRAMÉTRICO

ANALÓGICO

Nº DE O.T.: 08/0795

1. DENOMINACIÓN DEL VUELO:

MEJORA DE LA ACCESIBILIDAD ENTRE LAS CARRETERAS DEL ENTORNO DEL BAIX LLOBREGAT, BARCELONA

2. LOCALIZACIÓN DEL VUELO:

2.1. PROVINCIA/S: BARCELONA

2.2. HUSO/S: 31

2.3. H.MN./S: 420

3. MEDIOS UTILIZADOS:

3.1. AERONAVE/S: CESSNA T-310-R

2.1.1. MATRÍCULA/S: EC-ENH

3.2. CÁMARA/S: ZEISS RMK-TOP

2.2.1. FOCAL/ES: 153.94

3.3. EMULSIÓN/ES: COLOR

2.3.1. MARCA Y MOD.: AGFA AVIPHOT COLOR X-100 (COLOR)

4. DATOS DEL VUELO:

4.1. ESCALA O GSD: 5000

4.2. ALTURA/S MEDIA/S SOBRE EL TERRENO: 750 m.

4.3. RECUBRIMIENTOS:

3.3.1. RCTO. LONGITUDINAL: 60

3.3.1. RCTO. TRANSVERSAL: 30

4.4. Nº DE PASADAS: 3

4.5. FECHA/S DE VUELO: 24/02/09

5. IMÁGENES (VUELO DIGITAL):

5.1. PROCESADO DE IMÁGENES:

5.4. CANALES PROCESADOS:

Ctra. de la Fortuna s/n. Aeropuerto de Cuatro Vientos, Sector A. (28244) Madrid. Tlf.: 91 560 57 17. Fax: 91 469 49 06

Web: www.spasa.com / E-Mail: fotografiaaerea@spasa.com o spasa@arrakis.es

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DEUTSCHER KALIBRIERDIENST **DKD**
Kalibrierlaboratorium / Calibration laboratory

Akkreditiert durch die / accredited by the
Akkreditierungsstelle des Deutschen Kalibrierdienstes



Kalibrierschein
Calibration certificate

Kalibrierzeichen
Calibration mark

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2009-02

Gegenstand Object	Aerial Survey Camera
Hersteller Manufacturer	Carl Zeiss D-73446 Oberkochen
Typ Type	RMK TOP 15
Fabrikat/Serien-Nr. Serial number	141 298
Auftraggeber Customer	Servicios Politécnicos Aéreos, S.A. (SPASA) Ctra. De la Fortuna, s/n Aeropuerto de Cuatro Vientos, Sector A E – 28044 Madrid
Auftragsnummer Order No.	41 690
Anzahl der Seiten des Kalibrierscheines Number of pages of the certificate	4
Datum der Kalibrierung Date of calibration	02.02.09

Dieser Kalibrierschein dokumentiert die Rückführung auf nationale Normale zur Darstellung der Einheiten in Übereinstimmung mit dem Internationalen Einheitensystem (SI).
Der DKD ist Unterzeichner der multilateralen Übereinkommen der European co-operation for Accreditation (EA) und der International Laboratory Accreditation Cooperation (ILAC) zur gegenseitigen Anerkennung der Kalibrierscheine.
Für die Einhaltung einer angemessenen Frist zur Wiederholung der Kalibrierung ist der Benutzer verantwortlich.
*This calibration certificate documents the traceability to national standards, which realize the units of measurement according to the International System of Units (SI).
The DKD is signatory to the multilateral agreements of the European co-operation for Accreditation (EA) and of the International Laboratory Accreditation Cooperation (ILAC) for the mutual recognition of calibration certificates.
The user is obliged to have the object recalibrated at appropriate intervals.*

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Stempel Seal	Datum Date	Leiter des Kalibrierlaboratoriums Head of the calibration laboratory	Bearbeiter Person in charge
	02.02.09		

Carl Zeiss
Industrielle Messtechnik GmbH
Mess- und Kalibrierzentrum
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Telefon 07364-20-3731
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2009-02

CAMERA TYPE: RMK TOP 15 SERIAL NO. 141298
LENS TYPE: PLEOGON A3 SERIAL NO. 141313
MAX.APERTURE: F/4 NOM. FOCAL LENGTH 153 MM

1) CALIBRATED FOCAL LENGTH = 153.942 MM
2) DISTORTION /0.001 MM, REFERRING TO P.P. OF SYMMETRY PPS
S/MM= 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150
5 0 -1 -1 0 -1 0 1 0 0 -1 -1 -1 0 1 3 3
6 0 -1 -2 -1 -2 -1 0 0 0 0 0 -1 0 2 2 4
7 0 0 -1 -1 0 0 0 1 1 0 -2 -1 -2 -1 1 -1
8 0 -1 -2 -2 -1 0 0 0 0 -1 -1 -2 -1 0 0 0
AV. 0 -1 -1 -1 -1 0 0 0 0 0 -1 -1 -1 1 1 2

3) P.P. OF AUTOCOLLIMATION AND FIDUCIAL CENTRE, REFERRING TO PPS
P.P. OF AUTOCOLLIMATION PPA X= 0.007 Y= -0.002 MM
FIDUCIAL CENTRE FC X= 0.014 Y= 0.002 MM
CORNER FIDUCIAL CENTRE FCC X= 0.008 Y= 0.004 MM

4) FIDUCIAL MARKS, REFERRING TO PPS
X1= 113.009 X2=-112.980 X3= 0.016 X4= 0.013 MM
Y1= 0.004 Y2= 0.000 Y3= 113.014 Y4=-112.979 MM
DISTANCES 1-2= 225.989 3-4= 225.993 MM
X5= 113.019 X6=-112.986 X7=-112.984 X8= 113.008 MM
Y5= 113.021 Y6=-112.995 Y7= 112.995 Y8=-112.994 MM

5) PHOTOGRAPHIC RESOLVING POWER, IN CYCLES PER MM
(AS PER DEFINITION, R. P. IS NOT A CALIBRATED DATUM)
AREA WEIGHTED AVERAGE RESOLUTION 96

FIELD ANGLE /DEG = 0 7 14 21 28 35 42
RADIAL LINES 129 128 125 121 114 106 86
TANGENTIAL LINES 129 113 97 89 90 77 57

FILM: KODAK PANATOMIC X 3412 SPEED 40 AFS
DEVELOPED IN AGFA G 74 C AVIPHOT

6) Filter
7) Magazines
8) Measuring uncertainty
Distortion: U = 3 µm ; Point of symmetry and collimation: U = 3 µm ; Image center: U = 5 µm ; Camera constant: U = 5 µm
The specification indicates the upgraded measuring uncertainty resulting from the multiplication of the standard measuring uncertainty by the factor k = 2. It was determined in conformity with DKD-3. The values of the measurement parameter lie within the specified range with a probability of 95%.

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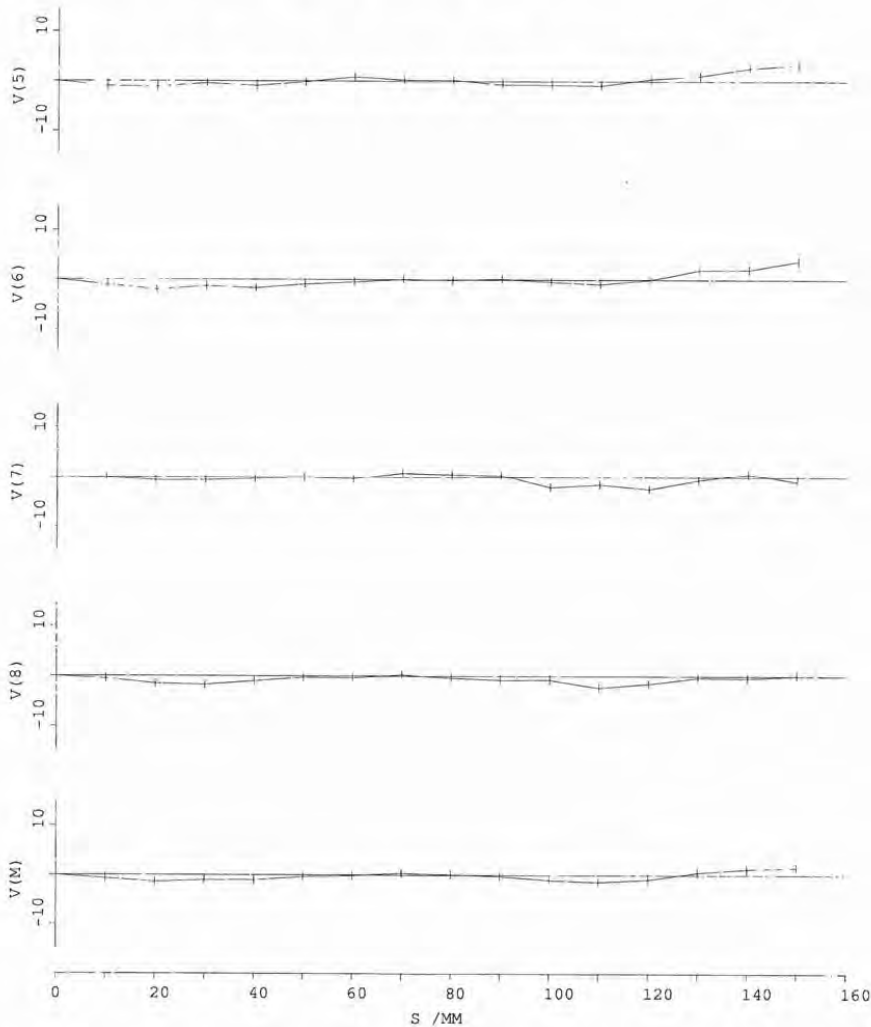
Seite
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DKD-K-
05201
2009-02

RMK TOP 15 NO. 141298
PLEOGON A3 4/153 NO. 141313
CFL=153.942 MM

DISTORTION /0.001 MM, REFERRING TO PPS



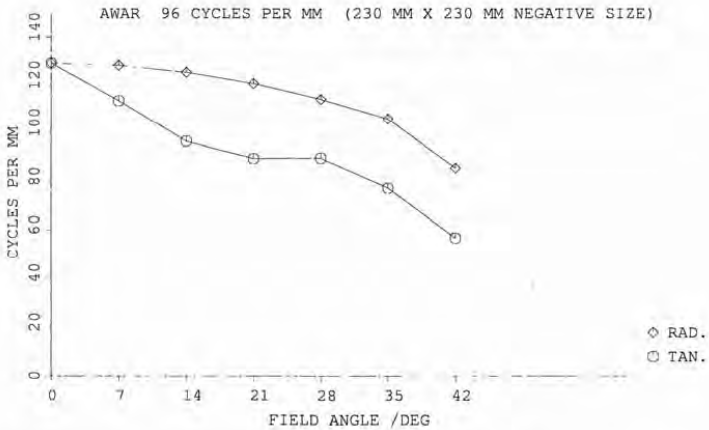
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Page 4



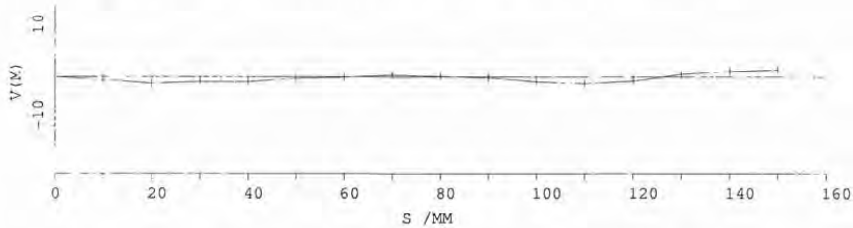
14887
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05201
2009-02

RMK TOP 15 NO. 141298

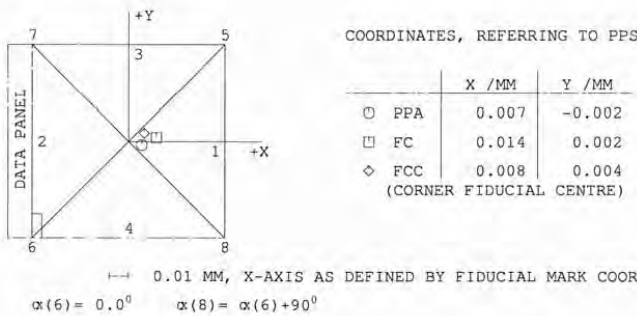
PHOTOGRAPHIC RESOLVING POWER



DEPARTURE OF AVERAGE DISTORTION FROM ZERO REFERENCE



PRINCIPAL POINT (PPA, PPS) AND FIDUCIAL CENTRE (FC)



Ctra. de la Fortuna s/n-Aeropuerto de Cuatro Vientos, Sector A (28044 Madrid) Tlf 91 560 57 17 Fax 91 469 49 06
Web: www.spasa.com e-mail: fotografiaaerea@spasa.com

Reg. Mercantil. Tomo 555 Folio 142. Sección 3ª Hoja 656331. C.I.F. A-78/022381

3.1.3.- Colección de contactos

(Esta colección se entrega en formato informático aparte)

3.2.- RESEÑAS ICC E IGN

INSTITUTO CARTOGRÁFICO DE CATALUÑA
RED DE ESTACIONES PERMANENTES GPS - CATNET

Marzo 2009

Base de Replanteo					
Señal	PLA		Municipio	Baiz Llobregat	
			Provincia	Barcelona	
			MTN50	420	
Coordenadas U.T.M.			Coordenadas Geográficas		
S. Referencia	ED50	ETRS89	S. Referencia	ED50	ETRS89
X	415435,870	415341,875	Longitud	1°59'17,1843" E	1°59'13,02623" E
Y	4585918,360	4585714,304	Latitud	41°25'10,7385" N	41°25'6,68955" N
H Ortométrica	270,700	319,954	Factor Escala	0,999687864	0,99968820
H Elipsoidal			Convergencia	0°40'10"	0°40'13"
Situación					
Les Planes, Pallejà (Baix Llobregat)					
Acceso					
Señal Pilar oficial ICC – Antena Trimble (Altura 0,054m)					
Horizonte G.P.S. Despejado					
Vértices Observables					
Referencias					
A:	B:	C:	Croquis de Detalle		
					
Plano de Situación			Fotografía		



Centro de Observaciones Geodésicas

Subdirección General de Astronomía, Geodesia y Geofísica

Reseña de Señal de Nivelación

21-mar-2009

Situación Geográfica:

Número: 231008

Nombre: SSK162,120

Línea o Ramal: 231. Barcelona - Tarragona

Municipio: Castellbisbal

Provincia: Barcelona

Hoja MTN50: 420

Señal: Secundaria En posición: Vertical

Señalizada: 07 de mayo de 2001

Nivelada: 01 de febrero de 2004

Enlaces:

Anterior: 231007 - SSK160,9

Posterior: 231009 - SSK163,450

Agrupada con:

Datos Geodésicos:

Altitud ortométrica: 56,5423 m.

Geopotencial: 55,42763 u.g.p.

Gravedad en superficie: 980284,07 mgals. Observada

Cálculo: 01 de mayo de 2008

Coordenadas Geográficas ETRS89:

Longitud: 1° 58' 59,0"

Latitud: 41° 27' 14,0"

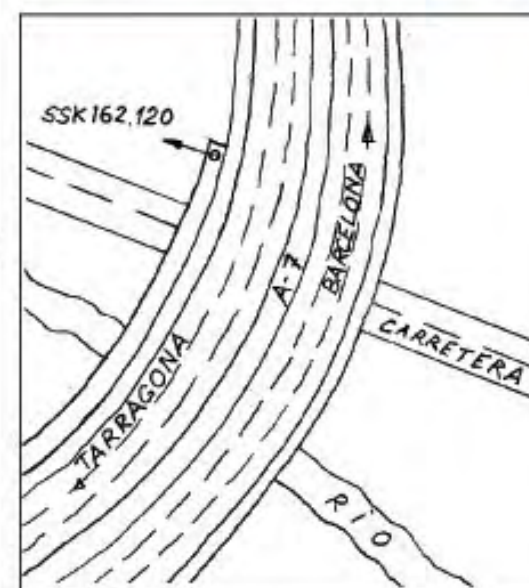
Altitud elipsoidal:

Precisión: Coordenadas Gráficas del MTN

Reseña:

Clavo metálico semiesférico incrustado sobre la acera de hormigón del gran puente en su parte N.O que atraviesa por debajo una autovía, un río, etc; se encuentra próximo a un cartel indicador de EL VALLES OCCIDENTAL, de la autopista A-7 aproximadamente en el Km.162,120.

Observaciones:



3.3.- GRÁFICO DE PUNTOS DE APOYO

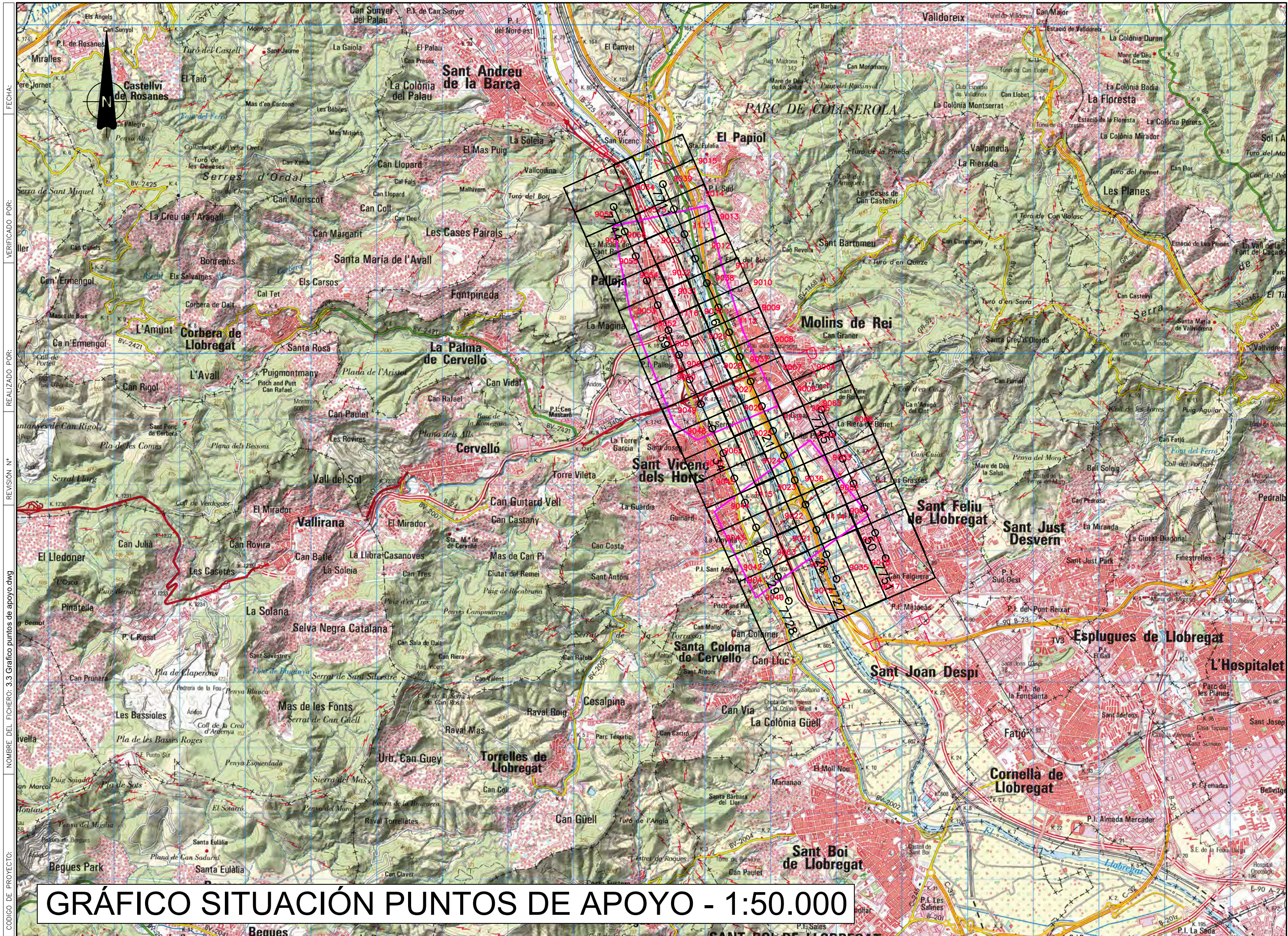


GRÁFICO SITUACIÓN PUNTOS DE APOYO - 1:50.000

CODIGO DE PROYECTO: NOMBRE DEL FICHERO: 3.3 Grafico puntos de apoyo.dwg REVISIÓN N° REALIZADO POR: FECHA:

3.4.- GRÁFICO DE LA RED BÁSICA

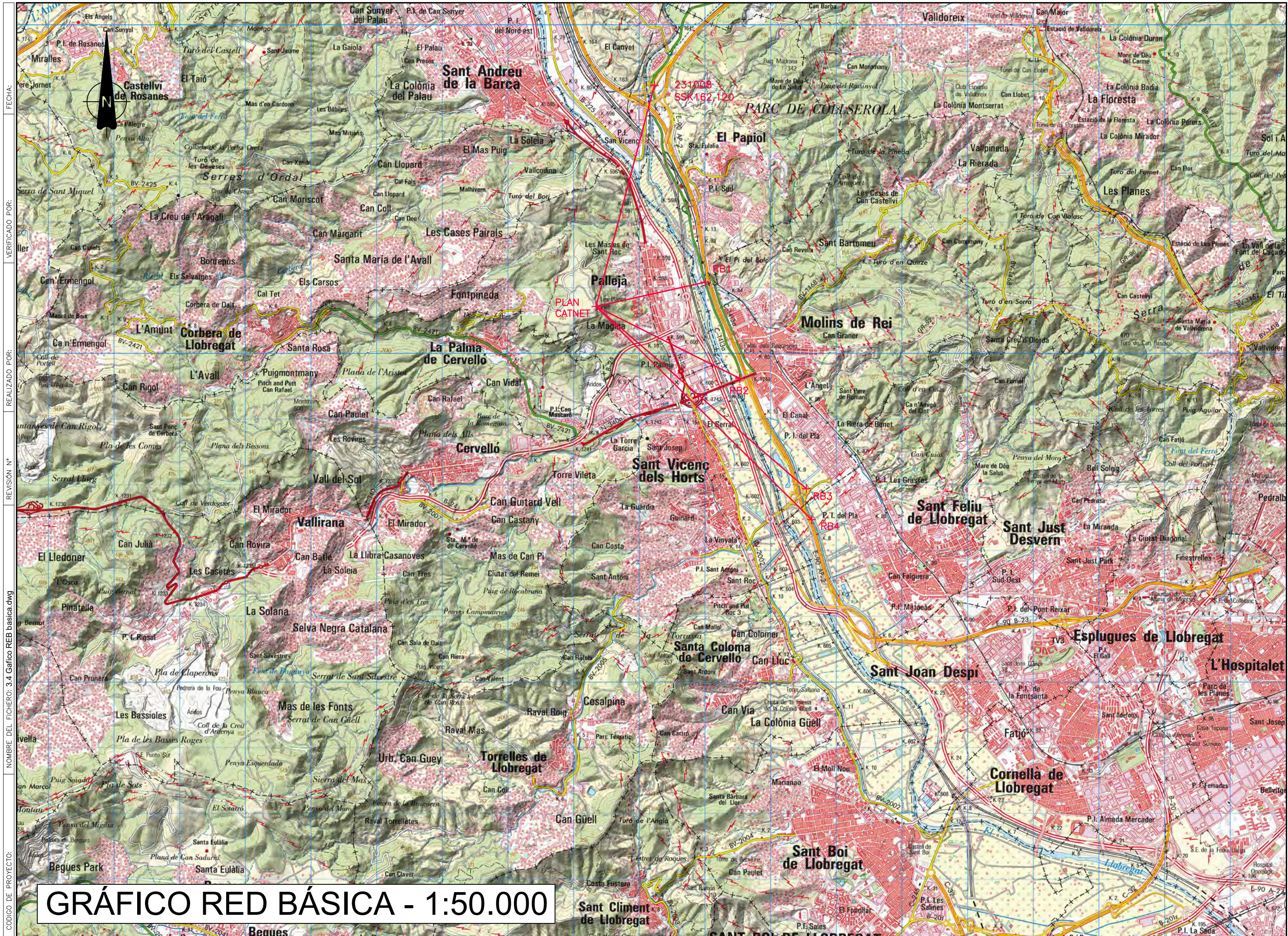


GRÁFICO RED BÁSICA - 1:50.000

FECHA:

VERIFICADO POR:

REALIZADO POR:

REVISIÓN N°

NOMBRE DEL FICHERO: 3.4 Gafico REB basica.dwg

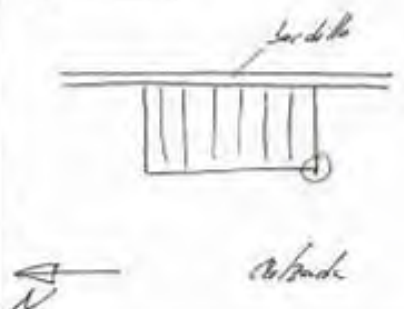
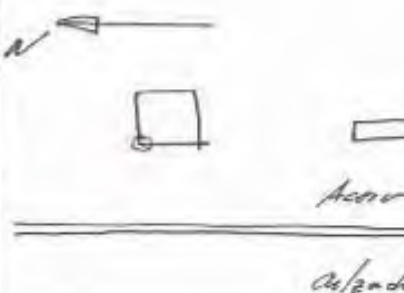
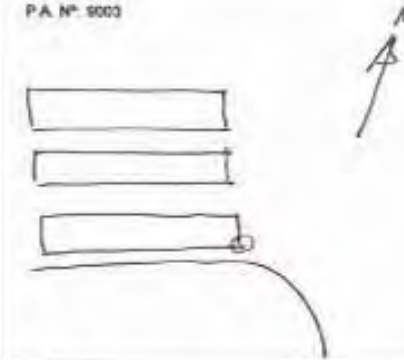
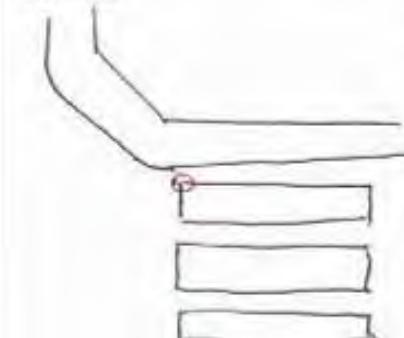
CODIGO DE PROYECTO:

3.5.- RESEÑAS DE PUNTOS DE APOYO

PUNTOS DE APOYO

TRABAJO: MOLINS DE REI

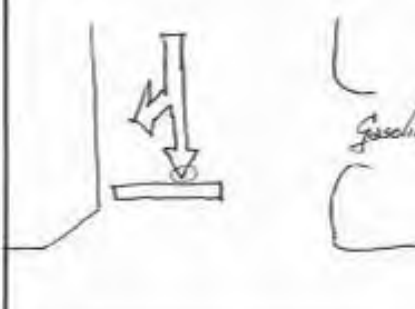
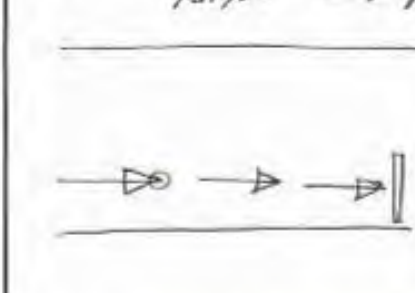
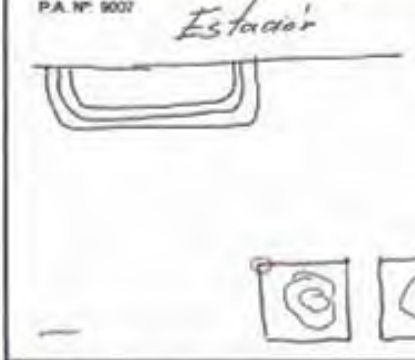
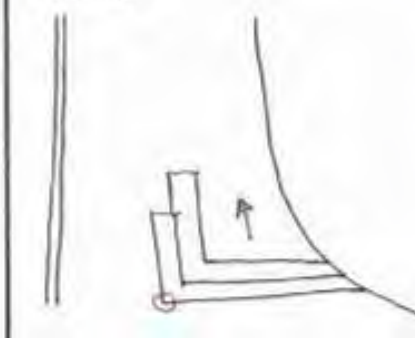
HOJA Nº: 1
FECHA : Abril 2009

CROQUIS:	RESERVA:	COORDENADAS:
P.A. Nº: 9001 	Esquina imbonal Cota asfalto	FOTOGRAMA: 7724 PASADA Nº: 2 X= 419251,732 Y= 4582721,104 Z= 20,418 NOTA:
P.A. Nº: 9002 	Esquina zapata de cartel Cota asfalto	FOTOGRAMA: 7723 PASADA Nº: 2 X= 419102,935 Y= 4583075,514 Z= 20,801 NOTA:
P.A. Nº: 9003 	Esquina cebrado Cota asfalto	FOTOGRAMA: 7722 PASADA Nº: 2 X= 418989,358 Y= 4583533,785 Z= 22,082 NOTA:
P.A. Nº: 9004 	Esquina cebrado Cota asfalto	FOTOGRAMA: 7721 PASADA Nº: 2 X= 418751,488 Y= 4583889,412 Z= 22,801 NOTA:

PUNTOS DE APOYO

TRABAJO: MOLINS DE REI

HOJA Nº: 2
FECHA : Abril 2009

CROQUIS:	RESERVA:	COORDENADAS:
P.A. Nº: 9005 	Punta de flecha de marca vial Cota asfalto	FOTOGRAMA: 7720 PASADA Nº: 2 X= 418965,002 Y= 4584283,408 Z= 25,491 NOTA:
P.A. Nº: 9006 	Punta de flecha de marca vial Cota asfalto	FOTOGRAMA: 7719 PASADA Nº: 2 X= 418451,708 Y= 4584580,112 Z= 24,362 NOTA:
P.A. Nº: 9007 	Esquina jardinera alcorque Cota asfalto Altura a la acera 0.48	FOTOGRAMA: 7718 PASADA Nº: 2 X= 418233,762 Y= 4584907,515 Z= 25,708 NOTA:
P.A. Nº: 9008 	Esquina escalón Cota asfalto	FOTOGRAMA: 7717 PASADA Nº: 2 X= 418109,287 Y= 4585330,887 Z= 50,089 NOTA:

Nota: Las coordenadas indicadas son del Sistema ED50. En el apartado 3.10.2. se incluyen también las coordenadas transformadas al Sistema ETRS89.

PUNTOS DE APOYO

TRABAJO: MOLINS DE REI

 HOJA Nº: 3
FECHA : Abril 2009

CROQUIS:	RESERVA:	COORDENADAS:
P.A. Nº: 9009 	Esquina argenta Cota acera	FOTOGRAMA: 7716 PASADA Nº: 2 X= 417911,438 Y= 458510,238 Z= 46,110 NOTA:
P.A. Nº: 9010 	Esquina imbornal Cota asfalto	FOTOGRAMA: 7715 PASADA Nº: 2 X= 417786,341 Y= 4585198,309 Z= 32,420 NOTA:
P.A. Nº: 9011 	Esquina alambrada Cota terreno	FOTOGRAMA: 7714 PASADA Nº: 3 X= 417912,389 Y= 4586453,844 Z= 44,797 NOTA:
P.A. Nº: 9012 	Esquina exterior muro Cota terreno	FOTOGRAMA: 7713 PASADA Nº: 2 X= 417143,080 Y= 4580759,523 Z= 66,490 NOTA:

PUNTOS DE APOYO

TRABAJO: MOLINS DE REI

 HOJA Nº: 4
FECHA : Abril 2009

CROQUIS:	RESERVA:	COORDENADAS:
P.A. Nº: 9013 	Final centro linea blanca Cota asfalto	FOTOGRAMA: 7712 PASADA Nº: 2 X= 417275,877 Y= 4587200,030 Z= 40,634 NOTA:
P.A. Nº: 9014 	Esquina ceda el paso Cota asfalto	FOTOGRAMA: 7711 PASADA Nº: 2 X= 417052,343 Y= 4587580,782 Z= 35,204 NOTA:
P.A. Nº: 9015 	Esquina acera Cota acera	FOTOGRAMA: 7711 PASADA Nº: 3 X= 418944,391 Y= 4588040,499 Z= 73,599 NOTA:
P.A. Nº: 9016 	Esquina pintura peso de peatones Cota asfalto	FOTOGRAMA: 7725 PASADA Nº: 2 X= 419449,223 Y= 4582285,095 Z= 19,330 NOTA:

Nota: Las coordenadas indicadas son del Sistema ED50. En el apartado 3.10.2. se incluyen también las coordenadas transformadas al Sistema ETRS89.

PUNTOS DE APOYO

TRABAJO: MOLINS DE REI

HOJA Nº: 5
FECHA : Abril 2009

CROQUIS:	RESERVA:	COORDENADAS:
P.A. Nº. 9017	Esquina marca vial Cota asfalto	FOTOGRAMA: 7727 PASADA Nº: 2 X= 419731,181 Y= 4591567,817 Z= 18,958 NOTA:
P.A. Nº. 9018	Esquina bordillo Cota asfalto	FOTOGRAMA: 7726 PASADA Nº: 2 X= 419582,826 Y= 4581934,504 Z= 21,375 NOTA:
P.A. Nº. 9019	Esquina imposta obra de fábrica Cota arriba	FOTOGRAMA: 7725 PASADA Nº: 2 X= 418712,187 Y= 4581506,977 Z= 17,700 NOTA:
P.A. Nº. 9020	Esquina de arquería en balsa Cota arriba	FOTOGRAMA: 7725 PASADA Nº: 2 X= 418637,284 Y= 4581910,080 Z= 15,384 NOTA:

PUNTOS DE APOYO

TRABAJO: MOLINS DE REI

HOJA Nº: 6
FECHA : Abril 2009

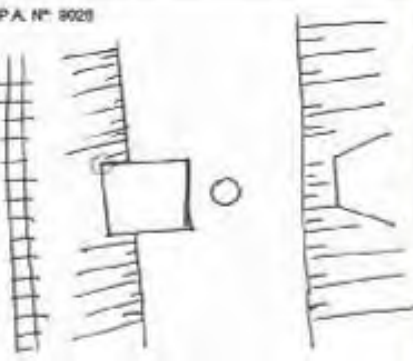
CROQUIS:	RESERVA:	COORDENADAS:
P.A. Nº. 9021	Esquina arquería de hormigón Cota arriba	FOTOGRAMA: 7724 PASADA Nº: 2 X= 418376,430 Y= 4582299,536 Z= 19,292 NOTA:
P.A. Nº. 9022	Esquina arquería Cota arriba	FOTOGRAMA: 7724 PASADA Nº: 2 X= 418257,899 Y= 4582643,946 Z= 19,356 NOTA:
P.A. Nº. 9023	Esquina arquería Cota arriba	FOTOGRAMA: 7722 PASADA Nº: 2 X= 418148,495 Y= 4583079,890 Z= 19,749 NOTA:
P.A. Nº. 9024	Esquina arquería Cota arriba	FOTOGRAMA: 7721 PASADA Nº: 2 X= 417920,375 Y= 4583484,030 Z= 20,481 NOTA:

Nota: Las coordenadas indicadas son del Sistema ED50. En el apartado 3.10.2. se incluyen también las coordenadas transformadas al Sistema ETRS89.

PUNTOS DE APOYO

TRABAJO: MOLINS DE REI

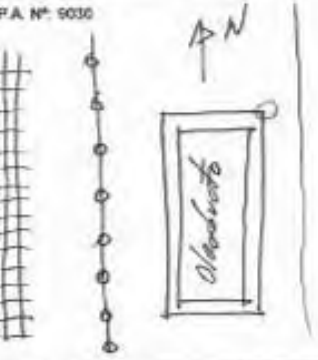
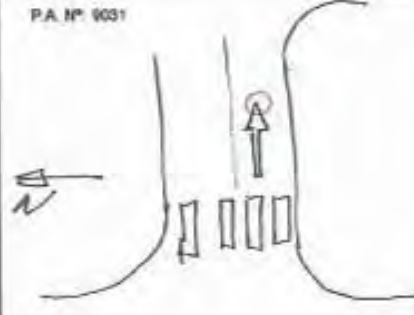
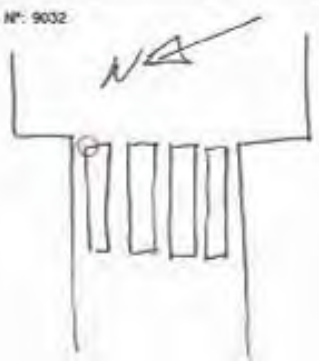
HOJA Nº: 7
FECHA : Abril 2009

CROQUIS:	RESEÑA:	COORDENADAS:
P.A. Nº: 9025 	Centro pozo Cota arriba	FOTOGRAMA: 7720 PASADA Nº: 2 X= 417787,295 Y= 4583903,061 Z= 21,422 NOTA: _____
P.A. Nº: 9026 	Esquina arqueta pozo Cota arriba	FOTOGRAMA: 7719 PASADA Nº: 2 X= 417841,205 Y= 4584289,309 Z= 22,860 NOTA: _____
P.A. Nº: 9027 	Esquina arqueta Cota arriba	FOTOGRAMA: 7718 PASADA Nº: 2 X= 417493,060 Y= 4584589,302 Z= 22,834 NOTA: _____
P.A. Nº: 9028 	Esquina arqueta Cota arriba	FOTOGRAMA: 7717 PASADA Nº: 2 X= 417332,539 Y= 4584628,348 Z= 25,343 NOTA: _____

PUNTOS DE APOYO

TRABAJO: MOLINS DE REI

HOJA Nº: 8
FECHA : Abril 2009

CROQUIS:	RESEÑA:	COORDENADAS:
P.A. Nº: 9029 	Esquina arqueta Cota arriba	FOTOGRAMA: 7716 PASADA Nº: 2 X= 417106,384 Y= 4585379,514 Z= 28,117 NOTA: _____
P.A. Nº: 9030 	Esquina de muro Cota arriba	FOTOGRAMA: 7715 PASADA Nº: 2 X= 417035,962 Y= 4585758,034 Z= 29,428 NOTA: _____
P.A. Nº: 9031 	Punta de flecha de marca vial Cota asfalto	FOTOGRAMA: 7714 PASADA Nº: 2 X= 416636,466 Y= 4586064,547 Z= 28,625 NOTA: _____
P.A. Nº: 9032 	Esquina pintura de paso de peatones Cota asfalto	FOTOGRAMA: 7713 PASADA Nº: 2 X= 416548,834 Y= 4586347,863 Z= 30,412 NOTA: _____

Nota: Las coordenadas indicadas son del Sistema ED50. En el apartado 3.10.2. se incluyen también las coordenadas transformadas al Sistema ETRS89.

PUNTOS DE APOYO

TRABAJO: MOLINS DE REI

HOJA Nº: 9
FECHA : Abril 2009

CROQUIS:	RESEÑA:	COORDENADAS:
P.A. Nº: 9033	Esquina pintura en piso de peatones Cota asfalto	FOTOGRAMA: 7712 PASADA Nº: 2 X= 416380,048 Y= 4589037,584 Z= 38,867 NOTA: _____
P.A. Nº: 10675	Centro línea discontinua Cota asfalto	FOTOGRAMA: 7711 PASADA Nº: 2 X= 416096,941 Y= 4587303,883 Z= 38,977 NOTA: _____
P.A. Nº: 9034	Esquina arqueta metálica Cota tapa	FOTOGRAMA: 7711 PASADA Nº: 2 X= 416993,095 Y= 4587645,485 Z= 34,515 NOTA: _____
P.A. Nº: 9035	Esquina muro Cota terreno	FOTOGRAMA: 7726 PASADA Nº: 2 X= 419245,208 Y= 4581858,899 Z= 19,023 NOTA: _____

PUNTOS DE APOYO

TRABAJO: MOLINS DE REI

HOJA Nº: 10
FECHA : Abril 2009

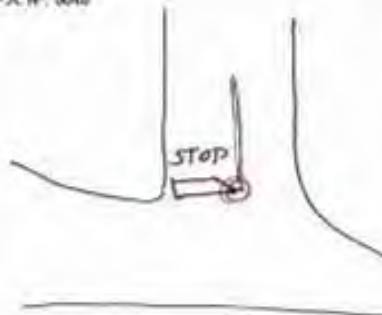
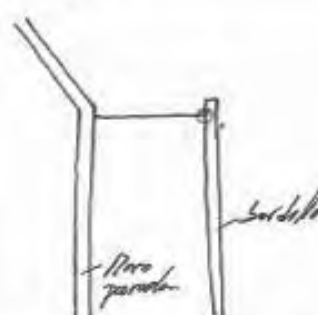
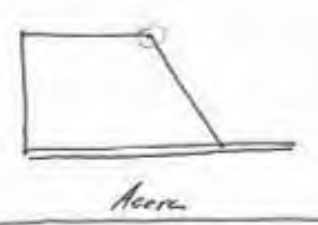
CROQUIS:	RESEÑA:	COORDENADAS:
P.A. Nº: 9036	Centro pozo Cota arriba	FOTOGRAMA: 7723 PASADA Nº: 2 X= 418587,104 Y= 4583210,886 Z= 23,277 NOTA: _____
P.A. Nº: 9037	Verice cableado Cota asfalto	FOTOGRAMA: 7719 PASADA Nº: 2 X= 417731,579 Y= 4585028,873 Z= 26,280 NOTA: _____
P.A. Nº: 9038	Verice bordillo Cota asfalto	FOTOGRAMA: 7715 PASADA Nº: 2 X= 417206,095 Y= 4586206,395 Z= 37,884 NOTA: _____
P.A. Nº: 9039	Esquina acera centro de transformación Cota arriba	FOTOGRAMA: 7711 PASADA Nº: 2 X= 416586,638 Y= 4587778,327 Z= 32,783 NOTA: _____

Nota: Las coordenadas indicadas son del Sistema ED50. En el apartado 3.10.2. se incluyen también las coordenadas transformadas al Sistema ETRS89.

PUNTOS DE APOYO

TRABAJO: MOLINS DE REI

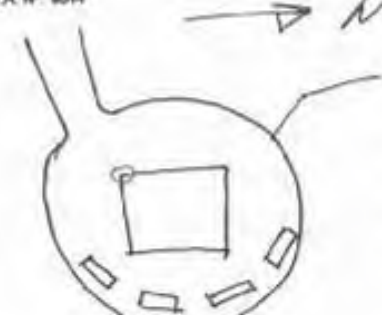
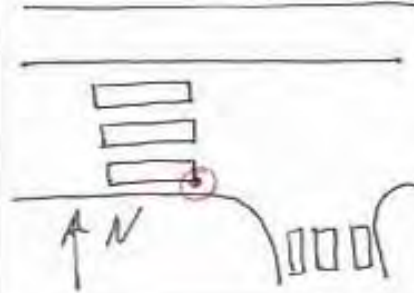
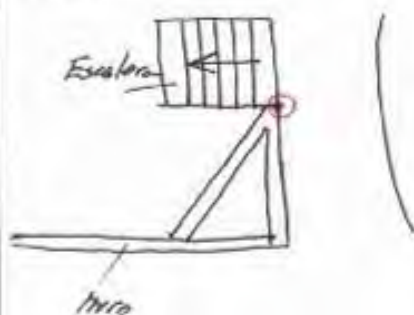
HOJA Nº: 11
FECHA : Abril 2009

CROQUIS:	RESEÑA:	COORDENADAS:
P.A. Nº. 9040 	Esquina línea de parada de stop. Cota asfalto.	FOTOGRAMA: 7728 PASADA Nº: 3 X= 417063,152 Y= 4581401,308 Z= 38,129 NOTA:
P.A. Nº. 9041 	Esquina rebordado. Cota asfalto.	FOTOGRAMA: 7728 PASADA Nº: 3 X= 417701,035 Y= 4581888,601 Z= 55,781 NOTA:
P.A. Nº. 9042 	Esquina acera con bordillo. Cota acera.	FOTOGRAMA: 7729 PASADA Nº: 3 X= 417690,489 Y= 4581862,677 Z= 57,872 NOTA:
P.A. Nº. 9043 	Esquina bordillo. Cota asfalto.	FOTOGRAMA: 7730 PASADA Nº: 3 X= 417388,791 Y= 4582308,959 Z= 27,915 NOTA:

PUNTOS DE APOYO

TRABAJO: MOLINS DE REI

HOJA Nº: 12
FECHA : Abril 2009

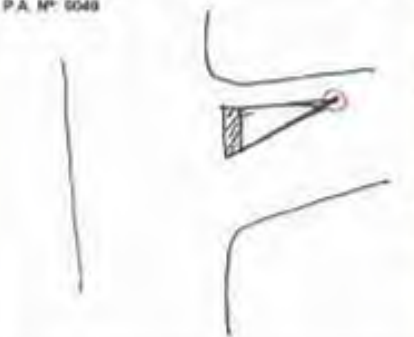
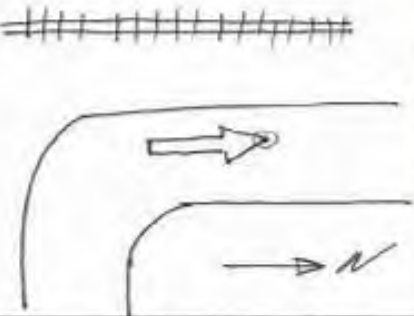
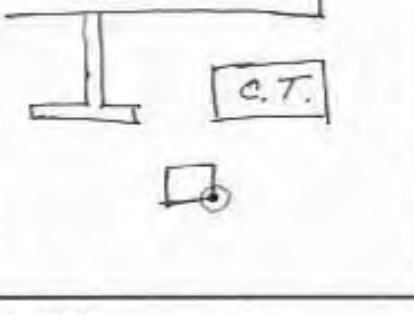
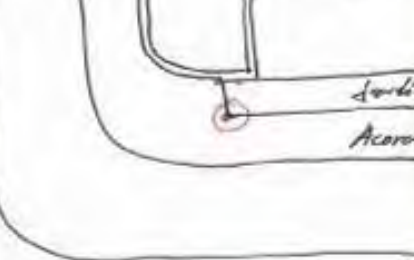
CROQUIS:	RESEÑA:	COORDENADAS:
P.A. Nº. 9044 	Esquina baldosa en parque. Cota acera.	FOTOGRAMA: 7731 PASADA Nº: 3 X= 417439,355 Y= 4582794,336 Z= 24,062 NOTA:
P.A. Nº. 9045 	Esquina paso de peatones. Cota asfalto.	FOTOGRAMA: 7732 PASADA Nº: 3 X= 417215,593 Y= 4583161,702 Z= 41,340 NOTA:
P.A. Nº. 9047 	Esquina paso de peatones. Cota asfalto.	FOTOGRAMA: 7733 PASADA Nº: 3 X= 417077,874 Y= 4583443,667 Z= 32,686 NOTA:
P.A. Nº. 9048 	Esquina muro. Cota acera.	FOTOGRAMA: 7734 PASADA Nº: 3 X= 416778,899 Y= 4583636,288 Z= 40,190 NOTA:

Nota: Las coordenadas indicadas son del Sistema ED50. En el apartado 3.10.2. se incluyen también las coordenadas transformadas al Sistema ETRS89.

PUNTOS DE APOYO

TRABAJO: MOLINS DE REI

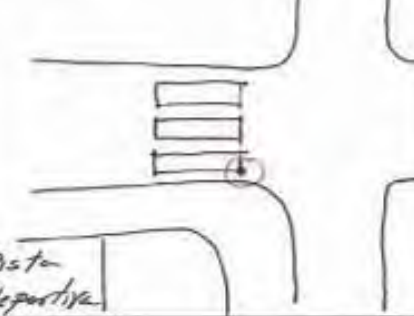
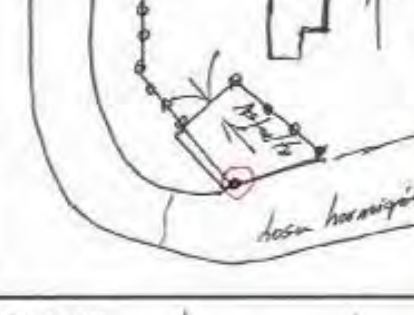
 HOJA Nº: 13
 FECHA : Abril 2009

CROQUIS:	RESEÑA:	COORDENADAS:
P.A. Nº: 9049 	Vertice ceda el paso Cota asfalto	FOTOGRAMA: 7735 PASADA Nº: 3 X= 418631,432 Y= 4584352,321 Z= 30,259 NOTA:
P.A. Nº: 9050 	Vertice flecha marca vial Cota asfalto	FOTOGRAMA: 7736 PASADA Nº: 3 X= 418617,484 Y= 4584758,522 Z= 27,983 NOTA:
P.A. Nº: 9051 	Esquina arquite metálica Cota asfalto	FOTOGRAMA: 7737 PASADA Nº: 3 X= 418589,454 Y= 4585288,159 Z= 27,844 NOTA:
P.A. Nº: 9052 	Esquina acera Cota acera	FOTOGRAMA: 7738 PASADA Nº: 3 X= 418330,455 Y= 4585572,912 Z= 39,153 NOTA:

PUNTOS DE APOYO

TRABAJO: MOLINS DE REI

 HOJA Nº: 14
 FECHA : Abril 2009

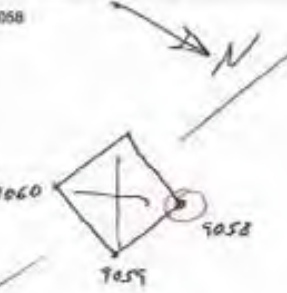
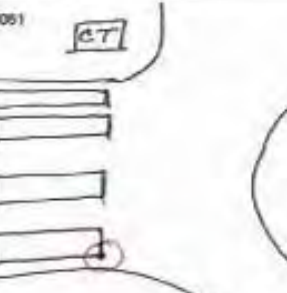
CROQUIS:	RESEÑA:	COORDENADAS:
P.A. Nº: 9053 	Esquina bordillo Cota asfalto	FOTOGRAMA: 7739 PASADA Nº: 3 X= 418613,899 Y= 4585788,537 Z= 67,352 NOTA:
P.A. Nº: 9054 	Esquina paso de peatones Cota asfalto	FOTOGRAMA: 7740 PASADA Nº: 3 X= 418648,765 Y= 4586307,804 Z= 59,396 NOTA:
P.A. Nº: 9055 	Esquina bordillo con losa de hormigón Cota solera	FOTOGRAMA: 7741 PASADA Nº: 3 X= 418738,216 Y= 4586520,576 Z= 88,520 NOTA:
P.A. Nº: 9056 	Esquina imbornal Cota asfalto	FOTOGRAMA: 7742 PASADA Nº: 3 X= 418602,240 Y= 4586922,858 Z= 71,414 NOTA:

Nota: Las coordenadas indicadas son del Sistema ED50. En el apartado 3.10.2. se incluyen también las coordenadas transformadas al Sistema ETRS89.

PUNTOS DE APOYO

TRABAJO: MOLINS DE REI

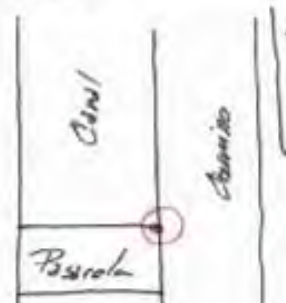
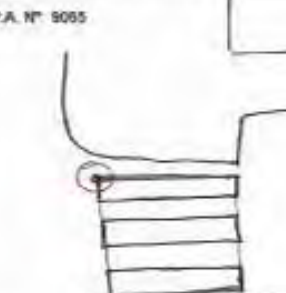
HOJA Nº: 15
FECHA : Abril 2009

CROQUIS:	RESEÑA:	COORDENADAS:
P.A. Nº: 9057 	Esquina de muro con banco. Cota suelo	FOTOGRAMA: 7742 PASADA Nº: 3 X= 415525,581 Y= 4586838,822 Z= 115,407 NOTA:
P.A. Nº: 9058 	Esquina zapata de torre electricidad. Cota hormigón	FOTOGRAMA: 7742 PASADA Nº: 3 X= 415360,598 Y= 4587234,599 Z= 81,012 NOTA:
P.A. Nº: 9059 9059 415367,045 4587232,721 81,005 9060 415365,199 4587232,336 81,043 	Esquina paso de peatones. Cota asfalto	FOTOGRAMA: 7738 PASADA Nº: 3 X= 416780,579 Y= 4584985,523 Z= 28,555 NOTA:
P.A. Nº: 9062 	Vértice flecha marca vial. Cota asfalto	FOTOGRAMA: 7734 PASADA Nº: 3 X= 417336,280 Y= 4583836,203 Z= 23,727 NOTA:

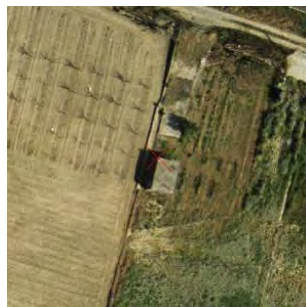
PUNTOS DE APOYO

TRABAJO: MOLINS DE REI

HOJA Nº: 16
FECHA : Abril 2009

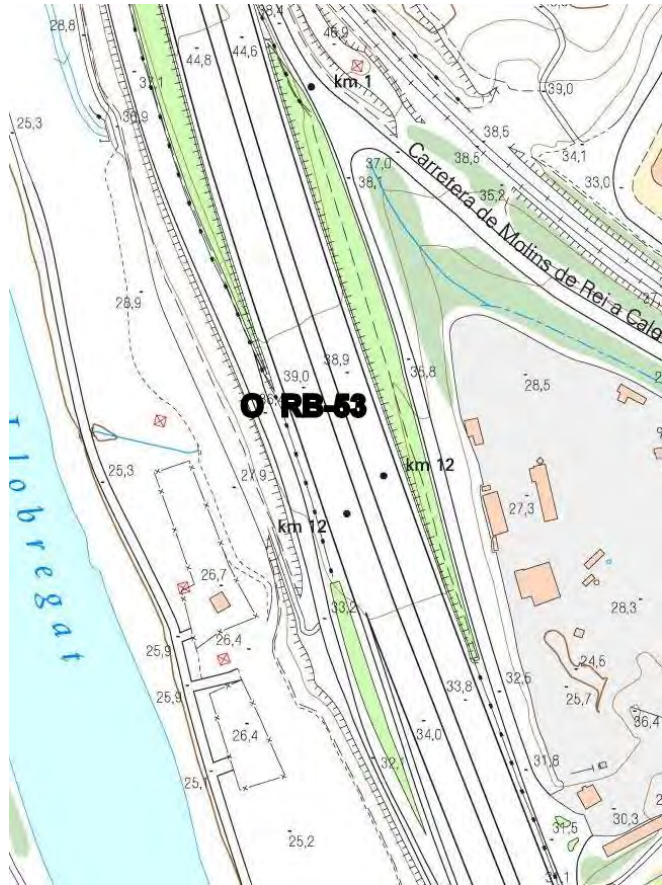
CROQUIS:	RESEÑA:	COORDENADAS:
P.A. Nº: 9063 	Esquina losa de pasarela sobre canal. Cota losa	FOTOGRAMA: 7730 PASADA Nº: 3 X= 418143,140 Y= 4582091,808 Z= 18,716 NOTA:
P.A. Nº: 9064 	Esquina informal. Cota asfalto	FOTOGRAMA: 7745 PASADA Nº: 1 X= 418748,304 Y= 4584913,005 Z= 80,727 NOTA:
P.A. Nº: 9065 	Esquina paso de peatones. Cota asfalto	FOTOGRAMA: 7745 PASADA Nº: 1 X= 418839,728 Y= 4584359,491 Z= 31,307 NOTA:
P.A. Nº: 9066 	Centro pino pequeño. Cota terreno	FOTOGRAMA: 7745 PASADA Nº: 1 X= 419320,471 Y= 4584112,273 Z= 85,409 NOTA:

Nota: Las coordenadas indicadas son del Sistema ED50. En el apartado 3.10.2. se incluyen también las coordenadas transformadas al Sistema ETRS89.

Reseñas de Puntos de Apoyo Aerotriangulados						
Punto de Apoyo			1111	Situación		Croquis
Coordenadas U.T.M.	(ED50)	(ETRS89)	Esquina caseta. Cota suelo.			
X	416855,350	416761,363				
Y	4587065,080	4586861,016				
Z	31,150					
Pasada		2				
Fotograma		7712	Altura Señal			
Punto de Apoyo			1112	Situación		Croquis
Coordenadas U.T.M.	(ED50)	(ETRS89)	Esquina paso de peatones. Cota suelo.			
X	417558,780	417464,774				
Y	4585612,760	4585408,682				
Z	28,650					
Pasada		2				
Fotograma		7716	Altura Señal			
Punto de Apoyo			1113	Situación		Croquis
Coordenadas U.T.M.	(ED50)	(ETRS89)	Esquina caseta. Cota suelo.			
X	418227,340	418133,316				
Y	4584146,911	4583942,813				
Z	24,883					
Pasada		2				
Fotograma		7720	Altura Señal			
Punto de Apoyo			1114	Situación		Croquis
Coordenadas U.T.M.	(ED50)	(ETRS89)	Centro poste. Cota arriba.			
X	418895,915	418801,872				
Y	4582627,833	4582423,709				
Z	18,826					
Pasada		2				
Fotograma		7724	Altura Señal			

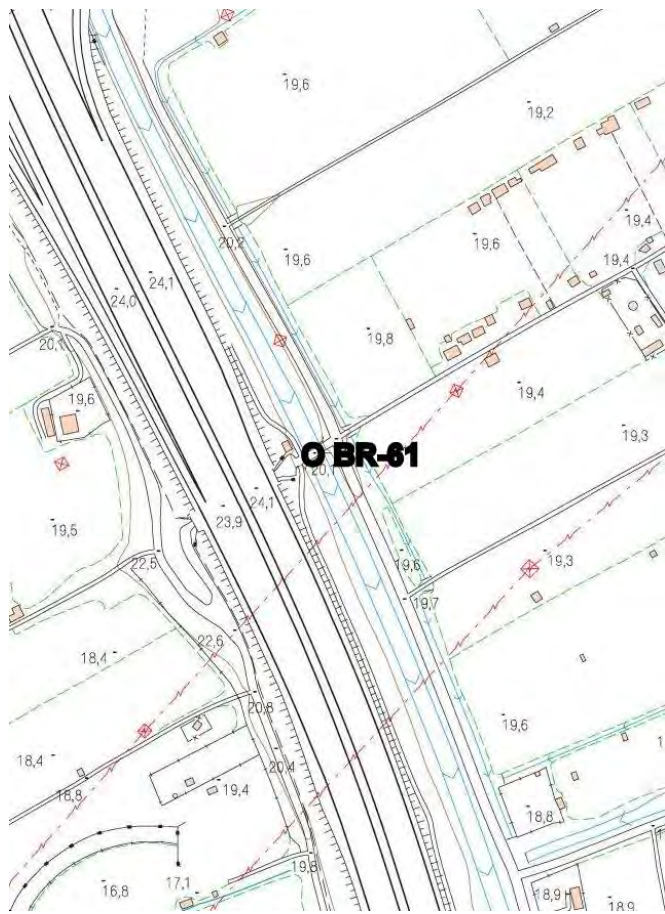
Reseñas de Puntos de Apoyo Aerotriangulados							
Punto de Apoyo			1115		Situación		Croquis
Coordenadas U.T.M.	(ED50)	(ETRS89)		Vértice línea blanca. Cota suelo.			
X	417793,288	417699,252					
Y	4582974,616	4582770,515					
Z	20,368						
Pasada		3					
Fotograma		7731		Altura Señal			
Punto de Apoyo			1116		Situación		Croquis
Coordenadas U.T.M.	(ED50)	(ETRS89)		Esquina caseta. Cota suelo.			
X	416660,722	416566,721					
Y	4585731,174	4585527,106					
Z	27,253						
Pasada		3					
Fotograma		7738		Altura Señal			
Punto de Apoyo					Situación		Croquis
Coordenadas U.T.M.	(ED50)	(ETRS89)					
X							
Y							
Z							
Pasada							
Fotograma				Altura Señal			
Punto de Apoyo					Situación		Croquis
Coordenadas U.T.M.							
X							
Y							
Z							
Pasada							
Fotograma				Altura Señal			
Fotograma				Altura Señal			

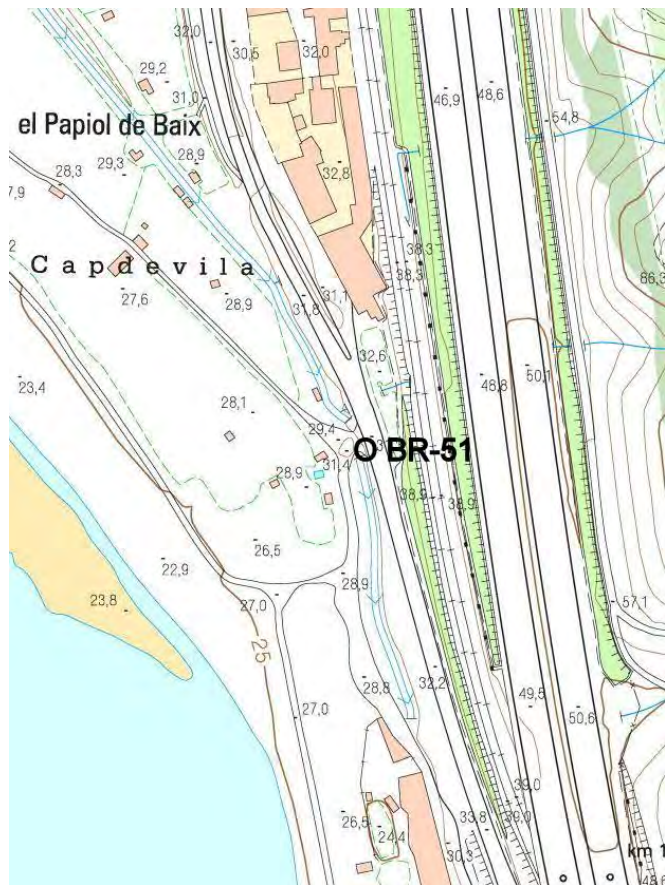
3.6.- RESEÑAS DE LA RED BÁSICA Y PUNTOS NIVELADOS

Reseñas Red Básica					
Vértice	RB-1		Municipio	Molins de Rei	
			Provincia	Barcelona	
			MTN50	420	
			Huso	31	
Coordenadas U.T.M.			Coordenadas Geográficas		
S. Referencia	ED50	ETRS89	S. Referencia	ED50	ETRS89
X	417102,204	417008,207	Longitud	2°0'28,77346" E	2°0'24,62285" E
Y	4586287,313	4586083,243	Latitud	41°25'23,32556" N	41°25'19,28275" N
H Ortométrica	36,660		Factor Escala	0,999684435	0,99968476
H Elipsoidal			Convergencia	0°39'23"	0°39'26"
Situación					
En borde de arcén de la carretera C-1413a.					
Acceso					
Señal Clavo de acero					
Horizonte G.P.S. Despejado					
Vértices Observables					
Referencias					
A:	B:	C:	Croquis de Detalle		
					
Plano de Situación			Fotografía		

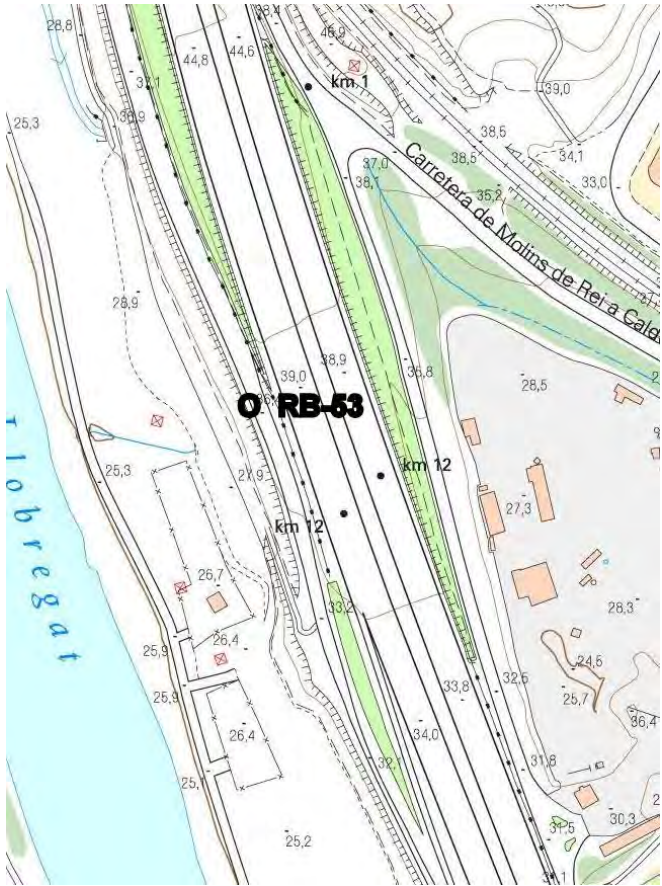
Reseña de Red Basica					
Base	RB-2		Municipio	Molins de Rei	
			Provincia	Barcelona	
			MTN50	420	
Coordenadas U.T.M.			Coordenadas Geográficas		
S. Referencia	ED50	ETRS89	S. Referencia	ED50	ETRS89
X	417623,753	417529,738	Longitud	2°0'51,95623" E	2°0'47,80633" E
Y	4584823,172	4584619,088	Latitud	41°24'36,04896" N	41°24'32,00448" N
H Ortométrica	32,260		Factor Escala	0,999683376	0,99968370
H Elipsoidal			Convergencia	0°39'07"	0°39'10"
Situación					
Sobre la acera de hormigón del puente de acceso a Molins de Rei.					
Acceso					
Señal Clavo de acero					
Horizonte G.P.S. Despejado					
Vértices Observables					
Referencias					
A:	B:	C:	Croquis de Detalle		
					
Plano de Situación			Fotografía		

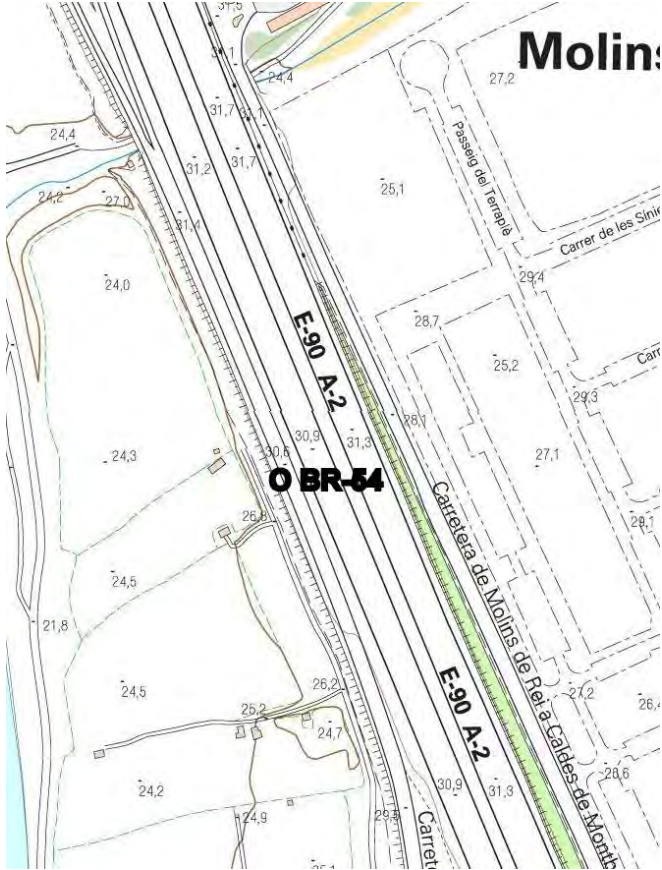
Reseña de Red Basica					
Base	RB-3		Municipio	Molins de Rei	
			Provincia	Barcelona	
			MTN50	420	
Coordenadas U.T.M.			Coordenadas Geográficas		
S. Referencia	ED50	ETRS89	S. Referencia	ED50	ETRS89
X	418641,257	418547,221	Longitud	2°1'36,58751" E	2°1'32,43889" E
Y	4583144,236	4582940,122	Latitud	41°23'41,98799" N	41°23'37,94138" N
H Ortométrica	27,837		Factor Escala	0,999681329	0,99968165
H Elipsoidal			Convergencia	0°38'37"	0°38'39"
Situación					
Sobre el bordillo de una canaleta de desagüe de la rotonda.					
Acceso					
Señal Clavo de acero					
Horizonte G.P.S. Despejado					
Vértices Observables					
Referencias					
A:	B:	C:	Croquis de Detalle		
					
Plano de Situación			Fotografía		

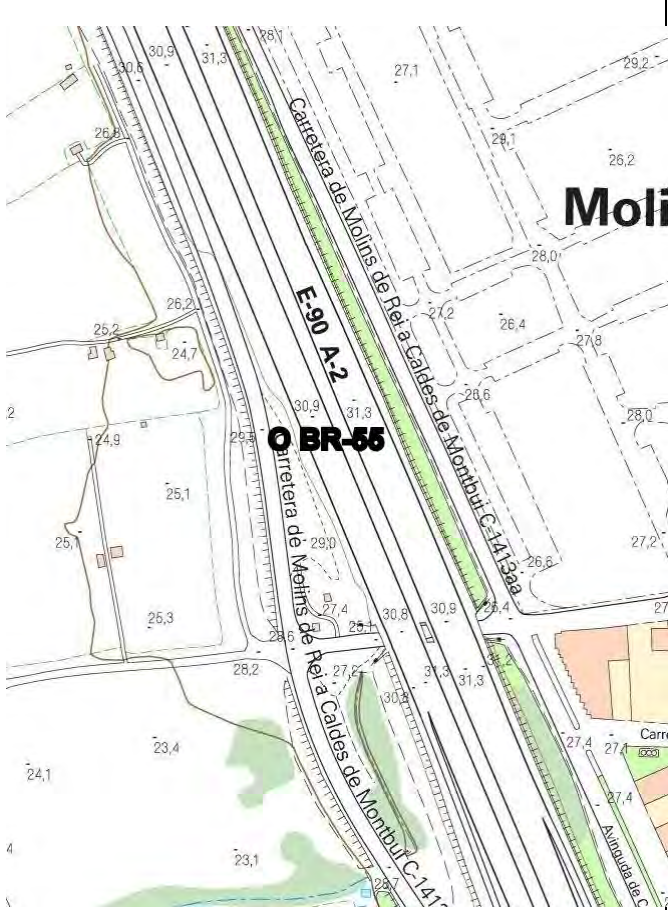
Reseña de Red Basica					
Base	RB-4		Municipio	Molins de Rei	
			Provincia	Barcelona	
			MTN50	420	
Huso			31		
Coordenadas U.T.M.			Coordenadas Geográficas		
S. Referencia	ED50	ETRS89	S. Referencia	ED50	ETRS89
X	418722,533	418628,491	Longitud	2°1'40,34167" E	2°1'36,16619" E
Y	4582672,683	4582468,562	Latitud	41°23'26,72897" N	41°23'22,68174" N
H Ortométrica	20,493		Factor Escala	0,999681166	0,99968148
H Elipsoidal			Convergencia	0°38'34"	0°38'37"
Situación					
Sobre la losa de hormigón de un puente que cruza el canal paralelo a la Autopista.					
Acceso					
Señal Clavo de acero					
Horizonte G.P.S. Despejado					
Vértices Observables					
Referencias					
A:	B:	C:	Croquis de Detalle		
					
Plano de Situación			Fotografía		

Reseña Red Nivelación					
Base	N-51		Municipio	Molins de Rei	
			Provincia	Barcelona	
			MTN50	420	
Huso			31		
Coordenadas U.T.M.			Coordenadas Geográficas		
S. Referencia	ED50	ETRS89	S. Referencia	ED50	ETRS89
X			Longitud		
Y			Latitud		
H Ortométrica	30.554		Factor Escala		
H Elipsoidal			Convergencia		
Situación					
Borde arcén de la carretera C-1413a					
Acceso					
Señal Clavo de acero con cabeza esférica					
Horizonte G.P.S. Despejado					
Vértices Observables					
Referencias					
A:	B:	C:	Croquis de Detalle		
					
Plano de Situación			Fotografía		

Reseña de Red Nivelación					
Base	N-52		Municipio	Molins de Rei	
			Provincia	Barcelona	
			MTN50	420	
			Huso	31	
Coordenadas U.T.M.			Coordenadas Geográficas		
S. Referencia	ED50	ETRS89	S. Referencia	ED50	ETRS89
X			Longitud		
Y			Latitud		
H Ortométrica	36.690		Factor Escala		
H Elipsoidal			Convergencia		
Situación			Croquis de Detalle		
Bloque de hormigón entre carretera C-1413a y puente de la A-2					
Acceso					
Señal Clavo de acero con arandela					
Horizonte G.P.S. Despejado					
Vértices Observables					
Referencias					
A:	B:	C:			
Plano de Situación			Fotografía		

Reseña de Red Nivelación					
Base	N-53		Municipio Provincia MTN50	Molins de Rei Barcelona 420	Huso 31
Coordenadas U.T.M.			Coordenadas Geográficas		
S. Referencia X Y H Ortométrica H Elipsoidal	ED50 36.660	ETRS89	S. Referencia Longitud Latitud Factor Escala Convergencia	ED50	ETRS89
Situación Borde arcén de la carretera C-1413a					
Acceso					
Señal Clavo de acero con cabeza esférica Horizonte G.P.S. Despejado Vértices Observables Referencias					
A: B: C:					
			Croquis de Detalle		
					
Plano de Situación			Fotografía		

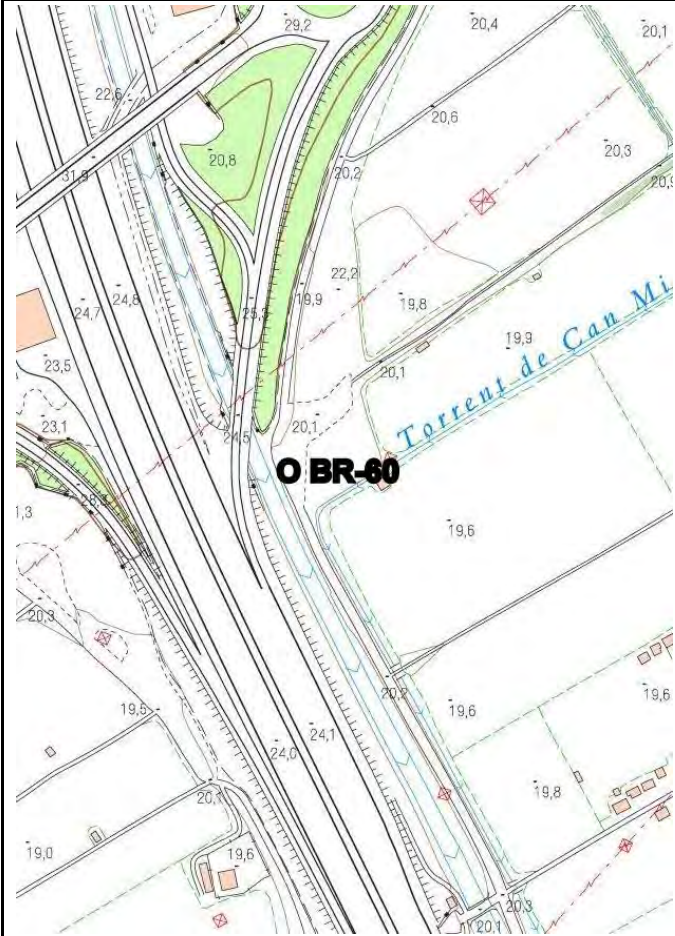
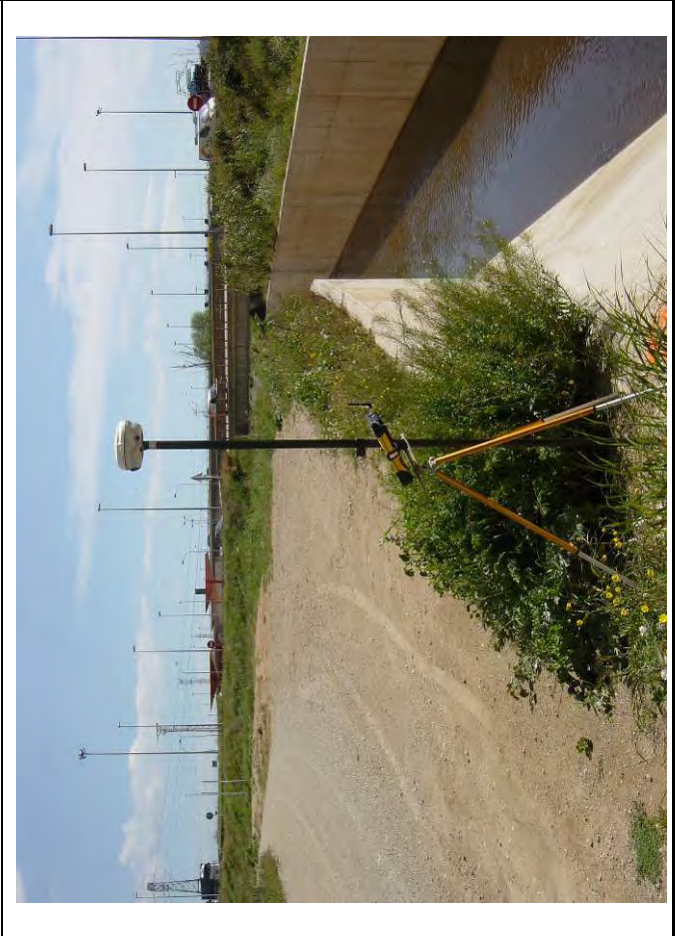
Reseña de Red Nivelación					
Base	N-54		Municipio Provincia MTN50	Molins de Rei Barcelona 420	Huso 31
Coordenadas U.T.M.			Coordenadas Geográficas		
S. Referencia	ED50	ETRS89	S. Referencia	ED50	ETRS89
X			Longitud		
Y			Latitud		
H Ortométrica	30.324		Factor Escala		
H Elipsoidal			Convergencia		
Situación Bajante canaleta en la carretera C-1413a					
Acceso					
Señal Clavo de acero con arandela					
Horizonte G.P.S. Despejado					
Vértices Observables					
Referencias					
A:	B:	C:	Croquis de Detalle		
					
Plano de Situación			Fotografía		

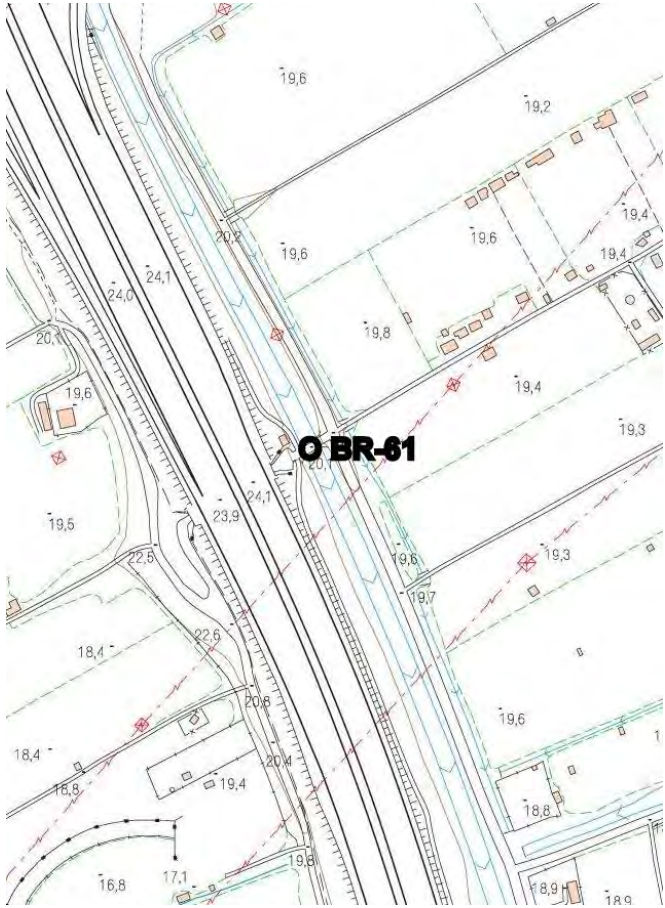
Reseña de Red Nivelación					
Base	N-55		Municipio Provincia MTN50	Molins de Rei Barcelona 420	Huso 31
Coordenadas U.T.M.			Coordenadas Geográficas		
S. Referencia	ED50	ETRS89	S. Referencia	ED50	ETRS89
X			Longitud		
Y			Latitud		
H Ortométrica	29.750		Factor Escala		
H Elipsoidal			Convergencia		
Situación Borde arcén de la carretera C-1413a					
Acceso					
Señal Clavo de acero con cabeza esférica					
Horizonte G.P.S. Despejado					
Vértices Observables					
Referencias					
A:	B:	C:	Croquis de Detalle		
					
Plano de Situación			Fotografía		

Reseña de Red Nivelación					
Base	N-56		Municipio	Molins de Rei	
			Provincia	Barcelona	
			MTN50	420	
			Huso	31	
Coordenadas U.T.M.			Coordenadas Geográficas		
S. Referencia	ED50	ETRS89	S. Referencia	ED50	ETRS89
X			Longitud		
Y			Latitud		
H Ortométrica	29.023		Factor Escala		
H Elipsoidal			Convergencia		
Situación					
Borde arcén de la carretera C-1413a					
Acceso					
Señal Clavo de acero con cabeza esférica					
Horizonte G.P.S. Despejado					
Vértices Observables					
Referencias					
A:	B:	C:	Croquis de Detalle		
					
Plano de Situación			Fotografía		

Reseña de Red Nivelación					
Base	N-57		Municipio	Molins de Rei	
			Provincia	Barcelona	
			MTN50	420	
Huso			31		
Coordenadas U.T.M.			Coordenadas Geográficas		
S. Referencia	ED50	ETRS89	S. Referencia	ED50	ETRS89
X			Longitud		
Y			Latitud		
H Ortométrica	32.260		Factor Escala		
H Elipsoidal			Convergencia		
Situación					
Acera de hormigón sobre puente de acceso a Molins de Rei					
Acceso					
Señal Clavo de acero con arandela					
Horizonte G.P.S. Despejado					
Vértices Observables					
Referencias					
A:	B:	C:	Croquis de Detalle		
					
Plano de Situación			Fotografía		

Reseña Red Nivelación					
Base	N-59		Municipio	Molins de Rei	
			Provincia	Barcelona	
			MTN50	420	
			Huso	31	
Coordenadas U.T.M.			Coordenadas Geográficas		
S. Referencia	ED50	ETRS89	S. Referencia	ED50	ETRS89
X			Longitud		
Y			Latitud		
H Ortométrica	27.837		Factor Escala		
H Elipsoidal			Convergencia		
Situación			Croquis de Detalle		
Bordillo canaleta en rotonda					
Acceso					
Señal Clavo de acero con cabeza esférica					
Horizonte G.P.S. Despejado					
Vértices Observables					
Referencias					
A:	B:	C:			
					
Plano de Situación			Fotografía		

Reseña de Red Nivelación					
Base	N-60		Municipio	Molins de Rei	
			Provincia	Barcelona	
			MTN50	420	
			Huso	31	
Coordenadas U.T.M.			Coordenadas Geográficas		
S. Referencia	ED50	ETRS89	S. Referencia	ED50	ETRS89
X			Longitud		
Y			Latitud		
H Ortométrica	20.287		Factor Escala		
H Elipsoidal			Convergencia		
Situación					
Hormigón canal paralelo a A-2					
Acceso					
Señal Clavo de acero con cabeza esférica					
Horizonte G.P.S. Despejado					
Vértices Observables					
Referencias					
A:	B:	C:	Croquis de Detalle		
					
Plano de Situación			Fotografía		

Reseña Red Nivelación					
Base	N-61		Municipio	Molins de Rei	
			Provincia	Barcelona	
			MTN50	420	
Huso			31		
Coordenadas U.T.M.			Coordenadas Geográficas		
S. Referencia	ED50	ETRS89	S. Referencia	ED50	ETRS89
X			Longitud		
Y			Latitud		
H Ortométrica	20.493		Factor Escala		
H Elipsoidal			Convergencia		
Situación					
Puente sobre canal paralelo a A-2					
Acceso					
Señal Clavo de acero con arandela					
Horizonte G.P.S. Despejado					
Vértices Observables					
Referencias					
A:	B:	C:	Croquis de Detalle		
					
Plano de Situación			Fotografía		

Reseña de Red Nivelación					
Base	N-62		Municipio	Molins de Rei	
			Provincia	Barcelona	
			MTN50	420	
			Huso	31	
Coordenadas U.T.M.			Coordenadas Geográficas		
S. Referencia	ED50	ETRS89	S. Referencia	ED50	ETRS89
X			Longitud		
Y			Latitud		
H Ortométrica	21.065		Factor Escala		
H Elipsoidal			Convergencia		
Situación					
Hormigón tapa de registro junto canal paralelo a A-2					
Acceso					
Señal Clavo de acero con cabeza esférica					
Horizonte G.P.S. Despejado					
Vértices Observables					
Referencias					
A:	B:	C:	Croquis de Detalle		
					
Plano de Situación			Fotografía		

Reseña de Red Nivelación					
Base	N-63		Municipio	Molins de Rei	
			Provincia	Barcelona	
			MTN50	420	
Coordenadas U.T.M.			Coordenadas Geográficas		
S. Referencia	ED50	ETRS89	S. Referencia	ED50	ETRS89
X			Longitud		
Y			Latitud		
H Ortométrica	21.494		Factor Escala		
H Elipsoidal			Convergencia		
Situación					
Hormigón canal paralelo a A-2					
Acceso					
Señal Clavo de acero con arandela					
Horizonte G.P.S. Despejado					
Vértices Observables					
Referencias					
A:	B:	C:	Croquis de Detalle		
Plano de Situación			Fotografía		

Reseña de Red Nivelación					
Base	N-64		Municipio	Molins de Rei	
			Provincia	Barcelona	
			MTN50	420	
			Huso	31	
Coordenadas U.T.M.			Coordenadas Geográficas		
S. Referencia	ED50	ETRS89	S. Referencia	ED50	ETRS89
X			Longitud		
Y			Latitud		
H Ortométrica	22.580		Factor Escala		
H Elipsoidal			Convergencia		
Situación					
Puente sobre canal paralelo a A-2					
Acceso					
Señal Clavo de acero con arandela					
Horizonte G.P.S. Despejado					
Vértices Observables					
Referencias					
A:	B:	C:	Croquis de Detalle		
					
Plano de Situación			Fotografía		

3.7.- LIBRETAS DE CAMPO DE NIVELACIÓN Y CÁLCULO

60	1	B	3	3 Rb	1.6774 HD	76.24 SR	0.0001
61	2	B	3	3 Rf	1.4970 HD	56.21 SR	0.0001
62	2	B	3	3 Rb	1.4271 HD	77.02 SR	0.0002
63	3	B	3	3 Rf	1.6605 HD	74.59 SR	0.0002
64	3	B	3	3 Rb	1.6064 HD	77.14 SR	0.0003
65	4	B	3	3 Rf	1.2889 HD	122.32 SR	0.0002
66	4	B	3	3 Rb	1.9291 HD	60.11 SR	0.0001
67	5	B	3	3 Rf	0.9271 HD	14.97 SR	0.0000
68	5	B	3	3 Rb	1.1296 HD	67.27 SR	0.0001
69	6	B	3	3 Rf	2.0363 HD	72.14 SR	0.0000
70	6	B	3	3 Rb	2.0910 HD	80.53 SR	0.0000
71	7	B	3	3 Rf	1.6360 HD	75.11 SR	0.0001
72	7	B	3	3 Rb	1.5793 HD	39.42 SR	0.0001
73	8	B	3	3 Rf	1.6350 HD	53.20 SR	0.0001
74	8	B	3	3 Rb	2.3506 HD	75.62 SR	0.0003
75	9	B	3	3 Rf	1.4860 HD	70.80 SR	0.0001
76	9	B	3	3 Rb	1.8150 HD	78.62 SR	0.0002
77	10	B	3	3 Rf	1.3084 HD	53.01 SR	0.0001
78	10	B	3	3 Rb	2.0723 HD	64.40 SR	0.0001
79	11	B	3	3 Rf	1.2120 HD	72.74 SR	0.0000
80	11	B	3	3 Rb	1.7276 HD	73.20 SR	0.0000
81	12	B	3	3 Rf	1.3438 HD	59.31 SR	0.0001
82	12	B	3	3 Rb	2.0479 HD	55.22 SR	0.0002
83	13	B	3	3 Rf	1.1256 HD	29.47 SR	0.0001
84	13	B	3	3 Rb	3.8582 HD	21.35 SR	0.0000
85	14	B	3	3 Rf	1.1003 HD	41.95 SR	0.0001
86	14	B	3	3 Rb	3.8854 HD	104.21 SR	0.0001
87	15	B	3	3 Rf	0.8601 HD	31.04 SR	0.0000
88	15	B	3	3 Rb	2.0150 HD	43.12 SR	0.0002
89	16	B	3	3 Rf	1.1471 HD	42.43 SR	0.0002
90	16	B	3	3 Rb	1.0751 HD	42.56 SR	0.0002
91	17	B	3	3 Rf	2.8889 HD	57.95 SR	0.0001
92	17	B	3	3 Rb	0.2063 HD	51.22 SR	0.0001
93	18	B	3	3 Rf	3.0656 HD	43.70 SR	0.0001
94	18	B	3	3 Rb	0.8509 HD	4.62 SR	0.0000
95	19	B	3	3 Rf	2.8131 HD	12.51 SR	0.0000
96	19	B	3	3 Rb	1.4006 HD	32.05 SR	0.0000
97	20	B	3	3 Rf	2.2562 HD	59.08 SR	0.0001
98	20	B	3	3 Rb	1.3798 HD	48.51 SR	0.0001
99	21	B	3	3 Rf	1.7884 HD	72.95 SR	0.0002
100	21	B	3	3 Rb	1.3319 HD	76.41 SR	0.0002
101	22	B	3	3 Rf	1.9273 HD	60.89 SR	0.0002
102	22	B	3	3 Rb	1.3250 HD	31.54 SR	0.0002
103	23	B	3	3 Rf	1.9752 HD	74.34 SR	0.0003
104	23	B	3	3 Rb	1.2427 HD	74.89 SR	0.0002
105	24	B	3	3 Rf	1.5410 HD	69.43 SR	0.0002
106	24	B	3	3 Rb	1.5219 HD	30.69 SR	0.0001
107	25	B	3	3 Rf	2.2649 HD	33.73 SR	0.0001
108	25	B	3	3 Rb	1.5656 HD	73.64 SR	0.0002
109	26	B	3	3 Rf	1.6313 HD	70.11 SR	0.0002
110	26	B	3	3 Rb	1.7797 HD	77.82 SR	0.0002
111	27	B	3	3 Rf	2.2182 HD	71.19 SR	0.0001
112	27	B	3	3 Rb	1.8023 HD	46.28 SR	0.0000
113	28	B	3	3 Rf	1.0240 HD	47.89 SR	0.0001
114	28	B	3	3 Rb	1.7442 HD	4.49 SR	0.0000
115	29	B	3	3 Rf	1.5103 HD	6.18 SR	0.0000
116	29	B	3	3 Rb	1.1193 HD	84.50 SR	0.0002
117	30	B	3	3 Rf	2.3405 HD	72.12 SR	0.0001
118	30	B	3	3 Rb	1.5135 HD	75.64 SR	0.0001

119	31	B	3	3 Rf	1.7590 HD	71.26 SR	0.0000
120	31	B	3	3 Rb	2.0819 HD	58.25 SR	0.0003
121	32	B	3	3 Rf	1.7012 HD	47.10 SR	0.0001
122	32	B	3	3 Rb	1.4866 HD	74.12 SR	0.0003
123	33	B	3	3 Rf	1.6909 HD	72.09 SR	0.0002
124	33	B	3	3 Rb	1.4959 HD	59.85 SR	0.0001
125	34	B	3	3 Rf	1.7198 HD	77.09 SR	0.0001
126	62	B		3 Sh	0.0047 dz	-0.0047 Z	100.0000
127	62	B	34	3 Db	2018.26 Df	1961.89 Z	100.0047
128	Final línea			3			
129	Principio Línea			AD	4		
130	57	B		4		Z	100.0000
131	57	B	3	4 Rb	0.7084 HD	43.43 SR	0.0003
132	1	B	3	4 Rf	3.6071 HD	47.60 SR	0.0001
133	1	B	3	4 Rb	0.2321 HD	30.77 SR	0.0001
134	2	B	3	4 Rf	2.7376 HD	44.13 SR	0.0001
135	2	B	3	4 Rb	2.7326 HD	59.34 SR	0.0002
136	3	B	3	4 Rf	0.2957 HD	54.96 SR	0.0002
137	3	B	3	4 Rb	2.8686 HD	66.89 SR	0.0001
138	4	B	3	4 Rf	1.3502 HD	61.92 SR	0.0001
139	4	B	3	4 Rb	0.4330 HD	51.64 SR	0.0003
140	5	B	3	4 Rf	2.2931 HD	48.55 SR	0.0002
141	5	B	3	4 Rb	1.3756 HD	37.16 SR	0.0001
142	6	B	3	4 Rf	1.3013 HD	51.13 SR	0.0001
143	6	B	3	4 Rb	1.5974 HD	85.76 SR	0.0001
144	7	B	3	4 Rf	0.8706 HD	97.09 SR	0.0001
145	7	B	3	4 Rb	1.4804 HD	82.78 SR	0.0002
146	8	B	3	4 Rf	1.1129 HD	69.40 SR	0.0001
147	8	B	3	4 Rb	1.6256 HD	83.44 SR	0.0001
148	9	B	3	4 Rf	1.4180 HD	26.76 SR	0.0002
149	9	B	3	4 Rb	1.9960 HD	70.08 SR	0.0001
150	10	B	3	4 Rf	0.9419 HD	77.92 SR	0.0001
151	10	B	3	4 Rb	1.8539 HD	77.98 SR	0.0002
152	11	B	3	4 Rf	0.2244 HD	58.70 SR	0.0002
153	11	B	3	4 Rb	3.5390 HD	66.59 SR	0.0001
154	12	B	3	4 Rf	0.8613 HD	94.17 SR	0.0002
155	12	B	3	4 Rb	2.2124 HD	63.47 SR	0.0001
156	13	B	3	4 Rf	1.2392 HD	54.67 SR	0.0002
157	13	B	3	4 Rb	1.2389 HD	54.70 SR	0.0002
158	14	B	3	4 Rf	2.1402 HD	59.55 SR	0.0001
159	14	B		4 Sh	3.5004 dz	-3.5004 Z	100.0000
160	14	B	14	4 Db	874.03 Df	846.55 Z	103.5004
161	Final línea			4			
162	Principio Línea			AD	5		
163	53	B		5		Z	100.0000
164	53	B	3	5 Rb	1.1110 HD	62.11 SR	0.0001
165	1	B	3	5 Rf	2.1242 HD	59.87 SR	0.0000
166	1	B	3	5 Rb	0.7084 HD	62.54 SR	0.0003
167	2	B	3	5 Rf	3.0998 HD	80.29 SR	0.0001
168	2	B	3	5 Rb	0.1799 HD	53.97 SR	0.0001
169	3	B	3	5 Rf	1.9515 HD	76.81 SR	0.0002
170	3	B	3	5 Rb	1.3089 HD	58.05 SR	0.0002
171	4	B	3	5 Rf	2.0051 HD	78.73 SR	0.0001
172	4	B	3	5 Rb	1.4044 HD	17.29 SR	0.0000
173	5	B	3	5 Rf	1.8681 HD	11.10 SR	0.0000
174	5	B	3	5 Rb	1.4992 HD	46.96 SR	0.0001
175	6	B	3	5 Rf	1.7337 HD	72.10 SR	0.0001
176	6	B	3	5 Rb	1.1973 HD	59.59 SR	0.0002
177	7	B	3	5 Rf	1.5361 HD	84.41 SR	0.0000

178	7	B	3	5 Rb	0.4450 HD	80.67 SR	0.0001
179	8	B	3	5 Rf	1.1718 HD	101.22 SR	0.0002
180	8	B	3	5 Rb	1.4441 HD	74.48 SR	0.0003
181	9	B	3	5 Rf	0.8159 HD	62.53 SR	0.0002
182	9	B	3	5 Rb	2.7344 HD	59.90 SR	0.0002
183	10	B	3	5 Rf	1.9317 HD	61.66 SR	0.0001
184	10	B	3	5 Rb	0.0114 HD	77.61 SR	0.0002
185	11	B	3	5 Rf	3.6195 HD	86.50 SR	0.0001
186	11	B	3	5 Rb	2.7128 HD	52.48 SR	0.0001
187	12	B	3	5 Rf	0.0767 HD	32.35 SR	0.0000
188	12	B	3	5 Rb	3.2765 HD	44.22 SR	0.0001
189	13	B	3	5 Rf	0.4976 HD	47.09 SR	0.0000
190	13	B		5 Sh	-4.3984 dz	4.3984 Z	100.0000
191	13	B	13	5 Db	749.87 Df	854.66 Z	95.6016
192	Final línea			5			
193	Principio Línea			AD	6		
194	53	B		6		Z	100.0000
195	53	B	3	6 Rb	2.2172 HD	90.78 SR	0.0002
196	1	B	3	6 Rf	2.1874 HD	87.68 SR	0.0002
197	1	B	3	6 Rb	0.1767 HD	42.25 SR	0.0001
198	2	B	3	6 Rf	2.5546 HD	49.36 SR	0.0001
199	2	B	3	6 Rb	0.3354 HD	47.80 SR	0.0000
200	3	B	3	6 Rf	2.5630 HD	46.04 SR	0.0003
201	3	B	3	6 Rb	0.9354 HD	51.83 SR	0.0001
202	4	B	3	6 Rf	2.4717 HD	97.32 SR	0.0001
203	4	B	3	6 Rb	2.4715 HD	97.45 SR	0.0001
204	5	B	3	6 Rf	0.9829 HD	49.45 SR	0.0002
205	5	B	3	6 Rb	2.9819 HD	62.39 SR	0.0001
206	6	B	3	6 Rf	0.6045 HD	37.58 SR	0.0001
207	6	B	3	6 Rb	3.1016 HD	59.09 SR	0.0001
208	7	B	3	6 Rf	0.8319 HD	28.23 SR	0.0001
209	7	B	3	6 Rb	2.1721 HD	92.52 SR	0.0002
210	8	B	3	6 Rf	2.2029 HD	86.55 SR	0.0003
211	53	B		6 Sh	-0.0071 dz	0.0071 Z	100.0000
212	53	B	8	6 Db	544.11 Df	482.21 Z	99.9929
213	Final línea			6			
214	Principio Línea			AD	7		
215	51	B		7		Z	100.0000
216	51	B	3	7 Rb	1.4550 HD	69.77 SR	0.0001
217	1	B	3	7 Rf	1.0481 HD	74.13 SR	0.0001
218	1	B	3	7 Rb	1.9300 HD	74.59 SR	0.0002
219	2	B	3	7 Rf	1.2432 HD	79.06 SR	0.0002
220	2	B	3	7 Rb	2.2377 HD	78.19 SR	0.0001
221	3	B	3	7 Rf	1.0343 HD	79.20 SR	0.0001
222	3	B	3	7 Rb	1.6130 HD	116.59 SR	0.0001
223	4	B	3	7 Rf	1.1783 HD	66.97 SR	0.0002
224	4	B	3	7 Rb	2.2849 HD	88.59 SR	0.0002
225	5	B	3	7 Rf	2.0946 HD	78.08 SR	0.0001
226	5	B	3	7 Rb	1.3668 HD	79.91 SR	0.0002
227	6	B	3	7 Rf	1.3260 HD	72.00 SR	0.0001
228	6	B	3	7 Rb	1.5806 HD	81.83 SR	0.0001
229	7	B	3	7 Rf	0.4417 HD	56.10 SR	0.0002
230	7	B	3	7 Rb	0.4131 HD	56.16 SR	0.0003
231	8	B	3	7 Rf	1.5522 HD	81.75 SR	0.0002
232	8	B	3	7 Rb	1.3281 HD	90.88 SR	0.0003
233	9	B	3	7 Rf	1.3699 HD	61.21 SR	0.0002
234	9	B	3	7 Rb	2.1207 HD	76.26 SR	0.0002
235	10	B	3	7 Rf	2.3115 HD	91.34 SR	0.0001
236	10	B	3	7 Rb	1.1730 HD	70.32 SR	0.0001

237	11	B	3	7 Rf	1.6076 HD	112.98 sR	0.0002
238	11	B	3	7 Rb	1.0218 HD	79.19 sR	0.0003
239	12	B	3	7 Rf	2.2252 HD	78.11 sR	0.0002
240	12	B	3	7 Rb	1.2069 HD	77.65 sR	0.0003
241	13	B	3	7 Rf	1.9249 HD	80.25 sR	0.0003
242	13	B	3	7 Rb	1.1022 HD	77.86 sR	0.0001
243	14	B	3	7 Rf	1.4782 HD	61.38 sR	0.0002
244	50	B		7 Sh	-0.0019 dz	0.0019 Z	100.0000
245	50	B	14	7 Db	1117.79 Df	1072.56 Z	99.9981
246	Final línea			7			
247	Principio Línea			AD	8		
248	50	B		8		Z	100.0000
249	50	B	3	8 Rb	3.3419 HD	66.19 sR	0.0001
250	1	B	3	8 Rf	0.1222 HD	55.74 sR	0.0003
251	1	B	3	8 Rb	2.7588 HD	51.19 sR	0.0002
252	2	B	3	8 Rf	0.4752 HD	34.60 sR	0.0001
253	2	B	3	8 Rb	3.9086 HD	52.14 sR	0.0001
254	3	B	3	8 Rf	0.1100 HD	28.43 sR	0.0001
255	3	B	3	8 Rb	3.8097 HD	45.90 sR	0.0002
256	4	B	3	8 Rf	0.1615 HD	32.63 sR	0.0001
257	4	B	3	8 Rb	3.8333 HD	50.31 sR	0.0003
258	5	B	3	8 Rf	0.3128 HD	45.18 sR	0.0002
259	5	B	3	8 Rb	2.0967 HD	67.71 sR	0.0002
260	6	B	3	8 Rf	2.2914 HD	50.70 sR	0.0002
261	6	B	3	8 Rb	0.6133 HD	32.72 sR	0.0001
262	7	B	3	8 Rf	3.8151 HD	83.22 sR	0.0003
263	7	B	3	8 Rb	0.7423 HD	67.09 sR	0.0002
264	8	B	3	8 Rf	1.3187 HD	67.56 sR	0.0001
265	8	B	3	8 Rb	2.1660 HD	69.81 sR	0.0002
266	9	B	3	8 Rf	2.9164 HD	72.11 sR	0.0002
267	9	B	3	8 Rb	0.0743 HD	60.85 sR	0.0002
268	10	B	3	8 Rf	2.8612 HD	44.22 sR	0.0000
269	10	B	3	8 Rb	2.8271 HD	44.34 sR	0.0001
270	11	B	3	8 Rf	0.0415 HD	60.62 sR	0.0001
271	11	B	3	8 Rb	2.8577 HD	74.31 sR	0.0001
272	12	B	3	8 Rf	2.1084 HD	67.65 sR	0.0002
273	12	B	3	8 Rb	1.3717 HD	65.68 sR	0.0001
274	13	B	3	8 Rf	0.7958 HD	68.93 sR	0.0001
275	13	B	3	8 Rb	3.2986 HD	65.34 sR	0.0002
276	14	B	3	8 Rf	0.0966 HD	50.45 sR	0.0001
277	14	B	3	8 Rb	2.2836 HD	49.58 sR	0.0001
278	15	B	3	8 Rf	2.0890 HD	68.94 sR	0.0002
279	15	B	3	8 Rb	0.4524 HD	41.71 sR	0.0001
280	16	B	3	8 Rf	3.9736 HD	53.91 sR	0.0003
281	16	B	3	8 Rb	0.0418 HD	34.71 sR	0.0001
282	17	B	3	8 Rf	3.6888 HD	43.78 sR	0.0001
283	17	B	3	8 Rb	0.1219 HD	28.35 sR	0.0000
284	18	B	3	8 Rf	3.9226 HD	52.36 sR	0.0001
285	18	B	3	8 Rb	0.8714 HD	26.56 sR	0.0001
286	19	B	3	8 Rf	3.1558 HD	59.18 sR	0.0002
287	19	B	3	8 Rb	0.2193 HD	51.69 sR	0.0003
288	20	B	3	8 Rf	3.4381 HD	69.90 sR	0.0001
289	50	B		8 Sh	-0.0043 dz	0.0043 Z	100.0000
290	50	B	20	8 Db	1046.18 Df	1110.11 Z	99.9957
291	Final línea			8			
292	Principio Línea			AD	9		
293	49	B		9		Z	100.0000
294	49	B	3	9 Rb	0.2069 HD	61.14 sR	0.0002
295	1	B	3	9 Rf	1.4689 HD	90.41 sR	0.0003

296	1	B	3	9 Rb	1.4533 HD	63.44 sR	0.0001
297	2	B	3	9 Rf	0.1820 HD	59.83 sR	0.0001
298	2	B	3	9 Rb	2.6486 HD	97.07 sR	0.0002
299	3	B	3	9 Rf	0.3676 HD	20.52 sR	0.0001
300	3	B	3	9 Rb	2.8936 HD	48.64 sR	0.0002
301	4	B	3	9 Rf	0.6568 HD	27.28 sR	0.0001
302	4	B	3	9 Rb	2.2529 HD	12.45 sR	0.0000
303	5	B	3	9 Rf	1.5371 HD	25.46 sR	0.0001
304	5	B	3	9 Rb	3.3898 HD	15.82 sR	0.0001
305	6	B	3	9 Rf	0.3331 HD	10.17 sR	0.0000
306	6	B	3	9 Rb	3.5596 HD	11.11 sR	0.0001
307	7	B	3	9 Rf	0.9166 HD	12.10 sR	0.0000
308	7	B	3	9 Rb	3.0407 HD	11.82 sR	0.0000
309	8	B	3	9 Rf	1.0554 HD	11.08 sR	0.0000
310	8	B	3	9 Rb	1.0554 HD	11.09 sR	0.0000
311	9	B	3	9 Rf	3.0410 HD	11.79 sR	0.0000
312	9	B	3	9 Rb	0.6308 HD	10.12 sR	0.0000
313	10	B	3	9 Rf	3.2795 HD	9.04 sR	0.0000
314	10	B	3	9 Rb	0.2259 HD	8.51 sR	0.0001
315	11	B	3	9 Rf	3.2760 HD	14.08 sR	0.0000
316	11	B	3	9 Rb	1.5574 HD	22.71 sR	0.0000
317	12	B	3	9 Rf	2.2736 HD	13.96 sR	0.0001
318	12	B	3	9 Rb	0.5949 HD	29.20 sR	0.0001
319	13	B	3	9 Rf	2.8320 HD	46.61 sR	0.0001
320	13	B	3	9 Rb	0.3833 HD	20.52 sR	0.0000
321	14	B	3	9 Rf	2.6636 HD	97.22 sR	0.0001
322	14	B	3	9 Rb	0.1877 HD	59.33 sR	0.0001
323	15	B	3	9 Rf	1.4586 HD	63.68 sR	0.0001
324	15	B	3	9 Rb	1.4097 HD	88.07 sR	0.0002
325	16	B	3	9 Rf	0.1472 HD	63.77 sR	0.0002
326	49	B		9 Sh	0.0015 dz	-0.0015 Z	100.0000
327	49	B	16	9 Db	571.04 Df	577.00 Z	100.0015
328	Final línea			9			

END



CERTIFICADO DE CALIBRACION

SERVICIOS TECN.TOPOG.Y BATIMETRIA ,SCCL
BOFARULL, 14 BAJOS
08027 BARCELONA

N °CERTIFICADO: 30728

BARCELONA: 12-01-2009

IDENTIFICACION INSTRUMENTO

EQUIPO: NIVEL DIGITAL DINI22
MARCA: TRIMBLE

N° SERIE: 702527A
MODELO: DINI22

Temperatura ambiental: 22°C

Sala de control totalmente antiestática.
Banco de pruebas JOHANSSON antivibratorio de granito.

IDENTIFICACION DE PATRONES

Colimador 0001, 0002, 0003 y 0004 marca STANDARD-TOPCON
CODIGO CEM 118-03-4793 / TRAZABILIDAD CEM-PT- 1.6-06
según certificado CEM-C-05/0211-1.6

INCERTIDUMBRE DE PATRONES DE MEDIDAS: U=±0,7 mgon (K=2) Ang. Vertical
U=±0,7 mgon (K=2) Ang. Horizontal

PROCEDIMIENTOS

Ajuste y revisado siguiendo el método de control MI-ALT-001.

REGISTRO DE MEDIDAS

	REGISTRO ENTRADA	TOLERANCIA 100m	REGISTRO SALIDA
DESVIACION HZ ESTANDAR mm	0.03	0.07	0.03

INCERTIDUMBRE DE LAS MEDIDAS: ±0.1mm en 1km

La desviación estándar de las medidas estan referidas según la norma DIN 18723

ENTIDAD CERTIFICADORA

Laboratorio homologado según certificado 79/98-1.W., por la empresa TRIMBLE
según normas DIN EN ISO 9001:2000.

Número de registro de control metrológico: 02-D.73

Certificamos que el equipo arriba indicado ha superado las pruebas de control
que se realizan periódicamente garantizando que su funcionamiento cumple con
sus especificaciones técnicas.

PROXIMA REVISION RECOMENDADA: 12-01-2011

AL-TOP TOPOGRAFIA, S.A.
Fdo. DAVID LASHERAS



Bofarull, 14, bajos 08027 Barcelona Tel. 93 340 05 73 Fax 93 351 95 18 www.al-top.com al-top@al-top.com

F-ALT-012

3.8.- CÁLCULOS Y COMPENSACIÓN DE LA NIVELACIÓN

Base	L. Atrás	L. Frente	Desniveles
BN 61	10457		
	14981	13000	
BN 60	8919	14492	-0,205
	15919	14536	
	19075	8933	
	33050	16875	
BN 62	27375	28853	0,777
	17173	31479	
	9476	19473	
	16006	17227	
BN 60	14666	9633	-0,778
	14275	14576	
BN 61		12296	0,207
Cierre tramo	201372	201373	0,000
Long. Tramo	1519,09		
BN 62	24493		
	24884	3239	
	28927	5337	
	18589	4722	
BN 59	15808	15874	6,772
	3245	18519	
	11478	31932	
	2940	26538	
BN 62		24191	-6,771
Cierre tramo	130364	130352	0,001
Long. Tramo	515,84		
BN 62	17433		
	16774	14938	
BN 63	14271	14970	0,430
	16064	16605	
	19291	12889	
BN 64	11296	9271	1,086

Base	L. Atrás	L. Frente	Desniveles
	20910	20363	
	15793	16360	
BN 65	23506	16350	-0,507
	18150	14860	
	20723	13084	
	17276	12120	
	20479	13438	
	38582	11256	
	38854	11003	
	20150	8601	
BR 57	10751	11471	10,189
	2063	28889	
	8509	30656	
	14006	28131	
	13798	22562	
	13319	17884	
	13250	19273	
	12427	19752	
	15219	15410	
BR 65	15656	22649	-10,186
	17797	16313	
	18023	22182	
	17442	10240	
BR 64	11193	15103	0,508
	15135	23405	
	20819	17590	
BR 63	14866	17012	-1,086
	14959	16909	
BN 62		17198	-0,428
Cierre tramo	578784	578737	0,005
Long. Tramo	3980,15		
BN 57	7084		
	2321	36071	
	27326	27376	
	28686	2957	
	4330	13502	
	13756	22931	

Base	L. Atrás	L. Frente	Desniveles
BN 56	15974	13013	-3,235
BN 55	14804	8706	0,727
	16256	11129	
BN 54	19960	14180	0,575
	18539	9419	
	35390	2244	
	22124	8613	
BN 53	11110	12392	6,335
	7084	21242	
	1799	30998	
	13089	19515	
	14044	20051	
BN 54	14992	18681	-6,336
	11973	17337	
BN 55	4450	15361	-0,573
BN 56	14441	11718	-0,727
	27344	8159	
	114	19317	
	27128	36195	
	32765	767	
BN 57		4976	3,238
Cierre tramo	406883	406850	0,003
Long. Tramo	3210,86		
BN 53	22172		
BN 52	1767	21874	0,030
	3354	25546	
	9354	25630	
BN 51	24715	24717	-6,142
	29819	9829	
	31016	6045	
BN 52	21721	8319	6,136
BN 53		22029	-0,031
Cierre tramo	143918	143989	-0,007
Long.	1026,32		

Base	L. Atrás	L. Frente	Desniveles
Tramo			
BN 51	14550		
	19300	10481	
	22377	12432	
	16130	10343	
	22849	11783	
	13668	20946	
	15806	13260	
BN 50	4131	4417	4,102
	13281	15522	
	21207	13699	
	11730	23115	
	10218	16076	
	12069	22252	
	11022	19249	
BN 51		14782	-4,104
Cierre tramo	208338	208357	-0,002
Long. Tramo	2190,35		
BN 50	33419		
	27588	1222	
	39086	4752	
	38097	1100	
	38333	1615	
	20967	3128	
	6133	22914	
	7423	38151	
	21660	13187	
	743	29164	
BN 49	28271	28612	8,960
	28577	415	
	13717	21084	
	32986	7958	
	22836	966	
	4524	20890	
	418	39736	
	1219	36888	

Base	L. Atrás	L. Frente	Desniveles
	8714	39226	
	2193	31558	
BN 50		34381	-8,965
Cierre tramo	376904	376947	-0,004
Long. Tramo	2156,29		
BN 49	2069		
	14533	14689	
	26486	1820	
	28936	3676	
	22529	6568	
	33898	15371	
	35596	3331	
	30407	9166	
NAP	10554	10554	12,928
	6308	30410	
	2259	32795	
	15574	32760	
	5949	22736	
	3833	28320	
	1877	26636	
	14097	14586	
BN 49		1472	-12,926
Cierre tramo	254905	254890	0,002
Long. Tramo	1148,04		
Long. Total	15746,94		

3.9.- GRÁFICO DE NIVELACIÓN

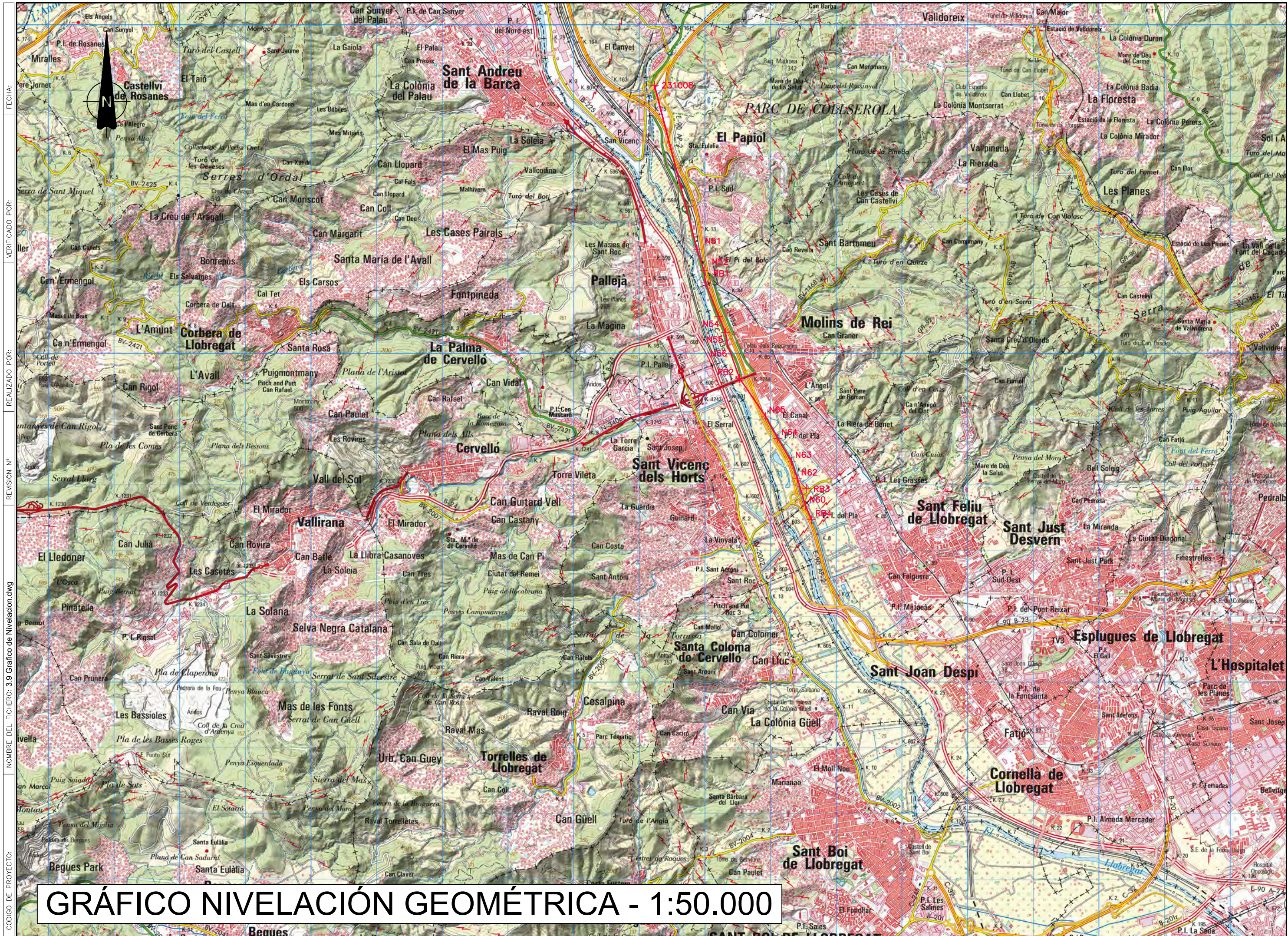


GRÁFICO NIVELACIÓN GEOMÉTRICA - 1:50.000

FECHA:
 VERIFICADO POR:
 REALIZADO POR:
 REVISIÓN N°
 NOMBRE DEL FICHERO: 3.9 Grafico de Nivelacion.dwg
 CODIGO DE PROYECTO:

3.10.- OBSERVACIONES GPS

3.10.1.- Líneas base, cálculo y ajuste

OBSERVACIONES GPS – PUNTOS DE APOYO

TRAB
Trabajo Molins de Rei

ELIPLOC
Rad local 6378388.000 Acha. 296.9999996135

LOCAL
Lat proy <nulo> D.eje norte 0.000
Long proy <nulo> D.eje este 0.000
Alt proy 0.000 Escala 1.0000000000

PROY
Mercator Transversa
Lat orig 0°00'00.00000"N Nrte orig 0.000
Lng orig 3°00'00.00000"E Este orig 500000.000
Alt orig <nulo> Elev orig <nulo>
Orient 1 <nulo> Orient 2 <nulo>
Escala 0.9996000000

DATUM
Siete parámetros
Rad orig 6378137.000 Acha orig 298.2572229329
Rotn X -0°00'02.093088" Rotn Y -0°00'00.001406"
Rotn Z -0°00'00.107709" Tras X 136.654
Tras Y 141.463 Tras Z 167.298
Escala -11.54597600

PLANO
Nrte orig <nulo> Este orig <nulo>
Tras N <nulo> Tras E <nulo>
Rotación <nulo> Escala <nulo>

AJUSALT
Modelo geoidal
Nrte orig 0.000 Pendiente N 0.000
Este orig 0.000 Pendiente E 0.000
Const ajuste 0.000
Geoide CAT70260

COORD
Nombre sistema Spain (UTM)
Nombre zona Catalunya (ICC)
Nombre datum ED 50 (Catalunya ICC 2006)
Opción sist coord Elegido de la biblioteca

VECGPS TP
ID punto 9001 DX 1763.737 DY 3917.729
Clase Normal DZ -2530.365 Código pa
Obs Area ancha fija Pr.H 0.006 Pr.V 0.009

GPSQC1 NM
Mín SVs 7 PDOP máx 1.2
DOPs relativas Sí Máx HDOP 0.6
Total pos GPS 16 Máx VDOP 1.0
Estado monitor Not monitored RMS 22.8
DT horz DT vert
Sem inic 1526 seg 126876.0 Sem fin 1526 seg 126895.0

VECGPS TP
ID punto 9002 DX 1535.484 DY 3756.728
Clase Normal DZ -2264.781 Código pa
Obs Area ancha fija Pr.H 0.006 Pr.V 0.011

GPSQC1 NM
Mín SVs 6 PDOP máx 1.3
DOPs relativas Sí Máx HDOP 0.6
Total pos GPS 16 Máx VDOP 1.1
Estado monitor Not monitored RMS 22.3
DT horz DT vert
Sem inic 1526 seg 132756.0 Sem fin 1526 seg 132771.0

VECGPS TP
ID punto 9003 DX 1239.391 DY 3627.434

Clase Normal DZ -1921.622 Código pa
Obs Area ancha fija Pr.H 0.006 Pr.V 0.011

GPSQC1 NM
Mín SVs 7 PDOP máx 1.3
DOPs relativas Sí Máx HDOP 0.6
Total pos GPS 5 Máx VDOP 1.1
Estado monitor Not monitored RMS 19.7
DT horz DT vert
Sem inic 1526 seg 133645.0 Sem fin 1526 seg 133651.0

VECGPS TP
ID punto 9004 DX 1028.375 DY 3378.093
Clase Normal DZ -1671.320 Código pa
Obs Area ancha fija Pr.H 0.006 Pr.V 0.011

GPSQC1 NM
Mín SVs 7 PDOP máx 1.2
DOPs relativas Sí Máx HDOP 0.6

Total pos GPS 6 Máx VDOP 1.1
Estado monitor Not monitored RMS 23.5
DT horz DT vert
Sem inic 1526 seg 134403.0 Sem fin 1526 seg 134410.0

VECGPS TP
ID punto 9005 DX 761.314 DY 3277.447
Clase Normal DZ -1358.990 Código pa
Obs Area ancha fija Pr.H 0.005 Pr.V 0.010

GPSQC1 NM
Mín SVs 7 PDOP máx 1.2
DOPs relativas Sí Máx HDOP 0.5
Total pos GPS 10 Máx VDOP 1.1
Estado monitor Not monitored RMS 17.8
DT horz DT vert
Sem inic 1526 seg 135373.0 Sem fin 1526 seg 135385.0

VECGPS TP
ID punto 9006 DX 572.821 DY 3053.957
Clase Normal DZ -1139.574 Código pa
Obs Area ancha fija Pr.H 0.009 Pr.V 0.015

GPSQC1 NM
Mín SVs 5 PDOP máx 1.8
DOPs relativas Sí Máx HDOP 0.9
Total pos GPS 11 Máx VDOP 1.6
Estado monitor Not monitored RMS 21.6
DT horz DT vert
Sem inic 1526 seg 136158.0 Sem fin 1526 seg 136168.0

VECGPS TP
ID punto 9007 DX 369.033 DY 2824.944
Clase Normal DZ -892.805 Código pa
Obs Area ancha fija Pr.H 0.006 Pr.V 0.017

GPSQC1 NM
Mín SVs 6 PDOP máx 1.9
DOPs relativas Sí Máx HDOP 0.7
Total pos GPS 10 Máx VDOP 1.8
Estado monitor Not monitored RMS 10.5
DT horz DT vert
Sem inic 1526 seg 137202.0 Sem fin 1526 seg 137211.0

VECGPS TP
ID punto 9008 DX 110.602 DY 2686.433
Clase Normal DZ -562.246 Código pa
Obs Area ancha fija Pr.H 0.006 Pr.V 0.013

GPSQC1 NM
Mín SVs 6 PDOP máx 1.5
DOPs relativas Sí Máx HDOP 0.6
Total pos GPS 13 Máx VDOP 1.3
Estado monitor Not monitored RMS 9.5
DT horz DT vert
Sem inic 1526 seg 140029.0 Sem fin 1526 seg 140042.0

VECGPS TP
ID punto 9009 DX -204.689 DY 2471.794
Clase Normal DZ -202.480 Código pa
Obs Area ancha fija Pr.H 0.005 Pr.V 0.007

GPSQC1 NM
Mín SVs 8 PDOP máx 0.8
DOPs relativas Sí Máx HDOP 0.5
Total pos GPS 8 Máx VDOP 0.7
Estado monitor Not monitored RMS 22.8
DT horz DT vert
Sem inic 1526 seg 141210.0 Sem fin 1526 seg 141218.0

VECGPS TP
ID punto 9010 DX -462.125 DY 2333.181
Clase Normal DZ 73.989 Código pa
Obs Area ancha fija Pr.H 0.004 Pr.V 0.005

GPSQC1 NM
Mín SVs 9 PDOP máx 0.7
DOPs relativas Sí Máx HDOP 0.4
Total pos GPS 15 Máx VDOP 0.5
Estado monitor Not monitored RMS 22.8
DT horz DT vert

Sem inic 1526 seg 142182.0 Sem fin 1526 seg 142197.0

VECGPS TP
ID punto 9011 DX -610.065 DY 2050.874
Clase Normal DZ 271.500 Código pa
Obs Area ancha fija Pr.H 0.004 Pr.V 0.005

GPSQC1 NM
Mín SVs 9 PDOP máx 0.6
DOPs relativas Sí Máx HDOP 0.4
Total pos GPS 6 Máx VDOP 0.5
Estado monitor Not monitored RMS 21.9
DT horz DT vert
Sem inic 1526 seg 143300.0 Sem fin 1526 seg 143309.0

VECGPS TP
ID punto 9012 DX -763.249 DY 1673.307
Clase Normal DZ 523.025 Código pa
Obs Area ancha fija Pr.H 0.004 Pr.V 0.006

GPSQC1 NM
Mín SVs 8 PDOP máx 0.8
DOPs relativas Sí Máx HDOP 0.5
Total pos GPS 11 Máx VDOP 0.6
Estado monitor Not monitored RMS 13.5
DT horz DT vert
Sem inic 1526 seg 145683.0 Sem fin 1526 seg 145693.0

VECGPS TP

ID punto 9013 DX -1096.348 DY 1788.553

Clase Normal DZ 826.361 Código pa

Obs Area ancha fija Pr.H 0.005 Pr.V 0.008

GPSQC1 NM

Mín SVs 8 PDOP máx 1.0

DOPs relativas Sí Máx HDOP 0.5

Total pos GPS 7 Máx VDOP 0.9

Estado monitor Not monitored RMS 14.9

DT horz DT vert

Sem inic 1526 seg 146722.0 Sem fin 1526 seg 146731.0

VECGPS TP

ID punto 9014 DX -1322.771 DY 1552.864

Clase Normal DZ 1083.892 Código pa

Obs Area ancha fija Pr.H 0.005 Pr.V 0.011

GPSQC1 NM

Mín SVs 7 PDOP máx 1.2

DOPs relativas Sí Máx HDOP 0.5

Total pos GPS 10 Máx VDOP 1.1

Estado monitor Not monitored RMS 14.6

DT horz DT vert

Sem inic 1526 seg 147214.0 Sem fin 1526 seg 147223.0

VECGPS TP

ID punto 9015 DX -1619.111 DY 1428.712

Clase Normal DZ 1482.337 Código pa

Obs Area ancha fija Pr.H 0.006 Pr.V 0.016

GPSQC1 NM

Mín SVs 7 PDOP máx 1.7

DOPs relativas Sí Máx HDOP 0.6

Total pos GPS 11 Máx VDOP 1.6

Estado monitor Not monitored RMS 20.3

DT horz DT vert

Sem inic 1526 seg 148192.0 Sem fin 1526 seg 148202.0

VECGPS TP

ID punto 9016 DX 2042.444 DY 4130.159

Clase Normal DZ -2856.641 Código pa

Obs Area ancha fija Pr.H 0.007 Pr.V 0.008

GPSQC1 NM

Mín SVs 7 PDOP máx 1.1

DOPs relativas Sí Máx HDOP 0.7

Total pos GPS 10 Máx VDOP 0.9

Estado monitor Not monitored RMS 24.6

DT horz DT vert

Sem inic 1526 seg 196215.0 Sem fin 1526 seg 196234.0

VECGPS TP

ID punto 9017 DX 2503.928 DY 4436.759

Clase Normal DZ -3393.016 Código pa

Obs Area ancha fija Pr.H 0.006 Pr.V 0.011

GPSQC1 NM

Mín SVs 6 PDOP máx 1.3

DOPs relativas Sí Máx HDOP 0.7

Total pos GPS 10 Máx VDOP 1.1

Estado monitor Not monitored RMS 20.7

DT horz DT vert

Sem inic 1526 seg 197538.0 Sem fin 1526 seg 197550.0

VECGPS TP

ID punto 9018 DX 2269.799 DY 4275.865

Clase Normal DZ -3117.295 Código pa

Obs Area ancha fija Pr.H 0.005 Pr.V 0.008

GPSQC1 NM

Mín SVs 9 PDOP máx 1.0

DOPs relativas Sí Máx HDOP 0.5

Total pos GPS 10 Máx VDOP 0.8

Estado monitor Not monitored RMS 17.2

DT horz DT vert

Sem inic 1526 seg 198519.0 Sem fin 1526 seg 198532.0

VECGPS TP

ID punto 9019 DX 2586.748 DY 3420.446

Clase Normal DZ -3447.846 Código pa

Obs Area ancha fija Pr.H 0.006 Pr.V 0.009

GPSQC1 NM

Mín SVs 9 PDOP máx 1.1

DOPs relativas Sí Máx HDOP 0.6

Total pos GPS 6 Máx VDOP 0.9

Estado monitor Not monitored RMS 29.1

DT horz DT vert

Sem inic 1526 seg 201859.0 Sem fin 1526 seg 201868.0

VECGPS TP

ID punto 9020 DX 2321.954 DY 3331.597

Clase Normal DZ -3147.502 Código pa

Obs Area ancha fija Pr.H 0.007 Pr.V 0.009

GPSQC1 NM

Mín SVs 7 PDOP máx 1.2

DOPs relativas Sí Máx HDOP 0.7

Total pos GPS 8 Máx VDOP 0.9

Estado monitor Not monitored RMS 28.2

DT horz DT vert

Sem inic 1526 seg 202752.0 Sem fin 1526 seg 202761.0

VECGPS TP

ID punto 9021 DX 2078.821 DY 3057.531

Clase Normal DZ -2854.833 Código pa

Obs Area ancha fija Pr.H 0.007 Pr.V 0.008

GPSQC1 NM

Mín SVs 8 PDOP máx 1.1

DOPs relativas Sí Máx HDOP 0.7

Total pos GPS 14 Máx VDOP 0.9

Estado monitor Not monitored RMS 19.1

DT horz DT vert

Sem inic 1526 seg 203634.0 Sem fin 1526 seg 203648.0

VECGPS TP

ID punto 9022 DX 1856.377 DY 2927.153

Clase Normal DZ -2597.394 Código pa

Obs Area ancha fija Pr.H 0.007 Pr.V 0.007

GPSQC1 NM

Mín SVs 8 PDOP máx 1.0

DOPs relativas Sí Máx HDOP 0.7

Total pos GPS 8 Máx VDOP 0.7

Estado monitor Not monitored RMS 18.4

DT horz DT vert

Sem inic 1526 seg 204478.0 Sem fin 1526 seg 204487.0

VECGPS TP

ID punto 9023 DX 1573.458 DY 2802.742

Clase Normal DZ -2270.853 Código pa

Obs Area ancha fija Pr.H 0.007 Pr.V 0.007

GPSQC1 NM

Mín SVs 8 PDOP máx 1.0

DOPs relativas Sí Máx HDOP 0.7

Total pos GPS 12 Máx VDOP 0.7

Estado monitor Not monitored RMS 17.7

DT horz DT vert

Sem inic 1526 seg 205562.0 Sem fin 1526 seg 205579.0

VECGPS TP

ID punto 9024 DX 1316.760 DY 2560.793

Clase Normal DZ -1969.062 Código pa

Obs Area ancha fija Pr.H 0.007 Pr.V 0.007

GPSQC1 NM

Mín SVs 7 PDOP máx 1.0

DOPs relativas Sí Máx HDOP 0.7

Total pos GPS 15 Máx VDOP 0.7

Estado monitor Not monitored RMS 20.5

DT horz DT vert

Sem inic 1526 seg 206350.0 Sem fin 1526 seg 206364.0

VECGPS TP

ID punto 9025 DX 1046.368 DY 2413.317

Clase Normal DZ -1655.193 Código pa

Obs Area ancha fija Pr.H 0.006 Pr.V 0.009

GPSQC1 NM

Mín SVs 7 PDOP máx 1.1

DOPs relativas Sí Máx HDOP 0.6

Total pos GPS 10 Máx VDOP 0.9

Estado monitor Not monitored RMS 21.0

DT horz DT vert

Sem inic 1526 seg 208053.0 Sem fin 1526 seg 208063.0

VECGPS TP

ID punto 9026 DX 798.446 DY 2253.983

Clase Normal DZ -1365.645 Código pa

Obs Area ancha fija Pr.H 0.005 Pr.V 0.010

GPSQC1 NM

Mín SVs 6 PDOP máx 1.2

DOPs relativas Sí Máx HDOP 0.5

Total pos GPS 14 Máx VDOP 1.1

Estado monitor Not monitored RMS 9.7

DT horz DT vert

Sem inic 1526 seg 209099.0 Sem fin 1526 seg 209114.0

VECGPS TP

ID punto 9027 DX 619.555 DY 2097.129

Clase Normal DZ -1156.988 Código pa

Obs Area ancha fija Pr.H 0.005 Pr.V 0.010

GPSQC1 NM

Mín SVs 6 PDOP máx 1.2

DOPs relativas Sí Máx HDOP 0.5

Total pos GPS 7 Máx VDOP 1.1

Estado monitor Not monitored RMS 11.1

DT horz DT vert

Sem inic 1526 seg 209797.0 Sem fin 1526 seg 209806.0

VECGPS TP

ID punto 9028 DX 391.218 DY 1923.448

Clase Normal DZ -887.215 Código <sin texto>

Obs Area ancha fija Pr.H 0.004 Pr.V 0.007

GPSQC1 NM

Mín SVs 8 PDOP máx 0.8

DOPs relativas Sí Máx HDOP 0.4

Total pos GPS 12 Máx VDOP 0.7

Estado monitor Not monitored RMS 21.1

DT horz DT vert

Sem inic 1526 seg 211071.0 Sem fin 1526 seg 211084.0

VECGPS TP

ID punto 9029 DX 105.049 DY 1675.888
Clase Normal DZ -548.918 Código <sin texto>
Obs Area ancha fija Pr.H 0.004 Pr.V 0.007

GPSQC1 NM

Mín SVs 8 PDOP máx 0.8
DOPs relativas Sí Máx HDOP 0.4
Total pos GPS 10 Máx VDOP 0.7
Estado monitor Not monitored RMS 14.2
DT horz DT vert
Sem inic 1526 seg 211873.0 Sem fin 1526 seg 211882.0

VECGPS TP

ID punto 9030 DX -143.629 DY 1598.353
Clase Normal DZ -266.650 Código <sin texto>
Obs Area ancha fija Pr.H 0.004 Pr.V 0.006

GPSQC1 NM

Mín SVs 7 PDOP máx 0.8
DOPs relativas Sí Máx HDOP 0.4
Total pos GPS 14 Máx VDOP 0.7
Estado monitor Not monitored RMS
DT horz DT vert
Sem inic 1526 seg 212957.0 Sem fin 1526 seg 212973.0

VECGPS TP

ID punto 9031 DX -327.620 DY 1188.573
Clase Normal DZ -38.651 Código <sin texto>
Obs Area ancha fija Pr.H 0.003 Pr.V 0.005

GPSQC1 NM

Mín SVs 8 PDOP máx 0.6
DOPs relativas Sí Máx HDOP 0.3
Total pos GPS 9 Máx VDOP 0.5
Estado monitor Not monitored RMS 13.3
DT horz DT vert
Sem inic 1526 seg 214368.0 Sem fin 1526 seg 214378.0

VECGPS TP

ID punto 9032 DX -509.659 DY 1089.205
Clase Normal DZ 174.186 Código <sin texto>
Obs Area ancha fija Pr.H 0.004 Pr.V 0.006

GPSQC1 NM

Mín SVs 7 PDOP máx 0.8
DOPs relativas Sí Máx HDOP 0.4
Total pos GPS 13 Máx VDOP 0.7
Estado monitor Not monitored RMS 17.6
DT horz DT vert
Sem inic 1526 seg 219338.0 Sem fin 1526 seg 219350.0

VECGPS TP

ID punto 9033 DX -821.439 DY 905.729
Clase Normal DZ 544.309 Código <sin texto>
Obs Area ancha fija Pr.H 0.003 Pr.V 0.007

GPSQC1 NM

Mín SVs 7 PDOP máx 0.8
DOPs relativas Sí Máx HDOP 0.4
Total pos GPS 13 Máx VDOP 0.7
Estado monitor Not monitored RMS 16.8
DT horz DT vert
Sem inic 1526 seg 220086.0 Sem fin 1526 seg 220098.0

VECGPS RP

ID punto 10575 DX -1118.398 DY 608.621
Clase Normal DZ 890.999 Código <sin texto>
Obs Area ancha fija Pr.H 0.012 Pr.V 0.019

GPSQC1 NM

Mín SVs 8 PDOP máx 2.1
DOPs relativas No Máx HDOP 1.1
Total pos GPS 1 Máx VDOP 1.8
Estado monitor Not monitored RMS 18.7
DT horz DT vert
Sem inic 1526 seg 220968.2 Sem fin 1526 seg 220968.2

VECGPS TP

ID punto 9034 DX -1340.836 DY 490.968
Clase Normal DZ 1145.296 Código <sin texto>
Obs Area ancha fija Pr.H 0.004 Pr.V 0.007

GPSQC1 NM

Mín SVs 7 PDOP máx 1.0
DOPs relativas Sí Máx HDOP 0.5
Total pos GPS 10 Máx VDOP 0.9
Estado monitor Not monitored RMS 17.3
DT horz DT vert
Sem inic 1526 seg 221836.0 Sem fin 1526 seg 221850.0

VECGPS TP

ID punto 9035 DX 2332.405 DY 3942.011
Clase Normal DZ -3178.401 Código <sin texto>
Obs Area ancha fija Pr.H 0.007 Pr.V 0.016

GPSQC1 NM

Mín SVs 7 PDOP máx 1.8
DOPs relativas Sí Máx HDOP 0.7
Total pos GPS 9 Máx VDOP 1.6
Estado monitor Not monitored RMS 14.9
DT horz DT vert
Sem inic 1526 seg 224076.0 Sem fin 1526 seg 224085.0

VECGPS TP

ID punto 9036 DX 1471.668 DY 3216.651
Clase Normal DZ -2166.683 Código <sin texto>
Obs Area ancha fija Pr.H 0.006 Pr.V 0.013

GPSQC1 NM

Mín SVs 8 PDOP máx 1.4
DOPs relativas Sí Máx HDOP 0.6
Total pos GPS 9 Máx VDOP 1.3
Estado monitor Not monitored RMS 19.1
DT horz DT vert
Sem inic 1526 seg 224920.0 Sem fin 1526 seg 224929.0

VECGPS TP

ID punto 9037 DX 308.398 DY 2318.882
Clase Normal DZ -807.695 Código <sin texto>
Obs Area ancha fija Pr.H 0.006 Pr.V 0.011

GPSQC1 NM

Mín SVs 6 PDOP máx 1.3
DOPs relativas Sí Máx HDOP 0.6
Total pos GPS 14 Máx VDOP 1.1
Estado monitor Not monitored RMS 14.4
DT horz DT vert
Sem inic 1526 seg 226286.0 Sem fin 1526 seg 226300.0

VECGPS TP

ID punto 9038 DX -478.418 DY 1751.072
Clase Normal DZ 123.857 Código <sin texto>
Obs Area ancha fija Pr.H 0.005 Pr.V 0.008

GPSQC1 NM

Mín SVs 7 PDOP máx 1.0
DOPs relativas Sí Máx HDOP 0.5
Total pos GPS 10 Máx VDOP 0.8
Estado monitor Not monitored RMS 18.1
DT horz DT vert
Sem inic 1526 seg 227284.0 Sem fin 1526 seg 227294.0

VECGPS TP

ID punto 9039 DX -1454.356 DY 1059.512
Clase Normal DZ 1248.724 Código <sin texto>
Obs Area ancha fija Pr.H 0.004 Pr.V 0.005

GPSQC1 NM

Mín SVs 8 PDOP máx 0.7
DOPs relativas Sí Máx HDOP 0.4
Total pos GPS 10 Máx VDOP 0.6
Estado monitor Not monitored RMS 21.5
DT horz DT vert
Sem inic 1526 seg 228231.0 Sem fin 1526 seg 228241.0

VECGPS TP

ID punto 9040 DX 2703.834 DY 2676.090
Clase Normal DZ -3520.022 Código <sin texto>
Obs Area ancha fija Pr.H 0.007 Pr.V 0.009

GPSQC1 NM

Mín SVs 8 PDOP máx 1.6
DOPs relativas Sí Máx HDOP 1.0
Total pos GPS 10 Máx VDOP 1.2
Estado monitor Not monitored RMS 20.6
DT horz DT vert
Sem inic 1526 seg 230688.0 Sem fin 1526 seg 230698.0

VECGPS TP

ID punto 9041 DX 2551.742 DY 2405.352
Clase Normal DZ -3309.963 Código <sin texto>
Obs Area ancha fija Pr.H 0.006 Pr.V 0.008

GPSQC1 NM

Mín SVs 8 PDOP máx 1.1
DOPs relativas Sí Máx HDOP 0.6
Total pos GPS 10 Máx VDOP 0.9
Estado monitor Not monitored RMS 21.8
DT horz DT vert
Sem inic 1526 seg 231554.0 Sem fin 1526 seg 231565.0

VECGPS TP

ID punto 9042 DX 2428.147 DY 2328.167
Clase Normal DZ -3163.521 Código pa
Obs Area ancha fija Pr.H 0.007 Pr.V 0.008

GPSQC1 NM

Mín SVs 8 PDOP máx 1.1
DOPs relativas Sí Máx HDOP 0.7
Total pos GPS 7 Máx VDOP 0.8
Estado monitor Not monitored RMS 23.9
DT horz DT vert
Sem inic 1526 seg 282529.0 Sem fin 1526 seg 282537.0

VECGPS TP

ID punto 9043 DX 2122.179 DY 2048.418
Clase Normal DZ -2850.644 Código pa
Obs Area ancha fija Pr.H 0.006 Pr.V 0.009

GPSQC1 NM

Mín SVs 7 PDOP máx 1.1
DOPs relativas Sí Máx HDOP 0.6
Total pos GPS 10 Máx VDOP 0.9
Estado monitor Not monitored RMS 22.8
DT horz DT vert
Sem inic 1526 seg 283773.0 Sem fin 1526 seg 283786.0

VECGPS TP
ID punto 9044 DX 1796.284 DY 2104.062
Clase Normal DZ -2487.712 Código pa
Obs Area ancha fija Pr.H 0.005 Pr.V 0.008

GPSQC1 NM
Mín SVs 9 PDOP máx 1.0
DOPs relativas Sí Máx HDOP 0.5
Total pos GPS 9 Máx VDOP 0.8
Estado monitor Not monitored RMS 19.1
DT horz DT vert
Sem inic 1526 seg 285980.0 Sem fin 1526 seg 285991.0

VECGPS TP
ID punto 9045 DX 1575.418 DY 1868.153
Clase Normal DZ -2203.137 Código pa
Obs Area ancha fija Pr.H 0.005 Pr.V 0.008

GPSQC1 NM
Mín SVs 8 PDOP máx 1.0
DOPs relativas Sí Máx HDOP 0.5
Total pos GPS 8 Máx VDOP 0.9
Estado monitor Not monitored RMS 24.9
DT horz DT vert
Sem inic 1526 seg 286974.0 Sem fin 1526 seg 286984.0

VECGPS TP
ID punto 9046 DX 1392.926 DY 1690.994
Clase Normal DZ -1993.153 Código pa
Obs Area ancha fija Pr.H 0.005 Pr.V 0.008

GPSQC1 NM
Mín SVs 6 PDOP máx 1.0
DOPs relativas Sí Máx HDOP 0.6
Total pos GPS 13 Máx VDOP 0.9
Estado monitor Not monitored RMS 18.3
DT horz DT vert
Sem inic 1526 seg 289090.0 Sem fin 1526 seg 289102.0

VECGPS TP
ID punto 9047 DX 1388.516 DY 1720.531
Clase Normal DZ -1998.449 Código pa
Obs Area ancha fija Pr.H 0.005 Pr.V 0.007

GPSQC1 NM
Mín SVs 6 PDOP máx 0.9
DOPs relativas Sí Máx HDOP 0.5
Total pos GPS 7 Máx VDOP 0.7
Estado monitor Not monitored RMS 20.2
DT horz DT vert
Sem inic 1526 seg 289264.0 Sem fin 1526 seg 289273.0

VECGPS TP
ID punto 9048 DX 1082.097 DY 1404.919
Clase Normal DZ -1627.196 Código pa
Obs Area ancha fija Pr.H 0.005 Pr.V 0.006

GPSQC1 NM
Mín SVs 8 PDOP máx 0.8
DOPs relativas Sí Máx HDOP 0.5
Total pos GPS 6 Máx VDOP 0.6
Estado monitor Not monitored RMS 17.5
DT horz DT vert
Sem inic 1526 seg 290181.0 Sem fin 1526 seg 290188.0

VECGPS TP
ID punto 9049 DX 871.464 DY 1246.307
Clase Normal DZ -1397.171 Código pa
Obs Area ancha fija Pr.H 0.005 Pr.V 0.005

GPSQC1 NM
Mín SVs 8 PDOP máx 0.7
DOPs relativas Sí Máx HDOP 0.5
Total pos GPS 6 Máx VDOP 0.5
Estado monitor Not monitored RMS 26.7
DT horz DT vert
Sem inic 1526 seg 291333.0 Sem fin 1526 seg 291339.0

VECGPS TP
ID punto 9050 DX 537.197 DY 1214.852
Clase Normal DZ -1020.525 Código pa
Obs Area ancha fija Pr.H 0.006 Pr.V 0.007

GPSQC1 NM
Mín SVs 6 PDOP máx 1.0
DOPs relativas Sí Máx HDOP 0.7
Total pos GPS 13 Máx VDOP 0.7
Estado monitor Not monitored RMS 19.2
DT horz DT vert
Sem inic 1526 seg 292270.0 Sem fin 1526 seg 292283.0

VECGPS TP
ID punto 9051 DX 201.511 DY 1169.190
Clase Normal DZ -638.536 Código pa
Obs Area ancha fija Pr.H 0.006 Pr.V 0.008

GPSQC1 NM
Mín SVs 6 PDOP máx 1.1
DOPs relativas Sí Máx HDOP 0.6
Total pos GPS 16 Máx VDOP 0.9
Estado monitor Not monitored RMS 12.2
DT horz DT vert
Sem inic 1526 seg 293405.0 Sem fin 1526 seg 293420.0

VECGPS TP
ID punto 9052 DX 18.283 DY 900.024
Clase Normal DZ -403.187 Código pa
Obs Area ancha fija Pr.H 0.004 Pr.V 0.007

GPSQC1 NM
Mín SVs 7 PDOP máx 0.8
DOPs relativas Sí Máx HDOP 0.5
Total pos GPS 11 Máx VDOP 0.7
Estado monitor Not monitored RMS 22.1
DT horz DT vert
Sem inic 1526 seg 294152.0 Sem fin 1526 seg 294164.0

VECGPS TP
ID punto 9053 DX -76.406 DY 577.425
Clase Normal DZ -240.540 Código pa
Obs Area ancha fija Pr.H 0.004 Pr.V 0.007

GPSQC1 NM
Mín SVs 6 PDOP máx 0.9
DOPs relativas Sí Máx HDOP 0.4
Total pos GPS 10 Máx VDOP 0.8
Estado monitor Not monitored RMS 19.7
DT horz DT vert
Sem inic 1526 seg 294817.0 Sem fin 1526 seg 294831.0

VECGPS TP
ID punto 9054 DX -440.279 DY 593.587
Clase Normal DZ 158.998 Código pa
Obs Area ancha fija Pr.H 0.004 Pr.V 0.008

GPSQC1 NM
Mín SVs 6 PDOP máx 1.0
DOPs relativas Sí Máx HDOP 0.4
Total pos GPS 13 Máx VDOP 0.9
Estado monitor Not monitored RMS 9.3
DT horz DT vert
Sem inic 1526 seg 295409.0 Sem fin 1526 seg 295423.0

VECGPS TP
ID punto 9055 DX -545.903 DY 276.616
Clase Normal DZ 335.149 Código pa
Obs Area ancha fija Pr.H 0.004 Pr.V 0.008

GPSQC1 NM
Mín SVs 6 PDOP máx 1.0
DOPs relativas Sí Máx HDOP 0.4
Total pos GPS 11 Máx VDOP 0.9
Estado monitor Not monitored RMS 15.6
DT horz DT vert
Sem inic 1526 seg 296216.0 Sem fin 1526 seg 296230.0

VECGPS TP
ID punto 9056 DX -829.906 DY 386.186
Clase Normal DZ 626.630 Código pa
Obs Area ancha fija Pr.H 0.004 Pr.V 0.007

GPSQC1 NM
Mín SVs 6 PDOP máx 1.0
DOPs relativas Sí Máx HDOP 0.4
Total pos GPS 19 Máx VDOP 0.9
Estado monitor Not monitored RMS 15.1
DT horz DT vert
Sem inic 1526 seg 297141.0 Sem fin 1526 seg 297162.0

VECGPS TP
ID punto 9057 DX -726.964 DY 53.795
Clase Normal DZ 589.622 Código pa
Obs Area ancha fija Pr.H 0.003 Pr.V 0.005

GPSQC1 NM
Mín SVs 8 PDOP máx 0.6
DOPs relativas Sí Máx HDOP 0.3
Total pos GPS 13 Máx VDOP 0.6
Estado monitor Not monitored RMS 25.1
DT horz DT vert
Sem inic 1526 seg 298327.0 Sem fin 1526 seg 298346.0

VECGPS TP
ID punto 9058 DX -1007.761 DY -119.603
Clase Normal DZ 862.445 Código pa
Obs Area ancha fija Pr.H 0.003 Pr.V 0.005

GPSQC1 NM
Mín SVs 7 PDOP máx 0.8
DOPs relativas Sí Máx HDOP 0.4
Total pos GPS 25 Máx VDOP 0.7
Estado monitor Not monitored RMS 16.0
DT horz DT vert
Sem inic 1526 seg 300426.0 Sem fin 1526 seg 300454.0

VECGPS TP
ID punto 9059 DX -1006.539 DY -119.191
Clase Normal DZ 861.035 Código pa
Obs Area ancha fija Pr.H 0.004 Pr.V 0.005

GPSQC1 NM
Mín SVs 7 PDOP máx 0.8
DOPs relativas Sí Máx HDOP 0.4
Total pos GPS 19 Máx VDOP 0.7
Estado monitor Not monitored RMS 17.7
DT horz DT vert
Sem inic 1526 seg 300693.0 Sem fin 1526 seg 300718.0

VECGPS TP
ID punto 9060 DX -1006.180 DY -121.023
Clase Normal DZ 860.758 Código pa
Obs Area ancha fija Pr.H 0.003 Pr.V 0.006

GPSQC1 NM
Mín SVs 7 PDOP máx 0.7
DOPs relativas Sí Máx HDOP 0.4
Total pos GPS 17 Máx VDOP 0.6
Estado monitor Not monitored RMS 17.1
DT horz DT vert
Sem inic 1526 seg 300742.0 Sem fin 1526 seg 300762.0

VECGPS TP
ID punto 9061 DX 397.494 DY 1359.891
Clase Normal DZ -870.115 Código pa
Obs Area ancha fija Pr.H 0.004 Pr.V 0.006

GPSQC1 NM
Mín SVs 8 PDOP máx 0.7
DOPs relativas Sí Máx HDOP 0.4
Total pos GPS 20 Máx VDOP 0.6
Estado monitor Not monitored RMS 18.8
DT horz DT vert
Sem inic 1526 seg 306285.0 Sem fin 1526 seg 306304.0

VECGPS TP
ID punto 9062 DX 1243.604 DY 1971.858
Clase Normal DZ -1857.704 Código pa
Obs Area ancha fija Pr.H 0.004 Pr.V 0.008

GPSQC1 NM
Mín SVs 8 PDOP máx 1.0
DOPs relativas Sí Máx HDOP 0.5
Total pos GPS 13 Máx VDOP 0.8
Estado monitor Not monitored RMS 15.4
DT horz DT vert
Sem inic 1526 seg 307190.0 Sem fin 1526 seg 307202.0

VECGPS TP
ID punto 9063 DX 2225.564 DY 2831.559
Clase Normal DZ -3013.087 Código pa
Obs Area ancha fija Pr.H 0.006 Pr.V 0.012

GPSQC1 NM
Mín SVs 8 PDOP máx 1.4
DOPs relativas Sí Máx HDOP 0.6
Total pos GPS 16 Máx VDOP 1.2
Estado monitor Not monitored RMS 17.3
DT horz DT vert
Sem inic 1526 seg 308265.0 Sem fin 1526 seg 308281.0

VECGPS TP
ID punto 9064 DX 382.384 DY 3340.339
Clase Normal DZ -850.067 Código pa
Obs Area ancha fija Pr.H 0.005 Pr.V 0.008

GPSQC1 NM
Mín SVs 8 PDOP máx 0.9
DOPs relativas Sí Máx HDOP 0.5
Total pos GPS 5 Máx VDOP 0.8
Estado monitor Not monitored RMS 22.0
DT horz DT vert
Sem inic 1527 seg 298568.0 Sem fin 1527 seg 298573.0

VECGPS TP
ID punto 9065 DX 707.174 DY 3449.558
Clase Normal DZ -1297.252 Código pa
Obs Area ancha fija Pr.H 0.006 Pr.V 0.010

GPSQC1 NM
Mín SVs 8 PDOP máx 1.2
DOPs relativas Sí Máx HDOP 0.6
Total pos GPS 7 Máx VDOP 1.0
Estado monitor Not monitored RMS 20.3
DT horz DT vert
Sem inic 1527 seg 299979.0 Sem fin 1527 seg 299987.0

VECGPS TP
ID punto 9066 DX 875.482 DY 3939.470
Clase Normal DZ -1456.150 Código pa
Obs Area ancha fija Pr.H 0.006 Pr.V 0.009

GPSQC1
NM Mín SVs 8 PDOP máx 1.1
DOPs relativas Sí Máx HDOP 0.6
Total pos GPS 7 Máx VDOP 0.9
Estado monitor Not monitored RMS 27.1
DT horz DT vert
Sem inic 1527 seg 302982.0 Sem fin 1527 seg 302994.

OBSERVACIONES GPS – RED BÁSICA

TRAB

Trabajo Molins de Rei

ELIPLOC

Rad local 6378388.000 Acha. 296.9999996135

LOCAL

Lat proy <nulo> D.eje norte 0.000

Long proy <nulo> D.eje este 0.000

Alt proy 0.000 Escala 1.0000000000

PROY

Mercator Transversa

Lat orig 0°00'00.00000"N Nrte orig 0.000

Lng orig 3°00'00.00000"E Este orig 500000.000

Alt orig <nulo> Elev orig <nulo>

Orient 1 <nulo> Orient 2 <nulo>

Escala 0.9996000000

DATUM

Siete parámetros

Rad orig 6378137.000 Acha orig 298.2572229329

Rotn X -0°00'02.093088" Rotn Y -0°00'00.001406"

Rotn Z -0°00'00.107709" Tras X 136.654

Tras Y 141.463 Tras Z 167.298

Escala -11.54597600

PLANO

Nrte orig <nulo> Este orig <nulo>

Tras N <nulo> Tras E <nulo>

Rotación <nulo> Escala <nulo>

AJUSALT

Modelo geoidal

Nrte orig 0.000 Pendiente N 0.000

Este orig 0.000 Pendiente E 0.000

Const ajuste 0.000

Geoide CAT70260

COORD

Nombre sistema Spain (UTM)

Nombre zona Catalunya (ICC)

Nombre datum ED 50 (Catalunya ICC 2006)

Opción sist coord Elegido de la biblioteca

VECGPS TP

ID punto 53 DX -488.496 DY 1646.498

Clase Normal DZ 137.785 Código br

Obs Area ancha fija Pr.H 0.003 Pr.V 0.004

GPSQC1 NM

Mín SVs 7 PDOP máx 0.7

DOPs relativas Sí Máx HDOP 0.4

Total pos GPS 120 Máx VDOP 0.6

Estado monitor Not monitored RMS 19.0

DT horz DT vert

Sem inic 1527 seg 469103.0 Sem fin 1527 seg 469250.0

VECGPS TP

ID punto 57 DX 453.594 DY 2218.310

Clase Normal DZ -958.954 Código 2

Obs Area ancha fija Pr.H 0.004 Pr.V 0.005

GPSQC1 NM

Mín SVs 8 PDOP máx 0.9

DOPs relativas Sí Máx HDOP 0.5

Total pos GPS 62 Máx VDOP 0.7

Estado monitor Not monitored RMS 27.0

DT horz DT vert

Sem inic 1527 seg 474189.0 Sem fin 1527 seg 474259.0

VECGPS TP

ID punto 59 DX 1516.030 DY 3293.189

Clase Normal DZ -2212.979 Código br

Obs Area ancha fija Pr.H 0.005 Pr.V 0.010

GPSQC1 NM

Mín SVs 8 PDOP máx 1.4

DOPs relativas Sí Máx HDOP 0.6

Total pos GPS 68 Máx VDOP 1.2

Estado monitor Not monitored RMS 19.5

DT horz DT vert

Sem inic 1527 seg 479852.0 Sem fin 1527 seg 479927.0

VECGPS TP

ID punto 61 DX 1818.601 DY 3390.543

Clase Normal DZ -2570.954 Código br

Obs Area ancha fija Pr.H 0.005 Pr.V 0.011

GPSQC1 NM

Mín SVs 7 PDOP máx 1.5

DOPs relativas Sí Máx HDOP 0.6

Total pos GPS 54 Máx VDOP 1.3

Estado monitor Not monitored RMS 27.6

DT horz DT vert

Sem inic 1527 seg 481642.0 Sem fin 1527 seg 481711.0

3.10.2.- Listado de coordenadas

Listado de coordenadas de puntos de apoyo

Punto	Coordenadas ED50		Coordenadas ETRS89		Z	Código
	X	Y	X	Y		
9001	419251,732	4582721,104	419157.689	4582516.974	20,416	PA
9002	419102,935	4583076,514	419008.897	4582872.391	20,601	PA
9003	418989,358	4583533,785	418895.325	4583329.669	22,092	PA
9004	418751,468	4583869,412	418657.439	4583665.304	22,801	PA
9005	418665,002	4584283,408	418570.978	4584079.305	26,491	PA
9006	418451,708	4584580,112	418357.688	4584376.015	24,392	PA
9007	418233,782	4584907,615	418139.766	4584703.524	28,798	PA
9008	418109,287	4585330,887	418015.276	4585126.801	50,089	PA
9009	417911,438	4585816,238	417817.433	4585612.158	46,110	PA
9010	417786,341	4586198,309	417692.341	4585994.233	32,426	PA
9011	417512,389	4586453,844	417418.393	4586249.772	44,797	PA
9012	417143,986	4586756,623	417049.995	4586552.556	86,496	PA
9013	417275,877	4587200,030	417181.890	4586995.965	40,634	PA
9014	417052,343	4587550,782	416958.361	4587346.720	35,204	PA
9015	416944,391	4588049,469	416850.415	4587845.410	73,598	PA
9016	419449,223	4582285,095	419355.174	4582080.958	19,330	PA
9017	419731,181	4581567,617	419637.120	4581363.476	18,968	PA
9018	419582,826	4581934,504	419488.771	4581730.365	21,375	PA
9019	418712,167	4581506,977	418618.107	4581302.856	17,760	PA
9020	418637,284	4581910,080	418543.231	4581705.960	15,384	PA
9021	418376,430	4582299,536	418282.384	4582095.420	19,292	PA
9022	418257,899	4582643,946	418163.858	4582439.834	19,356	PA
9023	418148,495	4583079,890	418054.460	4582875.784	19,749	PA
9024	417920,375	4583484,030	417826.345	4583279.931	20,461	PA
9025	417787,295	4583903,001	417693.270	4583698.908	21,422	PA
9026	417641,205	4584289,309	417547.184	4584085.221	22,860	PA
9027	417493,960	4584569,302	417399.943	4584365.218	22,634	PA
9028	417332,539	4584928,348	417238.526	4584724.268	25,343	PA
9029	417100,384	4585379,514	417006.377	4585175.439	28,117	PA
9030	417035,962	4585758,034	416941.960	4585553.962	26,428	PA
9031	416636,495	4586064,647	416542.498	4585860.580	28,625	PA
9032	416546,834	4586347,863	416452.840	4586143.798	30,412	PA
9033	416380,048	4586837,584	416286.060	4586633.522	36,857	PA
9034	415993,095	4587645,495	415899.118	4587441.437	34,515	PA
9035	419246,208	4581858,899	419152.152	4581654.767	19,023	PA
9036	418567,104	4583210,886	418473.069	4583006.774	23,277	PA
9037	417731,679	4585028,973	417637.666	4584824.889	26,280	PA
9038	417206,095	4586266,596	417112.098	4586062.526	37,884	PA

Punto	Coordenadas ED50		Coordenadas ETRS89		Z	Código
	X	Y	X	Y		
9039	416566,638	4587778,327	416472.660	4587574.267	32,763	PA
9040	417963,152	4581401,308	417869.093	4581197.203	38,129	PA
9041	417701,035	4581668,601	417606.982	4581464.501	55,781	PA
9042	417630,469	4581862,677	417536.419	4581658.578	57,872	PA
9043	417366,791	4582308,959	417272.749	4582104.863	27,915	PA
9044	417439,355	4582794,336	417345.318	4582590.240	24,982	PA
9045	417215,593	4583161,702	417121.561	4582957.613	41,340	PA
9046	417048,233	4583445,769	416954.205	4583241.684	38,717	PA
9047	417077,874	4583443,687	416983.846	4583239.602	32,685	PA
9048	416778,899	4583935,288	416684.877	4583731.210	40,190	PA
9049	416631,432	4584252,321	416537.414	4584048.247	30,259	PA
9050	416617,484	4584756,522	416523.472	4584552.450	27,983	PA
9051	416589,454	4585266,159	416495.448	4585062.089	27,844	PA
9052	416330,455	4585572,912	416236.453	4585368.846	39,153	PA
9053	416013,699	4585768,537	415919.700	4585564.475	67,352	PA
9054	416048,765	4586307,804	415954.772	4586103.743	59,398	PA
9055	415738,216	4586520,576	415644.227	4586316.518	88,520	PA
9056	415862,240	4586922,858	415768.255	4586718.799	71,414	PA
9057	415525,581	4586838,622	415431.596	4586634.565	115,407	PA
9058	415366,698	4587234,599	415272.719	4587030.544	81,012	PA
9059	415367,045	4587232,721	415273.066	4587028.666	81,005	PA
9060	415365,199	4587232,339	415271.220	4587028.284	81,043	PA
9061	416769,579	4584956,523	416675.569	4584752.450	26,555	PA
9062	417336,260	4583636,203	417242.233	4583432.115	23,727	PA
9063	418143,140	4582091,806	418049.092	4581887.696	18,716	PA
9064	418748,304	4584913,005	418654.287	4584708.908	80,727	PA
9065	418839,728	4584359,491	418745.704	4584155.387	31,307	PA
9066	419320,471	4584112,273	419226.443	4583908.159	65,409	PA
10575	416098,941	4587303,883	416004.960	4587099.824	35,977	PA
1111	416855,350	4587065,080	416761.363	4586861.016	31,150	PA-AE
1112	417558,780	4585612,760	417464.774	4585408.682	28,650	PA-AE
1113	418227,340	4584146,911	418133.316	4583942.813	24,883	PA-AE
1114	418895,915	4582627,833	418801.872	4582423.709	18,826	PA-AE
1115	417793,288	4582974,616	417699.252	4582770.515	20,368	PA-AE
1116	416660,722	4585731,174	416566.721	4585527.106	27,253	PA-AE

Listado de coordenadas de la red básica

Punto	X	Y	Z	Código
RB53	417008,207	4586083,243	36,66	RB-1
RB57	417529,738	4584619,088	32,26	RB-2
RB59	418547,221	4582940,122	27,837	RB-3
RB61	418628,491	4582468,562	27,837	RB-4

3.11.- RESTITUCIÓN

3.11.1.- Certificado de calibración del equipo



PROTOCOLO DE VERIFICACIÓN Y CONTROL
 ESCANER FOTOGRAMÉTRICO Leica Geosystems Geospatial Imaging
 DSW200

=====

Cliente: **CARIBERSA S.L. (Madrid)**
 Nº de Serie: **0-133**

TOLERANCIAS

Error Medio Cuadrático Residual Placa	=	<	3	micras
Error Medio Cuadrático Residual Geométrico	=	<	3	micras
Tamaño del Pixel	=	±	0.1	micras

VALORES ACTUALES

Error Medio Cuadrático Residual Placa

X = **1.6** micras **Y** = **1.0** micras

Error Medio Cuadrático Residual Geométrico

X = **1.40** micras **Y** = **1.40** micras

Tamaño del Pixel

14.007 micras

Este Instrumento ha sido Chequeado, Verificado y Calibrado por personal cualificado y siguiendo normas de **Leica Geosystems Geospatial Imaging**

Fecha de Calibración: 10 de Octubre de 2006



Fdo: Francisco Fernández
 Manager Dpto. Asistencia Técnica

- when it has to be right



3.11.2.- Partes de orientación de la Restitución

ORIENTACIÓN ABSOLUTA

416622.851 4587404.538 832.949

5.587348892220167

-0.495070204018200	-0.868583244423429	0.021648108468147	Omega:	0.9966
0.865946570224784	-0.495297209088464	-0.069406139390628	Phi:	4.5243
0.071007257441134	-0.015614806308387	0.997353571816254	Kappa:	-133.0634

POINT	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-Ez-
9014	417052.34	4587550.78	35.20	-25.548	-77.510	-142.559	-0.096	0.069	0.048
9033	416380.05	4586837.58	36.86	-76.474	90.215	-136.006	-0.069	-0.028	0.021
9013	417275.88	4587200.03	40.63	-99.613	-81.165	-136.348	0.076	-0.037	-0.068
10575	416098.94	4587303.88	35.98	20.702	92.612	-143.034	0.109	0.008	-0.039
1111	416855.35	4587065.08	31.15	-83.401	-3.815	-138.012	-0.020	-0.013	0.038

EM.= 0.078

Nombre del modelo: C:\Trabajos\LLOBREGAT\P-2\7712-7713.abs2

Fecha: 26/5/2009 19:34

ORIENTACIÓN ABSOLUTA

416785.445 4587024.693 828.551

5.747413697806625

0.489871948054773	0.870707860715314	0.043512019001453	Omega:	0.5545
-0.868720609657483	0.491723882811747	-0.059431687077435	Phi:	-4.6606
-0.073143536046268	-0.008685871349565	0.997283599972218	Kappa:	67.3126

POINT	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-Ez-
9012	417143.99	4586756.62	86.50	80.500	32.496	-123.251	0.096	-0.080	-0.141
9033	416380.05	4586837.58	36.86	3.808	-76.218	-138.487	-0.066	0.002	-0.118
9013	417275.88	4587200.03	40.63	25.334	90.497	-134.828	-0.054	0.015	0.059
9032	416546.83	4586347.86	30.41	92.132	-92.858	-133.319	0.023	0.066	0.115
1111	416855.35	4587065.08	31.15	10.002	15.251	-138.267	0.001	-0.004	0.085

EM.= 0.103

Nombre del modelo: C:\Trabajos\LLOBREGAT\P-2nuevo\7713-7714.abs2

Fecha: 26/5/2009 19:40

ORIENTACIÓN ABSOLUTA

416949.045 4586649.596 825.995

5.317993921496414

0.516813931429187	0.853642226787743	0.064794358748043	Omega:	1.4391
-0.851597381870314	0.520372872324769	-0.063197887148990	Phi:	-5.5881
-0.087665611686305	-0.022517157754312	0.995895435341649	Kappa:	65.2749

POINT	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-Ez-
9012	417143.99	4586756.62	86.50	14.005	44.894	-137.387	-0.010	0.039	0.034
9032	416546.83	4586347.86	30.41	22.350	-90.718	-150.294	-0.026	0.018	-0.047
9031	416636.50	4586064.65	28.63	76.436	-104.036	-146.188	0.038	-0.013	0.047
9038	417206.09	4586266.60	37.88	99.300	7.115	-139.902	0.034	0.004	-0.025
9011	417512.39	4586453.84	44.80	98.968	74.591	-137.102	-0.036	-0.048	-0.009

EM.= 0.044

Nombre del modelo: C:\Trabajos\Llobregat\P-2\7714-7715.abs2

Fecha: 26/5/2009 19:53

ORIENTACIÓN ABSOLUTA

417123.981 4586277.418 824.327

5.258320493469526

0.471945433277047	0.881466875047871	0.016842096136788	Omega:	-1.2161
-0.878749937103530	0.471861329571458	-0.071731678466334	Phi:	-4.5351
-0.071176232335533	0.019053447152590	0.997281760638447	Kappa:	68.6237

POINT	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-Ez-
9010	417786.34	4586198.31	32.43	83.388	101.055	-146.984	0.045	0.028	-0.028
9030	417035.96	4585758.03	26.43	89.695	-64.261	-144.530	0.042	0.003	0.028
9011	417512.39	4586453.84	44.80	15.926	78.137	-149.022	-0.085	-0.067	0.078
9031	416636.50	4586064.65	28.63	2.587	-103.690	-149.571	-0.053	0.042	0.009
9038	417206.09	4586266.60	37.88	19.817	9.936	-148.728	0.053	-0.004	-0.088

EM.= 0.070

Nombre del modelo: C:\Trabajos\LLOBREGAT\P-2nuevo\7715-7716.abs2

Fecha: 26/5/2009 19:54

ORIENTACIÓN ABSOLUTA

417298.711 4585907.318 821.659

5.320850816490391

0.431127328589007	0.902259293950837	0.007575818308445	Omega:	-1.6719
-0.899387244776795	0.430397751841645	-0.076552982583721	Phi:	-4.6088
-0.072331255184134	0.026190488521479	0.997036733442903	Kappa:	71.5433

POINT	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-Ez-
9009	417911.44	4585816.24	46.11	75.584	92.721	-143.148	-0.023	-0.019	0.032
9029	417100.38	4585379.51	28.12	83.931	-80.230	-141.380	0.005	-0.006	-0.026
9010	417786.34	4586198.31	32.43	1.057	102.337	-151.375	0.009	0.030	-0.030
9030	417035.96	4585758.03	26.43	14.754	-60.547	-147.245	0.015	0.002	0.032
1112	417558.78	4585612.76	28.65	81.641	16.372	-143.987	-0.006	-0.008	-0.008

EM.= 0.027

Nombre del modelo: C:\Trabajos\LLOBREGAT\P-2nuevo\7716-7717.abs2

Fecha: 26/5/2009 20:04

ORIENTACIÓN ABSOLUTA

417463.178 4585530.221 820.516

5.155165340887640

0.435691425236306	0.899925574777507	0.017519755618423	Omega:	-0.7914
-0.897691948914172	0.435867051878666	-0.064568397388167	Phi:	-4.1884
-0.065743036363045	0.012404553517673	0.997759480146290	Kappa:	71.2340

POINT	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-Ez-
9008	418109.29	4585330.89	50.09	99.148	94.088	-144.424	-0.039	0.013	0.021
9028	417332.54	4584928.35	25.34	103.907	-75.601	-146.803	-0.029	-0.009	-0.025
9009	417911.44	4585816.24	46.11	-2.043	100.563	-151.932	0.032	0.029	-0.049
9029	417100.38	4585379.51	28.12	5.680	-77.983	-152.711	0.025	-0.028	-0.001
1112	417558.78	4585612.76	28.65	3.804	21.760	-153.981	0.015	-0.005	0.051

EM.= 0.039

Nombre del modelo: C:\Trabajos\LLOBREGAT\P-2nuevo\7717-7718.abs2

Fecha: 26/5/2009 20:06

ORIENTACIÓN ABSOLUTA

417626.413 4585155.075 823.008

5.550271396612502

0.450532349920563	0.892543827840121	0.019649861565936	Omega:	-0.1144
-0.891515636659996	0.450957086778820	-0.042866950844224	Phi:	-3.0010
-0.047121876721719	0.001794789253541	0.998887534943628	Kappa:	70.2111

POINT	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-Ez-
9008	418109.29	4585330.89	50.09	17.516	91.701	-138.760	-0.067	-0.052	0.048
9028	417332.54	4584928.35	25.34	19.343	-65.939	-142.837	-0.012	0.042	-0.047
9007	418233.78	4584907.62	28.80	95.791	77.298	-138.865	0.058	0.018	-0.046
9027	417493.96	4584569.30	22.63	90.131	-69.149	-139.999	-0.009	-0.025	0.056
9037	417731.68	4585028.97	26.28	35.564	6.418	-142.040	0.033	0.016	-0.007

EM.= 0.055

Nombre del modelo: C:\Trabajos\LLOBREGAT\P-2nuevo\7718-7719.abs2

Fecha: 26/5/2009 20:13

ORIENTACIÓN ABSOLUTA

417793.370 4584781.975 832.403

5.600227664129962

0.440210965985271	0.897429695966211	0.028883320867065	Omega:	0.1799
-0.895904445152469	0.441148486411847	-0.052375930469854	Phi:	-3.8058
-0.059745548640562	-0.002820236609056	0.998209655174256	Kappa:	70.9249

POINT	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-Ez-
9027	417493.96	4584569.30	22.63	19.112	-64.329	-143.906	0.056	-0.068	0.069
9006	418451.71	4584580.11	24.39	92.668	90.007	-138.743	-0.029	0.014	0.016
9007	418233.78	4584907.62	28.80	23.075	80.877	-142.142	0.043	-0.083	-0.003
9026	417641.21	4584289.31	22.86	75.494	-62.788	-140.464	0.007	0.028	-0.053
9037	417731.68	4585028.97	26.28	-35.740	9.980	-146.308	-0.073	0.107	-0.032

EM.= 0.074

Nombre del modelo: C:\Trabajos\Llobregat\P-2\7719-7720.abs2

Fecha: 26/5/2009 20:13

ORIENTACIÓN ABSOLUTA

417964.203 4584404.927 835.144

5.679137033718600

0.448752337266270	0.893636202376722	0.005973072891669	Omega:	-1.4882
-0.891656598619315	0.448185118180240	-0.063863995963285	Phi:	-3.8060
-0.059748221201084	0.023333187597797	0.997940735925652	Kappa:	70.3165

POINT	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-Ez-
9006	418451.71	4584580.11	24.39	19.550	87.215	-143.922	-0.059	-0.005	-0.006
9026	417641.21	4584289.31	22.86	1.184	-63.286	-141.775	-0.024	0.039	0.005
9005	418665.00	4584283.41	26.49	82.955	97.359	-139.995	0.030	-0.032	0.007
9025	417787.29	4583903.00	21.42	73.383	-70.796	-137.529	0.035	-0.010	-0.003
1113	418227.34	4584146.91	24.88	69.827	17.711	-139.201	0.018	0.009	-0.004

EM.= 0.034

Nombre del modelo: C:\Trabajos\Llobregat\P-2\7720-7721.abs2

Fecha: 26/5/2009 20:27

ORIENTACIÓN ABSOLUTA

418133.816 4584029.734 832.477

5.491876208351333

0.451009905722642	0.892504775184025	0.005029037061525	Omega:	-1.7799
-0.890051536374716	0.450174620464364	-0.071770980812399	Phi:	-4.2252
-0.066319887945180	0.027893321126726	0.997408459508671	Kappa:	70.1418

POINT	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-Ez-
9004	418751.47	4583869.41	22.80	86.483	83.123	-144.379	0.001	-0.002	-0.054
9024	417920.38	4583484.03	20.46	80.712	-83.548	-140.548	0.039	-0.022	0.051
9025	417787.29	4583903.00	21.42	1.885	-70.827	-145.951	0.002	0.059	-0.051
9005	418665.00	4584283.41	26.49	12.241	103.021	-149.217	0.028	-0.006	0.049
1113	418227.34	4584146.91	24.88	-1.557	20.716	-148.118	-0.070	-0.030	0.005

EM.= 0.053

Nombre del modelo: C:\Trabajos\LLOBREGAT\P-2nuevo\7721-7722.abs2

Fecha: 26/5/2009 20:29

ORIENTACIÓN ABSOLUTA

418299.641 4583655.715 831.708

5.691216588211105

0.443339198120757	0.896232107023630	0.014777203714797	Omega:	-1.1279
-0.893696059499370	0.443233161029081	-0.069654276246817	Phi:	-4.3946
-0.068976145477571	0.017674142246612	0.997461736634997	Kappa:	70.6836

POINT	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-Ez-
9024	417920.38	4583484.03	20.46	7.255	-75.626	-141.081	0.035	0.057	0.092
9004	418751.47	4583869.41	22.80	11.441	85.282	-143.200	0.009	-0.006	-0.081
9003	418989.36	4583533.79	22.09	82.694	96.610	-138.617	-0.048	0.017	0.025
9023	418148.50	4583079.89	19.75	88.476	-71.157	-135.626	-0.031	-0.084	-0.153
9036	418567.10	4583210.89	23.28	100.486	4.958	-135.570	0.035	0.015	0.116

EM.= 0.093

Nombre del modelo: C:\Trabajos\LLOBREGAT\P-2nuevo\7722-7723.abs2

Fecha: 12/5/2009 15:08

ORIENTACIÓN ABSOLUTA

418465.260 4583278.452 829.944

5.634093523930940

0.439458941298865	0.897917267960797	0.024908207689416	Omega:	-0.6994
-0.894792975133391	0.440028005145770	-0.075636541032556	Phi:	-5.0266
-0.078875665223288	0.010951464982022	0.996824304905499	Kappa:	70.9367

POINT	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-Ez-
9036	418567.10	4583210.89	23.28	29.971	9.393	-141.363	-0.043	0.001	-0.005
9003	418989.36	4583533.79	22.09	11.638	101.908	-144.052	-0.049	-0.029	0.057
9023	418148.50	4583079.89	19.75	18.167	-67.573	-142.070	0.040	0.006	-0.059
9022	418257.90	4582643.95	19.36	95.950	-84.174	-135.824	-0.036	0.012	0.060
9002	419102.94	4583076.51	20.60	93.135	84.268	-137.655	0.087	0.013	-0.056

EM.= 0.061

Nombre del modelo: C:\Trabajos\LLOBREGAT\P-2nuevo\7723-7724.abs2

Fecha: 26/5/2009 20:35

ORIENTACIÓN ABSOLUTA

418631.456 4582902.261 824.988

5.130240014798099

0.436674290481357	0.899091930432083	0.030810138988873	Omega:	-0.4129
-0.895725539949331	0.437712159454353	-0.077998862480720	Phi:	-5.3293
-0.083614120309205	0.006462669550400	0.996477251515156	Kappa:	71.1226

POINT	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-Ez-
9001	419251.73	4582721.10	20.42	97.537	92.236	-149.788	0.001	-0.007	-0.049
9021	418376.43	4582299.54	19.29	96.647	-97.137	-148.876	0.043	-0.050	0.062
9022	418257.90	4582643.95	19.36	26.450	-88.521	-154.786	-0.037	0.072	-0.059
9002	419102.94	4583076.51	20.60	22.816	96.490	-156.070	-0.031	-0.028	0.057
1114	418895.91	4582627.83	18.83	83.563	21.912	-150.823	0.024	0.011	-0.011

EM.= 0.058

Nombre del modelo: C:\Trabajos\Llobregat\7724-7725.abs2

Fecha: 26/5/2009 20:46

ORIENTACIÓN ABSOLUTA

417878.044 4582555.495 833.718

4.771591671056399

-0.353367514429822	-0.935206265862906	-0.022817537913848	Omega:	0.1432
0.933652609303780	-0.354096308584051	0.053931524986706	Phi:	-3.7274
-0.058516706041380	-0.002246004877190	0.998283902793268	Kappa:	-123.0340

POINT	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-Ez-
9022	418257.90	4582643.95	19.36	-0.842	-80.620	-171.210	0.034	0.045	0.081
9021	418376.43	4582299.54	19.29	-76.996	-78.304	-175.653	0.011	-0.041	-0.058
9063	418143.14	4582091.81	18.72	-100.384	-17.163	-177.007	-0.024	0.075	-0.059
9042	417630.47	4581862.68	57.87	-107.720	100.284	-168.985	-0.093	0.002	0.095
9043	417366.79	4582308.96	27.91	-0.475	118.885	-168.912	0.071	-0.084	-0.066

EM.= 0.086

Nombre del modelo: C:\Trabajos\LLOBREGAT\P-3\7731-7730.abs2

Fecha: 26/5/2009 21:05

ORIENTACIÓN ABSOLUTA

417711.339 4582929.933 832.890

5.136164019983225

-0.364384209195980	-0.931076254581685	-0.017920832646989	Omega:	-0.4707
0.928768934697645	-0.364750044808949	0.065921701680642	Phi:	-4.3269
-0.067914755607466	0.007376514489315	0.997663857722012	Kappa:	-123.8018

POINT	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-Ez-
9043	417366.79	4582308.96	27.91	-77.214	105.390	-163.135	-0.081	0.035	0.028
9044	417439.35	4582794.34	24.98	5.476	57.779	-157.720	0.056	-0.073	-0.004
9022	418257.90	4582643.95	19.36	-79.737	-79.933	-163.595	0.019	0.026	-0.032
9023	418148.50	4583079.89	19.75	6.848	-91.066	-157.562	-0.023	0.034	0.071
1115	417793.29	4582974.62	20.37	13.015	-19.192	-157.526	0.029	-0.022	-0.064

EM.= 0.063

Nombre del modelo: C:\Trabajos\Llobregat\P-3\7732-7731.abs2

Fecha: 26/5/2009 21:05

ORIENTACIÓN ABSOLUTA

417545.342 4583304.434 833.337

5.005593272569628

-0.365952640919368	-0.930396406177633	-0.021004570357075	Omega:	-0.2488
0.928205542617636	-0.366534206480081	0.063930791751065	Phi:	-4.2800
-0.067179872417567	0.003899083451629	0.997733261894278	Kappa:	-123.9080

POINT	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-Ez-
9023	418148.50	4583079.89	19.75	-74.817	-96.291	-167.570	0.039	0.029	0.018
9044	417439.35	4582794.34	24.98	-76.001	56.420	-167.195	-0.027	0.039	-0.000
9024	417920.38	4583484.03	20.46	16.805	-83.497	-161.303	-0.004	-0.059	-0.008
9045	417215.59	4583161.70	41.34	8.272	71.119	-158.305	-0.026	-0.023	0.011
1115	417793.29	4582974.62	20.37	-68.377	-22.565	-167.293	0.014	0.012	-0.020

EM.= 0.036

Nombre del modelo: C:\Trabajos\Llobregat\P-3\7733-7732.abs2

Fecha: 26/5/2009 21:03

ORIENTACIÓN ABSOLUTA

416542.993 4585552.164 842.074

5.725498806020460

-0.358307191926969	-0.933555688418974	-0.009472741629798	Omega:	-1.6623
0.928856167093127	-0.357488721857587	0.097098066910175	Phi:	-5.9952
-0.094032850996204	0.025992121214004	0.995229738587188	Kappa:	-123.4380

POINT	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-Ez-
9061	416769.58	4584956.52	26.56	-97.416	-3.453	-152.233	0.025	-0.003	-0.001
9052	416330.46	4585572.91	39.15	29.852	29.716	-138.856	0.006	0.008	-0.044
9029	417100.38	4585379.51	28.12	-49.525	-83.816	-145.327	-0.094	-0.030	-0.047
9030	417035.96	4585758.03	26.43	15.936	-96.925	-139.109	0.045	0.069	0.027
9051	416589.45	4585266.16	27.84	-35.929	6.585	-146.469	0.006	-0.023	0.054
1116	416660.72	4585731.17	27.25	35.060	-34.071	-138.796	0.012	-0.020	0.012

EM.= 0.049

Nombre del modelo: C:\Trabajos\LLOBREGAT\P-3\7739-7738.abs2

Fecha: 26/5/2009 21:31

ORIENTACIÓN ABSOLUTA

416379.524 4585936.594 832.525

4.721908875886582

-0.362424416167021	-0.930780154722543	-0.047925422696864	Omega:	1.5328
0.929365990961230	-0.364789770730561	0.056632835131185	Phi:	-4.4725
-0.070195423003535	-0.024015135748604	0.997244140541488	Kappa:	-123.6714

POINT	-XT-	-YT-	-ZT-	-xi-	-yi-	-zi-	-Ex-	-Ey-	-Ez-
9052	416330.46	4585572.91	39.15	-56.016	41.815	-171.399	0.061	-0.001	-0.097
9030	417035.96	4585758.03	26.43	-73.534	-111.515	-179.062	-0.040	-0.066	0.068
9031	416636.50	4586064.65	28.63	17.415	-56.459	-170.840	-0.028	0.064	-0.063
9053	416013.70	4585768.54	67.35	6.378	88.982	-159.923	-0.019	-0.008	0.092
1116	416660.72	4585731.17	27.25	-50.043	-35.458	-175.387	0.027	0.010	0.000

EM.= 0.073

Nombre del modelo: C:\Trabajos\LLOBREGAT\P-3\7740-7739.abs2

Fecha: 26/5/2009 21:34

3.12.- PUNTOS SINGULARES

3.12.1.- Bandas blancas

Punto	X	Y	Z	Código
2001	417628,527	4584818,398	26,731	LB
2002	417638,840	4584805,562	26,243	LB
2003	417648,350	4584793,748	26,023	LB
2004	417658,719	4584780,775	26,076	LB
2005	417668,189	4584769,100	26,156	LB
2006	417679,339	4584755,257	26,207	LB
2007	417689,797	4584742,313	26,324	LB
2008	417699,787	4584729,894	26,350	LB
2009	417708,409	4584719,147	26,333	LB
2010	417714,445	4584711,686	26,336	LB
2011	417718,263	4584706,049	26,429	LB
2012	417720,702	4584698,443	26,598	LB
2013	417720,663	4584690,528	26,734	LB
2014	417718,749	4584684,620	26,950	LB
2015	417717,483	4584683,817	27,007	LB
2016	417705,276	4584679,065	27,450	LB
2017	417692,091	4584673,893	28,045	LB
2018	417678,473	4584668,504	28,617	LB
2019	417661,963	4584661,924	29,169	LB
2020	417657,947	4584672,930	29,445	LB
2021	417666,925	4584676,853	29,105	LB
2022	417675,683	4584682,499	28,548	LB
2023	417683,213	4584690,915	27,782	LB
2024	417687,986	4584701,192	27,111	LB
2025	417689,399	4584713,560	26,378	LB
2026	417687,197	4584725,671	25,749	LB
2027	417679,368	4584736,012	25,062	LB
2028	417670,033	4584740,750	24,546	LB
2029	417670,964	4584748,219	24,996	LB
2030	417681,133	4584743,958	25,428	LB
2031	417689,262	4584736,346	25,836	LB
2032	417695,007	4584726,050	26,302	LB
2033	417697,172	4584715,677	26,740	LB
2034	417696,802	4584704,274	27,180	LB
2035	417693,669	4584692,961	27,767	LB
2036	417687,401	4584682,792	28,262	LB
2037	417679,655	4584675,447	28,725	LB
2038	417670,609	4584670,437	29,191	LB
2039	417660,326	4584666,279	29,498	LB
2040	417610,355	4584653,955	30,732	LB
2041	417594,203	4584647,541	31,145	LB
2042	417584,427	4584643,589	31,306	LB

Punto	X	Y	Z	Código
2043	417574,801	4584639,299	31,435	LB
2044	417565,883	4584634,540	31,427	LB
2045	417559,013	4584630,325	31,557	LB
2046	417544,763	4584621,212	31,813	LB
2047	417554,955	4584628,860	31,574	LB
2048	417562,510	4584636,768	31,343	LB
2049	417567,849	4584646,180	31,062	LB
2050	417570,490	4584656,262	30,802	LB
2051	417571,011	4584668,105	30,508	LB
2052	417569,453	4584679,967	30,040	LB
2053	417566,543	4584691,834	29,469	LB
2054	417563,261	4584702,838	28,937	LB
2055	417559,757	4584714,220	28,360	LB
2056	417555,867	4584726,657	27,747	LB
2057	417551,624	4584740,063	27,236	LB
2058	417546,850	4584754,467	26,944	LB
2059	417541,163	4584770,960	26,900	LB
2060	417535,809	4584786,385	27,157	LB
2061	417530,767	4584800,699	27,444	LB
2062	417526,903	4584800,512	27,541	LB
2063	417531,682	4584786,651	27,182	LB
2064	417536,730	4584771,985	26,856	LB
2065	417536,725	4584771,997	26,850	LB
2066	417541,423	4584758,329	26,886	LB
2067	417541,411	4584758,317	26,871	LB
2068	417544,730	4584748,332	26,963	LB
2069	417547,950	4584738,320	27,224	LB
2070	417551,307	4584727,732	27,606	LB
2071	417554,382	4584717,718	28,053	LB
2072	417557,837	4584706,486	28,565	LB
2073	417560,931	4584696,340	29,044	LB
2074	417564,040	4584685,370	29,602	LB
2075	417566,154	4584675,294	30,099	LB
2076	417566,887	4584664,463	30,518	LB
2077	417565,779	4584653,577	30,855	LB
2078	417561,884	4584642,911	31,121	LB
2079	417555,684	4584634,374	31,365	LB
2080	417546,948	4584626,849	31,595	LB
2081	417538,062	4584620,948	31,846	LB
2082	417538,051	4584620,947	31,850	LB
2083	417527,796	4584615,443	32,174	LB
2084	417515,899	4584610,282	32,446	LB

Punto	X	Y	Z	Código
2085	417504,041	4584605,527	32,642	LB
2086	417504,019	4584605,509	32,642	LB
2087	417493,705	4584601,381	32,865	LB
2088	417482,285	4584596,869	33,117	LB
2089	417471,293	4584592,523	33,336	LB
2090	417471,157	4584564,997	33,537	LB
2091	417481,946	4584569,325	33,344	LB
2092	417493,812	4584574,051	33,096	LB
2093	417505,558	4584578,720	32,823	LB
2094	417519,102	4584584,116	32,561	LB
2095	417528,188	4584587,724	32,371	LB
2096	417538,127	4584591,577	32,154	LB
2097	417549,599	4584594,637	31,871	LB
2098	417549,561	4584594,640	31,870	LB
2099	417561,150	4584596,338	31,580	LB
2100	417561,153	4584596,321	31,611	LB
2101	417572,850	4584595,684	31,295	LB
2102	417584,387	4584591,939	30,917	LB
2103	417594,676	4584585,884	30,590	LB
2104	417604,465	4584574,852	30,251	LB
2105	417612,160	4584562,671	29,900	LB
2106	417620,223	4584549,253	29,490	LB
2107	417628,656	4584535,271	28,984	LB
2108	417637,569	4584520,427	28,486	LB
2109	417646,126	4584506,089	27,947	LB
2110	417654,412	4584492,163	27,516	LB
2111	417662,588	4584478,238	27,027	LB
2112	417670,412	4584464,615	26,610	LB
2113	417678,652	4584449,719	26,260	LB
2114	417686,470	4584435,027	26,170	LB
2115	417686,472	4584435,023	26,162	LB
2116	417693,345	4584421,613	26,160	LB
2117	417697,814	4584428,076	26,262	LB
2118	417689,984	4584443,178	26,334	LB
2119	417682,125	4584457,686	26,526	LB
2120	417674,685	4584471,171	26,809	LB
2121	417666,986	4584484,655	27,278	LB
2122	417659,078	4584498,224	27,721	LB
2123	417650,237	4584513,255	28,183	LB
2124	417641,884	4584527,359	28,709	LB
2125	417633,862	4584540,943	29,168	LB
2126	417625,885	4584554,381	29,623	LB

Punto	X	Y	Z	Código
2127	417618,464	4584566,721	30,041	LB
2128	417610,596	4584579,912	30,461	LB
2129	417602,472	4584593,563	30,852	LB
2130	417597,451	4584601,978	30,978	LB
2131	417594,010	4584608,162	31,035	LB
2132	417592,177	4584612,723	31,079	LB
2133	417592,071	4584616,938	31,123	LB
2134	417592,785	4584620,209	31,157	LB
2135	417603,475	4584624,465	30,900	LB
2136	417618,931	4584630,665	30,511	LB
2137	417634,636	4584636,949	30,086	LB
2138	417650,768	4584643,376	29,686	LB
2139	417665,755	4584649,282	29,242	LB
2140	417680,285	4584655,046	28,707	LB
2141	417680,277	4584655,048	28,711	LB
2142	417690,249	4584658,996	28,378	LB
2143	417696,379	4584661,423	28,147	LB
2144	417692,264	4584657,931	28,267	LB
2145	417688,896	4584653,418	28,351	LB
2146	417687,383	4584646,276	28,413	LB
2147	417688,018	4584639,691	28,374	LB
2148	417688,644	4584636,120	28,303	LB
2149	417691,444	4584625,260	28,114	LB
2150	417694,671	4584613,761	27,924	LB
2151	417698,813	4584599,092	27,677	LB
2152	417702,496	4584586,110	27,465	LB
2153	417706,644	4584586,927	27,351	LB
2154	417703,538	4584598,005	27,517	LB
2155	417700,401	4584609,504	27,757	LB
2156	417700,392	4584609,527	27,737	LB
2157	417697,294	4584621,215	27,939	LB
2158	417694,644	4584632,080	28,109	LB
2159	417692,631	4584642,757	28,193	LB
2160	417692,400	4584648,167	28,215	LB
2161	417694,079	4584653,661	28,143	LB
2162	417698,862	4584658,491	27,994	LB
2163	417702,262	4584660,653	27,858	LB
2164	417709,831	4584664,702	27,543	LB
2165	417720,723	4584670,417	27,137	LB
2166	417725,026	4584672,659	26,951	LB
2167	417739,718	4584695,935	26,160	LB
2168	417734,596	4584699,040	26,530	LB

Punto	X	Y	Z	Código
2169	417729,775	4584704,332	26,324	LB
2170	417729,752	4584704,318	26,350	LB
2171	417721,610	4584714,194	26,294	LB
2172	417713,217	4584724,497	26,256	LB
2173	417713,228	4584724,491	26,259	LB
2174	417702,638	4584737,493	26,210	LB
2175	417692,820	4584749,650	26,099	LB
2176	417692,793	4584749,663	26,102	LB
2177	417682,892	4584761,997	26,058	LB
2178	417682,911	4584761,964	26,092	LB
2179	417672,966	4584774,411	25,966	LB
2180	417662,103	4584788,513	25,847	LB
2181	417662,103	4584788,507	25,846	LB
2182	417651,173	4584803,502	25,888	LB
2183	417642,576	4584816,072	26,047	LB
2184	417633,700	4584829,261	26,281	LB
2185	417625,322	4584842,028	26,518	LB
2186	417616,658	4584855,499	26,618	LB
2187	417607,459	4584870,466	26,631	LB
2188	417375,551	4585380,228	26,649	LB
2189	417366,131	4585398,440	26,895	LB
2190	417356,808	4585416,511	27,099	LB
2191	417347,683	4585433,927	27,291	LB
2192	417336,637	4585454,920	27,641	LB
2193	417345,552	4585435,112	27,382	LB
2194	417353,798	4585416,833	27,132	LB
2195	417362,403	4585397,824	26,970	LB
2196	417371,385	4585377,933	26,742	LB
2197	417381,411	4585379,986	26,791	LB
2198	417378,520	4585382,726	26,761	LB
2199	417376,073	4585386,709	26,797	LB
2200	417368,718	4585401,151	26,888	LB
2201	417361,174	4585415,794	27,037	LB
2202	417353,580	4585430,394	27,223	LB
2203	417346,114	4585444,714	27,399	LB
2204	417338,781	4585458,782	27,648	LB
2205	417331,413	4585472,969	27,867	LB
2206	417324,271	4585486,815	28,027	LB
2207	417317,366	4585500,791	28,230	LB
2208	417309,452	4585517,021	28,432	LB
2209	417309,463	4585517,014	28,423	LB
2210	417302,662	4585531,030	28,645	LB

Punto	X	Y	Z	Código
2211	417297,620	4585541,863	28,732	LB
2212	417297,368	4585541,712	28,728	LB
2213	417288,931	4585560,302	28,971	LB
2214	417288,950	4585560,295	28,984	LB
2215	417280,978	4585577,922	29,186	LB
2216	417280,964	4585577,937	29,193	LB
2217	417272,456	4585596,694	29,425	LB
2218	417263,980	4585615,612	29,668	LB
2219	417255,844	4585633,694	29,877	LB
2220	417247,582	4585652,115	30,101	LB
2221	417239,564	4585670,080	30,323	LB
2222	417206,953	4585753,409	31,255	LB
2223	417202,060	4585767,350	31,441	LB
2224	417196,673	4585783,145	31,727	LB
2225	417191,423	4585799,330	31,977	LB
2226	417191,423	4585799,319	31,955	LB
2227	417186,533	4585815,334	32,218	LB
2228	417181,034	4585834,629	32,614	LB
2229	417176,813	4585849,929	32,965	LB
2230	417173,009	4585864,255	33,200	LB
2231	417168,756	4585880,463	33,573	LB
2232	417164,397	4585896,786	33,998	LB
2233	417160,008	4585913,141	34,425	LB
2234	417155,482	4585929,362	34,866	LB
2235	417151,080	4585944,702	35,258	LB
2236	417146,403	4585960,283	35,789	LB
2237	417141,405	4585976,086	36,286	LB
2238	417136,403	4585991,173	36,748	LB
2239	417130,953	4586007,117	37,150	LB
2240	417125,892	4586021,378	37,373	LB
2241	417119,790	4586038,378	37,568	LB
2242	417120,086	4586038,500	37,548	LB
2243	417118,403	4586043,369	37,618	LB
2244	417117,068	4586048,882	37,703	LB
2245	417117,063	4586048,874	37,697	LB
2246	417117,056	4586054,058	37,723	LB
2247	417120,444	4586058,805	37,682	LB
2248	417126,330	4586060,436	37,527	LB
2249	417131,053	4586058,743	37,245	LB
2250	416985,868	4586207,316	36,859	LB
2251	416986,772	4586193,059	37,055	LB
2252	416988,013	4586177,743	37,142	LB

Punto	X	Y	Z	Código
2253	416990,130	4586161,946	37,128	LB
2254	416993,181	4586146,503	37,018	LB
2255	416996,677	4586131,311	36,896	LB
2256	417000,913	4586114,456	36,757	LB
2257	417005,256	4586098,078	36,658	LB
2258	417009,618	4586082,766	36,632	LB
2259	417014,523	4586066,725	36,558	LB
2260	417019,447	4586052,068	36,553	LB
2261	417024,990	4586036,754	36,454	LB
2262	417031,889	4586018,682	36,304	LB
2263	417037,660	4586004,568	36,152	LB
2264	417043,721	4585990,364	35,958	LB
2265	417049,938	4585976,117	35,764	LB
2266	417056,095	4585962,200	35,597	LB
2267	417062,918	4585946,546	35,435	LB
2268	417062,917	4585946,546	35,413	LB
2269	417068,617	4585933,094	35,275	LB
2270	417074,543	4585918,422	35,090	LB
2271	417080,023	4585903,658	34,756	LB
2272	417084,783	4585889,647	34,431	LB
2273	417089,368	4585875,132	34,257	LB
2274	417089,369	4585875,135	34,204	LB
2275	417093,858	4585859,964	33,781	LB
2276	417097,585	4585846,555	33,497	LB
2277	417103,370	4585851,876	33,720	LB
2278	417099,158	4585867,123	34,206	LB
2279	417094,587	4585882,325	34,634	LB
2280	417089,948	4585896,774	35,011	LB
2281	417084,428	4585912,329	35,335	LB
2282	417078,845	4585926,707	35,500	LB
2283	417072,814	4585941,449	35,663	LB
2284	417072,801	4585941,439	35,643	LB
2285	417066,382	4585956,268	35,742	LB
2286	417060,420	4585969,896	35,792	LB
2287	417053,880	4585984,636	35,853	LB
2288	417047,331	4585999,698	35,873	LB
2289	417040,437	4586016,187	35,954	LB
2290	417034,574	4586031,186	36,052	LB
2291	417034,549	4586031,203	36,027	LB
2292	417028,257	4586048,186	36,096	LB
2293	417022,826	4586063,913	36,241	LB
2294	417017,960	4586079,271	36,381	LB

Punto	X	Y	Z	Código
2295	417012,473	4586097,965	36,537	LB
2296	417008,746	4586112,046	36,584	LB
2297	417005,305	4586126,441	36,612	LB
2298	417002,076	4586141,416	36,661	LB
2299	416999,263	4586156,497	36,670	LB
2300	416997,350	4586170,933	36,679	LB
2301	416996,954	4586181,392	36,756	LB
2302	416997,281	4586187,381	36,773	LB
2303	416998,319	4586193,226	36,832	LB
2304	417098,249	4586080,806	37,640	LB
2305	417099,627	4586081,697	37,723	LB
2306	417105,785	4586066,023	37,692	LB
2307	417111,087	4586051,701	37,571	LB
2308	417116,328	4586037,216	37,510	LB
2309	417121,414	4586022,508	37,271	LB
2310	417126,009	4586008,550	37,099	LB
2311	417130,474	4585994,216	36,785	LB
2312	417134,667	4585980,002	36,324	LB
2313	417142,395	4585952,478	35,425	LB
2314	417142,438	4585952,512	35,441	LB
2315	417147,192	4585934,770	34,939	LB
2316	417152,067	4585916,061	34,417	LB
2317	417156,907	4585897,524	33,977	LB
2318	417161,762	4585879,100	33,598	LB
2319	417166,453	4585861,238	33,279	LB
2320	417171,150	4585843,674	32,995	LB
2321	417174,953	4585829,853	32,729	LB
2322	417179,318	4585814,674	32,446	LB
2323	417183,769	4585799,960	32,196	LB
2324	417188,200	4585786,074	31,980	LB
2325	417193,180	4585771,315	31,753	LB
2326	417198,086	4585756,165	31,562	LB
2327	417203,480	4585742,275	31,317	LB
2328	417233,266	4585666,719	30,369	LB
2329	417241,169	4585648,998	30,141	LB
2330	417248,515	4585632,637	29,907	LB
2331	417256,516	4585614,815	29,663	LB
2332	417264,487	4585597,036	29,416	LB
2333	417271,998	4585580,467	29,240	LB
2334	417279,842	4585563,020	29,008	LB
2335	417288,407	4585544,093	28,887	LB
2336	417296,362	4585526,401	28,590	LB

Punto	X	Y	Z	Código
2337	417296,358	4585526,423	28,575	LB
2338	417297,637	4585523,507	28,562	LB
2339	417305,766	4585505,750	28,366	LB
2340	417313,561	4585488,565	28,091	LB
2341	417321,184	4585471,660	27,902	LB
2342	417329,311	4585453,634	27,686	LB
2343	417337,470	4585435,668	27,420	LB
2344	417345,534	4585417,863	27,195	LB
2345	417353,468	4585400,204	26,943	LB
2346	417367,373	4585369,507	26,701	LB
2347	418308,262	4582727,007	31,729	LB
2348	418308,245	4582731,704	31,667	LB
2349	418307,692	4582737,414	31,619	LB
2350	418308,126	4582743,535	31,617	LB
2351	418309,967	4582751,580	31,665	LB
2352	418309,968	4582751,591	31,633	LB
2353	418310,821	4582758,392	31,704	LB
2354	418310,545	4582766,982	31,669	LB
2355	418308,949	4582774,898	31,523	LB
2356	418303,725	4582782,207	31,187	LB
2357	418305,705	4582783,242	31,093	LB
2358	418300,831	4582792,028	30,664	LB
2359	418297,072	4582801,918	30,226	LB
2360	418295,169	4582812,461	29,742	LB
2361	418295,522	4582824,391	29,218	LB
2362	418298,095	4582835,623	28,695	LB
2363	418303,409	4582846,004	28,215	LB
2364	418310,773	4582854,804	27,681	LB
2365	418318,581	4582861,586	27,138	LB
2366	418328,604	4582869,400	26,465	LB
2367	418337,038	4582875,990	25,871	LB
2368	418661,810	4582995,405	23,567	LB
2369	418648,901	4582985,655	23,984	LB
2370	418637,123	4582976,699	24,364	LB
2371	418623,678	4582966,326	24,911	LB
2372	418610,711	4582956,302	25,561	LB
2373	418597,749	4582946,504	26,185	LB
2374	418591,065	4582942,063	26,571	LB
2375	418584,562	4582938,916	26,809	LB
2376	418577,114	4582937,095	27,003	LB
2377	418569,222	4582936,876	27,242	LB
2378	418578,420	4582927,713	27,245	LB

Punto	X	Y	Z	Código
2379	418576,782	4582929,640	27,251	LB
2380	418584,194	4582931,383	27,053	LB
2381	418591,601	4582934,485	26,814	LB
2382	418600,293	4582939,891	26,335	LB
2383	418609,389	4582946,446	25,856	LB
2384	418621,794	4582955,927	25,275	LB
2385	418634,754	4582965,974	24,678	LB
2386	418647,355	4582975,732	24,112	LB
2387	418659,050	4582984,582	23,631	LB
2388	418515,552	4582954,323	27,421	LB
2389	418509,564	4582963,241	27,026	LB
2390	418502,269	4582971,659	26,509	LB
2391	418493,757	4582978,354	25,971	LB
2392	418484,095	4582983,375	25,511	LB
2393	418473,865	4582987,140	25,116	LB
2394	418461,761	4582991,037	24,769	LB
2395	418448,698	4582995,635	24,470	LB
2396	418436,762	4583000,983	24,155	LB
2397	418424,475	4583008,190	24,093	LB
2398	418415,327	4583016,133	23,917	LB
2399	418397,959	4583039,819	23,599	LB
2400	418393,496	4583052,301	23,778	LB
2401	418387,611	4583073,434	23,981	LB
2402	418385,860	4583064,405	24,034	LB
2403	418389,481	4583051,608	23,933	LB
2404	418393,723	4583039,468	23,792	LB
2405	418399,162	4583028,956	23,893	LB
2406	418405,841	4583019,856	24,066	LB
2407	418413,524	4583011,829	24,197	LB
2408	418423,178	4583004,361	24,383	LB
2409	418431,506	4582999,203	24,362	LB
2410	418438,522	4582994,806	24,431	LB
2411	418443,556	4582990,892	24,467	LB
2412	418448,949	4582986,334	24,475	LB
2413	418453,132	4582986,834	24,564	LB
2414	418449,854	4582990,647	24,532	LB
2415	418465,121	4582985,662	24,761	LB
2416	418478,531	4582981,243	25,119	LB
2417	418488,428	4582976,799	25,551	LB
2418	418497,345	4582970,684	26,097	LB
2419	418504,620	4582963,025	26,673	LB
2420	418510,332	4582954,919	27,157	LB

Punto	X	Y	Z	Código
2421	417593,475	4584771,610	25,816	LB
2422	417585,600	4584790,573	26,410	LB
2423	417577,422	4584810,170	27,032	LB
2424	417569,336	4584829,619	27,660	LB
2425	417560,837	4584850,173	28,321	LB
2426	417552,799	4584869,737	28,866	LB
2427	417544,345	4584890,598	29,432	LB
2428	417536,200	4584910,948	29,941	LB
2429	417527,955	4584931,745	30,344	LB
2430	417520,016	4584951,838	30,695	LB
2431	417511,396	4584973,650	30,960	LB
2432	417503,190	4584994,406	31,176	LB
2433	417495,138	4585014,871	31,286	LB
2434	417486,355	4585037,050	31,298	LB
2435	417477,719	4585058,893	31,348	LB
2436	417471,114	4585075,524	31,346	LB
2437	417462,655	4585096,561	31,319	LB
2438	417454,760	4585115,941	31,320	LB
2439	417469,815	4585092,671	31,250	LB
2440	417469,809	4585092,669	31,242	LB
2441	417461,756	4585110,834	31,207	LB
2442	417453,404	4585130,198	31,222	LB
2443	417445,358	4585149,239	31,214	LB
2444	417445,366	4585149,240	31,206	LB
2445	417436,939	4585169,633	31,158	LB
2446	417436,902	4585169,610	31,163	LB
2447	417428,225	4585190,564	31,134	LB
2448	417419,813	4585210,812	31,119	LB
2449	417419,829	4585210,804	31,106	LB
2450	417411,572	4585230,749	31,099	LB
2451	417402,816	4585251,990	31,068	LB
2452	417402,776	4585251,964	31,068	LB
2453	417393,852	4585273,207	31,048	LB
2454	417385,589	4585292,397	30,966	LB
2455	417378,245	4585309,109	30,915	LB
2456	417378,248	4585309,104	30,913	LB
2457	417370,396	4585326,878	30,884	LB
2458	417363,350	4585342,762	30,870	LB
2459	417356,510	4585358,239	30,852	LB
2460	417350,042	4585373,161	30,845	LB
2461	417343,638	4585387,960	30,819	LB
2462	417336,947	4585403,461	30,816	LB

Punto	X	Y	Z	Código
2463	417329,414	4585421,108	30,760	LB
2464	417328,904	4585420,871	30,770	LB
2465	417322,256	4585437,913	30,716	LB
2466	417321,893	4585437,746	30,742	LB
2467	417313,597	4585457,805	30,699	LB
2468	417304,042	4585480,829	30,678	LB
2469	417295,707	4585501,082	30,629	LB
2470	417295,734	4585501,095	30,617	LB
2471	417287,262	4585521,625	30,568	LB
2472	417278,718	4585542,248	30,479	LB
2473	417270,581	4585561,900	30,440	LB
2474	417270,605	4585561,896	30,429	LB
2475	417262,234	4585582,012	30,461	LB
2476	417254,405	4585601,132	30,532	LB
2477	417254,393	4585601,137	30,532	LB
2478	417189,903	4585764,214	32,621	LB
2479	417182,624	4585783,169	33,065	LB
2480	417175,668	4585801,535	33,537	LB
2481	417168,034	4585821,982	34,074	LB
2482	417160,789	4585841,854	34,653	LB
2483	417153,630	4585861,619	35,265	LB
2484	417146,369	4585881,966	35,922	LB
2485	417139,452	4585901,547	36,562	LB
2486	417139,447	4585901,551	36,565	LB
2487	417132,303	4585922,076	37,238	LB
2488	417124,990	4585943,121	37,988	LB
2489	417117,950	4585963,715	38,679	LB
2490	417110,978	4585984,541	39,430	LB
2491	417104,189	4586004,951	40,218	LB
2492	417097,011	4586026,965	41,104	LB
2493	417090,553	4586047,440	41,826	LB
2494	417083,645	4586069,941	42,521	LB
2495	417083,646	4586069,958	42,509	LB
2496	417083,628	4586069,940	42,512	LB
2497	417077,480	4586090,199	43,062	LB
2498	417071,669	4586109,899	43,739	LB
2499	417066,082	4586129,154	44,322	LB
2500	417010,958	4586185,918	46,090	LB
2501	417011,304	4586186,022	46,095	LB
2502	417016,350	4586167,201	45,636	LB
2503	417015,776	4586167,033	45,660	LB
2504	417019,826	4586151,151	45,228	LB

Punto	X	Y	Z	Código
2505	417024,923	4586131,376	44,763	LB
2506	417030,760	4586108,898	44,351	LB
2508	417036,473	4586087,635	43,718	LB
2509	417036,475	4586087,615	43,748	LB
2510	417041,624	4586068,628	43,241	LB
2511	417047,298	4586048,597	42,676	LB
2512	417047,308	4586048,604	42,687	LB
2513	417053,625	4586027,393	42,011	LB
2514	417059,674	4586007,979	41,290	LB
2515	417065,930	4585988,497	40,450	LB
2516	417072,472	4585968,795	39,645	LB
2517	417072,463	4585968,812	39,649	LB
2518	417072,476	4585968,816	39,654	LB
2519	417079,593	4585947,875	38,811	LB
2520	417079,601	4585947,882	38,793	LB
2521	417086,531	4585927,551	37,944	LB
2522	417086,531	4585927,557	37,940	LB
2523	417092,104	4585907,618	36,787	LB
2524	417093,135	4585908,303	37,218	LB
2525	417093,139	4585908,311	37,209	LB
2526	417099,765	4585888,940	36,548	LB
2527	417099,743	4585888,953	36,550	LB
2528	417106,253	4585869,881	35,912	LB
2529	417112,863	4585850,693	35,300	LB
2530	417118,147	4585835,058	34,806	LB
2531	417931,409	4582431,152	28,099	LB
2532	417916,266	4582419,445	27,071	LB
2533	417900,712	4582407,409	26,002	LB
2534	417883,082	4582393,782	24,841	LB
2535	417868,139	4582382,249	24,069	LB
2536	417852,796	4582370,402	23,483	LB
2537	417837,015	4582358,240	23,037	LB
2538	417837,017	4582358,237	23,025	LB
2539	417820,952	4582345,781	22,790	LB
2540	417804,912	4582333,392	22,768	LB
2541	417796,141	4582326,655	22,843	LB
2542	417787,507	4582319,913	22,954	LB
2543	417779,142	4582312,964	23,073	LB
2544	417770,742	4582305,163	23,182	LB
2545	417762,506	4582296,533	23,253	LB
2546	417754,778	4582287,390	23,305	LB
2547	417747,298	4582277,492	23,373	LB

Punto	X	Y	Z	Código
2548	417747,305	4582277,508	23,376	LB
2549	417739,853	4582266,217	23,445	LB
2550	417733,770	4582255,562	23,480	LB
2551	417728,735	4582245,212	23,542	LB
2552	417723,634	4582233,303	23,603	LB
2553	417720,053	4582223,038	23,661	LB
2554	417715,574	4582208,211	23,772	LB
2555	417711,268	4582193,009	23,915	LB
2556	417707,015	4582178,163	24,072	LB
2557	417704,027	4582169,777	24,228	LB
2558	417701,692	4582165,115	24,347	LB
2559	417697,650	4582160,642	24,434	LB
2560	417690,671	4582158,219	24,527	LB
2561	417683,790	4582159,170	24,576	LB
2562	417706,888	4582135,999	24,822	LB
2563	417705,822	4582141,814	24,722	LB
2564	417705,353	4582145,854	24,633	LB
2565	417706,574	4582151,977	24,476	LB
2566	417709,428	4582157,993	24,272	LB
2567	417713,137	4582165,660	24,012	LB
2568	417716,511	4582175,602	23,768	LB
2569	417718,669	4582185,735	23,602	LB
2570	417720,144	4582194,316	23,499	LB
2571	417726,725	4582221,138	23,362	LB
2572	417730,602	4582231,781	23,276	LB
2573	417735,658	4582243,572	23,214	LB
2574	417742,303	4582256,405	23,176	LB
2575	417749,841	4582268,687	23,066	LB
2576	417758,603	4582280,876	22,993	LB
2577	417767,261	4582291,194	22,936	LB
2578	417775,540	4582299,905	22,882	LB
2579	417786,511	4582309,905	22,876	LB
2580	417799,204	4582320,005	22,818	LB
2581	417815,761	4582332,728	22,753	LB
2582	417815,741	4582332,767	22,769	LB
2583	417832,149	4582345,471	22,892	LB
2584	417847,779	4582357,565	23,225	LB
2585	417863,905	4582369,994	23,730	LB
2586	417880,187	4582382,622	24,500	LB
2587	417895,102	4582394,150	25,362	LB
2588	417895,106	4582394,150	25,352	LB
2589	417911,063	4582406,478	26,423	LB

Punto	X	Y	Z	Código
2590	417928,622	4582420,084	27,640	LB
2591	417983,886	4582422,675	29,636	LB
2592	417988,762	4582411,699	29,496	LB
2593	417993,585	4582400,044	29,227	LB
2594	417998,625	4582388,008	28,813	LB
2595	418003,667	4582376,116	28,337	LB
2596	418010,168	4582361,105	27,624	LB
2597	418016,833	4582346,306	26,867	LB
2598	418023,899	4582331,162	26,152	LB
2599	418031,589	4582315,572	25,403	LB
2600	418039,157	4582300,912	24,653	LB
2601	418046,889	4582286,369	23,946	LB
2602	418054,601	4582272,460	23,405	LB
2603	418062,000	4582259,622	22,986	LB
2604	418070,656	4582244,987	22,578	LB
2605	418080,096	4582229,410	22,336	LB
2606	418088,623	4582214,911	22,207	LB
2607	418096,688	4582200,643	22,183	LB
2608	418105,059	4582185,227	22,166	LB
2609	418112,533	4582171,008	22,143	LB
2610	418120,762	4582154,824	22,153	LB
2611	418130,134	4582135,485	22,109	LB
2612	418139,326	4582116,086	22,057	LB
2613	418147,709	4582098,365	22,029	LB
2614	417115,203	4584897,810	27,973	LB
2615	417107,193	4584915,995	28,198	LB
2616	417098,691	4584934,659	28,373	LB
2617	417090,116	4584954,826	28,603	LB
2618	417089,384	4584954,448	28,556	LB
2619	417080,066	4584973,426	28,737	LB
2620	417069,611	4584994,108	28,941	LB
2621	417059,069	4585014,179	29,123	LB
2622	417049,011	4585032,679	29,296	LB
2623	417038,026	4585052,425	29,434	LB
2624	417028,003	4585070,277	29,549	LB
2625	417017,681	4585088,825	29,657	LB
2626	417006,936	4585108,360	29,752	LB
2627	416997,437	4585125,848	29,907	LB
2628	416988,000	4585143,559	30,020	LB
2629	416979,075	4585160,787	30,058	LB
2630	416968,998	4585180,739	29,873	LB
2631	416960,401	4585198,305	29,799	LB

Punto	X	Y	Z	Código
2632	416951,238	4585217,947	29,885	LB
2633	416951,196	4585217,953	29,890	LB
2634	416945,216	4585231,598	29,983	LB
2635	416939,676	4585245,780	30,057	LB
2636	416934,833	4585260,361	30,144	LB
2637	416930,644	4585275,789	30,206	LB
2638	416926,263	4585297,041	30,315	LB
2639	416926,587	4585297,076	30,315	LB
2640	416923,692	4585312,960	30,394	LB
2641	416924,046	4585313,004	30,397	LB
2642	416922,524	4585328,575	30,485	LB
2643	416921,085	4585343,903	30,554	LB
2644	416919,138	4585359,677	30,708	LB
2645	416919,114	4585359,725	30,696	LB
2646	416916,696	4585376,471	30,826	LB
2647	416914,072	4585392,078	30,934	LB
2648	416910,818	4585408,083	31,072	LB
2649	416906,696	4585422,966	31,199	LB
2650	416906,713	4585422,967	31,201	LB
2651	416841,537	4585557,998	36,004	LB
2652	416834,558	4585572,762	35,943	LB
2653	416827,315	4585589,224	35,645	LB
2654	416820,851	4585604,867	35,175	LB
2655	416815,187	4585619,569	34,559	LB
2656	416809,785	4585634,532	33,790	LB
2657	416804,484	4585650,220	32,999	LB
2658	416798,955	4585668,002	32,419	LB
2659	416794,841	4585667,731	32,662	LB
2660	416799,452	4585652,572	33,090	LB
2661	416804,371	4585637,836	33,721	LB
2662	416809,412	4585623,684	34,447	LB
2663	416814,748	4585609,576	35,108	LB
2664	416820,400	4585595,395	35,631	LB
2665	416826,621	4585580,813	35,999	LB
2666	416834,395	4585563,533	36,192	LB
2667	416794,655	4585683,133	32,212	LB
2668	416790,622	4585698,348	32,219	LB
2669	416786,354	4585715,645	32,491	LB
2670	416782,636	4585732,512	33,248	LB
2671	416778,431	4585753,173	34,251	LB
2672	416778,136	4585753,130	34,239	LB
2673	416774,947	4585769,061	35,019	LB

Punto	X	Y	Z	Código
2674	416772,619	4585780,884	35,597	LB
2675	416771,734	4585786,851	35,887	LB
2676	416771,255	4585792,782	36,176	LB
2677	416770,257	4585802,342	36,655	LB
2678	416768,114	4585813,080	37,098	LB
2679	416765,774	4585823,453	37,439	LB
2680	416763,921	4585834,133	37,706	LB
2681	416763,725	4585844,587	37,838	LB
2682	416765,134	4585852,591	37,934	LB
2683	416766,367	4585860,759	37,977	LB
2684	416755,874	4585833,582	37,791	LB
2685	416757,722	4585836,017	37,821	LB
2686	416759,694	4585823,596	37,530	LB
2687	416762,959	4585808,269	36,870	LB
2688	416766,030	4585793,078	36,124	LB
2689	416769,282	4585777,045	35,329	LB
2690	416772,394	4585761,563	34,601	LB
2691	416775,374	4585746,604	33,870	LB
2692	416778,477	4585730,983	33,139	LB
2693	416781,590	4585715,076	32,528	LB
2694	416784,627	4585699,493	32,422	LB
2695	416787,627	4585683,615	32,537	LB
2696	416790,527	4585668,222	32,820	LB
2697	416793,247	4585653,512	33,345	LB
2698	416305,367	4586814,187	32,870	LB
2699	416318,668	4586797,481	32,847	LB
2700	416331,314	4586781,670	32,824	LB
2701	416343,844	4586765,896	32,800	LB
2702	416356,655	4586749,574	32,796	LB
2703	416369,856	4586732,452	32,829	LB
2704	416382,874	4586715,206	32,826	LB
2705	416395,981	4586697,306	32,822	LB
2706	416408,041	4586680,195	32,816	LB
2707	416420,050	4586662,400	32,846	LB
2708	416430,970	4586645,424	32,887	LB
2709	416441,965	4586627,612	32,977	LB
2710	416453,186	4586608,452	32,976	LB
2711	416463,651	4586589,718	32,982	LB
2712	416473,412	4586571,262	32,938	LB
2713	416482,593	4586552,969	32,924	LB
2714	416491,483	4586534,279	32,891	LB
2715	416499,961	4586515,458	32,856	LB

Punto	X	Y	Z	Código
2716	416507,971	4586496,627	32,818	LB
2717	416515,414	4586477,966	32,733	LB
2718	416522,616	4586459,061	32,708	LB
2719	416529,784	4586439,125	32,704	LB
2720	416537,844	4586415,408	32,611	LB
2721	416537,457	4586415,295	32,591	LB
2722	416542,675	4586400,699	32,567	LB
2723	416542,252	4586400,535	32,536	LB
2724	416548,115	4586381,635	32,506	LB
2725	416553,609	4586362,567	32,414	LB
2726	416558,924	4586343,118	32,344	LB
2727	416564,124	4586323,695	32,359	LB
2728	416569,218	4586304,756	32,223	LB
2729	416574,382	4586285,770	32,091	LB
2730	416580,252	4586265,412	31,976	LB
2731	416586,824	4586243,606	31,824	LB
2732	416592,638	4586224,480	31,745	LB
2733	416598,281	4586205,982	31,669	LB
2734	416604,135	4586186,805	31,533	LB
2735	416609,924	4586167,454	31,405	LB
2736	416615,796	4586146,328	31,250	LB
2737	416620,878	4586126,282	31,131	LB
2738	416625,349	4586106,966	30,999	LB
2739	416629,363	4586088,663	30,890	LB
2740	416632,306	4586074,204	30,782	LB
2741	416635,046	4586059,554	30,857	LB
2742	416637,576	4586045,015	31,158	LB
2743	416640,234	4586029,473	31,665	LB
2744	416642,857	4586014,827	32,213	LB
2745	416645,680	4586000,353	32,881	LB
2746	416648,767	4585985,601	33,523	LB
2747	416652,026	4585971,420	34,148	LB
2748	416655,761	4585955,818	34,863	LB
2749	416656,843	4585950,231	35,130	LB
2750	416657,433	4585944,449	35,413	LB
2751	416658,423	4585937,687	35,723	LB
2752	416660,225	4585930,579	36,012	LB
2753	416663,410	4585919,818	36,399	LB
2754	416666,626	4585909,467	36,674	LB
2755	416669,358	4585899,810	36,765	LB
2756	416670,974	4585889,714	36,800	LB
2757	416670,237	4585879,025	36,732	LB

Punto	X	Y	Z	Código
2758	416679,375	4585894,927	36,956	LB
2759	416677,412	4585892,275	36,937	LB
2760	416674,822	4585902,884	36,753	LB
2761	416671,753	4585913,191	36,523	LB
2762	416668,860	4585923,000	36,214	LB
2763	416665,800	4585933,761	35,822	LB
2764	416662,721	4585945,193	35,326	LB
2765	416659,913	4585956,043	34,797	LB
2766	416657,285	4585966,704	34,304	LB
2767	416654,868	4585976,892	33,867	LB
2768	416651,670	4585991,504	33,185	LB
2769	416648,565	4586006,521	32,502	LB
2770	416645,795	4586021,256	31,877	LB
2771	416643,045	4586037,118	31,360	LB
2772	416640,320	4586052,772	31,022	LB
2773	416637,569	4586068,124	30,873	LB
2774	416634,619	4586083,164	30,906	LB
2775	416631,490	4586097,899	31,000	LB
2776	416628,078	4586112,864	31,116	LB
2777	416624,310	4586128,299	31,199	LB
2778	416672,479	4585835,120	36,488	LB
2779	416679,874	4585831,117	36,665	LB
2780	416686,364	4585826,118	36,776	LB
2781	416693,425	4585821,180	36,853	LB
2782	416700,801	4585817,773	36,989	LB
2783	416708,378	4585815,704	37,116	LB
2784	416691,388	4585689,087	28,879	LB
2785	416693,346	4585673,970	28,610	LB
2786	416695,957	4585658,244	28,346	LB
2787	416699,122	4585643,714	28,127	LB
2788	416703,008	4585629,778	27,862	LB
2789	416707,470	4585616,866	27,615	LB
2790	416713,525	4585602,261	27,346	LB
2791	416719,916	4585588,879	27,298	LB
2792	416725,475	4585578,177	27,638	LB
2793	416736,835	4585557,117	28,956	LB
2794	416744,074	4585543,878	30,185	LB
2795	416751,012	4585531,203	31,224	LB
2796	416756,640	4585520,899	31,878	LB
2797	416766,497	4585502,774	32,428	LB
2798	416766,528	4585502,809	32,386	LB
2799	416774,442	4585488,212	32,439	LB

Punto	X	Y	Z	Código
2800	416781,266	4585474,430	32,485	LB
2801	416788,071	4585458,883	32,472	LB
2802	416793,957	4585444,148	32,423	LB
2803	416799,005	4585430,884	32,410	LB
2804	416802,160	4585433,611	32,148	LB
2805	416796,048	4585449,669	32,193	LB
2806	416790,328	4585463,743	32,256	LB
2807	416783,773	4585478,512	32,284	LB
2808	416783,761	4585478,503	32,288	LB
2809	416776,971	4585492,038	32,175	LB
2810	416769,293	4585506,158	32,166	LB
2811	416760,074	4585523,023	31,779	LB
2812	416753,008	4585535,916	30,958	LB
2813	416745,894	4585548,968	29,797	LB
2814	416740,950	4585558,075	28,977	LB
2815	416726,193	4585585,561	27,329	LB
2816	416719,015	4585599,925	27,234	LB
2817	416713,061	4585613,464	27,487	LB
2818	416707,942	4585627,476	27,797	LB
2819	416703,728	4585641,982	28,142	LB
2820	416700,332	4585656,581	28,484	LB
2821	416697,757	4585671,684	28,751	LB
2822	416695,400	4585689,124	29,038	LB
2823	416691,184	4585689,077	28,816	LB
2824	416692,320	4585673,776	28,536	LB
2825	416692,915	4585658,793	28,223	LB
2826	416693,408	4585644,075	27,982	LB
2827	416693,906	4585629,093	28,023	LB
2828	416694,310	4585614,622	28,327	LB
2829	416694,412	4585600,405	28,875	LB
2830	416694,049	4585586,082	29,712	LB
2831	416693,250	4585571,606	30,754	LB
2832	416692,188	4585556,633	31,878	LB
2833	416691,130	4585542,188	32,931	LB
2834	416689,882	4585527,605	34,020	LB
2835	416688,118	4585513,536	35,030	LB
2836	416685,282	4585499,938	35,832	LB
2837	416680,774	4585486,489	36,489	LB
2838	416674,096	4585472,539	36,764	LB
2839	416666,122	4585460,960	36,981	LB
2840	416655,935	4585449,754	37,101	LB
2841	416666,511	4585459,893	37,045	LB

Punto	X	Y	Z	Código
2842	416676,939	4585471,143	36,898	LB
2843	416687,123	4585483,447	36,719	LB
2844	416696,434	4585495,941	36,669	LB
2845	416704,484	4585508,141	36,555	LB
2846	416711,846	4585521,015	36,474	LB
2847	416718,435	4585534,318	36,327	LB
2848	416723,897	4585547,726	36,007	LB
2849	416728,482	4585561,799	35,425	LB
2850	416731,143	4585572,152	34,936	LB
2851	416735,218	4585571,803	35,124	LB
2852	416731,379	4585557,316	35,809	LB
2853	416726,570	4585543,166	36,269	LB
2854	416720,770	4585529,602	36,556	LB
2855	416713,880	4585516,184	36,699	LB
2856	416706,295	4585503,329	36,793	LB
2857	416698,078	4585491,263	36,844	LB
2858	416689,049	4585479,542	36,989	LB
2859	416679,419	4585468,279	37,128	LB
2860	416668,774	4585457,062	37,242	LB
2861	416657,538	4585446,289	37,332	LB
2862	416646,389	4585436,529	37,461	LB
2863	416634,738	4585427,218	37,408	LB
2864	416622,635	4585418,211	37,175	LB
2865	416609,879	4585409,259	36,764	LB
2866	416597,703	4585401,015	36,356	LB
2867	416584,758	4585392,809	36,149	LB
2868	416570,579	4585384,693	36,073	LB
2869	416570,687	4585384,529	36,069	LB
2870	416584,027	4585391,347	36,100	LB
2871	416597,839	4585398,627	36,441	LB
2872	416597,861	4585398,603	36,427	LB
2873	416611,892	4585406,260	36,944	LB
2874	416624,664	4585413,636	37,653	LB
2875	416637,997	4585421,855	38,479	LB
2876	416651,543	4585430,869	39,339	LB
2877	416664,378	4585439,945	40,159	LB
2878	416677,810	4585450,110	41,052	LB
2879	416691,034	4585460,669	41,911	LB
2880	416702,332	4585470,052	42,467	LB
2881	416715,219	4585480,971	42,792	LB
2882	416726,696	4585490,711	42,849	LB
2883	416740,830	4585502,257	42,630	LB

Punto	X	Y	Z	Código
2884	416745,795	4585497,172	42,389	LB
2885	416733,473	4585487,217	42,741	LB
2886	416721,284	4585476,871	42,945	LB
2887	416709,375	4585466,761	42,731	LB
2888	416697,669	4585457,042	42,269	LB
2889	416685,504	4585447,213	41,555	LB
2890	416673,806	4585438,191	40,856	LB
2891	416661,784	4585429,441	40,156	LB
2892	416649,329	4585420,880	39,398	LB
2893	416635,791	4585412,220	38,524	LB
2894	416622,102	4585404,052	37,620	LB
2895	416608,007	4585396,092	36,888	LB
2896	416593,396	4585388,311	36,330	LB
2897	416578,621	4585380,697	36,162	LB
2898	416565,292	4585373,913	36,236	LB
2899	416550,776	4585366,608	36,410	LB
2900	416536,646	4585359,528	36,631	LB
2901	416522,807	4585352,608	36,972	LB
2902	416505,269	4585343,805	37,468	LB
2903	416487,286	4585334,828	38,096	LB
2904	416469,362	4585325,844	38,830	LB
2905	416456,100	4585319,200	39,387	LB
2906	416530,737	4585348,907	36,811	LB
2907	416545,329	4585354,966	36,461	LB
2908	416561,437	4585360,544	36,083	LB
2909	416576,171	4585364,484	35,723	LB
2910	416590,913	4585367,136	35,372	LB
2911	416606,279	4585368,722	35,096	LB
2912	416622,697	4585369,135	35,063	LB
2913	416639,161	4585368,200	35,256	LB
2914	416654,956	4585366,045	35,729	LB
2915	416670,368	4585362,715	36,415	LB
2916	416685,148	4585358,319	37,261	LB
2917	416700,541	4585352,398	38,294	LB
2918	416714,822	4585345,544	39,231	LB
2919	416728,272	4585337,949	40,135	LB
2920	416728,286	4585337,940	40,136	LB
2921	416743,596	4585328,067	41,186	LB
2922	416756,451	4585319,240	41,864	LB
2923	416772,363	4585308,203	42,376	LB
2924	416784,399	4585300,803	42,511	LB
2925	416797,785	4585294,498	42,413	LB

Punto	X	Y	Z	Código
2926	416812,606	4585290,579	42,192	LB
2927	416821,467	4585289,814	42,063	LB
2928	416821,367	4585285,766	42,341	LB
2929	416806,653	4585287,515	42,593	LB
2930	416806,678	4585287,507	42,596	LB
2931	416792,888	4585291,957	42,696	LB
2932	416777,505	4585299,976	42,610	LB
2933	416767,630	4585306,416	42,395	LB
2934	416755,745	4585314,721	41,920	LB
2935	416743,792	4585323,017	41,275	LB
2936	416731,041	4585331,389	40,386	LB
2937	416718,604	4585338,862	39,510	LB
2938	416704,796	4585345,974	38,532	LB
2939	416690,372	4585352,098	37,546	LB
2940	416676,337	4585356,836	36,650	LB
2941	416661,192	4585360,686	35,839	LB
2942	416646,295	4585363,269	35,260	LB
2943	416630,880	4585364,731	34,902	LB
2944	416614,139	4585364,985	34,833	LB
2945	416597,223	4585363,849	35,015	LB
2946	416581,192	4585361,369	35,383	LB
2947	416564,541	4585357,327	35,804	LB
2948	416549,592	4585352,491	36,227	LB
2949	416534,847	4585346,623	36,665	LB
2950	416521,069	4585340,372	37,008	LB
2951	416508,023	4585334,078	37,385	LB
2952	416490,630	4585325,407	38,006	LB
2953	416473,167	4585316,703	38,696	LB
2954	416459,465	4585309,775	39,265	LB
2955	416452,387	4585329,222	39,114	LB
2956	416470,598	4585338,336	38,392	LB
2957	416487,601	4585346,845	37,725	LB
2958	416505,704	4585355,945	37,086	LB
2959	416520,205	4585363,196	36,689	LB
2960	416520,079	4585363,463	36,673	LB
2961	416534,959	4585370,576	36,360	LB
2962	416534,778	4585370,851	36,372	LB
2963	416547,539	4585377,596	36,177	LB
2964	416560,425	4585385,050	35,991	LB
2965	416573,229	4585393,029	35,897	LB
2966	416585,637	4585401,262	35,959	LB
2967	416599,230	4585410,494	36,190	LB

Punto	X	Y	Z	Código
2968	416611,809	4585419,225	36,582	LB
2969	416624,117	4585428,002	36,906	LB
2970	416635,776	4585436,953	37,055	LB
2971	416647,323	4585446,717	37,002	LB
2972	416658,316	4585457,515	36,902	LB
2973	416667,856	4585469,743	36,709	LB
2974	416675,150	4585483,191	36,401	LB
2975	416680,465	4585497,570	35,837	LB
2976	416683,902	4585512,180	34,972	LB
2977	416685,793	4585526,767	33,897	LB
2978	416687,043	4585541,432	32,808	LB
2979	416688,210	4585557,119	31,645	LB
2980	416689,542	4585576,386	30,199	LB
2981	416690,360	4585595,477	28,950	LB
2982	416690,373	4585610,400	28,270	LB
2983	416690,016	4585625,816	27,855	LB
2984	416689,535	4585640,980	27,745	LB
2985	416688,969	4585655,436	27,949	LB
2986	416688,460	4585670,283	28,272	LB
2987	416687,457	4585688,809	28,667	LB
2988	417322,837	4585265,881	29,216	LB
2990	417321,301	4585280,309	29,341	LB
2991	417319,160	4585295,866	29,454	LB
2992	417316,228	4585311,826	29,601	LB
2993	417312,818	4585327,045	29,700	LB
2994	417308,849	4585341,752	29,755	LB
2995	417304,114	4585356,634	29,779	LB
2996	417299,245	4585370,719	29,773	LB
2997	417293,650	4585386,176	29,786	LB
2998	417288,291	4585400,788	29,869	LB
2999	417282,398	4585416,912	29,954	LB
3000	417277,011	4585431,288	30,020	LB
3001	417271,077	4585446,656	30,036	LB
3002	417265,241	4585461,344	30,123	LB
3003	417265,235	4585461,366	30,160	LB
3004	417257,559	4585480,408	30,218	LB
3005	417249,921	4585499,251	30,258	LB
3006	417241,962	4585518,532	30,396	LB
3007	417233,922	4585537,963	30,529	LB
3008	417226,148	4585556,709	30,592	LB
3009	417218,043	4585576,351	30,715	LB
3010	417210,104	4585595,485	30,776	LB

Punto	X	Y	Z	Código	Punto	X	Y	Z	Código	Punto	X	Y	Z	Código	Punto	X	Y	Z	Código
3011	417202,507	4585614,071	30,925	LB	3053	417031,973	4585000,872	27,725	LB	3096	416718,794	4585963,814	35,368	LB	3138	416588,888	4586346,065	33,051	LB
3012	417195,310	4585631,601	31,014	LB	3054	417041,950	4584982,713	27,554	LB	3097	416713,646	4585978,490	34,546	LB	3139	416582,982	4586365,370	33,236	LB
3013	417188,119	4585649,405	31,087	LB	3055	417051,641	4584964,832	27,402	LB	3098	416707,956	4585993,886	33,684	LB	3140	416576,998	4586384,482	33,452	LB
3014	417174,953	4585658,710	31,209	LB	3056	417058,591	4584951,721	27,296	LB	3099	416702,430	4586008,218	32,946	LB	3141	416570,754	4586403,256	33,634	LB
3015	417180,987	4585645,931	31,142	LB	3057	417062,998	4584943,110	27,237	LB	3100	416696,815	4586022,144	32,371	LB	3142	416564,533	4586421,302	33,807	LB
3016	417187,297	4585631,884	30,997	LB	3058	417063,627	4584943,296	27,290	LB	3101	416691,018	4586035,717	31,962	LB	3143	416557,764	4586440,063	33,991	LB
3017	417193,382	4585617,676	30,957	LB	3059	417072,172	4584923,988	27,068	LB	3102	416684,672	4586050,094	31,617	LB	3144	416551,013	4586457,923	34,157	LB
3018	417201,093	4585599,052	30,788	LB	3060	417072,437	4584924,080	27,128	LB	3103	416678,608	4586063,673	31,489	LB	3145	416543,592	4586476,951	34,314	LB
3019	417208,484	4585580,995	30,721	LB	3061	417080,936	4584905,375	26,965	LB	3104	416672,123	4586078,626	31,497	LB	3146	416536,239	4586494,940	34,401	LB
3020	417215,938	4585562,921	30,611	LB	3062	417089,384	4584885,846	26,803	LB	3105	416666,104	4586093,050	31,547	LB	3147	416528,417	4586512,963	34,435	LB
3021	417223,588	4585544,477	30,508	LB	3063	417097,538	4584866,354	26,663	LB	3106	416660,646	4586106,824	31,600	LB	3148	416519,892	4586531,904	34,473	LB
3022	417231,069	4585526,327	30,341	LB	3064	417105,769	4584846,226	26,505	LB	3107	416655,491	4586120,351	31,673	LB	3149	416512,006	4586548,865	34,484	LB
3023	417238,334	4585508,734	30,298	LB	3065	417113,116	4584827,746	26,348	LB	3108	416669,731	4586094,819	31,559	LB	3150	416511,696	4586548,708	34,469	LB
3024	417246,017	4585490,225	30,197	LB	3066	417120,502	4584808,694	26,223	LB	3109	416675,443	4586081,164	31,401	LB	3151	416505,334	4586562,819	34,511	LB
3025	417253,317	4585472,245	30,120	LB	3067	417127,755	4584789,875	26,119	LB	3110	416681,942	4586066,180	31,424	LB	3152	416505,018	4586562,634	34,495	LB
3026	417261,013	4585453,013	30,125	LB	3068	417134,848	4584770,887	25,982	LB	3111	416688,450	4586051,504	31,675	LB	3153	416496,101	4586580,525	34,526	LB
3027	417268,174	4585434,560	30,053	LB	3069	417142,250	4584751,021	25,867	LB	3112	416694,819	4586037,107	32,034	LB	3154	416487,194	4586597,547	34,537	LB
3028	417273,726	4585420,043	29,956	LB	3070	417149,389	4584731,401	25,714	LB	3113	416700,822	4586022,920	32,475	LB	3155	416477,581	4586615,023	34,535	LB
3029	417278,928	4585405,925	29,871	LB	3071	417149,450	4584731,377	25,722	LB	3114	416706,865	4586007,997	33,137	LB	3156	416466,999	4586633,432	34,515	LB
3030	417283,907	4585392,207	29,818	LB	3072	417157,074	4584710,756	25,511	LB	3115	416712,625	4585992,999	33,925	LB	3157	416456,643	4586650,518	34,468	LB
3031	417289,154	4585377,830	29,729	LB	3073	417164,339	4584691,135	25,433	LB	3116	416717,970	4585978,426	34,726	LB	3158	416445,877	4586667,628	34,434	LB
3032	417294,276	4585363,596	29,628	LB	3074	417171,677	4584671,462	25,305	LB	3117	416723,067	4585963,875	35,517	LB	3159	416434,444	4586684,927	34,365	LB
3033	417298,991	4585349,952	29,520	LB	3075	417178,766	4584652,569	25,206	LB	3118	416727,934	4585949,206	36,298	LB	3160	416423,288	4586701,188	34,212	LB
3034	417303,332	4585335,715	29,391	LB	3076	417186,357	4584632,481	25,093	LB	3119	416731,783	4585937,031	36,926	LB	3161	416410,856	4586718,531	34,029	LB
3035	417307,108	4585320,782	29,222	LB	3077	417193,649	4584613,383	24,998	LB	3120	416736,261	4585922,996	37,490	LB	3162	416398,432	4586735,288	33,825	LB
3036	417310,153	4585306,451	29,182	LB	3079	417200,975	4584594,363	24,951	LB	3121	416738,562	4585917,232	37,683	LB	3163	416383,722	4586754,644	33,608	LB
3037	417312,745	4585291,227	29,170	LB	3080	417208,303	4584575,492	24,933	LB	3122	416741,479	4585911,616	37,819	LB	3164	416369,410	4586773,003	33,384	LB
3038	417314,663	4585276,426	29,116	LB	3081	417208,297	4584575,396	24,890	LB	3123	416745,161	4585906,309	37,901	LB	3165	416355,779	4586790,258	33,151	LB
3039	417315,867	4585265,000	29,133	LB	3082	417215,690	4584556,402	24,851	LB	3124	416749,392	4585901,402	37,944	LB	3166	416342,569	4586806,847	32,926	LB
3040	416906,014	4585207,178	30,864	LB	3083	417223,275	4584536,844	24,797	LB	3125	416753,502	4585897,047	37,957	LB	3167	416329,461	4586823,265	32,666	LB
3041	416917,104	4585190,210	30,589	LB	3084	417232,144	4584514,236	24,760	LB	3126	416661,349	4586116,127	31,761	LB					
3042	416928,059	4585173,031	30,225	LB	3085	417251,436	4584465,532	24,717	LB	3127	416654,245	4586135,162	31,830	LB					
3043	416938,719	4585156,145	29,889	LB	3086	417258,643	4584447,193	24,727	LB	3128	416647,520	4586154,121	31,933	LB					
3044	416949,249	4585139,197	29,602	LB	3087	417265,750	4584428,851	24,756	LB	3129	416640,914	4586174,382	32,009	LB					
3045	416959,780	4585122,219	29,308	LB	3088	417273,034	4584409,772	24,796	LB	3130	416635,089	4586193,377	32,145	LB					
3046	416971,016	4585103,892	29,016	LB	3089	417280,089	4584391,087	24,846	LB	3131	416628,850	4586213,865	32,239	LB					
3047	416981,420	4585086,792	28,785	LB	3090	417287,318	4584371,723	24,896	LB	3132	416623,161	4586232,637	32,338	LB					
3048	416991,707	4585069,873	28,557	LB	3091	416733,036	4585910,315	37,855	LB	3133	416617,661	4586250,876	32,463	LB					
3049	417001,999	4585052,775	28,345	LB	3092	416736,459	4585909,025	37,896	LB	3134	416611,903	4586269,895	32,563	LB					
3050	417012,440	4585035,220	28,089	LB	3093	416733,125	4585918,732	37,634	LB	3135	416605,934	4586289,635	32,690	LB					
3051	417022,366	4585018,020	27,871	LB	3094	416728,870	4585932,819	37,000	LB	3136	416600,492	4586307,727	32,769	LB					
3052	417031,965	4585000,861	27,732	LB	3095	416723,576	4585949,532	36,121	LB	3137	416594,581	4586327,243	32,896	LB					

Punto	X	Y	Z	Código	Punto	X	Y	Z	Código	Punto	X	Y	Z	Código	Punto	X	Y	Z	Código
75	416286,375	4585219,444	45,954	base	1041	416114,422	4585156,944	52,122	lb	1083	416671,943	4585765,237	30,122	lb	1125	416727,935	4586011,219	28,335	cam
77	416873,083	4585505,750	34,539	lb	1042	416130,234	4585161,053	51,662	lb	1084	416666,288	4585777,659	30,357	lb	1126	416732,423	4585999,334	29,314	cam
1001	416259,979	4585242,009	43,329	of-600	1043	416146,368	4585165,501	51,154	lb	1085	416658,939	4585788,486	30,648	lb	1127	416673,002	4586166,643	28,182	cam
1002	416261,513	4585238,284	45,520	sum	1044	416162,218	4585170,336	50,707	lb	1086	416650,645	4585797,222	30,912	lb	1128	416669,032	4586176,360	28,376	cam
1003	416275,785	4585240,841	45,615	lb	1045	416177,884	4585175,434	50,214	lb	1087	416639,911	4585805,010	31,090	lb	1129	416664,050	4586186,567	28,315	cam
1004	416257,100	4585231,641	46,143	lb	1046	416193,672	4585181,098	49,680	lb	1088	416640,007	4585805,468	31,112	lb	1130	416659,022	4586197,791	28,335	cam
1005	416239,405	4585223,172	46,636	lb	1047	416209,715	4585187,295	49,118	lb	1089	416632,191	4585808,604	31,227	lb	1131	416655,092	4586208,726	27,976	cam
1006	416222,472	4585215,272	47,102	lb	1048	416225,498	4585194,101	48,439	lb	1090	416632,340	4585808,951	31,253	lb	1132	416651,684	4586219,241	27,784	cam
1007	416203,913	4585206,761	47,683	lb	1049	416242,768	4585202,066	47,711	lb	1091	416626,276	4585810,728	31,267	lb	1133	416648,038	4586231,385	27,748	cam
1008	416186,111	4585198,866	48,350	lb	1050	416257,653	4585209,121	47,118	lb	1092	416626,311	4585811,042	31,282	lb	1134	416643,815	4586243,947	27,683	cam
1009	416172,534	4585193,282	48,856	lb	1051	416271,678	4585215,933	46,503	lb	1093	416614,611	4585813,555	30,908	lb	1135	416640,349	4586255,034	27,631	cam
1010	416158,807	4585188,484	49,398	lb	1052	416285,713	4585222,850	45,898	lb	1094	416601,751	4585814,075	29,914	lb	1136	416632,465	4586252,931	27,483	cam
1011	416158,932	4585188,137	49,408	lb	1053	416273,910	4585212,409	44,710	sum	1095	416590,102	4585812,766	28,869	lb	1137	416635,743	4586241,890	27,532	cam
1012	416142,407	4585183,473	50,054	lb	1054	416564,736	4585817,754	27,829	lb	1096	416580,094	4585810,832	28,304	lb	1138	416639,261	4586229,585	27,637	cam
1013	416142,569	4585183,133	50,058	lb	1055	416574,875	4585819,768	28,227	lb	1097	416565,278	4585808,145	27,814	lb	1139	416641,690	4586219,561	27,808	cam
1014	416127,532	4585178,943	50,636	lb	1056	416586,184	4585822,608	28,823	lb	1098	416676,138	4585735,816	28,460	of400	1140	416644,686	4586209,042	27,893	cam
1015	416112,485	4585175,041	51,174	lb	1057	416597,458	4585825,666	29,768	lb	1099	416714,816	4585590,751	26,342	sum	1141	416649,507	4586197,280	28,078	cam
1016	416115,161	4585168,451	51,511	lb	1058	416607,937	4585828,642	30,887	lb	1100	416737,022	4586001,427	29,279	cam	1142	416653,216	4586187,280	28,154	cam
1017	416130,039	4585172,318	51,041	lb	1059	416617,319	4585831,462	31,878	lb	1101	416733,252	4586010,818	28,349	cam	1143	416656,523	4586176,587	28,349	cam
1018	416146,144	4585176,887	50,475	lb	1060	416619,305	4585824,682	31,842	lb	1102	416729,843	4586021,434	27,833	cam	1144	416659,613	4586166,073	28,186	cam
1019	416161,661	4585181,636	49,924	lb	1061	416608,264	4585821,364	30,658	lb	1103	416727,300	4586031,606	27,617	cam	1145	416660,653	4586162,694	28,024	cam
1020	416176,953	4585186,722	49,383	lb	1062	416596,523	4585817,869	29,523	lb	1104	416725,631	4586043,239	27,619	cam	1146	416660,276	4586160,527	27,724	cam
1021	416191,716	4585192,063	48,867	lb	1063	416607,300	4585818,165	30,486	lb	1105	416724,596	4586052,572	27,549	cam	1147	416658,509	4586158,762	27,630	cam
1022	416206,849	4585197,921	48,380	lb	1064	416618,054	4585817,068	31,162	lb	1106	416722,364	4586062,893	27,492	cam	1148	416665,095	4586170,501	28,350	cam
1023	416221,977	4585204,054	47,861	lb	1065	416629,122	4585814,331	31,440	lb	1107	416719,071	4586074,359	27,489	cam	1149	416663,256	4586169,934	28,397	cam
1024	416236,458	4585210,279	47,398	lb	1066	416639,997	4585809,910	31,333	lb	1108	416715,289	4586073,241	27,634	cam	1150	416663,727	4586168,104	28,325	cam
1025	416251,486	4585217,199	46,835	lb	1067	416651,083	4585803,219	31,109	lb	1109	416715,296	4586073,242	27,624	cam	1151	416665,529	4586168,362	28,321	cam
1026	416266,127	4585224,270	46,333	lb	1068	416659,386	4585796,397	31,021	lb	1110	416718,169	4586063,752	27,594	cam	1152	416664,475	4586169,279	28,744	pozsan
1027	416280,938	4585231,555	45,787	lb	1069	416655,140	4585797,011	30,952	pozsan	1111	416720,004	4586054,070	27,608	cam	1153	416600,228	4586150,180	28,191	cam
1028	416282,294	4585228,993	45,823	lb	1070	416664,974	4585790,546	30,851	lb	1112	416720,586	4586049,680	27,673	cam	1154	416595,510	4586153,029	28,774	cam
1029	416268,836	4585223,333	46,217	sum	1071	416672,254	4585780,474	30,675	lb	1113	416719,649	4586046,768	27,701	cam	1155	416591,132	4586153,695	28,938	cam
1030	416269,095	4585222,464	46,301	lb	1072	416678,128	4585769,036	30,467	lb	1114	416716,621	4586044,810	27,711	cam	1156	416584,676	4586152,673	29,000	cam
1031	416253,541	4585214,980	46,876	lb	1073	416682,480	4585757,536	30,316	lb	1115	416713,296	4586045,827	27,750	cam	1157	416573,942	4586150,412	29,020	cam
1032	416237,701	4585207,470	47,466	lb	1074	416686,049	4585745,620	30,091	lb	1116	416709,701	4586051,166	27,811	cam	1158	416561,790	4586147,938	29,133	cam
1033	416221,181	4585199,873	48,051	lb	1075	416688,828	4585734,297	29,887	lb	1117	416704,303	4586060,280	27,868	cam	1159	416550,917	4586145,668	29,188	cam
1034	416205,341	4585193,152	48,670	lb	1076	416690,958	4585723,475	29,682	lb	1118	416699,440	4586069,827	27,929	cam	1160	416540,221	4586143,454	29,176	cam
1035	416187,970	4585186,496	49,254	lb	1077	416692,945	4585709,969	29,453	lb	1119	416694,245	4586068,055	27,975	cam	1161	416535,927	4586142,591	29,182	cam
1036	416171,252	4585180,649	49,828	lb	1078	416685,741	4585707,888	29,085	lb	1120	416699,598	4586059,060	27,992	cam	1162	416534,958	4586142,928	29,107	cam
1037	416156,222	4585175,834	50,360	lb	1079	416684,298	4585718,240	29,247	lb	1121	416705,309	4586049,920	27,914	cam	1163	416534,688	4586144,657	28,788	cam
1038	416139,270	4585170,772	50,910	lb	1080	416682,182	4585729,599	29,465	lb	1122	416711,260	4586040,321	27,764	cam	1164	416534,326	4586148,280	28,489	cam
1039	416125,564	4585167,012	51,397	lb	1081	416679,287	4585741,931	29,683	lb	1123	416717,374	4586031,177	27,831	cam	1165	416531,181	4586147,434	28,577	cam
1040	416112,280	4585163,664	51,783	lb	1082	416675,879	4585753,781	29,894	lb	1124	416723,215	4586021,546	27,950	cam	1166	416530,556	4586144,821	28,814	cam

Punto	X	Y	Z	Código	Punto	X	Y	Z	Código	Punto	X	Y	Z	Código	Punto	X	Y	Z	Código
1167	416528,377	4586141,541	29,138	cam	1209	416674,867	4585568,567	25.946	cam	1251	416895,174	4585230,118	31,257	lb	1293	416798,390	4585625,777	34,440	lb
1168	416526,013	4586140,545	29,288	cam	1210	416675,599	4585578,508	25.942	cam	1252	416897,398	4585229,493	31,192	lb	1294	416800,423	4585614,945	34,396	lb
1169	416517,882	4586138,581	29,332	cam	1211	416677,698	4585590,281	25.996	cam	1253	416887,954	4585245,703	31,449	lb	1295	416802,561	4585603,897	34,015	lb
1170	416513,355	4586137,930	29,354	cam	1212	416679,099	4585601,215	26.145	cam	1254	416879,120	4585261,311	31,663	lb	1296	416804,627	4585593,242	33,363	lb
1171	416511,459	4586138,224	29,301	cam	1213	416679,388	4585611,169	26.019	cam	1255	416869,609	4585278,600	31,822	lb	1297	416806,728	4585582,480	32,591	lb
1172	416508,638	4586140,009	29,395	cam	1214	416679,360	4585620,160	26.035	cam	1256	416864,227	4585288,696	31,886	lb	1298	416808,827	4585571,940	31,833	lb
1173	416507,863	4586135,743	29,466	cam	1215	416678,978	4585630,191	25.751	cam	1257	416854,183	4585308,642	31,967	lb	1299	416810,838	4585561,777	31,067	lb
1174	416511,619	4586134,736	29,341	cam	1216	416678,478	4585639,915	25.722	cam	1258	416853,713	4585308,291	31,997	lb	1300	416813,009	4585550,911	30,311	lb
1175	416515,519	4586134,732	29,313	cam	1217	416678,498	4585652,504	25.678	cam	1259	416846,610	4585321,178	32,117	lb	1301	416812,977	4585550,908	30,301	lb
1176	416521,832	4586135,611	29,277	cam	1218	416678,432	4585663,148	25.698	cam	1260	416839,095	4585334,884	32,231	lb	1302	416815,132	4585540,701	29,727	lb
1177	416530,739	4586137,356	29,260	cam	1219	416678,001	4585673,942	25.474	cam	1261	416832,022	4585348,777	32,339	lb	1303	416816,707	4585533,659	29,495	lb
1178	416540,034	4586139,428	29,212	cam	1220	416677,254	4585686,720	25.442	cam	1262	416825,684	4585362,789	32,370	lb	1304	416820,656	4585534,697	29,366	lb
1179	416550,564	4586141,998	29,236	cam	1221	416674,528	4585685,371	25.939	cam	1263	416818,854	4585379,319	32,384	lb	1305	416818,453	4585544,714	29,722	lb
1180	416561,537	4586144,254	29,200	cam	1222	416674,543	4585685,341	25.854	cam	1264	416812,519	4585395,248	32,390	lb	1306	416816,176	4585555,671	30,410	lb
1181	416567,054	4586145,310	29,163	cam	1223	416674,931	4585676,538	25.845	cam	1265	416806,572	4585410,834	32,430	lb	1307	416814,096	4585566,055	31,187	lb
1182	416569,716	4586145,182	29,064	cam	1224	416675,416	4585663,917	25.781	cam	1266	416801,113	4585425,265	32,457	lb	1308	416811,983	4585576,742	31,956	lb
1183	416571,649	4586144,157	28,836	cam	1225	416675,555	4585654,133	25.741	cam	1267	416795,143	4585441,177	32,480	lb	1309	416809,823	4585587,652	32,749	lb
1184	416573,083	4586141,941	28,624	cam	1226	416675,926	4585640,571	25.792	cam	1268	416789,301	4585455,973	32,514	lb	1310	416807,552	4585599,162	33,545	lb
1185	416575,700	4586134,713	28,307	cam	1227	416675,939	4585640,566	25.907	cam	1269	416914,992	4585398,485	31,086	lb	1311	416805,310	4585610,789	34,116	lb
1186	416578,869	4586124,049	28,102	cam	1228	416676,321	4585628,294	25.957	cam	1270	416912,942	4585398,111	31,015	lb	1312	416803,393	4585620,746	34,319	lb
1187	416580,751	4586114,196	28,049	cam	1229	416676,354	4585618,143	25.963	cam	1271	416909,643	4585412,654	31,161	lb	1313	416801,335	4585631,475	34,151	lb
1188	416582,506	4586103,677	27,954	cam	1230	416676,352	4585618,140	25.931	cam	1272	416905,276	4585427,257	31,326	lb	1314	416799,287	4585642,567	33,646	lb
1189	416584,205	4586093,248	27,933	cam	1231	416676,412	4585610,099	25.934	cam	1273	416900,252	4585441,433	31,592	lb	1315	416797,174	4585654,074	33,112	lb
1190	416586,479	4586093,269	27,918	cam	1232	416676,411	4585610,096	25.914	cam	1274	416893,944	4585456,860	32,034	lb	1316	416795,491	4585663,340	32,793	lb
1191	416584,777	4586103,705	27,972	cam	1233	416675,999	4585599,062	25.998	cam	1275	416887,403	4585470,892	32,619	lb	1317	416808,966	4585624,828	34,428	lb
1192	416582,969	4586114,122	28,015	cam	1234	416671,766	4585599,404	25.961	cam	1276	416880,863	4585483,565	33,198	lb	1318	416813,844	4585611,933	35,060	lb
1193	416581,220	4586123,513	28,099	cam	1235	416672,704	4585591,482	26.143	cam	1277	416875,694	4585492,890	33,784	lb	1319	416817,931	4585601,459	35,468	lb
1194	416578,705	4586133,385	28,216	cam	1236	416672,483	4585580,736	26.358	cam	1278	416870,354	4585502,568	34,465	lb	1320	416823,181	4585588,718	35,856	lb
1195	416575,977	4586141,714	28,509	cam	1237	416671,387	4585569,511	26.250	cam	1279	416864,736	4585512,899	34,962	lb	1321	416827,816	4585577,986	36,085	lb
1196	416575,154	4586143,903	28,705	cam	1238	416669,636	4585558,900	26.411	cam	1280	416859,436	4585522,730	35,366	lb	1322	416832,475	4585567,655	36,201	lb
1197	416575,319	4586145,869	28,943	cam	1239	416667,822	4585548,096	26.465	cam	1281	416853,076	4585534,915	35,697	lb	1323	416837,263	4585557,517	36,209	lb
1198	416577,842	4586146,746	28,954	cam	1240	416665,911	4585538,057	26.497	cam	1282	416847,555	4585545,767	35,911	lb	1324	416842,387	4585547,044	36,165	lb
1199	416584,997	4586148,472	28,921	cam	1241	416663,407	4585527,548	26.395	cam	1283	416841,657	4585557,684	35,993	lb	1325	416847,576	4585536,826	35,950	lb
1200	416591,324	4586148,774	28,670	cam	1242	416660,617	4585517,431	26.288	cam	1284	416836,231	4585569,120	35,966	lb	1326	416852,759	4585526,767	35,699	lb
1201	416595,293	4586148,209	28,312	cam	1243	416793,229	4585356,995	24,779	muro	1285	416831,722	4585579,077	35,861	lb	1327	416858,230	4585516,459	35,300	lb
1202	416599,281	4586146,040	27,831	cam	1244	416792,139	4585354,549	24,683	muro	1286	416826,807	4585590,409	35,629	lb	1328	416864,496	4585504,864	34,743	lb
1203	416601,838	4586142,234	27,325	cam	1245	416794,107	4585352,947	24,665	muro	1287	416822,145	4585601,655	35,277	lb	1329	416870,099	4585494,763	34,043	lb
1204	416660,407	4585501,664	26.465	cam	1246	416796,333	4585354,459	24,803	muro	1288	416817,988	4585612,168	34,877	lb	1330	416875,326	4585485,354	33,352	lb
1205	416664,291	4585517,918	26.497	cam	1247	416793,215	4585353,629	26,942	muro	1289	416813,702	4585623,575	34,329	lb	1331	416874,556	4585485,784	33,419	lb
1206	416666,786	4585528,922	26.395	cam	1248	416740,615	4585289,343	23,834	of-1800	1290	416792,512	4585657,479	33,171	lb	1332	416867,156	4585495,033	34,098	lb
1207	416669,907	4585541,801	26.288	cam	1249	416879,707	4585251,411	31,712	lb	1291	416794,491	4585646,716	33,646	lb	1333	416859,148	4585502,699	34,811	lb
1208	416673,416	4585558,707	25.899	cam	1250	416889,192	4585238,513	31,429	lb	1292	416796,500	4585636,015	34,109	lb	1334	416850,391	4585509,344	35,561	lb

Punto	X	Y	Z	Código	Punto	X	Y	Z	Código	Punto	X	Y	Z	Código	Punto	X	Y	Z	Código
1335	416843,016	4585513,747	36,115	lb	1377	417033,997	4584954,968	24,763	cam	7005	416345,127	4585275,573	43,072	lb	7047	416366,753	4585272,528	42,66	lb
1336	416840,073	4585507,335	35,698	lb	1378	417040,990	4584941,842	24,806	cam	7006	416361,677	4585283,841	42,434	lb	7048	416380,952	4585278,368	42,139	lb
1337	416849,827	4585501,112	34,815	lb	1379	417044,527	4584943,420	24,779	cam	7007	416361,681	4585283,846	42,431	lb	7049	416394,842	4585285,303	41,66	lb
1338	416858,596	4585493,599	34,026	lb	1380	417050,947	4584929,183	24,996	cam	7008	416360,739	4585285,879	42,348	lb	7050	416408,270	4585292,024	41,17	lb
1339	416866,837	4585484,086	33,172	lb	1381	417047,757	4584928,110	25,069	cam	7009	416376,077	4585291,069	41,889	lb	7051	416422,951	4585299,391	40,624	lb
1340	416873,812	4585473,597	32,449	lb	1382	417052,646	4584916,774	25,708	cam	7010	416389,458	4585297,764	41,411	lb	7052	416436,772	4585306,317	40,111	lb
1341	416879,502	4585462,927	31,910	lb	1383	417055,838	4584917,224	25,718	cam	7011	416403,973	4585305,012	40,907	lb	7053	416451,556	4585313,746	39,586	lb
1342	416884,986	4585451,040	31,412	lb	1384	417057,982	4584912,395	26,119	cam	7012	416418,920	4585312,491	40,376	lb	7054	416456,845	4585316,372	39,386	lb
1343	416889,818	4585439,380	31,034	lb	1385	417054,386	4584911,550	26,159	cam	7013	416433,420	4585319,739	39,845	lb	7056	416456,530	4585317,330	39,39	lb
1344	416894,319	4585426,812	30,746	lb	1386	417054,959	4584907,003	26,334	cam	7014	416445,865	4585325,964	39,408	lb	7057	416470,966	4585323,407	38,787	lb
1345	416898,262	4585414,324	30,579	lb	1387	417060,222	4584905,704	26,276	cam	7015	416452,179	4585329,147	39,126	lb	7058	416486,732	4585331,305	38,198	lb
1346	416901,318	4585403,090	30,533	lb	1388	417059,130	4584901,463	26,390	cam	7016	416451,378	4585331,216	39,083	lb	7059	416460,626	4585306,135	39,2	lb
1347	416904,215	4585390,710	30,524	lb	1389	417053,665	4584897,866	26,462	cam	7017	416465,582	4585335,866	38,576	lb	7060	416459,307	4585309,712	39,281	lb
1348	417091,932	4584949,115	28,498	lb	1390	417051,398	4584902,297	26,501	cam	7018	416479,388	4585342,746	38,031	lb	7062	416371,760	4585261,597	42,491	lb
1349	417101,146	4584929,277	28,316	lb	1391	417042,676	4584897,333	26,249	cam	7019	416484,109	4585333,219	38,239	lb	7063	416370,197	4585265,071	42,542	lb
1350	417110,271	4584909,036	28,130	lb	1392	417043,646	4584893,938	26,303	cam	7020	416470,083	4585326,175	38,799	lb	7064	416287,574	4585219,482	45,929	lb
1351	417118,847	4584889,313	27,875	lb	1393	417030,121	4584889,930	26,428	cam	7021	416455,897	4585319,085	39,375	lb	7065	416285,695	4585222,855	45,879	lb
1352	417128,018	4584867,208	27,619	lb	1394	417029,334	4584893,007	26,395	cam	7022	416456,225	4585318,193	39,388	lb	7066	416797,951	4585257,002	25,914	cam
1353	417136,253	4584846,566	27,377	lb	1395	417017,453	4584889,806	26,344	cam	7023	416449,879	4585316,113	39,606	lb	7067	416787,657	4585258,780	26,022	cam
1354	417143,964	4584826,361	27,099	lb	1396	417017,342	4584886,042	26,323	cam	7024	416438,151	4585310,252	40,034	lb	7068	416777,274	4585261,364	26,005	cam
1355	417151,201	4584806,032	26,880	lb	1397	417006,640	4584883,975	26,197	cam	7025	416424,197	4585303,265	40,542	lb	7069	416766,112	4585266,013	26,117	cam
1356	417157,855	4584786,143	26,720	lb	1398	417006,217	4584888,401	26,330	cam	7026	416410,315	4585296,311	41,074	lb	7070	416755,461	4585272,282	26,112	cam
1357	417165,067	4584764,490	26,375	lb	1399	416993,418	4584891,895	26,249	cam	7027	416395,772	4585289,027	41,616	lb	7071	416746,119	4585278,258	26,106	cam
1358	417172,437	4584742,469	26,067	lb	1400	416991,660	4584888,312	26,282	cam	7028	416381,024	4585281,672	42,144	lb	7072	416735,579	4585285,365	26,166	cam
1359	417179,644	4584721,697	25,761	lb	74	416528,746	4585341,523	36,789	base	7029	416366,045	4585274,141	42,663	lb	7073	416726,099	4585292,728	26,198	cam
1360	417186,860	4584700,954	25,545	lb	75	416286,344	4585219,458	45,974	lb	7030	416366,502	4585273,213	42,718	lb	7074	416716,735	4585299,294	26,347	cam
1361	417194,578	4584680,359	25,332	lb	1784	416271,418	4585215,816	46,504	lb	7031	416350,429	4585266,360	43,243	lb	7075	416706,870	4585305,596	26,456	cam
1362	417202,972	4584657,948	25,193	lb	1807	416285,225	4585222,619	45,907	lb	7032	416335,880	4585259,081	43,731	lb	7076	416696,959	4585312,294	26,469	cam
1363	417210,651	4584637,698	25,110	lb	1811	416303,610	4585231,752	45,045	lb	7033	416322,417	4585252,340	44,208	lb	7077	416687,835	4585316,863	26,456	cam
1364	417218,574	4584616,973	25,030	lb	1814	416319,581	4585239,744	44,407	lb	7034	416307,711	4585244,978	44,748	lb	7078	416680,461	4585319,505	26,601	cam
1365	417226,483	4584596,394	24,967	lb	1815	416337,951	4585248,974	43,736	lb	7035	416292,670	4585237,443	45,314	lb	7079	416682,767	4585314,964	26,518	cam
1366	417235,362	4584573,506	24,927	lb	1820	416356,909	4585258,454	43,029	lb	7036	416280,914	4585231,573	45,739	lb	7080	416688,682	4585311,435	26,514	cam
1367	417243,424	4584553,063	24,876	lb	1825	416377,064	4585268,542	42,32	lb	7037	416281,429	4585230,641	45,762	lb	7081	416694,255	4585307,020	26,522	cam
1368	417251,553	4584532,348	24,882	lb	1826	416394,685	4585277,366	41,635	lb	7038	416281,759	4585229,983	45,758	lb	7082	416704,848	4585300,222	26,315	cam
1369	417014,562	4584997,197	24,901	cam	1831	416413,245	4585286,649	40,964	lb	7039	416281,762	4585229,982	45,744	lb	7083	416715,269	4585293,939	26,257	cam
1370	417017,478	4584998,337	24,780	cam	1832	416430,849	4585295,495	40,319	lb	7040	416282,296	4585229,041	45,769	lb	7084	416724,329	4585286,179	26,209	cam
1371	417017,493	4584998,338	24,797	cam	1837	416448,629	4585304,363	39,676	lb	7041	416295,900	4585235,803	45,282	lb	7085	416734,113	4585278,438	26,146	cam
1372	417024,644	4584985,061	24,769	cam	7000	416270,352	4585238,189	45,726	lb	7042	416310,545	4585243,131	44,711	lb	7086	416744,592	4585271,650	26,059	cam
1373	417021,086	4584983,168	24,888	cam	7001	416284,221	4585245,110	45,273	lb	7043	416325,001	4585250,354	44,163	lb	7087	416754,184	4585264,939	25,953	cam
1374	417027,316	4584969,602	24,822	cam	7002	416298,969	4585252,455	44,767	lb	7044	416338,831	4585257,278	43,687	lb	7088	416765,426	4585259,794	25,902	cam
1375	417031,732	4584970,841	24,730	cam	7003	416314,263	4585260,114	44,192	lb	7045	416352,028	4585263,879	43,229	lb	7089	416776,404	4585256,086	25,901	cam
1376	417038,396	4584957,085	24,855	cam	7004	416329,819	4585267,897	43,618	lb	7046	416367,232	4585271,495	42,660	lb	7090	416787,285	4585253,758	25,824	cam

Punto	X	Y	Z	Código	Punto	X	Y	Z	Código	Punto	X	Y	Z	Código	Punto	X	Y	Z	Código
7091	416853,958	4585184,560	25,984	cam	1525	417029,571	4585816,880	25,773	cam	1567	417065,390	4585881,796	27,848	cam	1609	417157,663	4585730,857	32,051	lb
7092	416858,084	4585179,117	25,887	cam	1526	417026,389	4585826,322	25,589	cam	1568	417069,349	4585873,883	27,871	cam	1610	417152,068	4585746,898	32,394	lb
7093	416861,358	4585171,563	25,795	cam	1527	417018,508	4585824,781	25,321	cam	1569	417072,480	4585865,674	27,785	cam	1611	417147,291	4585760,765	32,785	lb
7094	416866,040	4585162,185	25,689	cam	1528	417015,459	4585835,552	25,139	cam	1570	417075,333	4585856,168	27,726	cam	1612	417150,316	4585762,181	32,850	lb
7095	416863,277	4585160,637	25,732	cam	1529	417022,103	4585837,480	25,385	cam	1571	417077,745	4585847,063	27,502	cam	1613	417156,533	4585745,985	32,446	lb
7096	416848,966	4585154,656	25,748	cam	1530	417029,131	4585823,634	25,710	cam	1572	417079,124	4585838,034	27,207	cam	1614	417162,110	4585731,384	32,145	lb
7097	416847,539	4585146,758	25,758	cam	1531	417033,381	4585820,989	25,579	cam	1573	417079,188	4585830,830	26,871	cam	1615	417168,597	4585714,702	31,837	lb
7098	416874,612	4585156,534	25,692	cam	1532	417037,541	4585816,253	25,532	cam	1574	417077,040	4585821,836	26,285	cam	1616	417175,558	4585696,964	31,524	lb
7099	416874,592	4585156,559	25,681	cam	1533	417041,107	4585809,183	25,527	cam	1575	417075,343	4585815,229	26,047	cam	1617	417181,945	4585680,695	31,331	lb
7100	416870,460	4585164,722	25,717	cam	1534	417044,134	4585804,558	25,447	cam	1576	417074,416	4585809,229	25,869	cam	1618	417188,342	4585664,817	31,129	lb
7101	416866,726	4585172,358	25,806	cam	1535	417048,169	4585801,901	25,543	cam	1577	417075,119	4585803,481	25,914	cam	1619	417194,238	4585650,047	30,953	lb
7102	416862,930	4585179,716	25,889	cam	1536	417053,186	4585801,423	25,557	cam	1578	417076,913	4585797,979	25,898	cam	1620	417200,516	4585634,433	30,769	lb
7103	416857,129	4585187,267	26,013	cam	1537	417061,011	4585803,191	25,693	cam	1579	417081,205	4585790,747	25,875	cam	1621	417207,192	4585617,861	30,631	lb
7104	416847,950	4585197,229	26,17	cam	1538	417066,008	4585806,832	25,756	cam	1580	417072,375	4585786,079	25,735	cam	1622	417213,650	4585602,014	30,514	lb
7105	416844,191	4585194,011	26,154	cam	1539	417070,170	4585811,904	25,887	cam	1581	417068,595	4585794,281	25,751	cam	1623	417220,204	4585585,928	30,445	lb
62	418411,625	4583091,179	21,090	lb	1540	417072,824	4585817,601	26,063	cam	1582	417067,462	4585796,671	25,725	cam	1624	417227,390	4585568,433	30,371	lb
70	417687,532	4584675,220	28,511	lb	1541	417075,895	4585827,191	26,478	cam	1583	417064,788	4585798,138	25,703	cam	1625	417234,041	4585552,408	30,415	lb
1500	417068,895	4585672,478	24,701	cam	1542	417076,748	4585834,632	27,019	cam	1584	417062,484	4585798,459	25,647	cam	1626	417241,224	4585534,903	30,432	lb
1501	417074,704	4585675,379	24,710	cam	1543	417075,772	4585844,012	27,377	cam	1585	417058,680	4585797,252	25,675	cam	1627	417247,895	4585518,725	30,483	lb
1502	417070,410	4585687,896	24,730	cam	1544	417073,345	4585853,578	27,642	cam	1586	417048,997	4585793,766	25,579	cam	1628	417254,644	4585502,428	30,529	lb
1503	417064,987	4585686,261	24,694	cam	1545	417070,779	4585862,528	27,755	cam	1587	417044,561	4585793,726	25,548	cam	1629	417261,378	4585486,028	30,562	lb
1504	417060,385	4585699,896	24,866	cam	1546	417067,519	4585871,318	27,849	cam	1588	417041,402	4585795,471	25,589	cam	1630	417268,415	4585469,127	30,619	lb
1505	417065,860	4585702,272	24,858	cam	1547	417063,564	4585879,604	27,713	cam	1589	417039,510	4585798,682	25,651	cam	1631	417274,885	4585453,464	30,679	lb
1506	417062,313	4585713,330	24,901	cam	1548	417058,413	4585888,265	27,673	cam	1590	417037,306	4585803,450	25,734	cam	1632	417281,401	4585437,665	30,726	lb
1507	417056,269	4585712,590	24,861	cam	1549	417054,045	4585897,660	27,703	cam	1591	417034,520	4585810,945	25,747	cam	1633	417288,301	4585421,000	30,734	lb
1508	417052,689	4585725,717	25,025	cam	1550	417049,230	4585908,415	27,824	cam	1592	417033,111	4585815,517	25,605	cam	1634	417294,801	4585405,326	30,769	lb
1509	417058,123	4585727,822	25,108	cam	1551	417045,282	4585918,588	27,985	cam	1593	417031,427	4585817,765	25,596	cam	1635	417301,114	4585390,013	30,821	lb
1510	417054,758	4585738,633	25,181	cam	1552	417041,380	4585929,326	28,126	cam	1594	417030,428	4585817,631	25,746	cam	1636	417307,525	4585374,462	30,833	lb
1511	417048,528	4585737,734	25,123	cam	1553	417035,887	4585940,422	28,245	cam	1595	417029,424	4585817,258	25,804	cam	1637	417314,522	4585357,561	30,848	lb
1512	417044,818	4585749,037	25,208	cam	1554	417031,534	4585950,458	28,461	cam	1596	417129,964	4585748,874	31,889	lb	1638	417320,754	4585342,587	30,903	lb
1513	417050,837	4585751,192	25,330	cam	1555	417027,396	4585960,449	28,485	cam	1597	417136,404	4585735,943	31,730	lb	1639	417327,502	4585326,298	30,931	lb
1514	417047,646	4585762,354	25,288	cam	1556	417022,627	4585972,047	28,663	cam	1598	417143,539	4585722,017	31,604	lb	1640	417333,980	4585310,661	30,984	lb
1515	417041,376	4585760,964	25,297	cam	1557	417019,759	4585981,172	28,652	cam	1599	417151,091	4585707,458	31,432	lb	1641	417340,986	4585293,866	31,004	lb
1516	417038,399	4585771,434	25,480	cam	1558	417022,523	4585982,166	28,635	cam	1600	417157,598	4585694,646	31,417	lb	1642	417346,253	4585281,250	31,092	lb
1517	417043,770	4585773,147	25,330	cam	1559	417025,774	4585972,682	28,605	cam	1601	417164,560	4585680,454	31,298	lb	1643	417352,787	4585265,582	31,096	lb
1518	417040,643	4585784,060	25,534	cam	1560	417031,736	4585962,158	28,529	cam	1602	417171,687	4585665,553	31,241	lb	1644	417360,118	4585247,678	31,225	lb
1519	417035,372	4585782,835	25,629	cam	1561	417036,836	4585950,466	28,561	cam	1603	417178,808	4585650,590	31,184	lb	1645	417367,123	4585231,277	31,035	lb
1520	417031,355	4585793,504	25,807	cam	1562	417042,025	4585938,687	28,327	cam	1604	417187,806	4585650,170	31,108	lb	1646	417373,910	4585215,005	31,026	lb
1521	417037,161	4585795,872	25,868	cam	1563	417047,376	4585927,648	28,160	cam	1605	417181,710	4585665,406	31,194	lb	1647	417380,816	4585198,411	31,082	lb
1522	417033,250	4585806,983	25,895	cam	1564	417052,961	4585916,852	28,052	cam	1606	417175,523	4585681,656	31,226	lb	1648	417388,239	4585180,071	31,196	lb
1523	417026,014	4585805,691	25,832	cam	1565	417058,066	4585905,811	27,832	cam	1607	417169,782	4585697,182	31,449	lb	1649	417394,654	4585163,942	31,248	lb
1524	417022,359	4585814,923	25,761	cam	1566	417064,248	4585892,135	27,853	cam	1608	417163,519	4585714,456	31,753	lb	1650	417401,176	4585147,164	31,241	lb

Punto	X	Y	Z	Código	Punto	X	Y	Z	Código	Punto	X	Y	Z	Código	Punto	X	Y	Z	Código
1651	417407,501	4585130,902	31,293	lb	1693	417236,008	4585478,852	25,469	cam	1735	417631,692	4584718,382	23,535	lb	1777	418494,666	4583001,133	21,394	cam
1652	417414,057	4585113,380	31,297	lb	1694	417240,319	4585468,347	25,779	cam	1736	417633,968	4584728,434	23,720	lb	1778	418493,322	4582996,772	21,296	cam
1653	417419,614	4585098,588	31,353	lb	1695	417241,288	4585464,144	26,213	cam	1737	417637,797	4584735,529	23,836	lb	1779	418502,857	4582994,150	20,959	cam
1654	417143,127	4585761,333	32,673	lb	1696	417241,932	4585461,461	26,298	cam	1738	417643,142	4584741,281	24,087	lb	1780	418504,492	4582997,991	21,057	cam
1655	417148,556	4585745,441	32,286	lb	1697	417244,043	4585456,516	26,450	cam	1739	417651,029	4584746,294	24,342	lb	1781	418513,111	4582994,690	20,821	cam
1656	417153,941	4585729,854	31,956	lb	1698	417245,894	4585451,466	26,428	cam	1740	417659,720	4584748,704	24,598	lb	1782	418511,615	4582990,577	20,722	cam
1657	417159,161	4585714,873	31,698	lb	1699	417245,361	4585446,379	26,504	calz	1741	417668,226	4584748,767	24,879	lb	1783	417968,102	4582383,623	19,147	cam
1658	417164,878	4585698,955	31,483	lb	1700	417248,136	4585444,266	26,569	calz	1742	417676,566	4584746,365	25,321	lb	1784	417963,409	4582380,395	19,087	cam
1659	417170,535	4585683,996	31,352	lb	1701	417254,026	4585430,582	26,769	calz	1743	417684,829	4584741,112	25,630	lb	1785	417968,914	4582371,939	19,083	cam
1660	417177,434	4585666,271	31,271	lb	1702	417258,851	4585419,453	26,759	calz	1744	417690,234	4584735,067	25,947	lb	1786	417974,006	4582374,533	19,055	cam
1661	417175,658	4585665,467	31,314	lb	1703	417264,025	4585407,824	26,678	calz	1745	417700,285	4584593,851	27,632	lb	1787	417979,127	4582364,969	19,104	cam
1662	417167,716	4585681,957	31,380	lb	1704	417269,765	4585394,740	26,765	calz	1746	417704,008	4584580,807	27,436	lb	1788	417974,608	4582362,281	19,142	cam
1663	417160,680	4585696,253	31,433	lb	1705	417275,547	4585381,714	26,862	calz	1747	417707,913	4584567,363	27,212	lb	1789	417980,960	4582351,820	19,183	cam
1664	417153,716	4585710,306	31,502	lb	1706	417276,016	4585380,680	26,831	cam	1748	417712,185	4584552,803	26,960	lb	1790	417985,272	4582353,807	19,126	cam
1665	417145,721	4585725,908	31,593	lb	1707	417275,108	4585378,086	26,629	cam	1749	417717,760	4584534,187	26,673	lb	1791	417990,294	4582344,500	19,071	cam
1666	417138,030	4585740,903	31,658	lb	1708	417272,374	4585374,871	26,312	cam	1750	417721,856	4584521,043	26,396	lb	1792	417986,233	4582341,965	19,179	cam
1667	417131,551	4585754,426	31,787	lb	1709	417265,461	4585371,603	25,729	cam	1751	417726,221	4584507,143	26,151	lb	1793	417991,230	4582332,921	19,204	cam
1668	417296,924	4585324,479	25,783	cam	1710	417267,142	4585368,868	25,841	cam	1752	417730,683	4584493,349	25,958	lb	1794	417995,937	4582335,145	19,131	cam
1669	417294,965	4585334,863	26,012	cam	1711	417273,717	4585371,551	26,232	cam	1753	417735,319	4584479,377	25,853	lb	1795	418001,561	4582325,454	19,092	cam
1670	417291,661	4585345,432	26,165	cam	1712	417275,974	4585371,921	26,247	cam	1754	417739,142	4584480,676	25,777	lb	1796	417997,680	4582322,233	19,131	cam
1671	417288,252	4585356,026	26,258	cam	1713	417278,672	4585371,228	26,450	cam	1755	417734,424	4584494,904	25,895	lb	1797	418003,376	4582312,789	19,048	cam
1672	417284,793	4585366,516	26,546	cam	1714	417280,377	4585369,235	26,548	cam	1756	417730,039	4584508,627	26,030	lb	1798	418008,378	4582315,538	19,039	cam
1673	417281,473	4585376,355	26,845	cam	1715	417281,818	4585365,394	26,553	cam	1757	417725,830	4584521,953	26,220	lb	1806	417915,435	4582516,637	19,737	cam
1674	417278,733	4585383,035	27,057	calz	1716	417285,365	4585354,414	26,379	cam	1758	417721,542	4584535,866	26,471	lb	1807	417909,651	4582515,255	19,794	cam
1675	417274,955	4585392,021	26,879	calz	1717	417288,893	4585343,396	26,297	cam	1759	417717,039	4584550,895	26,780	lb	1808	417906,808	4582525,419	19,798	cam
1676	417270,615	4585401,077	26,683	calz	1718	417290,810	4585337,390	26,221	cam	1760	417712,940	4584564,963	27,035	lb	1809	417912,410	4582527,828	19,665	cam
1677	417266,203	4585410,571	26,626	calz	1719	417293,220	4585327,183	25,784	cam	1761	417708,954	4584578,772	27,214	lb	1810	417909,331	4582537,876	19,620	cam
1678	417261,909	4585420,211	26,655	calz	1720	417294,078	4585322,857	25,701	cam	1762	417704,810	4584593,413	27,501	lb	1811	417904,098	4582537,049	19,752	cam
1679	417257,640	4585429,909	26,688	calz	1721	417684,056	4584731,220	25,429	lb	1763	418436,065	4583049,814	21,517	cam	1812	417901,742	4582547,066	19,729	cam
1680	417253,566	4585439,500	26,600	calz	1722	417678,509	4584736,635	25,034	lb	1764	418440,463	4583052,377	21,704	cam	1813	417907,252	4582547,384	19,606	cam
1681	417249,935	4585449,283	26,542	calz	1723	417671,082	4584740,469	24,638	lb	1765	418447,644	4583043,587	21,813	cam	1814	417904,930	4582557,470	19,601	cam
1682	417248,966	4585452,541	26,513	calz	1724	417671,085	4584740,474	24,630	lb	1766	418444,391	4583040,362	21,596	cam	1815	417899,466	4582556,911	19,704	cam
1683	417245,309	4585450,924	26,453	calz	1725	417663,410	4584741,592	24,269	lb	1767	418452,855	4583031,792	21,765	cam	1816	417897,767	4582566,427	19,756	cam
1684	417249,248	4585453,331	26,547	cam	1726	417654,763	4584739,984	23,928	lb	1768	418456,130	4583034,829	21,839	cam	1817	417903,210	4582567,500	19,648	cam
1685	417245,810	4585463,009	26,257	cam	1727	417646,991	4584735,043	23,635	lb	1769	418464,700	4583025,763	22,002	cam	1818	417900,897	4582577,683	19,702	cam
1686	417241,033	4585474,317	25,616	cam	1728	417641,807	4584728,508	23,376	lb	1770	418461,073	4583022,552	21,852	cam	1819	417895,759	4582577,845	19,879	cam
1687	417235,857	4585485,771	25,398	cam	1729	417638,639	4584719,880	23,177	lb	1771	418469,683	4583013,606	22,005	cam	1820	417893,739	4582587,614	19,923	cam
1688	417233,153	4585492,454	25,419	cam	1730	417638,400	4584709,700	23,028	lb	1772	418473,484	4583016,532	22,067	cam	1821	417898,945	4582588,789	19,829	cam
1689	417227,989	4585501,059	25,277	cam	1731	417639,992	4584701,079	22,928	lb	1773	418480,300	4583009,650	21,935	cam	1822	417896,966	4582600,010	19,854	cam
1690	417228,009	4585501,060	25,232	cam	1732	417642,955	4584691,812	22,944	lb	1774	418476,961	4583006,236	22,058	cam	1823	417891,268	4582599,203	20,014	cam
1691	417225,714	4585498,962	24,978	cam	1733	417646,298	4584683,626	22,918	lb	1775	418484,322	4583000,014	21,679	cam	1849	417944,186	4582519,481	29,497	lb
1692	417231,263	4585490,150	25,454	cam	1734	417631,368	4584710,668	23,420	lb	1776	418486,849	4583004,172	21,636	cam	1850	417940,584	4582529,358	29,278	lb

Punto	X	Y	Z	Código	Punto	X	Y	Z	Código	Punto	X	Y	Z	Código	Punto	X	Y	Z	Código
1855	417937,101	4582539,026	28,940	lb	1906	417912,257	4582502,540	19,849	cam	777	418698,058	4583033,532	19,915	cam	21	416785,451	4585522,952	39,970	LB
1856	417933,403	4582549,583	28,467	lb	1907	417913,675	4582491,447	19,852	cam	778	418699,324	4583031,320	19,926	cam	22	416780,047	4585521,866	40,350	LB
1862	417930,224	4582558,956	27,983	lb	1908	417913,431	4582481,153	19,886	cam	779	418691,358	4583026,155	19,955	cam	23	416774,683	4585520,418	40,720	LB
1863	417927,016	4582568,784	27,462	lb	1909	417912,724	4582475,572	20,004	cam	780	418689,796	4583028,152	19,878	cam	24	416769,886	4585518,788	41,050	LB
1864	417923,877	4582580,733	26,806	lb	769	418725,036	4583052,793	19,855	cam	781	418681,419	4583023,087	20,041	cam	25	416764,928	4585516,806	41,370	LB
1865	417921,161	4582592,233	26,177	lb	770	418726,061	4583050,889	19,892	cam	782	418682,686	4583020,792	20,150	cam	26	416759,799	4585514,401	41,690	LB
1866	417917,663	4582605,204	25,481	lb	771	418722,268	4583048,509	19,829	cam	783	418674,234	4583015,562	20,016	cam	27	416755,035	4585511,838	41,910	LB
1867	417914,523	4582616,669	24,883	lb	772	418721,121	4583050,295	19,778	cam	784	418672,557	4583017,717	19,948	cam	28	416750,063	4585508,834	42,170	LB
1868	417911,546	4582628,079	24,374	lb	773	418713,521	4583044,663	19,902	cam	785	418664,129	4583012,090	19,945	cam	29	416745,273	4585505,586	42,390	LB
1869	417908,566	4582639,984	23,929	lb	774	418714,638	4583042,736	19,916	cam	786	418665,221	4583009,783	19,969	cam	30	416741,714	4585502,948	42,540	LB
1870	417905,588	4582652,661	23,539	lb	775	418707,226	4583037,094	19,966	cam	787	418653,739	4583002,152	20,012	cam	31	416742,146	4585503,299	42,560	JD
1871	417902,596	4582665,904	23,203	lb	776	418705,816	4583038,847	19,986	cam	788	418652,226	4583004,354	19,942	cam	32	416741,899	4585503,081	42,560	JD
1872	417899,546	4582679,466	23,021	lb	777	418698,058	4583033,532	19,915	cam	789	418640,751	4582996,602	19,987	cam	33	416740,587	4585504,837	42,620	JD
1873	417896,300	4582693,260	22,976	lb	778	418699,324	4583031,320	19,926	cam	790	418642,119	4582994,254	20,086	cam	34	416740,803	4585505,019	42,590	JD
1874	417892,946	4582706,592	23,078	lb	779	418691,358	4583026,155	19,955	cam	791	418629,573	4582986,113	20,162	cam	35	416737,479	4585499,673	42,610	LB
1875	417896,954	4582707,370	23,136	lb	780	418689,796	4583028,152	19,878	cam	792	418628,291	4582988,423	20,082	cam	36	416732,221	4585495,352	42,740	LB
1876	417900,094	4582694,864	23,067	lb	781	418681,419	4583023,087	20,041	cam	793	418621,992	4582983,895	20,601	cam	37	416726,668	4585490,704	42,840	LB
1877	417902,978	4582682,649	23,065	lb	782	418682,686	4583020,792	20,150	cam	794	418623,003	4582981,568	20,697	cam	38	416731,763	4585485,788	42,800	LB
1878	417906,052	4582668,958	23,179	lb	783	418674,234	4583015,562	20,016	cam	795	418620,584	4582979,675	20,754	cam	39	416735,927	4585489,266	42,690	LB
1879	417909,015	4582655,861	23,388	lb	784	418672,557	4583017,717	19,948	cam	796	418619,134	4582981,841	20,634	cam	40	416740,452	4585492,967	42,550	LB
1880	417912,000	4582642,792	23,784	lb	785	418664,129	4583012,090	19,945	cam	797	418613,688	4582977,972	20,466	cam	41	416745,506	4585496,941	42,410	LB
1881	417915,185	4582630,057	24,252	lb	786	418665,221	4583009,783	19,969	cam	798	418614,900	4582975,475	20,541	cam	42	416746,117	4585497,346	42,380	JD
1882	417918,304	4582618,115	24,790	lb	787	418653,739	4583002,152	20,012	cam	1	416864,507	4585497,763	34,290	LB	43	416746,344	4585497,581	42,350	JD
1883	417921,573	4582606,246	25,413	lb	788	418652,226	4583004,354	19,942	cam	2	416861,012	4585501,062	34,590	LB	44	416746,725	4585497,083	42,330	JD
1884	417925,205	4582594,088	26,066	lb	789	418640,751	4582996,602	19,987	cam	3	416856,843	4585504,605	34,920	LB	45	416746,488	4585496,899	42,330	JD
1885	417925,210	4582594,090	26,065	lb	790	418642,119	4582994,254	20,086	cam	4	416852,302	4585508,035	35,310	LB	46	416750,105	4585500,368	42,150	LB
1886	417929,006	4582582,025	26,724	lb	791	418629,573	4582986,113	20,162	cam	5	416847,670	4585511,113	35,700	LB	47	416753,952	4585502,965	41,870	LB
1887	417933,050	4582569,706	27,401	lb	792	418628,291	4582988,423	20,082	cam	6	416843,182	4585513,650	36,050	LB	48	416758,459	4585505,708	41,590	LB
1888	417937,544	4582556,378	28,108	lb	793	418621,992	4582983,895	20,601	cam	7	416842,916	4585513,920	36,120	JD	49	416761,995	4585507,598	41,390	LB
1889	417941,887	4582543,804	28,694	lb	794	418623,003	4582981,568	20,697	cam	8	416842,650	4585514,072	36,130	JD	50	416765,795	4585509,444	41,130	LB
1890	417946,308	4582531,491	29,149	lb	795	418620,584	4582979,675	20,754	cam	9	416843,528	4585515,828	36,260	JD	51	416770,069	4585511,284	40,790	LB
1891	417950,810	4582519,355	29,511	lb	796	418619,134	4582981,841	20,634	cam	10	416843,800	4585515,679	36,220	JD	52	416774,531	4585512,925	40,440	LB
1892	417955,077	4582508,044	29,784	lb	797	418613,688	4582977,972	20,466	cam	11	416838,495	4585515,891	36,370	LB	53	416779,140	4585514,330	40,090	LB
1893	417956,395	4582503,509	29,824	lb	798	418614,900	4582975,475	20,541	cam	12	416833,813	4585517,927	36,670	LB	54	416783,720	4585515,408	39,780	LB
1894	417959,198	4582507,693	29,873	lb	769	418725,036	4583052,793	19,855	cam	13	416828,961	4585519,690	37,030	LB	55	416788,484	4585516,276	39,460	LB
1895	417962,058	4582511,201	29,931	lb	770	418726,061	4583050,889	19,892	cam	14	416824,153	4585521,151	37,370	LB	56	416793,791	4585516,868	39,100	LB
1900	417919,569	4582472,128	19,929	cam	771	418722,268	4583048,509	19,829	cam	15	416817,802	4585522,577	37,830	LB	57	416798,543	4585517,184	38,760	LB
1901	417920,279	4582482,168	19,842	cam	772	418721,121	4583050,295	19,778	cam	16	416812,910	4585523,406	38,170	LB	58	416802,743	4585517,167	38,460	LB
1902	417920,051	4582492,587	19,879	cam	773	418713,521	4583044,663	19,902	cam	17	416807,632	4585523,994	38,520	LB	59	416807,808	4585516,874	38,110	LB
1903	417917,589	4582502,731	19,800	cam	774	418714,638	4583042,736	19,916	cam	18	416802,082	4585524,253	38,860	LB	60	416813,059	4585516,248	37,700	LB
1904	417915,580	4582514,045	19,795	cam	775	418707,226	4583037,094	19,966	cam	19	416796,772	4585524,172	39,200	LB	61	416818,337	4585515,275	37,290	LB
1905	417910,159	4582513,329	19,813	cam	776	418705,816	4583038,847	19,986	cam	20	416791,117	4585523,737	39,600	LB	62	416823,862	4585513,867	36,920	LB

Punto	X	Y	Z	Código	Punto	X	Y	Z	Código	Punto	X	Y	Z	Código	Punto	X	Y	Z	Código
63	416828,402	4585512,421	36,560	LB	349	417549,073	4584607,519	32,070	LB-SÑH	392	417506,727	4584597,101	32,910	LB	438	417587,957	4584627,648	31,340	LB-SÑH
64	416833,068	4585510,621	36,200	LB	350	417550,350	4584608,025	32,030	LB-SÑH	393	417497,853	4584593,522	33,090	LB	439	417587,676	4584627,367	31,330	LB-SÑH
65	416837,681	4585508,543	35,860	LB	351	417550,883	4584608,227	32,020	LB-SÑH	394	417498,567	4584591,196	33,140	LB	440	417586,790	4584628,049	31,330	LB-SÑH
66	416840,049	4585507,310	35,690	LB	352	417552,358	4584608,726	31,990	LB-SÑH	397	417554,227	4584609,435	32,020	LB-SÑH	441	417586,268	4584627,849	31,360	LB-SÑH
67	416839,569	4585507,585	35,710	JD	353	417552,818	4584608,960	31,990	LB-SÑH	398	417556,113	4584610,115	31,990	LB-SÑH	442	417587,169	4584626,414	31,380	LB-SÑH
68	416839,250	4585507,733	35,710	JD	354	417553,578	4584609,008	31,970	LB	399	417558,052	4584610,849	31,930	LB-SÑH	444	417584,983	4584627,297	31,410	LB-SÑH
69	416838,941	4585507,144	35,680	JD	355	417560,243	4584611,475	31,860	LB	400	417559,945	4584611,563	31,910	LB-SÑH	445	417584,452	4584627,066	31,420	LB-SÑH
70	416839,252	4585506,977	35,650	JD	356	417567,025	4584613,986	31,760	LB	401	417561,934	4584612,280	31,890	LB-SÑH	446	417585,646	4584625,535	31,390	LB-SÑH
71	416844,063	4585504,993	35,310	LB	357	417574,525	4584616,747	31,650	LB	402	417563,829	4584612,979	31,880	LB-SÑH	447	417585,378	4584625,237	31,410	LB-SÑH
72	416848,346	4585502,146	34,930	LB	358	417581,965	4584619,609	31,450	LB	403	417565,715	4584613,666	31,840	LB-SÑH	448	417583,164	4584626,518	31,430	LB-SÑH
73	416852,449	4585499,033	34,580	LB	359	417587,781	4584621,878	31,320	LB	404	417567,629	4584614,361	31,820	LB-SÑH	449	417582,652	4584626,308	31,460	LB-SÑH
74	416856,351	4585495,719	34,230	LB	360	417588,740	4584624,985	31,310	LB	405	417569,574	4584615,075	31,800	LB-SÑH	450	417581,294	4584625,765	31,490	LB-SÑH
75	416859,599	4585492,555	33,920	LB	361	417590,833	4584628,317	31,210	LB	406	417571,522	4584615,815	31,760	LB-SÑH	451	417580,803	4584625,551	31,510	LB-SÑH
320	417587,773	4584612,722	31,260	LB	362	417593,940	4584630,961	31,120	LB	407	417573,309	4584616,515	31,730	LB-SÑH	452	417579,057	4584624,836	31,530	LB-SÑH
321	417587,496	4584615,245	31,270	LB	363	417598,044	4584632,967	31,010	LB	408	417575,241	4584617,273	31,690	LB-SÑH	453	417577,260	4584624,050	31,540	LB-SÑH
322	417587,433	4584618,041	31,310	LB	365	417602,168	4584634,619	30,920	LB	409	417577,162	4584617,971	31,640	LB-SÑH	454	417575,474	4584623,299	31,590	LB-SÑH
323	417580,287	4584615,266	31,470	LB	366	417601,287	4584637,826	30,810	LB	410	417579,011	4584618,711	31,590	LB-SÑH	455	417573,639	4584622,519	31,650	LB-SÑH
324	417572,433	4584612,205	31,690	LB	367	417594,434	4584635,081	30,970	LB	411	417580,826	4584619,384	31,530	LB-SÑH	456	417571,917	4584621,729	31,680	LB-SÑH
325	417564,944	4584609,313	31,820	LB	368	417588,256	4584632,535	31,130	LB	412	417582,725	4584620,154	31,490	LB-SÑH	457	417570,151	4584620,979	31,730	LB-SÑH
326	417558,182	4584606,774	31,910	LB	369	417589,324	4584629,449	31,240	LB	413	417584,655	4584620,912	31,450	LB-SÑH	458	417568,417	4584620,201	31,760	LB-SÑH
327	417551,462	4584604,231	32,010	LB	370	417582,524	4584626,543	31,450	LB	414	417586,555	4584621,553	31,400	LB-SÑH	459	417566,677	4584619,434	31,770	LB-SÑH
328	417551,787	4584603,278	31,970	LB	371	417580,884	4584629,427	31,380	LB	415	417587,687	4584622,214	31,380	LB-SÑH	460	417564,939	4584618,627	31,800	LB-SÑH
329	417547,442	4584602,256	32,080	LB	372	417574,216	4584626,699	31,540	LB	416	417587,786	4584622,472	31,390	LB-SÑH	461	417563,214	4584617,873	31,820	LB-SÑH
330	417547,301	4584602,649	32,080	LB	373	417575,441	4584623,550	31,660	LB	417	417587,057	4584622,971	31,410	LB-SÑH	462	417561,462	4584617,030	31,840	LB-SÑH
331	417542,194	4584600,736	32,200	LB	374	417568,432	4584620,432	31,840	LB	418	417586,567	4584623,579	31,440	LB-SÑH	463	417559,751	4584616,249	31,880	LB-SÑH
332	417542,227	4584600,572	32,210	LB	375	417566,760	4584623,353	31,800	LB	421	417586,829	4584625,992	31,400	LB-SÑH	464	417558,008	4584615,456	31,920	LB-SÑH
333	417534,485	4584597,660	32,320	LB	376	417559,390	4584620,102	31,970	LB	422	417587,949	4584623,557	31,380	LB-SÑH	465	417556,304	4584614,685	31,920	LB-SÑH
334	417534,435	4584597,798	32,310	LB	377	417560,656	4584616,986	31,940	LB	423	417588,185	4584624,174	31,370	LB-SÑH	466	417554,555	4584613,901	31,940	LB-SÑH
335	417524,778	4584594,089	32,510	LB	378	417553,428	4584613,612	32,020	LB	424	417588,662	4584625,300	31,370	LB-SÑH	467	417552,874	4584613,097	31,980	LB-SÑH
336	417524,835	4584593,910	32,500	LB	379	417551,528	4584616,368	32,000	LB	425	417588,874	4584625,771	31,330	LB-SÑH	468	417551,658	4584612,550	32,010	LB-SÑH
337	417518,334	4584591,413	32,640	LB	380	417544,962	4584613,125	32,110	LB	426	417589,466	4584626,794	31,270	LB-SÑH	469	417551,138	4584612,328	32,030	LB-SÑH
338	417518,218	4584591,535	32,630	LB	381	417546,282	4584610,472	32,100	LB	427	417589,756	4584627,290	31,260	LB-SÑH	470	417549,953	4584611,777	32,050	LB-SÑH
339	417506,537	4584586,889	32,900	LB	382	417539,257	4584607,402	32,240	LB	428	417590,598	4584628,346	31,230	LB-SÑH	471	417549,480	4584611,524	32,040	LB-SÑH
340	417506,582	4584586,776	32,910	LB	383	417537,976	4584609,929	32,240	LB	429	417590,990	4584628,802	31,220	LB-SÑH	472	417548,255	4584610,934	32,060	LB-SÑH
341	417505,557	4584590,276	32,950	LB	384	417531,625	4584607,220	32,360	LB	430	417590,995	4584629,296	31,200	LB-SÑH	473	417547,803	4584610,742	32,070	LB-SÑH
342	417513,419	4584593,450	32,790	LB	385	417532,753	4584604,831	32,370	LB	431	417590,639	4584629,043	31,220	LB-SÑH	474	417548,911	4584609,182	32,110	LB-SÑH
343	417519,421	4584595,867	32,670	LB	386	417526,390	4584602,210	32,530	LB	432	417589,933	4584629,324	31,220	LB-SÑH	475	417548,692	4584608,853	32,110	LB-SÑH
344	417526,877	4584598,819	32,500	LB	387	417528,357	4584605,822	32,430	LB	433	417590,439	4584629,527	31,220	LB-SÑH	476	417547,879	4584608,177	32,160	LB-SÑH
345	417534,518	4584601,769	32,400	LB	388	417520,867	4584602,862	32,600	LB	434	417589,507	4584628,481	31,260	LB-SÑH	477	417547,503	4584607,815	32,180	LB-SÑH
346	417541,939	4584604,606	32,270	LB	389	417521,733	4584600,378	32,650	LB	435	417589,207	4584628,194	31,280	LB-SÑH	478	417553,302	4584611,093	32,000	LB-SÑH
347	417549,373	4584607,450	32,090	LB	390	417513,756	4584597,200	32,820	LB	436	417588,612	4584628,806	31,270	LB-SÑH	479	417556,813	4584612,536	31,940	LB-SÑH
348	417548,611	4584607,326	32,090	LB-SÑH	391	417508,292	4584595,017	32,930	LB	437	417588,082	4584628,597	31,310	LB-SÑH	480	417560,219	4584614,019	31,870	LB-SÑH

Punto	X	Y	Z	Código	Punto	X	Y	Z	Código	Punto	X	Y	Z	Código	Punto	X	Y	Z	Código
481	417563,923	4584615,596	31,810	LB-SÑH	523	417543,744	4584940,811	31,410	LB	566	417465,622	4585101,996	31,240	LB	609	418761,456	4583051,012	21,580	LB
482	417567,747	4584617,055	31,780	LB-SÑH	524	417539,977	4584947,481	31,500	LB	567	417011,293	4586350,439	48,550	LB	611	418754,839	4583048,367	21,640	LB
483	417571,548	4584618,631	31,710	LB-SÑH	525	417536,989	4584945,474	31,600	LB	568	417009,327	4586360,120	48,650	LB	612	418757,497	4583041,760	21,390	LB
484	417575,300	4584620,301	31,630	LB-SÑH	526	417532,782	4584952,799	31,690	LB	570	417007,322	4586369,977	48,780	LB	613	418751,032	4583039,137	21,460	LB
485	417578,771	4584621,853	31,570	LB-SÑH	527	417536,029	4584954,379	31,640	LB	571	417005,612	4586378,469	48,870	LB	614	418748,177	4583045,490	21,710	LB
486	417580,868	4584622,516	31,530	LB-SÑH	528	417532,312	4584961,133	31,680	LB	572	417003,717	4586387,879	48,940	LB	615	418740,788	4583042,254	21,770	LB
487	417582,117	4584623,470	31,490	LB-SÑH	529	417529,182	4584959,310	31,730	LB	573	417002,050	4586396,870	49,010	LB	616	418743,753	4583035,962	21,540	LB
488	417622,104	4584832,213	27,290	LB	531	417525,424	4584966,189	31,790	LB	574	417000,293	4586405,856	49,100	LB	617	418736,926	4583032,799	21,620	LB
489	417619,304	4584829,849	27,330	LB	532	417528,405	4584968,153	31,780	LB	575	416998,633	4586414,891	49,150	LB	618	418734,424	4583039,360	21,840	LB
490	417614,413	4584835,898	27,690	LB	533	417524,745	4584975,063	31,810	LB	576	416996,813	4586424,312	49,170	LB	619	418727,552	4583036,139	21,940	LB
491	417617,106	4584838,407	27,620	LB	534	417521,731	4584973,110	31,810	LB	577	416995,141	4586433,808	49,230	LB	620	418730,655	4583029,774	21,700	LB
492	417612,399	4584844,414	27,980	LB	535	417517,863	4584980,461	31,800	LB	578	416993,459	4586443,245	49,260	LB	621	418723,723	4583026,267	21,810	LB
493	417609,559	4584842,091	28,030	LB	536	417521,132	4584981,971	31,770	LB	579	416991,801	4586452,805	49,290	LB	622	418720,292	4583032,373	22,050	LB
494	417604,770	4584848,058	28,360	LB	537	417517,298	4584989,623	31,750	LB	580	416990,117	4586462,814	49,320	LB	623	418713,403	4583028,791	22,180	LB
495	417607,118	4584850,994	28,330	LB	538	417514,144	4584987,916	31,810	LB	581	416988,620	4586472,023	49,330	LB	624	418716,914	4583022,673	21,950	LB
496	417602,420	4584856,903	28,630	LB	539	417510,519	4584995,095	31,790	LB	582	416987,083	4586480,942	49,360	LB	625	418710,277	4583018,999	22,090	LB
497	417599,487	4584854,751	28,730	LB	540	417513,741	4584996,733	31,720	LB	583	416985,580	4586490,417	49,380	LB	626	418706,731	4583025,064	22,320	LB
498	417594,253	4584861,352	29,040	LB	541	417510,058	4585004,562	31,740	LB	584	416984,031	4586500,274	49,380	LB	627	418700,230	4583021,307	22,440	LB
499	417596,933	4584863,874	29,010	LB	542	417506,940	4585002,490	31,770	LB	585	416982,673	4586508,983	49,420	LB	628	418703,916	4583015,337	22,220	LB
500	417592,207	4584869,924	29,310	LB	543	417503,281	4585010,111	31,760	LB	586	416981,007	4586519,801	49,420	LB	629	418697,201	4583011,232	22,370	LB
501	417589,417	4584867,630	29,340	LB	544	417506,437	4585011,871	31,710	LB	587	416979,671	4586528,649	49,360	LB	630	418693,034	4583016,913	22,630	LB
502	417584,457	4584873,970	29,610	LB	545	417502,961	4585019,469	31,690	LB	588	416978,579	4586536,053	49,370	LB	631	418686,982	4583012,973	22,770	LB
503	417587,257	4584876,255	29,560	LB	546	417499,714	4585017,767	31,720	LB	589	416977,256	4586545,379	49,350	LB	632	418690,829	4583007,190	22,540	LB
504	417582,403	4584882,687	29,840	LB	547	417496,128	4585025,523	31,720	LB	590	416975,864	4586554,688	49,330	LB	633	418684,238	4583002,698	22,760	LB
505	417579,575	4584880,456	29,870	LB	548	417499,203	4585027,633	31,660	LB	591	416974,593	4586563,774	49,320	LB	634	418680,129	4583008,482	22,990	LB
506	417575,167	4584886,330	30,090	LB	549	417495,420	4585036,084	31,630	LB	592	416973,339	4586572,515	49,300	LB	635	418674,334	4583004,489	23,150	LB
507	417578,050	4584888,504	30,070	LB	550	417492,199	4585034,419	31,680	LB	593	416972,146	4586580,978	49,240	LB	636	418678,544	4582998,754	22,930	LB
508	417573,534	4584894,719	30,260	LB	551	417488,197	4585043,196	31,640	LB	594	418812,045	4583067,138	21,470	LB	637	418671,680	4582993,878	23,170	LB
509	417570,629	4584892,571	30,360	LB	552	417491,551	4585044,491	31,600	LB	595	418813,697	4583059,852	21,230	LB	638	418667,364	4582999,451	23,350	LB
510	417565,849	4584899,297	30,590	LB	553	417487,859	4585052,651	31,540	LB	596	418807,292	4583058,318	21,190	LB	639	418661,106	4582994,867	23,560	LB
511	417568,581	4584901,720	30,480	LB	554	417484,721	4585050,907	31,580	LB	597	418805,010	4583065,211	21,490	LB	640	418665,149	4582989,228	23,400	LB
512	417564,304	4584907,996	30,630	LB	555	417480,804	4585059,583	31,510	LB	598	418798,415	4583063,328	21,480	LB	641	418658,379	4582984,105	23,680	LB
513	417561,352	4584905,918	30,780	LB	556	417483,728	4585061,828	31,480	LB	599	418800,640	4583056,619	21,170	LB	642	418654,076	4582989,688	23,840	LB
514	417557,234	4584912,031	31,000	LB	557	417479,913	4585070,325	31,410	LB	600	418793,694	4583054,659	21,160	LB	643	418646,756	4582984,106	24,090	LB
515	417560,202	4584914,146	30,850	LB	558	417476,533	4585069,271	31,420	LB	601	418791,412	4583061,243	21,440	LB	644	418651,113	4582978,636	23,990	LB
516	417555,863	4584920,821	31,020	LB	559	417475,503	4585080,021	31,310	LB	602	418783,969	4583058,850	21,430	LB	645	418643,931	4582973,092	24,290	LB
517	417552,860	4584918,795	31,140	LB	560	417472,368	4585078,409	31,350	LB	603	418786,036	4583052,313	21,190	LB	646	418639,592	4582978,587	24,350	LB
518	417548,793	4584925,333	31,280	LB	561	417468,554	4585086,886	31,290	LB	604	418778,280	4583049,608	21,220	LB	647	418633,890	4582974,227	24,550	LB
519	417551,740	4584927,348	31,160	LB	562	417471,596	4585088,684	31,270	LB	605	418776,184	4583056,320	21,500	LB	648	418638,534	4582968,921	24,540	LB
520	417548,013	4584933,596	31,310	LB	563	417468,495	4585095,560	31,260	LB	606	418769,256	4583053,948	21,540	LB	609	418761,456	4583051,012	21,580	LB
521	417544,946	4584931,748	31,390	LB	564	417465,365	4585094,330	31,320	LB	607	418771,281	4583047,083	21,300	LB	611	418754,839	4583048,367	21,640	LB
522	417540,801	4584938,864	31,500	LB	565	417462,405	4585100,804	31,290	LB	608	418764,484	4583044,501	21,320	LB	612	418757,497	4583041,760	21,390	LB

Punto	X	Y	Z	Código
136	417857.412	4584153.306	25.902	lb
137	417865.814	4584132.211	25.715	lb
140	417872.887	4584114.553	25.615	lb
141	417879.441	4584098.170	25.534	lb
144	417885.753	4584082.457	25.480	lb
145	417894.645	4584060.621	25.438	lb
148	417900.278	4584047.104	25.465	lb
149	417906.642	4584032.120	25.464	lb
152	417913.897	4584015.551	25.489	lb
153	417921.282	4583999.027	25.521	lb
156	417928.891	4583982.357	25.550	lb
157	417936.486	4583966.188	25.586	lb
160	417944.403	4583949.911	25.599	lb
161	417952.558	4583933.799	25.596	lb
164	417960.335	4583918.721	25.590	lb
165	417969.466	4583901.357	25.579	lb
168	417976.663	4583888.029	25.537	lb
169	417983.016	4583876.412	25.519	lb
172	417990.950	4583862.154	25.483	lb
173	418000.753	4583844.852	25.418	lb
176	418009.151	4583830.394	25.387	lb
177	418018.855	4583814.046	25.288	lb
341	417718.239	4584546.047	26.686	lb
342	417722.872	4584530.458	26.488	lb
345	417727.070	4584516.922	26.177	lb
346	417731.623	4584502.549	25.945	lb
349	417735.456	4584490.817	25.832	lb
350	417740.423	4584476.001	25.743	lb
353	417745.330	4584462.028	25.735	lb
354	417750.917	4584446.030	25.892	lb
357	417756.088	4584431.412	26.097	lb
358	417760.275	4584419.469	26.272	lb
359	417760.240	4584419.683	26.276	lb
362	417765.876	4584403.056	26.439	lb
363	417773.497	4584380.368	26.648	lb
366	417781.111	4584358.866	26.823	lb
367	417783.311	4584352.793	26.863	lb
370	417786.889	4584342.745	26.947	lb
371	417790.372	4584332.882	26.967	lb
374	417796.173	4584316.018	27.003	lb
375	417802.182	4584298.716	26.977	lb
377	417803.827	4584294.183	26.968	lb

Punto	X	Y	Z	Código
378	417803.459	4584294.054	26.973	lb
379	417808.278	4584280.922	26.870	lb
380	417808.611	4584281.094	26.868	lb
383	417813.931	4584265.571	26.773	lb
384	417820.991	4584246.739	26.632	lb
387	417826.968	4584230.861	26.526	lb
388	417834.094	4584212.315	26.344	lb
389	417834.104	4584212.315	26.352	lb
392	417839.882	4584197.598	26.244	lb
393	417847.184	4584179.031	26.121	lb
396	417853.070	4584164.130	25.990	lb

3.12.2.- Taquimétricos

Actuación B - Marco Ramal 4 P.K. 4+200

1	416441.878	4586586.404	30.235	pm	363	416472.411	4586602.831	33.877	lb	436	416502.634	4586599.929	29.482	alambrada	509	416525.051	4586575.556	28.813	hormigón
14	416447.408	4586611.076	33.040	farola	364	416471.706	4586602.711	33.826	b-ctra	437	416496.232	4586609.731	29.688	alambrada	510	416527.013	4586575.468	28.777	hormigón
15	416470.792	4586568.178	32.915	farola	365	416471.661	4586602.672	33.780	cuneta	438	416489.797	4586620.565	30.092	alambrada	511	416527.044	4586571.290	28.775	hormigón
293	416512.068	4586559.409	34.570	ct	366	416471.404	4586602.490	33.769	cuneta	439	416486.430	4586625.530	30.395	alambrada	512	416524.994	4586571.338	28.759	hormigón
294	416510.017	4586559.033	34.710	arq-dgt	367	416471.407	4586602.497	33.759	pretil	440	416486.890	4586625.861	30.308	camino	513	416526.409	4586571.956	28.779	rg
295	416510.579	4586559.331	34.706	arq-dgt	368	416467.026	4586610.326	33.753	pretil	441	416486.368	4586626.786	30.316	camino	514	416527.091	4586571.290	28.774	ct
296	416510.271	4586559.878	34.728	arq-dgt	369	416467.047	4586610.319	33.752	cuneta	442	416490.201	4586621.439	29.988	camino	515	416528.632	4586570.190	28.739	ct
297	416509.748	4586559.574	34.732	arq-dgt	370	416467.307	4586610.442	33.770	cuneta	443	416495.812	4586614.457	29.196	camino	516	416531.206	4586569.602	28.656	ct
298	416507.355	4586568.735	34.543	ct	371	416467.302	4586610.452	33.778	cuneta	444	416498.720	4586610.829	28.934	camino	517	416531.228	4586568.157	28.493	ct
299	416502.920	4586577.866	34.471	ct	372	416467.366	4586610.474	33.830	b-ctra	445	416501.608	4586606.715	28.611	camino	518	416530.813	4586568.742	28.252	pt
300	416500.018	4586582.744	34.534	ct	373	416468.137	4586610.428	33.866	lb	446	416505.080	4586601.356	28.048	camino	519	416528.775	4586569.294	28.188	pt
301	416499.585	4586582.220	34.727	farola	374	416464.819	4586611.116	33.685	pretil	447	416507.855	4586597.040	27.396	camino	520	416526.784	4586570.882	28.214	pt
302	416496.734	4586589.796	34.572	ct	375	416469.752	4586602.304	33.681	pretil	448	416508.628	4586594.790	27.274	camino	521	416524.950	4586571.250	28.114	pt
303	416494.102	4586595.152	34.558	ct	376	416474.780	4586593.078	33.691	pretil	449	416508.878	4586592.080	27.073	camino	522	416523.770	4586573.252	27.863	pt
304	416489.427	4586603.379	34.605	ct	377	416479.653	4586583.923	33.699	pretil	450	416508.662	4586590.174	26.780	camino	523	416520.726	4586578.424	27.205	pt
305	416486.139	4586609.735	34.593	ct	378	416484.636	4586574.341	33.684	pretil	451	416507.551	4586588.584	26.560	camino	524	416518.540	4586583.268	26.541	pt
306	416483.383	4586614.729	34.554	ct	379	416489.493	4586564.768	33.668	pretil	452	416505.357	4586588.727	26.424	camino	525	416523.796	4586572.830	27.927	pt
307	416480.834	4586614.291	34.676	bionda	380	416493.915	4586555.798	33.647	pretil	453	416505.800	4586592.538	28.437	pm	526	416524.618	4586571.155	28.136	pt
308	416484.336	4586607.890	34.685	bionda	381	416496.203	4586551.056	33.635	pretil	454	416503.760	4586592.723	28.281	ct	527	416526.128	4586570.021	28.184	pt
309	416487.923	4586601.216	34.687	bionda	382	416495.046	4586551.031	33.569	lb	455	416505.122	4586592.303	28.506	ct	528	416528.307	4586569.020	28.203	pt
310	416495.032	4586587.957	34.682	bionda	383	416490.613	4586560.158	33.595	lb	456	416507.484	4586591.883	28.242	ct	529	416530.574	4586568.535	28.285	pt
311	416500.268	4586577.797	34.658	bionda	384	416485.987	4586569.447	33.602	lb	457	416506.957	4586594.474	28.562	ct	530	416534.691	4586572.016	28.637	hormigón
312	416505.738	4586566.617	34.644	bionda	385	416481.253	4586578.691	33.625	lb	458	416510.838	4586581.110	26.456	camino	531	416534.768	4586573.971	28.627	hormigón
313	416510.357	4586557.171	34.626	bionda	386	416476.402	4586587.895	33.633	lb	459	416512.479	4586580.798	26.570	camino	532	416536.792	4586573.884	28.607	hormigón
314	416510.294	4586557.061	34.648	b.-ctra	387	416471.611	4586596.819	33.621	lb	460	416513.973	4586579.966	26.627	camino	533	416536.669	4586571.889	28.558	hormigón
315	416505.186	4586567.653	34.665	b-ctra	388	416466.504	4586605.995	33.624	lb	461	416515.098	4586579.073	27.101	camino	534	416536.096	4586573.302	28.667	rg
316	416500.603	4586576.802	34.679	b-ctra	389	416461.435	4586614.928	33.615	lb	462	416518.388	4586574.848	27.681	camino	535	416540.210	4586565.615	28.542	alambrada
317	416495.664	4586586.462	34.695	b-ctra	390	416461.654	4586616.647	33.677	pretil	463	416521.788	4586569.103	28.295	camino	536	416535.625	4586560.507	28.868	alambrada
318	416490.838	4586595.657	34.698	b-ctra	391	416451.043	4586612.326	32.947	lb	464	416525.559	4586562.437	28.854	camino	537	416535.695	4586557.892	28.955	alambrada
319	416485.903	4586604.821	34.705	b-ctra	392	416456.153	4586603.493	32.948	lb	465	416528.011	4586553.561	29.163	camino	538	416540.397	4586547.233	28.947	alambrada
320	416483.256	4586609.647	34.698	b-ctra	393	416461.007	4586594.743	32.960	lb	466	416532.408	4586544.103	29.088	camino	539	416514.709	4586576.478	28.404	of
321	416479.784	4586615.874	34.687	b-ctra	394	416466.022	4586585.579	32.959	lb	467	416532.376	4586543.280	29.132	alambrada	540	416514.669	4586576.437	28.902	of
322	416477.626	4586614.684	34.542	lb	395	416471.002	4586576.183	32.956	lb	468	416539.096	4586546.710	28.906	camino	541	416514.424	4586575.990	29.154	of
323	416481.699	4586607.339	34.547	lb	396	416475.977	4586566.521	32.956	lb	469	416535.172	4586555.044	28.963	camino	542	416507.205	4586580.678	31.720	of
324	416484.059	4586602.985	34.550	lb	397	416480.639	4586557.212	32.925	lb	470	416533.716	4586559.076	28.884	camino	543	416506.706	4586580.942	31.716	of
325	416488.816	4586594.155	34.545	lb	398	416478.252	4586556.488	32.760	b-ctra	471	416533.572	4586562.104	28.758	camino	544	416507.002	4586580.341	31.801	of
326	416493.264	4586585.667	34.542	lb	399	416473.772	4586565.441	32.767	b-ctra	472	416534.452	4586563.946	28.674	camino	545	416506.620	4586580.188	31.947	of
327	416498.083	4586576.422	34.534	lb	400	416469.181	4586574.325	32.771	b-ctra	473	416535.507	4586564.689	28.568	camino	546	416500.409	4586592.153	31.969	of
328	416502.466	4586567.571	34.514	lb	401	416464.539	4586583.088	32.785	b-ctra	474	416538.023	4586565.733	28.496	camino	547	416500.815	4586592.179	31.953	of
329	416504.816	4586562.803	34.511	lb	402	416460.298	4586590.961	32.780	b-ctra	475	416538.726	4586569.964	28.348	camino	548	416500.895	4586592.157	31.742	of
330	416505.147	4586563.031	34.525	lb	403	416455.407	4586599.738	32.781	b-ctra	476	416533.202	4586568.295	28.568	camino	549	416501.265	4586591.491	31.750	of
331	416508.541	4586555.893	34.515	lb	404	416450.264	4586608.845	32.789	b-ctra	477	416531.363	4586567.927	28.544	camino	550	416506.042	4586594.340	28.804	of
332	416500.564	4586547.297	33.777	lb	405	416448.486	4586611.379	32.739	bionda	478	416528.080	4586568.528	28.475	camino	551	416505.703	4586594.843	29.054	of
333	416500.263	4586547.005	33.747	b-ctra	406	416453.517	4586602.583	32.734	bionda	479	416524.971	4586570.580	28.290	camino	552	416530.561	4586579.628	28.861	tm
334	416500.179	4586547.065	33.695	cuneta	407	416458.601	4586593.542	32.728	bionda	480	416523.283	4586573.263	27.998	camino	553	416531.281	4586580.845	28.948	tm
335	416499.819	4586546.987	33.689	cuneta	408	416463.566	4586584.405	32.732	bionda	481	416518.982	4586580.838	27.031	camino	554	416531.613	4586580.030	29.087	tm
336	416499.821	4586546.996	33.687	pretil	409	416468.184	4586575.614	32.722	bionda	482	416516.450	4586585.096	26.308	camino	555	416442.726	4586581.599	29.568	camino
337	416494.919	4586557.215	33.706	pretil	410	416472.623	4586567.055	32.731	bionda	483	416514.944	4586588.231	26.385	camino	556	416447.432	4586582.278	28.595	camino
338	416494.939	4586557.179	33.703	cuneta	411	416478.423	4586555.580	32.716	bionda	484	416513.547	4586593.224	26.989	camino	557	416450.802	4586583.995	27.784	camino
339	416495.218	4586557.287	33.726	cuneta	412	416478.229	4586555.590	32.877	bordillo	485	416512.256	4586597.190	27.532	camino	558	416455.850	4586584.531	26.869	camino
340	416495.287	4586557.320	33.785	b-ctra	413	416476.593	4586555.301	32.717	ct	486	416509.248	4586601.876	28.023	camino	559	416457.770	4586584.444	26.717	camino
341	416495.690	4586557.466	33.817	lb	414	416472.271	4586563.409	32.693	ct	487	416502.801	4586610.832	28.781	camino	560	416456.705	4586588.055	26.927	camino
342	416491.177	4586566.563	33.831	lb	415	416473.991	4586564.044	32.889	bordillo	488	416497.370	4586618.458	29.377	camino	561	416453.142	4586587.723	27.319	

582	416456.097	4586579.224	28.221	cunet.hor.	659	416452.125	4586574.000	29.917	ct
583	416456.377	4586577.687	28.605	cunet.hor.	660	416455.834	4586567.179	29.778	ct
584	416456.012	4586577.557	28.294	cunet.hor.	661	416459.825	4586558.634	29.648	ct
585	416454.121	4586577.329	28.303	cunet.hor.	662	416463.441	4586552.046	29.428	ct
586	416453.654	4586577.220	28.689	cunet.hor.	663	416458.147	4586552.960	29.486	alambrada
587	416455.637	4586571.105	28.684	cunet.hor.	664	416453.973	4586561.514	29.811	alambrada
588	416456.148	4586571.223	28.358	cunet.hor.	665	416451.545	4586566.369	29.724	alambrada
589	416457.825	4586571.661	28.303	cunet.hor.	666	416443.430	4586574.541	29.880	alambrada
590	416458.298	4586571.760	28.677	cunet.hor.	667	416449.026	4586574.609	29.988	hormigón
591	416462.582	4586556.970	28.613	cunet.hor.	668	416450.937	4586574.632	29.973	hormigón
592	416463.073	4586557.151	28.203	cunet.hor.	669	416451.039	4586571.451	29.960	hormigón
593	416464.452	4586557.637	28.220	cunet.hor.	670	416448.982	4586571.326	29.988	hormigón
594	416465.069	4586557.932	28.706	cunet.hor.	671	416449.892	4586571.862	29.985	rg
595	416466.471	4586548.179	28.533	cunet.hor.					
596	416466.916	4586548.437	28.140	cunet.hor.					
597	416468.403	4586548.814	28.171	cunet.hor.					
598	416468.868	4586549.020	28.502	cunet.hor.					
599	416471.289	4586549.755	29.834	alambrada					
600	416465.735	4586562.285	30.130	alambrada					
601	416461.115	4586571.824	29.862	alambrada					
602	416457.459	4586577.697	28.521	alambrada					
603	416459.596	4586579.038	27.995	alambrada					
604	416458.137	4586578.024	28.509	of					
605	416458.208	4586578.032	29.375	of					
606	416458.443	4586577.606	29.358	of					
607	416463.204	4586580.085	32.033	of					
608	416462.832	4586580.781	31.996	of					
609	416463.288	4586580.080	32.150	of					
610	416463.769	4586580.271	32.340	of					
611	416457.395	4586592.051	32.292	of					
612	416456.967	4586591.877	32.185	of					
613	416457.210	4586591.218	32.030	of					
614	416456.612	4586591.576	32.003	of					
615	416456.934	4586591.952	32.064	of					
616	416451.507	4586595.009	30.326	of					
617	416451.276	4586594.608	30.341	of					
618	416451.469	4586595.089	29.797	of					
619	416451.140	4586594.599	29.293	of					
620	416451.403	4586594.360	28.989	alambrada					
621	416447.379	4586596.601	28.685	alambrada					
622	416443.561	4586604.444	29.920	alambrada					
623	416441.913	4586608.231	30.372	alambrada					
624	416439.604	4586607.209	29.510	cunet.hor.					
625	416439.142	4586607.169	29.092	cunet.hor.					
626	416438.069	4586606.778	29.077	cunet.hor.					
627	416437.567	4586606.648	29.597	cunet.hor.					
628	416441.442	4586599.920	29.167	cunet.hor.					
629	416441.891	4586600.058	28.695	cunet.hor.					
630	416443.055	4586600.625	28.701	cunet.hor.					
631	416443.349	4586600.908	29.105	cunet.hor.					
632	416446.255	4586596.389	28.693	cunet.hor.					
633	416445.755	4586596.347	28.292	cunet.hor.					
634	416444.502	4586595.709	28.332	cunet.hor.					
635	416444.068	4586595.497	28.808	cunet.hor.					
636	416445.612	4586592.963	28.463	cunet.hor.					
637	416446.013	4586593.052	28.068	cunet.hor.					
638	416447.630	4586594.015	28.028	cunet.hor.					
639	416448.033	4586594.211	28.419	cunet.hor.					
640	416446.187	4586592.218	28.054	cunet.hor.					
641	416447.195	4586591.160	28.122	cunet.hor.					
642	416447.970	4586591.650	27.762	cunet.hor.					
643	416448.923	4586592.844	27.826	cunet.hor.					
644	416449.861	4586592.752	28.127	cunet.hor.					
645	416449.627	4586592.376	27.773	cunet.hor.					
646	416449.451	4586591.400	27.628	cunet.hor.					
647	416449.345	4586590.758	27.816	cunet.hor.					
648	416453.929	4586589.372	27.112	cunet.hor.					
649	416454.245	4586590.135	26.997	cunet.hor.					
650	416454.905	4586591.203	27.478	cunet.hor.					
651	416447.364	4586589.163	28.439	hierro					
652	416441.894	4586587.495	30.465	ct					
653	416441.747	4586590.062	30.196	ct					
654	416439.791	4586597.402	30.522	ct					
655	416438.607	4586601.557	30.413	ct					
656	416436.136	4586606.188	30.512	ct					
657	416445.853	4586576.345	29.968	ct					
658	416450.367	4586575.392	29.817	ct					

Actuación B - Marco Ramal 4 P.K. 4+480

1255	416550.438	4586331.699	28.524	muro	2554	416553.673	4586347.004	31.946	bord
1258	416559.010	4586326.525	32.097	muro	2555	416555.070	4586346.984	32.136	bord
1259	416562.470	4586313.657	32.002	muro	2556	416555.596	4586347.078	32.260	calz
1262	416555.103	4586312.262	28.042	muro	2557	416554.495	4586348.260	32.361	ct
2483	416550.183	4586324.377	27.149	cam	2558	416554.903	4586346.780	32.310	ct
2484	416549.935	4586321.898	27.191	cun	2559	416554.438	4586344.812	32.398	farola
2485	416549.645	4586322.985	27.204	cun	2560	416558.609	4586336.112	32.288	calz
2486	416552.825	4586318.886	27.236	rell	2561	416558.005	4586336.143	32.105	bord
2487	416557.424	4586313.873	26.993	rell	2562	416557.798	4586336.000	32.391	ct
2488	416562.157	4586314.409	26.946	rell	2563	416555.983	4586335.299	32.220	ct
2489	416559.169	4586320.510	26.991	rell	2564	416559.320	4586327.730	32.251	ct
2490	416559.136	4586325.844	27.134	rell	2565	416560.015	4586327.946	32.372	ct
2491	416552.537	4586326.561	27.267	rell	2566	416560.230	4586327.995	32.129	bord
2492	416552.743	4586330.115	27.394	ct	2567	416560.762	4586328.155	32.277	calz
2493	416549.657	4586329.558	27.288	ct	2569	416559.185	4586325.877	32.036	muro
2494	416547.018	4586330.570	27.035	ct	2570	416562.269	4586314.369	31.960	muro
2495	416544.540	4586332.025	27.028	ct	2571	416563.285	4586312.987	32.218	ct
2496	416543.742	4586333.364	27.036	ct	2572	416563.978	4586313.338	32.248	ct
2497	416549.404	4586331.363	27.953	ct	2573	416564.502	4586311.341	32.248	ct
2498	416548.489	4586330.986	27.717	ct	2574	416563.313	4586310.467	31.948	ct
2499	416546.592	4586333.083	28.067	ct	2575	416564.742	4586311.272	32.008	bord
2500	416548.030	4586333.822	28.215	ct	2576	416564.732	4586311.267	32.024	bord
2501	416544.927	4586341.785	28.366	ct	2577	416563.533	4586310.232	31.811	bord
2502	416543.772	4586341.141	28.000	ct	2578	416563.715	4586310.043	31.834	bord
2503	416542.175	4586340.957	27.202	ct	2579	416565.055	4586310.089	31.990	bord
2504	416542.081	4586350.691	28.515	ct	2580	416565.639	4586310.148	32.183	calz
2505	416540.934	4586350.214	28.074	ct	2581	416564.905	4586309.848	32.205	ct
2506	416539.234	4586349.820	27.087	ct	2582	416563.407	4586309.268	31.946	ct
2507	416538.266	4586349.542	27.077	ct	2583	416563.868	4586304.358	32.079	ct
2508	416536.370	4586348.956	28.120	ct	2584	416565.904	4586302.043	32.258	farola
2509	416535.043	4586348.906	28.221	alamb	2585	416566.031	4586296.652	32.045	ct
2510	416537.940	4586339.542	28.150	alamb	2586	416568.324	4586297.098	32.160	ct
2511	416538.720	4586339.000	27.943	ct	2587	416568.506	4586297.341	31.917	bord
2512	416540.821	4586339.358	27.055	ct	2588	416569.059	4586297.435	32.096	calz
2513	416540.259	4586331.575	28.202	alamb	2589	416523.107	4586313.028	27.850	ct
2514	416541.072	4586331.819	27.966	ct	2590	416545.953	4586314.027	27.910	ct
2515	416542.534	4586332.460	27.102	ct	2591	416555.094	4586312.299	26.960	ct
2516	416543.356	4586330.192	27.196	ct	2592	416526.318	4586307.107	27.800	rell
2517	416543.717	4586328.058	27.325	ct	2593	416529.693	4586293.583	27.680	rell
2518	416541.555	4586327.201	28.162	alamb	2594	416546.117	4586296.606	27.682	rell
2519	416527.682	4586325.210	28.305	alamb	2595	416546.302	4586303.919	27.710	rell
2520	416527.391	4586320.020	28.160	cam	2596	416543.649	4586304.391	27.730	rell
2521	416535.378	4586321.279	28.017	cam	2597	416542.076	4586299.642	27.660	rell
2522	416537.877	4586322.559	28.142	post elect	2598	416544.179	4586344.125	28.410	ct
2523	416542.560	4586322.782	27.803	cam	2599	416544.086	4586344.417	28.420	ct
2526	416515.304	4586317.230	27.937	cun	2600	416554.384	4586307.330	27.600	ct
2527	416515.982	4586316.040	27.946	cun	2601	416554.427	4586307.097	27.590	ct
2528	416515.345	4586318.121	28.620	cam					
2529	416515.442	4586323.254	28.527	alamb					
2530	416552.346	4586310.948	26.944	cun					
2531	416550.308	4586310.879	26.997	cun					
2532	416553.958	4586309.634	27.789	ct					
2533	416536.261	4586314.193	27.887	ct					
2534	416542.245	4586314.786	27.919	ct					
2535	416547.581	4586310.670	27.921	ct					
2536	416545.444	4586308.995	27.784	rell					
2537	416546.193	4586303.830	28.307	arqueton					
2538	416545.501	4586299.401	28.293	arqueton					
2539	416542.171	4586299.689	28.329	arqueton					
2540	416543.688	4586304.225	28.302	arqueton					
2541	416545.553	4586299.296	27.649	rell					
2542	416551.485	4586297.306	27.700	ct					
2543	416553.059	4586297.683	26.862	ct					
2544	416555.311	4586298.255	26.923	ct					
2545	416556.083	4586298.141	27.308	ct					
2546	416550.542	4586353.107	32.309	ct					
2547	416553.021	4586353.788	32.361	ct					
2548	416553.215	4586353.902	32.139	bord					
2549	416553.674	4586354.068	32.307	calz					
2550	416552.460	4586347.775	32.091	ct					
2551	416553.116	4586346.496	32.010	ct					
2552	416554.751	4586348.179	32.132	bord					
2553	416553.592	4586347.300	31.976	bord					

Actuación B - Marco Ramal 4 P.K. 4+660

2148	416653.561	4586178.300	28.337	ct	2222	416653.598	4586155.979	30.658	muro	2372	416589.122	4586149.097	28.784	cam	2446	416600.612	4586161.763	28.173	ct
2149	416655.522	4586171.018	28.561	ct	2223	416658.519	4586160.403	28.013	muro	2373	416589.224	4586147.940	28.615	ct	2447	416601.660	4586156.749	28.711	ct
2150	416658.198	4586164.107	28.600	ct	2224	416663.245	4586146.272	27.757	muro	2374	416593.683	4586147.635	28.285	ct	2448	416603.422	4586150.928	28.180	ct
2151	416658.831	4586162.427	28.508	ct	2300	416608.728	4586135.682	27.337	ct	2375	416593.758	4586148.678	28.417	cam	2449	416603.343	4586171.128	31.361	ct
2152	416659.164	4586164.252	28.488	ct	2301	416606.575	4586133.319	27.771	ct	2376	416596.403	4586147.747	28.165	cam	2450	416605.609	4586171.613	31.453	ct
2153	416657.998	4586168.744	28.621	ct	2302	416607.886	4586127.047	28.061	ct	2377	416594.843	4586146.715	28.269	ct	2451	416605.794	4586171.717	31.229	bord
2154	416657.033	4586171.558	28.394	ct	2303	416608.735	4586122.766	28.134	ct	2378	416598.896	4586146.508	27.828	cam	2452	416606.355	4586171.926	31.361	calz
2155	416658.487	4586169.478	28.322	ct	2304	416607.843	4586122.700	27.836	ct	2379	416600.376	4586144.756	27.564	cam	2453	416607.073	4586160.987	31.215	ct
2156	416659.394	4586166.619	28.193	ct	2305	416607.006	4586126.811	27.914	ct	2380	416602.045	4586142.184	27.346	cam	2454	416609.665	4586160.431	31.272	calz
2157	416660.630	4586163.017	28.023	ct	2306	416605.485	4586131.809	27.667	ct	2381	416605.982	4586139.181	27.314	cam	2455	416609.076	4586160.222	31.117	bord
2158	416660.203	4586160.707	27.770	ct	2307	416605.103	4586133.585	27.617	ct	2382	416611.498	4586138.754	27.318	cam	2456	416609.121	4586160.223	31.125	bord
2159	416658.719	4586159.950	27.722	ct	2308	416605.210	4586135.090	27.546	ct	2383	416611.094	4586145.582	27.357	cam	2457	416608.907	4586160.273	31.400	ct
2160	416659.132	4586156.832	27.530	rell	2309	416605.954	4586136.330	27.333	ct	2384	416604.279	4586147.690	27.411	cam	2458	416607.884	4586159.560	31.027	bord
2161	416655.860	4586154.552	27.443	rell	2310	416605.906	4586136.623	27.296	cun	2385	416601.696	4586149.039	27.889	cam	2459	416607.970	4586159.329	31.011	bord
2162	416656.882	4586149.758	27.420	rell	2311	416604.866	4586135.360	27.283	cun	2386	416598.315	4586151.433	28.428	cam	2460	416609.458	4586159.011	31.114	bord
2163	416663.195	4586151.667	27.625	rell	2312	416604.595	4586133.631	27.263	cun	2387	416593.285	4586153.673	28.912	cam	2461	416610.022	4586159.131	31.264	calz
2164	416668.411	4586153.170	27.855	rell	2313	416604.902	4586131.657	27.249	cun	2388	416597.155	4586155.031	28.683	ct	2462	416609.282	4586158.790	31.343	ct
2165	416668.325	4586161.484	28.084	rell	2314	416605.745	4586127.655	27.230	cun	2389	416594.199	4586155.368	28.938	ct	2463	416607.690	4586158.486	31.117	ct
2166	416664.130	4586162.910	28.109	rell	2315	416607.150	4586121.591	27.205	cun	2390	416590.180	4586154.161	28.897	ct	2464	416610.901	4586148.808	31.133	ct
2167	416661.244	4586172.968	28.386	rell	2316	416605.800	4586121.169	27.168	cun	2391	416590.228	4586153.432	28.974	cam	2465	416611.987	4586149.065	31.236	ct
2168	416665.851	4586174.978	28.332	rell	2317	416604.868	4586126.082	27.232	cun	2392	416579.560	4586151.371	29.045	cam	2466	416612.191	4586149.123	31.006	bord
2169	416671.680	4586178.222	28.335	rell	2318	416603.871	4586130.222	27.219	cun	2393	416579.353	4586152.132	29.037	ct	2467	416612.696	4586149.319	31.189	calz
2170	416675.136	4586172.527	28.195	rell	2319	416602.769	4586134.102	27.265	cun	2394	416579.175	4586152.968	27.740	ct	2468	416611.163	4586147.345	31.013	muro
2171	416670.815	4586173.118	28.390	cam	2320	416601.583	4586136.696	27.342	cun	2395	416569.071	4586150.713	27.767	ct	2469	416613.369	4586139.267	31.007	muro
2172	416672.335	4586168.557	28.206	cam	2321	416600.183	4586139.773	27.342	cun	2396	416568.940	4586149.637	28.988	ct	2470	416614.625	4586138.882	31.238	ct
2173	416673.028	4586167.647	28.210	cam	2322	416600.115	4586140.740	27.340	ct	2397	416569.089	4586149.250	29.078	cam	2471	416613.968	4586137.181	31.068	ct
2174	416677.901	4586170.374	28.145	cam	2323	416599.343	4586143.781	27.520	ct	2398	416561.420	4586147.580	29.163	cam	2472	416615.201	4586137.660	30.978	bord
2175	416681.059	4586167.356	28.132	cam	2324	416604.899	4586121.119	27.701	ct	2399	416561.238	4586148.053	29.053	ct	2473	416615.787	4586137.882	31.132	calz
2176	416675.515	4586162.965	28.079	cam	2325	416604.139	4586120.972	27.781	ct	2400	416561.171	4586149.021	27.811	ct	2474	416616.002	4586129.113	31.254	farola
2177	416673.747	4586161.286	28.053	cam	2326	416603.590	4586120.703	27.713	ct	2401	416561.404	4586144.394	29.163	cam	2475	416615.691	4586128.261	31.044	ct
2178	416673.296	4586159.858	28.004	cam	2327	416599.894	4586120.445	27.507	rell	2402	416561.612	4586143.290	29.174	ct	2476	416617.221	4586128.699	31.094	ct
2179	416673.643	4586154.819	27.982	cam	2328	416602.944	4586129.560	27.888	ct	2403	416561.462	4586142.501	27.376	ct	2477	416617.448	4586128.785	30.949	bord
2180	416673.132	4586150.152	27.956	cam	2329	416602.102	4586129.311	28.041	ct	2404	416566.716	4586144.288	29.011	ct	2478	416617.992	4586128.827	31.076	calz
2181	416674.761	4586141.550	27.872	cam	2330	416601.465	4586129.169	27.680	ct	2405	416566.586	4586145.173	29.126	cam	2479	416619.480	4586122.836	31.040	calz
2182	416676.688	4586132.395	27.903	cam	2331	416599.442	4586137.360	28.067	ct	2406	416568.936	4586145.313	29.076	cam	2480	416618.895	4586122.847	30.864	bord
2183	416670.438	4586129.933	27.924	cam	2332	416597.906	4586137.748	28.047	ct	2407	416568.893	4586144.511	28.907	ct	2481	416618.692	4586122.847	31.106	ct
2184	416669.472	4586129.756	28.208	ct	2333	416596.456	4586137.654	27.537	ct	2408	416571.022	4586142.822	28.862	ct	2482	416616.802	4586122.635	30.991	ct
2185	416666.833	4586138.319	27.981	ct	2334	416597.909	4586142.610	28.427	ct	2409	416571.972	4586143.809	28.785	cam	2483	416656.523	4586176.587	28.260	cam
2186	416667.323	4586138.564	27.921	cam	2335	416596.667	4586142.310	28.540	ct	2410	416573.143	4586141.364	28.594	cam	2484	416669.032	4586176.360	28.290	cam
2187	416665.008	4586145.636	27.670	cam	2336	416595.041	4586147.802	28.290	ct	2411	416572.334	4586141.023	28.745	ct	2485	416664.050	4586186.567	28.230	cam
2188	416664.114	4586145.680	27.755	ct	2337	416594.414	4586147.021	28.287	ct	2412	416578.080	4586115.708	27.267	ct	2486	416663.256	4586169.934	28.310	arqueton
2189	416663.394	4586146.326	27.721	ct	2338	416593.099	4586145.203	27.575	ct	2413	416577.025	4586115.256	27.306	rell	2487	416665.095	4586170.501	28.260	arqueton
2190	416664.557	4586147.179	27.628	cam	2339	416582.065	4586143.194	27.709	ct	2414	416575.097	4586125.471	27.334	rell	2488	416665.529	4586168.362	28.230	arqueton
2191	416663.072	4586148.252	27.521	cam	2340	416580.644	4586140.321	27.378	ct	2415	416576.067	4586125.579	27.296	ct	2489	416663.734	4586168.076	28.240	arqueton
2192	416660.195	4586149.102	27.488	cam	2342	416581.621	4586133.464	27.490	ct	2416	416574.074	4586133.251	27.278	ct	2490	416664.475	4586169.279	28.650	pozzan
2193	416657.343	4586149.382	27.456	cam	2343	416584.417	4586117.027	27.552	ct	2417	416573.105	4586133.147	27.290	rell	2491	416653.216	4586187.280	28.060	cam
2194	416678.138	4586131.623	28.827	ct	2344	416583.601	4586116.542	28.048	ct	2418	416571.265	4586138.809	27.351	ct	2492	416595.510	4586153.029	28.680	cam
2195	416682.828	4586132.603	28.709	rell	2345	416582.674	4586116.433	28.037	cam	2419	416570.707	4586138.474	27.320	rell	2493	416562.991	4586135.932	27.340	rell
2196	416675.345	4586142.876	28.583	ct	2346	416580.622	4586115.947	28.014	cam	2420	416568.317	4586141.059	27.348	rell	2494	416565.577	4586125.953	27.350	rell
2197	416681.241	4586144.238	28.536	rell	2347	416579.473	4586115.804	28.063	ct	2421	416568.436	4586142.319	27.515	ct	2495	416569.012	4586114.783	27.290	rell
2198	416681.000	4586153.494	28.296	rell	2348	416577.668	4586123.998	28.054	ct	2422	416566.148	4586143.212	27.491	ct	2496	416612.967	4586138.909	30.880	muro
2199	416673.908	4586148.131	28.449	ct	2349	416578.389	4586124.224	28.169	ct	2423	416566.099	4586142.091	27.326	rell	2497	416607.576	4586133.969	28.000	muro
2200	416674.300	4586151.991	28.510	ct	2350	416578.827	4586124.333	28.082	cam	2424	416603.381	4586149.333	27.980	ct	249				

2520	416656.266	4586148.544	27.420	muro
2521	416653.984	4586154.904	27.460	muro
2522	416653.615	4586155.976	27.460	muro
2523	416658.536	4586160.379	27.720	muro
2524	416665.057	4586170.437	28.650	arqueton
2525	416665.470	4586168.403	28.650	arqueton
2526	416663.771	4586168.132	28.650	arqueton
2527	416663.316	4586169.900	28.650	arqueton

Actuación B - Marco Ramal 4 P.K. 4+960

184	416667.844	4585900.293	36.881	base	1654	416645.303	4585811.995	30.522	ct	1728	416666.331	4585866.564	36.585	bord	1802	416640.020	4585894.195	26.165	ct
185	416688.455	4585820.217	36.747	base	1655	416641.253	4585814.624	30.411	arqueton	1729	416667.216	4585874.772	36.608	bord	1803	416638.257	4585891.612	26.127	ct
1582	416694.912	4585817.866	36.828	bord	1656	416639.993	4585814.399	30.392	arqueton	1730	416667.035	4585874.717	36.743	ct	1804	416638.883	4585884.794	26.280	ct
1583	416694.441	4585815.845	37.074	ct	1657	416638.688	4585814.592	30.361	arqueton	1731	416664.780	4585875.018	36.569	ct	1805	416641.037	4585884.909	26.045	ct
1584	416693.571	4585811.992	36.988	ct	1658	416639.071	4585816.884	30.397	arqueton	1732	416665.757	4585883.600	36.613	ct	1806	416642.183	4585884.731	25.476	cun
1585	416687.340	4585815.830	36.823	ct	1659	416642.757	4585816.636	30.409	arqueton	1733	416668.428	4585883.255	36.808	ct	1807	416644.221	4585885.059	25.447	cun
1586	416688.597	4585818.816	36.928	ct	1660	416641.852	4585816.498	30.397	pozsan	1734	416668.579	4585883.271	36.707	bord	1808	416643.828	4585875.100	25.553	cun
1587	416689.385	4585820.508	36.762	bord	1661	416639.384	4585815.219	30.380	pozsan	1735	416667.652	4585885.666	36.930	farola	1809	416641.729	4585875.261	25.442	cun
1588	416684.597	4585823.373	36.736	bord	1662	416635.610	4585816.382	30.453	ct	1736	416669.051	4585893.497	36.775	bord	1810	416640.691	4585875.475	26.071	ct
1589	416684.485	4585823.281	36.856	ct	1663	416628.771	4585818.623	30.639	ct	1737	416668.891	4585893.383	36.828	ct	1811	416638.029	4585875.379	26.112	ct
1590	416682.655	4585822.278	36.731	ct	1664	416621.113	4585820.150	31.015	ct	1738	416666.647	4585893.449	36.784	ct	1812	416633.984	4585867.666	26.199	ct
1591	416682.136	4585824.486	36.871	farola	1665	416619.888	4585820.765	31.077	ct	1739	416666.795	4585899.155	36.734	ct	1813	416635.634	4585865.465	25.976	ct
1592	416681.230	4585827.409	36.672	bord	1666	416629.612	4585821.385	30.825	ct	1740	416667.277	4585899.545	36.762	ct	1814	416636.076	4585864.457	25.353	cun
1593	416681.116	4585827.289	36.795	ct	1667	416631.168	4585819.766	30.698	rell	1741	416668.417	4585898.615	36.862	ct	1815	416637.807	4585862.951	25.355	cun
1594	416679.698	4585825.812	36.679	ct	1668	416643.856	4585823.268	30.743	ct	1742	416668.574	4585898.700	36.789	bord	1816	416632.876	4585857.433	25.328	cun
1595	416675.058	4585829.924	36.514	ct	1669	416643.559	4585819.043	30.632	rell	1743	416667.348	4585899.769	36.641	bord	1817	416629.845	4585858.428	25.358	cun
1596	416676.238	4585831.653	36.686	ct	1670	416651.343	4585814.117	30.532	rell	1744	416666.413	4585899.534	36.504	bord	1818	416627.033	4585853.076	25.478	cun
1597	416676.366	4585831.786	36.609	bord	1671	416652.788	4585818.838	30.475	rell	1745	416666.350	4585899.784	36.538	bord	1819	416626.893	4585852.865	25.617	muro
1598	416668.397	4585835.521	36.318	bord	1672	416652.287	4585824.835	30.795	ct	1746	416667.903	4585900.196	36.744	bord	1820	416627.687	4585850.446	25.339	muro
1599	416667.124	4585834.991	36.217	bord	1673	416660.034	4585824.052	30.729	ct	1747	416668.270	4585900.806	36.760	bord	1821	416630.085	4585851.184	25.235	muro
1600	416666.602	4585833.701	35.988	bord	1674	416666.338	4585822.068	30.828	ct	1748	416666.312	4585899.991	36.636	ct	1822	416629.604	4585852.659	25.761	muro
1601	416667.071	4585833.807	36.214	ct	1675	416673.269	4585817.510	30.875	ct	1749	416667.887	4585900.362	36.857	ct	1823	416630.949	4585853.660	25.468	bord
1602	416666.406	4585833.921	36.061	bord	1676	416679.065	4585809.856	30.882	ct	1750	416668.086	4585900.775	36.878	ct	1824	416628.903	4585851.282	25.222	rell
1603	416666.216	4585833.926	36.138	ct	1677	416683.388	4585804.622	30.728	ct	1751	416667.078	4585905.890	36.765	bord	1825	416631.750	4585861.244	25.811	ct
1604	416666.888	4585835.172	36.220	bord	1678	416689.461	4585801.282	30.666	ct	1752	416666.884	4585905.749	36.815	ct	1826	416628.986	4585861.749	25.980	ct
1605	416666.381	4585835.943	36.216	bord	1679	416695.121	4585799.262	30.620	ct	1753	416665.182	4585905.650	36.658	ct	1827	416621.891	4585856.447	26.460	ct
1606	416666.397	4585835.777	36.283	ct	1680	416690.731	4585791.905	30.479	rell	1754	416665.781	4585861.468	29.448	bord	1828	416623.470	4585854.095	26.427	ct
1607	416665.728	4585834.464	36.216	ct	1681	416684.994	4585784.579	30.633	rell	1755	416605.797	4585861.278	29.536	ct	1829	416623.674	4585853.720	26.001	cun
1608	416659.599	4585836.171	35.721	bord	1682	416676.492	4585791.939	30.588	rell	1756	416609.039	4585855.272	29.493	ct	1830	416623.818	4585853.479	26.012	cun
1609	416659.658	4585835.938	35.807	ct	1683	416679.384	4585800.606	30.632	rell	1757	416620.088	4585861.992	29.584	ct	1831	416626.328	4585854.788	25.953	cun
1610	416659.884	4585834.331	35.723	ct	1684	416670.265	4585811.318	30.670	rell	1758	416619.338	4585864.458	29.494	ct	1832	416626.445	4585854.014	25.978	cun
1611	416655.706	4585832.674	35.398	arqueton	1685	416664.932	4585807.367	30.660	rell	1759	416618.199	4585866.971	29.494	ct	1833	416612.418	4585851.215	26.522	ct
1612	416655.493	4585833.489	35.480	arqueton	1686	416656.021	4585811.164	30.605	rell	1760	416613.362	4585864.579	29.521	ct	1834	416613.228	4585849.536	26.459	ct
1613	416656.308	4585833.760	35.492	arqueton	1687	416662.030	4585816.355	30.731	rell	1761	416613.311	4585864.758	29.438	bord	1835	416613.488	4585849.179	26.169	cun
1614	416656.524	4585832.894	35.416	arqueton	1688	416608.695	4585836.324	30.949	bord	1762	416618.018	4585867.070	29.425	bord	1836	416613.655	4585848.835	26.188	cun
1615	416654.861	4585832.780	35.054	ct	1689	416608.664	4585836.447	31.108	ct	1763	416618.308	4585867.070	29.435	bord	1837	416613.891	4585848.468	26.473	ct
1616	416653.927	4585834.732	35.283	ct	1690	416608.776	4585838.109	31.069	ct	1764	416621.723	4585861.910	29.214	bord	1838	416615.477	4585846.840	26.624	ct
1617	416653.899	4585834.933	35.202	bord	1691	416620.974	4585839.379	32.206	ct	1765	416621.935	4585862.009	29.200	bord	1839	416623.436	4585848.454	26.864	ct
1618	416645.588	4585831.996	34.440	bord	1692	416621.111	4585838.304	32.381	ct	1766	416621.628	4585862.706	29.361	ct	1840	416621.965	4585852.099	26.399	ct
1619	416645.670	4585831.829	34.565	ct	1693	416621.254	4585838.082	32.280	bord	1767	416621.998	4585863.303	29.530	ct	1841	416627.126	4585850.721	26.869	ct
1620	416646.569	4585829.805	34.239	ct	1694	416634.332	4585839.812	33.622	bord	1768	416618.515	4585867.160	29.565	bord	1842	416625.576	4585853.393	26.400	ct
1621	416637.234	4585827.112	33.395	ct	1695	416634.250	4585840.019	33.704	ct	1769	416618.549	4585867.372	29.554	bord	1843	416626.760	4585855.021	25.300	CUN
1622	416636.576	4585828.605	33.604	ct	1696	416634.206	4585841.298	33.691	ct	1770	416618.665	4585867.197	29.595	ct	1844	416629.621	4585852.656	26.220	muro
1623	416636.603	4585828.786	33.530	bord	1697	416640.242	4585842.707	34.282	ct	1771	416623.237	4585870.941	29.448	bord	1845	416630.092	4585851.181	27.420	muro
1624	416627.491	4585825.789	32.606	bord	1698	416640.470	4585841.014	34.284	ct	1772	416623.368	4585870.828	29.489	ct	1846	416627.681	4585850.433	27.420	muro
1625	416627.549	4585825.677	32.738	ct	1699	416640.428	4585840.710	34.283	bord	1773	416627.200	4585868.007	29.467	ct	1847	416626.855	4585852.855	26.220	muro
1626	416628.004	4585824.345	32.518	ct	1700	416648.831	4585843.620	35.002	bord	1774	416630.510	4585873.535	29.343	ct	1848	416650.627	4585847.064	35.460	arqueton
1627	416619.271	4585821.799	31.745	ct	1701	416648.840	4585843.797	35.173	ct	1775	416627.228	4585875.607	29.408	ct					
1628	416618.824	4585822.841	31.832	ct	1702	416647.995	4585845.566	35.027	ct	1776	416627.044	4585875.682	29.312	bord					
1629	416618.668	4585823.024	31.702	bord	1703	416651.758	4585846.560	35.448	arqueton	1777	416629.704	4585881.019	29.267	bord					
1630	416614.971	4585820.649	31.144	ct	1704	416651.449	4585847.355	35.461	arqueton	1778	416629.827	4585880.883	29.335	ct					
1631	416610.509	4585820.588	30.871	bord	1705	416650.936	4585846.269	35.483	arqueton	1779	416632.935	4585880.626	29.193	ct					
1632	416610.110	4585820.042	30.772	bord	1706	416656.116	4585849.816	35.844	ct	1780	416632.568	4585884.252	29.226	ct					
1633	416610.597	4585819.532	30.768	bord	1707	416657.402	4585848.606	35.993	ct	1781	416630.961	4585884.56							

Actuación B – Estructura existente en B-24 Ramal 0

174	416528.752	4585341.513	36.821	base	1858	416491.773	4585323.168	37.972	calz	1938	416497.499	4585310.520	28.309	pozsan	3609	416375.914	4585314.331	29.890	rell
175	416286.337	4585219.453	45.970	base	1859	416493.858	4585324.201	37.897	bord	1939	416505.652	4585314.897	28.157	rell	3610	416449.558	4585333.790	38.935	estribo
1784	416271.418	4585215.816	46.504	lb	1860	416497.087	4585324.427	37.837	farola	1940	416513.402	4585320.383	27.979	pozsan	3611	416450.472	4585331.563	37.431	estribo
1785	416272.446	4585212.929	46.621	calz	1861	416505.826	4585328.361	37.496	arqal	1941	416516.635	4585316.869	28.167	muro	3612	416452.373	4585326.221	37.402	estribo
1786	416272.560	4585212.536	46.310	cun	1862	416506.872	4585330.126	37.550	pozsan	1942	416529.414	4585323.025	27.809	muro	3613	416452.901	4585327.339	37.934	estribo
1787	416272.930	4585211.456	46.198	cun	1863	416507.257	4585329.048	37.468	ct	1943	416528.177	4585326.725	27.832	rell	3614	416454.285	4585320.974	37.504	estribo
1788	416273.904	4585212.425	46.153	sum	1864	416506.601	4585330.634	37.423	bord	1944	416541.531	4585331.909	27.744	rell	3615	416454.299	4585320.968	37.657	estribo
1790	416273.244	4585209.968	46.717	ct	1865	416506.557	4585330.785	37.458	calz	1945	416543.833	4585330.123	27.770	pozsan	3616	416456.187	4585315.785	37.651	estribo
1791	416274.076	4585207.380	46.574	ct	1866	416520.963	4585336.082	36.999	ct	1946	416539.379	4585326.566	28.029	muro	3617	416456.182	4585315.782	37.599	estribo
1792	416277.583	4585202.052	50.835	ct	1867	416520.183	4585337.273	36.988	bord	1947	416546.002	4585328.672	27.835	muro	3618	416458.100	4585310.528	37.600	estribo
1793	416281.368	4585205.997	48.685	ct	1868	416520.108	4585337.421	37.026	calz	1948	416549.346	4585333.892	27.632	pozsan	3619	416458.096	4585310.527	37.515	estribo
1794	416284.534	4585208.139	47.279	ct	1869	416533.676	4585343.685	36.631	calz	1949	416554.774	4585329.859	27.683	muro	3620	416460.010	4585305.281	37.517	estribo
1795	416285.682	4585212.008	46.163	ct	1870	416533.834	4585343.511	36.603	bord	1950	416563.344	4585331.079	27.668	muro	3621	416460.006	4585305.284	37.416	estribo
1796	416280.452	4585210.237	46.372	ct	1871	416534.606	4585342.359	36.656	ct	1951	416567.698	4585335.933	27.546	rell	3622	416461.925	4585300.030	37.412	estribo
1797	416278.613	4585212.829	46.369	ct	1872	416536.653	4585343.473	36.597	arqal	1952	416577.098	4585329.280	27.630	muro	3623	416462.733	4585300.493	39.116	estribo
1798	416284.486	4585215.834	45.999	ct	1873	416537.063	4585343.616	36.639	farola	1953	416585.035	4585328.243	27.544	muro	3658	416442.677	4585292.596	29.097	bord
1799	416286.357	4585212.105	46.120	muro	1874	416550.980	4585349.822	36.308	pozsan	1954	416585.845	4585335.060	27.483	rell	3659	416439.835	4585291.558	29.048	bord
1800	416290.364	4585214.090	45.867	muro	1875	416550.104	4585348.393	36.211	ct	1955	416592.504	4585335.452	27.524	pozsan	3660	416439.190	4585291.649	29.072	bord
1801	416287.730	4585218.826	45.841	muro	1876	416549.517	4585349.926	36.193	bord	1956	416595.740	4585326.233	27.589	rell	3661	416438.485	4585292.417	29.120	bord
1802	416285.656	4585217.799	45.845	muro	1877	416549.405	4585350.092	36.230	calz	1957	416595.744	4585326.213	27.583	muro	3662	416434.062	4585304.316	29.193	bord
1803	416285.366	4585218.350	45.952	muro	1878	416563.224	4585354.672	35.795	calz	1958	416596.450	4585334.840	27.364	rell	3663	416436.892	4585307.614	29.465	acera
1804	416287.377	4585219.353	45.947	muro	1879	416563.157	4585354.443	35.754	bord	2258	416570.077	4585340.839	27.892	muro	3664	416442.074	4585293.635	29.354	acera
1805	416287.556	4585219.469	45.930	acera	1880	416563.896	4585352.881	35.742	ct	2259	416568.027	4585340.843	27.913	muro	3665	416442.460	4585292.699	29.240	acera
1806	416286.919	4585219.547	45.948	cam	1881	416567.885	4585355.157	35.795	pozsan	2284	416566.506	4585340.854	28.650	muro	3666	416439.570	4585298.080	29.400	rell
1807	416285.225	4585222.619	45.907	lb	1882	416574.470	4585356.237	35.465	arqal	2305	416479.241	4585297.574	28.709	rell	3667	416437.644	4585303.303	29.432	rell
1808	416287.889	4585218.919	46.088	muro	1883	416574.895	4585356.276	35.553	farola	2306	416463.599	4585296.605	28.672	rell	3668	416435.688	4585308.548	29.461	rell
1809	416305.670	4585227.824	45.093	muro	1884	416579.606	4585358.719	35.355	calz	2307	416501.997	4585316.227	28.104	rell	3669	416433.758	4585313.758	29.501	rell
1810	416305.333	4585228.321	44.980	calz	1885	416579.549	4585358.532	35.282	bord	2309	416494.805	4585315.880	33.719	muro	3670	416431.817	4585319.040	29.535	rell
1811	416303.610	4585231.752	45.045	lb	1886	416580.328	4585357.032	35.306	ct	2310	416493.407	4585315.199	34.476	muro	3671	416449.218	4585333.760	29.221	rell
1812	416321.551	4585235.783	44.467	muro	1887	416595.908	4585358.541	34.743	ct	2311	416477.608	4585307.514	34.536	muro	3672	416451.472	4585327.425	30.366	rell
1813	416321.390	4585236.366	44.327	calz	1888	416595.689	4585361.188	34.904	bord	2312	416475.911	4585306.712	35.306	muro	3673	416453.564	4585321.597	30.500	rell
1814	416319.581	4585239.744	44.407	lb	1889	416595.651	4585361.271	34.957	calz	2313	416476.671	4585307.066	34.912	muro	3674	416458.035	4585309.208	30.401	rell
1815	416337.951	4585248.974	43.736	lb	1890	416596.026	4585352.392	30.998	ct	2314	416470.769	4585304.197	35.317	muro	3675	416460.917	4585300.925	29.196	rell
1816	416339.730	4585245.556	43.659	calz	1891	416588.514	4585350.647	30.542	ct	2315	416469.811	4585303.723	35.758	muro	3676	416461.580	4585299.556	28.626	rell
1817	416340.060	4585245.067	43.792	muro	1892	416583.904	4585349.716	30.280	ct	2317	416461.988	4585299.978	28.536	muro	3677	416427.633	4585304.699	29.135	bord
1818	416359.141	4585254.593	43.064	muro	1893	416589.918	4585349.774	30.387	ct	2318	416475.341	4585306.405	28.330	muro	3678	416431.368	4585294.569	29.081	bord
1819	416358.748	4585255.074	42.977	calz	1894	416595.041	4585349.141	30.623	ct	2320	416563.531	4585340.592	28.688	muro	3679	416435.089	4585284.498	29.032	bord
1820	416356.909	4585258.454	43.029	lb	1895	416593.290	4585343.378	27.609	ct	2321	416561.983	4585340.414	29.454	muro	3680	416437.971	4585276.643	29.002	bord
1821	416371.752	4585261.586	42.499	acera	1896	416592.726	4585340.853	27.290	cam	2322	416554.744	4585339.393	30.143	muro	3681	416443.651	4585278.455	28.996	bord
1822	416370.561	4585264.210	42.558	acera	1897	416582.544	4585340.712	27.357	cam	2323	416553.068	4585339.098	30.896	muro	3683	416436.111	4585275.812	29.027	bord
1823	416379.254	4585264.677	42.364	muro	1898	416583.471	4585344.172	27.523	ct	2324	416547.246	4585337.899	30.858	muro	3684	416433.824	4585282.004	29.082	bord
1824	416378.894	4585265.186	42.229	calz	1899	416573.371	4585340.212	27.406	cam	2325	416545.737	4585337.508	31.613	muro	3685	416430.127	4585292.010	29.151	bord
1825	416377.064	4585268.542	42.320	lb	1900	416573.581	4585341.752	27.560	ct	2326	416539.752	4585336.017	31.715	muro	3686	416426.130	4585302.836	29.216	bord
1826	416394.685	4585277.366	41.635	lb	1901	416573.241	4585340.310	27.432	arq	2327	416538.444	4585335.617	32.356	muro	3708	416419.994	4585304.222	29.374	lb
1827	416396.511	4585273.962	41.579	calz	1902	416573.100	4585341.207	27.568	arq	2328	416532.820	4585333.689	32.306	muro	3709	416418.803	4585303.769	29.381	lb
1828	416396.905	4585273.503	41.683	muro	1903	416571.754	4585340.996	27.583	arq	2329	416531.358	4585333.162	33.038	muro	3710	416421.328	4585297.980	29.324	lb
1829	416415.328	4585282.716	40.990	muro	1904	416571.895	4585340.099	27.430	arq	2330	416512.286	4585324.568	33.004	muro	3711	416421.590	4585298.016	29.326	lb
1830	416415.096	4585283.262	40.881	calz	1905	416570.097	4585340.779	27.532	muro	2331	416510.949	4585323.913	33.727	muro	3712	416424.304	4585290.263	29.281	lb
1831	416413.245	4585286.649	40.964	lb	1907	416568.584	4585339.446	27.359	cam	2336	416574.608	4585331.228	27.623	rell	3713	416428.564	4585278.785	29.202	lb
1832	416430.849	4585295.495	40.319	lb	1908	416555.566	4585338.262	27.513	cam	2337	416577.247	4585338.267	27.430	rell	3714	416430.684	4585273.053	29.162	lb
1833	416432.725	4585292.095	40.207	calz	1909	416554.761	4585339.342	27.466	muro	2340	416559.576	4585338.302	27.492	rell	3715	416424.892	4585269.685	28.972	lb
1834	416433.050	4585291.603	40.369	muro	1910	416540.223	4585334.644	27.701	cam	2341	416572.966	4585339.108	27.388	rell	3716	416423.788	4585269.179	28.908	calz
1835	416450.799	4585300.460	39.709	muro	1911	416539.492	4585334.318	27.643	muro</										

3739	416419.703	4585269.088	28.976	cam	3829	416386.595	4585267.079	29.904	rell	3942	416338.150	4585246.417	32.145	rell
3740	416421.625	4585269.300	29.002	cam	3830	416384.996	4585270.701	30.807	rell	3943	416341.222	4585242.594	32.361	rell
3741	416422.844	4585267.292	28.883	cam	3831	416383.574	4585274.878	30.927	rell	3944	416342.904	4585239.643	32.271	rell
3742	416425.921	4585306.258	29.317	semaf	3832	416382.670	4585277.890	30.135	rell	3945	416348.508	4585232.161	32.405	rell
3743	416405.316	4585296.902	29.799	rell	3833	416382.307	4585279.146	29.723	rell	3946	416350.995	4585234.171	31.992	rell
3744	416401.928	4585295.878	30.086	rell	3834	416381.470	4585281.894	29.721	rell	3947	416338.609	4585227.836	32.903	rell
3745	416398.659	4585294.291	29.908	rell	3835	416385.210	4585282.987	29.654	rell	3948	416336.700	4585233.236	32.805	rell
3746	416396.432	4585293.420	29.561	rell	3836	416386.491	4585280.067	29.700	rell	3949	416335.388	4585235.633	32.679	rell
3747	416391.795	4585291.559	29.537	rell	3837	416387.559	4585276.635	30.787	rell	3950	416332.901	4585239.518	32.686	rell
3748	416384.075	4585295.152	30.202	rell	3838	416388.382	4585274.376	30.925	rell	3951	416330.739	4585243.416	32.403	rell
3749	416386.336	4585289.921	29.791	rell	3839	416389.249	4585272.116	30.735	rell	3952	416327.810	4585248.524	32.347	rell
3750	416388.361	4585285.091	30.156	rell	3840	416390.905	4585269.134	29.861	rell	3953	416325.426	4585253.389	32.126	rell
3751	416393.850	4585287.051	29.520	rell	3841	416393.892	4585266.344	29.167	rell	3954	416323.921	4585256.169	31.660	rell
3752	416403.302	4585289.879	29.519	rell	3842	416395.671	4585263.453	29.080	rell	3955	416322.602	4585258.179	31.668	rell
3753	416406.486	4585290.909	29.532	rell	3861	416372.578	4585251.261	29.539	rell	3956	416319.580	4585262.964	31.587	rell
3754	416407.680	4585285.156	30.022	rell	3862	416371.565	4585255.785	29.657	rell	3957	416318.984	4585259.094	31.924	ct
3755	416400.876	4585284.424	29.540	rell	3863	416369.479	4585259.883	30.726	rell	3958	416323.804	4585249.387	32.456	ct
3756	416396.668	4585282.258	29.501	rell	3864	416367.650	4585263.518	31.923	rell	3959	416329.825	4585238.968	32.958	ct
3757	416393.671	4585281.122	30.385	rell	3865	416365.752	4585267.342	31.809	rell	3960	416331.369	4585230.047	33.802	ct
3758	416390.698	4585279.892	30.517	rell	3866	416363.365	4585272.146	30.991	rell	3980	416310.597	4585253.402	35.287	ct
3759	416392.674	4585274.772	30.298	rell	3867	416362.366	4585274.535	30.142	rell	3981	416309.636	4585252.884	35.353	ct
3760	416396.733	4585277.116	29.979	rell	3868	416361.287	4585276.856	30.155	rell	3982	416312.754	4585247.448	35.158	ct
3761	416398.455	4585278.120	29.415	rell	3869	416355.957	4585275.446	30.355	rell	3983	416313.736	4585247.770	35.358	ct
3762	416400.819	4585278.977	29.375	rell	3870	416357.092	4585272.964	30.395	rell	3984	416318.366	4585239.316	35.573	ct
3763	416403.793	4585280.310	29.746	rell	3871	416359.689	4585269.370	31.406	rell	3985	416316.960	4585238.433	35.200	ct
3764	416407.301	4585281.778	30.044	rell	3872	416360.606	4585265.961	32.041	rell	3986	416324.030	4585225.199	34.950	ct
3765	416411.311	4585278.735	29.618	rell	3873	416362.926	4585261.834	32.073	rell	3987	416326.006	4585225.755	34.916	ct
3766	416413.063	4585274.670	29.145	rell	3874	416363.815	4585258.610	31.117	rell	3988	416328.427	4585219.912	34.976	ct
3767	416407.879	4585271.609	29.141	rell	3875	416366.264	4585252.986	29.841	rell	3989	416327.152	4585219.540	35.011	ct
3768	416405.754	4585275.210	29.327	rell	3876	416367.426	4585248.845	29.828	rell	3990	416322.167	4585216.831	35.106	cam
3769	416400.677	4585273.185	29.255	rell	3877	416364.839	4585248.049	29.954	rell	3991	416319.450	4585215.241	35.246	alamb
3770	416402.351	4585268.314	29.140	rell	3878	416363.063	4585251.306	29.916	rell	3992	416311.808	4585229.437	35.415	alamb
3771	416402.360	4585268.311	29.140	rell	3879	416361.325	4585255.089	30.800	rell	3993	416313.985	4585230.620	35.321	cam
3772	416397.603	4585266.196	29.049	rell	3880	416359.612	4585258.541	31.343	rell	3994	416304.699	4585249.074	35.472	cam
3773	416395.185	4585269.264	29.533	rell	3881	416356.964	4585262.917	31.467	rell	3995	416301.321	4585249.901	35.459	alamb
3787	416395.214	4585285.443	29.515	rell	3882	416354.995	4585266.049	31.190	rell	4021	416290.403	4585214.076	45.936	estribo
3788	416388.569	4585282.462	29.576	rell	3883	416353.267	4585268.588	30.548	rell	4022	416291.095	4585214.448	44.155	estribo
3789	416383.071	4585280.704	29.684	rell	3884	416351.585	4585270.812	30.509	rell	4023	416289.435	4585217.591	44.151	estribo
3790	416379.351	4585283.347	30.052	rell	3885	416349.053	4585268.417	30.780	rell	4024	416285.823	4585224.183	44.102	estribo
3791	416383.588	4585284.633	30.232	rell	3886	416351.210	4585265.254	30.695	rell	4025	416285.824	4585224.183	44.041	estribo
3792	416383.066	4585286.825	30.453	rell	3887	416352.366	4585262.399	31.549	rell	4026	416283.160	4585229.041	44.039	estribo
3793	416378.785	4585286.835	30.338	rell	3888	416354.185	4585259.442	32.022	rell	4027	416280.489	4585233.882	43.870	estribo
3794	416375.595	4585284.344	29.871	rell	3889	416356.227	4585256.474	31.750	rell	4028	416275.078	4585243.704	43.779	estribo
3795	416373.151	4585283.287	30.497	rell	3890	416358.415	4585252.403	30.654	rell	4029	416274.322	4585243.330	44.732	estribo
3796	416369.730	4585282.007	30.940	rell	3891	416359.736	4585249.561	30.063	rell	4030	416275.692	4585248.760	38.579	cam
3797	416362.789	4585284.175	31.046	rell	3892	416361.233	4585245.001	29.913	rell	4031	416278.655	4585250.397	38.354	cam
3798	416363.876	4585281.968	31.354	rell	3893	416355.506	4585242.024	30.337	rell	4032	416301.108	4585206.720	41.071	cam
3799	416365.047	4585279.423	30.839	rell	3894	416354.443	4585246.543	30.375	rell	4033	416298.224	4585204.856	41.274	cam
3800	416373.348	4585278.959	29.890	rell	3895	416353.558	4585249.570	30.876	rell	4034	416293.305	4585214.012	40.021	cam
3801	416374.108	4585277.013	29.883	rell	3896	416351.516	4585254.112	31.716	rell	4035	416295.726	4585216.395	39.775	cam
3802	416370.076	4585275.777	30.071	rell	3897	416349.952	4585257.073	31.828	rell	4036	416297.642	4585201.564	43.508	ct
3803	416367.587	4585277.859	30.087	rell	3898	416348.716	4585258.765	31.354	rell	4037	416294.362	4585203.885	44.127	ct
3804	416364.050	4585277.744	30.223	rell	3899	416346.213	4585263.638	30.795	rell	4038	416292.060	4585207.853	44.231	ct
3805	416365.610	4585275.029	30.113	rell	3900	416343.706	4585269.067	31.838	rell	4039	416292.049	4585207.856	44.231	ct
3806	416367.694	4585274.268	30.498	rell	3901	416342.168	4585274.279	31.283	rell	4040	416287.610	4585212.671	44.926	ct
3807	416367.960	4585271.545	31.244	rell	3920	416339.289	4585266.944	31.346	rell	4043	416524.118	4585330.284	33.030	muro
3808	416369.490	4585269.125	31.694	rell	3921	416341.605	4585262.889	31.187	rell	4044	416531.377	4585333.113	27.570	muro
3809	416370.876	4585266.764	31.874	rell	3922	416343.537	4585260.211	30.798	rell	4045	416538.462	4585335.582	27.550	muro
3810	416371.982	4585264.281	31.535	rell	3923	416344.887	4585257.947	30.811	rell	4046	416539.780	4585335.982	27.540	muro
3811	416373.236	4585261.283	30.773	rell	3924	416346.428	4585255.583	31.719	rell	4047	416547.264	4585337.863	27.570	muro
3812	416374.890	4585257.936	29.764	rell	3925	416347.810	4585250.956	32.155	rell	4048	416461.914	4585300.017	28.570	muro
3813	416376.027	4585255.712	29.385	rell	3926	416349.596	4585246.094	31.343	rell	4049	416449.813	4585285.571	29.020	gas nat
3814	416377.439	4585253.573	29.334	rell	3927	416351.479	4585243.618	30.788	rell	4050	416461.503	4585301.122	29.200	muro
3815	416382.832	4585256.346	29.252	rell	3928	416352.775	4585238.296	31.195	rell	4051	416458.467	4585309.379	30.400	muro
3816	416381.359	4585259.601	29.326	rell	3929	416347.426	4585243.101	31.588	rell	4052	416453.985	4585321.713	30.500	muro
3817	416378.774	4585264.642	30.696	rell	3930	416345.944	4585244.477	31.931	rell	4053	416451.876	4585327.518	30.370	muro
3818	416377.619	4585267.857	31.310	rell	3931	416343.720	4585246.914	32.181	rell	4054	416449.542	4585333.775	29.220	muro
3819	416376.085	4585271.379	31.349	rell	3932	416342.069	4585249.794	32.076	rell	4055	416291.162	4585214.447	39.950	muro
3820	416374.923	4585274.703	30.592	rell	3933	416339.622	4585253.333	31.101	rell	4056	416275.112	4585243.734	38.730	muro
3821	416378.712	4585274.643	30.583	rell	3934	416337.966	4585255.583	31.040	rell					
3														

Actuación B – Estructura de la B-24 Ramal 0 sobre la A-2, el AVE y el río Llobregat.

176	416743.012	4585493.108	42.498	base	1069	416781.825	4585429.063	24.809	muro	1146	416783.235	4585486.997	32.270	calz	1330	416938.322	4585540.772	25.426	cun
177	416873.071	4585505.774	34.566	base	1070	416781.829	4585429.058	25.217	muro	1147	416780.687	4585494.212	32.224	arqal	1331	416938.489	4585540.826	25.705	cun
182	416971.718	4585492.152	25.624	base	1071	416781.300	4585428.322	24.818	ct	1148	416778.963	4585505.312	32.132	calz	1332	416939.122	4585541.146	26.028	ct
183	416938.914	4585584.363	26.441	base	1072	416784.631	4585419.000	24.971	ct	1149	416743.914	4585495.123	42.440	calz	1333	416942.868	4585535.694	25.921	ct
186	417072.291	4585737.284	27.872	base	1073	416787.863	4585410.149	24.936	ct	1150	416745.132	4585494.000	42.018	ct	1334	416942.423	4585535.394	25.747	cun
188	417229.557	4585696.612	30.779	base	1074	416779.498	4585408.461	24.751	rell	1151	416743.958	4585491.424	42.171	ct	1335	416942.294	4585535.308	25.460	cun
1001	416727.460	4585406.207	29.003	rell	1075	416776.378	4585418.547	24.669	rell	1152	416739.557	4585486.097	42.316	ct	1336	416941.888	4585535.029	25.425	cun
1002	416729.773	4585398.206	28.783	rell	1076	416773.727	4585428.221	24.813	rell	1153	416736.509	4585489.092	42.660	calz	1337	416941.763	4585534.879	25.715	cun
1003	416729.718	4585398.269	28.786	rell	1077	416770.656	4585438.417	24.865	rell	1154	416725.805	4585479.891	42.872	calz	1338	416941.529	4585534.798	25.781	alamb
1004	416724.992	4585406.533	29.303	rell	1078	416766.867	4585449.013	25.459	rell	1155	416727.950	4585475.976	42.453	ct	1339	416946.347	4585529.521	25.991	ct
1005	416724.963	4585406.504	29.305	rell	1079	416764.666	4585459.977	26.257	rell	1156	416718.621	4585468.378	42.429	ct	1340	416945.706	4585529.228	25.768	cun
1006	416730.870	4585411.387	28.494	rell	1080	416763.548	4585467.747	26.609	rell	1157	416715.708	4585471.160	42.872	calz	1341	416945.568	4585529.172	25.444	cun
1007	416722.166	4585417.474	29.269	rell	1081	416757.105	4585458.642	26.449	rell	1158	416703.486	4585460.780	42.515	calz	1342	416945.169	4585528.920	25.383	cun
1008	416713.683	4585415.592	30.244	rell	1082	416757.098	4585458.651	26.425	rell	1159	416705.152	4585457.820	42.261	ct	1343	416945.018	4585528.773	25.655	cun
1009	416706.981	4585421.446	30.278	rell	1083	416758.091	4585449.169	25.825	rell	1160	416694.425	4585448.587	41.645	ct	1344	416944.862	4585528.670	25.759	alamb
1010	416712.532	4585426.848	29.615	rell	1084	416760.008	4585439.024	24.992	rell	1161	416692.099	4585451.445	41.977	calz	1345	416947.416	4585522.145	25.743	alamb
1011	416697.776	4585429.857	30.578	ct	1085	416761.245	4585428.367	24.998	rell	1162	416681.016	4585442.793	41.302	calz	1346	416947.645	4585522.215	25.653	cun
1012	416704.899	4585433.944	30.073	ct	1086	416764.434	4585418.432	25.039	rell	1163	416681.027	4585442.796	41.306	calz	1347	416947.772	4585522.247	25.409	cun
1013	416713.224	4585438.373	29.249	ct	1087	416766.920	4585410.008	25.088	rell	1164	416682.062	4585439.929	41.040	ct	1348	416948.224	4585522.450	25.356	cun
1014	416713.066	4585435.195	29.272	ct	1088	416761.674	4585407.545	25.214	rell	1165	416669.975	4585430.006	40.176	ct	1349	416948.398	4585522.522	25.683	cun
1015	416716.309	4585431.972	29.009	ct	1089	416758.483	4585417.974	25.107	rell	1166	416667.845	4585432.867	40.559	calz	1350	416948.941	4585522.760	25.893	ct
1016	416723.642	4585426.680	28.868	ct	1090	416752.915	4585427.725	25.040	rell	1276	416939.498	4585594.353	26.540		1351	416954.797	4585507.646	25.839	ct
1017	416732.178	4585420.570	28.166	ct	1091	416748.360	4585437.975	25.228	rell	1277	416942.466	4585590.123	26.561		1352	416954.139	4585507.350	25.626	cun
1018	416736.892	4585415.558	28.087	ct	1092	416742.853	4585445.463	25.887	rell	1279	416910.363	4585626.569	26.389	alamb	1353	416953.971	4585507.306	25.328	cun
1019	416742.437	4585410.015	27.871	ct	1093	416742.852	4585445.464	25.908	rell	1280	416910.549	4585626.732	26.256	cun	1354	416953.541	4585507.112	25.304	cun
1020	416747.471	4585404.211	28.204	ct	1094	416734.563	4585440.608	25.959	rell	1281	416910.719	4585626.789	26.010	cun	1355	416953.389	4585507.001	25.592	cun
1021	416752.447	4585407.526	24.971	cun	1095	416740.986	4585430.761	25.410	rell	1282	416911.149	4585627.012	26.002	cun	1356	416953.236	4585506.975	25.622	alamb
1022	416752.447	4585407.528	24.973	cun	1096	416750.285	4585421.442	25.144	rell	1283	416911.295	4585627.094	26.292	cun	1357	416960.603	4585492.153	25.717	ct
1023	416753.498	4585408.796	24.886	cun	1097	416789.799	4585431.541	29.668	muro	1284	416911.809	4585627.359	26.501	ct	1358	416959.801	4585491.807	25.516	cun
1024	416754.010	4585408.916	25.241	ct	1098	416789.993	4585431.564	29.686	muro	1285	416916.793	4585614.099	26.480	ct	1359	416959.640	4585491.766	25.180	cun
1025	416748.490	4585414.501	25.215	ct	1100	416790.181	4585431.002	30.310	muro	1286	416915.979	4585613.990	26.159	cun	1360	416959.190	4585491.598	25.154	cun
1026	416747.955	4585414.194	24.922	cun	1101	416800.897	4585410.712	32.544	ct	1287	416915.804	4585613.967	25.863	cun	1361	416959.035	4585491.544	25.439	cun
1027	416746.678	4585412.650	25.153	cun	1102	416803.743	4585412.338	32.510	calz	1288	416915.356	4585613.764	25.868	cun	1362	416958.686	4585491.411	25.480	alamb
1028	416742.974	4585422.263	25.300	ct	1103	416803.748	4585412.336	32.516	calz	1289	416915.212	4585613.648	26.129	cun	1363	416963.398	4585483.406	25.502	ct
1029	416742.294	4585421.961	25.078	cun	1104	416799.645	4585423.033	32.574	calz	1290	416914.818	4585613.510	26.233	alamb	1364	416962.850	4585483.139	25.326	cun
1030	416740.830	4585420.677	25.230	cun	1105	416796.767	4585421.794	32.604	ct	1291	416922.510	4585597.664	26.350	ct	1365	416962.699	4585483.075	25.102	cun
1031	416736.686	4585427.123	25.414	ct	1106	416793.273	4585432.316	32.558	ct	1292	416921.703	4585597.379	26.026	cun	1366	416962.286	4585482.805	25.120	cun
1032	416735.963	4585426.386	25.008	cun	1107	416795.586	4585433.521	32.612	calz	1293	416921.571	4585597.238	25.708	cun	1367	416962.177	4585482.673	25.406	cun
1033	416735.975	4585426.386	25.008	cun	1108	416791.195	4585444.782	32.585	calz	1294	416921.101	4585597.048	25.691	cun	1368	416961.807	4585482.579	25.482	alamb
1034	416734.796	4585425.226	25.002	cun	1109	416789.258	4585443.845	32.632	ct	1295	416920.972	4585596.978	25.934	cun	1369	416961.809	4585482.579	25.449	alamb
1035	416726.794	4585431.272	25.135	cun	1110	416789.169	4585446.407	32.601	farola	1296	416920.623	4585596.846	26.037	alamb	1370	416965.901	4585479.201	25.401	ct
1036	416728.514	4585433.963	25.262	cun	1111	416786.878	4585440.857	30.347	muro	1297	416927.338	4585583.031	26.172	ct	1371	416965.470	4585478.783	25.311	cun
1037	416729.978	4585435.511	26.143	ct	1112	416786.552	4585440.614	29.638	muro	1298	416926.616	4585582.845	25.988	cun	1372	416965.295	4585478.719	25.049	cun
1038	416721.964	4585441.334	27.079	ct	1113	416785.047	4585453.450	32.541	ct	1299	416926.432	4585582.803	25.699	cun	1373	416964.948	4585478.359	25.037	cun
1039	416719.401	4585441.051	27.650	muro	1114	416787.268	4585454.692	32.591	calz	1300	416925.949	4585582.689	25.757	cun	1374	416964.836	4585478.230	25.334	cun
1040	416721.287	4585439.673	25.750	muro	1115	416782.758	4585465.341	32.650	calz	1301	416925.793	4585582.622	26.035	cun	1375	416964.190	4585477.442	25.298	alamb
1041	416719.559	4585440.537	25.277	cun	1116	416780.554	4585464.466	32.453	ct	1302	416925.525	4585582.587	26.045	alamb	1376	416966.563	4585474.283	25.434	alamb
1042	416717.752	4585438.629	25.469	cun	1117	416774.407	4585477.561	32.510	ct	1303	416932.524	4585567.860	26.165	ct	1377	416967.602	4585475.356	25.309	cun
1043	416718.513	4585439.932	25.289	rell	1119	416773.335	4585482.248	32.593	farola	1304	416931.835	4585567.568	25.875	cun	1378	416967.775	4585475.456	25.086	cun
1044	416717.443	4585439.005	27.646	muro	1120	416770.533	4585490.450	32.569	calz	1305	416931.705	4585567.534	25.601	cun	1379	416968.115	4585475.863	25.072	cun
1045	416661.131	4585496.794	25.855	rell	1121	416770.528	4585490.471	32.568	calz	1306	416931.278	4585567.222	25.589	cun	1380	416968.177	4585475.934	25.362	cun
1046	416660.503	4585494.736	26.313	muro	1122	416767.019	4585488.847	32.441	ct	1307	416931.095	4585567.171	25.850	cun	1381	416968.584	4585476.346	25.543	ct
1047	416662.035	4585493.582	28.192	muro	1123	416764.606	4585487.960	31.694	ct	1308	416930.818	4585567.							

1404	416976.983	4585452.173	25.083	cun	1483	416942.335	4585555.158	25.993	cam	1561	416994.447	4585562.949	22.724	rell	1899	417078.534	4585611.737	24.514	ct
1405	416974.202	4585451.273	25.521	ct	1484	416947.426	4585557.545	25.989	cam	1562	417003.780	4585565.698	22.365	rell	1900	417079.127	4585606.065	24.500	ct
1406	416979.157	4585437.129	25.312	ct	1485	416941.887	4585573.285	26.269	cam	1563	417000.364	4585582.010	22.504	rell	1901	417085.135	4585605.845	24.343	ct
1407	416980.742	4585437.556	24.945	cun	1486	416936.093	4585571.768	26.209	cam	1564	416992.122	4585580.744	22.975	rell	1902	417084.781	4585609.553	24.402	ct
1408	416980.831	4585437.668	24.714	cun	1487	416938.881	4585584.731	26.412	pozsan	1565	416986.470	4585579.991	23.618	ct	1903	417083.380	4585614.696	24.337	ct
1409	416981.341	4585437.744	24.707	cun	1488	416936.238	4585590.741	26.392	cam	1566	416987.340	4585598.243	23.094	ct	1904	417085.741	4585621.127	24.501	ct
1410	416981.449	4585437.867	24.966	cun	1489	416929.739	4585589.682	26.346	cam	1567	416992.380	4585592.039	22.659	rell	1905	417085.066	4585615.983	24.037	ct
1411	416981.708	4585438.029	25.066	ct	1490	416924.679	4585604.302	26.400	cam	1568	416996.980	4585594.067	22.464	rell	1906	417086.124	4585609.911	23.772	ct
1412	416981.921	4585432.687	25.070	cun	1491	416930.693	4585606.776	26.408	cam	1569	417000.445	4585604.118	21.546	ct	1907	417087.334	4585607.400	23.133	ct
1413	416982.069	4585432.727	24.713	cun	1492	416924.494	4585626.209	26.542	cam	1570	417002.128	4585605.034	20.865	ct	1908	417088.456	4585603.436	22.894	ct
1414	416982.598	4585432.938	24.692	cun	1493	416917.812	4585624.236	26.523	cam	1571	417005.227	4585594.756	21.059	ct	1909	417087.364	4585601.143	22.581	ct
1415	416982.743	4585432.983	24.963	cun	1494	416947.286	4585585.973	26.525	ct	1572	417003.921	4585593.930	21.530	ct	1910	417090.549	4585599.123	22.870	ct
1416	416983.261	4585433.052	25.108	ct	1495	416949.530	4585581.817	26.605	ct	1573	417008.039	4585584.120	21.575	ct	1911	417093.929	4585602.120	22.978	ct
1417	416982.061	4585432.610	24.717	cun	1496	416950.646	4585580.085	26.196	tat	1574	417009.530	4585585.066	21.116	ct	1912	417094.433	4585603.845	23.060	ct
1418	416979.341	4585432.481	25.732	ct	1497	416954.208	4585574.352	26.306	ct	1575	417012.505	4585577.515	21.378	ct	1913	417096.503	4585601.295	23.837	ct
1419	416976.758	4585430.860	26.978	cun	1498	416948.389	4585571.154	26.399	rell	1576	417013.949	4585577.841	20.916	ct	1914	417095.324	4585598.650	24.090	ct
1420	416976.726	4585430.737	26.645	cun	1499	416944.530	4585579.294	26.379	rell	1577	417017.742	4585571.331	20.905	ct	1915	417092.235	4585596.661	23.802	ct
1421	416976.907	4585430.267	26.621	cun	1500	416941.324	4585587.616	26.569	rell	1578	417016.447	4585571.027	21.609	ct	1916	417091.158	4585595.721	23.719	ct
1422	416976.994	4585430.152	26.957	cun	1501	416960.911	4585562.331	26.316	ct	1579	417015.087	4585528.136	22.591	rell	1917	417091.494	4585594.646	23.615	ct
1423	416982.088	4585431.916	25.087	cun	1502	416955.497	4585558.551	26.384	rell	1580	417028.343	4585527.844	21.353	ct	1918	417093.425	4585596.215	23.756	ct
1424	416982.073	4585431.933	25.071	cun	1503	416962.236	4585546.386	26.046	rell	1581	417029.547	4585528.055	20.952	ct	1919	417095.390	4585596.971	24.138	ct
1425	416982.228	4585432.104	24.670	cun	1504	416969.830	4585548.626	25.875	ct	1843	417047.460	4585700.805	22.281	ct	1920	417096.883	4585595.930	24.064	ct
1426	416983.268	4585428.008	25.011	cun	1505	416977.181	4585531.479	25.900	ct	1844	417053.935	4585677.493	22.229	ct	1921	417098.365	4585591.537	23.867	ct
1427	416983.408	4585427.832	24.795	cun	1506	416966.759	4585528.726	25.864	rell	1845	417058.717	4585663.583	22.288	ct	1922	417098.734	4585587.520	23.539	ct
1428	416978.657	4585426.502	26.067	cun	1507	416980.186	4585531.558	24.910	cam	1846	417063.117	4585649.030	22.387	ct	1923	417098.291	4585586.070	23.439	ct
1429	416978.655	4585426.421	25.749	cun	1508	416984.432	4585532.961	24.819	cam	1847	417066.188	4585634.866	22.266	ct	1924	417097.938	4585586.875	23.380	ct
1430	416978.767	4585425.910	25.739	cun	1509	416986.774	4585533.747	25.035	ct	1848	417069.516	4585620.096	22.119	ct	1925	417097.602	4585590.281	23.404	ct
1431	416978.942	4585425.886	26.106	cun	1510	416988.378	4585534.316	24.950	ct	1849	417070.543	4585607.583	22.003	ct	1926	417096.659	4585593.642	23.454	ct
1432	416983.589	4585427.320	25.231	cun	1511	416976.127	4585537.648	25.145	tat	1850	417076.639	4585606.604	23.194	ct	1927	417095.651	4585595.072	23.515	ct
1433	416983.534	4585427.394	24.870	cun	1512	416977.156	4585538.012	24.644	cam	1851	417076.640	4585614.675	23.345	ct	1928	417094.007	4585594.850	23.587	ct
1434	416983.880	4585427.451	24.889	cun	1513	416982.276	4585540.226	24.546	cam	1852	417079.300	4585616.571	23.610	ct	1929	417091.684	4585593.942	23.514	ct
1435	416983.951	4585427.391	25.119	cun	1514	416983.689	4585541.870	24.743	ct	1853	417079.314	4585620.599	23.622	ct	1930	417093.031	4585591.547	23.419	ct
1436	416984.106	4585427.736	25.069	cun	1515	416986.199	4585542.955	24.571	ct	1854	417074.392	4585619.913	23.160	rell	1931	417093.186	4585589.560	23.390	ct
1437	416983.971	4585427.744	24.843	cun	1517	416977.222	4585557.034	24.059	cam	1855	417076.934	4585631.806	23.671	ct	1932	417090.906	4585587.110	23.327	ct
1438	416983.640	4585429.090	24.710	cun	1518	416980.845	4585556.617	24.654	cam	1856	417071.609	4585631.525	23.190	rell	1933	417089.573	4585583.720	23.165	ct
1439	416983.828	4585429.125	24.987	cun	1519	416980.828	4585556.616	24.667	ct	1857	417070.223	4585643.345	23.291	rell	1934	417085.969	4585579.279	22.709	ct
1440	416984.011	4585429.314	24.997	cun	1520	416972.710	4585555.298	24.138	cam	1858	417073.751	4585647.589	23.660	ct	1935	417087.691	4585574.656	22.664	rell
1441	416983.876	4585429.781	24.991	cun	1521	416973.030	4585549.741	24.377	ct	1859	417067.100	4585657.665	23.391	rell	1936	417092.702	4585575.685	23.414	rell
1442	416983.593	4585429.950	25.023	cun	1522	416967.499	4585558.950	24.188	ct	1860	417069.015	4585661.222	23.651	ct	1937	417092.095	4585580.327	23.207	rell
1443	416983.436	4585429.939	24.730	cun	1523	416970.055	4585560.054	24.159	hornacina	1861	417060.125	4585672.990	23.022	rell	1938	417095.631	4585584.800	23.503	rell
1444	416983.876	4585429.661	24.561	cun	1524	416969.658	4585561.038	24.182	hornacina	1862	417063.157	4585676.527	23.744	ct	1939	417096.266	4585579.184	23.725	rell
1445	416983.935	4585429.394	24.564	cun	1525	416969.413	4585560.836	24.150	hornacina	1863	417057.327	4585684.619	23.279	rell	1940	417097.299	4585574.120	23.888	rell
1447	416984.740	4585427.670	25.223	ct	1526	416969.191	4585562.017	24.166	tat	1864	417059.924	4585686.076	23.766	ct	1941	417102.804	4585575.506	23.819	cam
1448	416980.176	4585422.450	25.414	muro	1527	416972.914	4585573.400	23.920	ct	1865	417051.802	4585700.272	23.118	rell	1942	417108.112	4585576.482	24.005	cam
1449	416985.420	4585407.603	25.053	muro	1528	416971.941	4585573.131	23.777	cam	1866	417052.419	4585703.490	23.432	ct	1944	417105.991	4585584.339	24.325	arqueton
1450	416990.064	4585392.004	25.021	muro	1529	416967.757	4585572.756	23.957	cam	1867	417057.389	4585705.489	24.904	ct	1945	417107.600	4585584.702	24.311	arqueton
1451	416994.061	4585378.301	24.762	muro	1530	416960.082	4585578.253	24.007	ct	1868	417057.950	4585705.652	24.910	cam	1946	417107.945	4585583.075	24.330	arqueton
1452	416998.727	4585382.299	25.037	clh	1531	416957.740	4585587.526	23.920	ct	1869	417064.055	4585706.993	24.878	cam	1947	417105.848	4585584.675	23.952	cam
1453	416999.823	4585381.996	24.838	cam	1532	416961.624	4585588.607	23.944	cam	1870	417065.476	4585707.185	24.796	cun	1948	417101.825	4585584.745	23.698	cam
1454	417004.454	4585384.878	24.919	cam	1533	416965.303	4585589.961	23.936	cam	1871	417065.842	4585707.303	24.538	cun	1949	417099.717	4585594.294	23.974	cam
1455	416999.288	4585398.062	25.125	cam	1534	416967.198	4585590.885	23.929	ct	1872	417066.574	4585707.445	24.809	cun	1950	417105.074	4585595.995	24.026	cam
1456	416999.295	4585398.054	25.119	cam	1535	416969.577	4585592.128	24.174	ct	1873	417073.184	4585689.015	24.619	cun	1951	417107.113	4585602.074	24.209	cam
1457	416993.778	4585396.831	25.151	cam	1536	416966.976	4585596.576	24.249	pozsan	1874	417072.394	4585688.899	24.216	cun	1952	417109.246	4585607.192	24.214	cam

1977	417090.578	4585643.383	24.870	cam	2058	417122.497	4585706.174	25.529	cam	2135	417109.190	4585752.556	25.809	rell	2213	417139.933	4585636.312	23.630	ct
1978	417087.166	4585645.752	24.789	cam	2059	417115.297	4585720.405	25.553	cam	2136	417115.039	4585740.404	25.877	rell	2214	417135.967	4585636.815	23.675	ct
1979	417084.111	4585647.835	24.790	cam	2060	417109.050	4585733.863	25.569	cam	2137	417118.990	4585745.976	26.105	ct	2215	417135.536	4585635.488	23.464	ct
1980	417084.940	4585648.471	24.673	ct	2061	417102.232	4585746.882	25.591	cam	2138	417124.103	4585735.406	25.852	ct	2216	417130.345	4585637.116	23.362	ct
1981	417086.180	4585648.711	23.782	cun	2062	417098.025	4585757.436	25.663	cam	2139	417120.435	4585724.067	25.719	rell	2217	417130.938	4585634.085	23.694	ct
1982	417086.488	4585648.905	23.803	cun	2063	417094.049	4585767.393	25.718	cam	2140	417126.553	4585715.540	25.588	rell	2218	417121.289	4585632.961	23.780	ct
1983	417087.118	4585649.254	24.361	cun	2064	417090.025	4585764.972	25.611	cam	2141	417136.957	4585712.195	26.090	ct	2219	417122.101	4585630.153	23.585	ct
1984	417089.072	4585647.741	24.447	cun	2065	417095.984	4585751.030	25.586	cam	2142	417134.470	4585710.725	25.489	rell	2220	417135.615	4585634.816	24.018	ct
1985	417088.759	4585647.146	24.166	cun	2066	417103.048	4585737.489	25.478	cam	2143	417131.808	4585703.315	25.528	rell	2221	417130.161	4585632.292	24.534	ct
1986	417088.379	4585646.666	24.142	cun	2067	417109.519	4585724.154	25.540	cam	2144	417139.237	4585702.337	25.779	ct	2222	417122.637	4585627.807	24.257	ct
1987	417087.551	4585645.751	24.762	cun	2068	417116.123	4585710.706	25.448	cam	2145	417136.895	4585700.185	25.482	rell	2223	417115.654	4585623.049	24.181	ct
1988	417091.117	4585643.985	24.833	cun	2069	417122.653	4585697.898	25.468	cam	2146	417141.949	4585684.563	25.422	rell	2224	417111.523	4585619.667	24.227	ct
1989	417091.990	4585644.817	24.244	cun	2070	417128.830	4585685.727	25.362	cam	2147	417147.091	4585684.751	25.568	ct	2225	417104.299	4585611.231	24.196	ct
1990	417092.339	4585645.478	24.280	cun	2071	417130.352	4585681.247	25.346	cam	2148	417145.248	4585682.556	25.019	rell	2226	417099.454	4585605.578	24.145	ct
1991	417092.794	4585646.065	24.677	cun	2072	417129.832	4585675.654	25.202	cam	2149	417146.656	4585675.048	25.245	rell	2227	417098.969	4585609.369	23.363	ct
1992	417097.431	4585644.497	24.753	cun	2073	417127.553	4585668.693	25.171	cam	2150	417149.854	4585675.715	25.234	rell	2228	417102.550	4585614.765	23.163	ct
1993	417097.484	4585643.772	24.331	cun	2074	417125.102	4585662.166	25.018	cam	2151	417153.938	4585674.227	25.600	ct	2229	417105.673	4585617.761	23.286	ct
1994	417097.475	4585643.011	24.337	cun	2075	417121.459	4585653.787	24.980	cam	2152	417160.457	4585664.102	25.366	ct	2230	417105.609	4585620.071	23.263	ct
1995	417097.589	4585642.293	24.758	cun	2076	417118.894	4585648.540	24.832	cam	2153	417160.972	4585663.548	25.446	muro	2231	417101.866	4585617.375	23.244	ct
1996	417103.675	4585642.602	24.699	cun	2077	417096.954	4585665.733	25.028	ct	2154	417164.014	4585656.535	24.544	muro	2232	417097.027	4585614.736	23.172	ct
1997	417103.674	4585643.382	24.325	cun	2078	417095.431	4585671.002	25.049	ct	2155	417162.750	4585656.421	24.500	ct	2233	417094.910	4585616.132	24.502	ct
1998	417103.717	4585644.194	24.293	cun	2079	417092.739	4585675.080	24.997	ct	2156	417157.041	4585656.941	24.838	ct	2234	417094.105	4585619.657	24.483	ct
1999	417103.728	4585644.807	24.635	cun	2080	417090.800	4585676.004	25.077	ct	2157	417154.566	4585656.959	25.119	ct	2235	417105.319	4585624.519	24.379	ct
2000	417114.599	4585645.451	24.783	cun	2081	417090.812	4585675.996	25.058	ct	2158	417151.434	4585657.973	25.260	ct	2236	417110.445	4585630.224	24.571	ct
2001	417114.484	4585645.882	24.511	cun	2082	417086.179	4585674.757	24.915	ct	2159	417153.501	4585663.585	25.297	rell	2237	417106.446	4585633.556	24.878	rell
2002	417113.897	4585647.065	24.448	cun	2083	417083.201	4585671.672	24.902	ct	2160	417148.383	4585663.485	25.121	ct	2238	417106.398	4585633.560	24.881	rell
2003	417113.695	4585647.554	24.813	cun	2084	417084.401	4585666.401	25.008	ct	2161	417149.437	4585659.909	25.011	ct	2239	417120.503	4585634.432	24.087	ct
2004	417115.827	4585645.741	24.853	ct	2085	417085.946	4585662.904	25.162	ct	2162	417151.165	4585656.591	24.877	ct	2240	417116.539	4585637.665	24.620	rell
2005	417115.851	4585648.417	24.879	ct	2086	417088.665	4585660.612	25.040	ct	2163	417153.133	4585654.634	24.570	ct	2241	417126.880	4585637.699	24.179	ct
2006	417124.618	4585644.111	25.003	cam	2087	417092.433	4585660.664	24.924	ct	2164	417159.316	4585654.259	24.496	ct	2242	417126.164	4585640.520	24.486	rell
2007	417132.952	4585647.422	24.999	cam	2088	417096.797	4585664.144	24.920	ct	2165	417162.698	4585655.447	24.433	ct	2243	417140.509	4585646.791	24.504	rell
2008	417133.201	4585646.957	25.136	muro	2089	417092.404	4585665.959	28.072	ct	2166	417144.480	4585647.703	24.449	cam	2244	417135.095	4585637.773	24.626	ct
2009	417133.132	4585647.275	25.120	muro	2090	417090.918	4585665.490	28.025	ct	2167	417140.230	4585641.111	24.437	cam	2245	417136.130	4585637.754	24.584	ct
2010	417141.298	4585650.453	24.980	muro	2091	417089.615	4585667.321	28.095	ct	2168	417137.863	4585637.547	23.836	cam	2246	417139.774	4585641.679	24.566	ct
2011	417141.388	4585650.112	24.989	muro	2092	417088.708	4585669.930	28.201	ct	2169	417136.861	4585635.988	23.628	cam	2250	417146.870	4585633.931	24.897	ct
2012	417141.263	4585650.543	24.864	cam	2093	417089.368	4585670.928	28.350	ct	2170	417133.526	4585632.434	24.342	cam	2259	417142.165	4585621.414	26.274	ct
2013	417144.820	4585651.349	24.761	cam	2094	417091.391	4585671.109	27.784	ct	2171	417124.098	4585627.220	24.373	cam	2263	417138.368	4585607.986	24.032	rell
2014	417145.857	4585650.600	24.548	cam	2095	417091.946	4585668.518	27.742	ct	2172	417116.064	4585621.626	24.349	cam	2264	417144.588	4585610.858	24.032	rell
2015	417145.140	4585654.737	24.741	cam	2096	417092.557	4585666.925	28.010	ct	2173	417109.167	4585613.988	24.324	cam	2265	417150.585	4585613.824	23.995	rell
2016	417140.737	4585653.582	24.869	cam	2097	417090.641	4585654.302	24.760	rell	2174	417106.620	4585598.176	24.195	ct	2266	417150.596	4585613.805	23.989	rell
2017	417140.028	4585653.439	24.931	muro	2098	417095.446	4585647.985	24.672	rell	2175	417108.070	4585603.089	24.274	ct	2267	417148.144	4585619.030	23.928	ct
2018	417139.855	4585653.702	24.930	muro	2099	417101.785	4585650.330	24.819	rell	2176	417111.384	4585610.256	24.379	ct	2268	417154.171	4585621.207	24.158	ct
2019	417131.534	4585650.525	25.063	muro	2100	417098.944	4585656.878	24.798	rell	2177	417111.133	4585610.492	24.281	cam	2269	417157.694	4585617.328	23.935	rell
2020	417131.857	4585650.303	25.064	muro	2101	417103.514	4585669.090	24.977	rell	2178	417116.969	4585617.359	24.217	cam	2270	417168.350	4585646.243	24.680	muro
2021	417131.074	4585649.838	24.993	cam	2102	417106.348	4585658.816	24.881	rell	2179	417117.815	4585616.744	24.534	ct	2273	417171.571	4585640.191	25.031	muro
2022	417128.268	4585648.813	25.001	cam	2103	417107.257	4585650.483	24.889	rell	2180	417125.715	4585623.092	24.469	ct	2274	417171.588	4585640.194	25.600	muro
2023	417128.885	4585655.882	25.106	cam	2104	417116.377	4585655.721	24.996	rell	2181	417125.595	4585623.514	24.420	cam	2276	417168.412	4585646.252	25.655	muro
2024	417129.582	4585663.566	25.164	cam	2105	417111.306	4585665.941	24.925	rell	2182	417130.729	4585626.671	24.553	cam	2277	417168.855	4585646.498	25.665	muro
2025	417131.325	4585668.380	25.236	cam	2106	417107.510	4585673.938	24.994	rell	2183	417135.138	4585629.855	24.576	cam	2278	417168.994	4585646.249	25.645	muro
2026	417133.366	4585670.556	25.207	cam	2107	417114.765	4585678.319	25.080	rell	2184	417136.546	4585630.094	24.823	ct	2279	417171.547	4585647.615	25.654	muro
2027	417135.935	4585671.175	25.163	cam	2108	417119.648	4585668.591	25.077	rell	2185	417138.766	4585632.938	24.889	ct	2280	417174.323	4585642.197	26.062	muro
2028	417138.181	4585669.473	25.163	cam	2109	417124.857	4585675.340	25.226	rell	2187	417139.241	4585635.235	23.605	cam	2281	417171.557	4585647.622	27.095	muro
2029	417141.502	4585665.472	25.100	cam	2110	417120.407	4585684.980	25.266	rell	2188	417140.462	4585637.154	23.758	cam	2282	417172.691	4585645.391	27.063	muro
2030	4																		

2307	417112.378	4585785.983	32.340	calz	2565	417210.122	4585722.488	31.039	muro	2642	417223.354	4585716.194	30.797	bord	2746	417288.784	4585713.310	25.333	rell
2308	417107.671	4585785.478	32.026	ct	2566	417204.588	4585736.818	31.230	muro	2643	417223.908	4585716.911	30.833	bord	2747	417290.413	4585709.647	24.868	rell
2310	417159.098	4585649.429	24.564	dest	2567	417204.831	4585736.893	31.274	calz	2644	417227.209	4585718.839	30.737	bord	2748	417283.663	4585706.649	24.651	rell
2311	417143.397	4585642.408	24.521	dest	2568	417205.401	4585737.150	31.266	lb	2645	417228.149	4585719.046	30.700	bord	2749	417282.042	4585710.244	25.215	rell
2312	417144.532	4585663.974	25.101	dest	2569	417199.985	4585751.784	31.448	lb	2646	417228.735	4585718.669	30.633	bord	2750	417273.965	4585706.589	25.180	rell
2313	417138.355	4585651.960	24.847	dest	2570	417199.203	4585751.563	31.451	calz	2647	417228.745	4585718.261	30.642	bord	2751	417260.752	4585701.203	25.131	rell
2314	417168.361	4585646.238	25.630	marco	2571	417198.933	4585751.460	31.391	muro	2648	417227.598	4585716.350	30.768	bord	2752	417262.806	4585694.976	24.527	rell
2316	417174.321	4585649.385	28.676	marco	2572	417193.472	4585765.672	31.643	muro	2649	417225.842	4585713.271	30.804	bord	2755	417253.779	4585688.441	24.825	rell
2317	417174.346	4585649.392	28.813	marco	2573	417193.805	4585765.818	31.717	calz	2651	417224.813	4585712.590	30.797	bord	2756	417248.811	4585691.628	24.914	rell
2319	417174.588	4585649.508	29.296	marco	2574	417194.946	4585766.161	31.662	lb	2652	417224.290	4585712.569	30.779	bord	2757	417246.888	4585695.622	25.425	rell
2320	417169.775	4585659.430	29.298	marco	2575	417190.265	4585780.030	31.898	lb	2653	417223.937	4585713.309	30.816	bord	2758	417253.161	4585699.916	25.516	rell
2321	417168.728	4585658.916	28.275	marco	2576	417188.603	4585779.584	31.926	calz	2654	417236.006	4585719.881	30.337	bord	2759	417254.699	4585699.290	25.131	rell
2322	417164.490	4585656.816	25.657	marco	2577	417188.223	4585779.375	31.780	muro	2655	417232.717	4585716.804	30.521	bord	2760	417259.473	4585700.906	25.107	rell
2323	417164.015	4585656.559	25.637	marco	2578	417182.560	4585794.344	32.039	muro	2656	417230.007	4585712.973	30.592	bord	2761	417243.904	4585684.329	24.435	rell
2324	417162.533	4585659.969	25.626	marco	2579	417183.581	4585794.851	32.207	calz	2657	417228.793	4585708.976	30.609	bord	2762	417237.684	4585683.372	24.487	rell
2502	417236.798	4585653.240	30.606	muro	2580	417185.273	4585795.220	32.137	lb	2658	417228.419	4585699.308	30.623	bord	2763	417235.516	4585687.291	24.886	rell
2503	417236.286	4585652.998	30.733	calz	2581	417181.748	4585806.549	32.325	lb	2659	417228.915	4585697.683	30.593	bord	2764	417239.718	4585689.845	25.003	rell
2504	417233.980	4585651.805	30.896	lb	2582	417180.118	4585806.094	32.358	calz	2660	417230.046	4585695.436	30.580	bord	2765	417238.612	4585681.781	24.432	ct
2505	417228.441	4585665.698	31.006	lb	2583	417178.464	4585805.267	32.271	muro	2661	417231.406	4585693.128	30.355	ct	2766	417243.934	4585682.058	24.906	rell
2506	417230.579	4585667.084	30.880	calz	2584	417179.273	4585808.316	32.292	cun	2662	417230.227	4585696.881	30.535	ct	2767	417280.977	4585724.789	29.834	ct
2507	417231.077	4585667.390	30.751	muro	2585	417178.971	4585808.213	32.272	cun	2663	417229.942	4585699.600	30.476	ct	2768	417273.165	4585720.207	29.845	ct
2508	417228.287	4585666.132	31.028	lb	2586	417175.184	4585820.684	32.408	cun	2664	417228.080	4585697.120	30.703	lb	2769	417266.706	4585715.282	29.904	ct
2509	417227.552	4585674.264	30.972	sum	2587	417175.514	4585820.779	32.407	cun	2665	417228.898	4585697.278	30.641	calz	2770	417263.049	4585713.608	29.987	ct
2510	417225.646	4585681.124	30.928	muro	2588	417175.897	4585820.810	32.588	calz	2666	417231.019	4585691.808	30.575	calz	2771	417260.593	4585714.216	30.100	ct
2511	417225.112	4585680.981	31.051	calz	2589	417177.393	4585821.386	32.562	lb	2667	417233.932	4585685.934	30.515	calz	2772	417258.171	4585715.828	30.150	ct
2513	417222.746	4585679.983	31.200	lb	2590	417189.448	4585820.032	32.080	ct	2668	417236.571	4585680.532	30.425	calz	2773	417256.028	4585717.479	30.152	ct
2514	417217.156	4585694.132	31.375	lb	2591	417187.796	4585819.675	32.316	ct	2669	417235.297	4585679.860	30.495	lb	2774	417249.063	4585713.327	30.193	ct
2515	417219.506	4585695.227	31.265	calz	2592	417186.997	4585819.580	32.307	calz	2671	417231.841	4585691.687	30.414	muro	2775	417240.164	4585708.692	30.293	ct
2516	417220.051	4585695.412	31.138	muro	2593	417185.360	4585819.190	32.427	lb	2672	417238.038	4585681.372	30.389	muro	2776	417234.733	4585704.700	30.462	ct
2517	417218.614	4585696.925	31.296	sum	2594	417189.594	4585805.090	32.160	lb	2675	417238.079	4585681.064	30.123	ct	2777	417255.596	4585709.086	26.832	rell
2518	417214.025	4585710.957	31.298	muro	2595	417191.150	4585805.333	32.089	calz	2676	417237.165	4585679.173	30.434	calz	2778	417252.768	4585708.933	26.629	rell
2519	417213.452	4585710.755	31.414	calz	2596	417191.811	4585805.582	32.120	ct	2677	417235.954	4585678.300	30.476	lb	2779	417256.941	4585708.395	26.651	rell
2520	417210.933	4585709.928	31.580	lb	2597	417193.523	4585806.776	31.804	ct	2678	417241.951	4585664.655	30.306	lb	2780	417252.985	4585703.043	25.681	rell
2521	417208.251	4585725.858	31.539	muro	2598	417198.799	4585788.383	31.522	ct	2679	417243.524	4585665.108	30.251	calz	2781	417237.312	4585698.409	25.100	muro
2522	417207.684	4585725.659	31.638	calz	2599	417197.310	4585787.849	31.778	ct	2680	417247.229	4585656.881	30.159	calz	2782	417237.304	4585698.415	26.050	muro
2523	417205.158	4585724.629	31.835	lb	2600	417196.671	4585787.716	31.730	ct	2681	417245.676	4585656.375	30.214	lb	2783	417236.980	4585698.016	26.092	muro
2524	417199.199	4585739.958	32.098	lb	2601	417196.675	4585787.749	31.737	calz	2682	417242.228	4585674.031	29.944	ct	2789	417237.872	4585681.649	30.390	muro
2525	417201.717	4585741.189	31.953	calz	2602	417195.277	4585787.294	31.799	lb	2683	417245.292	4585670.785	29.850	ct	2900	416914.598	4585437.373	28.005	cun
2526	417202.205	4585741.515	31.818	muro	2603	417200.533	4585771.727	31.559	lb	2684	417247.074	4585661.728	29.849	ct	2901	416915.057	4585437.458	27.926	cun
2527	417196.137	4585757.260	32.164	muro	2604	417201.611	4585772.133	31.486	calz	2685	417249.414	4585656.460	29.689	ct	2902	416915.832	4585437.750	28.289	ct
2528	417195.575	4585757.081	32.238	calz	2605	417202.189	4585772.368	31.541	ct	2686	417251.862	4585657.372	29.056	cun	2903	416920.285	4585422.760	27.864	ct
2529	417193.037	4585755.979	32.425	lb	2606	417203.990	4585773.075	31.104	ct	2687	417253.475	4585658.179	28.898	cun	2904	416919.635	4585422.432	27.444	cun
2530	417187.376	4585770.732	32.784	lb	2607	417209.010	4585758.937	31.208	ct	2688	417250.632	4585665.360	28.931	cun	2905	416919.308	4585422.350	27.491	cun
2531	417189.991	4585771.758	32.616	calz	2608	417207.306	4585758.355	31.352	ct	2689	417249.877	4585665.007	28.944	cun	2906	416922.810	4585407.652	27.020	cun
2532	417190.511	4585771.958	32.490	muro	2609	417206.104	4585758.074	31.178	calz	2690	417247.547	4585671.236	28.804	cun	2907	416923.230	4585407.659	26.975	cun
2533	417184.901	4585786.603	32.845	muro	2610	417205.366	4585757.941	31.416	lb	2691	417248.233	4585671.452	28.777	cun	2908	416923.880	4585407.799	27.230	ct
2534	417184.367	4585786.517	32.978	calz	2611	417210.283	4585749.657	31.680	ct	2692	417255.534	4585659.010	29.906	ct	2909	416919.923	4585416.967	27.659	ct
2535	417181.734	4585785.503	33.137	lb	2612	417212.376	4585750.091	31.548	ct	2693	417252.114	4585667.248	30.068	ct	2910	416921.207	4585412.005	27.414	ct
2536	417174.393	4585804.924	33.648	lb	2613	417214.426	4585745.512	31.593	ct	2694	417249.710	4585672.324	29.761	ct	2911	416920.232	4585411.858	27.539	ct
2537	417177.206	4585805.648	33.472	calz	2614	417212.241	4585744.764	31.660	ct	2695	417251.159	4585674.470	29.805	ct	2912	416923.553	4585402.797	27.177	ct
2538	417177.429	4585806.532	33.403	muro	2615	417212.922	4585742.694	31.771	ct	2696	417252.050	4585673.064	30.041	ct	2913	416928.608	4585393.649	26.755	ct
2539	417176.862	4585807.028	33.543	muro	2616	417209.504	4585746.376	31.181	lb	2697	417260.865	4585677.037	29.982	ct	2914	416928.018	4585393.395	26.616	cun
2540	417174.832	4585811.572	33.648	muro	2617	417210.104	4585746.655	31.166	bord	2698	417260.486	4585679.472	29.090	ct	2915	416927.382	4585393		

2940	416950.322	4585356.492	25.468	rell	3017	416888.059	4585520.348	29.751	cam	3094	416865.486	4585538.668	33.034	ct	3171	416931.390	4585331.413	30.300	rell
2941	416950.866	4585360.118	25.084	rell	3018	416890.156	4585521.399	29.721	rell	3095	416863.857	4585537.751	32.731	rell	3172	416928.716	4585345.203	30.031	rell
2942	416948.078	4585362.336	25.504	rell	3019	416892.529	4585522.294	29.608	cun	3096	416871.361	4585525.189	32.674	ct	3173	416934.263	4585347.365	29.620	rell
2943	416948.294	4585354.156	26.240	cun	3020	416892.662	4585522.410	29.317	cun	3097	416869.732	4585525.477	32.605	ct	3174	416938.353	4585348.638	29.203	rell
2944	416947.973	4585354.009	25.878	cun	3021	416893.108	4585522.651	29.331	cun	3098	416865.965	4585532.140	32.691	ct	3175	416938.364	4585348.645	29.209	ct
2945	416947.309	4585353.748	25.874	cun	3022	416893.247	4585522.694	29.604	cun	3099	416858.863	4585545.811	32.839	ct	3176	416933.336	4585364.502	28.669	ct
2946	416946.902	4585353.616	26.187	cun	3023	416893.570	4585522.715	29.745	alamb	3100	416850.256	4585563.103	32.962	ct	3177	416930.765	4585364.327	29.109	rell
2947	416946.266	4585355.587	26.188	cun	3024	416882.569	4585535.900	29.885	cam	3101	416843.384	4585579.126	32.856	ct	3178	416927.422	4585363.692	29.415	rell
2948	416946.586	4585355.668	25.952	cun	3025	416884.580	4585536.798	29.871	rell	3102	416835.832	4585595.010	32.505	ct	3179	416926.274	4585377.734	29.009	rell
2949	416947.026	4585355.854	25.920	cun	3026	416887.162	4585537.818	29.800	cun	3103	416829.700	4585610.706	32.214	ct	3180	416928.680	4585378.531	28.488	ct
2950	416947.337	4585355.997	26.129	cun	3027	416887.303	4585537.874	29.513	cun	3104	416824.030	4585626.253	31.485	ct	3181	416924.992	4585391.311	28.621	ct
2951	416944.257	4585364.333	26.131	cun	3028	416887.762	4585538.099	29.513	cun	3105	416819.833	4585639.299	30.709	ct	3182	416923.317	4585396.557	28.570	ct
2952	416943.884	4585364.219	25.939	cun	3029	416887.888	4585538.149	29.807	cun	3106	416833.753	4585646.363	30.441	ct	3183	416924.420	4585334.329	30.519	calz
2953	416943.357	4585364.065	26.008	cun	3030	416888.161	4585538.221	29.882	alamb	3107	416834.829	4585646.767	30.385	cun	3184	416926.792	4585334.806	30.473	ct
2954	416943.066	4585363.913	26.242	cun	3031	416877.193	4585551.597	30.014	cam	3108	416835.530	4585647.011	30.035	cun	3185	416926.119	4585342.773	30.449	ct
2955	416939.875	4585378.176	26.443	cun	3032	416879.369	4585552.537	30.014	rell	3109	416836.225	4585647.497	30.310	cun	3186	416923.101	4585347.177	30.668	calz
2956	416940.056	4585378.190	26.157	cun	3033	416881.818	4585553.541	29.961	cun	3110	416842.477	4585649.084	30.542	ct	3187	416924.727	4585347.292	30.435	ct
2957	416940.530	4585378.316	26.196	cun	3034	416881.974	4585553.598	29.678	cun	3111	416847.908	4585634.038	30.522	ct	3188	416926.626	4585347.810	29.838	ct
2958	416940.651	4585378.437	26.479	cun	3035	416882.424	4585553.769	29.675	cun	3112	416843.377	4585631.700	30.465	cun	3189	416923.243	4585355.009	30.730	arqal
2959	416940.956	4585378.602	26.601	alamb	3036	416882.546	4585553.818	29.951	cun	3113	416841.849	4585631.088	29.973	cun	3190	416923.206	4585355.497	30.697	farola
2960	416940.958	4585378.601	26.593	alamb	3037	416882.796	4585553.735	30.017	alamb	3114	416841.143	4585630.700	30.329	cun	3191	416920.789	4585364.560	30.813	calz
2961	416937.428	4585376.701	26.489	rell	3038	416871.268	4585567.731	30.210	cam	3115	416840.143	4585630.191	30.480	ct	3192	416922.468	4585364.829	30.594	ct
2962	416940.587	4585364.223	26.324	rell	3039	416873.531	4585568.915	30.126	rell	3116	416846.206	4585614.478	30.511	ct	3193	416926.201	4585365.100	29.419	ct
2963	416944.570	4585352.531	26.282	rell	3040	416875.799	4585570.139	30.074	cun	3117	416847.001	4585614.747	30.379	cun	3194	416918.392	4585380.786	30.927	calz
2964	416948.139	4585342.754	26.295	rell	3041	416875.920	4585570.206	29.817	cun	3118	416847.976	4585615.293	29.960	cun	3195	416920.282	4585381.139	30.815	ct
2965	416932.458	4585392.080	26.806	rell	3042	416876.379	4585570.443	29.777	cun	3119	416849.179	4585615.800	30.430	cun	3196	416925.129	4585381.838	28.867	ct
2966	416935.683	4585393.465	26.844	cun	3043	416876.531	4585570.494	30.057	cun	3120	416853.807	4585616.922	30.580	ct	3197	416917.338	4585394.266	31.097	arqal
2967	416935.858	4585393.491	26.549	cun	3044	416876.787	4585570.469	30.193	alamb	3121	416859.044	4585601.388	30.556	ct	3198	416917.342	4585394.298	31.092	arqal
2968	416936.320	4585393.614	26.572	cun	3045	416865.028	4585585.185	30.259	cam	3122	416854.852	4585599.314	30.457	ct	3199	416917.279	4585394.780	31.095	farola
2969	416936.432	4585393.700	26.841	cun	3046	416867.141	4585586.243	30.251	rell	3123	416854.665	4585599.289	30.363	cun	3200	416914.830	4585400.845	31.138	calz
2970	416936.757	4585393.918	26.927	alamb	3047	416869.757	4585586.788	30.150	cun	3124	416853.294	4585598.525	29.917	cun	3201	416917.384	4585401.367	31.039	ct
2971	416932.783	4585396.025	26.936	pozsan	3048	416869.907	4585586.844	29.868	cun	3125	416852.208	4585598.203	30.369	cun	3202	416911.081	4585416.159	31.247	calz
2972	416927.508	4585408.168	27.249	rell	3049	416870.371	4585586.971	29.859	cun	3126	416850.309	4585598.122	30.540	ct	3203	416913.275	4585417.037	31.099	ct
2973	416930.827	4585409.591	27.250	cun	3050	416870.518	4585587.065	30.149	cun	3127	416865.295	4585582.859	30.345	ct	3204	416906.265	4585431.508	31.446	calz
2974	416930.972	4585409.698	26.962	cun	3051	416870.866	4585587.144	30.269	alamb	3128	416861.476	4585579.467	30.203	cun	3205	416908.817	4585432.455	31.484	ct
2975	416931.447	4585409.934	27.001	cun	3052	416859.552	4585601.851	30.381	cam	3129	416859.986	4585578.826	29.750	cun	3206	416911.909	4585433.725	30.125	ct
2976	416931.554	4585410.055	27.296	cun	3053	416861.610	4585603.043	30.288	rell	3130	416859.221	4585578.557	30.065	cun	3207	416907.175	4585432.967	31.505	arqal
2977	416931.741	4585410.058	27.323	alamb	3054	416863.859	4585603.862	30.234	cun	3131	416858.251	4585578.263	30.192	ct	3208	416907.086	4585433.402	31.507	farola
2978	416923.345	4585423.425	27.814	rell	3055	416863.999	4585603.915	29.980	cun	3132	416872.544	4585563.029	30.332	ct	3209	416900.281	4585447.762	31.846	calz
2979	416925.923	4585424.594	27.790	cun	3056	416864.449	4585604.176	30.005	cun	3133	416868.370	4585561.270	30.186	cun	3210	416902.914	4585448.364	31.844	ct
2980	416926.090	4585424.649	27.497	cun	3057	416864.568	4585604.253	30.281	cun	3134	416866.878	4585606.500	29.715	ct	3211	416903.960	4585448.572	31.397	ct
2981	416926.533	4585424.849	27.488	cun	3058	416864.876	4585604.250	30.374	alamb	3135	416866.874	4585560.491	29.705	cun	3212	416905.674	4585449.053	31.081	ct
2982	416926.678	4585424.904	27.788	cun	3059	416853.735	4585618.890	30.414	cam	3136	416866.291	4585560.092	29.991	cun	3213	416894.676	4585460.962	32.295	calz
2983	416926.925	4585425.036	27.860	alamb	3060	416855.721	4585619.779	30.358	rell	3137	416864.686	4585559.206	30.094	ct	3215	416896.873	4585462.153	32.258	ct
2984	416918.390	4585439.684	28.265	rell	3061	416858.049	4585620.741	30.285	cun	3138	416879.253	4585543.961	30.086	ct	3216	416898.476	4585463.048	31.454	ct
2985	416920.792	4585441.156	28.164	cun	3062	416858.222	4585620.834	30.029	cun	3139	416875.525	4585542.813	30.064	cun	3217	416891.899	4585470.108	32.696	arqal
2986	416920.942	4585441.230	27.903	cun	3063	416858.661	4585621.019	30.016	cun	3140	416873.928	4585542.183	29.569	cun	3218	416891.942	4585470.071	32.701	arqal
2987	416921.391	4585441.423	27.877	cun	3064	416858.783	4585621.137	30.300	cun	3141	416873.172	4585541.822	29.883	cun	3219	416891.845	4585470.525	32.683	farola
2988	416921.518	4585441.506	28.159	cun	3065	416859.059	4585621.286	30.408	alamb	3142	416871.817	4585541.054	30.000	ct	3220	416889.593	4585477.780	32.852	ct
2989	416922.005	4585441.483	28.279	alamb	3066	416847.368	4585636.572	30.396	cam	3143	416885.338	4585527.204	29.908	ct	3221	416892.189	4585478.810	31.921	ct
2990	416914.136	4585452.848	28.653	rell	3067	416849.620	4585638.158	30.300	rell	3144	416882.019	4585525.722	29.887	cun	3222	416878.461	4585492.481	33.731	calz
2991	416916.701	4585455.547	28.558	cun	3068	416851.892	4585639.335	30.308	cun	3145	416880.617	4585525.276	29.424	cun	3223	416880.151	4585493.434	33.579	ct
2992	416916.822	4585455.665	28.268	cun	3069	416852.059	4585639.412	30.040	cun	3146	416879.808	4585525.069	29.769	cun	3224	416883.592	458549		

3250	416839.851	4585567.059	35.895	calz	3329	416860.260	4585490.804	33.745	calz	3406	416832.229	4585500.000	29.405	bord	3484	416828.651	4585467.763	29.243	cun
3251	416839.939	4585567.103	35.843	bord	3330	416860.090	4585490.651	33.669	bord	3407	416832.081	4585499.980	29.456	calz	3485	416826.529	4585467.697	29.102	bord
3252	416841.953	4585568.355	35.756	ct	3331	416860.114	4585488.076	33.273	bord	3408	416835.742	4585489.339	29.722	bord	3486	416826.454	4585467.948	29.108	bord
3253	416836.925	4585576.683	35.808	arqal	3332	416859.048	4585487.045	32.515	bord	3409	416835.589	4585489.294	29.784	calz	3487	416826.175	4585469.313	29.551	cun
3254	416836.725	4585577.103	35.821	farola	3333	416859.301	4585486.921	32.556	bord	3410	416836.622	4585486.513	29.866	calz	3488	416826.946	4585469.838	29.488	cun
3255	416830.976	4585586.719	35.633	calz	3334	416860.306	4585487.950	33.266	bord	3411	416836.749	4585486.601	29.814	bord	3489	416827.780	4585469.753	29.539	cun
3256	416831.096	4585586.755	35.585	bord	3335	416860.689	4585487.723	33.393	ct	3412	416837.475	4585488.099	29.713	ct	3490	416827.002	4585472.785	29.708	ct
3257	416833.458	4585587.650	35.512	ct	3336	416862.086	4585488.500	33.463	bord	3413	416843.331	4585475.948	30.395	ct	3491	416824.804	4585471.579	29.774	ct
3258	416828.690	4585592.414	35.417	bord	3337	416867.922	4585478.558	32.752	ct	3414	416841.875	4585475.016	30.297	bord	3492	416824.783	4585471.590	29.739	ct
3259	416829.491	4585594.818	35.221	bord	3338	416869.290	4585479.003	32.724	bord	3415	416841.768	4585474.946	30.350	calz	3493	416825.209	4585477.524	30.144	ct
3260	416831.305	4585595.623	34.674	bord	3339	416869.403	4585479.173	32.783	calz	3416	416848.905	4585465.204	30.927	farola	3494	416822.474	4585478.005	30.191	ct
3261	416831.176	4585595.842	34.694	bord	3340	416869.404	4585479.173	32.783	calz	3417	416850.438	4585464.344	30.959	ct	3495	416910.881	4585450.495	28.612	ct
3262	416829.418	4585595.092	35.247	bord	3341	416873.997	4585468.589	32.159	ct	3418	416848.645	4585463.231	30.965	calz	3496	416910.344	4585450.273	28.298	cun
3263	416827.573	4585595.146	35.395	bord	3342	416875.181	4585469.201	32.110	bord	3419	416848.777	4585463.294	30.913	bord	3497	416909.837	4585450.023	28.323	cun
3264	416831.066	4585594.587	35.153	ct	3343	416875.364	4585469.230	32.167	calz	3420	416850.058	4585463.189	30.860	bord	3601	416932.809	4585396.055	26.907	pozsan
3265	416830.355	4585595.922	35.087	ct	3344	416880.803	4585458.207	31.618	calz	3421	416851.551	4585464.255	30.490	bord	3602	416934.017	4585399.354	26.906	cun
3266	416827.143	4585595.737	35.448	calz	3345	416880.662	4585458.175	31.567	bord	3422	416851.657	4585464.052	30.489	bord	3603	416934.166	4585399.377	26.617	cun
3267	416821.644	4585609.442	34.951	calz	3346	416879.509	4585457.314	31.526	ct	3423	416850.213	4585462.950	30.874	bord	3604	416934.621	4585399.585	26.624	cun
3268	416821.796	4585609.438	34.898	bord	3347	416872.389	4585452.027	26.334	ct	3424	416851.557	4585463.166	31.024	ct	3605	416934.764	4585399.612	26.911	cun
3269	416824.846	4585610.497	34.814	ct	3348	416871.299	4585451.468	26.356	cun	3425	416850.414	4585460.861	31.065	bord	3609	416938.857	4585584.776	26.407	pozsan
3270	416821.408	4585613.574	34.738	arqal	3349	416870.963	4585451.278	25.920	cun	3426	416859.731	4585450.852	31.799	ct	3610	416931.783	4585576.966	26.350	clh
3271	416821.275	4585613.932	34.681	farola	3350	416870.666	4585451.014	25.929	cun	3427	416858.152	4585449.579	31.765	bord	3615	416957.644	4585533.197	25.794	pozsan
3272	416816.491	4585622.798	34.347	calz	3351	416870.378	4585450.800	26.360	cun	3428	416858.038	4585449.508	31.806	calz	3616	416971.845	4585491.829	25.600	pozsan
3273	416816.622	4585622.879	34.299	bord	3352	416869.571	4585450.451	26.371	ct	3429	416865.288	4585438.118	32.532	calz	3618	416985.676	4585451.040	25.237	pozsan
3274	416819.439	4585624.370	34.151	ct	3353	416866.921	4585460.824	26.778	ct	3430	416865.465	4585438.157	32.492	bord	3619	416990.286	4585411.792	25.269	pozsan
3275	416816.416	4585626.749	34.004	arqdg	3354	416865.933	4585459.249	26.525	cun	3431	416867.925	4585439.607	32.200	ct	3620	416996.123	4585409.710	25.295	arqueton
3276	416811.751	4585635.998	33.631	calz	3355	416865.651	4585458.973	26.112	cun	3432	416852.678	4585438.558	32.445	calz	3621	416997.109	4585406.582	25.228	arqueton
3277	416811.892	4585636.030	33.583	bord	3356	416865.263	4585458.842	26.128	cun	3433	416850.231	4585436.672	32.152	ct	3622	417000.013	4585407.634	25.329	arqueton
3278	416815.523	4585636.885	33.430	ct	3357	416865.078	4585458.564	26.489	cun	3434	416841.721	4585449.601	31.722	ct	3623	416999.001	4585410.645	25.276	arqueton
3279	416815.530	4585636.861	33.429	ct	3358	416864.363	4585458.124	26.757	ct	3435	416843.614	4585451.111	31.792	calz	3624	416998.998	4585410.652	25.271	arqueton
3280	416809.230	4585621.569	34.625	calz	3359	416857.288	4585467.697	27.293	ct	3436	416835.833	4585463.318	31.197	calz	3625	417001.119	4585409.273	25.365	pozsan
3281	416814.765	4585606.997	35.275	calz	3360	416857.018	4585467.870	27.283	bord	3437	416834.487	4585462.559	31.186	ct	3626	417170.196	4585642.185	24.736	gas nat
3282	416820.833	4585592.269	35.771	calz	3361	416858.034	4585468.542	26.954	bord	3438	416827.619	4585474.838	30.610	ct	3627	417170.736	4585632.528	25.215	gas nat
3283	416827.214	4585577.420	36.087	calz	3362	416857.865	4585468.759	26.957	bord	3439	416828.880	4585475.799	30.669	calz	3628	417171.418	4585641.620	25.647	transf
3284	416833.611	4585563.295	36.242	calz	3363	416856.843	4585468.080	27.278	bord	3440	416823.321	4585487.391	30.321	calz	3629	417173.618	4585642.723	25.628	transf
3285	416840.435	4585549.215	36.221	calz	3364	416856.880	4585468.336	27.308	ct	3441	416819.861	4585484.718	30.364	rell	3630	417169.730	4585644.766	25.634	transf
3286	416847.027	4585535.936	35.955	calz	3365	416858.524	4585468.138	26.818	cun	3442	416818.662	4585498.642	30.074	calz	3631	417171.925	4585645.879	25.599	transf
3287	416842.935	4585537.629	35.737	ct	3366	416858.623	4585468.642	26.435	cun	3443	416815.179	4585497.948	30.237	rell	3632	417171.672	4585644.447	27.941	cota
3288	416846.491	4585529.014	35.350	ct	3367	416858.860	4585468.971	26.427	cun	3444	416813.817	4585507.995	29.620	rell	3633	417162.556	4585659.375	25.045	gas nat
3289	416850.250	4585529.619	35.797	calz	3368	416859.113	4585469.262	26.816	cun	3445	416815.030	4585508.725	29.844	calz	3634	417142.401	4585659.662	24.800	arqueton
3290	416846.432	4585523.950	35.319	ct	3369	416860.028	4585469.729	27.220	ct	3446	416809.149	4585506.087	30.262	calz	3635	417143.430	4585657.687	24.810	arqueton
3291	416847.592	4585519.715	34.888	ct	3370	416861.801	4585470.524	27.233	ct	3447	416811.098	4585506.125	30.148	ct	3636	417141.432	4585656.642	24.820	arqueton
3293	416846.462	4585516.469	35.509	ct	3371	416857.510	4585476.441	27.597	ct	3448	416812.714	4585492.730	30.334	calz	3637	417140.393	4585658.647	24.830	arqueton
3294	416853.371	4585512.275	35.411	ct	3372	416855.849	4585475.123	27.492	ct	3449	416815.759	4585493.608	30.321	ct	3638	417142.268	4585674.010	25.351	gas nat
3295	416855.638	4585512.137	35.179	ct	3373	416855.281	4585474.680	27.006	cun	3450	416819.144	4585487.293	30.177	farola	3639	417121.661	4585715.532	25.632	gas nat
3296	416855.164	4585520.324	35.487	calz	3374	416855.078	4585474.422	26.612	cun	3451	416817.204	4585477.029	30.320	calz	3640	417097.351	4585769.664	25.878	gas nat
3297	416860.752	4585509.740	35.038	calz	3375	416854.809	4585474.152	26.596	cun	3452	416821.132	4585477.511	30.313	ct	3641	417103.644	4585751.712	25.749	gas nat
3298	416862.068	4585507.218	34.929	bord	3376	416854.497	4585473.934	26.978	cun	3453	416822.546	4585472.922	30.330	arqal	3642	417095.237	4585775.427	26.956	gas nat
3299	416862.201	4585504.646	34.912	arqal	3377	416854.623	4585475.032	27.450	ct	3455	416820.354	4585467.075	30.352	bord	3643	417094.707	4585776.821	26.853	gas nat
3300	416864.335	4585502.838	34.659	bord	3378	416854.069	4585474.162	27.481	ct	3456	416821.802	4585466.668	30.316	bord	3644	417097.586	4585783.297	26.465	gas nat
3301	416864.158	4585502.129	34.647	bord	3379	416852.785	4585473.028	27.626	ct	3457	416824.358	4585467.367	30.022	bord	3651	417069.028	4585712.366	24.767	enagas
3302	416863.479	4585502.189	34.689	bord	3380	416848.048	4585477.310	28.179	ct	3458	416824.452	4585467.141	30.042	bord	3652	417116.329	4585665.366	25.039	enagas
3303	416859.772	4585505.441	35.005	bord	3381	416851.018	4585479.504	27.942	rell	3459	416821.861	4585466.377</							

3746	416964.034	4585571.186	23.800	edif	4024	417163.270	4585630.688	25.397	ct	4102	417137.123	4585598.453	24.010	rell
3747	416961.844	4585570.277	23.850	edif	4025	417159.474	4585634.370	24.982	ct	4103	417147.832	4585604.207	24.020	rell
3748	416962.907	4585571.924	23.900	edif	4026	417155.871	4585637.177	25.119	ct	4104	417117.189	4585601.329	25.750	ct
3749	416962.336	4585574.411	23.900	edif	4027	417149.629	4585633.942	25.074	ct	4105	417115.972	4585596.427	25.810	ct
3750	416960.579	4585574.022	23.900	edif	4028	417142.863	4585630.633	25.166	ct	4106	417115.842	4585588.618	25.750	ct
3751	416965.184	4585570.004	23.803	rell	4029	417134.794	4585625.940	24.926	ct					
3752	416718.903	4585437.181	25.730	muro	4030	417124.272	4585619.057	25.194	ct					
3753	416721.284	4585439.661	25.250	muro	4031	417118.525	4585614.533	25.078	ct					
3754	416719.403	4585441.031	25.280	muro	4032	417118.403	4585614.575	25.083	ct					
3755	416717.458	4585439.003	25.270	muro	4033	417113.683	4585610.369	25.677	ct					
3756	416718.911	4585437.184	25.230	muro	4034	417111.296	4585605.838	26.029	ct					
3757	416660.509	4585494.744	25.810	muro	4035	417108.958	4585602.040	25.242	ct					
3758	416662.032	4585493.597	25.800	muro	4036	417108.315	4585599.214	25.341	ct					
3759	416662.228	4585493.996	25.800	muro	4037	417111.360	4585587.804	25.123	ct					
3760	416663.761	4585495.449	25.800	muro	4038	417114.698	4585588.310	25.816	ct					
3761	416661.954	4585498.949	26.380	muro	4039	417113.636	4585595.704	25.830	ct					
3762	416786.944	4585440.660	29.640	muro	4040	417113.251	4585599.406	25.640	ct					
3763	416789.798	4585431.545	24.600	muro	4041	417114.166	4585600.173	25.459	tat					
3764	416789.987	4585431.566	24.600	muro	4042	417113.687	4585601.334	25.349	tat					
3765	416776.836	4585446.419	25.150	muro	4043	417113.513	4585601.791	25.205	ct					
3766	416787.264	4585439.691	25.340	canaleta	4044	417113.972	4585604.259	25.493	ct					
3767	416787.271	4585439.671	24.600	canaleta	4045	417116.913	4585606.920	26.048	ct					
3768	416779.515	4585444.823	25.010	muro	4046	417115.716	4585609.403	25.691	ct					
3769	416786.551	4585440.607	25.340	muro	4047	417115.986	4585610.772	25.525	ct					
3770	416786.942	4585440.656	25.340	muro	4048	417118.058	4585612.529	25.513	ct					
3771	416951.216	4585362.738	25.080	muro	4049	417122.561	4585616.572	25.462	ct					
3772	416952.586	4585359.037	25.080	muro	4050	417132.608	4585622.735	25.156	ct					
3773	416946.223	4585363.731	25.500	muro	4051	417137.359	4585625.481	25.115	ct					
3774	416949.348	4585355.300	25.470	muro	4052	417141.834	4585627.651	25.231	ct					
3775	416933.900	4585557.517	25.250	cun	4053	417148.923	4585630.973	25.108	ct					
3776	416971.943	4585470.202	24.960	cun	4054	417153.658	4585634.512	25.132	ct					
3777	416960.699	4585569.812	23.850	ct	4055	417158.278	4585630.943	24.975	ct					
3778	416961.134	4585571.517	23.900	edif	4056	417160.727	4585627.343	25.633	ct					
3779	416955.704	4585581.317	24.380	transf	4057	417163.476	4585623.741	25.570	ct					
3780	416958.467	4585581.650	23.950	losa	4058	417156.834	4585631.329	24.742	ct					
3781	416957.364	4585586.590	23.950	losa	4059	417154.464	4585633.903	24.812	ct					
3782	416970.300	4585560.256	24.160	hornacina	4060	417149.688	4585630.169	24.600	ct					
3783	417106.220	4585582.675	23.970	cam	4061	417150.493	4585628.020	24.808	ct					
3784	417174.315	4585642.197	25.650	muro	4062	417143.618	4585624.631	24.544	ct					
3785	417171.534	4585647.925	24.680	marco	4063	417142.393	4585626.362	24.593	ct					
3786	417174.557	4585649.526	24.610	marco	4064	417134.223	4585622.296	24.685	ct					
3787	417169.770	4585659.419	24.640	marco	4065	417135.560	4585620.631	24.778	ct					
3788	417174.420	4585649.809	24.580	ct	4066	417126.841	4585615.587	25.087	ct					
3789	417174.147	4585650.371	24.280	ct	4067	417125.187	4585617.014	24.957	ct					
3790	417172.670	4585653.426	24.250	ct	4068	417118.601	4585611.843	25.045	ct					
3791	417172.078	4585654.649	24.560	ct	4069	417118.807	4585610.008	24.949	ct					
3792	417231.860	4585691.687	24.900	muro	4070	417120.526	4585605.090	25.709	ct					
3793	417234.770	4585686.860	24.900	muro	4071	417124.436	4585608.741	26.412	ct					
3794	417237.077	4585683.001	24.500	muro	4072	417123.988	4585610.426	26.599	ct					
3795	417237.873	4585681.653	24.500	muro	4073	417132.610	4585616.055	26.510	ct					
3796	417246.870	4585681.915	26.050	muro	4074	417134.661	4585614.841	26.564	ct					
3797	417246.868	4585681.922	25.150	muro	4075	417142.373	4585619.969	26.265	ct					
3798	417243.928	4585681.841	24.970		4076	417141.904	4585621.314	26.208	ct					
4000	417167.878	4585645.985	24.645	ct	4077	417148.647	4585623.677	26.235	ct					
4001	417163.800	4585644.290	24.563	ct	4078	417148.938	4585623.115	26.219	ct					
4002	417161.721	4585642.667	24.555	ct	4079	417154.459	4585626.190	26.257	ct					
4003	417159.499	4585640.820	24.492	ct	4080	417154.418	4585626.975	26.371	ct					
4004	417162.770	4585638.461	24.700	ct	4081	417156.016	4585626.599	26.229	ct					
4005	417167.501	4585635.049	24.629	ct	4082	417156.858	4585628.355	26.091	ct					
4006	417171.797	4585630.492	25.163	ct	4083	417158.128	4585625.460	26.525	ct					
4007	417174.440	4585626.427	25.301	ct	4084	417157.739	4585625.066	26.502	ct					
4008	417177.446	4585627.456	26.028	ct	4085	417160.388	4585623.621	26.604	ct					
4009	417174.867	4585632.011	25.601	ct	4086	417160.764	4585624.010	26.658	ct					
4010	417171.687	4585636.912	25.178	ct	4088	417158.114	4585614.006	23.892	rell					
4011	417169.666	4585640.071	24.815	ct	4089	417150.594	4585620.082	24.097	ct					
4012	417168.596	4585637.854	24.826	rell	4090	417150.068	4585610.000	24.036	rell					
4013	417165.703	4585641.370	24.932	rell	4091	417139.726	4585604.103	23.983	rell					
4014	417171.026	4585628.504	24.226	ct	4092	417136.090	4585611.802	24.074	ct					
4015	417169.367	4585627.660	24.178	ct	4093	417128.560	4585607.731	24.036	ct					
4016	417165.912	4585634.531	24.128	ct	4094	417125.217	4585605.957	24.105	ct					
4017	417164.896	4585633.360	24.047	ct	4095	417128.829	4585598.003	23.905	rell					
4018	417157.898	4585637.758	23.978	ct	4096	417119.760	4585600.292	24.082	ct					
4019	417158.486	4585638.882	24.067	ct	4097	417117.622	4585596.333	24.135	ct					
4020	417157.124	4585641.466	24.052	ct	4098	417123.041	4585589.330	23.901	rell					
4021	417155.760	4585640.051	24.078	ct	4099	417116.871	4585591.905	24.021	ct					
4022	417165.340	4585627.158	25.939	enagas	4100	417116.893	4585586.637	24.182	ct					
4023	417167.206	4585626.579	25.456	ct	4101	417126.801	4585593.319	23.952	rell					

Actuación B - Estructura Ramal 1 P.K. 1+400 y Ramal 3 y Ramal 2 P.K. 2+150

173	416795.635	4585288.552	42.839	base	1973	416869.688	4585246.217	30.938	bord	2047	416856.348	4585245.815	24.822	cam	2121	416869.709	4585154.594	25.646	rell
1724	416857.684	4585248.413	25.542	muro	1974	416869.406	4585246.046	29.922	bord	2048	416855.585	4585245.807	24.856	ct	2122	416878.218	4585156.479	25.699	rell
1725	416862.969	4585250.409	28.838	muro	1975	416869.565	4585245.810	29.912	bord	2049	416851.298	4585242.135	25.135	ct	2123	416887.720	4585159.819	25.765	rell
1726	416863.324	4585250.547	28.863	muro	1976	416869.858	4585246.030	30.955	bord	2050	416847.505	4585239.737	24.994	ct	2124	416896.539	4585163.136	25.765	rell
1727	416853.417	4585263.105	29.037	muro	1977	416872.436	4585248.223	31.866	bord	2051	416838.914	4585240.679	24.825	ct	2125	416905.981	4585166.119	25.902	ct
1729	416853.272	4585263.111	29.417	muro	1978	416874.004	4585248.211	31.888	bord	2052	416842.672	4585241.858	24.505	ct	2126	416899.737	4585176.943	25.871	ct
1730	416845.041	4585264.201	29.420	muro	1979	416874.100	4585248.280	31.928	calz	2053	416849.888	4585246.318	23.805	ct	2127	416890.926	4585172.859	25.852	rell
1731	416843.468	4585264.385	30.195	muro	1980	416874.046	4585245.994	31.930	farola	2054	416857.066	4585249.753	23.340	ct	2128	416881.464	4585169.043	25.801	rell
1732	416828.523	4585264.560	30.139	muro	1981	416880.844	4585236.014	31.733	ct	2055	416857.653	4585248.456	23.501	muro	2129	416870.670	4585165.625	25.766	rell
1733	416826.998	4585264.517	30.883	muro	1982	416882.365	4585236.939	31.615	bord	2056	416857.411	4585257.256	23.277	ct	2130	416865.560	4585174.682	25.846	rell
1734	416815.908	4585263.872	30.846	muro	1983	416882.483	4585236.999	31.649	calz	2057	416847.914	4585252.351	23.689	ct	2131	416874.905	4585179.741	25.988	rell
1735	416813.400	4585263.696	30.839	muro	1984	416891.332	4585224.572	31.319	calz	2058	416843.573	4585249.582	23.846	ct	2132	416886.793	4585180.123	25.990	rell
1736	416802.355	4585286.229	42.812	calz	1985	416891.220	4585224.482	31.291	bord	2059	416837.201	4585247.277	24.475	ct	2133	416893.260	4585181.603	25.980	rell
1737	416801.504	4585284.058	42.588	ct	1986	416889.916	4585222.791	31.366	ct	2060	416832.117	4585248.172	25.074	ct	2134	416896.243	4585181.338	25.990	ct
1738	416808.415	4585281.704	42.354	ct	1987	416896.728	4585212.759	31.120	ct	2061	416835.460	4585248.334	25.290	ct	2135	416890.102	4585191.233	26.282	ct
1739	416809.367	4585284.686	42.714	calz	1988	416898.508	4585213.925	31.032	bord	2062	416840.531	4585250.746	25.513	ct	2136	416881.014	4585188.344	26.150	rell
1740	416818.259	4585283.654	42.476	calz	1989	416898.639	4585214.010	31.081	calz	2063	416846.367	4585255.071	25.560	ct	2137	416871.205	4585183.992	26.090	rell
1741	416814.895	4585280.329	42.186	ct	1990	416897.993	4585212.383	31.131	farola	2064	416850.366	4585256.329	24.983	ct	2138	416861.622	4585180.244	25.932	rell
1742	416817.551	4585280.463	42.140	ct	1991	416907.775	4585200.277	30.820	calz	2065	416854.405	4585257.491	24.339	ct	2139	416853.324	4585188.440	26.055	rell
1743	416818.594	4585281.727	42.446	ct	1992	416907.681	4585200.205	30.786	bord	2066	416828.266	4585249.593	25.402	cam	2140	416861.083	4585192.831	25.928	rell
1744	416818.560	4585282.916	42.650	ct	1993	416905.964	4585198.913	30.781	ct	2067	416819.575	4585253.169	25.611	cam	2141	416873.226	4585197.816	26.111	rell
1745	416821.493	4585283.533	42.468		1994	416914.367	4585186.748	30.630	ct	2068	416812.028	4585255.233	25.872	cam	2142	416878.939	4585200.949	26.189	rell
1746	416821.565	4585283.552	42.468	acera	1995	416915.869	4585187.591	30.551	bord	2069	416804.010	4585256.108	25.922	cam	2143	416882.666	4585202.123	26.260	ct
1747	416821.687	4585290.598	42.097	acera	1996	416915.962	4585187.678	30.603	calz	2070	416794.623	4585257.623	25.874	cam	2144	416882.642	4585202.120	26.269	ct
1748	416820.925	4585283.522	42.483	calz	1997	416924.146	4585174.927	30.333	calz	2071	416783.306	4585259.818	26.049	cam	2145	416876.679	4585210.882	25.985	ct
1749	416829.054	4585283.805	42.215	calz	1998	416923.992	4585174.841	30.283	bord	2072	416776.313	4585261.746	26.052	cam	2146	416872.806	4585208.673	26.039	rell
1750	416835.772	4585284.610	41.907	calz	1999	416922.674	4585173.374	30.221	ct	2073	416765.665	4585265.783	26.144	cam	2147	416868.106	4585216.287	26.073	rell
1751	416835.921	4585283.951	42.214	muro	2000	416921.307	4585176.986	30.379	farola	2074	416766.672	4585265.528	26.083	pozsan	2148	416871.856	4585218.969	26.021	ct
1752	416829.346	4585283.093	42.478	muro	2001	416857.119	4585247.230	24.732	cun	2075	416756.612	4585271.499	26.118	cam	2149	416869.561	4585221.734	26.031	ct
1753	416821.605	4585282.816	42.733	muro	2002	416856.896	4585246.946	24.337	cun	2076	416753.197	4585265.568	25.991	cam	2150	416868.361	4585222.298	26.134	ct
1754	416839.385	4585278.639	31.499	ct	2003	416856.182	4585246.413	24.725	cun	2077	416762.652	4585260.412	25.936	cam	2151	416867.290	4585221.863	26.098	ct
1755	416836.099	4585279.237	31.996	ct	2004	416856.017	4585246.133	24.946	arqap	2078	416764.387	4585263.310	26.040	rell	2152	416865.440	4585220.226	26.012	ct
1756	416836.452	4585273.195	30.593	ct	2005	416870.495	4585232.595	24.830	cun	2079	416754.247	4585269.325	26.087	rell	2153	416864.591	4585220.402	26.082	ct
1757	416831.047	4585268.826	30.538	ct	2006	416870.247	4585232.437	24.522	cun	2080	416772.915	4585259.539	26.005	rell	2154	416862.992	4585221.851	26.050	ct
1758	416825.944	4585265.847	30.937	ct	2007	416869.865	4585232.086	24.470	cun	2081	416772.351	4585256.553	25.882	cam	2155	416862.766	4585222.946	25.983	ct
1759	416821.478	4585264.813	30.931	ct	2008	416869.586	4585231.914	24.832	cun	2082	416783.100	4585254.380	25.848	cam	2156	416863.415	4585225.167	25.926	ct
1760	416821.462	4585264.804	30.949	ct	2009	416869.143	4585231.459	25.206	cam	2083	416784.842	4585256.811	26.014	rell	2157	416860.899	4585223.262	26.073	rell
1761	416827.016	4585265.181	30.905	ct	2010	416878.657	4585219.992	25.272	cam	2084	416783.683	4585252.931	25.854	cam	2158	416855.326	4585227.445	26.236	rell
1762	416836.652	4585265.803	30.450	ct	2011	416879.310	4585220.534	24.861	cun	2085	416793.537	4585249.412	25.891	cam	2159	416856.032	4585229.649	26.132	ct
1763	416846.671	4585264.907	30.081	ct	2012	416879.543	4585220.735	24.539	cun	2086	416795.955	4585253.107	25.781	rell	2160	416848.102	4585231.387	26.214	ct
1764	416846.712	4585264.883	30.083	cun	2013	416879.951	4585221.004	24.552	cun	2087	416802.927	4585251.685	25.826	rell	2161	416847.485	4585228.432	26.299	rell
1765	416846.860	4585264.889	30.055	cun	2014	416880.140	4585221.347	24.925	cun	2088	416803.382	4585244.862	26.217	rell	2162	416839.368	4585232.483	26.316	ct
1766	416847.146	4585264.861	29.643	cun	2015	416887.442	4585207.602	25.139	cam	2089	416808.974	4585250.067	25.536	rell	2163	416833.904	4585235.901	26.160	ct
1767	416847.542	4585264.823	29.673	cun	2016	416887.745	4585207.850	24.931	cun	2090	416814.466	4585251.363	25.534	rell	2164	416832.151	4585236.122	26.288	ct
1768	416847.805	4585264.798	30.066	cun	2017	416887.955	4585208.083	24.577	cun	2091	416822.878	4585248.048	25.306	rell	2165	416828.309	4585239.197	26.300	ct
1769	416845.341	4585270.489	30.238	cun	2018	416888.334	4585208.310	24.563	cun	2092	416831.216	4585243.767	24.997	rell	2166	416821.697	4585242.115	26.401	ct
1770	416845.144	4585270.397	29.859	cun	2019	416888.631	4585208.569	24.910	cun	2093	416838.973	4585243.385	24.516	rell	2167	416815.581	4585244.539	26.452	ct
1771	416844.870	4585270.197	29.874	cun	2020	416896.512	4585193.830	25.183	cam	2094	416845.824	4585246.871	23.926	rell	2168	416811.934	4585245.284	26.455	ct
1772	416844.733	4585270.024	30.261	cun	2021	416896.838	4585194.047	25.041	cun	2095	416854.069	4585251.791	23.422	rell	2169	416809.092	4585242.638	26.277	ct
1773	416839.835	4585269.190	30.391	rell	2022	416897.152	4585194.328	24.646	cun	2096	416865.156	4585223.386	25.483	tat	2170	416814.720	4585239.864	26.577	rell
1774	416839.807	4585273.560	30.560	rell	2023	416897.531	4585194.530	24.627	cun	2097	416864.006	4585222.794	25.467	tat	2171	416821.628	4585235.602	26.379	rell
1775	416840.346	4585277.032	31.137	rell	2024	416897.776	4585194.795	24.998	cun	2098	416864.598	4585221.644	25.480	tat	2172	416825.401	4585236.636	26.487	rell
1776	416842.132	4585276.863	30.924	cun	2025	416904.577	4585181.449	25.200	cam	2099	416865.748	4585222.23							

2195	416848.115	4585216.260	26.187	rell	2294	416853.737	4585262.681	23.140	muro	3268	416956.513	4585216.008	29.693	ct	3345	416967.024	4585219.300	24.121	arqueton
2196	416843.974	4585212.148	26.215	rell	2295	416843.914	4585263.057	23.186	of-1000	3269	416946.705	4585246.996	28.674	muro	3346	416966.089	4585220.606	24.120	arqueton
2197	416839.536	4585208.815	26.212	rell	2296	416836.980	4585260.019	23.232	of-600	3270	416950.650	4585235.578	28.751	muro	3347	416967.807	4585224.035	24.071	arqueton
2198	416834.997	4585203.381	26.420	rell	2297	416824.740	4585259.511	23.197		3271	416949.771	4585271.871	27.644	rell	3348	416969.515	4585223.147	24.100	arqueton
2199	416864.556	4585193.500	25.971	ct	2298	416809.325	4585258.583	23.273		3272	416958.568	4585274.601	26.748	rell	3349	416970.323	4585220.690	24.111	arqueton
2200	416867.809	4585193.431	26.024	ct	2299	416796.768	4585258.539	23.325		3273	416964.237	4585265.736	25.784	rell	3350	416969.390	4585221.697	24.902	pozsan
2201	416869.454	4585199.984	26.101	ct	2300	416784.326	4585260.443	23.389		3274	416958.202	4585263.764	26.390	rell	3351	416957.914	4585240.279	22.902	
2202	416869.863	4585204.618	26.141	ct	2301	416772.294	4585264.287	23.433		3275	416953.242	4585261.452	26.834	rell	3354	416941.885	4585238.192	23.752	canaleta
2203	416866.744	4585210.749	26.046	ct	2302	416761.085	4585269.980	23.491		3276	416955.705	4585254.095	25.880	rell	3355	416941.755	4585238.237	22.946	cam
2204	416862.871	4585216.892	26.110	ct	2303	416773.732	4585267.883	23.419		3277	416963.061	4585254.852	25.376	rell	3357	416946.340	4585246.822	23.099	muro
2205	416857.664	4585223.188	26.229	ct	2304	416785.184	4585264.222	23.353		3278	416970.568	4585256.018	25.320	rell	3358	416946.312	4585246.830	26.859	muro
2206	416852.810	4585226.032	26.323	ct	3202	416952.009	4585249.071	25.152	ct	3279	416973.425	4585247.857	24.822	rell	3362	416950.667	4585235.582	23.831	muro
2207	416847.410	4585226.812	26.373	ct	3203	416952.759	4585249.221	24.928	ct	3280	416966.503	4585247.242	24.619	rell	3363	416950.242	4585236.781	23.775	muro
2208	416841.037	4585226.171	26.459	ct	3204	416953.199	4585250.015	25.543	ct	3281	416954.693	4585248.046	24.820	ct	3364	416950.236	4585236.799	23.038	muro
2209	416833.641	4585217.699	27.716	ct	3205	416950.812	4585257.627	26.714	ct	3282	416960.285	4585244.075	23.916	ct	3365	416942.771	4585236.912	24.922	muro
2210	416831.931	4585217.546	27.623	ct	3206	416950.064	4585256.525	26.310	ct	3283	416967.562	4585242.251	23.847	ct	3366	416935.484	4585248.681	24.924	muro
2211	416832.583	4585218.761	27.634	ct	3207	416948.954	4585256.273	26.731	ct	3284	416972.468	4585241.106	24.125	ct	3370	416947.171	4585260.333	26.750	cun
2212	416836.194	4585221.128	27.641	ct	3208	416948.039	4585267.607	27.573	ct	3285	416972.553	4585240.750	24.019	arqueton	3371	416947.345	4585260.085	26.760	cun
2213	416837.073	4585220.136	27.630	ct	3209	416945.667	4585266.985	26.779	ct	3286	416973.168	4585238.310	24.002	arqueton	3372	416955.231	4585231.770	23.530	canaleta
2214	416844.050	4585222.959	27.612	ct	3210	416944.511	4585266.785	27.159	ct	3287	416975.468	4585238.925	24.024	arqueton	3373	416947.085	4585245.052	23.020	cun
2215	416843.915	4585224.245	27.593	ct	3211	416947.550	4585259.806	26.838	cun	3288	416975.075	4585240.469	24.003	arqueton	3374	416947.284	4585244.503	23.120	cam
2216	416850.659	4585224.440	27.448	ct	3212	416947.010	4585260.570	26.903	cun	3289	416973.718	4585240.863	24.020	pozsan	3375	416937.777	4585259.491	30.100	ct
2217	416850.090	4585222.828	27.459	ct	3213	416943.091	4585259.540	28.164	cun	3290	416963.317	4585246.457	24.349	arqueton	3376	416960.561	4585220.486	26.420	ct
2218	416854.772	4585220.433	27.358	ct	3214	416943.225	4585259.279	28.006	cun	3291	416961.649	4585247.105	24.369	arqueton	3377	416962.733	4585216.997	26.350	ct
2219	416855.782	4585221.935	27.322	ct	3215	416943.283	4585259.057	28.003	cun	3292	416960.532	4585244.324	23.993	arqueton	3378	416862.865	4585240.944	24.780	cun
2220	416860.117	4585216.508	27.272	ct	3216	416943.357	4585258.706	28.313	cun	3293	416962.196	4585243.683	23.887	arqueton	3379	416863.057	4585240.734	24.780	cun
2221	416859.092	4585215.325	27.358	ct	3217	416939.782	4585257.809	29.995	cun	3294	416975.221	4585236.109	22.726	cun	3380	416864.441	4585226.257	25.450	ct
2222	416862.537	4585209.228	27.613	ct	3218	416939.757	4585257.895	29.874	cun	3295	416975.343	4585235.563	22.721	cun	3381	416863.441	4585222.831	25.500	ct
2223	416863.866	4585209.604	27.488	ct	3219	416939.661	4585258.121	29.882	cun	3296	416975.328	4585234.954	22.866	cam	3382	416864.732	4585220.843	25.515	ct
2224	416864.873	4585205.316	27.636	ct	3220	416939.678	4585258.217	29.983	cun	3297	416966.455	4585238.287	23.041	cam	3383	416868.360	4585223.248	25.360	ct
2225	416866.277	4585205.644	27.518	ct	3221	416939.623	4585258.235	29.908	bord	3298	416966.571	4585238.663	22.955	cun	3384	416857.639	4585257.667	24.110	muro
2226	416867.023	4585202.141	27.415	ct	3222	416937.633	4585259.445	30.021	bord	3299	416966.605	4585239.228	22.865	cun	3385	416856.483	4585246.603	24.350	cun
2227	416865.351	4585201.638	27.381	ct	3223	416937.435	4585259.481	30.075	calz	3300	416957.442	4585243.196	22.638	cun	3386	416824.741	4585259.493	25.900	muro
2228	416864.916	4585197.070	27.384	ct	3224	416939.249	4585259.997	29.968	ct	3301	416957.006	4585242.349	22.632	cun	3387	416809.324	4585258.564	25.970	muro
2229	416865.183	4585195.676	27.357	ct	3225	416936.607	4585268.201	30.067	ct	3302	416956.765	4585241.766	22.874	cam	3388	416796.767	4585258.512	26.020	muro
2230	416866.363	4585196.691	27.311	ct	3226	416935.351	4585267.923	30.167	ct	3303	416949.821	4585243.800	22.957	cam	3389	416784.321	4585260.420	26.090	muro
2240	416782.526	4585248.678	26.716		3227	416935.179	4585267.904	30.081	bord	3304	416949.889	4585244.226	22.820	cun	3390	416772.285	4585264.265	26.130	muro
2243	416775.851	4585268.183	26.898	muro	3228	416935.056	4585267.836	30.133	calz	3305	416950.184	4585245.227	22.916	cun	3391	416761.082	4585269.965	26.190	muro
2244	416776.369	4585267.979	27.167	muro	3229	416939.659	4585257.786	29.928	bord	3306	416950.478	4585248.314	24.637	muro	3392	416831.102	4585258.380	26.100	pozsan
2245	416785.049	4585265.249	27.205	muro	3230	416938.496	4585256.626	30.017	bord	3307	416959.253	4585228.392	23.729	muro	3393	416773.737	4585267.895	26.120	MURO
2246	416786.446	4585264.955	27.896	muro	3231	416938.358	4585256.540	30.065	calz	3308	416959.190	4585228.414	24.877	muro	3394	416785.193	4585264.252	26.050	MURO
2247	416792.358	4585263.899	27.900	muro	3232	416938.721	4585256.544	30.159	ct	3309	416950.463	4585248.349	25.781	muro	3395	416786.444	4585264.938	26.050	MURO
2248	416793.828	4585263.682	28.635	muro	3233	416939.839	4585257.006	30.077	ct	3310	416951.161	4585236.630	23.035	canaleta	3396	416785.046	4585265.232	26.050	MURO
2249	416799.832	4585263.203	28.616	muro	3234	416942.997	4585247.766	29.998	ct	3311	416955.883	4585232.583	23.190	canaleta	3397	416776.367	4585267.967	26.120	MURO
2250	416801.332	4585263.163	29.373	muro	3235	416941.914	4585247.203	30.036	ct	3312	416955.905	4585232.518	23.531	canaleta	3398	416775.845	4585268.171	26.150	MURO
2251	416804.390	4585263.156	29.349	muro	3236	416941.724	4585247.107	29.973	bord	3313	416951.157	4585236.606	23.939	canaleta	3399	416797.024	4585262.399	26.020	MURO
2252	416805.808	4585263.225	30.090	muro	3237	416941.596	4585247.097	30.002	calz	3314	416952.287	4585236.756	22.902	cam	3400	416792.355	4585263.882	26.050	MURO
2253	416812.322	4585263.595	30.359	muro	3238	416944.778	4585238.670	29.967	calz	3315	416959.209	4585234.448	22.952	cam	3401	416793.827	4585263.667	26.030	MURO
2254	416809.980	4585263.451	30.107	muro	3239	416944.927	4585238.693	29.913	bord	3316	416968.606	4585231.569	23.116	cam	3402	416809.029	4585262.455	25.970	muro
2255	416848.524	4585238.241	25.101		3240	416945.087	4585238.769	30.049	ct	3317	416978.347	4585229.534	22.994	cam	3403	416809.982	4585263.422	25.980	muro
2256	416848.520	4585238.239	25.096		3241	416946.360	4585239.392	29.902	ct	3318	416953.001	4585239.239	22.832	rell	3404	416805.809	4585263.204	25.990	muro
2257	416837.558	4585245.672	24.450		3242	416946.435	4585238.538	29.939	farola	3319	416962.405	4585236.165	23.004	rell	3405	416804.390	4585263.138	26.010	muro
2261	416836.715	4585244.646	24.555		3243	416946.657	4585237.694	29.929	arqal	3320	416971.203	4585233.701	22.861	rell	3406	416801.332	4585263.146	26.0	

3613	416790.707	4585226.855	26.592	cam	3690	416973.338	4585193.787	27.355	ct	3767	416989.928	4585237.395	22.862	cun	3845	416971.203	4585186.283	29.806	ct
3614	416784.468	4585221.533	26.693	cam	3691	416973.825	4585194.071	27.454	ct	3768	416990.002	4585237.481	22.964	cun	3846	416969.593	4585185.018	29.829	bord
3615	416776.832	4585216.797	26.697	cam	3692	416972.479	4585197.181	27.230	ct	3769	416988.786	4585239.848	23.394	cun	3847	416969.475	4585184.944	29.871	calz
3616	416769.833	4585212.408	26.625	cam	3693	416974.182	4585210.825	25.191	rell	3770	416988.333	4585239.817	22.882	cun	3848	416971.086	4585184.182	30.010	arqal
3617	416773.052	4585208.233	26.570	cam	3694	416978.655	4585213.394	24.831	rell	3771	416987.866	4585239.583	22.966	cun	3849	416978.849	4585171.409	29.937	ct
3618	416780.605	4585214.003	26.723	cam	3695	416984.606	4585209.025	25.012	rell	3772	416987.559	4585239.398	23.324	cam	3850	416977.131	4585170.056	29.964	bord
3619	416787.876	4585219.165	26.792	cam	3696	416979.328	4585204.205	25.524	rell	3773	416985.622	4585243.195	23.659	cam	3851	416976.998	4585170.034	30.011	calz
3620	416794.825	4585225.835	26.579	cam	3697	416989.626	4585200.329	25.624	rell	3774	416986.087	4585243.305	23.177	cun	3852	416997.575	4585210.147	25.500	cun
3621	416799.530	4585230.319	26.630	cam	3698	416993.481	4585203.667	25.565	rell	3775	416986.535	4585243.446	23.098	cun	3853	416826.120	4585211.760	26.500	cam
3622	416804.616	4585232.011	26.565	cam	3699	416999.188	4585193.849	26.654	rell	3776	416987.003	4585243.634	23.664	cun	3854	416818.324	4585221.142	26.560	cam
3623	416808.641	4585231.250	26.639	cam	3700	417003.430	4585183.947	27.562	rell	3777	416987.293	4585243.869	23.750	alamb					
3624	416812.090	4585228.809	26.721	cam	3701	417007.513	4585185.010	27.558	cam	3778	416984.984	4585252.303	24.487	alamb					
3625	416805.119	4585220.389	26.611	rell	3702	417012.097	4585186.972	27.543	cam	3779	416984.741	4585252.181	24.439	cun					
3626	416796.871	4585214.553	26.669	rell	3703	417012.576	4585187.262	27.009	cun	3780	416984.222	4585251.979	23.921	cun					
3627	416789.603	4585202.842	26.600	rell	3704	417013.020	4585187.438	27.045	cun	3781	416983.785	4585251.856	23.918	cun					
3628	416798.827	4585199.729	26.470	rell	3705	417013.575	4585187.603	27.517	cun	3782	416983.268	4585251.716	24.413	cam					
3629	416803.993	4585207.409	26.532	rell	3706	417013.928	4585187.713	27.506	alamb	3783	416981.036	4585260.469	25.000	cam					
3630	416811.942	4585204.339	26.520	rell	3707	417009.563	4585196.858	27.182	alamb	3784	416981.495	4585260.703	24.504	cun					
3631	416817.113	4585212.747	26.557	rell	3708	417009.474	4585196.858	27.152	alamb	3785	416981.980	4585260.846	24.498	cun					
3632	416813.110	4585219.406	26.604	rell	3709	417009.146	4585196.745	27.016	cun	3786	416982.498	4585261.048	24.967	cun					
3633	416842.341	4585195.888	26.152	rell	3710	417008.738	4585196.389	26.499	cun	3787	416982.790	4585261.132	25.035	alamb					
3634	416817.349	4585195.792	26.208	rell	3711	417008.303	4585196.199	26.532	cun	3788	416980.406	4585268.603	25.154	alamb					
3635	416823.713	4585194.075	26.435	rell	3712	417007.824	4585195.989	27.062	cam	3789	416980.136	4585268.606	25.154	cun					
3636	416829.071	4585192.928	26.453	rell	3713	417003.425	4585193.867	26.993	cam	3790	416979.668	4585268.456	24.586	cun					
3637	416830.521	4585197.725	26.398	rell	3714	416998.451	4585201.790	26.117	cam	3791	416979.193	4585268.288	24.641	cun					
3638	416843.852	4585188.951	26.132	rell	3715	417002.098	4585205.299	26.116	cam	3792	416978.637	4585268.303	25.121	cun					
3639	416847.321	4585187.085	26.093	rell	3716	417002.428	4585205.810	25.540	cun	3793	416975.090	4585278.371	25.325	cam					
3640	416854.570	4585181.250	25.872	rell	3717	417002.797	4585206.087	25.585	cun	3794	416975.605	4585278.609	24.810	cun					
3641	416858.683	4585170.907	25.746	rell	3718	417003.209	4585206.458	26.096	cun	3795	416976.078	4585278.744	24.780	cun					
3642	416861.686	4585160.337	25.618	rell	3719	417003.417	4585206.620	26.152	alamb	3796	416976.565	4585278.950	25.326	cun					
3643	416796.365	4585234.137	26.478	ct	3720	416997.216	4585209.901	25.520	cam	3797	416976.930	4585279.088	25.336	alamb					
3644	416798.582	4585238.567	26.465	ct	3721	416992.091	4585215.814	24.589	cam	3798	416970.412	4585277.531	25.522	cam					
3645	416799.118	4585240.804	26.419	ct	3722	416988.917	4585218.464	24.410	cam	3799	416972.470	4585268.229	25.329	cam					
3646	416797.071	4585243.046	26.577	ct	3723	416985.460	4585220.599	24.209	cam	3800	416974.989	4585258.989	25.075	cam					
3647	416793.669	4585245.912	26.608	ct	3724	416984.658	4585221.677	23.991	cam	3801	416977.169	4585252.218	24.713	cam					
3648	416789.555	4585248.289	26.665	ct	3725	416984.752	4585223.193	23.581	cam	3802	416978.922	4585245.924	24.111	cam					
3649	416782.988	4585249.914	26.621	ct	3726	416987.442	4585224.002	23.156	cam	3803	416980.124	4585241.274	23.662	cam					
3650	416775.261	4585252.512	26.595	ct	3727	416996.681	4585222.713	22.765	cam	3804	416980.593	4585237.669	23.207	cam					
3651	416774.421	4585243.355	26.666	rell	3728	416996.883	4585221.192	22.685	ct	3805	416980.165	4585234.899	22.672	cam					
3652	416782.760	4585236.169	26.674	rell	3729	416992.472	4585221.233	22.912	ct	3806	416978.102	4585234.003	22.716	cam					
3653	416789.399	4585239.244	26.641	rell	3730	416991.263	4585220.614	22.868	ct	3808	416979.346	4585234.947	22.680	ct					
3654	416783.820	4585228.311	26.662	rell	3731	416989.179	4585221.693	23.047	ct	3809	416975.832	4585238.916	23.652	ct					
3655	416773.798	4585231.270	26.838	rell	3732	416988.661	4585222.934	23.151	ct	3810	416975.830	4585238.916	23.674	ct					
3656	416769.629	4585220.209	26.711	rell	3733	416994.097	4585225.623	22.741	rell	3811	416977.409	4585240.423	23.849	ct					
3657	416776.702	4585218.696	26.686	rell	3734	416993.892	4585230.258	22.601	rell	3812	416978.179	4585242.576	24.042	ct					
3658	416971.120	4585210.635	25.410	ct	3735	416982.243	4585232.734	22.686	rell	3813	416977.660	4585246.961	24.478	ct					
3659	416974.083	4585204.691	26.010	ct	3736	416981.336	4585228.620	22.984	rell	3814	416975.327	4585250.070	24.924	ct					
3660	416974.889	4585200.766	26.427	ct	3737	416976.480	4585224.564	23.683	cam	3815	416972.938	4585256.308	25.254	ct					
3661	416980.588	4585200.225	26.026	ct	3738	416979.220	4585219.497	24.055	cam	3816	416970.921	4585263.691	25.436	ct					
3662	416987.156	4585197.321	26.054	ct	3739	416982.091	4585220.618	24.069	rell	3817	416969.018	4585269.954	25.451	ct					
3663	416994.281	4585193.752	26.369	ct	3740	416986.201	4585216.121	24.350	rell	3818	416966.751	4585275.981	25.582	ct					
3664	416996.497	4585189.970	26.892	ct	3741	416984.810	4585213.246	24.434	cam	3819	416969.448	4585276.724	25.636	arqueton					
3665	416998.356	4585184.168	27.382	ct	3742	416989.604	4585209.611	24.912	cam	3820	416969.776	4585275.019	25.626	arqueton					
3666	416994.654	4585182.048	29.145	ct	3743	416994.140	4585205.993	25.498	cam	3821	416968.078	4585274.692	25.648	arqueton					
3667	416992.630	4585187.070	28.729	ct	3744	416998.092	4585210.492	25.023	cun	3822	416967.778	4585276.359	25.526	arqueton					
3668	416990.985	4585190.166	28.474	ct	3745	416998.441	4585210.847	24.954	cun	3823	416964.455	4585276.133	26.080	rell					
3669	416987.331	4585190.847	28.494	ct	3746	416998.702	4585211.360	25.508	cun	3824	416959.259	4585275.335	26.797	rell					
3670	416983.255	4585192.245	28.615	ct	3747	416998.879	4585211.576	25.532	alamb	3825	416953.274	4585275.155	27.528	rell					
3671	416979.012	4585192.399	28.555	ct	3748	416996.409	4585214.342	24.811	cun	3826	416955.757	4585268.321	27.084	rell					
3672	416976.634	4585190.859	28.652	ct	3749	416995.957	4585213.950	24.357	cun	3827	416962.192	4585269.309	26.146	rell					
3673	416978.684	4585190.889	28.779	ct	3750	416995.571	4585213.752	24.422	cun	3828	416966.977	4585261.016	25.482	rell					
3674	416981.945																		

Actuación B - Marco Ramal 1 P.K. 1+800

3001	417068.843	4584925.975	26.922	bord	3075	417074.152	4584915.126	26.888	calz	3149	417076.545	4584902.280	23.194	cun
3002	417066.279	4584925.202	26.866	ct	3076	417069.529	4584925.241	26.975	calz	3150	417076.557	4584903.722	23.814	cun
3003	417070.439	4584916.695	26.753	ct	3077	417054.560	4584924.601	25.250	ct	3151	417068.067	4584889.079	26.772	ct
3004	417072.973	4584916.979	26.839	bord	3078	417053.129	4584923.979	25.339	cam	3152	417068.827	4584888.749	26.726	ct
3005	417072.541	4584915.605	26.769	bord	3079	417049.900	4584922.840	25.353	cam	3153	417074.017	4584891.043	26.460	ct
3006	417068.622	4584926.065	27.084	ct	3080	417047.603	4584921.932	25.727	ct	3154	417073.475	4584892.070	26.390	ct
3007	417072.765	4584916.926	26.983	ct	3081	417050.561	4584913.190	26.084	ct	3155	417072.759	4584891.184	26.557	gas nat
3008	417072.356	4584915.682	26.836	ct	3082	417051.170	4584914.260	26.606	pozsan	3156	417079.321	4584895.422	25.995	ct
3009	417069.852	4584914.240	26.052	ct	3083	417053.767	4584914.893	25.825	cam	3157	417079.776	4584892.995	25.977	ct
3010	417069.748	4584914.362	26.048	ct	3084	417056.464	4584915.938	25.788	cam	3158	417078.244	4584890.473	25.069	ct
3011	417069.848	4584914.131	25.981	bord	3085	417057.442	4584916.363	25.780	ct	3159	417074.149	4584888.073	25.048	ct
3012	417069.723	4584914.265	25.137	muro	3086	417054.863	4584909.309	26.269	cam	3160	417072.319	4584887.192	25.032	ct
3013	417068.721	4584913.694	25.147	muro	3087	417053.269	4584908.508	26.326	ct	3161	417078.370	4584888.974	24.421	cun
3014	417068.523	4584913.444	25.144	muro	3088	417053.980	4584905.344	26.649	ct	3162	417078.162	4584888.748	23.935	cun
3015	417067.421	4584912.869	24.975	muro	3089	417054.452	4584905.121	26.581	cam	3163	417078.003	4584888.681	23.943	cun
3016	417067.365	4584912.924	25.063	ct	3090	417053.103	4584903.525	26.847	cam	3164	417077.709	4584888.049	24.423	cun
3017	417065.962	4584912.175	24.177	ct	3091	417050.128	4584901.894	26.386	cam	3165	417077.602	4584886.810	24.836	ct
3018	417066.043	4584912.082	24.167	muro	3092	417051.519	4584903.199	26.470	ct	3166	417076.852	4584884.297	24.988	ct
3019	417066.205	4584911.791	24.166	muro	3093	417046.898	4584910.982	26.322	ct	3167	417078.712	4584884.325	24.821	ct
3020	417066.304	4584911.727	24.322	ct	3094	417044.280	4584910.173	26.340	rell	3168	417081.256	4584878.453	24.402	ct
3021	417067.621	4584912.459	25.023	ct	3095	417040.237	4584917.512	26.272	rell	3169	417079.663	4584877.136	24.813	ct
3022	417067.604	4584912.559	24.968	muro	3096	417042.705	4584919.282	26.187	ct	3170	417083.587	4584874.609	24.354	cun
3023	417068.764	4584913.193	25.162	muro	3097	417044.462	4584920.114	26.933	ct	3171	417083.912	4584874.709	23.990	cun
3024	417069.041	4584913.200	25.154	muro	3098	417045.436	4584920.734	26.883	ct	3172	417084.182	4584874.832	23.964	cun
3025	417070.021	4584913.749	25.134	muro	3099	417048.629	4584912.786	27.016	ct	3173	417084.460	4584875.011	24.343	cun
3026	417068.798	4584912.937	25.332	ct	3100	417047.966	4584912.255	27.020	ct	3174	417080.230	4584881.636	24.315	cun
3027	417070.180	4584913.671	25.956	ct	3101	417052.287	4584904.316	27.194	ct	3175	417080.519	4584881.820	23.927	cun
3028	417070.064	4584913.735	26.035	muro	3102	417053.026	4584904.736	27.250	ct	3176	417080.751	4584881.930	23.984	cun
3029	417069.980	4584913.896	25.989	muro	3103	417050.208	4584893.554	26.475	ct	3177	417081.178	4584882.159	24.570	cun
3030	417071.094	4584914.500	26.387	muro	3104	417049.748	4584895.884	26.482	cam	3178	417079.270	4584884.012	24.363	cun
3031	417071.153	4584914.453	26.489	ct	3105	417056.592	4584899.065	26.535	cam	3179	417079.540	4584884.181	23.884	cun
3032	417072.762	4584915.178	26.847	ct	3106	417061.728	4584901.165	26.349	cam	3180	417079.774	4584884.348	23.897	cun
3033	417072.677	4584915.346	26.763	bord	3107	417061.398	4584903.672	26.209	cam	3181	417080.081	4584884.414	24.377	cun
3034	417073.164	4584915.469	26.799	bord	3108	417058.291	4584911.386	26.160	cam	3182	417072.326	4584897.720	23.826	rell
3035	417073.788	4584915.153	26.830	bord	3109	417058.978	4584911.734	26.125	ct	3183	417061.734	4584893.290	24.304	rell
3036	417073.190	4584915.281	26.924	ct	3110	417062.046	4584905.264	26.101	ct	3185	417079.858	4584896.448	22.756	cun
3037	417073.639	4584915.042	27.011	ct	3111	417065.493	4584901.133	26.274	ct	3186	417076.815	4584903.200	22.874	cun
3038	417072.272	4584913.837	26.760	ct	3112	417064.213	4584898.474	26.416	ct	3188	417081.513	4584904.505	24.166	
3039	417075.511	4584906.059	26.774	ct	3113	417063.412	4584899.138	26.640	ct	3194	417083.896	4584896.914	23.842	
3040	417077.513	4584906.926	26.767	bord	3114	417062.772	4584900.540	26.654	ct	3202	417081.293	4584881.910	24.550	CUN
3041	417076.713	4584905.542	26.917	farola	3115	417057.408	4584898.467	26.767	ct	3203	417077.449	4584906.832	26.910	ct
3042	417075.413	4584904.425	25.825	muro	3116	417057.704	4584897.263	26.803	ct	3204	417081.790	4584896.812	26.850	ct
3043	417076.081	4584904.147	26.345	muro	3117	417057.938	4584896.473	26.613	ct	3205	417085.047	4584889.203	26.840	ct
3044	417076.572	4584903.988	26.440	muro	3118	417057.070	4584892.412	24.373	ct					
3045	417081.936	4584896.799	26.698	bord	3119	417057.756	4584890.536	24.313	ct					
3046	417076.958	4584905.943	26.749	ct	3120	417057.838	4584889.114	25.143	ct					
3047	417080.908	4584896.648	26.763	ct	3121	417058.706	4584887.094	25.425	ct					
3048	417079.897	4584896.442	26.458	muro	3122	417065.978	4584889.953	25.766	ct					
3049	417079.713	4584896.292	26.377	muro	3123	417066.112	4584891.357	25.494	ct					
3050	417079.061	4584895.853	25.575	muro	3124	417064.658	4584892.679	24.440	ct					
3051	417081.705	4584894.638	26.961	arqdg	3125	417063.930	4584895.030	24.391	ct					
3052	417081.156	4584894.536	26.753	ct	3126	417068.739	4584896.872	24.315	ct					
3053	417082.749	4584889.179	26.703	ct	3127	417071.006	4584899.682	24.121	ct					
3054	417084.201	4584888.850	26.882	farola	3128	417073.612	4584898.521	23.780	ct					
3055	417085.208	4584889.277	26.676	bord	3129	417077.270	4584897.026	23.578	ct					
3056	417086.670	4584885.871	26.678	bord	3130	417073.533	4584895.863	23.970	ct					
3057	417086.502	4584885.826	26.855	ct	3131	417078.530	4584897.548	23.060	cun					
3058	417084.287	4584885.715	26.610	ct	3132	417074.572	4584898.739	23.443	cun					
3059	417086.193	4584884.698	26.703	ct	3133	417071.530	4584900.281	23.587	cun					
3060	417086.338	4584884.589	26.594	bord	3134	417068.573	4584904.008	23.635	cun					
3061	417086.428	4584884.328	26.595	bord	3135	417064.209	4584910.580	23.606	cun					
3062	417086.816	4584884.441	26.625	bord	3136	417059.848	4584919.935	23.664	cun					
3063	417087.448	4584884.097	26.649	bord	3137	417053.958	4584932.564	23.650	cun					
3064	417085.743	4584882.753	26.553	ct	3138	417054.387	4584933.851	23.678	cun					
3065	417086.419	4584884.131	26.654	ct	3139	417058.410	4584925.143	23.638	cun					
3066	417086.843	4584884.257	26.738	ct	3140	417062.218	4584916.816	23.608	cun					
3067	417087.251	4584884.000	26.753	ct	3141	417065.087	4584911.544	23.604	cun					
3068	417088.755	4584874.662	26.487	ct	3142	417065.537	4584911.780	23.924	cun					
3069	417090.605	4584876.000	26.728	ct	3143	417065.758	4584911.508	23.932	cun					
3070	417090.792	4584876.137	26.573	bord	3144	417065.398	4584911.051	23.599	cun					
3071	417091.125	4584876.262	26.639	calz	3145	417068.284	4584906.446	23.578	cun					
3072	417087.251	4584885.438	26.709	calz	3146	417069.829	4584904.212	23.584	cun					
3073	417082.898	4584895.452	26.771	calz	3147	417072.428	4584902.680	23.493	cun					
3074	417078.730	4584904.926	26.854	calz	3148	417074.954	4584902.138	23.302	cun					

Actuación B - Ramal 9 P.K. 9+205

76	416707.245	4585370.906	33.550	1i	150	416781.856	4585336.064	32.740	11f	224	416707.745	4585375.838	33.770	8	298	416794.641	4585380.078	25.020	18
77	416706.734	4585368.661	33.410	8i	151	416781.347	4585335.613	32.550	7f	225	416707.614	4585374.975	33.750	1	299	416789.683	4585374.762	24.960	18
78	416705.346	4585368.561	33.330	11i	152	416780.848	4585334.838	32.760	19f	226	416700.363	4585376.608	33.830	1	300	416793.752	4585368.940	24.790	18
79	416706.144	4585368.355	33.320	6i	153	416778.984	4585331.378	32.480	18	227	416700.759	4585377.426	33.860	8	301	416786.213	4585376.642	24.600	18
80	416706.176	4585367.557	33.090	7i	154	416776.996	4585327.433	32.480	16i	228	416700.564	4585377.920	33.770	11	302	416784.287	4585377.680	25.340	18
81	416706.099	4585366.781	33.270	19i	155	416774.258	4585328.917	32.780	3i	229	416700.852	4585380.026	33.590	14	303	416784.373	4585382.854	24.710	18
82	416712.695	4585364.934	33.200	19	156	416773.958	4585329.033	32.690	4i	230	416694.231	4585381.533	33.640	14f	304	416779.569	4585379.543	24.900	18
83	416712.970	4585365.759	33.000	7	157	416773.624	4585329.163	32.730	16	231	416692.998	4585379.306	33.900	11f	305	416769.139	4585380.124	27.880	14i
84	416712.406	4585366.678	33.290	6	158	416767.849	4585336.689	32.720	18	232	416693.294	4585378.903	34.000	8f	306	416764.199	4585379.040	28.560	14
85	416712.806	4585366.635	33.250	11	159	416765.437	4585334.108	32.860	16	233	416693.388	4585377.933	33.960	1f	307	416758.796	4585379.369	28.540	14f
86	416713.089	4585367.022	33.330	9	160	416757.639	4585338.534	32.970	16	234	416691.612	4585385.186	32.010	16i	308	416759.477	4585381.789	29.250	14i
87	416713.841	4585369.222	33.450	1	161	416757.115	4585342.895	32.940	18	235	416692.580	4585392.012	31.740	18	309	416761.971	4585383.544	29.770	14
88	416719.240	4585367.711	33.400	1	162	416750.612	4585346.283	33.000	18	236	416702.739	4585390.033	31.310	18	310	416765.239	4585382.191	29.270	14f
89	416718.759	4585365.310	33.250	9	163	416748.082	4585343.927	33.030	16	237	416702.543	4585383.847	31.430	16	311	416761.998	4585385.689	28.700	14i
90	416720.414	4585364.338	33.140	11	164	416737.753	4585348.209	33.440	16	238	416712.229	4585383.142	30.410	16	312	416756.207	4585392.224	28.700	14
91	416720.196	4585364.496	33.180	6	165	416735.695	4585351.299	33.190	18	239	416713.535	4585389.265	30.360	18	313	416750.910	4585398.692	28.640	14
92	416719.649	4585363.736	32.990	7	166	416729.748	4585352.040	33.290	16	240	416723.570	4585387.251	29.380	18	314	416747.427	4585403.621	28.380	14f
93	416719.674	4585363.741	32.990	7	167	416726.100	4585353.566	33.340	16	241	416723.993	4585381.947	29.470	16	315	416741.516	4585396.842	28.620	18
94	416719.699	4585362.916	33.140	19	168	416717.659	4585357.387	33.360	16	242	416733.708	4585384.405	28.660	18	316	416739.055	4585390.422	28.730	18
95	416727.474	4585360.454	33.110	19	169	416705.936	4585361.615	33.590	16	243	416733.077	4585380.045	29.080	16	317	416748.899	4585387.010	28.760	18
96	416727.706	4585361.270	32.950	7	170	416699.176	4585363.452	33.750	16f	244	416741.836	4585377.342	28.790	16	318	416734.835	4585397.772	28.780	18
97	416727.841	4585362.238	33.190	6	171	416697.097	4585357.191	37.780	14i	245	416746.264	4585382.184	28.380	18	319	416724.180	4585393.003	29.360	18
98	416728.008	4585361.866	33.100	11	172	416706.588	4585353.106	38.460	14	246	416754.770	4585378.040	28.370	18	929	416792.924	4585357.197	24.840	6i
99	416728.202	4585362.320	33.200	9	173	416715.777	4585348.239	39.110	14	247	416754.493	4585374.212	28.540	16	930	416793.129	4585357.037	24.800	6
100	416728.729	4585364.689	33.330	1	174	416723.215	4585344.288	39.550	14	248	416762.926	4585374.260	27.670	16	931	416792.157	4585354.521	24.700	6
101	416735.911	4585362.140	33.290	1	175	416733.364	4585338.860	40.230	14	249	416770.973	4585373.315	26.760	16	932	416794.063	4585353.002	24.670	6
102	416735.481	4585359.708	33.160	9	176	416743.575	4585332.434	40.830	14	250	416775.530	4585376.156	25.530	16	933	416796.254	4585354.427	24.890	6
103	416735.393	4585359.541	33.110	6	177	416753.595	4585325.586	41.360	14	251	416778.656	4585375.695	25.020	16	934	416796.437	4585354.245	24.930	6
104	416735.467	4585359.214	33.030	11	178	416759.525	4585321.654	41.700	14	252	416783.763	4585370.010	24.750	16	935	416796.432	4585354.250	24.940	16i
105	416735.144	4585358.640	32.850	7	179	416766.540	4585315.897	42.040	14	253	416788.732	4585364.313	24.700	16	936	416799.229	4585353.450	24.940	16
106	416735.086	4585357.705	33.060	19	180	416767.333	4585314.914	42.170	14f	254	416792.130	4585359.776	24.850	16	937	416798.317	4585356.813	25.200	18
107	416742.428	4585354.866	32.990	19	181	416767.091	4585315.565	42.030	3	255	416792.109	4585359.693	24.870	16f	938	416795.863	4585356.621	24.740	18
108	416742.528	4585355.687	32.810	7	182	416766.788	4585315.683	42.060	4	256	416787.792	4585358.836	26.740	14i	939	416794.485	4585355.394	24.700	18
109	416742.922	4585356.276	33.000	11	183	416766.325	4585314.948	42.190	4	257	416785.722	4585356.526	27.230	16i	940	416794.038	4585352.505	26.890	6
110	416743.306	4585356.376	33.080	6	184	416765.065	4585314.656	42.320	4f	258	416780.296	4585361.571	27.350	16	941	416794.055	4585352.850	26.910	18
111	416743.349	4585356.621	33.090	9	185	416767.381	4585313.017	42.380	3f	259	416781.828	4585364.620	27.280	14	942	416792.973	4585353.694	26.920	18
112	416744.051	4585358.963	33.210	1	186	416785.306	4585341.969	33.110	1i	260	416771.818	4585367.780	27.590	16	943	416791.597	4585354.361	26.610	6
113	416751.275	4585355.851	33.140	1	187	416785.789	4585342.673	33.140	8i	261	416771.453	4585371.504	27.680	16f	944	416791.818	4585354.673	26.560	6c
114	416750.540	4585353.460	33.040	9	188	416785.476	4585343.231	33.040	11i	262	416776.226	4585372.141	27.510	14	945	416792.088	4585354.433	26.900	18
115	416750.384	4585353.339	32.970	6	189	416786.473	4585344.338	32.830	14i	263	416774.681	4585372.045	27.550	14	946	416789.788	4585352.841	26.930	17i
116	416750.276	4585353.150	32.900	11	190	416778.778	4585349.084	32.900	14	264	416771.651	4585371.544	27.660	14f	947	416791.785	4585351.445	26.990	17
117	416749.740	4585352.546	32.730	7	191	416778.614	4585347.582	33.120	11	265	416768.024	4585368.962	29.210	18	948	416796.274	4585347.863	27.360	17f
118	416749.673	4585351.570	32.940	19	192	416777.830	4585347.587	33.220	8	266	416766.119	4585367.033	28.790	peu	949	416800.006	4585359.483	24.370	18
119	416751.869	4585350.405	32.980	ep6	193	416777.378	4585346.806	33.170	1	267	416757.854	4585369.794	29.560	peu	950	416802.838	4585353.445	24.220	16
120	416752.348	4585350.135	32.980	f	194	416771.137	4585350.388	33.240	1	268	416759.514	4585370.305	29.820	18	951	416802.831	4585353.327	24.220	6i
121	416752.658	4585349.972	33.030	f	195	416771.494	4585351.145	33.280	8	269	416759.357	4585378.699	28.330	16i	952	416803.359	4585353.557	23.970	6
122	416752.715	4585349.472	32.860	horm	196	416771.594	4585351.485	33.240	11	270	416765.631	4585377.834	27.440	16	953	416804.433	4585354.224	24.010	6
123	416753.022	4585350.206	32.940	horm	197	416771.539	4585354.048	32.910	14	271	416771.306	4585379.026	26.190	16	954	416804.918	4585354.518	24.550	6
124	416752.287	4585350.488	32.880	horm	198	416764.869	4585357.682	32.920	14	272	416772.491	4585380.737	25.590	16	955	416804.093	4585353.905	25.060	6c
125	416758.840	4585347.210	32.920	19	199	416764.636	4585355.296	33.270	11	273	416769.788	4585385.348	25.260	16	956	416804.843	4585354.910	24.270	16
126	416758.813	4585348.147	32.710	7	200	416763.410	4585355.462	33.370	8	274	416763.234	4585393.343	25.360	16	957	416803.562	4585358.020	24.400	16
127	416758.553	4585348.004	32.750	em	201	416762.807	4585354.731	33.340	1	275	416755.697	4585401.809	25.540	16	958	416801.161	4585356.360	24.170	18
128	416758.792	4585348.531	32.780	em	202	416753.508	4585359.201	33.400	1	276	416755.747	4585401.833	25.500	16f	959	416801.440	4585362.825	24.500	16
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Actuación C – Paso Inferior de Molins

2779	417337.320	4585198.766	28.231	calz	2854	417338.179	4585213.451	28.024	calz	2958	417373.749	4585216.618	25.375	calz	765	417434.160	4585250.205	26.580	4f
2780	417337.029	4585201.720	28.233	lb	2855	417345.849	4585213.514	27.313	calz	2959	417375.249	4585209.112	25.353	lb	766	417434.302	4585250.277	26.430	3f
2781	417340.962	4585203.944	27.877	lb	2856	417345.862	4585212.975	27.329	lb	2960	417375.259	4585208.819	25.342	calz	767	417436.583	4585233.463	26.690	1
2782	417341.929	4585202.755	27.834	lb	2857	417353.937	4585213.867	26.677	lb	2961	417373.423	4585216.209	25.398	lb	768	417437.352	4585237.137	26.640	1
2783	417341.931	4585202.754	27.836	calz	2858	417353.904	4585214.389	26.680	calz	2962	417369.367	4585215.756	25.556	lb	769	417437.493	4585241.055	26.570	1
2784	417346.431	4585205.105	27.459	calz	2859	417357.656	4585217.916	26.018	sum	2963	417369.228	4585216.107	25.548	calz	770	417437.008	4585244.875	26.480	1f
2785	417346.291	4585205.466	27.487	lb	2860	417358.294	4585219.070	26.227	ct	2964	417369.239	4585216.214	25.749	acera	771	417428.513	4585234.167	26.700	19
2786	417350.338	4585206.128	27.146	lb	2861	417355.613	4585221.894	26.596	ct	2965	417369.137	4585216.894	25.759	acera	772	417427.326	4585231.877	26.720	9
2787	417350.513	4585205.788	27.108	calz	2862	417353.851	4585225.458	26.967	ct	2966	417368.942	4585216.692	25.464	sum	773	417429.039	4585229.824	26.750	19
2788	417357.807	4585206.580	26.487	calz	2863	417351.530	4585227.016	27.000	ct	2967	417363.419	4585215.443	25.921	calz	775	417427.613	4585226.253	26.490	19
2789	417357.669	4585207.056	26.515	lb	2864	417349.462	4585227.630	27.072	ct	2968	417363.429	4585215.049	25.937	lb	777	417425.007	4585223.561	26.030	19f
2791	417350.884	4585180.584	27.038	ct	2865	417350.807	4585231.609	28.377	ct	2969	417358.332	4585217.516	26.147	sum	778	417426.777	4585229.815	26.540	9f
2792	417350.380	4585184.293	26.999	ct	2866	417352.954	4585230.823	28.462	ct	2970	417357.262	4585217.350	26.152	sum	783	417435.720	4585226.673	26.810	2
2793	417352.814	4585186.845	26.759	ct	2867	417352.931	4585230.880	28.487	ct	2971	417357.078	4585218.472	26.161	sum	784	417437.221	4585231.940	26.750	1i
2794	417353.820	4585185.339	26.452	ct	2868	417355.196	4585229.533	28.369	ct	2972	417358.156	4585218.599	26.160	sum	785	417440.974	4585223.751	26.820	1
2795	417354.936	4585182.827	25.692	ct	2869	417354.536	4585233.502	28.958	ct	2973	417363.208	4585217.060	25.896	rell	786	417445.600	4585213.539	26.760	1f
2796	417355.309	4585186.164	26.470	ct	2870	417346.835	4585225.571	26.922	rell	2974	417340.860	4585220.831	27.177	edif	787	417446.057	4585212.583	26.750	1i
2797	417355.343	4585186.179	26.474	ct	2871	417341.615	4585224.011	27.044	rell	2975	417342.075	4585218.060	27.500	arq	788	417448.910	4585217.377	26.810	12i
2798	417356.143	4585189.498	26.540	ct	2873	417336.449	4585220.225	27.844	edif	2976	417341.463	4585216.646	27.652	edif	789	417447.280	4585214.855	26.750	12
2799	417357.389	4585193.514	26.330	ct	2874	417350.066	4585216.249	26.976	rell	2977	417337.024	4585216.036	28.173	edif	790	417449.427	4585213.351	26.780	3i
2800	417360.617	4585197.703	26.077	ct	2875	417343.384	4585215.609	27.442	rell	2978	417357.937	4585203.636	26.376	rell	791	417449.298	4585213.300	26.900	4i
2801	417363.273	4585196.924	25.950	ct	2876	417336.564	4585215.492	28.151	rell	2979	417366.379	4585206.079	25.744	rell	792	417448.248	4585213.643	26.870	4
2802	417363.994	4585194.238	26.301	ct	2877	417334.219	4585221.021	28.039	rell	2980	417367.810	4585202.267	25.664	rell	793	417448.180	4585213.762	26.730	3
2803	417363.536	4585189.645	26.785	ct	2878	417333.766	4585226.182	27.938	rell	2981	417371.082	4585206.923	25.513	rell	794	417447.509	4585212.574	26.630	3
2804	417362.232	4585186.019	26.919	ct	2879	417338.979	4585227.290	27.344	rell	2982	417372.643	4585207.914	25.377	sum	795	417447.646	4585212.615	26.800	4
2805	417359.522	4585179.722	26.714	ct	2880	417355.380	4585218.991	26.475	POSTEL	2983	417353.275	4585179.146	26.114	muro	796	417447.542	4585211.925	26.690	em
2806	417359.508	4585179.755	26.700	ct	2881	417358.386	4585218.859	26.619	muro	2984	417351.267	4585184.570	26.887	muro	797	417446.858	4585212.575	26.730	12
2807	417360.317	4585176.364	26.736	ct	2882	417361.436	4585237.529	30.942	calz	2985	417362.147	4585194.679	25.205	muro	798	417447.746	4585209.550	26.740	12f
2808	417373.040	4585179.033	27.589	ct	2883	417360.944	4585237.340	31.023	muro	2986	417362.625	4585196.793	25.623	muro	799	417449.588	4585208.205	26.730	3
2809	417368.257	4585179.949	27.111	rell	2884	417359.337	4585236.924	30.450	ct	2987	417360.883	4585197.410	25.654	muro	800	417449.692	4585208.374	26.820	4
2810	417366.748	4585186.552	26.988	rell	2885	417364.299	4585229.164	30.962	muro	2988	417360.495	4585195.212	25.243	muro	801	417451.214	4585209.114	26.900	4c
2811	417369.542	4585189.091	27.007	ct	2886	417364.631	4585229.301	31.002	muro	4000	417360.118	4585247.678	31.225	lb	802	417451.375	4585209.002	26.780	3c
2812	417367.134	4585197.671	26.484	ct	2887	417364.517	4585230.103	31.001	muro	4001	417367.123	4585231.277	31.035	lb	803	417452.422	4585206.924	26.690	3i
2813	417366.335	4585198.864	26.126	ct	2888	417364.427	4585230.372	30.979	calz	4002	417373.910	4585215.005	31.026	lb	804	417452.334	4585206.750	26.820	4i
2814	417365.097	4585203.357	25.808	rell	2889	417361.213	4585230.249	30.793	ct	4003	417380.816	4585198.411	31.082	lb	805	417450.801	4585206.016	26.800	4
2815	417364.769	4585207.486	25.841	calz	2890	417365.613	4585222.181	30.804	ct	4004	417388.239	4585180.071	31.196	lb	806	417450.587	4585206.063	26.700	3
2816	417364.663	4585207.891	25.869	lb	2891	417366.582	4585222.846	30.937	muro	4005	417367.710	4585217.384	31.240	muro	807	417451.276	4585205.688	26.890	s1ba
2817	417361.494	4585203.318	26.065	rell	2892	417362.060	4585230.625	30.855	muro	4006	417369.396	4585218.005	31.200	muro	808	417449.443	4585209.172	26.670	ba
2818	417353.481	4585202.010	26.680	rell	2893	417362.625	4585230.947	30.890	muro	4007	417372.503	4585210.657	31.210	muro	809	417448.663	4585208.792	26.760	cda
2819	417353.091	4585197.633	26.638	rell	2894	417367.393	4585222.652	30.974	muro	4008	417358.383	4585218.839	26.160	muro	813	417450.281	4585205.136	26.730	cda
2820	417354.487	4585187.665	26.762	tat	2895	417367.724	4585222.826	30.962	calz	4009	417368.698	4585217.208	25.630	muro	816	417453.594	4585199.541	26.680	3
2821	417343.232	4585195.766	27.559	rell	2896	417369.856	4585218.200	31.004	muro	4010	417369.051	4585217.261	25.650	muro	817	417453.682	4585199.586	26.850	4
2822	417344.975	4585188.954	27.434	rell	2897	417372.968	4585210.840	30.991	muro	4011	417369.477	4585216.240	25.750	muro	818	417452.244	4585198.961	26.740	1
2823	417347.122	4585180.158	27.306	rell	2898	417376.149	4585202.853	31.041	muro	4012	417369.519	4585216.140	25.550	muro	819	417447.359	4585201.067	26.800	20i
2824	417349.254	4585172.970	27.062	rell	2899	417379.366	4585194.537	31.018	muro	4013	417369.665	4585215.789	25.550	muro	821	417443.408	4585202.106	26.770	cda
2825	417351.455	4585184.639	26.887	muro	2900	417384.429	4585181.324	31.026	muro	4014	417372.579	4585208.811	25.470	muro	827	417441.739	4585205.873	26.780	cda
2826	417353.463	4585179.215	26.114	muro	2901	417384.392	4585179.821	31.071	muro	4015	417372.701	4585208.517	25.460	muro	828	417441.315	4585205.735	26.750	21
2827	417351.550	4585184.719	26.437	cun	2902	417383.479	4585179.329	30.557	ct	4016	417372.941	4585207.942	25.610	muro	829	417444.143	4585199.556	26.820	2i
2828	417353.577	4585179.367	24.661	cun	2903	417378.201	4585193.808	30.922	ct	4017	417373.236	4585207.235	25.450	muro	832	417450.368	4585185.885	26.770	21f
2829	417354.987	4585176.613	24.338	cun	2904	417378.841	4585194.321	31.089	muro	4018	417372.946	4585207.086	25.480	muro	834	417453.856	4585186.700	26.900	2f
2830	417356.023	4585172.619	24.429	cun	2905	417374.858	4585204.664	31.143	muro	4019	417366.449	4585198.944	26.150	muro	835	417457.225	4585187.874	26.840	1
2831	417357.667	4585173.868	24.284	cun	2906	417372.771	4585205.575	30.805	ct	4020	417353.895	4585172.609	26.730	ct	836	417458.707	4585188.268	26.800	3f
2832	417357.215	4585175.494	24.331	cun	2907	417369.063	4585217.283	31.201	muro	4021	417352.866	4585176.272	26.910	ct	837	417458.845			

1085	417415.113	4585235.194	30.670	14	1203	417420.986	4585239.658	26.220	22i	1285	417438.985	4585202.813	26.660	s1
1086	417413.810	4585233.293	31.260	6	1204	417423.922	4585230.877	26.310	22	1286	417436.188	4585202.556	26.610	22
1087	417415.671	4585228.733	31.100	6	1205	417425.066	4585232.436	25.620	16f	1287	417436.548	4585205.044	26.410	13i
1088	417416.441	4585227.562	31.050	3i	1207	417425.793	4585232.449	26.330	6i	1288	417437.179	4585205.589	26.420	13
1089	417417.729	4585227.925	31.010	3	1208	417425.186	4585232.544	25.680	7i	1289	417433.497	4585212.000	26.460	13
1090	417418.540	4585227.767	31.020	3	1209	417424.680	4585232.304	25.660	8i	1290	417432.970	4585211.584	26.430	13
1091	417419.448	4585228.145	31.070	3	1210	417424.414	4585232.164	25.850	9i	1291	417431.861	4585211.037	27.200	22f
1092	417415.421	4585230.204	30.950	3	1211	417424.481	4585230.844	26.020	9	1292	417428.148	4585219.403	26.190	18
1093	417415.956	4585230.355	30.970	3f	1212	417424.917	4585230.691	25.580	8	1293	417421.673	4585215.158	25.600	18
1094	417417.230	4585230.402	31.040	mu	1213	417425.543	4585229.941	25.560	7	1294	417419.821	4585218.023	25.600	18
1095	417417.476	4585228.313	30.960	mu	1214	417426.038	4585229.812	26.290	6	1295	417418.607	4585221.171	25.510	18
1097	417417.111	4585229.583	31.020	mu	1215	417425.173	4585227.137	26.120	6	1296	417427.819	4585211.861	29.300	22i
1098	417417.260	4585229.550	31.100	tr	1216	417424.231	4585225.250	25.880	6	1297	417422.988	4585212.539	31.250	22
1100	417417.583	4585228.501	31.030	tr	1217	417423.364	4585224.952	25.170	7f	1299	417420.445	4585218.216	31.210	22
1101	417418.496	4585228.754	31.030	tr	1218	417422.609	4585225.629	25.090	8	1301	417419.087	4585224.480	31.170	22
1103	417418.599	4585228.632	30.950	mu	1219	417422.463	4585224.514	25.200	8f	1302	417421.204	4585227.093	29.390	22
1104	417419.213	4585227.349	30.560	14	1220	417421.978	4585225.996	25.780	9	1304	417424.403	4585230.859	26.610	6i
1105	417419.549	4585225.347	30.510	14f	1221	417421.677	4585225.222	25.670	9	1305	417420.504	4585225.986	25.510	6
1106	417418.282	4585224.412	31.320	mu	1222	417422.092	4585224.218	25.670	9	1306	417418.524	4585223.483	25.550	6
1107	417417.565	4585224.126	31.360	mu	1223	417423.257	4585224.767	25.790	9f	1307	417418.097	4585223.227	25.550	6
1108	417417.962	4585225.129	31.320	mu	1224	417422.350	4585223.652	25.690	st	1308	417418.293	4585222.783	25.550	6f
1109	417417.829	4585225.037	31.380	tr	1225	417415.143	4585221.346	25.360	3i	1309	417416.140	4585212.505	25.670	6i
1110	417418.061	4585224.523	31.360	tr	1226	417415.270	4585220.999	25.420	4i	1310	417422.300	4585213.133	25.820	6
1111	417417.593	4585224.342	31.360	tr	1227	417418.751	4585221.475	25.530	4	1311	417422.457	4585212.712	25.820	6
1112	417417.709	4585223.637	31.240	6	1229	417418.436	4585221.743	25.520	6	1312	417422.927	4585212.833	25.840	6
1113	417417.890	4585223.674	31.280	22i	1231	417418.505	4585222.246	25.560	em	1313	417426.755	4585212.241	25.730	6
1114	417420.018	4585218.484	31.290	22	1232	417418.643	4585221.770	25.530	8i	1314	417418.312	4585222.809	29.840	7i
1116	417422.311	4585212.849	31.370	22	1233	417422.773	4585223.218	25.810	8	1315	417418.404	4585222.652	30.090	7
1117	417422.668	4585212.375	31.230	22f	1234	417423.092	4585222.493	25.830	1i	1316	417418.127	4585222.528	30.250	7
1118	417422.345	4585212.303	31.300	6	1235	417426.614	4585224.968	26.260	1	1317	417418.404	4585222.636	30.520	18
1119	417424.332	4585210.412	31.040	sv	1236	417428.833	4585228.684	26.570	1f	1318	417420.633	4585217.249	30.540	18
1120	417423.856	4585208.951	31.130	3i	1237	417423.070	4585223.397	25.850	8	1319	417420.376	4585217.089	30.270	7
1121	417425.732	4585209.696	30.770	3	1238	417425.585	4585226.420	26.250	8	1320	417426.708	4585211.945	29.450	6
1122	417425.386	4585210.262	30.770	ca	1239	417427.371	4585231.787	26.560	8f	1321	417421.933	4585213.284	30.320	7
1123	417424.542	4585208.023	31.070	mu	1240	417426.358	4585229.289	26.350	5i	1322	417422.227	4585213.324	30.110	7
1124	417424.713	4585207.977	31.160	tr	1241	417426.126	4585228.627	26.340	5f	1323	417422.294	4585213.170	29.940	7f
1126	417425.149	4585206.962	31.200	tr	1242	417425.887	4585227.702	26.290	5i	1324	417422.311	4585213.181	30.600	18
1127	417425.085	4585206.834	31.140	mu	1243	417425.632	4585226.991	26.230	5f					
1128	417426.122	4585207.235	31.040	mu	1244	417422.862	4585228.543	25.920	22i					
1129	417425.997	4585207.255	31.110	tr	1245	417419.850	4585224.744	25.550	22					
1130	417427.121	4585206.536	31.030	3	1246	417418.323	4585222.757	25.420	22f					
1131	417425.524	4585205.743	31.060	3f	1247	417415.529	4585213.412	25.370	3i					
1132	417425.252	4585205.410	31.170	6	1248	417415.530	4585213.766	25.410	4i					
1133	417426.148	4585205.914	30.940	19i	1249	417415.749	4585212.603	25.660	22i					
1134	417427.343	4585205.631	30.870	19	1250	417422.129	4585213.263	25.810	22					
1135	417426.531	4585205.373	31.070	14i	1251	417422.043	4585214.118	25.610	4					
1136	417427.525	4585200.493	31.460	sv	1253	417422.272	4585213.601	25.670	em					
1137	417428.067	4585199.182	30.870	20i	1254	417422.243	4585214.094	25.620	8i					
1138	417428.800	4585199.027	31.340	14	1255	417422.653	4585214.604	25.650	1i					
1139	417428.155	4585198.337	31.280	6	1256	417424.567	4585213.333	25.680	st6					
1140	417431.267	4585190.779	31.220	6	1257	417426.762	4585212.487	25.720	22					
1141	417432.858	4585192.084	31.250	14	1258	417427.369	4585212.437	25.850	em					
1142	417433.675	4585188.152	31.230	sv	1259	417427.543	4585213.583	25.840	em					
1143	417435.969	4585184.744	31.230	14f	1260	417428.759	4585213.410	25.880	em					
1144	417434.439	4585183.339	31.340	6f	1261	417428.585	4585212.264	25.860	em					
1145	417434.241	4585182.621	31.030	6i	1262	417429.254	4585214.691	26.160	8					
1146	417431.854	4585181.902	31.250	1i	1263	417429.593	4585215.374	26.220	1					
1147	417427.958	4585191.280	31.270	1	1264	417434.479	4585215.912	26.620	1					
1148	417429.783	4585193.011	31.200	6	1265	417436.668	4585216.201	26.700	1f					
1149	417425.259	4585204.084	31.170	6	1266	417432.946	4585213.977	26.500	8					
1150	417422.987	4585203.162	31.240	1	1267	417433.353	4585213.327	26.450	sv					
1151	417418.242	4585214.614	31.310	1	1269	417433.772	4585211.778	26.510	9i					
1152	417420.206	4585216.113	31.250	6	1270	417436.391	4585211.538	26.610	8					
1153	417416.773	4585224.535	31.240	6	1271	417439.436	4585206.881	26.660	8					
1154	417414.475	4585223.790	31.280	1	1272	417442.879	4585201.200	26.700	8					
1155	417414.473	4585223.139	31.310	jd	1273	417447.864	4585190.267	26.730	8					
1156	417417.237	4585223.447	31.210	jd	1274	417450.240	4585184.652	26.780	8f					
1157	417421.815	4585212.259	31.200	jd	1275	417447.652	4585183.590	26.070	16i					
1158	417419.201	4585211.962	31.280	jd	1276	417446.914	4585177.824	27.000	22i					
1159	417413.477	4585232.710	31.160	6	1277	417444.016	4585188.922	26.500	dudo					
1160	417413.456	4585232.711	31.160	6	1278	417445.007	4585189.421	26.350	dudo					
1161	417411.086	4585231.809	31.280	1	1279	417444.321	4585190.724	26.280	16					
1162	417406.229	4585243.612	31.210	1f	1280	417440.736	4585197.744	26.190	16					
1163	417408.499	4585244.909	31.090	6f	1281	417439.838	4585194.853	26.810	22					
1164	417418.434	4585230.741	31.010	mu	1282	417438.916	4585201.025	26.380	16f					
1201	417423.285	4585236.853	25.750	16i	1283	417441.268	4585200.782	26.630	sc4					
1202	417424.443	4585237.488	26.280	14i	1284	417441.858	4585200.473	26.630	sc4					

Actuación C – Estructura a ampliar en AP-2 Ramal 4

615	417045.231	4586200.813	38.314	muro	1040	417080.129	4586132.354	37.907	lb	3734	417075.123	4586113.241	43.323	ct	3822	417012.840	4586365.073	48.516	arqdgdt
616	417044.750	4586200.715	37.959	muro	1041	417086.967	4586118.380	37.907	lb	3735	417076.551	4586112.881	43.260	ct	3823	417013.021	4586363.789	48.524	arqdgdt
618	417061.536	4586210.527	37.655	muro	1042	417087.393	4586118.516	37.901	calz	3736	417077.502	4586110.471	43.236	ct	3824	417013.193	4586359.644	48.526	muro
619	417043.281	4586235.247	37.790	ct	1043	417090.168	4586119.453	37.737	ct	3737	417077.211	4586109.033	43.185	ct	3825	417013.214	4586361.564	48.236	muro
620	417044.437	4586235.460	37.638	muro	1044	417095.356	4586109.550	37.802	ct	3738	417075.955	4586107.852	43.285	ct	3826	417013.411	4586362.707	48.440	muro
621	417037.563	4586246.258	37.815	muro	1045	417092.601	4586108.037	37.861	calz	3739	417075.855	4586106.511	43.422	ct	3827	417012.991	4586366.127	48.442	muro
622	417036.287	4586245.473	37.858	ct	1046	417092.162	4586107.517	37.867	lb	3740	417076.528	4586110.729	43.538	arqdgdt	3828	417009.981	4586369.754	48.694	calz
623	417029.985	4586256.164	38.052	ct	1047	417097.447	4586100.420	37.863	calz	3741	417076.079	4586111.934	43.526	arqdgdt	3829	417010.654	4586370.281	48.523	cun
624	417030.746	4586257.263	37.926	muro	1048	417100.132	4586102.300	37.614	ct	3742	417075.036	4586111.577	43.528	arqdgdt	3830	417012.080	4586370.562	48.306	cun
625	417030.822	4586257.742	39.511	muro	1049	417102.125	4586094.126	37.843	calz	3743	417075.477	4586110.349	43.527	arqdgdt	3831	417012.469	4586370.641	48.492	cun
626	417033.201	4586259.477	40.053	rell	1050	417101.074	4586087.577	37.793	lb	3744	417078.091	4586098.603	43.153	ct	3832	417012.976	4586371.503	48.735	muro
627	417038.337	4586261.497	40.229	rell	1051	417106.280	4586074.655	37.745	lb	3745	417082.432	4586084.997	42.642	ct	3833	417007.627	4586385.762	48.616	cun
628	417043.155	4586251.085	39.789	rell	1052	417107.214	4586075.466	37.741	bord	3746	417087.665	4586068.266	42.167	ct	3834	417007.010	4586385.858	48.765	calz
629	417048.668	4586242.477	39.400	rell	1053	417118.256	4586067.509	37.710	bord	3747	417086.714	4586068.111	42.267	calz	3835	417012.971	4586371.708	50.087	muro
631	417052.669	4586232.465	39.658	rell	1054	417115.056	4586065.896	37.758	bord	3748	417083.665	4586078.115	42.582	calz	3836	417013.031	4586371.730	49.711	ct
632	417051.037	4586231.507	39.756	canaleta	1055	417112.103	4586062.489	37.740	bord	3749	417079.837	4586090.527	42.916	calz	3837	417014.528	4586372.046	50.048	ct
633	417046.212	4586241.545	39.862	canaleta	1056	417111.024	4586062.119	37.724	lb	3750	417076.482	4586101.513	43.268	calz	3838	417011.363	4586379.787	52.315	muro
634	417043.989	4586245.396	40.029	canaleta	1057	417107.650	4586060.950	37.630	lb	3751	417072.512	4586114.930	43.765	calz	3839	417013.219	4586380.590	52.645	ct
635	417050.218	4586247.350	42.022	rell	1058	417103.998	4586059.440	37.456	calz	3752	417073.662	4586115.485	44.031	tablero	3840	417013.141	4586366.355	48.284	ct
636	417044.220	4586256.670	42.031	rell	1059	417100.726	4586058.160	37.412	ct	3755	417069.095	4586127.073	44.236	calz	3841	417015.389	4586366.287	48.232	ct
637	417036.112	4586258.476	40.368	canaleta	1060	417098.033	4586069.878	37.490	ct	3756	417070.162	4586127.647	44.224	tablero	3842	417013.742	4586356.817	47.196	ct
638	417033.490	4586266.039	40.974	canaleta	1061	417100.167	4586070.554	37.557	calz	3757	417066.797	4586139.411	44.548	tablero	3843	417018.852	4586358.664	47.204	ct
639	417030.572	4586273.621	41.755	canaleta	1062	417103.526	4586071.929	37.690	lb	3759	417065.646	4586139.097	44.454	calz	3844	417018.053	4586344.332	45.886	ct
640	417026.696	4586282.547	41.965	canaleta	1063	417099.652	4586081.669	37.706	lb	3760	417061.901	4586152.186	44.797	calz	3845	417021.243	4586344.320	46.074	ct
641	417027.265	4586294.185	42.803	cun	1064	417096.849	4586078.116	37.564	muro	3761	417063.008	4586152.759	44.903	tablero	3846	417021.218	4586328.290	45.331	ct
642	417027.833	4586294.535	42.460	cun	1065	417091.527	4586083.146	37.412	muro	3762	417058.839	4586167.859	45.259	tablero	3847	417024.268	4586327.954	45.447	ct
643	417028.406	4586294.693	42.857	cun	1066	417087.968	4586089.111	37.328	muro	3763	417057.684	4586167.514	45.170	calz	3848	417025.644	4586310.040	44.539	ct
644	417029.423	4586295.139	43.411	rell	1067	417093.369	4586087.088	37.636	lb	3764	417054.899	4586177.742	45.398	calz	3849	417031.096	4586309.906	44.842	ct
645	417030.761	4586295.732	43.708	rell	1068	417092.231	4586086.586	37.598	calz	3765	417056.222	4586177.494	45.509	tablero	3850	417030.306	4586296.198	43.730	ct
646	417035.131	4586295.131	43.779	rell	1069	417089.493	4586091.485	37.604	calz	3766	417056.915	4586176.582	44.913	dintel	3851	417035.209	4586295.036	43.746	ct
647	417027.446	4586300.227	43.988	cun	1070	417090.520	4586091.834	37.637	lb	3767	417057.858	4586176.759	44.952	dintel	3852	417030.370	4586291.625	43.171	arqrenfe
648	417026.756	4586299.733	43.490	cun	1071	417083.808	4586106.068	37.683	lb	3768	417058.401	4586176.453	44.968	dintel	3853	417031.620	4586291.888	43.220	arqrenfe
649	417026.190	4586299.572	43.843	cun	1073	417081.134	4586105.347	37.442	muro	3769	417058.857	4586176.323	44.969	dintel	3854	417031.965	4586290.211	43.168	arqrenfe
650	417028.328	4586289.510	41.818	cun	1074	417075.798	4586118.073	37.489	muro	3773	417064.883	4586180.995	45.012	dintel	3855	417030.703	4586289.962	43.164	arqrenfe
651	417028.786	4586289.779	41.546	cun	1075	417076.742	4586118.369	37.640	calz	3776	417057.448	4586178.123	44.937	dintel	3856	417030.925	4586286.077	42.167	ct
652	417029.376	4586290.009	41.896	cun	1076	417077.827	4586118.890	37.691	lb	3777	417056.590	4586177.809	44.980	dintel	6010	417057.712	4586178.630	38.667	muro
653	417029.388	4586284.782	41.631	cun	1077	417072.437	4586130.274	37.719	lb	3778	417056.693	4586178.295	44.136	rell	6011	417053.097	4586186.801	38.636	muro
654	417029.814	4586284.903	41.320	cun	1078	417071.445	4586130.145	37.694	calz	3779	417057.413	4586176.326	44.149	dintel	6012	417048.098	4586195.616	38.453	muro
655	417030.392	4586285.066	41.705	cun	1079	417068.482	4586135.383	37.748	muro	3780	417052.406	4586191.678	45.913	tablero	6013	417043.391	4586203.948	38.274	muro
656	417031.209	4586285.238	42.134	rell	1080	417068.996	4586135.599	37.721	calz	3781	417051.280	4586191.234	45.786	calz	6014	417046.215	4586204.869	38.305	rell
657	417035.771	4586286.032	42.436	rell	1081	417069.700	4586135.933	37.742	lb	3782	417047.557	4586205.384	46.131	calz	6015	417050.605	4586199.113	38.429	rell
658	417036.468	4586278.154	42.091	rell	1084	417072.209	4586118.952	42.447	estribo	3783	417048.688	4586205.832	46.231	tablero	6016	417056.540	4586190.615	38.483	rell
659	417032.720	4586270.514	41.316	rell	1085	417072.236	4586118.885	42.018	estribo	3784	417045.265	4586219.296	46.486	tablero	6017	417061.812	4586185.017	38.425	muro
660	417030.897	4586267.934	41.076	rell	1086	417072.012	4586118.912	41.880	estribo	3785	417043.992	4586219.366	46.359	calz	6018	417059.265	4586186.007	38.391	muro
661	417026.863	4586274.105	41.354	rell	1087	417067.913	4586117.674	41.882	estribo	3786	417040.467	4586233.308	46.641	calz	6019	417055.787	4586187.139	38.653	muro
662	417022.752	4586282.312	41.493	rell	1088	417067.552	4586119.296	41.289	estribo	3787	417041.676	4586233.545	46.733	tablero	6020	417055.139	4586186.781	38.584	muro
672	417023.548	4586296.315	44.795	pilar	1089	417071.607	4586118.807	41.847	estribo	3791	417043.309	4586236.018	46.352	dintel	6021	417055.249	4586186.344	38.586	muro
673	417024.468	4586295.503	44.743	pilar	1090	417070.479	4586117.632	43.544	estribo	3792	417050.033	4586237.740	46.461	dintel	6022	417059.075	4586185.327	38.670	muro
674	417025.148	4586295.843	44.784	pilar	1500	417063.723	4586148.647	42.597	dintel	3794	417050.076	4586240.107	46.516	dintel	6023	417061.239	4586184.624	38.650	muro
1001	417074.933	4586145.465	37.924		1501	417064.497	4586145.851	42.585	dintel	3795	417049.312	4586240.601	46.496	dintel	6024	417066.691	4586177.097	38.791	muro
1003	417068.464	4586135.360	39.380	muro	1502	417064.434	4586145.794	42.603	dintel	3798	417041.858	4586237.881	46.355	dintel	6025	417058.972	4586181.138	38.631	rell
1004	417076.267	4586116.916	42.302	muro	1503	417060.904	4586144.790	42.577	dintel	3799	417041.050	4586237.625	46.366	dintel	6026	417063.740	4586186.399	38.325	ct
1005	417091.505	4586083.121	39.240	muro	1507	417061.463	4586176.947	43.397	dintel	3800	417041.326	4586238.093							

6049	417051.992	4586216.868	38.867	caRRIL	7119	417061.163	4586146.438	44.724	lb	7200	417068.957	4586163.507	38.759	ct	8148	417022.503	4586230.780	44.941	dintel
6050	417052.724	4586217.528	38.491	ct	7120	417063.261	4586147.085	44.676	lb	7201	417069.661	4586161.573	37.851	ct	8149	417021.802	4586233.674	44.975	dintel
6051	417053.568	4586218.006	38.056	ct	7121	417057.216	4586160.575	45.120	lb	7202	417113.948	4586097.366	44.722	ct	8150	417034.680	4586236.832	44.693	dintel
6052	417054.258	4586218.489	38.119	ct	7122	417053.115	4586175.495	45.432	lb	7203	417116.377	4586099.829	45.149	ct	8151	417037.082	4586234.440	44.710	dintel
6053	417054.397	4586218.385	37.684	ct	7123	417055.333	4586176.099	45.400	lb	7204	417109.900	4586100.778	44.721	ct	8152	417036.388	4586237.298	44.704	dintel
6054	417055.573	4586219.058	37.669	muro	7124	417054.919	4586177.418	45.443	lb	7205	417111.477	4586103.172	45.472	ct	8153	417049.032	4586240.535	44.820	dintel
6055	417045.060	4586234.467	37.648	muro	7125	417052.710	4586176.805	45.455	lb	7206	417106.588	4586110.040	46.546	ct	8154	417047.646	4586208.287	44.020	dintel
6056	417044.357	4586234.172	37.634	ct	7126	417049.190	4586189.848	45.817	lb	7207	417103.972	4586107.175	45.200	ct	8155	417044.012	4586207.321	44.020	dintel
6057	417041.593	4586234.005	38.578	ct	7127	417044.978	4586206.085	46.133	lb	7208	417100.553	4586113.247	45.940	ct	8156	417043.929	4586207.215	44.084	dintel
6058	417042.081	4586232.061	38.860	caRRIL	7128	417047.157	4586206.671	46.099	lb	7209	417099.676	4586120.282	46.702	ct	8157	417033.694	4586204.683	44.246	dintel
6059	417040.785	4586230.886	38.974	caRRIL	7129	417041.474	4586219.703	46.457	lb	7210	417095.760	4586120.360	45.021	ct	8158	417042.482	4586205.303	41.458	pilar
6060	417061.015	4586178.879	39.615	pilar	7130	417037.554	4586235.385	46.747	lb	7211	417090.950	4586131.164	45.081	ct	8159	417042.834	4586206.327	41.436	pilar
6062	417055.261	4586186.764	40.034	muro	7131	417039.799	4586235.894	46.667	lb	7212	417093.227	4586132.727	45.597	ct	8160	417043.576	4586206.448	41.458	pilar
6063	417055.758	4586186.923	40.070	muro	7132	417039.466	4586237.260	46.713	lb	7213	417084.271	4586143.935	44.024	ct	8161	417045.325	4586206.136	41.529	pilar
6065	417073.617	4586195.031	42.495	muro	7133	417037.234	4586236.724	46.789	lb	7214	417084.257	4586143.948	44.027	ct	8162	417045.659	4586207.093	41.510	pilar
6066	417067.820	4586202.886	42.613	muro	7134	417033.971	4586250.177	47.063	lb	7215	417085.445	4586144.836	44.428	ct	8163	417046.538	4586207.201	41.539	pilar
6067	417066.984	4586203.929	42.470	muro	7135	417030.128	4586266.069	47.288	lb	7216	417077.127	4586155.633	42.410	ct	8164	417028.594	4586200.283	44.332	dintel
6068	417064.498	4586206.803	39.524	muro	7136	417032.377	4586266.532	47.283	lb	7217	417079.100	4586157.612	42.244	ct	8165	417044.557	4586204.534	44.001	dintel
6069	417061.902	4586210.573	39.537	muro	7137	417026.730	4586280.554	47.592	lb	7218	417071.863	4586164.315	42.056	ct	8166	417044.720	4586204.497	44.012	dintel
6070	417055.141	4586220.440	39.548	muro	7138	417023.178	4586296.114	47.791	lb	7219	417072.700	4586165.128	42.091	ct	8167	417048.380	4586205.398	44.006	dintel
6071	417044.022	4586236.796	39.538	muro	7139	417025.408	4586296.636	47.782	lb	7220	417068.474	4586170.580	42.012	ct	8168	417029.801	4586202.541	41.969	pilar
6072	417042.046	4586239.868	39.502	muro	7140	417019.663	4586311.668	48.039	lb	7221	417069.592	4586171.561	42.084	ct	8169	417029.930	4586201.622	41.926	pilar
6073	417038.087	4586246.021	39.508	muro	7141	417016.417	4586326.285	48.174	lb	7222	417069.169	4586172.482	41.198	ct	8170	417028.902	4586201.102	41.984	pilar
6074	417045.730	4586237.621	40.924	pilar	7142	417018.718	4586326.781	48.156	lb	7223	417067.613	4586171.348	41.423	ct	8171	417043.388	4586174.530	40.448	pilar
6075	417044.316	4586237.228	40.918	pilar	7143	417013.364	4586340.630	48.420	lb	7224	417066.646	4586174.212	41.012	ct	8172	417044.589	4586174.762	40.432	pilar
6076	417019.876	4586325.493	46.973	estribo	7144	417010.188	4586355.771	48.558	lb	7225	417067.888	4586175.317	40.768	ct	8173	417045.131	4586173.757	40.450	pilar
6077	417019.727	4586325.391	46.970	estribo	7145	417012.433	4586356.251	48.499	lb	7226	417068.432	4586175.406	41.141	muro	8174	417058.042	4586177.834	40.838	pilar
6078	417026.531	4586295.368	45.602	dintel	7150	417017.955	4586345.764	45.918	cun	7227	417066.045	4586178.748	40.954	muro	8175	417058.548	4586178.642	40.813	pilar
6079	417025.137	4586295.042	45.613	dintel	7151	417016.867	4586345.673	45.359	cun	7228	417061.594	4586184.900	40.600	muro	8176	417059.408	4586178.595	40.839	pilar
6088	417045.623	4586205.673	40.390	pilar	7152	417013.516	4586362.865	48.004	ct	8100	416994.521	4586351.874	46.957	estribo	8177	417061.039	4586178.293	40.960	pilar
6089	417044.177	4586205.271	40.396	pilar	7153	417013.139	4586366.181	48.292	ct	8101	416996.177	4586352.195	46.931	estribo	8178	417061.379	4586179.362	40.886	pilar
6091	417052.121	4586177.569	43.667	viga	7154	417014.343	4586379.434	53.070	ct	8102	417006.583	4586324.191	44.521	pilar	8179	417062.187	4586179.463	40.950	pilar
6092	417052.893	4586177.763	43.667	viga	7155	417016.855	4586379.962	54.303	ct	8103	417007.168	4586323.512	44.475	pilar	8181	417060.296	4586179.738	43.386	dintel
6093	417052.903	4586177.759	44.203	dintel	7156	417018.262	4586370.140	53.161	ct	8104	417008.187	4586323.661	44.517	pilar	8182	417051.945	4586177.478	43.378	dintel
6095	417054.642	4586178.231	43.636	viga	7157	417022.442	4586371.184	54.391	ct	8105	417016.836	4586326.700	45.866	pilar	8183	417050.184	4586176.979	43.370	dintel
6096	417055.421	4586178.436	43.633	viga	7158	417024.314	4586360.213	53.351	ct	8106	417017.106	4586325.862	45.797	pilar	8184	417037.374	4586173.565	43.665	dintel
6097	417055.427	4586178.416	43.359	dintel	7159	417020.694	4586359.635	51.955	ct	8107	417017.640	4586325.629	45.872	pilar	8185	417045.641	4586143.628	42.900	dintel
6100	417058.054	4586179.138	45.009	dintel	7160	417024.548	4586346.943	50.921	ct	8108	417017.769	4586325.073	46.060	dintel	8187	417058.455	4586146.912	42.699	dintel
6102	417061.753	4586148.140	42.598	dintel	7161	417028.476	4586347.663	52.000	ct	8109	417016.212	4586324.759	46.064	dintel	8188	417060.033	4586147.685	42.621	dintel
6103	417061.747	4586148.164	43.543	dintel	7162	417030.087	4586332.332	50.232	ct	8110	417015.598	4586327.610	46.052	dintel	8190	417063.065	4586147.201	40.321	pilar
6110	417063.031	4586218.839	42.226	rell	7163	417035.120	4586332.822	51.579	ct	8111	417014.291	4586324.416	46.103	dintel	8191	417062.175	4586147.600	40.317	pilar
6111	417065.834	4586214.585	42.166	rell	7164	417036.830	4586317.245	50.789	ct	8112	417001.370	4586321.603	46.348	dintel	8192	417061.435	4586146.919	40.320	pilar
6112	417067.871	4586210.936	41.938	rell	7165	417033.154	4586315.847	49.370	ct	8113	417007.428	4586294.168	45.963	dintel	8193	417053.344	4586144.365	41.529	pilar
6113	417069.606	4586211.586	46.336	rell	7166	417033.173	4586315.865	49.367	ct	8114	417008.103	4586291.245	45.917	dintel	8194	417052.564	4586144.981	41.718	pilar
6114	417066.240	4586220.054	45.302	rell	7167	417043.254	4586304.449	51.464	ct	8115	417021.015	4586294.233	45.667	dintel	8195	417051.510	4586144.354	41.793	pilar
6115	417064.055	4586227.817	46.108	rell	7168	417043.242	4586304.469	51.449	ct	8116	417022.208	4586297.443	45.580	dintel	8196	417070.546	4586124.029	42.246	viga
6116	417087.896	4586089.093	40.050	muro	7169	417040.568	4586302.778	50.331	ct	8117	417022.870	4586294.561	45.604	dintel	8197	417065.295	4586142.266	42.736	viga
6117	417081.101	4586105.331	41.400	muro	7170	417044.437	4586297.239	50.354	ct	8118	417026.523	4586295.350	45.574	dintel	8199	417063.413	4586149.002	42.876	viga
6118	417009.053	4586386.043	48.410	cun	7171	417048.618	4586298.812	51.574	ct	8119	417025.018	4586295.711	44.126	pilar	8200	417056.452	4586174.552	43.530	viga
6119	417009.442	4586386.122	48.605	cun	7172	417048.627	4586291.966	48.665	ct	8120	417023.834	4586295.703	44.078	pilar	8201	417055.354	4586178.611	43.614	viga
6120	417011.356	4586379.786	48.750	muro	7173	417047.656	4586289.093	47.290	ct	8121	417023.521	4586296.338	44.123	pilar	8202	417048.323	4586205.080	44.307	viga
6121	417054.410	4586201.600	38.703	ct	7174	417052.479	4586289.826	48.083	ct	8122	417014.608	4586293.208	43.553	pilar	8203	417047.086	4586209.867	44.339	viga
6122	417072.843	4586192.197	37.750	ct	7175	417044.085	4586281.356	45.031	ct	8123	417013.700	4586293.311	43.541	pilar	8204	417040.831	4586234.649	44.832	viga

8231	417054.928	4586177.750	45.498	acera
8232	417051.309	4586191.242	45.886	acera
8233	417047.586	4586205.392	46.231	acera
8234	417044.021	4586219.373	46.459	acera
8235	417040.496	4586233.315	46.741	acera
8236	417036.334	4586250.314	47.066	acera
8237	417032.720	4586265.286	47.342	acera
8238	417029.460	4586279.019	47.600	acera
8239	417026.429	4586292.336	47.796	acera
8240	417023.240	4586306.448	47.988	acera
8241	417020.065	4586320.782	48.149	acera
8242	417016.901	4586335.600	48.390	acera
8243	417013.942	4586349.685	48.512	acera
8244	417011.964	4586359.279	48.640	acera
8245	417068.039	4586135.177	39.400	muro
8246	417068.228	4586134.519	39.440	muro
8247	417065.573	4586143.834	37.780	lb
8248	417066.407	4586140.896	37.745	calz
8249	417056.095	4586178.081	38.030	lb
8250	417054.752	4586183.072	38.033	muro
8251	417054.342	4586184.596	38.650	muro
8252	417060.769	4586173.287	38.100	muro
8253	417069.059	4586163.172	38.600	muro
8254	417055.753	4586186.501	38.600	
8255	417066.715	4586177.115	41.030	muro
8256	417061.258	4586184.650	40.600	muro
8257	417055.753	4586186.533	40.060	muro
8258	417055.272	4586186.384	40.030	muro
8259	417047.529	4586210.514	38.341	ct
8260	417045.074	4586220.177	38.850	carril
8261	417043.384	4586226.888	38.970	carril
8262	417040.158	4586239.813	37.820	ct
8263	417039.202	4586243.684	37.770	muro
8264	417038.959	4586244.665	39.510	muro
8265	417051.217	4586231.594	39.606	acera
8266	417046.389	4586241.638	39.712	acera
8267	417044.162	4586245.497	39.879	acera
8268	417036.294	4586258.561	40.218	acera
8269	417033.678	4586266.108	40.824	acera
8270	417030.757	4586273.697	41.605	acera
8271	417026.879	4586282.627	41.815	acera
8272	417050.857	4586231.420	39.606	acera
8273	417046.035	4586241.452	39.712	acera
8274	417043.816	4586245.295	39.879	acera
8275	417035.930	4586258.391	40.218	acera
8276	417033.302	4586265.970	40.824	acera
8277	417030.387	4586273.545	41.605	acera
8278	417026.513	4586282.467	41.815	acera
8279	417033.987	4586265.216	40.750	canaleta
8280	417034.106	4586264.719	40.860	canaleta
8281	417034.465	4586263.228	40.750	canaleta
8282	417034.823	4586261.737	40.640	canaleta
8283	417034.942	4586261.240	40.550	canaleta
8284	417073.939	4586195.269	42.495	acera
8285	417068.137	4586203.130	42.613	acera
8286	417067.291	4586204.185	42.470	acera
8287	417064.815	4586207.048	39.524	acera
8288	417062.231	4586210.800	39.537	acera
8289	417055.471	4586220.665	39.548	acera
8290	417044.356	4586237.017	39.538	acera
8291	417042.382	4586240.084	39.502	acera
8292	417039.296	4586244.882	39.510	acera
8293	417057.777	4586220.407	39.050	ct
8294	417066.006	4586208.396	39.010	ct
8295	417068.328	4586205.066	42.300	ct
8296	417074.172	4586197.030	42.230	ct
8297	417073.941	4586195.354	42.190	muro
8298	417067.311	4586204.198	42.150	muro
8299	417064.833	4586207.062	39.050	muro
8300	417062.262	4586210.811	39.170	muro
8301	417055.505	4586220.690	39.300	muro
8302	417073.683	4586115.502	43.450	ct

Actuación E – Estructuras Ramales 1 y 2

193	418044.859	4582256.268	20.460	base	2932	417907.195	4582458.035	20.687	muro	3006	417883.714	4582438.596	20.179	cam	3080	417924.093	4582370.663	19.476	alamb
194	417943.470	4582426.848	28.438	base	2933	417911.009	4582463.887	20.419	cam	3007	417885.358	4582439.385	20.148	cam	3081	417917.808	4582380.274	19.319	alamb
195	417931.748	4582546.696	28.617	base	2934	417912.909	4582463.771	20.190	cam	3008	417887.264	4582438.101	20.151	cam	3082	417903.679	4582372.166	19.345	alamb
196	417761.622	4582297.399	23.263	base	2935	417910.207	4582457.708	20.418	ct	3009	417890.120	4582434.774	20.182	cam	3083	417889.031	4582363.466	19.530	alamb
2861	417919.808	4582516.862	18.768	cun	2936	417914.018	4582450.877	19.618	ct	3010	417893.513	4582430.089	20.026	cam	3084	417878.240	4582356.258	19.447	alamb
2862	417917.596	4582516.034	18.764	cun	2937	417916.023	4582444.554	19.456	ct	3011	417893.579	4582427.799	20.103	muro	3085	417874.552	4582361.808	19.543	ct
2863	417921.073	4582506.721	18.717	cun	2938	417913.131	4582441.794	18.974	ct	3012	417895.067	4582428.071	20.041	muro	3086	417885.292	4582371.251	19.817	ct
2864	417923.291	4582507.869	18.749	cun	2939	417908.855	4582437.132	19.151	ct	3013	417897.810	4582424.306	19.980	muro	3087	417888.364	4582369.123	19.247	rell
2865	417925.184	4582502.063	18.712	cun	2940	417908.884	4582437.228	18.713	ct	3014	417897.047	4582422.533	19.969	muro	3088	417895.167	4582378.041	19.460	ct
2867	417922.496	4582502.803	18.711	cun	2941	417908.170	4582437.193	18.756	ct	3015	417897.016	4582421.562	20.104	ct	3089	417897.839	4582375.316	19.192	rell
2868	417926.277	4582495.431	18.660	cun	2942	417903.550	4582445.681	19.269	ct	3016	417893.680	4582417.654	20.478	ct	3090	417908.670	4582383.285	19.157	rell
2869	417923.826	4582495.610	18.743	cun	2943	417901.620	4582448.922	19.313	ct	3017	417891.423	4582413.469	20.395	ct	3091	417906.907	4582387.891	19.449	ct
2870	417923.511	4582488.704	18.696	cun	2944	417907.541	4582447.037	19.417	rell	3018	417889.662	4582414.060	19.536	muro	3092	417908.037	4582389.282	19.471	ct
2871	417925.734	4582488.470	18.653	cun	2945	417907.557	4582452.048	19.509	rell	3019	417889.608	4582414.032	19.556	muro	3093	417907.994	4582389.298	19.734	muro
2872	417924.852	4582480.188	18.557	cun	2946	417911.654	4582449.597	19.592	rell	3020	417892.710	4582413.032	21.372	muro	3094	417907.845	4582392.131	21.335	muro
2873	417922.705	4582480.309	18.673	cun	2947	417911.034	4582452.734	19.716	ct	3021	417892.093	4582413.243	20.517	ct	3095	417911.624	4582392.830	19.419	rell
2874	417922.609	4582470.534	18.573	cun	2948	417908.501	4582454.454	19.785	ct	3022	417894.047	4582416.983	20.407	ct	3096	417914.770	4582400.165	19.441	cam
2875	417924.977	4582470.568	18.541	cun	2949	417905.678	4582456.409	20.245	ct	3023	417896.590	4582420.042	20.231	ct	3097	417916.891	4582400.623	19.344	ct
2876	417925.355	4582459.200	18.471	cun	2950	417895.329	4582455.450	19.331	ct	3024	417898.826	4582421.061	19.874	ct	3098	417925.505	4582388.670	18.741	ct
2877	417922.975	4582459.473	18.510	cun	2951	417913.546	4582460.196	20.076	cam	3025	417899.053	4582419.196	19.757	ct	3099	417920.711	4582386.532	19.287	cam
2878	417921.356	4582450.733	18.554	cun	2952	417916.119	4582449.315	19.608	cam	3026	417896.718	4582417.904	19.624	ct	3100	417923.006	4582388.704	19.172	CT
2879	417923.561	4582450.278	18.384	cun	2953	417917.780	4582442.755	19.490	cam	3027	417895.472	4582415.984	19.566	ct	3101	417925.885	4582378.229	19.275	pozsan
2880	417921.738	4582446.478	18.535	cun	2954	417919.084	4582433.025	19.439	cam	3028	417894.455	4582412.483	19.432	ct	3102	417927.127	4582377.419	19.231	cam
2881	417920.601	4582448.531	18.611	cun	2955	417920.004	4582429.313	19.497	cam	3029	417898.407	4582414.970	19.242	rell	3103	417929.375	4582379.307	19.002	ct
2882	417923.536	4582445.223	19.600	ct	2956	417922.509	4582437.164	19.309	cam	3030	417894.921	4582428.730	20.072	cam	3104	417931.079	4582380.681	18.790	ct
2883	417921.902	4582445.724	19.409	ct	2957	417921.023	4582443.344	19.458	cam	3031	417898.430	4582423.788	19.941	cam	3105	417936.467	4582366.542	19.246	cam
2884	417919.864	4582447.919	19.491	ct	2958	417916.491	4582443.789	18.529	cun	3032	417900.621	4582419.102	19.664	cam	3106	417937.385	4582367.498	19.092	ct
2885	417919.624	4582450.591	19.357	ct	2959	417917.250	4582442.005	18.348	cun	3033	417901.392	4582416.135	19.425	cam	3107	417939.082	4582367.976	18.951	ct
2886	417919.276	4582450.515	19.429	cam	2960	417916.624	4582439.527	18.509	cun	3034	417904.178	4582417.806	19.511	cam	3108	417944.013	4582355.178	19.222	cam
2887	417918.567	4582460.860	19.817	cam	2961	417911.509	4582434.377	18.410	cun	3035	417905.666	4582419.250	19.356	ct	3109	417945.335	4582355.561	19.121	ct
2888	417920.747	4582460.835	19.653	ct	2962	417909.937	4582433.700	18.339	cun	3036	417901.257	4582426.833	19.300	ct	3110	417947.095	4582356.397	19.010	ct
2889	417920.777	4582472.060	19.789	ct	2963	417908.251	4582436.078	18.195	cun	3037	417901.384	4582427.293	19.306	tubo1000	3111	417931.803	4582381.628	17.806	tablero
2890	417919.569	4582472.128	19.929	cam	2964	417909.097	4582436.538	18.299	cun	3038	417899.354	4582430.322	19.299	tubo1000	3112	417931.073	4582382.595	17.806	tablero
2891	417920.279	4582482.168	19.842	cam	2965	417910.313	4582437.909	18.413	cun	3039	417898.826	4582430.337	19.315	ct	3113	417940.063	4582388.768	17.788	tablero
2892	417920.991	4582481.887	19.712	ct	2966	417913.967	4582441.232	18.438	cun	3040	417897.586	4582431.930	19.440	ct	3114	417941.137	4582387.991	17.828	tablero
2893	417922.152	4582492.213	19.831	ct	2967	417918.244	4582439.646	19.216	ct	3041	417903.808	4582419.929	19.806	ct	3115	417916.880	4582391.431	19.296	
2894	417920.051	4582492.587	19.879	cam	2968	417917.005	4582438.763	18.880	ct	3042	417899.777	4582426.338	19.935	ct	3116	417930.302	4582410.568	19.881	pozsan
2895	417917.589	4582502.731	19.800	cam	2969	417914.427	4582435.944	18.830	ct	3043	417899.256	4582426.177	19.951	cam	3117	417929.402	4582411.096	19.085	ct
2896	417920.222	4582503.007	19.837	ct	2970	417911.617	4582433.717	18.797	ct	3044	417895.977	4582430.917	19.995	cam	3118	417931.269	4582412.954	19.434	cam
2897	417917.363	4582506.205	19.959	pozsan	2971	417910.756	4582433.354	18.737	ct	3045	417896.566	4582431.161	19.916	ct	3119	417934.392	4582415.792	19.367	cam
2898	417915.580	4582514.045	19.795	cam	2972	417912.541	4582431.356	19.025	ct	3046	417892.805	4582438.424	19.501	ct	3120	417945.406	4582414.840	20.267	muro
2899	417916.428	4582514.044	19.810	ct	2973	417916.213	4582425.671	19.183	ct	3047	417892.029	4582437.698	20.064	ct	3121	417943.446	4582415.478	21.288	muro
2900	417910.159	4582513.329	19.813	cam	2974	417918.525	4582428.013	19.344	ct	3048	417891.238	4582437.349	20.192	cam	3122	417947.017	4582414.028	19.791	ct
2901	417912.257	4582502.540	19.849	cam	2975	417917.392	4582433.548	19.234	ct	3049	417886.960	4582442.390	20.228	cam	3123	417944.969	4582411.099	19.454	cam
2902	417911.380	4582501.978	19.901	ct	2976	417915.272	4582433.746	20.252	pozsan	3050	417885.584	4582444.189	20.267	cam	3124	417939.516	4582406.367	19.382	cam
2903	417912.239	4582491.243	19.907	ct	2977	417923.989	4582444.738	20.061	muro	3051	417885.232	4582445.606	20.286	cam	3125	417935.303	4582402.310	19.039	ct
2904	417913.675	4582491.447	19.852	cam	2978	417924.874	4582429.297	27.596	muro	3052	417886.322	4582445.724	20.286	ct	3126	417947.640	4582401.570	19.353	cam
2905	417913.431	4582481.153	19.886	cam	2979	417882.142	4582450.050	20.351	alamb	3053	417887.162	4582446.850	19.368	ct	3127	417950.700	4582407.095	19.353	cam
2906	417912.492	4582481.490	19.887	ct	2980	417882.147	4582450.037	20.344	alamb	3054	417887.152	4582436.731	21.078	pozsan	3128	417954.394	4582414.448	19.737	ct
2907	417911.474	4582476.150	20.022	ct	2981	417878.460	4582446.345	19.986	alamb	3055	417887.146	4582436.740	21.068	pozsan	3129	417961.461	4582411.528	19.852	ct
2908	417912.724	4582475.572	20.004	cam	2982	417881.663	4582443.279	20.326	alamb	3056	417872.588	4582409.905	19.085	alamb	3130	417964.468	4582406.286	19.916	ct
2909	417910.004	4582470.151	20.441	cam	2983	417881.470	4582442.211	20.402	alamb	3057	417861.809	4582400.529	19.063	alamb	3131	417957.898	4582400.373	19.424	cam
2910	417909.267	4582471.870	20.295	ct	2984	417871.589	4582437.140	19.601	alamb	3058	417852.322	4582392.807	19.217</						

3154	417954.747	4582355.093	13.667	cun	3233	417895.421	4582406.225	25.694	ct	3311	417920.057	4582425.615	19.320	ct	4065	417941.770	4582518.547	29.369	ct
3155	417945.291	4582368.999	13.689	cun	3234	417896.675	4582404.301	25.722	lb	3312	417921.688	4582426.870	19.480	cam	4066	417944.186	4582519.481	29.497	lb
3156	417946.946	4582370.922	13.689	cun	3235	417884.600	4582394.958	24.930	lb	3313	417924.824	4582429.337	19.450	ct	4067	417940.584	4582529.358	29.278	lb
3157	417939.296	4582382.261	13.613	cun	3236	417883.426	4582395.969	24.889	calz	3314	417923.960	4582444.727	19.600	ct	4068	417939.651	4582528.953	29.292	calz
3158	417937.464	4582380.868	13.608	cun	3237	417882.359	4582396.709	24.852	ct	3315	417907.484	4582400.504	19.440	ct	4069	417937.881	4582527.922	29.124	ct
3160	417931.807	4582393.523	13.678	cun	3238	417870.707	4582387.933	24.146	ct	3316	417909.465	4582402.034	19.380	cam	4070	417934.326	4582538.310	28.777	ct
3161	417929.893	4582392.141	13.678	cun	3239	417871.417	4582386.729	24.247	calz	3317	417912.311	4582404.234	19.420	cam	4071	417936.103	4582538.548	28.974	calz
3162	417921.905	4582404.610	13.705	cun	3240	417872.458	4582385.600	24.299	lb	3318	417912.722	4582404.558	19.400	ct	4072	417937.101	4582539.026	28.940	lb
3163	417923.866	4582405.526	13.736	cun	3241	417861.709	4582377.283	23.792	lb	3319	417913.958	4582405.512	19.360	ct	4073	417933.403	4582549.583	28.467	lb
3164	417913.743	4582420.749	14.929	cun	3242	417860.633	4582378.382	23.764	calz	3320	417918.824	4582409.261	13.800	cun	4074	417932.394	4582549.196	28.509	calz
3165	417911.987	4582419.379	14.916	cun	3243	417860.097	4582379.465	23.781	ct	3321	417920.507	4582410.572	13.800	cun	4075	417930.611	4582548.662	28.319	ct
3166	417906.085	4582432.220	14.939	cun	3244	417866.493	4582372.042	23.787	lb	3322	417924.736	4582413.844	19.350	ct	4076	417931.807	4582547.325	28.599	farola
3167	417904.148	4582431.210	14.911	cun	3245	417867.375	4582370.994	23.776	calz	3323	417926.719	4582415.343	19.200	ct	4077	417927.440	4582558.308	27.776	ct
3168	417898.508	4582443.518	14.933	cun	3246	417868.501	4582369.982	23.767	ct	3324	417928.586	4582416.801	19.440	cam	4078	417929.319	4582558.261	28.046	calz
3169	417897.010	4582442.569	14.910	cun	3247	417880.743	4582379.458	24.376	ct	3325	417931.726	4582419.245	19.450	ct	4079	417930.224	4582558.956	27.983	lb
3170	417894.862	4582449.040	14.927	cun	3248	417880.037	4582380.741	24.357	calz	3326	417945.392	4582414.805	19.800	ct	4080	417927.016	4582568.784	27.462	lb
3171	417893.149	4582448.416	14.920	cun	3249	417879.084	4582381.804	24.401	lb	4002	417968.914	4582371.939	19.083	cam	4081	417923.877	4582580.733	26.806	lb
3172	417886.069	4582458.606	14.921	cun	3250	417890.603	4582390.693	25.039	lb	4003	417974.006	4582374.533	19.055	cam	4082	417921.161	4582592.233	26.177	lb
3173	417881.952	4582458.311	14.930	cun	3251	417891.517	4582389.637	24.997	calz	4004	417979.127	4582364.969	19.104	cam	4083	417917.663	4582605.204	25.481	lb
3175	417871.521	4582469.448	14.984	cun	3252	417892.299	4582388.616	25.008	ct	4005	417974.608	4582362.281	19.142	cam	4084	417914.523	4582616.669	24.883	lb
3176	417869.526	4582467.899	14.973	cun	3253	417902.804	4582397.039	25.600	ct	4006	417980.960	4582351.820	19.183	cam	4085	417911.546	4582628.079	24.374	lb
3177	417933.657	4582401.423	18.710	ct	3254	417907.465	4582400.511	25.770	muro	4007	417985.272	4582353.807	19.126	cam	4086	417908.566	4582639.984	23.929	lb
3178	417945.604	4582384.213	18.841	ct	3255	417904.683	4582399.755	25.894	calz	4008	417990.294	4582344.500	19.071	cam	4087	417905.588	4582652.661	23.539	lb
3179	417958.364	4582364.663	18.715	ct	3256	417904.096	4582401.115	25.929	lb	4009	417986.233	4582341.965	19.179	cam	4088	417902.596	4582665.904	23.203	lb
3180	417966.655	4582352.552	18.896	ct	3257	417904.109	4582401.120	25.927	lb	4010	417991.230	4582332.921	19.204	cam	4089	417899.546	4582679.466	23.021	lb
3181	417978.883	4582333.754	18.883	ct	3258	417906.400	4582401.073	25.978	junta	4011	417995.937	4582335.145	19.131	cam	4090	417896.300	4582693.260	22.976	lb
3182	417940.228	4582521.894	29.275	ct	3259	417918.018	4582410.071	26.822	calz	4012	418001.561	4582325.454	19.092	cam	4091	417892.946	4582706.592	23.078	lb
3183	417941.985	4582522.150	29.433	calz	3260	417917.068	4582411.145	26.844	lb	4013	417997.680	4582322.233	19.131	cam	4092	417896.954	4582707.370	23.136	lb
3184	417943.064	4582522.507	29.424	lb	3261	417931.436	4582420.445	27.691	junta	4014	418003.376	4582312.789	19.048	cam	4093	417900.094	4582694.864	23.067	lb
3185	417947.156	4582511.339	29.556	lb	3262	417934.300	4582422.670	27.887	calz	4015	418008.378	4582315.538	19.039	cam	4094	417902.978	4582682.649	23.065	lb
3186	417946.202	4582511.264	29.552	calz	3263	417932.761	4582423.090	27.866	lb	4016	417978.660	4582369.057	19.180	ct	4095	417906.052	4582668.958	23.179	lb
3187	417944.677	4582511.238	29.478	ct	3264	417935.465	4582422.199	27.611	ct	4017	417981.107	4582370.293	19.489	ct	4096	417909.015	4582655.861	23.388	lb
3188	417943.392	4582515.533	29.617	farola	3265	417931.723	4582419.253	27.462	muro	4018	417976.172	4582379.939	19.553	ct	4097	417912.000	4582642.792	23.784	lb
3189	417945.396	4582507.759	29.552	arq	3266	417943.239	4582424.971	27.512	ct	4019	417973.111	4582377.636	19.188	ct	4098	417915.185	4582630.057	24.252	lb
3190	417946.422	4582504.306	29.581	ct	3267	417941.837	4582425.567	28.207	calz	4020	417971.477	4582389.580	19.625	ct	4099	417918.304	4582618.115	24.790	lb
3191	417947.684	4582504.731	29.596	calz	3268	417941.201	4582427.034	28.283	lb	4021	417971.509	4582389.583	19.599	ct	4100	417921.573	4582606.246	25.413	lb
3192	417948.928	4582505.123	29.636	lb	3269	417949.619	4582431.825	28.723	lb	4022	417967.722	4582387.489	19.310	ct	4101	417925.205	4582594.088	26.066	lb
3193	417950.339	4582495.792	29.611	lb	3270	417950.725	4582430.686	28.752	calz	4023	417915.435	4582516.637	19.737	cam	4102	417925.210	4582594.090	26.065	lb
3194	417948.462	4582495.398	29.566	calz	3271	417952.710	4582428.326	28.047	ct	4025	417906.808	4582525.419	19.798	cam	4103	417929.006	4582582.025	26.724	lb
3195	417946.834	4582495.638	29.527	ct	3272	417960.383	4582430.418	28.611	ct	4026	417912.410	4582527.828	19.665	cam	4104	417933.050	4582569.706	27.401	lb
3196	417947.110	4582494.632	29.664	farola	3273	417958.817	4582436.025	29.168	calz	4027	417909.331	4582537.876	19.620	cam	4105	417937.544	4582556.378	28.108	lb
3197	417946.400	4582486.585	29.470	ct	3274	417966.960	4582436.707	29.465	calz	4028	417904.098	4582537.049	19.752	cam	4106	417941.887	4582543.804	28.694	lb
3198	417947.801	4582486.436	29.497	calz	3275	417966.952	4582436.709	29.473	calz	4029	417901.742	4582547.066	19.729	cam	4107	417946.308	4582531.491	29.149	lb
3199	417950.166	4582486.561	29.553	lb	3276	417966.042	4582429.154	28.814	ct	4030	417907.252	4582547.384	19.606	cam	4108	417950.810	4582519.355	29.511	lb
3200	417949.729	4582476.866	29.507	lb	3277	417966.766	4582432.829	29.466	farola	4031	417904.930	4582557.470	19.601	cam	4109	417955.077	4582508.044	29.784	lb
3201	417947.360	4582476.853	29.467	calz	3278	417973.135	4582425.374	29.034	ct	4032	417899.466	4582556.911	19.704	cam	4110	417956.395	4582503.509	29.824	lb
3202	417945.633	4582476.921	29.392	ct	3279	417977.210	4582428.804	29.602	calz	4033	417897.767	4582566.427	19.756	cam	4111	417959.198	4582507.693	29.873	lb
3203	417947.213	4582467.847	29.468	ct	3280	417977.198	4582428.802	29.585	calz	4034	417903.210	4582567.500	19.648	cam	4112	417962.058	4582511.201	29.931	lb
3204	417948.395	4582468.283	29.412	calz	3281	417982.787	4582419.762	29.553	calz	4035	417900.897	4582577.683	19.702	cam	4115	417983.886	4582422.675	29.638	lb
3205	417950.611	4582468.978	29.451	lb	3282	417981.235	4582418.665	29.543	ct	4036	417895.759	4582577.845	19.879	cam	4116	417988.762	4582411.699	29.498	lb
3206	417950.611	4582468.988	29.468	lb	3283	417918.981	4582423.976	19.107	dest	4037	417893.739	4582587.614	19.923	cam	4117	417993.585	4582400.044	29.229	lb
3207	417948.389	4582462.932	29.505	farola	3284	417942.991	4582405.543	19.217	dest	4038	417898.945	4582588.789	19.829	cam	4118	417998.625	4582388.008	28.815	lb
3208	417948.564	4582459.767	29.317	ct	3285	417918.934	4582464.713	19.888	dest	4039	417896.966	4582600.010	19.854	cam	4119	417986.636	4582410.937		

Actuación E – Ramal 3 (Posible ampliación cuña Puente Arco)

191	418307.627	4582760.359	31.779	base	1074	418282.586	4582753.361	20.357	ct	2797	418254.977	4582694.754	18.133	cam	2871	418268.994	4582693.011	21.600	ct
1001	418268.851	4582726.255	20.985	dest	1075	418279.649	4582750.918	20.284	ct	2798	418262.123	4582696.924	18.341	cam	2872	418269.449	4582692.848	21.600	ct
1002	418263.797	4582746.956	20.545	dest	1076	418281.327	4582737.004	20.598	ct	2799	418262.750	4582697.093	18.476	ct	2873	418269.770	4582692.504	21.600	ct
1003	418277.116	4582752.527	20.445	dest	1077	418283.005	4582727.972	20.788	ct	2800	418267.272	4582662.910	18.508	ct	2874	418273.477	4582687.774	21.640	ct
1004	418308.303	4582684.178	21.828	dest	1078	418281.995	4582727.362	20.923	ct	2801	418266.620	4582662.682	18.472	cam	2875	418274.009	4582686.899	21.640	ct
1005	418293.702	4582676.165	21.990	dest	1079	418280.337	4582738.317	20.773	ct	2802	418260.978	4582659.634	18.510	cam	2876	418273.453	4582686.018	21.630	ct
1006	418278.215	4582696.742	21.200	dest	1080	418278.482	4582751.239	20.544	ct	2803	418253.894	4582655.272	18.390	ct	2877	418272.361	4582685.630	21.650	ct
1007	418248.421	4582679.130	33.824	barrera	1081	418260.705	4582746.005	20.633	ct	2804	418256.121	4582644.702	18.566	ct	2878	418271.422	4582685.957	21.620	ct
1008	418248.458	4582679.215	32.655	barrera	1082	418266.893	4582747.036	20.495	rell	2805	418247.316	4582643.778	12.993	ct					
1009	418275.585	4582700.203	32.168	barrera	1083	418274.153	4582747.876	20.504	rell	2806	418241.271	4582640.882	12.861	rell					
1010	418274.474	4582699.311	33.364	barrera	1084	418276.712	4582732.913	20.777	rell	2807	418227.417	4582678.477	13.100	rell					
1011	418300.180	4582719.177	32.777	barrera	1085	418270.258	4582731.297	20.808	rell	2808	418242.763	4582696.170	13.374	ct					
1012	418301.294	4582720.394	32.183	barrera	1086	418272.516	4582716.577	21.100	rell	2809	418238.737	4582720.639	12.948	ct					
1013	418301.573	4582720.148	31.575	barrera	1087	418278.748	4582717.512	20.922	rell	2810	418231.074	4582720.687	13.217	rell					
1014	418301.541	4582720.112	31.547	estribo	1088	418284.089	4582705.680	21.033	rell	2811	418236.098	4582752.082	13.423	ct					
1015	418298.063	4582717.394	31.473	estribo	1089	418277.609	4582701.207	21.097	rell	2812	418225.497	4582749.269	13.356	rell					
1016	418298.024	4582717.394	28.927	estribo	1090	418271.270	4582694.417	21.556	rell	2813	418307.740	4582769.261	31.672	calz					
1017	418298.643	4582717.881	28.916	estribo	1091	418274.574	4582688.068	21.636	rell	2814	418307.738	4582769.263	31.654	calz					
1018	418299.032	4582715.926	29.900	estribo	1092	418281.452	4582691.593	21.420	rell	2815	418306.242	4582769.154	31.614	ct					
1019	418298.026	4582715.141	29.944	estribo	1093	418289.106	4582696.122	21.305	rell	2816	418306.612	4582759.550	31.613	ct					
1020	418298.840	4582714.039	29.935	estribo	1094	418300.848	4582691.193	21.705	rell	2817	418308.425	4582759.327	31.665	calz					
1021	418298.855	4582714.012	28.959	estribo	1095	418293.759	4582685.421	21.815	rell	2818	418306.972	4582748.793	31.635	calz					
1022	418298.956	4582713.916	28.918	estribo	1096	418286.745	4582680.141	21.759	rell	2819	418305.532	4582748.414	31.660	ct					
1023	418301.513	4582710.625	28.933	estribo	1097	418279.136	4582674.754	21.899	rell	2820	418305.116	4582739.195	31.699	ct					
1024	418301.542	4582710.552	28.992	estribo	1098	418281.651	4582666.881	21.900	rell	2821	418306.304	4582739.495	31.655	calz					
1025	418301.572	4582710.542	29.921	estribo	1099	418289.347	4582674.732	22.031	rell	2822	418307.288	4582732.008	31.739	calz					
1026	418302.390	4582709.432	29.910	estribo	1100	418295.961	4582682.507	21.923	rell	2823	418305.992	4582731.554	31.669	ct					
1027	418299.037	4582715.596	31.588	viga	1101	418304.898	4582688.744	21.714	rell	2824	418305.383	4582726.488	31.701	ct					
1028	418285.314	4582704.973	31.844	viga	1102	418304.968	4582707.068	28.297	ct	2825	418307.127	4582726.849	31.745	calz					
1029	418269.353	4582692.631	32.189	viga	1103	418302.181	4582705.641	27.104	ct	2826	418304.704	4582722.180	31.775	calz					
1030	418252.450	4582679.543	32.525	viga	1104	418299.263	4582706.502	27.267	ct	2827	418303.249	4582722.493	31.649	ct					
1031	418299.114	4582715.573	30.174	viga	1105	418298.050	4582708.883	27.290	ct	2828	418302.564	4582720.844	31.751	ct					
1032	418289.735	4582708.362	30.298	viga	1106	418297.253	4582712.309	27.705	ct	2829	418302.876	4582720.657	31.850	calz					
1033	418282.600	4582702.860	29.300	viga	1107	418295.695	4582716.118	27.519	ct	2830	418301.846	4582719.713	31.953	calz					
1034	418276.729	4582698.319	27.308	viga	1108	418296.987	4582718.619	27.932	ct	2831	418298.439	4582717.209	32.047	junta					
1035	418269.092	4582692.395	23.159	viga	1109	418297.857	4582714.989	27.806	rell	2832	418287.290	4582708.601	32.306	calz					
1036	418268.706	4582692.121	31.663	viga	1110	418302.198	4582709.200	27.925	rell	2833	418276.175	4582699.988	32.532	calz					
1037	418285.812	4582704.265	31.266	viga	1111	418300.041	4582709.021	27.752	rell	2834	418264.742	4582691.139	32.795	calz					
1038	418285.860	4582705.373	30.912	viga	1112	418272.616	4582685.793	22.244	pilar	2835	418253.346	4582682.307	33.008	calz					
1039	418285.314	4582704.953	30.553	viga	1113	418273.343	4582686.133	22.256	pilar	2836	418253.349	4582682.306	33.018	calz					
1040	418278.726	4582699.880	28.801	viga	1114	418273.706	4582686.850	22.264	pilar	2837	418241.858	4582673.440	33.183	calz					
1041	418272.969	4582695.419	26.222	viga	1115	418273.447	4582687.760	22.255	pilar	2838	418241.860	4582673.445	33.161	calz					
1042	418268.819	4582692.207	23.745	viga	1116	418269.749	4582692.492	22.216	pilar	2839	418242.918	4582672.242	33.185	lb					
1043	418268.698	4582692.108	23.749	viga	1117	418268.999	4582692.957	22.225	pilar	2840	418252.809	4582679.880	33.063	lb					
1044	418266.230	4582690.212	32.255	viga	1120	418267.819	4582690.983	22.223	pilar	2841	418264.765	4582689.108	32.842	lb					
1045	418251.044	4582678.449	32.544	viga	1121	418271.517	4582686.251	22.229	pilar	2842	418276.562	4582698.242	32.583	lb					
1046	418251.770	4582679.008	31.970	viga	1122	418271.394	4582682.716	21.950	ct	2843	418290.001	4582708.657	32.313	lb					
1047	418251.211	4582678.564	31.679	viga	1123	418272.944	4582672.939	22.105	ct	2844	418298.870	4582715.483	32.137	lb					
1048	418251.731	4582678.979	31.238	viga	1124	418274.341	4582662.183	21.700	ct	2845	418307.843	4582711.933	31.970	calz					
1049	418258.293	4582684.094	29.235	viga	1125	418272.405	4582687.630	22.531	viga	2846	418307.341	4582712.275	31.940	lb					
1050	418262.794	4582687.554	27.121	viga	1126	418269.403	4582691.481	22.536	viga	2847	418304.565	4582709.380	32.066	junta					
1051	418268.193	4582691.718	23.747	viga	1127	418308.123	4582711.580	31.528	estribo	2848	418291.715	4582699.331	32.350	calz					
1052	418268.336	4582691.839	31.657	viga	1128	418308.129	4582711.582	31.232	estribo	2849	418291.347	4582699.794	32.362	lb					
1053	418261.337	4582686.437	31.807	viga	1129	418304.608	4582708.873	28.931	estribo	2850	418283.108	4582693.655	32.527	lb					
1054	418268.314	4582691.826	23.754	viga	1130	418304.595	4582708.888	31.456	estribo	2851	418274.886	4582687.904	32.712	lb					
1055	418267.947	4582691.533	23.159	viga	1131	418303.549	4582710.231	29.926	estribo	2852	418275.643	4582686.894	32.723	calz					
1056	418261.460	4582686.531	27.092	viga	1132	418302.460	4582709.414	29.915	estribo	2853	418264.088	4582677.973	32.883	calz					
1057	418251.760	4582678.999	30.552	viga	1133	418255.755	4582751.837	18.573	ct	2854	418263.125	4582678.879	32.914	lb					
1058	418245.480	4582674.127	31.226	viga	2781	418254.993	4582751.758	18.450	cam	2855	418249.970	4582668.713	33.108	lb					
1059	418264.214	4582726.993	21.172	ct	2782	418247.702	4582749.925	18.273	cam	2856	418250.531	4582667.474	33.089	calz					
1060	418266.353	4582713.043	21.565	ct	2783	418246.546	4582750.003	18.803	ct	2857	418237.785	4582657.625	33.237	calz					

Actuación E – Estructura Ramal 4 P.K. 4+100

2696	418419.127	4583037.688	21.041	muro	2771	418415.954	4583022.346	20.991	muro	4186	418414.585	4582999.394	23.050	ct
2697	418424.049	4583037.910	21.164	rell	2772	418420.788	4582999.695	20.971	muro	4406	418461.761	4582991.037	24.771	lb
2698	418428.603	4583029.755	21.245	rell	2773	418417.992	4583000.190	21.146	muro	4407	418448.698	4582995.635	24.472	lb
2699	418421.696	4583025.458	21.006	muro	2774	418418.636	4582996.021	21.230	ct	4408	418436.762	4583000.983	24.157	lb
2700	418424.050	4583014.517	21.045	muro	2775	418419.211	4582991.188	21.120	ct	4409	418424.475	4583008.190	24.095	lb
2701	418426.675	4583015.357	20.889	muro	2776	418422.695	4582990.955	20.965	muro	4410	418415.327	4583016.133	23.919	lb
2702	418427.662	4583010.766	23.410	muro	2777	418420.952	4582990.586	20.989	rell	4411	418397.959	4583039.819	23.601	lb
2703	418426.908	4583015.489	21.061	ct	2778	418420.146	4582997.779	20.929	rell	4417	418399.162	4583028.956	23.895	lb
2704	418431.721	4583015.068	21.136	ct	4117	418427.825	4583010.919	23.407	muro	4418	418405.841	4583019.856	24.068	lb
2705	418438.999	4583012.730	21.275	ct	4118	418427.887	4583011.209	23.375	muro	4419	418413.524	4583011.829	24.199	lb
2706	418446.703	4583009.212	21.522	ct	4119	418428.989	4583010.346	23.614	muro	4420	418423.178	4583004.361	24.385	lb
2707	418455.583	4583005.823	21.518	ct	4120	418429.349	4583008.823	23.692	muro	4421	418431.506	4582999.203	24.364	lb
2708	418456.338	4583008.740	22.175	rell	4121	418429.333	4583008.831	23.693	muro	4422	418438.522	4582994.806	24.433	lb
2709	418458.942	4583013.331	22.255	rell	4122	418428.968	4583009.320	23.662	muro	4423	418443.556	4582990.892	24.469	lb
2710	418449.275	4583018.723	22.087	rell	4123	418428.745	4583010.191	23.619	muro	4424	418448.949	4582986.334	24.477	lb
2711	418444.175	4583012.875	21.945	rell	4124	418429.347	4583007.572	23.935	junta	4425	418453.132	4582986.834	24.566	lb
2712	418433.508	4583019.422	21.613	rell	4125	418428.976	4583009.243	24.012	tablero	4426	418449.854	4582990.647	24.534	lb
2713	418434.632	4583030.017	21.785	rell	4126	418412.445	4583022.289	23.847	tablero	4427	418465.121	4582985.662	24.763	lb
2715	418457.411	4582998.164	24.632	ct	4127	418412.408	4583022.350	23.525	muro	4428	418402.577	4583031.096	23.710	lb
2716	418456.615	4582995.579	24.679	ct	4128	418412.716	4583022.755	23.477	muro	4429	418408.925	4583022.547	23.820	lb
2717	418456.667	4582995.333	24.633	calz	4129	418412.851	4583022.539	23.480	muro					
2718	418447.484	4582998.743	24.368	calz	4131	418412.487	4583020.587	23.720	junta					
2719	418447.702	4582998.889	24.420	ct	4132	418431.872	4582996.100	24.389	junta					
2720	418448.920	4583001.729	24.342	ct	4133	418432.093	4582995.066	24.772	tablero					
2721	418437.842	4583006.069	24.001	ct	4134	418431.785	4582994.606	24.756	tablero					
2722	418437.258	4583003.495	24.121	ct	4135	418432.040	4582995.537	24.446	muro					
2723	418437.337	4583003.245	24.041	calz	4136	418432.172	4582995.081	24.487	muro					
2724	418435.880	4583005.530	24.047	farola	4137	418431.674	4582993.824	24.373	muro					
2725	418431.474	4583008.734	23.675	ct	4138	418431.587	4582994.198	24.470	muro					
2726	418429.002	4583010.315	23.566	ct	4139	418431.950	4582995.946	24.424	muro					
2727	418430.171	4583007.445	23.816	ct	4140	418432.385	4582995.261	24.468	muro					
2728	418430.053	4583007.201	23.868	calz	4141	418432.449	4582994.978	24.453	muro					
2729	418412.209	4583022.501	23.589	ct	4144	418415.401	4583007.562	24.503	tablero					
2730	418411.356	4583021.884	23.601	calz	4145	418415.158	4583008.773	24.462	tablero					
2731	418409.962	4583027.249	23.383	ct	4146	418414.990	4583009.478	24.295	junta					
2732	418408.505	4583026.514	23.537	calz	4147	418415.401	4583007.454	24.311	muro					
2733	418404.043	4583034.043	23.364	calz	4148	418415.531	4583006.964	24.331	muro					
2734	418406.147	4583035.160	23.223	ct	4149	418416.458	4583006.122	24.319	muro					
2735	418398.727	4583044.965	23.451	calz	4150	418416.562	4583005.877	24.198	muro					
2736	418401.126	4583045.738	23.458	ct	4151	418416.421	4583005.838	24.211	muro					
2737	418400.882	4583023.547	23.892	calz	4152	418415.259	4583006.864	24.319	muro					
2738	418400.331	4583023.294	23.934	ct	4153	418412.209	4583021.983	23.600	tablero					
2739	418398.258	4583022.523	23.897	ct	4154	418412.517	4583022.906	23.500	muro					
2740	418407.238	4583012.581	23.470	ct	4155	418412.962	4583036.393	21.050	muro					
2741	418404.714	4583008.922	23.280	rell	4156	418410.004	4583035.860	21.350	muro					
2742	418408.366	4582998.738	23.164	rell	4157	418416.672	4583018.983	20.990	muro					
2743	418411.145	4583003.207	23.094	rell	4158	418416.709	4583018.952	17.490	muro					
2744	418407.685	4583014.609	24.143	ct	4159	418415.983	4583022.352	17.490	muro					
2745	418408.335	4583014.898	24.190	calz	4160	418414.185	4583030.670	17.520	muro					
2746	418414.339	4583009.884	24.220	calz	4161	418412.991	4583036.399	17.550	muro					
2747	418414.014	4583006.649	24.185	ct	4162	418419.098	4583037.682	17.540	muro					
2748	418416.362	4583005.973	24.213	ct	4163	418421.667	4583025.452	17.510	muro					
2749	418416.593	4583006.242	24.297	muro	4164	418424.021	4583014.511	17.550	muro					
2750	418432.595	4582995.418	24.425	calz	4165	418424.405	4583012.875	21.050	muro					
2751	418431.482	4582994.281	24.500	muro	4166	418424.368	4583012.904	17.550	muro					
2752	418431.887	4582993.805	24.246	ct	4167	418419.868	4583004.005	20.980	muro					
2753	418438.427	4582987.935	24.109	ct	4168	418419.905	4583003.976	17.480	muro					
2754	418439.826	4582990.166	24.374	calz	4169	418427.650	4582997.851	20.960	muro					
2755	418445.940	4582984.924	24.302	calz	4170	418427.613	4582997.883	17.460	muro					
2756	418443.500	4582982.223	24.150	ct	4171	418420.817	4582999.701	17.470	muro					
2757	418433.893	4582983.903	20.984	muro	4172	418422.724	4582990.961	17.470	muro					
2758	418435.911	4582980.665	21.028	ct	4173	418428.178	4582995.267	17.450	muro					
2759	418437.459	4582977.672	20.996	ct	4174	418430.116	4582987.012	17.390	muro					
2760	418432.492	4582976.904	20.876	muro	4175	418432.463	4582976.897	17.380	muro					
2761	418430.145	4582987.019	20.891	muro	4176	418410.045	4583035.860	20.930	muro					
2762	418432.418	4582987.239	20.824	rell	4177	418411.548	4583028.613	20.900	muro					
2763	418428.207	4582995.274	20.947	muro	4178	418413.038	4583021.853	21.020	muro					
2764	418431.012	4582992.733	20.982	rell	4179	418416.516	4583006.652	20.950	muro					
2765	418410.378	4583026.167	23.560	farola	4180	418418.018	4583000.191	20.900	muro					
2766	418412.832	4583022.660	23.468	muro	4181	418433.850	4582983.904	20.880	muro					
2767	418411.515	4583028.612	22.518	muro	4182	418431.301	4582994.964	20.960	muro					
2768	418412.733	4583029.744	20.924	rell	4183	418426.634	4583015.357	21.040	muro					
2769	418414.156	4583030.664	21.023	muro	4184	418427.715	4583010.307	21.080	muro					
2770	418413.967	4583022.898	21.034	rell	4185	418415.031	4582992.084	23.100	ct					

Actuación E – Estructura Ramal 5 P.K. 5+100 (Bóveda)

2309	418552.337	4582939.811	27.655	calz	2459	418544.270	4582967.538	20.594	pozsan
2378	418552.038	4582942.748	27.668	ct	2460	418542.698	4582961.941	20.471	cam
2379	418559.634	4582942.858	27.345	ct	2461	418549.604	4582960.654	20.531	cam
2380	418559.596	4582939.991	27.425	calz	2462	418557.782	4582959.892	20.702	cam
2381	418566.630	4582938.727	27.212	calz	2463	418568.340	4582957.364	20.445	cam
2382	418567.019	4582941.217	27.087	ct	2464	418573.996	4582954.723	20.611	cam
2383	418573.838	4582940.791	26.980	ct	2465	418577.810	4582951.716	20.617	cam
2384	418573.717	4582938.349	27.013	calz	2466	418577.083	4582950.785	20.732	ct
2385	418581.627	4582940.037	26.833	calz	2467	418571.574	4582954.939	20.570	ct
2386	418581.749	4582942.038	26.815	ct	2468	418566.313	4582956.696	20.653	ct
2387	418588.075	4582944.712	26.686	ct	2469	418543.470	4582960.386	20.466	ct
2388	418588.843	4582943.078	26.613	calz	2470	418582.046	4582956.457	20.705	pozsan
2389	418585.203	4582945.436	25.559	muro	2472	418577.320	4582950.568	20.695	marco
2390	418586.766	4582946.205	25.884	muro	2473	418587.916	4582957.342	20.435	marco
2391	418586.761	4582946.206	25.884	muro	2474	418580.539	4582957.313	20.694	
2392	418588.657	4582947.487	25.633	muro	2475	418594.750	4582964.449	20.615	dest
2393	418589.520	4582948.844	25.092	muro	2476	418560.017	4582963.409	20.596	dest
2394	418592.605	4582945.563	26.411	calz	2477	418582.126	4582947.177	20.382	cam
2395	418592.646	4582945.807	26.339	bord	2478	418587.180	4582949.722	20.404	cam
2396	418593.349	4582948.710	26.031	bord	2479	418588.287	4582956.526	21.097	marco
2397	418592.842	4582948.292	26.102	ct	2480	418588.860	4582954.028	22.516	marco
2398	418594.146	4582949.011	25.939	ct	2481	418588.968	4582952.220	23.455	marco
2399	418593.746	4582949.018	25.959	bord	2482	418588.903	4582951.068	23.988	marco
2400	418594.810	4582947.464	26.178	bord	2483	418588.406	4582949.168	24.840	marco
2401	418595.041	4582947.414	26.210	calz	2484	418586.865	4582947.230	25.356	marco
2402	418595.243	4582950.189	26.071	arqal	2485	418584.686	4582946.549	25.021	marco
2403	418595.861	4582949.355	26.132	farola	2486	418582.617	4582946.860	24.229	marco
2404	418599.204	4582952.911	25.702	ct	2487	418581.191	4582947.435	23.515	marco
2405	418600.633	4582951.785	25.894	calz	2488	418579.806	4582948.234	22.701	marco
2406	418609.309	4582958.507	25.548	calz	2489	418578.917	4582948.922	22.062	marco
2407	418608.138	4582959.931	25.300	ct	2490	418595.156	4582944.950	20.735	marco
2416	418601.763	4582966.777	20.773	ct	2491	418594.690	4582944.675	21.922	marco
2417	418593.244	4582962.263	20.938	ct	2492	418594.288	4582944.434	22.616	marco
2418	418587.407	4582959.039	20.723	ct	2493	418593.699	4582944.087	23.390	marco
2419	418587.718	4582957.997	20.611	ct	2494	418592.762	4582943.532	24.249	marco
2420	418586.776	4582956.767	20.618	cam	2495	418591.184	4582942.599	25.056	marco
2421	418586.230	4582958.651	20.657	cam	2496	418589.780	4582941.774	25.289	marco
2422	418587.507	4582960.281	20.618	cam	2497	418588.546	4582941.041	25.100	marco
2423	418595.952	4582964.288	20.642	cam	2498	418586.771	4582939.980	24.213	marco
2424	418602.898	4582968.142	20.579	cam	2499	418585.559	4582939.299	23.048	marco
2425	418601.239	4582970.691	20.504	cam	2500	418584.839	4582938.840	21.911	marco
2426	418594.836	4582967.156	20.586	cam	2501	418584.421	4582938.608	20.948	marco
2427	418596.399	4582964.080	20.666	alamb	2502	418587.905	4582957.336	20.400	marco
2428	418594.382	4582967.504	20.647	alamb	2503	418588.282	4582956.524	20.400	marco
2429	418592.620	4582967.199	20.681	ct	2504	418588.847	4582954.024	20.400	marco
2430	418594.205	4582968.762	20.664	ct	2505	418588.963	4582952.219	20.400	marco
2431	418596.661	4582968.905	20.395	ct	2506	418588.897	4582951.069	20.400	marco
2432	418601.470	4582971.341	20.428	ct	2507	418588.402	4582949.170	20.400	marco
2433	418601.078	4582971.972	20.054	ct	2508	418586.857	4582947.243	20.400	marco
2434	418594.019	4582969.462	20.154	ct	2509	418584.686	4582946.557	20.400	marco
2435	418590.876	4582968.289	19.998	ct	2510	418582.618	4582946.866	20.400	marco
2436	418590.265	4582980.704	19.857	rell	2511	418581.194	4582947.440	20.400	marco
2437	418578.914	4582974.625	19.813	rell	2512	418579.810	4582948.238	20.400	marco
2438	418582.845	4582992.750	19.882	rell	2513	418578.926	4582948.928	20.400	marco
2439	418570.875	4582986.071	19.806	rell	2514	418577.325	4582950.574	20.400	marco
2440	418576.554	4583003.570	19.860	rell	2515	418586.284	4582964.781	20.100	ct
2441	418564.545	4582998.287	19.809	rell	2516	418564.608	4582963.884	20.290	ct
2442	418565.778	4583016.024	20.002	rell	2517	418577.441	4582961.786	20.250	ct
2443	418554.789	4583006.764	19.837	rell	2518	418580.399	4582962.024	20.230	ct
2444	418540.442	4583002.236	20.503	rell	3600	418620.393	4582911.846	20.384	gas nat
2445	418526.196	4583005.461	20.776	rell	3601	418619.554	4582923.941	20.744	enagas
2446	418536.210	4582993.706	20.426	rell	3602	418618.246	4582923.173	21.194	enagas
2447	418544.996	4582980.268	20.162	rell	3603	418585.097	4582973.071	20.062	gas nat
2448	418556.821	4582964.653	20.339	ct	3604	418587.650	4582976.014	19.892	enagas
2449	418550.151	4582966.399	20.261	ct	3605	418565.063	4583017.572	20.377	enagas
2450	418542.011	4582970.609	20.104	ct	3606	418529.580	4583047.732	20.553	enagas
2451	418535.772	4582977.124	20.213	ct	3607	418541.647	4583057.781	20.436	enagas
2452	418586.417	4582964.022	20.682	alamb	3608	418538.868	4583055.313	20.701	gas nat
2453	418580.485	4582961.710	20.711	alamb					
2454	418577.494	4582961.251	20.693	alamb					
2455	418564.543	4582963.529	20.678	alamb					
2456	418555.537	4582964.361	20.653	alamb					
2457	418549.619	4582965.721	20.441	alamb					
2458	418544.120	4582968.425	20.428	alamb					

Ampliacion Taquimétrico Riera Vallvidrera

1	417307.811	4585703.642	30.091	cbici	75	417265.690	4585674.609	29.930	PT	151	417284.095	4585673.057	30.162	ARBOL	226	417254.746	4585645.445	29.080
2	417303.098	4585704.844	30.138	cbici	76	417250.162	4585670.304	29.925	CT	152	417278.667	4585674.353	30.149	ARBOL	227	417257.016	4585616.375	29.910
3	417301.595	4585703.025	30.119	cbici	77	417250.978	4585669.489	29.949	CT	153	417278.365	4585678.201	30.215	ARBOL	229	417269.306	4585588.355	29.570
4	417302.361	4585701.363	30.135	cbici	78	417251.816	4585667.279	29.944	CT	155	417282.264	4585679.421	30.119	ARBOL	230	417271.486	4585673.955	30.290
5	417296.188	4585698.373	29.500	cbici	79	417253.081	4585663.768	29.812	CT	156	417285.453	4585679.966	30.090	re	231	417278.696	4585631.895	29.900
6	417295.277	4585700.053	29.468	cbici	80	417255.591	4585658.842	29.807	CT	157	417286.529	4585675.806	30.094	re	232	417280.886	4585645.275	29.924
7	417289.114	4585697.095	28.740	cbici	81	417258.280	4585652.483	29.723	CT	158	417290.529	4585673.956	30.145	re	233	417285.526	4585607.965	29.810
8	417289.860	4585695.283	28.717	cbici	82	417255.601	4585651.925	28.711	PT	159	417294.315	4585686.005	30.148	re	235	417295.136	4585685.825	30.360
9	417283.575	4585692.416	28.058	cbici	83	417252.769	4585657.992	28.841	PT	160	417289.443	4585682.503	30.095	re	236	417297.736	4585651.545	29.970
10	417282.753	4585694.160	27.986	cbici	84	417250.136	4585663.447	28.878	PT	161	417079.876	4585604.995	24.510		237	417298.256	4585627.155	29.780
11	417277.326	4585689.820	27.327	cbici	85	417248.801	4585668.504	28.763	PT	162	417081.286	4585572.545	23.190		238	417307.946	4585701.225	30.290
12	417276.612	4585691.590	27.329	cbici	86	417245.060	4585669.935	29.789	CT	163	417081.736	4585562.305	22.840		239	417309.546	4585601.835	29.580
13	417268.744	4585687.316	26.421	cbici	87	417247.818	4585661.705	29.618	CT	164	417082.576	4585546.035	22.470		240	417318.306	4585618.365	29.410
14	417268.211	4585689.307	26.424	cbici	88	417250.620	4585654.348	29.473	CT	165	417085.316	4585529.455	22.600		241	417326.066	4585684.455	29.880
15	417260.320	4585688.286	25.556	cbici	89	417253.493	4585647.257	29.401	CT	166	417095.116	4585610.085	23.260		242	417326.866	4585710.605	30.260
16	417259.885	4585686.408	25.518	cbici	90	417252.370	4585644.777	29.920	aglomerado	167	417095.746	4585584.385	23.850		243	417336.216	4585665.195	29.830
17	417253.904	4585686.388	24.747	cbici	91	417250.978	4585644.032	29.950	lb	168	417102.706	4585598.765	24.240		244	417344.836	4585689.835	30.360
18	417253.091	4585688.337	24.747	cbici	92	417247.436	4585651.925	30.066	lb	169	417103.246	4585535.055	23.950		245	417347.226	4585642.465	29.700
19	417247.903	4585686.751	24.461	cbici	93	417248.946	4585652.472	30.005	aglomerado	170	417104.326	4585559.465	24.160		246	417352.016	4585673.265	30.290
20	417248.195	4585688.550	24.479	cbici	94	417248.936	4585652.478	30.010	aglomerado	171	417112.906	4585536.785	24.120		247	417047.447	4585700.792	22.280
21	417241.785	4585689.979	24.568	cbici	95	417245.176	4585660.950	30.126	aglomerado	172	417113.106	4585608.635	26.510		248	417051.789	4585700.259	23.120
22	417241.352	4585688.465	24.656	cbici	96	417243.740	4585660.163	30.211	lb	173	417113.156	4585615.845	24.500		249	417052.406	4585703.477	23.430
23	417237.056	4585687.860	23.708	cbici	97	417240.171	4585668.240	30.275	lb	174	417113.236	4585589.345	25.470		250	417053.922	4585677.480	22.230
24	417236.623	4585689.741	24.296	cbici	98	417241.576	4585668.753	30.251	aglomerado	175	417115.436	4585598.815	26.200		251	417057.314	4585684.606	23.280
25	417144.289	4585630.869	25.040	CAMINO	99	417254.485	4585666.978	30.075	re	176	417115.566	4585572.915	25.280		252	417057.376	4585705.476	24.900
26	417144.812	4585628.587	25.059	CAMINO	100	417259.812	4585661.912	29.891	re	177	417122.166	4585550.335	25.610		253	417057.937	4585705.639	24.910
27	417142.831	4585631.423	25.047	CT	101	417262.618	4585657.179	29.844	re	178	417126.636	4585620.245	25.660		254	417058.704	4585663.570	22.290
28	417137.099	4585630.636	24.758	CT	102	417265.173	4585652.741	29.842	re	179	417127.876	4585612.405	26.960		255	417059.911	4585686.063	23.770
29	417137.062	4585629.928	24.802	CAMINO	103	417271.372	4585653.835	29.791	sendero	180	417128.406	4585597.085	23.963		256	417060.112	4585672.977	23.020
30	417137.788	4585626.086	25.015	CAMINO	104	417270.969	4585659.380	29.879	sendero	181	417129.186	4585580.865	24.280		257	417063.105	4585649.017	22.390
31	417130.635	4585624.397	24.783	CAMINO	105	417271.264	4585664.885	29.939	sendero	182	417129.896	4585628.285	24.600		258	417063.144	4585676.514	23.740
32	417130.642	4585629.300	24.689	CAMINO	106	417272.794	4585669.866	29.859	sendero	183	417131.506	4585529.995	24.350		259	417063.614	4585686.130	24.790
33	417130.305	4585630.572	24.475	CT	107	417274.877	4585675.851	30.022	sendero	184	417139.456	4585637.205	23.890		260	417063.616	4585686.120	24.790
34	417123.280	4585627.798	24.047	CT	109	417275.061	4585678.581	30.807	sendero	185	417140.036	4585548.445	24.310		261	417064.042	4585706.980	24.880
35	417123.529	4585626.802	24.405	CAMINO	110	417282.724	4585682.223	30.073	sendero	186	417140.586	4585630.605	25.450		262	417065.463	4585707.172	24.800
36	417124.036	4585623.527	24.397	CAMINO	111	417287.101	4585684.518	30.009	sendero	187	417141.956	4585620.635	26.460		263	417065.829	4585707.290	24.800
37	417117.589	4585619.168	24.387	CAMINO	112	417290.374	4585686.514	29.997	sendero	188	417142.776	4585566.325	24.270		264	417066.176	4585634.854	22.270
38	417115.921	4585621.244	24.313	CAMINO	113	417294.149	4585689.960	30.027	sendero	189	417143.126	4585642.285	24.560		265	417066.400	4585686.921	24.710
39	417115.136	4585622.357	24.181	CT	114	417298.078	4585692.996	30.070	sendero	190	417144.716	4585627.055	24.660		266	417066.561	4585707.432	24.810
40	417109.492	4585616.668	24.068	CT	115	417302.650	4585695.928	30.105	sendero	191	417144.986	4585518.035	24.450		267	417067.088	4585657.652	23.390
41	417110.315	4585616.111	24.266	CAMINO	116	417304.109	4585697.300	30.148	sendero	192	417147.756	4585587.675	24.200		268	417068.821	4585669.278	24.710
42	417112.161	4585613.789	24.277	CAMINO	117	417304.445	4585696.860	30.137	CAMINO	193	417153.686	4585605.295	24.170		269	417069.002	4585661.209	23.650
43	417108.824	4585607.312	24.241	CAMINO	118	417304.198	4585697.250	30.143	CAMINO	194	417156.806	4585538.545	24.310		270	417069.015	4585712.353	24.770
44	417106.402	4585609.258	24.194	CAMINO	119	417302.348	4585694.231	30.080	CAMINO	195	417158.256	4585626.485	26.210		271	417069.218	4585717.009	24.680
45	417104.425	4585610.834	23.986	CT	120	417303.217	4585693.593	30.062	CAMINO	196	417161.696	4585558.585	24.370		272	417069.504	4585620.084	22.120
46	417100.122	4585607.040	23.911	CT	121	417301.319	4585687.581	30.077	CAMINO	197	417162.406	4585644.405	24.900		273	417070.211	4585643.333	23.290
47	417103.306	4585604.952	24.169	CAMINO	122	417299.036	4585687.601	30.107	CAMINO	198	417162.616	4585640.545	25.230		274	417070.286	4585688.262	24.770
48	417106.549	4585603.109	24.179	CAMINO	123	417296.406	4585681.961	30.119	CAMINO	199	417163.966	4585679.335	31.410		275	417070.531	4585607.571	22.000
49	417103.493	4585596.541	23.944	CAMINO	124	417299.016	4585680.460	30.159	CAMINO	200	417164.166	4585579.235	24.230		276	417071.034	4585670.684	24.660
50	417101.518	4585601.755	24.151	CAMINO	125	417298.280	4585675.262	30.100	CAMINO	201	417165.546	4585634.175	24.360		277	417071.218	4585688.475	24.680
51	417302.076	4585699.538	30.267	CT	126	417294.471	4585674.542	30.074	CAMINO	202	417169.396	4585685.375	31.380		278	417071.389	4585738.596	27.840
52	417302.261	4585699.351	30.205	PT	128	417297.760	4585666.775	29.962	CAMINO	203	417172.646	4585597.755	24.200		279	417071.597	4585631.513	23.190
53	417298.981	4585695.764	30.071	PT	129	417297.869	4585659.232	29.782	CAMINO	204	417174.876	4585616.445	25.110		280	417071.602	4585737.620	27.900
54	417298.371	4585696.392	30.461	CT	130	417295.500	4585658.529	29.767	CAMINO	205	417176.056	4585550.235	24.300		281	417071.933	4585706.373	24.790
55	417291.819	4585691.415	30.641	CT	131	417297.639	4585660.861	29.880	arqueta	206	417179.156	4585647.655	31.260		282	417072.278	4585737.271	27.870
56	417292.994	4585690.628	30.085	PT	132	417305.216	4585662.674	29.667	regalcant	207	417181.596	4585655.						

302	417079.014	4585614.246	24.390	379	417092.125	4585716.545	25.080	456	417103.663	4585642.590	24.700	533	417116.317	4585665.354	25.040
303	417079.115	4585606.053	24.500	380	417092.223	4585596.649	23.800	457	417103.705	4585644.182	24.290	534	417116.365	4585655.709	25.000
304	417079.196	4585761.841	25.490	381	417092.327	4585645.466	24.280	458	417103.716	4585644.795	24.640	535	417116.374	4585695.707	25.330
305	417079.288	4585616.559	23.610	382	417092.392	4585665.947	28.070	459	417103.773	4585720.917	25.430	536	417116.839	4585644.743	24.910
306	417079.302	4585620.587	23.620	383	417092.421	4585660.652	24.920	460	417103.925	4585603.514	24.290	537	417116.527	4585637.653	24.620
307	417080.017	4585709.622	24.900	384	417092.545	4585666.913	28.010	461	417104.287	4585611.219	24.200	538	417116.552	4585773.935	32.210
308	417080.361	4585628.435	24.730	385	417092.616	4585745.574	25.450	462	417105.050	4585641.273	24.880	539	417117.046	4585640.971	24.900
309	417080.584	4585722.430	25.140	386	417092.691	4585575.673	23.410	463	417105.062	4585595.983	24.030	540	417116.859	4585591.893	24.020
310	417080.771	4585655.732	24.630	387	417092.726	4585675.068	25.000	464	417105.173	4585691.064	25.070	541	417116.881	4585586.625	24.180
311	417081.076	4585615.727	24.260	388	417092.782	4585646.053	24.680	465	417105.307	4585624.507	24.380	542	417116.901	4585606.908	26.050
312	417081.650	4585620.642	24.420	389	417093.019	4585591.535	23.420	466	417105.597	4585620.059	23.260	543	417116.957	4585617.347	24.220
313	417082.868	4585654.997	24.340	390	417093.174	4585589.548	23.390	467	417105.661	4585617.749	23.290	544	417117.177	4585601.317	25.750
314	417083.188	4585671.659	24.900	391	417093.413	4585596.203	23.760	468	417105.836	4585584.663	23.950	545	417117.610	4585596.321	24.140
315	417083.368	4585614.684	24.340	392	417094.187	4585615.573	23.870	469	417105.979	4585584.327	23.950	546	417117.803	4585616.732	24.530
316	417083.382	4585655.134	23.700	393	417093.917	4585602.108	22.980	470	417106.208	4585582.663	23.970	547	417118.046	4585612.517	25.510
317	417083.878	4585655.282	23.730	394	417093.995	4585594.838	23.590	471	417106.297	4585582.749	23.970	548	417118.391	4585614.563	25.080
318	417083.217	4585647.359	24.790	395	417094.035	4585767.380	25.720	472	417106.336	4585658.804	24.880	549	417118.513	4585614.521	25.080
319	417084.388	4585666.389	25.010	396	417094.058	4585605.681	23.170	473	417106.371	4585770.972	26.240	550	417118.589	4585611.831	25.050
320	417084.581	4585683.337	24.680	397	417094.093	4585619.645	24.480	474	417106.386	4585633.548	24.880	551	417118.795	4585609.996	24.950
321	417084.604	4585743.504	25.390	398	417099.228	4585634.139	24.900	475	417106.421	4585609.041	24.240	552	417118.882	4585648.528	24.830
322	417084.729	4585655.330	24.520	399	417094.604	4585638.679	24.910	476	417106.434	4585633.544	24.880	553	417118.977	4585745.963	26.110
323	417084.769	4585609.541	24.400	400	417094.421	4585603.833	23.060	477	417106.608	4585598.164	24.200	554	417119.636	4585668.579	25.080
324	417084.928	4585648.459	24.670	401	417094.693	4585776.808	26.850	478	417107.101	4585602.062	24.210	555	417119.748	4585600.280	24.080
325	417085.054	4585615.971	24.040	402	417094.898	4585616.120	24.500	479	417107.245	4585650.471	24.890	556	417120.394	4585684.968	25.270
326	417085.123	4585605.833	24.340	403	417095.223	4585775.414	26.960	480	417107.497	4585673.926	24.990	557	417120.422	4585724.055	25.720
327	417085.242	4585626.194	24.590	404	417095.312	4585598.638	24.090	481	417107.588	4585584.690	24.310	558	417120.491	4585634.420	24.090
328	417085.729	4585621.115	24.500	405	417095.378	4585596.959	24.140	482	417107.657	4585785.465	32.030	559	417120.514	4585605.078	25.710
329	417085.769	4585757.113	25.480	406	417095.418	4585670.990	25.050	483	417107.933	4585583.063	24.330	560	417121.277	4585632.949	23.780
330	417085.934	4585662.892	25.160	407	417095.434	4585647.973	24.670	484	417108.058	4585603.077	24.270	561	417121.447	4585653.775	24.980
331	417085.957	4585579.267	22.710	408	417095.619	4585584.788	23.500	485	417108.101	4585576.470	24.000	562	417121.648	4585715.520	25.630
332	417086.112	4585609.899	23.770	409	417095.639	4585595.060	23.520	486	417108.303	4585599.202	25.340	563	417122.089	4585630.141	23.590
333	417086.166	4585674.744	24.910	410	417095.934	4585686.285	24.890	487	417108.946	4585602.028	25.240	564	417122.341	4585758.974	31.900
334	417086.168	4585648.699	23.780	411	417095.956	4585611.300	23.290	488	417109.029	4585638.269	24.920	565	417122.484	4585706.162	25.530
335	417086.476	4585648.893	23.800	412	417095.971	4585751.017	25.590	489	417109.037	4585733.850	25.570	566	417122.549	4585616.560	25.460
336	417086.653	4585764.784	25.640	413	417096.254	4585579.172	23.730	490	417109.061	4585708.547	25.300	567	417122.625	4585627.795	24.260
337	417087.106	4585649.242	24.360	414	417096.491	4585601.283	23.840	491	417109.155	4585613.976	24.320	568	417122.640	4585697.886	25.470
338	417085.113	4585643.321	24.790	415	417096.647	4585593.630	23.450	492	417109.177	4585752.543	25.810	569	417123.029	4585589.318	23.900
339	417087.322	4585607.388	23.130	416	417096.785	4585664.132	24.920	493	417109.234	4585607.180	24.210	570	417123.101	4585678.130	25.260
340	417087.352	4585601.131	22.580	417	417096.871	4585595.918	24.060	494	417109.506	4585724.141	25.540	571	417123.208	4585759.297	32.060
341	417087.539	4585645.739	24.790	418	417096.942	4585665.721	25.030	495	417110.433	4585630.212	24.570	572	417123.976	4585610.414	26.600
342	417087.680	4585574.644	22.660	419	417097.015	4585614.724	23.170	496	417111.121	4585610.480	24.280	573	417124.086	4585627.208	24.370
343	417088.202	4585700.123	24.960	420	417097.060	4585600.574	24.020	497	417111.161	4585651.948	24.920	574	417124.090	4585735.393	25.850
344	417088.367	4585646.654	24.140	421	417097.288	4585574.108	23.890	498	417111.409	4585642.928	24.880	575	417124.260	4585619.045	25.190
345	417088.444	4585603.424	22.890	422	417097.337	4585769.651	25.880	499	417111.284	4585605.826	26.030	576	417124.424	4585608.729	26.410
346	417093.317	4585626.409	24.600	423	417097.419	4585644.485	24.750	500	417111.294	4585665.929	24.930	577	417124.606	4585644.099	25.000
347	417095.174	4585629.905	24.700	424	417097.463	4585642.999	24.340	501	417111.348	4585587.792	25.120	578	417124.845	4585675.328	25.230
348	417088.653	4585660.600	25.040	425	417097.472	4585643.760	24.330	502	417111.372	4585610.244	24.280	579	417125.090	4585662.154	25.020
349	417088.695	4585669.918	28.200	426	417097.572	4585783.284	26.470	503	417111.511	4585619.655	24.230	580	417125.175	4585617.002	24.960
350	417088.747	4585647.134	24.170	427	417097.577	4585642.281	24.760	504	417111.765	4585652.824	24.920	581	417125.205	4585605.945	24.110
351	417089.060	4585647.729	24.450	428	417097.590	4585590.269	23.400	505	417112.169	4585651.976	24.950	582	417125.583	4585623.502	24.420
352	417089.355	4585670.916	28.350	429	417097.819	4585608.163	23.330	506	417112.364	4585785.970	32.340	583	417125.703	4585623.080	24.420
353	417089.561	4585583.708	23.160	430	417097.926	4585586.863	23.380	507	417113.239	4585599.394	25.640	584	417126.152	4585640.508	24.490
354	417089.602	4585667.309	28.090	431	417098.012	4585757.423	25.660	508	417113.367	4585757.122	25.980	585	417126.540	4585715.528	25.590
355	417089.905	4585668.513	28.300	432	417098.279	4585586.058	23.440	509	417113.501	4585601.779	25.200	586	417126.789	4585593.307	23.950
356	417089.989	4585613.589	23.910	433	417098.353	4585591.525	23.870	510	417113.624	4585595.692	25.830	587	417126.829	4585615.575	25.090
357	417090.011	4585764.959	25.610	434	417098.722	4585587.508	23.540	511	417113.671	4585610.357	25.680	588	417126.868	4585637.687	24.180
358	417090.194	4585667.565	28.280	435	417098.892	4585705.590	25.180	512	417113.675	4585601.322	25.200	589	417127.541	4585668.681	25.170
359	417090.537	4585599.111	22.870	436	417098.932	4585656.866	24.800	513	417113.683	4585647.542	24.810	590	417128.256	4585648.801	25.000
360	417089.086	4585639.983	24.870	437	417098.957	4585609.357	23.360	514	417113.854	4585773.190	31.890	591	417128.548	4585607.719	24.040
361	417090.629	4585654.290	24.760	438	417099.442	4585605.566	24.150	515	417113.885	4585647.053	24.450	593	417128.817	4585685.715	25.360
362	417090.787	4585675.992	25.080	439	417099.5										

611	417131.588	4585666.019	25.160	688	417142.851	4585630.621	25.170	766	417159.487	4585640.808	24.490	844	417174.311	4585642.185	25.650
612	417131.795	4585703.303	25.530	689	417143.166	4585636.221	23.850	767	417159.559	4585686.841	31.350	845	417174.334	4585649.380	28.680
613	417131.845	4585650.291	25.060	690	417143.385	4585642.396	24.520	768	417159.877	4585686.798	31.350	846	417173.679	4585804.673	33.650
614	417131.883	4585661.329	26.460	691	417143.418	4585657.675	24.810	769	417160.376	4585623.609	26.600	847	417174.399	4585656.677	31.110
615	417132.024	4585655.898	25.140	692	417143.515	4585640.097	24.580	770	417160.419	4585682.970	31.200	848	417174.408	4585649.797	24.580
616	417132.596	4585622.723	25.160	693	417143.601	4585661.561	25.000	771	417160.445	4585664.090	25.370	849	417174.428	4585626.416	25.300
617	417132.598	4585616.043	26.510	694	417143.606	4585624.619	24.540	772	417160.715	4585627.331	25.630	850	417174.545	4585649.514	24.580
618	417132.940	4585647.410	25.000	695	417143.656	4585640.820	24.520	773	417160.752	4585623.998	26.660	851	417174.557	4585656.729	31.110
619	417132.992	4585658.051	26.320	696	417143.820	4585634.946	23.980	774	417160.960	4585663.536	25.450	852	417174.576	4585649.496	24.580
620	417133.120	4585647.263	25.000	697	417143.830	4585715.046	31.320	775	417162.027	4585651.194	24.550	853	417174.818	4585811.559	33.650
621	417133.189	4585646.945	25.120	698	417144.429	4585633.660	24.650	776	417161.709	4585642.655	24.560	854	417174.855	4585632.000	25.600
622	417133.287	4585665.702	26.600	699	417144.468	4585647.691	24.450	777	417162.521	4585659.957	25.630	855	417175.170	4585820.671	32.410
623	417133.354	4585670.544	25.210	700	417144.520	4585663.962	25.100	778	417162.544	4585659.363	25.050	856	417175.500	4585820.766	32.410
624	417133.514	4585632.422	24.340	701	417144.576	4585610.846	24.030	779	417162.686	4585655.435	24.430	857	417175.883	4585820.797	32.410
625	417133.750	4585667.817	25.210	702	417144.808	4585651.337	24.760	780	417162.738	4585656.409	24.500	858	417176.790	4585806.122	33.520
626	417134.211	4585622.284	24.680	703	417144.920	4585716.048	31.490	781	417162.758	4585638.449	24.700	859	417176.848	4585807.016	33.540
627	417134.457	4585710.713	25.490	704	417145.100	4585657.541	24.840	782	417163.258	4585630.676	25.400	860	417177.192	4585805.636	33.470
628	417134.649	4585614.829	26.560	705	417145.128	4585654.725	24.740	783	417163.464	4585623.730	25.570	861	417177.273	4585807.608	33.630
629	417134.782	4585625.928	24.930	706	417145.236	4585682.544	25.020	784	417163.788	4585644.278	24.560	862	417177.291	4585807.259	33.670
630	417135.083	4585637.761	24.630	707	417145.845	4585650.588	24.550	785	417164.002	4585656.523	25.640	863	417177.379	4585821.373	32.560
631	417135.126	4585629.843	24.580	708	417146.644	4585675.036	25.250	786	417164.003	4585656.547	25.640	864	417177.415	4585806.520	33.400
632	417135.251	4585655.034	25.000	709	417146.858	4585633.919	24.900	787	417164.186	4585648.820	24.410	865	417177.434	4585627.445	26.030
633	417135.524	4585635.476	23.460	710	417147.078	4585684.739	25.570	788	417164.478	4585656.804	25.660	866	417178.450	4585805.255	32.270
634	417135.548	4585620.619	24.780	711	417147.445	4585662.339	25.160	789	417164.884	4585633.348	24.050	867	417178.957	4585808.201	32.270
635	417135.603	4585634.804	24.020	712	417147.820	4585604.195	24.020	790	417165.308	4585647.623	23.980	868	417179.259	4585808.304	32.270
636	417135.923	4585671.163	25.160	713	417148.132	4585619.018	23.930	791	417165.328	4585627.147	25.940	869	417179.371	4585644.237	30.910
637	417135.955	4585636.803	23.680	714	417148.371	4585663.473	25.120	792	417165.691	4585641.358	24.930	870	417180.061	4585644.649	31.010
638	417136.069	4585730.735	31.480	715	417148.635	4585623.665	26.230	793	417165.720	4585646.666	23.910	871	417180.104	4585806.082	32.360
639	417136.078	4585611.790	24.070	716	417148.911	4585630.961	25.110	794	417165.900	4585634.519	24.130	872	417180.187	4585644.724	31.010
640	417136.118	4585637.742	24.580	717	417148.926	4585623.103	26.220	795	417166.276	4585645.757	24.530	873	417181.080	4585785.229	33.140
641	417136.534	4585630.082	24.820	718	417148.981	4585646.667	24.550	796	417166.583	4585670.126	31.080	874	417181.734	4585806.537	32.330
642	417136.580	4585662.140	26.230	719	417149.352	4585647.215	24.540	797	417167.194	4585626.568	25.460	875	417182.546	4585794.332	32.040
643	417136.630	4585680.134	25.340	720	417149.425	4585659.897	25.010	798	417167.489	4585635.037	24.630	876	417183.567	4585794.839	32.210
644	417136.645	4585667.743	25.250	721	417149.582	4585636.191	24.650	799	417167.718	4585670.624	31.130	877	417184.353	4585786.505	32.980
645	417136.849	4585635.976	23.630	722	417149.617	4585633.930	25.070	800	417167.866	4585645.973	24.650	878	417184.887	4585786.591	32.980
646	417136.882	4585700.173	25.480	723	417149.676	4585630.157	24.600	801	417167.883	4585670.684	31.130	879	417185.259	4585795.208	32.140
647	417136.944	4585712.183	26.090	724	417149.842	4585675.703	25.230	802	417168.321	4585654.306	24.740	880	417185.032	4585819.039	32.430
648	417137.111	4585598.441	24.010	725	417150.056	4585609.988	24.040	803	417168.338	4585646.231	24.680	881	417186.983	4585819.568	32.310
649	417137.223	4585666.648	26.050	726	417151.633	4585650.815	24.650	804	417168.349	4585646.226	24.680	882	417186.699	4585770.492	32.780
650	417137.276	4585730.525	31.660	727	417150.397	4585641.147	24.330	805	417168.400	4585646.240	24.680	883	417187.782	4585819.663	32.320
651	417137.347	4585625.469	25.110	728	417150.481	4585628.008	24.810	806	417168.584	4585637.842	24.830	884	417188.210	4585779.363	31.780
652	417137.851	4585637.535	23.840	730	417150.582	4585620.070	24.100	807	417168.716	4585658.904	28.270	885	417188.590	4585779.572	31.930
653	417138.169	4585669.461	25.160	731	417150.584	4585613.793	23.953	808	417168.843	4585646.486	25.660	886	417189.434	4585820.020	32.080
654	417138.343	4585651.948	24.850	732	417150.611	4585655.340	24.830	809	417168.982	4585646.237	25.660	887	417189.312	4585804.939	32.160
655	417138.356	4585607.974	24.030	733	417150.938	4585639.968	23.900	810	417169.355	4585627.649	24.180	888	417189.978	4585771.746	32.620
656	417138.754	4585632.926	24.890	734	417151.153	4585656.579	24.880	811	417169.654	4585640.059	24.820	889	417190.252	4585780.018	31.900
657	417139.022	4585667.135	25.290	735	417151.179	4585638.500	23.920	812	417169.718	4585644.754	25.630	890	417190.498	4585771.946	32.490
658	417139.224	4585702.325	25.780	736	417151.422	4585657.961	25.260	813	417169.758	4585659.407	29.300	891	417191.136	4585805.321	32.090
659	417139.229	4585635.223	23.610	737	417151.650	4585700.109	31.150	814	417169.763	4585659.418	29.300	892	417191.797	4585805.570	32.120
660	417139.581	4585635.342	23.610	738	417152.850	4585700.679	31.400	815	417169.956	4585651.397	24.450	893	417192.300	4585755.753	32.420
661	417139.668	4585659.231	24.780	739	417153.121	4585654.622	24.570	816	417169.236	4585816.597	33.960	894	417193.459	4585765.660	31.640
662	417139.714	4585604.091	23.980	740	417153.489	4585663.573	25.300	817	417170.184	4585642.173	24.740	895	417193.509	4585806.764	31.800
663	417139.762	4585641.667	24.570	741	417153.646	4585634.500	25.130	818	417170.192	4585653.172	24.850	896	417193.792	4585765.806	31.640
664	417139.843	4585653.690	24.930	742	417153.926	4585674.215	25.600	819	417170.724	4585632.517	25.220	897	417194.933	4585766.149	31.660
665	417139.921	4585636.300	23.630	743	417153.995	4585646.951	24.430	820	417171.014	4585628.493	24.230	898	417195.006	4585787.107	31.800
666	417140.016	4585653.427	24.930	744	417154.159	4585621.195	24.160	821	417171.164	4585648.911	24.340	899	417195.562	4585757.069	32.240
667	417140.218	4585641.099	24.440	745	417154.406	4585626.963	26.370	822	417171.374	4585648.241	24.660	900	417196.124	4585757.248	32.160
668	417140.381	4585658.635	24.830	746	417154.447	4585626.178	26.260	823	417171.406	4585641.608	25.650	901	417196.658	4585787.704	31.740
669	417140.450	4585637.142	23.760	747	417154.452	4585633.891	24.810	824	417171.522	4585647.913	25.660	902	417196.662	4585787.737	31.740
670	417140.497	4585646.779	24.500	748	417154.554	4585656.947	25.120	825	417171.535	4585647.603	25.680	903	417197.297	4585787.837	31.780
671	417140.725	4585653.570	24.870	749	417155.7										

921	417207.293	4585758.343	31.350	998	417230.034	4585695.425	30.580	1079	417255.584	4585709.075	26.830	1169	417229.426	4585620.045	31.530	061133
922	417207.671	4585725.647	31.640	999	417230.215	4585696.870	30.540	1080	417256.016	4585717.468	30.150	1170	417241.836	4585589.595	31.390	061133
923	417208.238	4585725.846	31.540	1000	417230.567	4585667.073	30.880	1081	417256.929	4585708.384	26.650	1171	417250.026	4585569.565	31.410	061133
924	417208.997	4585758.925	31.210	1001	417231.007	4585691.797	30.570	1082	417258.159	4585715.817	30.150	1172	417206.302	4585719.936	31.806	060118
925	417209.491	4585746.364	31.180	1002	417231.065	4585667.379	30.750	1083	417259.461	4585700.895	25.110	1174	417240.134	4585635.979	30.710	060118
926	417210.091	4585746.643	31.170	1003	417231.394	4585693.117	30.360	1084	417260.393	4585705.248	25.360	1175	417253.868	4585600.992	30.640	060118
927	417210.109	4585722.476	31.040	1004	417231.829	4585691.676	30.410	1085	417260.474	4585679.461	29.090	1176	417262.037	4585581.913	30.570	060118
928	417210.270	4585749.645	31.680	1005	417231.840	4585666.774	30.310	1086	417260.581	4585714.205	30.100	1177	417264.697	4585575.569	30.560	060118
929	417210.387	4585722.561	31.040	1006	417231.848	4585691.676	30.410	1087	417260.740	4585701.192	25.130	1178	417210.477	4585721.315	31.170	060126
930	417210.784	4585722.734	31.110	1007	417232.099	4585666.873	30.310	1088	417260.853	4585677.026	29.980	1179	417221.796	4585692.235	30.800	060126
931	417210.384	4585709.772	31.580	1008	417232.317	4585731.008	30.510	1089	417262.278	4585665.516	30.020	1180	417232.266	4585666.195	30.480	060126
932	417212.228	4585744.752	31.660	1009	417232.350	4585691.790	24.900	1090	417262.794	4585694.965	24.530	1181	417246.976	4585631.925	30.020	060126
933	417212.256	4585741.955	31.030	1010	417232.405	4585730.196	30.350	1091	417263.037	4585713.597	29.990	1182	417263.006	4585596.295	29.530	060126
934	417212.363	4585750.079	31.550	1011	417232.704	4585716.793	30.520	1092	417265.602	4585708.998	25.460	1183	417270.875	4585579.194	29.318	060126
935	417212.909	4585742.682	31.770	1012	417233.027	4585667.187	30.400	1093	417266.694	4585715.271	29.900	1184	417210.098	4585721.174	32.334	061133
936	417213.439	4585710.743	31.410	1013	417233.920	4585685.923	30.520	1094	417270.569	4585685.230	29.050	1185	417223.646	4585686.295	31.740	061133
937	417214.012	4585710.945	31.300	1014	417233.644	4585651.648	30.900	1095	417271.773	4585683.431	29.940	1186	417243.256	4585637.265	31.240	061133
938	417214.413	4585745.500	31.590	1015	417234.721	4585704.689	30.460	1096	417272.438	4585713.138	25.610	1187	417257.426	4585602.395	31.170	061133
939	417215.637	4585708.110	30.890	1016	417234.758	4585686.849	24.900	1097	417273.153	4585720.196	29.840	1188	417265.346	4585583.325	31.100	061133
940	417215.857	4585708.202	30.890	1017	417235.085	4585679.774	30.500	1098	417273.953	4585706.578	25.180	1189	417267.876	4585576.865	31.090	061133
941	417215.789	4585728.804	30.960	1018	417235.504	4585687.280	24.890	1099	417274.893	4585674.318	30.170	1190	417209.531	4585720.964	31.805	060124
942	417216.236	4585708.333	30.970	1019	417235.773	4585678.219	30.480	1100	417280.965	4585724.778	29.830	1191	417223.246	4585686.125	31.210	060124
943	417216.674	4585693.975	31.380	1020	417235.993	4585719.870	30.340	1101	417281.190	4585691.003	29.010	1192	417242.796	4585637.075	30.710	060124
944	417217.789	4585729.725	30.980	1021	417236.274	4585652.987	30.730	1102	417282.030	4585710.233	25.220	1193	417256.906	4585602.145	30.640	060124
945	417217.908	4585728.872	30.940	1022	417236.559	4585680.521	30.430	1103	417282.317	4585689.388	29.860	1194	417264.726	4585583.035	30.570	060124
946	417217.990	4585739.060	30.990	1023	417236.786	4585653.229	30.610	1104	417283.651	4585706.638	24.650	1195	417267.376	4585576.655	30.560	060124
947	417218.149	4585736.286	30.990	1024	417236.968	4585698.005	26.090	1105	417286.377	4585720.523	25.390	1196	417211.242	4585721.599	31.031	060118
948	417218.418	4585730.455	30.980	1025	417237.065	4585682.990	24.500	1106	417287.784	4585681.799	30.170	1197	417211.646	4585720.525	31.010	060118
949	417218.602	4585696.914	31.300	1026	417237.153	4585679.162	30.430	1107	417288.678	4585716.094	25.390	1198	417219.066	4585701.105	30.720	060118
950	417218.856	4585726.399	30.890	1027	417237.292	4585698.404	26.050	1108	417288.772	4585713.299	25.330	1199	417224.006	4585688.555	30.600	060118
951	417219.263	4585730.345	30.960	1028	417237.300	4585698.398	26.050	1109	417290.401	4585709.636	24.870	1200	417228.826	4585677.055	30.540	060118
952	417219.494	4585695.216	31.270	1029	417237.445	4585698.306	26.050	1110	417291.488	4585697.279	29.280	1201	417233.130	4585666.657	30.480	060118
953	417219.578	4585725.468	30.910	1030	417237.632	4585652.531	30.140	1111	417292.827	4585695.823	30.040	1202	417241.015	4585648.877	30.250	060118
954	417220.039	4585695.401	31.140	1031	417237.672	4585683.361	24.490	1112	417295.838	4585697.613	30.070	1203	417248.391	4585632.559	30.020	060118
955	417220.566	4585724.991	30.850	1032	417237.860	4585681.638	30.390	1113	417299.017	4585687.342	30.140	1204	417256.506	4585614.805	29.780	060118
956	417220.917	4585736.724	30.940	1033	417237.861	4585681.642	30.390	1127	417280.571	4585582.792	29.334	1205	417264.476	4585597.025	29.530	060118
957	417221.045	4585694.237	30.760	1034	417237.883	4585652.658	30.140	1128	417265.396	4585616.275	29.770	1206	417271.986	4585580.455	29.350	060118
958	417221.268	4585694.329	30.760	1035	417238.026	4585681.361	30.390	1129	417255.718	4585633.560	29.850	1207	417272.313	4585579.728	29.340	060118
959	417221.278	4585714.085	30.840	1036	417238.067	4585681.053	30.390	1130	417263.888	4585615.474	29.780	1208	417154.601	4585700.584	31.390	060118
960	417221.616	4585694.497	30.810	1037	417238.600	4585681.770	24.430	1131	417272.411	4585596.560	29.540	1209	417157.906	4585694.015	31.400	060118
961	417221.694	4585728.985	30.880	1038	417239.095	4585653.245	30.220	1132	417278.955	4585582.066	29.355	1210	417164.896	4585679.695	31.370	060118
962	417222.314	4585679.875	31.200	1039	417239.706	4585689.834	25.000	1133	417172.229	4585707.517	31.756	1211	417175.024	4585658.777	31.320	060118
963	417223.239	4585714.844	30.810	1040	417240.152	4585708.681	30.290	1134	417173.498	4585704.285	31.700	1212	417181.083	4585645.950	31.250	060118
964	417223.341	4585716.182	30.800	1042	417242.216	4585674.020	29.940	1135	417188.784	4585665.718	31.110	1213	417187.386	4585632.052	31.110	060118
965	417223.895	4585716.899	30.830	1043	417243.338	4585703.317	25.950	1136	417204.362	4585626.836	30.690	1214	417193.480	4585617.741	31.070	060118
966	417223.924	4585713.298	30.820	1045	417243.603	4585692.787	25.200	1137	417222.714	4585582.024	30.500	1215	417201.265	4585599.071	30.900	060118
967	417224.241	4585734.518	30.770	1046	417243.892	4585684.318	24.430	1138	417231.237	4585561.489	30.440	1216	417208.621	4585581.135	30.830	060118
968	417224.277	4585712.558	30.780	1047	417243.916	4585681.830	24.910	1139	417185.789	4585712.155	31.991	1217	417216.128	4585563.107	30.720	060118
969	417224.800	4585712.579	30.780	1048	417243.922	4585682.047	24.910	1140	417201.570	4585672.298	31.370	1218	417217.709	4585559.431	30.701	060118
970	417225.100	4585680.970	31.050	1049	417245.280	4585670.774	29.850	1141	417225.443	4585613.686	30.890	1219	417153.259	4585700.086	31.389	060126
971	417225.287	4585731.722	30.710	1051	417246.856	4585681.911	25.150	1142	417244.486	4585567.130	30.900	1220	417156.466	4585693.655	31.400	060126
972	417225.336	4585725.808	30.780	1052	417246.858	4585681.904	25.150	1143	417245.086	4585567.545	30.900	1221	417163.656	4585679.165	31.370	060126
973	417225.363	4585727.276	30.800	1053	417246.876	4585695.611	25.430	1144	417226.076	4585613.975	30.890	1222	417173.756	4585658.195	31.320	060126
974	417225.634	4585681.113	30.930	1054	417247.062	4585661.717	29.850	1145	417202.436	4585672.665	31.370	1223	417179.896	4585645.355	31.250	060126
975	417225.810	4585726.447	30.740	1056	417247.535	4585671.225	28.800	1146	417186.728	4585712.503	31.990	1224	417187.696	4585628.555	31.070	060126
976	417225.829	4585713.260	30.800	1057	417248.221	4585671.441	28.780	1147	417186.960	4585712.589	32.760	1225	417192.246	4585617.125	31.070	060126
977	417226.385	4585680.636	30.650	1058	417248.799	4585691.617	24.910									

1247	417195.296	4585631.595	31.130	060118
1248	417188.106	4585649.395	31.200	060118
1249	417183.606	4585660.475	31.180	060118
1250	417179.956	4585669.965	31.160	060118
1251	417175.456	4585681.875	31.190	060118
1252	417169.126	4585698.995	31.500	060118
1253	417166.889	4585705.143	31.645	060118
1254	417224.915	4585562.142	30.758	060126
1255	417218.936	4585576.715	30.830	060126
1256	417203.846	4585614.545	31.040	060126
1257	417189.546	4585649.995	31.150	060126
1258	417178.016	4585678.705	31.160	060126
1259	417171.936	4585695.175	31.550	060126
1260	417174.721	4585646.476	27.000	re

Ampliacion Taquimétrico Ramal 3 Actuación D Molins de Rey

					40	417898.509	4584124.495	22.128	losa	111	417887.961	4584200.226	22.238	CAMINO	185	417886.136	4584096.215	25.098	alambrada
1	417813.146	4584301.119	23.537	PT	41	417831.730	4584258.344	23.105	CAMINO	112	417883.842	4584201.910	22.191	CAMINO	186	417885.442	4584095.853	25.455	CT
2	417814.320	4584301.210	23.404	CAMINO	41	417854.352	4584219.312	23.294	registro	113	417884.725	4584203.148	22.285	alambrada	187	417883.139	4584100.424	25.470	CT
2	417749.907	4584498.786	23.617	pozo	42	417827.910	4584257.519	23.337	PT	114	417883.791	4584203.484	22.266	alambrada	188	417883.913	4584100.873	25.089	alambrada
3	417720.767	4584574.678	24.970	pozo	43	417831.350	4584250.693	23.227	PT	115	417884.280	4584203.258	22.260	puerta	189	417881.019	4584107.183	25.382	alambrada
3	417816.625	4584301.551	23.351	CAMINO	43	417998.243	4584124.288	22.954	registro	116	417883.014	4584202.568	22.248	CAMINO	190	417880.550	4584107.139	25.433	CT
4	417817.181	4584303.526	23.280	CAMINO	44	417832.998	4584250.828	23.172	CAMINO	117	417880.049	4584203.612	22.270	CAMINO	191	417878.354	4584111.924	25.389	CT
5	417818.253	4584305.458	23.199	CAMINO	44	417847.389	4584238.051	22.922	mojon	118	417876.863	4584204.486	22.245	CAMINO	192	417878.656	4584112.891	25.381	alambrada
6	417704.962	4584640.852	26.177	pozo	45	417835.064	4584250.497	23.145	CAMINO	119	417875.253	4584204.745	22.266	CAMINO	193	417874.092	4584124.053	25.509	alambrada
6	417820.477	4584307.226	23.151	CAMINO	46	417836.620	4584249.882	23.272	cañas	120	417877.355	4584206.138	22.284	alambrada	194	417873.666	4584123.918	25.596	CT
7	417824.832	4584308.880	23.365	CAMINO	47	417834.024	4584241.882	23.068	PT	121	417875.463	4584204.800	22.360	CAMINO	195	417869.879	4584133.163	25.629	CT
7	417925.012	4584106.331	23.000	pozo	48	417837.610	4584233.786	23.367	PT	122	417873.884	4584204.533	22.330	CAMINO	196	417870.690	4584132.707	25.633	alambrada
8	417827.467	4584309.590	23.519	CAMINO	49	417839.692	4584233.862	23.082	CAMINO	123	417872.039	4584203.460	21.976	CAMINO	197	417868.428	4584138.006	25.708	alambrada
8	417925.744	4584106.528	22.748	pozo	50	417841.161	4584234.719	23.038	CAMINO	124	417871.033	4584202.758	22.011	CAMINO	198	417868.137	4584137.869	25.727	CT
9	417830.728	4584310.334	23.635	CAMINO	51	417842.734	4584236.584	23.259	cañas	125	417870.915	4584200.951	22.018	CAMINO	199	417865.907	4584143.326	25.810	CT
9	417925.190	4584105.328	22.696	pozo	52	417847.288	4584223.893	23.240	cañas	126	417871.584	4584198.661	21.999	CAMINO	200	417866.261	4584143.417	25.780	alambrada
10	417832.416	4584310.498	23.702	CAMINO	53	417846.373	4584223.553	23.083	CAMINO	127	417873.083	4584193.923	22.004	CAMINO	201	417863.402	4584150.534	25.667	alambrada
10	417923.753	4584106.194	22.800	pozo	54	417845.045	4584222.618	23.066	CAMINO	128	417873.953	4584189.737	22.007	CAMINO	202	417862.371	4584152.713	25.705	CT
11	417924.089	4584107.142	22.791	pozo	55	417842.093	4584221.671	23.278	PT	129	417873.658	4584185.680	22.059	CAMINO	203	417861.025	4584155.917	25.677	CT
11	417831.713	4584314.232	23.687	CAMINO	56	417848.074	4584204.446	23.461	PT	130	417871.978	4584182.342	22.150	CAMINO	204	417859.663	4584158.841	25.210	CT
12	417829.442	4584312.177	23.679	CAMINO	57	417848.071	4584204.372	23.436	PT	131	417870.099	4584179.523	22.469	CAMINO	205	417858.826	4584161.983	25.651	CT
13	417941.309	4584093.717	22.012	gas	58	417849.779	4584205.053	23.182	CAMINO	132	417867.939	4584177.373	22.804	CAMINO	206	417857.240	4584165.852	25.757	CT
13	417826.712	4584311.148	23.504	CAMINO	59	417852.780	4584205.477	23.010	CAMINO	133	417866.565	4584175.919	23.054	CAMINO	207	417863.432	4584153.405	25.046	alambrada
14	417822.443	4584310.137	23.315	CAMINO	60	417853.943	4584206.042	23.190	cañas	134	417865.065	4584174.295	22.804	CAMINO	208	417863.831	4584156.522	24.017	alambrada
14	417910.616	4584054.810	22.743	arq	61	417858.894	4584191.962	23.108	cañas	135	417859.588	4584154.125	25.856	aglomerado	209	417863.077	4584158.185	23.908	alambrada
15	417819.766	4584308.905	23.212	CAMINO	62	417858.079	4584191.560	23.050	CAMINO	136	417857.412	4584153.306	25.902	lb	210	417862.241	4584160.591	23.972	alambrada
15	417911.206	4584053.437	22.748	arq	63	417856.177	4584190.598	23.041	CAMINO	137	417865.814	4584132.211	25.715	lb	211	417861.336	4584162.065	24.579	alambrada
16	417910.204	4584053.048	22.869	arq	64	417853.542	4584189.810	23.082	PT	138	417867.950	4584132.780	25.655	aglomerado	212	417857.869	4584166.204	25.482	alambrada
16	417816.862	4584306.194	23.295	CAMINO	65	417858.248	4584177.489	22.918	PT	139	417875.031	4584115.179	25.555	aglomerado	213	417855.267	4584171.103	25.357	alambrada
17	417909.600	4584054.067	22.963	arq	66	417860.938	4584178.837	22.878	CAMINO	140	417872.887	4584114.553	25.615	lb	214	417854.638	4584171.763	25.830	CT
17	417815.478	4584303.486	23.318	CAMINO	67	417862.415	4584179.582	22.903	CAMINO	141	417879.441	4584098.170	25.534	lb	215	417851.948	4584178.081	25.886	CT
18	417877.601	4584126.406	23.092	arq	68	417863.367	4584179.629	23.077	CAMINO	142	417881.685	4584098.812	25.483	aglomerado	216	417851.923	4584179.438	25.845	alambrada
18	417815.071	4584301.777	23.353	CAMINO	69	417865.570	4584179.894	23.021	CAMINO	143	417888.058	4584083.230	25.407	aglomerado	217	417849.456	4584185.292	26.041	alambrada
19	417878.723	4584126.848	23.150	arq	70	417867.628	4584180.864	22.788	CAMINO	144	417885.753	4584082.457	25.480	lb	218	417849.272	4584185.217	26.021	CT
19	417815.999	4584293.349	23.672	PT	71	417870.049	4584183.235	22.215	CAMINO	145	417894.645	4584060.621	25.438	lb	219	417845.998	4584193.412	26.064	CT
20	417878.402	4584128.005	23.055	arq	72	417870.721	4584184.561	22.061	CAMINO	146	417897.017	4584061.402	25.355	aglomerado	220	417845.146	4584196.952	26.001	alambrada
20	417816.404	4584293.425	23.417	CAMINO	73	417871.498	4584189.536	22.176	CAMINO	147	417902.696	4584047.923	25.365	aglomerado	221	417841.896	4584205.224	26.029	alambrada
21	417818.448	4584293.610	23.452	CAMINO	74	417872.104	4584193.405	22.041	CAMINO	148	417900.278	4584047.104	25.465	lb	222	417841.584	4584205.253	26.108	CT
21	417877.218	4584127.457	23.057	arq	75	417871.300	4584196.391	22.012	CAMINO	149	417906.642	4584032.120	25.464	lb	223	417837.476	4584216.003	26.465	CT
22	417820.550	4584294.167	23.818	cañas	76	417870.018	4584199.750	21.917	CAMINO	150	417909.042	4584032.999	25.371	aglomerado	224	417837.618	4584216.665	26.411	alambrada
23	417819.029	4584297.884	23.660	cañas	77	417870.210	4584202.203	22.019	CAMINO	151	417916.199	4584016.553	25.382	aglomerado	225	417834.753	4584225.657	26.309	alambrada
23	417726.148	4584571.404	24.511	pozo	78	417871.046	4584203.576	21.980	CAMINO	152	417913.897	4584015.551	25.489	lb	226	417834.203	4584225.749	26.440	CT
24	417819.055	4584300.240	23.477	cañas	79	417873.657	4584205.068	22.360	CAMINO	153	417921.282	4583999.027	25.521	lb	227	417832.194	4584230.189	26.575	CT
25	417879.274	4584149.806	22.585	regap	80	417875.841	4584205.110	22.217	CAMINO	154	417923.462	4584000.005	25.421	aglomerado	228	417832.780	4584230.843	26.533	alambrada
25	417821.023	4584301.988	23.286	cañas	81	417880.535	4584203.911	22.237	CAMINO	155	417931.228	4583983.292	25.472	aglomerado	229	417828.975	4584239.030	26.504	alambrada
26	417880.254	4584150.036	22.486	regap	82	417883.963	4584202.659	22.216	CAMINO	156	417928.891	4583982.357	25.550	lb	230	417828.215	4584240.043	26.471	CT
26	417823.276	4584302.604	23.074	cañas	83	417887.346	4584201.032	22.237	CAMINO	157	417936.486	4583966.188	25.586	lb	231	417824.112	4584250.671	26.489	CT
27	417824.636	4584284.524	23.507	cañas	84	417891.345	4584199.545	22.268	CAMINO	158	417938.697	4583967.349	25.531	aglomerado	232	417824.633	4584250.076	26.474	alambrada
27	417880.802	4584148.776	22.486	regap	85	417893.879	4584198.624	22.178	CAMINO	159	417946.682	4583950.973	25.543	aglomerado	233	417820.529	4584260.972	26.341	alambrada
28	417879.809	4584148.320	22.633	regap	86	417895.514	4584198.596	22.162	CAMINO	160	417944.403	4583949.911	25.599	lb	234	417819.773	4584262.154	26.456	CT
28	417823.359	4584283.896	23.354	CAMINO	87	417901.050	4584201.440	22.249	CAMINO	161	417952.558	4583933.799	25.596	lb	235	417819.623	4584262.961	26.494	CT
29	417821.817	4584283.092	23.362	CAMINO	88	417905.774	4584204.816	22.140	CAMINO	162	417954.616	4583934.787	25.539	aglomerado	236	417817.395	4584268.102	26.568	CT
29	417880.017	4584149.407	23.035	regap	89	417909.623	4584208.267	22.502	CAMINO	163	417962.406	4583919.680	25.538	aglomerado	237	417817.518	4584269.356	26.346	alambrada
30	417892.830	4584127.381	22.425	canal	90	417915.296	4584212.007	23.513	CAMINO	164	41								

259	417781.600	4584370.177	26.510	CT	336	417728.272	4584531.129	25.892	CT	413	417876.747	4584127.228	23.119	arq	488	417880.802	4584148.776	22.486	regap
260	417778.314	4584379.731	26.457	CT	337	417724.901	4584539.235	26.286	CT	414	417875.425	4584130.988	23.181	PT	489	417879.809	4584148.320	22.633	regap
261	417778.205	4584381.757	26.123	alambrada	338	417723.093	4584545.614	26.408	CT	415	417877.331	4584125.589	23.249	PT	490	417880.017	4584149.407	23.035	regap
262	417774.422	4584393.333	26.033	alambrada	339	417722.071	4584549.326	26.483	CT	416	417880.116	4584118.628	23.345	PT	491	417878.990	4584146.235	22.684	re
263	417773.539	4584392.944	26.340	CT	340	417720.777	4584546.960	26.620	aglomerado	417	417881.799	4584118.979	23.027	re	492	417881.216	4584142.049	22.561	re
264	417769.305	4584405.113	26.197	CT	341	417718.239	4584546.047	26.686	lb	418	417888.600	4584107.291	22.779	re	493	417883.741	4584134.620	22.575	re
265	417770.348	4584404.638	26.070	alambrada	342	417722.872	4584530.458	26.488	lb	419	417886.840	4584106.175	22.977	PT	494	417886.905	4584128.291	22.449	re
266	417770.313	4584404.651	26.078	alambrada	343	417725.568	4584530.901	26.328	aglomerado	420	417891.854	4584095.336	22.732	PT	495	417891.706	4584122.159	22.638	re
267	417767.331	4584413.000	25.958	alambrada	344	417729.681	4584517.699	26.079	aglomerado	421	417893.183	4584096.539	23.252	re	496	417891.334	4584124.077	22.564	regap
268	417766.639	4584412.834	26.104	CT	345	417727.070	4584516.922	26.177	lb	422	417890.550	4584104.096	22.722	re	497	417892.792	4584124.272	22.420	regap
269	417764.504	4584419.994	26.069	CT	346	417731.623	4584502.549	25.945	lb	423	417897.398	4584091.063	22.779	re	498	417892.340	4584128.093	22.415	regap
270	417765.409	4584419.343	25.982	alambrada	347	417734.173	4584503.340	25.866	aglomerado	424	417894.080	4584089.338	22.874	PT	499	417890.859	4584128.006	22.423	regap
271	417764.006	4584424.786	25.599	alambrada	348	417737.997	4584491.914	25.787	aglomerado	425	417899.461	4584078.126	22.975	PT	500	417895.369	4584125.821	22.392	canal
272	417762.897	4584424.535	25.909	CT	349	417735.456	4584490.817	25.832	lb	426	417901.785	4584080.166	22.921	re	501	417892.830	4584127.381	22.425	canal
273	417764.486	4584430.539	23.995	alambrada	350	417740.423	4584476.001	25.743	lb	427	417905.626	4584074.583	22.845	re	502	417889.625	4584132.736	22.419	canal
274	417765.044	4584436.868	23.305	alambrada	351	417743.142	4584476.323	25.666	aglomerado	428	417901.788	4584072.542	22.932	PT	503	417887.818	4584131.915	22.392	canal
275	417766.042	4584445.625	23.334	alambrada	352	417747.669	4584463.102	25.636	aglomerado	429	417903.410	4584065.864	22.897	PT	504	417890.935	4584126.616	22.423	canal
276	417767.062	4584452.546	23.429	alambrada	353	417745.330	4584462.028	25.735	lb	430	417907.748	4584059.570	22.819	PT	505	417892.796	4584124.266	22.429	canal
277	417767.023	4584452.665	23.445	seto	354	417750.917	4584446.030	25.892	lb	431	417910.036	4584057.811	22.697	re	506	417895.768	4584117.546	22.391	canal
278	417764.063	4584460.580	23.311	seto	355	417753.485	4584446.313	25.856	aglomerado	432	417909.784	4584064.721	22.668	re	507	417899.921	4584119.119	22.425	canal
279	417760.085	4584472.331	23.309	seto	356	417758.427	4584432.254	26.049	aglomerado	433	417908.607	4584068.136	22.650	re	508	417895.861	4584119.853	22.606	registro
280	417752.960	4584493.716	23.471	seto	357	417756.088	4584431.412	26.097	lb	434	417909.413	4584071.427	22.764	gas	509	417898.110	4584120.912	22.389	edificio
281	417749.892	4584498.826	23.649	registro	358	417760.275	4584419.469	26.272	lb	434	417909.413	4584071.427	22.764	gas	510	417899.643	4584123.211	22.434	edificio
282	417751.209	4584498.498	23.668	seto	359	417760.240	4584419.683	26.276	lb	435	417907.987	4584071.054	22.691	gas	511	417895.778	4584125.922	22.157	edificio
283	417746.547	4584512.464	23.700	seto	360	417762.676	4584419.958	26.236	aglomerado	435	417907.987	4584071.054	22.691	gas	512	417894.239	4584123.526	22.648	edificio
284	417742.608	4584524.152	24.320	seto	361	417768.216	4584403.916	26.320	aglomerado	436	417913.042	4584065.606	22.674	CAMINO	513	417897.770	4584126.365	22.071	losa
285	417739.380	4584533.749	24.542	seto	362	417765.876	4584403.056	26.439	lb	436	417690.587	4584759.580	25.910	POZO	514	417897.318	4584125.277	22.123	losa
286	417733.735	4584543.217	24.343	seto	363	417773.497	4584380.368	26.648	lb	437	417914.725	4584066.593	22.638	CAMINO	515	417898.838	4584125.190	22.107	losa
287	417728.698	4584551.620	24.532	seto	364	417776.329	4584380.646	26.574	aglomerado	438	417912.484	4584074.338	22.790	CAMINO	516	417898.509	4584124.495	22.128	losa
288	417727.178	4584551.150	24.505	re	365	417783.645	4584359.980	26.741	aglomerado	439	417909.998	4584073.554	22.701	CAMINO	517	417891.563	4584127.482	22.742	tubos
289	417726.657	4584550.921	24.629	PT	366	417781.111	4584358.866	26.823	lb	440	417905.825	4584082.066	22.806	CAMINO	518	417891.901	4584124.962	23.002	tubos
290	417729.796	4584543.814	24.469	PT	367	417783.311	4584352.793	26.863	lb	441	417907.585	4584083.405	22.779	CAMINO	519	417890.104	4584132.181	22.451	alambrada
291	417730.718	4584543.804	24.397	re	368	417785.795	4584353.408	26.772	aglomerado	442	417905.000	4584088.996	22.763	CAMINO	520	417892.947	4584134.011	22.208	alambrada
292	417733.792	4584536.888	24.199	re	369	417789.295	4584343.572	26.844	aglomerado	443	417904.643	4584090.796	22.730	CAMINO	521	417894.511	4584131.188	22.131	alambrada
293	417732.547	4584536.504	24.254	PT	370	417786.889	4584342.745	26.947	lb	444	417904.759	4584092.591	22.695	CAMINO	522	417897.526	4584128.468	22.059	alambrada
294	417733.782	4584529.083	24.265	PT	371	417790.372	4584332.882	26.967	lb	445	417905.504	4584094.395	22.385	CAMINO	523	417898.987	4584125.353	22.124	alambrada
295	417736.691	4584528.512	24.002	re	372	417792.797	4584333.611	26.903	aglomerado	446	417906.568	4584095.362	22.198	CAMINO	524	417899.497	4584124.493	22.089	alambrada
296	417740.217	4584521.292	23.774	re	373	417798.483	4584316.893	26.889	aglomerado	447	417905.206	4584098.478	22.257	CAMINO	525	417900.619	4584122.588	22.387	alambrada
297	417738.571	4584520.773	23.777	re	374	417796.173	4584316.018	27.003	lb	448	417904.407	4584098.383	22.326	CAMINO	526	417901.176	4584119.659	22.445	alambrada
298	417736.143	4584519.715	23.788	PT	375	417802.182	4584298.716	26.977	lb	449	417902.817	4584098.307	22.670	CAMINO	527	417898.058	4584117.402	22.413	alambrada
299	417738.555	4584510.899	23.470	PT	376	417804.505	4584299.325	26.892	aglomerado	450	417901.220	4584098.658	22.812	CAMINO	528	417895.366	4584115.790	22.544	alambrada
300	417739.052	4584511.804	23.658	re	377	417803.827	4584294.183	26.968	lb	451	417898.395	4584100.808	22.798	CAMINO	529	417897.178	4584111.409	22.459	alambrada
301	417743.129	4584511.298	23.547	re	378	417803.459	4584294.054	26.973	lb	452	417900.881	4584094.174	22.850	re	530	417899.161	4584112.021	22.083	alambrada
302	417747.747	4584500.442	23.365	re	379	417808.278	4584280.922	26.870	lb	453	417899.977	4584093.179	22.904	CAMINO	531	417899.668	4584110.809	22.311	alambrada
303	417746.008	4584498.607	23.454	re	380	417808.611	4584281.094	26.868	lb	454	417895.855	4584098.328	22.829	CAMINO	532	417901.980	4584105.704	22.279	alambrada
304	417743.174	4584497.307	23.395	PT	381	417810.690	4584281.802	26.788	aglomerado	455	417893.529	4584102.673	22.794	CAMINO	533	417904.694	4584100.469	22.324	alambrada
305	417746.804	4584487.801	23.278	PT	382	417816.253	4584266.261	26.696	aglomerado	456	417895.325	4584103.675	22.685	CAMINO	534	417906.552	4584096.884	22.219	alambrada
306	417748.384	4584489.965	23.068	re	383	417813.931	4584265.571	26.773	lb	457	417892.768	4584111.087	22.783	CAMINO	535	417907.049	4584095.894	22.176	alambrada
307	417750.499	4584491.345	23.080	re	384	417820.991	4584246.739	26.632	lb	458	417890.324	4584110.855	22.833	CAMINO	536	417908.456	4584093.253	22.198	alambrada
308	417755.057	4584476.360	23.030	re	385	417823.244	4584247.316	26.576	aglomerado	459	417886.160	4584117.083	22.787	CAMINO	537	417907.093	4584094.109	22.150	cañas
309	417752.063	4584480.284	23.000	re	386	417829.263	4584231.639	26.439	aglomerado	460	417891.187	4584116.528	22.720	CAMINO	538	417905.574	4584093.583	22.661	cañas
310	417748.561	4584480.310	23.296	PT	387	417826.968	4584230.861	26.526	lb	461	417890.724	4584119.880	22.707	CAMINO	539	417904.978	4584092.435	22.782	cañas
311	417748.977	4584479.049	23.367	tubos	388	417834.094	4584212.315	26.344	lb	462	417890.521	4584124.134	22.486	CAMINO	540	417907.831	4584086.923	22.777	cañas
312	417751.222	4584471.399	23.659	tubos															

565	417873.841	4584193.741	22.044	alambrada	643	417767.201	4584480.157	24.319		724	417797.559	4584380.564	24.442	imbornal	803	417855.407	4584271.305	24.097	registrosan
566	417872.427	4584197.424	21.995	alambrada	644	417782.080	4584457.125	24.233	re	725	417796.504	4584380.061	24.137	registrosan	804	417858.950	4584264.647	24.357	alambrada
567	417872.062	4584199.297	22.034	alambrada	645	417778.773	4584462.869	24.253	re	726	417795.076	4584387.041	23.983	farol	805	417861.250	4584265.890	23.962	farola
568	417871.889	4584200.101	22.130	alambrada	646	417772.579	4584463.724	23.989	arq	728	417788.803	4584407.640	24.065	imbornal	806	417864.441	4584257.634	24.293	alambrada
569	417871.619	4584202.129	21.783	cauce	647	417772.260	4584464.137	24.010	arq	729	417788.654	4584413.286	24.218	farol	807	417869.923	4584255.915	24.239	farola
570	417873.934	4584201.164	21.693	cauce	648	417778.690	4584448.772	23.947		730	417789.643	4584427.018	24.223	farol	808	417872.627	4584252.327	24.281	imbornal
571	417882.766	4584197.844	21.643	cauce	649	417774.150	4584446.016	23.557	re	731	417792.223	4584428.441	24.413	re	809	417874.445	4584246.621	24.398	alambrada
572	417886.248	4584196.645	21.563	cauce	650	417779.442	4584442.255	24.071	re	732	417793.717	4584423.097	24.566	re	810	417879.671	4584245.812	24.482	farola
573	417886.156	4584197.843	22.205	CT	651	417779.557	4584437.505	24.008	re	733	417792.444	4584422.493	24.613	re	811	417884.087	4584238.132	24.572	alambrada
574	417882.122	4584200.312	22.235	CT	652	417775.937	4584436.381	23.472	re	734	417792.391	4584417.432	24.832	re	812	417889.165	4584234.366	24.632	alambrada
575	417877.646	4584202.359	22.206	CT	653	417772.567	4584435.179	23.033	re	735	417794.531	4584417.434	24.899	re	813	417890.609	4584234.856	24.597	registrosan
576	417874.254	4584203.138	22.444	CT	654	417772.236	4584428.391	23.069	re	736	417815.881	4584358.084	24.358	re	814	417890.476	4584236.998	24.663	farola
577	417869.817	4584203.559	22.075	cañas	655	417774.503	4584428.376	23.069	re	737	417813.771	4584360.374	24.390	re	815	417896.530	4584229.128	24.796	alambrada
578	417862.676	4584215.749	22.170	cañas	656	417776.834	4584428.710	23.423	re	738	417814.509	4584361.895	24.452	re	816	417901.458	4584229.565	24.824	farola
579	417854.352	4584219.312	23.294	registro	657	417779.616	4584429.347	24.244	re	739	417809.712	4584367.573	24.701	re	817	417904.783	4584228.632	24.749	imbornal
580	417852.530	4584218.451	23.039	re	658	417780.069	4584421.206	24.299	re	740	417811.258	4584368.863	24.638	re	818	417905.023	4584229.615	24.755	imbornal
581	417850.737	4584222.496	23.081	re	659	417778.335	4584420.720	23.697	re	741	417810.205	4584372.095	24.665	re	819	417900.455	4584226.787	24.912	alambrada
582	417854.362	4584219.298	23.207	registro	660	417774.633	4584419.499	23.052	re	742	417808.031	4584373.935	24.761	re	820	417903.185	4584225.369	24.917	alambrada
583	417861.618	4584220.393	22.196	cañas	661	417776.437	4584411.026	23.178	re	743	417805.552	4584375.353	24.657	re	821	417903.710	4584225.175	24.832	puerta
584	417857.116	4584223.946	22.184	cañas	662	417778.675	4584410.742	23.152	re	744	417807.581	4584377.820	24.631	re	822	417904.190	4584224.970	24.806	alambrada
585	417856.435	4584226.191	22.187	cañas	663	417781.215	4584412.569	24.452	re	745	417807.406	4584381.408	24.556	re	823	417905.111	4584224.536	24.938	papelera
586	417853.502	4584232.842	22.218	cañas	664	417779.161	4584399.382	23.506	re	746	417805.004	4584387.468	24.852	re	824	417909.820	4584222.639	24.853	alambrada
587	417850.318	4584238.622	22.269	cañas	665	417780.843	4584399.685	23.488	re	747	417803.416	4584392.783	24.951	re	825	417916.000	4584221.229	24.844	alambrada
588	417849.117	4584247.529	22.318	cañas	669	417784.169	4584390.040	23.359	re	748	417801.580	4584397.949	24.880	re	826	417921.896	4584220.789	24.822	alambrada
589	417845.628	4584253.890	22.222	cañas	670	417785.638	4584390.247	23.210	re	749	417797.942	4584396.941	25.193	re	827	417918.526	4584217.126	24.730	CT
590	417843.987	4584259.086	22.274	cañas	671	417787.150	4584390.577	23.746	re	750	417798.578	4584393.554	25.148	re	828	417912.029	4584218.080	24.871	CT
591	417839.519	4584264.361	22.341	cañas	672	417788.519	4584390.967	23.951	re	751	417799.746	4584389.834	24.981	re	829	417905.673	4584220.767	24.862	CT
592	417836.636	4584271.398	22.476	cañas	673	417787.305	4584381.009	23.563	re	752	417800.495	4584385.255	24.379	re	830	417898.056	4584224.542	24.708	CT
593	417834.939	4584277.278	22.575	cañas	675	417789.167	4584381.522	23.415	re	753	417800.814	4584382.131	24.389	re	831	417890.379	4584229.077	24.620	CT
594	417832.278	4584284.685	22.675	cañas	676	417791.493	4584382.610	23.948	re	754	417801.727	4584379.042	24.588	re	832	417887.430	4584231.012	24.502	CT
595	417829.397	4584289.853	22.845	cañas	677	417790.913	4584370.284	23.541	re	755	417804.158	4584375.602	24.742	re	833	417884.997	4584232.598	24.524	CT
596	417827.213	4584296.667	23.060	cañas	678	417792.271	4584371.105	23.501	re	756	417806.757	4584393.000	24.105	arq	834	417884.087	4584234.946	24.661	cartel
597	417823.713	4584302.268	23.321	cañas	679	417794.190	4584372.214	23.584	re	757	417806.205	4584394.794	24.115	arq	835	417880.218	4584235.796	24.347	cartel
598	417919.025	4584033.071	22.384	odt	680	417795.834	4584373.244	23.920	re	758	417813.298	4584367.628	24.495	arq	836	417878.182	4584238.450	24.490	CT
599	417920.784	4584035.198	22.310	odt	681	417795.877	4584360.202	23.532	re	759	417811.394	4584365.836	24.635	arq	837	417871.797	4584245.115	24.475	CT
600	417920.170	4584039.644	22.323	odt	682	417798.123	4584361.231	23.512	re	760	417814.338	4584359.904	24.396	arq	838	417864.915	4584252.587	24.094	CT
601	417919.359	4584044.736	22.298	odt	683	417800.030	4584362.120	23.731	re	761	417816.123	4584359.880	24.286	arq	839	417859.266	4584260.058	24.157	CT
602	417922.712	4584045.952	22.063	odt	684	417801.648	4584362.757	23.881	re	762	417819.026	4584354.490	24.157	arq	840	417854.528	4584266.003	24.077	CT
603	417925.520	4584043.337	22.051	odt	685	417806.756	4584356.996	23.914	re	763	417818.229	4584353.674	24.159	arq	841	417853.389	4584268.648	24.053	banco
604	417929.479	4584039.356	21.971	odt	686	417804.242	4584355.563	23.561	re	764	417820.819	4584348.055	23.961	arq	842	417851.100	4584271.178	24.032	CT
605	417932.361	4584038.885	21.813	odt	687	417801.081	4584354.111	23.512	re	765	417821.940	4584347.770	23.983	arq	843	417843.774	4584281.366	23.909	CT
606	417998.238	4584124.283	22.949	registro	688	417797.437	4584352.427	23.681	re	766	417824.043	4584342.201	23.863	arq	844	417842.486	4584285.256	24.258	banco
607	417998.243	4584124.288	22.954	registro	689	417802.087	4584342.129	23.662	re	768	417825.516	4584338.547	23.778	arq	845	417841.757	4584285.103	23.840	CT
608	417809.551	4584308.657	23.647	PT	690	417806.083	4584344.120	23.512	re	769	417824.046	4584305.585	23.361	alambrada	846	417838.421	4584292.067	23.831	CT
609	417806.571	4584317.744	23.520	PT	691	417808.800	4584345.111	23.582	re	770	417828.711	4584307.499	23.579	alambrada	847	417837.602	4584293.676	23.891	CT
610	417802.419	4584329.096	23.475	PT	692	417810.854	4584345.837	23.750	re	771	417833.352	4584309.314	23.592	alambrada	848	417840.530	4584291.320	23.993	fuelle
611	417797.639	4584341.852	23.461	PT	693	417813.278	4584346.566	23.860	re	772	417823.985	4584305.572	23.341	alambrada	849	417833.457	4584291.994	23.283	PT
612	417794.565	4584350.485	23.749	PT	694	417819.729	4584337.699	23.834	re	773	417828.770	4584307.529	23.614	alambrada	850	417832.885	4584291.372	23.158	re
613	417792.586	4584358.800	23.802	PT	695	417814.167	4584335.393	23.453	re	774	417833.377	4584309.313	23.814	alambrada	851	417830.920	4584291.105	23.227	alambrada
614	417789.686	4584368.190	23.633	PTarbol	696	417809.689	4584333.576	23.428	re	775	417836.494	4584301.632	24.496	alambrada	852	417835.258	4584281.984	22.895	alambrada
615	417788.577	4584372.546	23.607	PTarbol	697	417804.807	4584332.508	23.465	re	776	417838.663	4584296.926	23.865	alambrada	853	417836.464	4584282.818	22.946	re
616	417784.828	4584384.248	23.537	PTarbol	698	417808.822	4584322.679	23.437	re	777	417838.815	4584296.492	23.855	puerta	854	417838.015	4584283.072	23.129	PT
617	417781.435	4584391.380	23.531	PTarbol	699	417813.068	4584325.295	23.254	re	778	417839.009	4584296.105	23.857	alambrada	855	417842.209	4584276.041	22.791	PT
618	417779.779	4584395.545	23.524	PTarbol	700	417816.393	4584327.9												

880	417866.323	4584215.815	22.261	alambrada	959	417851.806	4584302.145	24.220	050326	1042	417856.716	4584267.185	24.580	050326	1119	417815.346	4584353.535	23.930	050326
881	417868.081	4584217.194	22.236	re	960	417852.696	4584304.085	24.200	050326	1043	417854.236	4584270.395	24.520	050326	1120	417817.226	4584350.775	23.930	050326
882	417872.651	4584220.287	22.160	re	961	417853.206	4584305.805	24.110	050326	1044	417851.906	4584273.455	24.460	050326	1121	417819.216	4584347.455	23.930	050326
883	417876.012	4584223.368	22.117	re	962	417853.386	4584307.345	24.080	050326	1045	417849.546	4584276.895	24.430	050326	1122	417821.556	4584343.825	23.980	050326
884	417877.728	4584225.219	22.179	PT	963	417853.486	4584309.235	24.060	050326	1046	417847.386	4584280.355	24.350	050326	1123	417823.836	4584339.855	24.000	050326
885	417882.955	4584221.846	22.234	PT	964	417853.296	4584310.675	24.040	050326	1047	417845.416	4584283.675	24.290	050326	1124	417825.336	4584337.025	24.020	050326
886	417888.608	4584218.712	22.349	PT	965	417853.036	4584311.925	24.010	050326	1048	417843.586	4584287.045	24.230	050326	1125	417826.966	4584333.795	24.030	050326
887	417895.554	4584214.737	22.471	PT	966	417852.466	4584313.325	24.000	050326	1049	417841.856	4584290.535	24.180	050326	1126	417828.016	4584334.175	24.000	050326
888	417901.837	4584211.979	22.517	PT	967	417851.576	4584315.005	23.950	050326	1050	417839.956	4584294.435	24.130	050326	1127	417816.706	4584366.335	24.140	050326
889	417907.247	4584210.181	22.513	PT	968	417851.206	4584315.435	23.920	050326	1051	417838.056	4584298.495	24.110	050326	1128	417811.356	4584381.965	24.240	050326
890	417908.752	4584209.397	22.493	PT	969	417850.766	4584315.475	23.920	050326	1052	417836.386	4584302.595	24.070	050326	1129	417805.626	4584398.225	24.340	050326
891	417904.026	4584207.287	22.315	re	970	417848.806	4584315.005	23.920	050326	1053	417834.706	4584306.925	24.000	050326	1130	417799.446	4584415.925	24.360	050326
892	417896.649	4584203.734	22.077	re	971	417845.606	4584314.165	23.930	050326	1054	417833.406	4584310.155	24.000	050326	1131	417794.126	4584431.345	24.400	050326
893	417898.109	4584203.413	22.041	banco	972	417836.316	4584311.815	23.960	050326	1055	417831.976	4584314.145	24.010	050326	1132	417787.816	4584449.025	24.440	050326
894	417895.783	4584201.761	22.091	banco	973	417836.006	4584311.735	23.960	050326	1056	417830.626	4584318.235	24.040	050326	1133	417785.506	4584455.955	24.470	050326
895	417892.988	4584203.204	22.195	re	975	417895.236	4584279.045	24.300	050326	1057	417829.436	4584321.475	24.040	050326	1134	417784.516	4584458.985	24.500	050326
896	417896.183	4584207.929	22.069	re	978	417890.076	4584274.955	24.340	050326	1058	417827.976	4584325.005	24.010	050326	1135	417783.926	4584460.375	24.490	050326
897	417889.165	4584212.648	22.049	re	979	417888.446	4584275.605	24.330	050326	1059	417826.706	4584327.925	24.010	050326	1136	417782.946	4584462.085	24.480	050326
898	417885.739	4584207.765	22.220	re	980	417885.916	4584276.495	24.360	050326	1060	417825.116	4584331.315	23.990	050326	1137	417779.716	4584467.475	24.470	050326
899	417879.513	4584210.489	22.232	re	981	417883.406	4584277.155	24.370	050326	1061	417823.736	4584334.065	23.970	050326	1138	417774.206	4584476.595	24.460	050326
900	417881.244	4584216.745	22.098	re	982	417881.776	4584277.385	24.390	050326	1062	417822.356	4584336.585	23.920	050326	1139	417764.726	4584492.375	24.500	050326
901	417876.726	4584220.096	22.110	re	983	417880.296	4584277.425	24.410	050326	1063	417820.836	4584339.275	23.910	050326	1140	417754.546	4584509.195	24.610	050326
902	417874.505	4584217.629	22.138	re	984	417878.646	4584277.205	24.420	050326	1064	417819.236	4584341.985	23.900	050326	1141	417743.906	4584527.115	24.650	050326
903	417873.259	4584214.364	22.287	re	985	417876.666	4584276.635	24.450	050326	1065	417817.216	4584345.395	23.950	050326	1142	417742.326	4584526.105	24.620	050326
904	417872.388	4584212.172	22.309	re	986	417875.036	4584276.065	24.460	050326	1066	417814.686	4584349.145	23.970	050326	1148	417847.196	4584321.565	23.840	050326
905	417869.275	4584209.687	22.183	alambrada	987	417872.606	4584275.515	24.460	050326	1067	417812.306	4584352.715	23.970	050326	1149	417845.946	4584320.805	23.860	050326
908	417870.000	4584178.275	22.562	sendero	988	417870.096	4584275.165	24.460	050326	1068	417809.506	4584356.505	23.930	050326	1150	417844.596	4584320.245	23.870	050326
909	417870.767	4584174.952	22.682	sendero	989	417868.046	4584275.005	24.470	050326	1069	417806.846	4584360.095	23.910	050326	1151	417843.166	4584319.885	23.890	050326
910	417872.510	4584169.429	22.594	sendero	990	417866.066	4584275.065	24.480	050326	1070	417804.586	4584363.185	23.880	050326	1152	417841.716	4584319.745	23.900	050326
911	417874.197	4584164.922	22.591	sendero	991	417864.266	4584275.375	24.470	050326	1071	417802.086	4584366.925	23.890	050326	1153	417840.246	4584319.825	23.920	050326
912	417875.928	4584159.942	22.543	sendero	992	417862.576	4584275.805	24.460	050326	1072	417800.256	4584369.895	23.910	050326	1154	417838.816	4584320.125	23.930	050326
913	417878.583	4584154.439	22.533	sendero	993	417860.566	4584276.685	24.460	050326	1073	417798.556	4584372.725	23.970	050326	1155	417837.436	4584320.625	23.930	050326
914	417879.611	4584151.787	22.478	sendero	994	417858.646	4584277.845	24.470	050326	1074	417797.116	4584375.285	24.010	050326	1156	417836.156	4584321.335	23.940	050326
915	417880.672	4584150.149	22.444	sendero	995	417857.056	4584279.335	24.470	050326	1075	417795.656	4584378.325	24.080	050326	1157	417834.986	4584322.225	23.940	050326
916	417881.717	4584146.207	22.456	sendero	996	417855.556	4584281.025	24.430	050326	1076	417793.566	4584383.075	24.150	050326	1158	417833.976	4584323.285	23.940	050326
917	417883.544	4584141.455	22.391	sendero	997	417854.836	4584281.925	24.440	050326	1077	417792.096	4584386.835	24.200	050326	1159	417833.126	4584324.475	23.940	050326
918	417885.594	4584137.435	22.466	sendero	998	417854.216	4584282.395	24.450	050326	1078	417790.236	4584391.795	24.160	050326	1160	417832.656	4584325.665	23.960	050326
919	417888.150	4584132.293	22.456	sendero	999	417853.456	4584282.515	24.460	050326	1079	417788.916	4584395.585	24.140	050326	1161	417832.146	4584327.055	23.960	050326
920	417899.442	4584101.454	22.763	re	1000	417852.626	4584282.505	24.470	050326	1080	417787.516	4584399.215	24.180	050326	1162	417827.246	4584341.135	23.980	050326
921	417896.740	4584105.519	22.683	re	1001	417851.566	4584282.125	24.470	050326	1081	417786.276	4584403.195	24.240	050326	1163	417822.036	4584356.175	23.980	050326
922	417894.005	4584111.464	22.692	re	1002	417850.276	4584281.335	24.390	050326	1082	417785.406	4584406.915	24.280	050326	1164	417815.806	4584373.985	24.140	050326
923	417892.920	4584115.030	22.686	re	1003	417853.396	4584276.815	24.360	050326	1083	417784.586	4584413.085	24.340	050326	1165	417810.956	4584388.065	24.280	050326
924	417892.376	4584119.393	22.701	re	1004	417856.196	4584272.895	24.360	050326	1084	417783.536	4584421.245	24.340	050326	1166	417806.186	4584401.725	24.280	050326
925	417887.082	4584124.890	22.779	re	1005	417859.826	4584268.095	24.390	050326	1085	417783.206	4584427.115	24.380	050326	1167	417801.776	4584414.245	24.330	050326
926	417884.706	4584131.149	22.547	re	1006	417863.046	4584264.175	24.440	050326	1086	417782.976	4584432.545	24.430	050326	1168	417797.516	4584426.335	24.370	050326
927	417881.145	4584139.577	22.664	re	1007	417866.446	4584260.035	24.460	050326	1087	417782.936	4584438.075	24.460	050326	1169	417792.156	4584441.895	24.420	050326
928	417878.580	4584145.499	22.631	re	1008	417870.056	4584255.925	24.560	050326	1088	417783.136	4584443.185	24.460	050326	1170	417789.246	4584450.095	24.490	050326
929	417876.985	4584149.769	22.724	re	1009	417874.126	4584251.555	24.650	050326	1089	417783.436	4584446.635	24.480	050326	1171	417786.876	4584457.045	24.530	050326
930	417864.069	4584183.136	23.106	cañas	1010	417877.756	4584247.895	24.710	050326	1090	417783.776	4584449.885	24.500	050326	1172	417785.196	4584461.585	24.530	050326
931	417862.841	4584186.927	23.078	cañas	1011	417881.146	4584244.585	24.800	050326	1091	417784.476	4584452.745	24.500	050326	1173	417784.126	4584464.145	24.510	050326
932	417861.093	4																	

1207	417842.206	4584321.655	23.760	060146	1390	417898.595	4584195.216	20.850	cauce	1467	417834.002	4584277.055	23.261	canal infanta
1208	417843.666	4584321.995	23.760	060146	1391	417902.934	4584194.321	20.650	cauce	1468	417831.103	4584284.475	23.336	canal infanta
1210	417846.406	4584321.085	23.730	060146	1392	417892.040	4584197.060	22.250	CT	1469	417828.743	4584289.914	23.393	canal infanta
1218	417730.166	4584573.035	24.730		1393	417898.648	4584196.476	22.200	CT	1470	417826.072	4584296.647	23.462	canal infanta
1231	417779.726	4584403.855	23.390		1394	417902.369	4584196.048	22.230	CT	1471	417824.655	4584300.427	23.500	canal infanta
1232	417780.246	4584457.745	24.370		1395	417903.020	4584192.389	22.230	CT					
1234	417785.836	4584418.545	24.420		1396	417898.535	4584193.309	22.200	CT					
1235	417786.946	4584437.825	24.490		1397	417891.789	4584194.706	22.250	CT					
1237	417791.696	4584391.505	24.300		1398	417885.814	4584195.788	22.200	CT					
1240	417795.296	4584406.655	25.330		1399	417882.486	4584197.085	22.230	CT					
1241	417797.156	4584439.625	24.320		1400	417873.807	4584200.412	22.210	CT					
1243	417800.156	4584394.895	25.530		1401	417871.479	4584200.905	22.250	CT					
1244	417803.126	4584385.045	24.850		1402	417867.952	4584205.272	21.950	cañas					
1248	417811.896	4584365.115	24.800		1403	417870.278	4584192.559	21.980	cañas					
1265	417843.496	4584299.915	24.450		1404	417868.046	4584182.862	23.090	cañas					
1270	417847.026	4584310.585	24.410		1405	417705.384	4584576.126	27.314	060118					
1271	417848.946	4584284.035	24.380		1406	417710.086	4584559.865	26.880	060118					
1278	417856.386	4584306.645	24.140		1407	417717.636	4584534.545	26.570	060118					
1279	417859.616	4584196.585	23.230		1408	417725.056	4584510.705	26.210	060118					
1282	417860.956	4584157.305	23.300		1409	417731.426	4584491.035	25.960	060118					
1287	417868.836	4584254.875	24.560		1410	417734.256	4584482.345	25.870	060118					
1288	417869.716	4584179.235	22.750		1411	417737.976	4584471.405	25.840	060118					
1289	417870.356	4584203.455	22.470		1412	417741.626	4584460.645	25.870	060118					
1293	417873.476	4584137.895	23.280		1413	417746.286	4584447.385	25.890	060118					
1298	417876.886	4584195.145	22.350		1414	417750.946	4584433.945	26.120	060118					
1301	417879.256	4584171.825	22.310		1415	417752.796	4584428.625	26.230	060118					
1302	417879.486	4584162.775	22.350		1416	417754.706	4584423.175	26.340	060118					
1305	417882.666	4584280.205	24.540		1417	417755.656	4584420.475	26.400	060118					
1308	417885.316	4584108.885	23.050		1418	417758.976	4584411.365	26.470	060118					
1309	417886.866	4584143.625	22.450		1419	417758.736	4584411.275	26.470	060118					
1310	417886.996	4584184.025	22.430		1420	417755.506	4584419.375	26.410	060118					
1315	417892.086	4584276.165	24.400		1421	417752.166	4584427.955	26.170	060118					
1316	417892.796	4584207.335	22.530		1422	417751.956	4584428.485	26.150	060118					
1320	417899.646	4584095.675	23.060		1423	417747.606	4584439.355	26.190	060118					
1322	417900.566	4584183.335	22.390		1424	417745.666	4584444.135	26.190	060118					
1326	417903.166	4584154.315	22.260		1425	417743.366	4584449.825	26.090	060118					
1327	417903.246	4584056.555	25.130		1426	417741.286	4584455.035	25.990	060118					
1328	417903.986	4584172.855	22.310		1427	417738.896	4584460.875	25.830	060118					
1329	417904.346	4584203.595	22.100		1428	417736.706	4584466.235	25.790	060118					
1330	417906.346	4584104.485	22.360		1429	417734.386	4584471.795	25.670	060118					
1331	417906.706	4584137.745	22.250		1430	417731.946	4584477.775	25.690	060118					
1334	417911.616	4584046.225	24.450		1431	417728.956	4584485.125	25.470	060118					
1335	417911.716	4584114.455	22.352		1432	417723.076	4584499.415	25.230	060118					
1339	417915.296	4584160.465	22.300		1433	417714.406	4584520.325	24.910	060118					
1342	417918.816	4584050.535	22.360		1434	417704.306	4584544.815	24.570	060118					
1343	417918.876	4584131.415	22.370		1435	417693.996	4584569.485	24.070	060118					
1345	417920.216	4584091.065	22.280		1436	417693.791	4584569.977	24.063	060118					
1346	417921.536	4584061.605	22.840		1437	417704.558	4584575.688	27.309	060126					
1348	417924.496	4584102.885	22.350		1438	417709.206	4584559.615	26.880	060126					
1350	417926.316	4584113.495	22.340		1439	417716.756	4584534.275	26.570	060126					
1352	417926.716	4584225.795	25.340		1440	417724.186	4584510.425	26.210	060126					
1353	417927.516	4584138.895	22.370		1441	417730.556	4584490.755	25.960	060126					
1355	417933.816	4584068.725	22.270		1442	417733.356	4584482.045	25.870	060126					
1356	417933.846	4584048.765	22.340		1443	417736.546	4584472.665	25.840	060126					
1357	417934.846	4584126.305	22.200		1444	417736.726	4584472.095	25.960	060126					
1358	417935.556	4584087.565	22.320		1445	417736.726	4584471.575	25.940	060126					
1362	417943.506	4584106.845	22.290		1446	417736.536	4584471.275	25.880	060126					
1364	417946.846	4584095.685	22.900		1447	417736.226	4584471.005	25.820	060126					
1366	417947.436	4584054.055	22.160		1448	417735.806	4584470.975	25.790	060126					
1368	417951.506	4584066.245	22.320		1449	417735.456	4584471.245	25.690	060126					
1369	417953.246	4584081.865	22.360		1450	417735.066	4584472.085	25.670	060126					
1373	417963.706	4584084.875	22.360		1451	417732.636	4584478.065	25.690	060126					
1374	417963.966	4584075.365	22.350		1452	417729.526	4584485.355	25.470	060126					
1375	417968.686	4584092.905	22.330		1453	417723.646	4584499.645	25.230	060126					
1377	417972.496	4584104.015	22.800		1454	417714.976	4584520.555	24.910	060126					
1378	417973.886	4584112.905	22.360		1455	417704.876	4584545.045	24.570	060126					
1379	417976.236	4584074.155	22.200		1456	417694.566	4584569.715	24.070	060126					
1380	417979.916	4584096.965	22.260		1457	417694.336	4584570.267	24.062	060126					
1381	417982.906	4584080.475	22.140		1458	417770.658	4584422.100	23.100	PT					
1382	417989.596	4584107.175	22.120		1459	417866.093	4584203.996	22.500	canal infanta					
1383	417989.916	4584064.695	22.200		1460	417860.170	4584214.411	22.614	canal infanta					
1384	417995.006	4584091.905	22.080		1461	417853.923	4584225.873	22.738	canal infanta					
1385	418004.046	4584075.775	22.080		1462	417851.063	4584232.352	22.805	canal infanta					
1386	417721.202	4584584.516	25.646	040128	1463	417849.216	4584238.646	22.868	canal infanta					
1387	417728.886	4584551.885	25.190	040128	1464	417842.251	4584254.384	23.031	canal infanta					
1388	417739.746	4584533.845	25.110	040128	1465	417838.492	4584264.045	23.130	canal infanta					
1389	417891.935	4584195.963	21.100	cauce	1466	417835.893	4584271.240	23.203	canal infanta					

Taquimétrico Puente Arco Metálico Río Llobregat

1	418028.622	4582439.879	30.491	lb	75	418091.280	4582505.885	19.735	cun	151	418122.735	4582558.106	19.391	acera	269	418301.423	4582695.436	21.663	PT
2	418035.102	4582445.973	30.755	lb	76	418091.640	4582505.867	19.231	fondocun	152	418121.822	4582557.569	19.424	acera	270	418305.248	4582695.673	21.902	PT
3	418035.583	4582446.495	30.769	lb	77	418092.045	4582506.179	19.202	fondocun	153	418121.801	4582557.558	19.405	CAMINO	271	418309.567	4582696.103	22.107	PT
4	418038.601	4582450.382	30.874	lb	79	418092.337	4582506.618	19.711	cun	154	418120.129	4582556.295	19.380	CAMINO	272	418312.764	4582697.195	22.242	PT
5	418042.642	4582457.314	31.013	lb	80	418093.131	4582507.659	20.100	CT	155	418119.427	4582555.844	19.029	PT	273	418315.738	4582697.955	22.320	PT
6	418046.194	4582446.975	30.863	lb	81	418094.727	4582508.813	20.095	CAMINO	156	418123.631	4582546.739	18.981	fondocun	274	418320.626	4582695.558	22.131	PT
7	418050.934	4582434.622	30.535	lb	82	418098.355	4582510.783	20.064	CAMINO	157	418127.800	4582536.533	19.015	fondocun	275	418325.943	4582694.057	22.139	PT
8	418056.695	4582436.639	30.666	lb	83	418093.894	4582519.768	19.941	CAMINO	158	418129.358	4582534.898	19.442	CAMINO	276	418331.143	4582692.791	22.239	PT
9	418053.581	4582444.081	30.882	lb	84	418090.666	4582518.597	19.950	CAMINO	159	418127.309	4582539.819	19.356	CAMINO	277	418338.270	4582691.677	22.466	PT
10	418050.941	4582450.857	31.040	lb	85	418088.973	4582517.748	19.937	CT	160	418124.259	4582546.869	19.377	CAMINO	278	418342.812	4582690.497	22.490	PT
11	418049.029	4582457.567	31.135	lb	86	418087.934	4582517.310	19.729	cun	161	418125.868	4582548.071	19.512	CAMINO	279	418342.818	4582686.882	22.294	re
12	418047.952	4582463.583	31.153	lb	87	418087.662	4582517.174	19.276	fondocun	162	418125.979	4582548.056	19.509	acera	280	418341.122	4582679.540	21.930	re
13	418047.458	4582469.441	31.201	lb	88	418086.959	4582517.034	19.282	fondocun	163	418127.016	4582548.405	19.590	acera	281	418333.416	4582683.998	22.025	arq
14	418047.593	4582478.111	31.266	lb	89	418086.686	4582517.112	19.747	cun	164	418130.306	4582541.407	19.521	acera	282	418332.868	4582685.022	21.933	arq
15	418047.382	4582483.810	31.305	lb	90	418086.533	4582516.879	19.740	alambrada	165	418129.379	4582540.922	19.520	acera	283	418331.736	4582684.483	21.840	arq
16	418046.355	4582489.545	31.322	lb	91	418090.519	4582526.409	19.891	CAMINO	166	418129.330	4582540.901	19.507	CAMINO	284	418332.347	4582683.410	21.878	arq
17	418044.730	4582495.916	31.345	lb	92	418086.292	4582535.717	19.925	CAMINO	167	418131.062	4582536.833	19.540	CAMINO	285	418336.177	4582682.568	21.861	re
18	418044.047	4582500.228	31.373	lb	93	418078.838	4582553.675	19.942	CAMINO	168	418131.134	4582536.853	19.561	acera	286	418334.554	4582686.899	22.008	re
19	418051.234	4582514.966	31.542	lb	94	418075.660	4582553.218	19.949	CAMINO	169	418132.057	4582537.270	19.516	acera	287	418328.561	4582688.118	21.822	re
20	418058.865	4582520.946	31.727	lb	95	418077.174	4582548.978	19.866	CAMINO	170	418128.489	4582536.820	19.363	cun	288	418326.634	4582685.209	21.794	re
21	418065.673	4582526.237	31.893	lb	96	418076.373	4582548.015	19.843	CT	171	418126.212	4582541.845	19.348	cun	289	418318.984	4582690.691	21.818	re
22	418066.136	4582524.763	31.854	aglomerado	97	418075.805	4582547.926	19.813	cun	172	418123.955	4582546.833	19.316	cun	290	418315.053	4582687.623	21.719	re
23	418058.810	4582519.112	31.676	aglomerado	98	418075.494	4582547.707	19.324	fondocun	173	418122.297	4582546.643	19.252	cun	291	418309.727	4582692.032	21.783	re
24	418051.742	4582513.646	31.523	aglomerado	99	418074.832	4582547.573	19.256	fondocun	174	418123.971	4582543.026	19.311	cun	292	418302.726	4582692.621	21.563	re
25	418049.988	4582512.318	31.486	aglomerado	100	418074.532	4582547.555	19.759	cun	175	418127.075	4582536.385	19.338	cun	293	418298.027	4582694.707	21.495	re
26	418048.072	4582509.944	31.423	aglomerado	101	418074.355	4582547.513	19.761	alambrada	176	418123.542	4582534.827	19.279	CT	294	418329.169	4582679.561	21.897	CAMINO
27	418046.401	4582506.690	31.408	aglomerado	102	418080.796	4582531.110	19.799	alambrada	177	418121.576	4582533.795	19.313	CT	295	418320.761	4582682.658	21.838	CAMINO
28	418045.773	4582503.776	31.399	aglomerado	103	418081.092	4582531.213	19.766	cun	178	418117.883	4582532.063	19.408	CT	296	418311.464	4582685.973	21.670	CAMINO
29	418046.240	4582499.449	31.404	aglomerado	104	418081.286	4582531.217	19.294	fondocun	179	418121.055	4582540.257	19.271	CT	297	418304.020	4582689.101	21.648	CAMINO
30	418047.711	4582494.594	31.401	aglomerado	105	418081.902	4582531.478	19.294	fondocun	180	418119.077	4582544.948	19.333	CT	298	418298.829	4582692.180	21.505	CAMINO
31	418049.115	4582489.181	31.376	aglomerado	106	418082.163	4582531.545	19.794	cun	181	418118.547	4582547.591	19.241	riego	299	418294.760	4582694.233	21.331	CAMINO
32	418049.901	4582483.668	31.351	aglomerado	107	418082.869	4582531.743	19.863	CT	182	418117.995	4582547.302	19.245	riego	300	418291.854	4582695.953	20.755	CAMINO
33	418050.069	4582477.695	31.320	aglomerado	108	418083.978	4582532.007	19.853	CAMINO	183	418117.693	4582547.901	19.239	riego	301	418290.505	4582697.473	21.122	CAMINO
34	418049.893	4582471.747	31.263	aglomerado	109	418089.029	4582539.695	19.870	re	184	418118.249	4582548.153	19.246	riego	302	418283.926	4582713.134	20.950	CAMINO
35	418049.738	4582465.740	31.219	aglomerado	110	418092.343	4582531.491	19.753	re	185	418116.913	4582549.009	19.182	re	303	418282.562	4582722.029	20.913	CAMINO
36	418050.105	4582461.749	31.189	aglomerado	111	418095.798	4582524.738	19.914	re	186	418115.371	4582550.718	19.075	re	304	418272.608	4582724.672	20.844	CAMINO
37	418050.845	4582456.717	31.161	aglomerado	112	418098.948	4582518.125	19.964	re	187	418113.905	4582553.486	19.268	re	305	418274.915	4582717.138	20.916	CAMINO
38	418051.921	4582451.275	31.050	aglomerado	113	418100.852	4582518.490	20.367	re	188	418112.792	4582552.108	19.206	re	306	418277.516	4582708.553	21.093	CAMINO
39	418052.784	4582448.010	30.995	aglomerado	114	418099.179	4582522.892	20.367	re	189	418110.220	4582550.707	19.818	re	307	418278.725	4582703.601	21.036	CAMINO
40	418054.896	4582442.584	30.855	aglomerado	115	418098.094	4582528.448	20.314	re	190	418113.797	4582546.565	19.344	re	308	418284.577	4582687.318	21.534	CAMINO
41	418056.555	4582442.837	30.893	CT	116	418097.124	4582531.600	20.206	re	191	418115.502	4582538.988	19.465	re	309	418287.169	4582681.653	21.667	CAMINO
42	418054.672	4582448.765	30.994	CT	117	418095.493	4582534.610	20.200	re	192	418132.780	4582514.909	19.234	oleoducto	310	418288.848	4582673.888	21.974	CAMINO
43	418053.165	4582454.346	30.894	CT	118	418092.288	4582540.112	19.969	re	193	418141.759	4582515.809	19.489	EMSA	311	418289.431	4582663.408	21.877	CAMINO
44	418051.918	4582459.241	31.150	CT	119	418094.809	4582543.565	20.091	re	194	418141.181	4582516.286	19.479	EMSA	312	418291.040	4582659.479	21.786	CAMINO
45	418051.451	4582460.497	31.228	CT	120	418098.475	4582546.026	20.122	re	195	418141.945	4582516.564	19.458	EMSA	313	418296.619	4582663.479	21.924	re
46	418051.092	4582464.981	31.290	CT	121	418103.902	4582548.590	19.845	re	196	418142.489	4582515.602	19.466	EMSA	314	418306.976	4582669.875	22.055	re
47	418051.064	4582470.184	31.228	CT	122	418107.495	4582550.143	19.907	re	197	418141.697	4582515.171	19.476	EMSA	315	418315.900	4582674.681	22.102	re
48	418051.231	4582478.136	31.388	CT	123	418109.808	4582549.527	19.971	re	198	418124.126	4582563.080	19.437	re	316	418306.460	4582679.630	22.113	re
49	418050.920	4582485.497	31.359	CT	124	418111.555	4582544.034	20.118	re	199	418125.661	4582566.559	19.450	re	317	418299.498	4582676.853	22.208	re
50	418049.822	4582491.526	31.344	CT	125	418113.947	4582535.446	19.930	re	200	418132.015	4582570.330	19.234	re	318	418290.966	4582683.211	21.720	re
51	418048.509	4582496.064	31.375	CT	126	418111.774	4582533.618	20.385	re	201	418133.821	4582573.335	19.223	CT	319	418293.459	4582688.033	21.631	re
52	418047.501	4582499.217	31.359	CT	127	418109.995	4582527.119	20.538	re	202	418137.230	4582566.499	19.121	CT	320	418287.430	4582690.962	21.448	re
53	418047.228	4582502.373	31.365	CT	128	418105.836	4582523.578	20.466	re	203	418139.845	4582559.027	19.078	CT	321	418280.366	4582709.835	20.936	re
54	418047.419	4582504.945	31.391	CT	129	418104.340	4582531.771	20.260	re	204	418141.737								

343	418308.360	4582711.548	31.136	alambrada	420	418262.627	4582653.395	18.470	CAMINO	498	418241.189	4582680.567	13.686	re	3077	418108.586	4582489.395	20.290	CAMINO
344	418311.874	4582712.024	31.324	alambrada	421	418260.563	4582650.919	18.397	re	499	418242.178	4582685.812	13.810	re	3078	418108.086	4582506.235	20.230	re
345	418315.826	4582712.161	31.267	alambrada	422	418255.942	4582649.531	18.523	CT	510	418300.724	4582540.786	18.210	EMSA	3079	418131.366	4582505.655	19.450	re
346	418319.229	4582711.803	31.565	alambrada	423	418254.612	4582655.662	18.439	CT	511	418302.206	4582541.522	18.146	EMSA	3080	418113.056	4582513.055	20.000	re
347	418322.598	4582710.898	31.583	alambrada	424	418255.203	4582659.094	18.401	CT	512	418302.813	4582540.067	18.357	EMSA	3081	418131.896	4582525.935	19.390	camino
348	418325.697	4582709.844	31.552	alambrada	425	418254.384	4582660.649	18.332	CT	513	418301.478	4582539.484	18.333	EMSA	3082	418137.506	4582526.605	19.440	camino
349	418329.030	4582708.576	31.632	alambrada	426	418254.220	4582664.704	18.346	CT	514	418302.017	4582540.217	18.396	EMSA	3083	418149.066	4582534.335	19.000	ct
350	418332.475	4582707.566	31.710	alambrada	427	418254.060	4582668.094	18.243	CT	515	418308.974	4582508.519	18.227	salmueras	3084	418187.256	4582579.225	13.032	RE
351	418335.849	4582706.868	31.739	alambrada	428	418254.207	4582669.457	18.280	CT	516	418310.072	4582505.964	18.285	salmueras	3085	418205.496	4582598.205	13.190	RE
352	418339.165	4582706.422	31.587	alambrada	429	418256.569	4582670.909	18.338	re	517	418301.807	4582503.382	17.480	salmussepe	3086	418235.662	4582648.955	12.750	RE
353	418342.724	4582705.758	31.534	alambrada	430	418256.932	4582666.055	18.388	re	518	418272.316	4582518.560	12.712	EMSA	3087	418229.796	4582637.245	13.020	RE
354	418343.217	4582706.339	31.800	CT	432	418257.667	4582661.419	18.417	re	519	418163.314	4582438.877	19.222	EMSA	3088	418234.876	4582632.855	13.060	RE
355	418339.815	4582707.043	31.810	CT	433	418260.010	4582662.243	18.450	CAMINO	520	418162.724	4582439.368	19.140	EMSA	3089	418237.026	4582644.055	13.050	RE
356	418335.941	4582707.424	31.832	CT	434	418264.216	4582663.531	18.541	CAMINO	521	418163.676	4582439.639	19.115	EMSA	3090	418239.256	4582652.015	13.100	RE
357	418331.041	4582708.232	31.791	CT	435	418266.622	4582664.222	18.476	PT	522	418163.923	4582438.621	19.215	EMSA	3091	418223.426	4582642.696	12.700	RE
358	418327.982	4582709.338	31.655	CT	436	418265.265	4582673.379	18.607	PT	523	418162.872	4582438.333	19.206	EMSA	3092	418234.563	4582640.770	12.740	RE
359	418325.155	4582710.455	31.709	CT	437	418262.777	4582675.804	18.505	CAMINO	524	418169.532	4582423.775	18.873	oleoducto	3093	418225.468	4582663.387	12.640	RE
360	418322.731	4582711.421	31.680	CT	438	418258.398	4582672.593	18.324	CAMINO	3007	418106.036	4582585.676	19.185		3094	418220.727	4582661.459	12.634	RE
361	418320.652	4582711.883	31.598	CT	439	418262.620	4582692.425	18.395	PT	3008	418106.146	4582583.575	19.218		3095	418215.561	4582656.779	12.680	RE
362	418316.725	4582712.624	31.636	CT	440	418262.330	4582698.380	18.380	PT	3009	418113.646	4582581.686	19.381	BR	3096	418212.967	4582613.176	13.020	RE
363	418312.545	4582713.106	31.711	CT	441	418261.372	4582704.369	18.359	PT	3010	418113.648	4582581.686	19.382	BR	3097	418190.787	4582594.594	13.020	RE
364	418310.765	4582712.743	31.687	CT	442	418259.772	4582704.225	18.401	CAMINO	3011	418126.092	4582595.434	19.465	BR	3098	418230.775	4582668.070	13.320	RE
365	418309.718	4582712.382	31.791	CT	443	418260.123	4582699.613	18.381	CAMINO	3012	418126.094	4582595.432	19.452	BR	3099	418239.101	4582674.627	13.200	RE
366	418307.968	4582711.790	31.950	CT	444	418260.999	4582692.298	18.327	CAMINO	3013	418126.093	4582595.436	19.452	BR	3100	418322.976	4582720.035	32.010	RE
367	418307.826	4582712.022	31.827	aglobiond	445	418257.474	4582690.618	18.202	CAMINO	3014	418121.985	4582559.838	19.418	BR	3101	418344.836	4582716.065	32.080	RE
368	418309.001	4582712.991	31.776	aglobiond	446	418256.557	4582695.506	18.189	CAMINO	3015	418121.984	4582559.841	19.413	BR	3102	418361.376	4582731.015	32.460	RE
369	418311.461	4582713.948	31.732	aglobiond	447	418255.782	4582702.985	18.280	CAMINO	3016	418121.974	4582559.849	19.400	BR	3103	418357.366	4582734.235	32.450	LB
370	418314.959	4582714.402	31.719	aglobiond	448	418253.046	4582702.993	18.338	re	3018	418107.634	4582540.766	20.461		3104	418354.496	4582729.195	32.330	LB
371	418317.906	4582714.389	31.741	aglobiond	449	418252.922	4582698.853	18.231	re	3030	418282.960	4582719.003	20.949	BR	3105	418350.296	4582725.175	32.200	LB
372	418320.468	4582713.764	31.768	aglobiond	450	418251.073	4582700.126	18.592	CT	3031	418282.963	4582718.972	20.946	BR	3106	418342.326	4582721.785	32.000	.
373	418322.911	4582712.785	31.790	aglobiond	451	418251.331	4582695.100	17.905	CT	3032	418282.940	4582719.003	20.953	BR	3107	418333.666	4582722.035	31.830	.
374	418326.308	4582711.439	31.776	aglobiond	452	418251.570	4582692.850	17.959	CT	3033	418282.950	4582718.983	20.952	BR	3108	418325.906	4582725.885	31.720	.
375	418329.343	4582710.438	31.822	aglobiond	453	418252.768	4582693.872	18.149	salmueras	3034	418277.739	4582676.263	21.780	BR	3109	418028.286	4582451.735	30.820	.
376	418333.071	4582709.476	31.838	aglobiond	454	418249.712	4582692.600	17.226	salmussepe	3035	418277.751	4582676.251	21.781	BR	3110	418034.696	4582461.175	31.050	.
377	418337.601	4582708.778	31.842	aglobiond	455	418253.302	4582692.480	18.020	re	3036	418277.749	4582676.259	21.783	BR	3111	418038.226	4582472.175	31.160	.
378	418342.320	4582708.248	31.881	aglobiond	456	418252.384	4582690.740	18.064	CT	3037	418176.886	4582627.025	13.060	RIO	3112	418037.836	4582455.575	31.160	.
379	418368.043	4582742.508	32.326	lb	457	418252.458	4582687.550	18.103	CT	3038	418175.506	4582636.675	13.060	RIO	3113	418042.956	4582482.425	31.420	.
380	418367.282	4582735.283	32.239	lb	458	418254.058	4582687.488	18.085	re	3039	418173.486	4582643.805	13.060	RIO	3114	418038.516	4582501.005	31.360	.
381	418364.620	4582727.818	32.167	lb	459	418254.823	4582684.430	18.090	re	3040	418143.666	4582599.555	12.960	RIO	3115	418031.886	4582501.225	31.170	.
382	418360.139	4582721.454	32.070	lb	460	418253.473	4582683.550	18.364	CT	3041	418141.016	4582601.595	12.960	RIO	3116	418035.526	4582494.675	31.150	.
383	418355.441	4582717.094	31.983	lb	461	418243.195	4582690.806	13.958	PT	3042	418139.946	4582604.525	12.960	RIO	3117	418037.616	4582488.435	31.150	.
384	418350.291	4582713.685	31.925	lb	462	418243.448	4582684.676	13.900	PT	3043	418140.336	4582612.125	12.960	RIO	3118	418038.726	4582480.335	31.160	.
385	418357.389	4582712.269	32.003	lb	463	418243.151	4582679.677	13.872	PT	3044	418128.926	4582598.865	18.000	CT	3119	418023.436	4582447.295	30.700	.
386	418362.520	4582711.135	32.010	lb	464	418243.975	4582676.120	13.891	PT	3045	418146.016	4582541.885	19.000	CT	3120	418061.546	4582478.945	25.670	alambrada
387	418361.750	4582707.219	31.941	lb	465	418243.592	4582657.821	13.166	PT	3045	418156.186	4582542.985	12.960	RIO	3121	418065.636	4582466.885	24.320	alambrada
388	418354.187	4582708.866	31.951	lb	466	418244.485	4582653.693	12.993	PT	3046	418074.281	4582530.369	21.750	VIA	3122	418064.786	4582486.725	19.890	alambrada
389	418346.305	4582710.297	31.888	lb	467	418245.570	4582642.208	12.806	PT	3047	418077.666	4582521.735	21.720	VIA	3123	418056.976	4582506.005	19.940	alambrada
390	418339.273	4582711.047	31.813	lb	468	418247.873	4582631.734	12.842	PT	3048	418088.506	4582494.775	21.760	VIA	3124	418053.676	4582514.365	19.940	alambrada
391	418333.185	4582711.833	31.792	lb	469	418249.373	4582625.507	12.793	PT	3049	418229.466	4582643.315	12.730	re	3125	418305.646	4582720.805	32.040	LB
392	418326.901	4582713.363	31.752	lb	470	418244.210	4582623.785	12.617	re	3049	418086.956	4582494.145	21.760	VIA	3126	418302.276	4582721.745	31.990	alambrada
393	418322.040	4582714.655	31.745	lb	471	418239.667	4582617.406	12.951	re	3050	418076.116	4582521.115	21.720	VIA	3127	418304.796	4582727.355	32.150	alambrada
394	418316.971	4582715.356	31.726	lb	472	418233.273	4582614.119	12.944	re	3051	418072.895	4582529.302	21.750	VIA	3128	418304.986	4582732.995	32.130	alambrada
395	418312.578	4582714.852	31.722	lb	473	418225.836	4582618.169	12.965	re	3052	418070.778	4582527.674	21.750	VIA	3129	418307.646	4582724.105	32.000	lb
396	418309.544	4582713.654	31.740	lb															

3154	418059.756	4582541.275	20.930	alambrada	3231	418091.196	4582496.075	20.910	PT	3308	418228.195	4582666.428	13.350	re
3155	418061.999	4582535.617	20.920	alambrada	3232	418087.796	4582504.415	20.920	PT	3309	418269.770	4582681.182	21.050	re
3156	418064.929	4582537.821	21.840	via	3233	418085.546	4582509.975	20.920	PT	3310	418264.693	4582677.622	18.559	PT
3157	418066.298	4582538.886	21.840	via	3234	418081.806	4582519.255	20.930	PT					
3158	418068.422	4582540.503	21.840	via	3235	418078.446	4582527.595	20.930	PT					
3159	418069.790	4582541.578	21.840	via	3236	418076.603	4582532.110	20.930	PT					
3160	418092.146	4582502.750	19.630	alambrad	3237	418088.256	4582568.929	19.620	re					
3161	418095.196	4582495.355	19.610	alambrad	3238	418026.866	4582522.735	31.350	aglomerado					
3162	418101.297	4582480.563	19.560	alambrada	3239	418022.496	4582527.085	31.290	aglomerado					
3163	418060.696	4582570.745	21.340	catenaria	3240	418021.346	4582525.715	31.290	lb					
3164	418051.096	4582567.095	21.340	catenaria	3241	418026.376	4582521.575	31.380	lb					
3165	418055.886	4582545.555	21.220	catenaria	3242	418029.526	4582519.745	31.470	lb					
3166	418045.126	4582541.445	21.210	catenaria	3243	418031.386	4582518.885	31.490	lb					
3167	418049.416	4582554.735	21.920	via	3244	418075.002	4582545.601	20.380	alambrada					
3168	418048.076	4582554.215	21.920	via	3245	418044.374	4582505.077	31.390	lb					
3169	418045.096	4582553.055	21.920	via	3246	418046.045	4582509.781	31.540	lb					
3170	418043.756	4582552.535	21.920	via	3247	418048.646	4582512.815	31.600	lb					
3171	418058.109	4582532.621	21.860	via	3248	418144.388	4582584.601	12.960	RIO					
3172	418056.927	4582531.670	21.860	via	3249	418146.586	4582580.245	12.960	RIO					
3173	418054.293	4582529.650	21.860	via	3250	418148.886	4582573.235	12.960	RIO					
3174	418053.103	4582528.746	21.860	via	3251	418151.036	4582567.445	12.960	RIO					
3175	418049.151	4582525.703	20.320	alambrada	3252	418150.336	4582559.285	12.960	RIO					
3176	418044.172	4582536.617	20.330	alambrada	3253	418151.696	4582552.925	12.960	RIO					
3177	418040.958	4582543.939	20.360	alambrada	3254	418153.326	4582549.045	12.960	RIO					
3178	418039.371	4582535.625	22.960	alambrada	3255	418180.466	4582576.365	12.970	RIO					
3179	418035.041	4582542.280	24.090	alambrada	3256	418177.986	4582590.155	12.970	RIO					
3180	418031.848	4582549.614	23.640	alambrada	3257	418177.156	4582600.895	12.970	RIO					
3181	418048.276	4582526.845	20.320	cuneta	3258	418176.649	4582609.492	12.970	RIO					
3182	418047.166	4582526.265	20.320	cuneta	3259	418064.824	4582478.671	19.620	murete					
3183	418043.316	4582536.315	20.330	cuneta	3260	418046.937	4582524.232	19.620	PT					
3184	418042.196	4582535.765	20.330	cuneta	3261	418042.771	4582530.828	19.620	PT					
3185	418040.986	4582541.395	20.360	cuneta	3262	418039.724	4582536.008	19.620	PT					
3186	418039.836	4582540.895	20.360	cuneta	3263	418052.324	4582512.964	19.620	PT					
3187	418039.426	4582535.565	22.920	aleta	3264	418054.275	4582507.618	19.620	PT					
3188	418043.396	4582528.645	26.000	aleta	3265	418058.351	4582499.128	19.620	PT					
3189	418046.330	4582523.528	27.840	aleta	3266	418061.404	4582489.685	19.620	PT					
3190	418040.906	4582518.885	31.530	aglomerado	3267	418063.883	4582482.470	19.620	PT					
3191	418038.926	4582518.435	31.530	aglomerado	3268	418301.546	4582720.225	32.190	ISLA					
3192	418037.306	4582518.355	31.530	aglomerado	3269	418308.586	4582711.475	32.810	ISLA					
3193	418032.966	4582519.235	31.490	aglomerado	3270	418050.836	4582512.205	31.670	ISLA					
3194	418029.816	4582520.785	31.430	aglomerado	3271	418043.706	4582521.505	31.810	ISLA					
3195	418069.846	4582473.820	19.120	alambrada	3272	418083.857	4582553.040	19.620	re					
3196	418073.606	4582468.815	20.860	pt	3273	418088.449	4582556.485	19.620	re					
3197	418069.386	4582479.125	20.880	pt	3274	418093.105	4582560.055	19.620	re					
3198	418067.496	4582483.755	20.880	pt	3275	418102.314	4582567.278	19.620	re					
3199	418063.726	4582493.015	20.910	pt	3276	418109.848	4582572.938	19.100	re					
3200	418061.856	4582497.655	20.920	pt	3277	418122.681	4582583.173	19.480	re					
3201	418060.356	4582501.365	20.930	pt	3278	418194.433	4582639.722	13.610	re					
3202	418056.636	4582510.645	20.940	pt	3279	418206.386	4582649.901	13.180	re					
3203	418054.806	4582515.276	20.940	pt	3280	418201.267	4582645.656	13.330	re					
3204	418049.366	4582528.975	20.960	pt	3281	418260.936	4582673.814	18.450	re					
3205	418050.296	4582526.597	20.950	pt	3282	418267.907	4582679.288	20.020	re					
3206	418047.536	4582533.625	20.980	pt	3283	418098.596	4582564.148	19.440	re					
3207	418045.706	4582538.275	20.990	pt	3284	418121.471	4582565.969	19.440	re					
3208	418042.436	4582546.665	21.020	pt	3285	418128.224	4582571.397	19.440	re					
3209	418040.266	4582552.255	21.030	pt	3286	418132.931	4582575.335	19.220	re					
3210	418048.906	4582565.135	21.040	pt	3287	418114.910	4582560.983	19.270	re					
3211	418052.446	4582555.785	20.980	pt	3288	418110.348	4582557.534	19.300	re					
3212	418057.856	4582541.795	20.920	pt	3289	418106.397	4582555.026	19.350	re					
3213	418054.206	4582551.105	20.950	pt	3290	418097.302	4582547.910	20.120	re					
3214	418060.096	4582536.225	20.910	pt	3291	418094.066	4582545.225	20.120	re					
3215	418072.182	4582543.427	20.940	pt	3292	418090.977	4582542.936	20.120	re					
3216	418069.116	4582551.095	20.950	pt	3293	418087.752	4582540.463	19.870	re					
3217	418065.536	4582560.435	21.030	pt	3294	418220.584	4582638.760	13.100	re					
3218	418063.746	4582565.105	21.080	pt	3295	418226.158	4582637.427	13.050	re					
3219	418060.736	4582572.975	21.160	pt	3296	418234.161	4582636.409	13.120	re					
3220	418065.880	4582569.068	20.480	alambrada	3297	418237.684	4582640.034	13.100	re					
3221	418065.309	4582523.398	20.870	PT	3298	418238.517	4582655.800	13.200	re					
3222	418067.126	4582518.805	20.870	PT	3299	418236.389	4582652.986	12.740	re					
3223	418066.961	4582524.691	20.880	PT	3300	418231.935	4582649.622	12.650	re					
3224	418068.776	4582520.105	20.880	PT	3301	418228.511	4582646.779	12.600	re					
3225	418070.486	4582510.455	20.870	PT	3302	418224.537	4582645.640	12.600	re					
3226	418072.106	4582511.735	20.870	PT	3303	418217.746	4582640.935	13.200	re					
3227	418074.216	4582501.175	20.900	PT	3304	418213.313	4582655.825	13.300	re					
3228	418076.226	4582501.545	20.880	PT	3305	418213.082	4582658.346	13.300	re					
3229	418078.316	4582490.975	20.940	PT	3306	418217.430	4582663.421	13.350	re					
3230	418079.626	4582493.205	20.880	PT	3307	418222.518	4582667.176	13.450	re					

3.12.3.- Puntos de estructuras y obras de drenaje

Actuación B - Marco Ramal 4 P.K. 4+200					1207	416655.899	4586149.491	29.739	muro	3614	416454.285	4585320.974	37.504	estribo	3846	416368.946	4585269.372	40.909	pilar
					1208	416656.253	4586148.521	29.232	muro	3615	416454.299	4585320.968	37.657	estribo	3847	416366.972	4585273.798	40.999	pilar
					1209	416656.274	4586148.530	27.732	muro	3616	416456.187	4585315.785	37.651	estribo	3848	416366.636	4585274.463	40.979	pilar
539	416514.709	4586576.478	28.404	of	1210	416656.686	4586148.420	30.428	muro	3617	416456.182	4585315.782	37.599	estribo	3849	416362.417	4585283.843	40.743	pilar
540	416514.669	4586576.437	28.902	of	1211	416656.292	4586148.512	30.441	muro	3618	416458.100	4585310.528	37.600	estribo	3850	416362.124	4585284.516	40.724	pilar
541	416514.424	4586575.990	29.154	of	1212	416656.296	4586148.425	30.598	muro	3619	416458.096	4585310.527	37.515	estribo	3851	416361.623	4585284.818	40.825	viga
542	416507.205	4586580.678	31.720	of	1213	416653.512	4586156.289	30.666	muro	3620	416460.010	4585305.281	37.517	estribo	3852	416362.702	4585283.485	40.857	viga
543	416506.706	4586580.942	31.716	of	1214	416653.613	4586156.010	30.441	muro	3621	416460.006	4585305.284	37.416	estribo	3853	416364.177	4585279.900	40.946	viga
544	416507.002	4586580.341	31.801	of	1215	416653.815	4586156.174	30.434	muro	3622	416461.925	4585300.030	37.412	estribo	3854	416364.691	4585278.282	40.959	viga
545	416506.620	4586580.188	31.947	of	1221	416609.085	4586138.315	27.302	dest	3623	416462.733	4585300.493	39.116	estribo	3855	416366.735	4585274.969	41.064	viga
546	416500.409	4586592.153	31.969	of	1222	416608.835	4586145.500	27.345	dest	3624	416458.873	4585306.845	37.712	viga	3856	416367.162	4585273.299	41.069	viga
547	416500.815	4586592.179	31.953	of	1224	416615.204	4586146.501	27.357	canaleta	3625	416458.758	4585308.659	37.732	viga	3857	416369.013	4585269.919	40.991	viga
548	416500.895	4586592.157	31.742	of	1225	416611.212	4586145.639	27.362	canaleta	3626	416457.028	4585312.099	37.812	viga	3858	416369.566	4585268.316	40.993	viga
549	416501.265	4586591.491	31.750	of	1226	416604.126	4586147.929	27.493	canaleta	3627	416456.637	4585313.783	37.811	viga	3859	416370.938	4585264.690	40.910	viga
550	416506.042	4586594.340	28.804	of	1227	416605.150	4586148.766	27.941	muro	3628	416455.094	4585317.375	37.862	viga	3860	416371.560	4585263.126	40.889	viga
551	416505.703	4586594.843	29.054	of	1228	416604.387	4586149.061	28.177	muro	3629	416454.575	4585318.993	37.859	viga	3902	416350.779	4585253.138	41.638	pilar
604	416458.137	4586578.024	28.509	of	1229	416610.920	4586146.980	30.823	muro	3630	416453.566	4585322.805	37.720	viga	3903	416348.299	4585258.085	41.750	pilar
605	416458.208	4586578.032	29.375	of	1230	416611.230	4586146.882	30.832	muro	3631	416452.829	4585324.308	37.712	viga	3904	416348.059	4585258.837	41.682	pilar
606	416458.443	4586577.606	29.358	of	1231	416611.164	4586147.345	31.042	muro	3632	416451.643	4585328.049	37.596	viga	3905	416345.835	4585263.114	41.786	pilar
607	416463.204	4586580.085	32.033	of	1232	416613.466	4586138.889	31.048	muro	3633	416451.097	4585329.638	37.557	viga	3906	416345.563	4585263.809	41.747	pilar
608	416462.832	4586580.781	31.996	of	1233	416613.315	4586139.200	30.865	muro	3638	416439.417	4585297.544	38.403	pilar	3907	416343.392	4585268.117	41.645	pilar
609	416463.288	4586580.080	32.150	of	1234	416612.967	4586138.909	30.875	muro	3639	416439.100	4585298.271	38.368	pilar	3908	416340.925	4585273.092	41.537	pilar
610	416463.769	4586580.271	32.340	of	1235	416607.576	4586133.969	27.999	muro	3640	416437.480	4585302.843	38.506	pilar	3909	416340.606	4585273.751	41.504	pilar
611	416457.395	4586592.051	32.292	of	1236	416621.603	4586141.061	27.310	muro	3641	416437.181	4585303.561	38.467	pilar	3910	416340.124	4585274.057	41.610	viga
612	416456.967	4586591.877	32.185	of	1237	416613.366	4586139.275	27.323	muro	3642	416435.584	4585308.124	38.514	pilar	3911	416340.845	4585272.543	41.639	viga
613	416457.210	4586591.218	32.030	of	1238	416611.287	4586146.792	28.132	muro	3643	416435.262	4585308.804	38.500	pilar	3912	416342.546	4585269.071	41.732	viga
614	416456.612	4586591.576	32.003	of	1239	416617.873	4586148.231	28.053	muro	3644	416433.697	4585313.344	38.355	pilar	3913	416343.129	4585267.479	41.741	viga
615	416456.934	4586591.952	32.064	of	1240	416611.302	4586146.789	29.605	muro	3645	416433.398	4585314.032	38.345	pilar	3914	416345.025	4585264.101	41.841	viga
616	416451.507	4586595.009	30.326	of	1241	416611.581	4586145.827	30.104	muro	3646	416431.805	4585318.619	38.220	pilar	3915	416345.720	4585262.569	41.834	viga
617	416451.276	4586594.608	30.341	of	1242	416613.103	4586140.236	30.153	muro	3647	416431.467	4585319.315	38.225	pilar	3916	416347.954	4585259.359	41.748	viga
618	416451.469	4586595.089	29.797	of	1243	416613.360	4586139.235	29.660	muro	3648	416431.156	4585319.643	38.281	viga	3917	416348.569	4585257.789	41.751	viga
619	416451.140	4586594.599	29.293	of						3649	416432.319	4585318.362	38.296	viga	3919	416350.662	4585252.641	41.642	viga
										3650	416432.950	4585314.333	38.430	viga	3961	416330.077	4585242.782	42.382	pilar
										3651	416434.296	4585313.132	38.429	viga	3962	416329.757	4585243.511	42.351	pilar
										3652	416435.172	4585309.267	38.553	viga	3963	416329.758	4585243.512	42.351	pilar
										3653	416435.747	4585307.672	38.556	viga	3964	416327.388	4585247.636	42.511	pilar
										3654	416437.025	4585303.971	38.510	viga	3965	416327.129	4585248.376	42.430	pilar
										3655	416437.684	4585302.439	38.513	viga	3966	416322.097	4585257.479	42.433	pilar
										3656	416438.913	4585298.717	38.439	viga	3967	416321.794	4585258.149	42.415	pilar
										3657	416439.643	4585297.229	38.397	viga	3968	416319.407	4585262.340	42.313	pilar
										3687	416405.386	4585305.323	39.186	pilar	3969	416319.060	4585263.003	42.312	pilar
										3688	416406.985	4585300.812	39.310	pilar	3970	416318.586	4585263.263	42.373	viga
										3689	416407.310	4585300.140	39.320	pilar	3971	416319.403	4585261.796	42.413	viga
										3690	416408.869	4585295.544	39.451	pilar	3972	416321.171	4585258.367	42.497	viga
										3691	416409.139	4585294.843	39.495	pilar	3973	416321.840	4585256.819	42.508	viga
										3692	416410.792	4585290.322	39.409	pilar	3974	416324.058	4585253.599	42.602	viga
										3693	416411.056	4585289.575	39.471	pilar	3975	416324.772	4585252.072	42.604	viga
										3694	416412.746	4585285.047	39.301	pilar	3976	416326.625	4585248.702	42.528	viga
										3695	416412.983	4585284.232	39.373	pilar	3977	416327.290	4585247.150	42.522	viga
										3696	416413.141	4585283.929	39.369	viga	3978	416329.288	4585243.823	42.417	viga
										3697	416412.248	4585285.354	39.412	viga	3979	416330.194	4585242.406	42.383	viga

4022	416291.095	4585214.448	44.155	estribo
4023	416289.435	4585217.591	44.151	estribo
4024	416285.823	4585224.183	44.102	estribo
4025	416285.824	4585224.183	44.041	estribo
4026	416283.160	4585229.041	44.039	estribo
4027	416280.489	4585233.882	43.870	estribo
4028	416275.078	4585243.704	43.779	estribo
4029	416274.322	4585243.330	44.732	estribo

Actuación B - O.D. Ramal 0 B-24 P.K. 0+060

1001	416259.979	4585242.009	43.239	of-600
1002	416261.513	4585238.284	45.430	sum
1029	416268.836	4585223.333	46.127	sum
1053	416273.910	4585212.409	44.620	of-600

Actuación B - O.D. Ramal 0 P.K. 0+560

1039	416719.401	4585441.051	27.650	muro
1040	416721.287	4585439.673	25.750	muro
1044	416717.443	4585439.005	27.646	muro
1045	416661.131	4585496.794	25.855	rell
1046	416660.503	4585494.736	26.313	muro
1047	416662.035	4585493.582	28.192	muro
1049	416663.773	4585495.448	28.194	muro
1050	416661.948	4585498.947	25.880	muro
3752	416718.903	4585437.181	25.730	muro
3753	416721.284	4585439.661	25.250	muro
3754	416719.403	4585441.031	25.280	muro
3755	416717.458	4585439.003	25.270	muro
3756	416718.911	4585437.184	25.230	muro
3757	416660.509	4585494.744	25.810	muro
3758	416662.032	4585493.597	25.800	muro
3760	416663.761	4585495.449	25.800	muro
3761	416661.954	4585498.949	26.380	muro

Actuación B - O.D. Ramal 1 P.K. 1+260

1243	416793.229	4585356.995	24.689	muro
1244	416792.139	4585354.549	24.593	muro
1245	416794.107	4585352.947	24.575	muro
1246	416796.333	4585354.459	24.713	muro
1247	416793.123	4585353.748	24.580	of-1800
1248	416740.615	4585289.343	23.744	of-1800

Actuación B – Marco a la Dcha. Del Ramal 0 P.K. 0+630

1063	416776.840	4585446.425	25.189	muro
1064	416779.037	4585443.945	25.008	canaleta
1065	416779.030	4585443.933	24.862	canaleta
1066	416786.331	4585439.581	25.345	canaleta
1067	416786.318	4585439.544	24.923	canaleta
1068	416786.512	4585435.921	24.662	rell
1069	416781.763	4585429.107	24.809	muro
1070	416781.829	4585429.058	25.217	muro
1071	416781.300	4585428.322	24.818	ct
1097	416789.799	4585431.541	29.668	muro
1098	416789.927	4585431.556	29.686	muro
1100	416790.181	4585431.002	30.310	muro
1111	416786.878	4585440.857	30.347	muro
1112	416786.552	4585440.614	29.638	muro

Actuación B - Marco Ramal 1 P.K. 1+400

1724	416857.684	4585248.413	25.542	muro
1725	416862.969	4585250.409	28.838	muro

1726	416863.324	4585250.547	28.863	muro
1727	416853.417	4585263.105	28.860	muro
1728	416853.409	4585263.105	29.420	muro
1729	416853.272	4585263.111	29.417	muro
2055	416857.603	4585248.507	23.501	muro
2264	416853.753	4585262.693	23.148	
2265	416853.814	4585262.672	27.055	
2266	416854.833	4585261.341	27.509	
2267	416863.340	4585250.586	27.053	
2268	416862.407	4585251.750	27.528	
2269	416863.331	4585250.595	24.100	
2270	416863.423	4585251.669	24.063	
2271	416863.420	4585251.705	23.191	
2273	416873.763	4585259.303	24.617	
2275	416863.282	4585251.717	23.189	canaleta
2279	416857.706	4585257.702	23.190	muro
2280	416857.320	4585258.178	23.057	muro
2281	416857.280	4585258.143	24.111	muro
2294	416853.749	4585262.681	23.140	muro
3269	416946.696	4585247.014	28.674	muro
3270	416950.650	4585235.578	28.751	muro
3306	416950.444	4585248.200	24.637	muro
3308	416959.190	4585228.414	24.877	
3309	416950.463	4585248.349	25.781	muro
3310	416951.185	4585236.682	23.035	canaleta
3311	416955.883	4585232.583	23.190	canaleta
3312	416955.905	4585232.518	23.531	canaleta
3313	416951.230	4585236.548	23.939	canaleta
3314	416952.287	4585236.756	22.902	cam
3357	416946.320	4585246.820	23.099	muro
3358	416946.312	4585246.830	26.859	muro
3359	416946.717	4585245.788	27.355	muro
3360	416950.243	4585236.700	27.341	muro
3361	416950.669	4585235.594	26.887	muro
3362	416950.616	4585235.607	23.831	muro
3363	416950.811	4585236.685	23.775	muro
3364	416950.760	4585236.710	23.038	muro
3367	416950.986	4585235.388	28.640	muro
3368	416946.305	4585246.873	28.700	muro

Actuación B - Marco Ramal 1 P.K. 1+800

3187	417076.580	4584903.941	24.382	
3188	417081.513	4584904.505	24.166	
3189	417076.593	4584903.950	25.075	
3190	417076.999	4584902.984	25.515	
3191	417079.439	4584897.427	25.516	
3192	417079.862	4584896.464	25.067	
3193	417079.874	4584896.463	23.877	
3194	417083.896	4584896.914	23.842	
3195	417079.042	4584895.860	25.565	
3196	417079.695	4584896.321	26.373	
3198	417079.821	4584896.465	26.447	
3199	417076.510	4584904.002	26.441	
3200	417076.504	4584903.966	26.366	
3201	417076.060	4584904.138	26.361	
3202	417075.413	4584904.425	25.825	

Actuación C – Marco C-1413 (Riera Vallvidrera)

2153	417160.972	4585663.548	25.446	muro
2154	417163.980	4585656.546	24.544	muro
2193	417168.333	4585654.318	24.739	rell
2314	417168.364	4585646.182	25.630	marco
2315	417168.843	4585646.472	25.632	marco
2316	417174.321	4585649.385	28.676	marco
2317	417174.346	4585649.392	28.813	marco
2318	417174.864	4585649.639	28.821	marco
2319	417174.483	4585649.725	29.296	marco
2320	417169.773	4585659.434	29.298	marco
2321	417168.728	4585658.916	28.275	marco
2322	417164.490	4585656.816	25.657	marco
2323	417164.015	4585656.559	25.637	marco

2324	417162.533	4585659.969	25.626	marco
2325	417169.927	4585659.528	27.106	marco
2326	417170.366	4585658.662	28.084	marco
2327	417170.400	4585658.685	28.254	marco
2328	417174.489	4585650.488	28.242	marco
2329	417174.465	4585650.486	28.087	marco
2330	417174.800	4585649.725	27.239	marco
2331	417174.796	4585649.613	27.214	marco
2332	417174.847	4585649.607	24.613	marco
2333	417186.518	4585655.550	24.381	marco
2334	417182.035	4585665.638	24.664	marco
2335	417169.957	4585659.544	24.637	marco
2671	417231.841	4585691.687	30.414	muro
2672	417238.038	4585681.372	30.389	muro
2673	417237.910	4585681.709	30.151	muro
2674	417239.222	4585681.722	29.633	muro
2675	417238.079	4585681.064	30.123	ct
2737	417237.457	4585698.317	25.008	ct
2762	417237.684	4585683.372	24.487	rell
2763	417235.516	4585687.291	24.886	rell
2765	417238.612	4585681.781	24.432	ct
2766	417243.934	4585682.058	24.906	rell
2782	417237.304	4585698.415	26.050	muro
2783	417236.990	4585697.998	26.092	muro
2784	417231.945	4585691.814	30.181	muro
2785	417231.607	4585691.420	30.243	muro
2786	417231.611	4585691.381	25.366	muro
2787	417237.559	4585681.612	24.462	muro
2788	417237.475	4585681.630	30.248	muro
2789	417237.938	4585681.651	30.226	muro
2790	417245.441	4585681.873	27.056	muro
2791	417244.132	4585681.849	27.627	muro
2792	417237.428	4585681.782	29.114	marco
2793	417236.629	4585683.072	29.412	marco
2794	417232.448	4585689.961	29.402	marco
2795	417231.709	4585691.242	29.098	marco
2796	417231.715	4585691.210	24.883	marco
2797	417221.913	4585686.155	24.795	marco
2798	417226.672	4585676.318	24.574	marco
2799	417237.473	4585681.791	24.243	marco
2800	417169.370	4585659.234	28.810	marco
2801	417169.768	4585659.430	28.810	marco

Actuación C – Marco Ramal 2 P.K. 2+520

2881	417358.386	4585218.859	26.619	muro
2907	417369.063	4585217.283	31.201	muro
2908	417368.698	4585217.228	31.230	muro
2909	417373.262	4585207.226	31.138	muro
2910	417372.959	4585207.070	31.161	muro
2911	417372.324	4585206.272	31.153	muro
2916	417366.465	4585198.932	26.569	muro
2917	417367.710	4585217.384	31.230	muro
1	417425.252	4585205.410	31.170	
2	417422.345	4585212.303	31.290	
3	417417.709	4585223.637	31.240	
4	417415.671	4585228.733	31.100	
5	417432.279	4585211.399	26.390	
6	417520.776	4585416.320	25.730	
7	417422.300	4585213.133	25.820	
8	417418.293	4585222.783	25.750	
9	417512.545	4585427.562	25.540	
10	417514.525	4585430.065	25.510	
11	417518.424	4585434.938	26.020	
12	417418.312	4585222.809	29.860	
13	417418.127	4585222.528	30.250	
14	417418.404	4585222.636	30.520	
15	417420.633	4585217.249	30.540	
16	417420.376	4585217.089	30.270	
17	417421.933	4585213.284	30.320	
18	417422.294	4585213.170	29.880	
19	417422.311	4585213.181	30.600	

Actuación E – Estructura Ramal 0 sobre Canal

2977	417923.989	4582444.738	20.061	muro
2978	417924.874	4582429.297	27.596	muro

2841	418264.765	4582689.108	32.842	lb
2842	418276.562	4582698.242	32.583	lb
2843	418290.001	4582708.657	32.313	lb
2844	418298.870	4582715.483	32.137	lb
2845	418307.843	4582711.933	31.970	calz
2846	418307.341	4582712.275	31.940	lb
2847	418304.565	4582709.380	32.066	junta
2848	418291.715	4582699.331	32.350	calz
2849	418291.347	4582699.794	32.362	lb
2850	418283.108	4582693.655	32.527	lb
2851	418274.886	4582687.904	32.712	lb
2852	418275.643	4582686.894	32.723	calz
2853	418264.088	4582677.973	32.883	calz
2854	418263.125	4582678.879	32.914	lb
2855	418249.970	4582668.713	33.108	lb
2856	418250.531	4582667.474	33.089	calz

Actuación E – Vano1 Puente Arco Ramal 3
Alzado Lateral

1007	418248.421	4582679.130	33.824	barrera
1008	418248.458	4582679.215	32.655	barrera
1009	418275.585	4582700.203	32.168	barrera
1010	418274.474	4582699.311	33.364	barrera
1011	418300.180	4582719.177	32.777	barrera
1012	418301.294	4582720.394	32.183	barrera
1013	418301.573	4582720.148	31.575	barrera
1027	418299.037	4582715.596	31.588	viga
1028	418285.314	4582704.973	31.844	viga
1029	418269.353	4582692.631	32.189	viga
1030	418252.450	4582679.543	32.525	viga
1031	418299.114	4582715.573	30.174	viga
1032	418289.735	4582708.362	30.298	viga
1033	418282.600	4582702.860	29.300	viga
1034	418276.729	4582698.319	27.308	viga
1035	418269.092	4582692.395	23.159	viga
1036	418268.706	4582692.121	31.663	viga
1037	418285.812	4582704.265	31.266	viga
1038	418285.860	4582705.373	30.912	viga
1039	418285.314	4582704.953	30.553	viga
1040	418278.726	4582699.880	28.801	viga
1041	418272.969	4582695.419	26.222	viga
1042	418268.819	4582692.207	23.745	viga
1043	418268.698	4582692.108	23.749	viga
1044	418266.230	4582690.212	32.255	viga
1045	418251.044	4582678.449	32.544	viga
1046	418251.770	4582679.008	31.970	viga
1047	418251.211	4582678.564	31.679	viga
1048	418251.731	4582678.979	31.238	viga
1049	418258.293	4582684.094	29.235	viga
1050	418262.794	4582687.554	27.121	viga
1051	418268.193	4582691.718	23.747	viga
1052	418268.336	4582691.839	31.657	viga
1053	418261.337	4582686.437	31.807	viga
1054	418268.314	4582691.826	23.754	viga
1055	418267.947	4582691.533	23.159	viga
1056	418261.460	4582686.531	27.092	viga
1057	418251.760	4582678.999	30.552	viga
1058	418245.480	4582674.127	31.226	viga

Actuación E – Estructura Ramal 4 P.K. 4+110

2338	418427.851	4583010.228	22.011	muro
2339	418427.769	4583010.624	22.018	muro
2340	418427.825	4583010.919	23.407	muro
2341	418427.887	4583011.209	23.375	muro
2342	418428.989	4583010.346	23.614	muro
2343	418429.349	4583008.823	23.692	muro
2344	418429.333	4583008.831	23.693	muro
2345	418428.968	4583009.320	23.662	muro
2346	418428.745	4583010.191	23.619	muro
2347	418429.347	4583007.572	23.935	junta
2348	418428.976	4583009.243	24.012	tablero
2349	418412.445	4583022.289	23.847	tablero

2350	418412.408	4583022.350	23.525	muro
2351	418412.716	4583022.755	23.477	muro
2352	418412.851	4583022.539	22.023	muro
2353	418412.934	4583022.157	22.039	muro
2354	418412.487	4583020.587	23.720	junta
2355	418431.872	4582996.100	24.389	junta
2356	418432.093	4582995.066	24.772	tablero
2357	418431.785	4582994.606	24.756	tablero
2358	418432.040	4582995.537	24.446	muro
2359	418432.172	4582995.081	24.487	muro
2360	418431.674	4582993.824	24.373	muro
2361	418431.587	4582994.198	24.470	muro
2362	418431.950	4582995.946	24.424	muro
2363	418432.385	4582995.261	24.468	muro
2364	418432.449	4582994.978	24.453	muro
2365	418431.468	4582994.366	22.990	muro
2366	418431.366	4582994.734	22.965	muro
2367	418415.401	4583007.562	24.503	tablero
2368	418415.158	4583008.773	24.462	tablero
2369	418414.990	4583009.478	24.295	junta
2370	418415.401	4583007.454	24.311	muro
2371	418415.531	4583006.964	24.331	muro
2372	418416.458	4583006.122	24.319	muro
2373	418416.562	4583005.877	24.198	muro
2374	418416.421	4583005.838	24.211	muro
2375	418415.259	4583006.864	24.319	muro
2376	418416.578	4583006.278	22.799	muro
2377	418416.488	4583006.640	22.826	muro
2408	418398.164	4583027.324	20.989	
2412	418418.289	4583017.658	23.933	cota
2413	418418.311	4583017.688	23.645	cota
2414	418418.320	4583017.701	23.401	cota
2415	418418.312	4583017.690	22.199	cota

Actuación E – Bóveda Ramal 5 P.K. 5+100

2472	418577.320	4582950.568	20.695	marco
2473	418587.916	4582957.342	20.435	marco
2479	418588.287	4582956.526	21.097	marco
2480	418588.860	4582954.028	22.516	marco
2481	418588.968	4582952.220	23.455	marco
2482	418588.903	4582951.068	23.988	marco
2483	418588.406	4582949.168	24.840	marco
2484	418586.865	4582947.230	25.356	marco
2485	418584.686	4582946.549	25.021	marco
2486	418582.617	4582946.860	24.229	marco
2487	418581.191	4582947.435	23.515	marco
2488	418579.806	4582948.234	22.701	marco
2489	418578.917	4582948.922	22.062	marco
2490	418595.156	4582944.950	20.735	marco
2491	418594.690	4582944.675	21.922	marco
2492	418594.288	4582944.434	22.616	marco
2493	418593.699	4582944.087	23.390	marco
2494	418592.762	4582943.532	24.249	marco
2495	418591.184	4582942.599	25.056	marco
2496	418589.780	4582941.774	25.289	marco
2497	418588.546	4582941.041	25.100	marco
2498	418586.771	4582939.980	24.213	marco
2499	418585.559	4582939.299	23.048	marco
2500	418584.839	4582938.840	21.911	marco
2501	418584.421	4582938.608	20.948	marco

Ampliación Puente Arco Metálico. Catenarias
FF.CC. existentes

1	418124.419	4582499.250	35.090	torre electrica
2	418124.420	4582499.248	35.091	torre electrica
3	418085.134	4582549.124	22.284	pilas
4	418088.597	4582544.782	22.281	pilas
5	418085.023	4582549.070	22.118	pilas
6	418088.469	4582544.612	22.112	pilas
7	418084.528	4582548.518	22.007	pilas
8	418085.039	4582547.837	22.006	pilas

9	418087.750	4582544.220	21.994	pilas
10	418088.500	4582543.643	22.006	pilas
11	418089.631	4582543.765	22.003	pilas
12	418085.244	4582547.382	20.493	pilas
13	418088.318	4582543.668	22.012	pilas
14	418051.845	4582515.259	29.457	estribos
15	418051.258	4582515.974	29.446	estribos
16	418061.732	4582522.066	27.079	estribos
17	418051.298	4582515.540	29.509	estribos
18	418051.272	4582515.516	29.612	estribos
19	418048.240	4582519.832	29.430	estribos
20	418047.722	4582520.531	29.430	estribos
21	418047.219	4582521.220	29.432	estribos
22	418047.550	4582520.418	29.520	estribos
23	418047.514	4582520.405	29.613	estribos
24	418051.638	4582515.506	29.458	estribos
25	418051.947	4582515.970	29.674	puente metalico
26	418053.579	4582517.224	29.715	puente metalico
27	418058.566	4582521.062	29.839	puente metalico
28	418061.619	4582523.410	29.926	puente metalico
29	418063.482	4582524.848	29.980	puente metalico
30	418066.207	4582526.953	30.064	puente metalico
31	418068.146	4582528.452	30.061	puente metalico
32	418069.396	4582529.415	29.999	puente metalico
33	418070.309	4582530.125	29.925	puente metalico
34	418071.616	4582531.156	29.778	puente metalico
35	418069.899	4582529.805	29.961	puente metalico
36	418071.725	4582531.236	29.764	puente metalico
37	418072.579	4582531.901	29.620	puente metalico
38	418074.353	4582533.280	29.267	puente metalico
39	418076.604	4582535.035	28.680	puente metalico
40	418078.689	4582536.686	27.995	puente metalico
41	418080.581	4582538.117	27.252	puente metalico
42	418071.730	4582531.231	29.763	puente metalico
43	418074.432	4582533.348	29.248	puente metalico
44	418077.144	4582535.437	28.518	puente metalico
45	418078.782	4582536.690	27.986	puente metalico
46	418081.252	4582538.595	26.966	puente metalico
47	418083.221	4582540.107	26.036	puente metalico
48	418085.205	4582541.636	24.989	puente metalico
49	418086.925	4582542.964	23.979	puente metalico
50	418088.606	4582544.230	22.912	puente metalico
51	418088.859	4582544.429	22.374	puente metalico
52	418071.940	4582544.978	27.657	catenaria
53	418073.848	4582540.138	27.666	catenaria
54	418075.809	4582535.163	27.745	catenaria
55	418071.948	4582526.841	31.691	catenaria
56	418080.360	4582523.598	28.204	catenaria
57	418082.407	4582518.399	28.533	catenaria
58	418083.651	4582515.243	28.773	catenaria
59	418082.521	4582514.782	29.553	catenaria
60	418079.509	4582513.611	28.374	catenaria
61	418078.112	4582517.100	28.119	catenaria
62	418076.395	4582521.485	27.854	catenaria
63	418074.660	4582525.922	27.641	catenaria
64	418072.908	4582530.381	27.488	catenaria
65	418071.187	4582534.761	27.387	catenaria
66	418069.516	4582539.010	27.346	catenaria
67	418067.661	4582543.723	27.352	catenaria
68	418065.725	4582548.648	27.414	catenaria
69	418063.940	4582553.169	27.544	catenaria
70	418060.646	4582570.414	30.474	catenaria
71	418051.168	4582566.777	30.558	catenaria
72	418060.052	4582551.612	27.540	catenaria
73	418063.683	4582542.355	27.352	catenaria
74	418065.546	4582537.608	27.339	catenaria
75	418067.270	4582533.214	27.380	catenaria
76	418069.003	4582528.794	27.481	catenaria
77	418070.727	4582524.393	27.630	catenaria
78	418072.461	4582519.974	27.837	catenaria
79	418074.197	4582515.537	28.095	catenaria
80	418072.952	4582511.021	29.540	catenaria
81	418068.597	4582504.381	28.212	catenaria
82	418066.482	4582509.864	28.057	catenaria
83	418066.483	4582509.865	28.056	catenaria
84	418063.522	4582517.513	27.974	catenaria
85	418060.580	4582525.116	27.972	catenaria

178	418175.757	4582620.055	22.901 pilas	3006	418124.418	4582499.253	35.090 BR
179	418175.904	4582619.805	22.898 pilas	3030	418282.960	4582719.003	20.949 BR
180	418177.759	4582617.361	22.895 pilas	3031	418277.749	4582676.259	21.781 BR
181	418178.788	4582615.968	22.888 pilas	3032	418057.437	4582520.193	29.811 INTERSECC
182	418179.327	4582615.275	22.897 pilas	3033	418054.545	4582517.968	29.739 INTERSECC
183	418179.658	4582614.874	22.907 pilas	3034	418061.327	4582523.186	29.918 INTERSECC
184	418180.006	4582614.642	22.916 pilas	3035	418068.907	4582529.038	30.024 INTERSECC
185	418180.687	4582614.478	22.905 pilas	3036	418067.214	4582527.732	30.063 INTERSECC
192	418176.612	4582620.212	23.050 pilas	3037	418072.374	4582531.741	29.655 INTERSECC
193	418176.724	4582620.267	23.218 pilas	3038	418076.033	4582534.592	28.829 INTERSECC
194	418179.376	4582615.291	22.910 pilas	3039	418062.267	4582500.263	28.640 catenaria
195	418180.331	4582615.711	23.215 pilas	3040	418056.974	4582503.187	29.674 arco metalico
196	418221.665	4582656.856	22.776 pilas	3041	418058.606	4582504.441	29.715 arco metalico
197	418221.761	4582655.256	22.764 pilas	3042	418059.572	4582505.185	29.739 arco metalico
198	418221.446	4582656.249	22.769 pilas	3043	418062.464	4582507.410	29.811 arco metalico
199	418222.992	4582653.686	22.768 pilas	3044	418063.593	4582508.279	29.839 arco metalico
200	418181.633	4582616.565	22.910 pilas	3045	418066.354	4582510.403	29.918 arco metalico
201	418225.402	4582650.531	22.769 pilas	3046	418066.646	4582510.627	29.926 arco metalico
202	418226.147	4582650.039	22.776 pilas	3047	418068.509	4582512.065	29.980 arco metalico
203	418226.720	4582650.036	22.784 pilas	3048	418069.151	4582512.562	30.000 arco metalico
210	418222.453	4582655.711	22.891 pilas	3049	418071.234	4582514.170	30.064 arco metalico
211	418226.012	4582651.123	22.883 pilas	3050	418072.241	4582514.949	30.063 arco metalico
212	418226.167	4582651.216	23.072 pilas	3051	418073.173	4582515.669	30.061 arco metalico
300	418181.628	4582616.563	22.911 pilas	3052	418073.934	4582516.255	30.024 arco metalico
301	418181.625	4582616.561	22.913 pilas	3053	418074.423	4582516.632	29.999 arco metalico
302	418181.128	4582616.221	23.049 pilas	3054	418074.927	4582517.022	29.961 arco metalico
303	418180.885	4582616.102	23.223 pilas	3055	418075.336	4582517.342	29.925 arco metalico
304	418180.217	4582618.511	22.905 pilas	3056	418076.643	4582518.373	29.778 arco metalico
305	418178.935	4582620.238	22.904 pilas	3057	418076.752	4582518.453	29.764 arco metalico
306	418178.030	4582621.407	22.915 pilas	3058	418077.401	4582518.958	29.655 arco metalico
307	418177.252	4582621.913	22.913 pilas	3059	418077.606	4582519.118	29.620 arco metalico
308	418177.445	4582620.799	23.053 pilas	3060	418079.380	4582520.497	29.267 arco metalico
309	418177.279	4582620.658	23.227 pilas	3061	418079.459	4582520.565	29.248 arco metalico
310	418227.256	4582650.355	22.819 pilas	3062	418081.060	4582521.809	28.829 arco metalico
311	418226.554	4582650.569	22.814 pilas	3063	418081.631	4582522.252	28.680 arco metalico
312	418227.557	4582651.600	22.808 pilas	3064	418082.171	4582522.654	28.518 arco metalico
313	418227.354	4582652.328	22.787 pilas	3065	418083.716	4582523.903	27.995 arco metalico
314	418226.845	4582651.709	22.901 pilas	3066	418085.608	4582525.334	27.252 arco metalico
315	418226.722	4582651.607	23.075 pilas	3067	418086.279	4582525.812	26.966 arco metalico
316	418226.068	4582654.002	22.788 pilas	3068	418088.248	4582527.324	26.036 arco metalico
317	418225.523	4582654.781	22.778 pilas	3069	418090.232	4582528.853	24.989 arco metalico
318	418224.972	4582655.512	22.776 pilas	3070	418091.952	4582530.181	23.979 arco metalico
319	418223.813	4582656.967	22.780 pilas	3071	418093.633	4582531.447	22.912 arco metalico
320	418223.234	4582657.384	22.788 pilas	3072	418093.886	4582531.646	22.374 arco metalico
321	418223.288	4582656.294	22.901 pilas				
322	418223.147	4582656.243	23.072 pilas				
323	418267.566	4582692.111	22.189 pilas				
324	418267.761	4582690.753	22.181 pilas				
325	418269.569	4582688.412	22.192 pilas				
326	418270.803	4582686.846	22.192 pilas				
327	418271.376	4582686.130	22.195 pilas				
328	418272.035	4582685.680	22.202 pilas				
329	418273.115	4582685.880	22.212 pilas				
330	418273.291	4582687.666	22.207 pilas				
331	418273.043	4582688.003	22.202 pilas				
332	418272.595	4582688.557	22.202 pilas				
333	418272.246	4582688.993	22.199 pilas				
334	418268.717	4582690.972	22.293 pilas				
335	418268.638	4582690.929	22.476 pilas				
336	418272.490	4582686.466	22.204 pilas				
337	418272.459	4582686.525	22.296 pilas				
338	418272.480	4582686.542	22.469 pilas				
339	418297.877	4582715.005	29.895 estribos				
340	418298.304	4582714.457	29.897 estribos				
341	418298.734	4582713.878	29.894 estribos				
342	418298.501	4582714.536	29.962 estribos				
343	418298.556	4582714.576	30.098 estribos				
344	418301.428	4582710.422	29.878 estribos				
345	418301.796	4582709.961	29.882 estribos				
346	418302.287	4582709.295	29.894 estribos				
347	418301.942	4582710.071	29.963 estribos				
348	418301.978	4582710.121	30.094 estribos				
3001	418087.995	4582535.082	20.075 BR				
3002	418107.634	4582540.778	20.463 BR				
3003	418113.636	4582581.666	19.365 BR				
3004	418126.072	4582595.442	19.482 BR				
3005	418121.980	4582559.810	19.420 BR				

3.12.4.- Puntos tomados de servicios existentes

P.K: autovías

7106	418363.208	4583180.179	24.881	b23-pk9
7107	416558.458	4586447.805	34.177	a2-pk598
7111	417146.000	4585893.811	36.109	ap2-pk12

Via AVE

3550	416915.589	4585491.816	32.266	CARRIL
3551	416917.123	4585491.988	32.261	CARRIL
3552	416921.811	4585488.306	32.232	CARRIL
3553	416924.008	4585486.612	32.210	CARRIL
3554	416899.410	4585537.715	32.584	CARRIL
3555	416900.993	4585537.748	32.579	CARRIL
3556	416904.349	4585537.850	32.580	CARRIL
3557	416905.929	4585537.899	32.575	CARRIL
3558	416883.399	4585583.180	32.912	CARRIL
3559	416884.331	4585585.064	32.909	CARRIL
3560	416886.457	4585588.651	32.948	CARRIL
3561	416887.302	4585590.782	32.940	CARRIL
4407	416902.249	4585534.260	32.540	CARRIL
4408	416903.151	4585541.297	32.604	CARRIL
4409	416904.494	4585542.023	32.594	CARRIL
4410	416913.019	4585499.247	32.317	CARRIL
4411	416913.839	4585501.443	32.327	CARRIL
4412	416915.535	4585506.238	32.360	CARRIL
4413	416916.295	4585508.612	32.368	CARRIL
4414	416920.756	4585477.333	32.162	CARRIL
4415	416921.923	4585478.544	32.166	CARRIL
4416	416924.406	4585481.121	32.183	CARRIL
4417	416925.574	4585482.334	32.185	CARRIL
4418	416929.206	4585453.390	31.993	CARRIL
4419	416930.831	4585453.312	31.984	CARRIL
4420	416934.280	4585453.149	31.990	CARRIL
4421	416935.903	4585453.071	31.977	CARRIL
4422	416936.418	4585432.958	31.844	CARRIL
4423	416938.431	4585431.780	31.831	CARRIL
4424	416942.250	4585430.564	31.828	CARRIL
4425	416944.123	4585429.778	31.815	CARRIL
4426	416944.037	4585411.378	31.689	CARRIL
4427	416946.312	4585409.450	31.674	CARRIL
4428	416951.170	4585405.319	31.654	CARRIL
4429	416952.956	4585404.771	31.641	CARRIL

Servicios existentes

1001	416970.321	4585220.608	24.081	arqueton
1002	416967.001	4585219.292	24.094	arqueton
1003	416967.825	4585224.063	24.069	arqueton
1004	416969.539	4585223.154	24.102	arqueton
1005	416969.401	4585221.705	24.887	pozsan
1006	416962.679	4585218.667	23.991	respiradero
1007	416963.308	4585246.446	24.651	arqueton
1008	416962.214	4585243.729	24.661	arqueton
1009	416960.600	4585244.364	24.674	arqueton
1010	416961.690	4585247.047	24.657	arqueton
1011	416973.710	4585240.824	24.927	pozsan
1012	416969.467	4585276.722	25.618	arqueton
1013	416969.774	4585275.025	25.618	arqueton
1014	416968.062	4585274.699	25.637	arqueton
1015	416967.803	4585276.385	25.682	arqueton
1016	416932.809	4585396.055	26.907	pozsan
1017	416934.017	4585399.354	26.906	cun
1018	416934.166	4585399.377	26.617	cun
1019	416934.621	4585399.585	26.624	cun
1020	416934.764	4585399.612	26.911	cun
1021	416795.160	4585803.682	31.029	pozsan
1024	416801.966	4585784.799	30.588	cun
1025	416802.134	4585784.860	30.321	cun
1026	416802.579	4585784.989	30.307	cun
1027	416802.691	4585785.130	30.605	cun
1028	416717.827	4586055.712	27.592	clh
1029	416711.936	4586073.212	27.913	clh

1030	416701.714	4586094.115	28.112	clh
1031	416677.433	4586156.998	27.963	clh
1032	416677.481	4586158.314	28.504	pozo campsa
1033	416664.472	4586169.304	28.725	pozsan
1034	416708.561	4586067.600	28.032	pozsan
1035	416650.441	4586240.484	27.262	clh
1036	416634.110	4586272.073	27.320	pozsan
1037	416627.753	4586313.493	26.977	clh
1038	416619.398	4586319.074	28.568	pozsan
1039	416821.641	4585971.552	26.772	pozsan
1040	416833.732	4585918.307	26.904	pozsan
1041	416858.393	4585817.550	26.624	arqueton
1042	416857.470	4585820.542	26.665	arqueton
1043	416854.668	4585819.655	26.785	arqueton
1044	416855.562	4585816.818	26.772	arqueton
1045	416904.427	4585689.473	26.337	pozsan
1046	416901.769	4585665.701	26.543	clh
1047	416918.783	4585646.819	26.407	pozsan
1048	416938.857	4585584.776	26.407	pozsan
1049	416931.783	4585576.966	26.350	clh
1050	416941.979	4585553.985	25.887	muro clh
1051	416936.289	4585552.046	26.014	muro clh
1052	416940.320	4585540.288	26.041	muro clh
1053	416945.990	4585542.261	25.857	muro clh
1054	416957.644	4585533.197	25.794	pozsan
1055	416971.845	4585491.829	25.600	pozsan
1056	416971.400	4585467.465	25.405	clh
1058	416985.676	4585451.040	25.237	pozsan
1059	416990.286	4585411.792	25.269	pozsan
1060	416996.123	4585409.710	25.295	arqueton
1061	416997.109	4585406.582	25.228	arqueton
1062	417000.013	4585407.634	25.329	arqueton
1063	416999.001	4585410.645	25.276	arqueton
1064	416998.998	4585410.652	25.271	arqueton
1065	417001.119	4585409.273	25.365	pozsan
1066	417051.699	4585263.486	25.482	pozsan
1067	416844.043	4585262.863	23.125	tubo1000
1068	416837.036	4585260.017	23.171	tubo 600
1069	416996.447	4585026.515	25.591	gas nat
1070	416993.489	4585025.131	25.971	gas nat
1071	416985.411	4585018.710	25.946	gas nat
1072	416991.603	4584981.964	25.855	gas nat
1073	416994.051	4584984.355	25.938	arqgasnat
1074	416995.533	4584985.638	25.816	gas nat
1075	417008.194	4584881.574	26.084	gas nat
1076	417072.882	4584891.113	26.531	gas nat
1077	417079.869	4584896.470	26.398	muro
1078	417076.547	4584903.995	26.384	muro
1079	417051.189	4584914.255	26.572	pozsan
1080	418482.633	4583007.386	21.776	pozsan
1081	418544.288	4582967.517	20.555	pozsan
1082	418582.055	4582956.439	20.681	pozsan
1083	418517.528	4582987.541	20.629	pozsan
1084	418613.069	4582905.340	20.415	pozsan
1085	418616.800	4582902.800	20.388	enagas
1086	418620.393	4582911.846	20.384	gas nat
1087	418619.554	4582923.941	20.744	enagas
1088	418618.246	4582923.173	21.194	enagas
1089	418585.097	4582973.071	20.062	gas nat
1090	418587.650	4582976.014	19.892	enagas
1091	418565.063	4583017.572	20.377	enagas
1092	418529.580	4583047.732	20.553	enagas
1093	418541.647	4583057.781	20.436	enagas
1094	418538.868	4583055.313	20.701	gas nat
1095	418380.327	4582665.896	22.479	arqueton
1096	418379.454	4582666.251	22.462	arqueton
1097	418379.186	4582665.608	22.470	arqueton
1098	418379.298	4582665.282	22.472	arqueton
1099	418379.944	4582665.012	22.484	arqueton
1100	417920.900	4582480.790	19.644	cun
1101	417922.632	4582480.909	18.670	cun
1102	417925.056	4582480.653	18.570	cun
1103	417925.727	4582480.309	18.926	cun
1104	417917.436	4582506.230	19.906	pozsan
1105	417915.904	4582515.694	19.737	cun
1106	417917.080	4582515.901	19.101	cun
1107	417917.585	4582516.080	18.714	cun

1108	417919.801	4582516.807	18.713	cun
1109	417920.378	4582516.994	19.081	cun
1110	417915.288	4582433.738	20.221	pozsan
1111	417930.317	4582410.593	19.883	pozsan
1112	417949.602	4582395.476	19.900	pozsan
1113	417946.782	4582387.455	20.530	pozsan
1114	417887.238	4582436.761	21.083	pozsan
1115	417892.626	4582416.455	20.365	cun
1116	417889.757	4582418.318	18.844	cun
1117	417888.926	4582418.876	18.172	cun
1118	417887.469	4582420.064	18.126	cun
1119	417886.375	4582420.591	18.908	cun
1120	418019.063	4582282.192	19.769	pozsan
1121	418022.990	4582285.430	19.115	arqueton
1122	418021.636	4582284.538	18.944	arqueton
1123	418020.380	4582286.396	18.858	arqueton
1124	418021.758	4582287.300	19.148	arqueton
1125	417031.260	4584973.999	24.659	of 1710 400
1126	416997.824	4585035.376	25.374	of 1670 400
1127	417323.098	4585320.985	30.040	
1128	417321.421	4585325.496	30.169	
1129	417170.196	4585642.185	24.736	gas nat
1130	417170.736	4585632.528	25.215	gas nat
1131	417171.418	4585641.620	25.647	transf
1132	417173.618	4585642.723	25.628	transf
1133	417169.730	4585644.766	25.634	transf
1134	417171.927	4585645.880	25.599	transf
1135	417171.672	4585644.447	27.941	cota
1136	417162.556	4585659.375	25.045	gas nat
1137	417142.401	4585659.662	25.299	arqueton
1138	417143.430	4585657.687	25.322	arqueton
1139	417141.432	4585656.642	25.324	arqueton
1140	417140.393	4585658.647	25.302	arqueton
1141	417142.268	4585674.010	25.351	gas nat
1142	417121.661	4585715.532	25.632	gas nat
1143	417097.351	4585769.664	25.878	gas nat
1144	417103.644	4585751.712	25.749	gas nat
1145	417095.237	4585775.427	26.956	gas nat
1146	417094.707	4585776.821	26.853	gas nat
1147	417097.586	4585783.297	26.465	gas nat
1148	417077.010	4585801.100	25.907	arq
1149	417080.145	4585831.634	27.104	gas nat
1150	417075.185	4585831.392	26.269	gas nat
1151	417045.864	4585790.006	25.477	enagas
1152	417045.434	4585789.884	25.411	enagas
1153	417062.115	4585796.571	25.814	arq
1154	417069.028	4585712.366	24.767	enagas
1155	417116.329	4585665.366	25.039	enagas
1156	417112.181	4585651.988	24.952	cilindro fibra
1157	417111.777	4585652.836	24.921	cilindro fibra
1158	417111.173	4585651.960	24.916	cilindro fibra
1159	417107.599	4585584.717	24.339	arqueton
1160	417107.945	4585583.077	24.338	arqueton
1161	417106.309	4585582.761	24.322	arqueton
1162	417105.973	4585584.372	24.331	arqueton
1163	417090.207	4585667.577	28.281	tat
1164	417091.159	4585667.893	28.235	tat
1165	417090.870	4585668.826	28.269	tat
1166	417089.918	4585668.525	28.304	tat
1167	417072.614	4585737.935	27.815	tat
1168	417072.363	4585738.873	27.790	tat
1169	417071.402	4585738.609	27.843	tat
1170	417071.615	4585737.633	27.898	tat
1171	417123.114	4585678.142	25.264	dest
1175	417112.714	4585601.100	42.302	cable
1176	417107.558	4585615.538	40.920	cable
1177	417107.570	4585615.514	40.938	cable
1178	417100.568	4585635.130	40.394	cable
1179	417094.698	4585651.557	41.103	cable
1180	417089.175	4585667.028	42.734	cable
1181	417088.760	4585668.322	42.737	cable
1183	417084.455	4585684.402	41.141	cable
1184	417080.713	4585698.450	40.453	cable
1185	417075.444	4585718.148	40.622	cable
1186	417070.334	4585737.232	42.043	cable
1187	417114.071	4585601.241	30.819	tat
1188	417114.832	4585601.485	30.765	tat

1269	417968.556	4582259.065	25.903	tat	1352	416957.350	4585586.585	24.397	transf	692	416969.576	4585561.429	24.185	PH	799	418616.403	4582985.943	20.415	ARQ
1270	417976.118	4582265.151	25.859	tat	1353	416958.453	4585581.644	24.379	transf	693	416969.421	4585561.921	24.255	PH	800	418617.133	4582986.652	20.449	ARQ
1271	417982.213	4582257.759	25.872	tat	1354	416954.739	4585585.721	25.237	transf	694	416969.285	4585561.336	24.237	PH	801	418616.589	4582987.229	20.412	ARQ
1272	416319.364	4585328.654	30.581	gas nat	1355	416957.102	4585586.239	24.414	transf	695	416970.183	4585567.672	23.841	AUXILIAR1	802	418615.820	4582986.560	20.440	ARQ
1273	416342.293	4585315.584	30.266	gas nat	1356	416958.079	4585581.845	24.376	transf	696	416968.290	4585572.944	23.851	AUXILIAR2	803	418616.376	4582986.650	20.714	COTA
1275	416370.462	4585311.552	29.812	pozsan	1357	416965.824	4585566.871	29.891	edif	697	416968.076	4585573.575	23.818	AUXILIAR3	804	418510.527	4583045.942	20.552	TM
1276	416386.751	4585314.410	29.705	pozsan	1358	416965.064	4585568.152	29.882	edif	698	416967.392	4585575.577	23.870	AUXILIAR4	805	418509.877	4583044.993	20.419	TM
1277	416401.735	4585317.795	29.474	pozsan	1359	416963.694	4585567.878	29.862	edif	699	417892.976	4582427.724	19.811	OF	806	418508.934	4583045.631	20.665	TM
1278	416403.328	4585315.095	29.485	pozsan	1360	416965.489	4585567.794	26.604	edif	700	417893.027	4582427.452	19.667	OF	807	418509.556	4583046.595	20.599	TM
1279	416406.519	4585322.337	29.332	pozsan	1361	416964.034	4585571.186	26.608	edif	701	417893.076	4582427.495	20.408	OF	808	417819.105	4584277.285	23.973	POZO
1280	416398.801	4585322.339	29.618	gas nat	1362	416961.844	4585570.277	26.619	edif	702	417893.048	4582427.674	20.426	OF	809	417819.583	4584276.014	23.901	POZO
1281	416397.874	4585321.896	29.561	bincen	1363	416962.907	4585571.924	26.417	edif	703	417895.015	4582428.096	20.069	OF	810	417817.464	4584276.648	24.963	POZO
1282	416398.640	4585321.156	29.554	arqap	1364	416962.336	4585574.411	26.302	edif	704	417894.965	4582428.041	20.436	OF	811	417817.911	4584275.417	24.499	POZO
1283	416426.178	4585334.260	29.275	gas nat	1366	416960.579	4585574.022	25.616	edif	705	417894.967	4582427.883	20.440	OF	812	417818.356	4584276.157	25.243	COTA
1284	416426.915	4585334.565	29.237	arqgas	1367	416965.184	4585570.004	23.803	rell	706	417897.771	4582424.343	20.010	OF	888	417556.109	4584984.620	25.739	TM
1285	416426.780	4585335.035	29.253	arqgas	42055	415334.725	4585718.334	268.588	of1670 400	707	417897.570	4582424.354	20.271	OF	889	417554.755	4584982.444	25.752	TM
1286	416427.039	4585335.253	29.213	arqgas	42067	418490.839	4589321.702	341.988		708	417897.792	4582424.317	20.014	OF	938	417552.599	4584983.678	25.737	TM
1287	416449.813	4585285.571	29.022	gas nat	2710	416796.613	4586052.882	26.981	clh	709	417897.027	4582422.464	19.918	OF	939	417090.176	4585667.563	28.278	TM
1288	416454.012	4585289.734	28.938	pozsan	2711	416798.678	4586041.451	27.107	clh	710	417896.988	4582422.513	20.262	OF	940	417091.179	4585667.907	28.232	TM
1289	416497.513	4585310.542	28.279	pozsan	2712	416802.838	4586011.039	26.961	clh	711	417896.832	4582422.581	20.275	OF	941	417090.795	4585668.867	28.278	TM
1290	416513.377	4585320.352	27.962	pozsan	2713	416704.094	4585308.449	26.754	pozsan	712	417896.825	4582422.544	19.737	OF	942	417089.897	4585668.535	28.331	TM
1291	416543.788	4585330.231	27.767	pozsan	2714	416734.244	4585287.583	26.645	pozsan	713	417897.261	4582424.269	19.447	OF	943	417449.577	4584967.055	28.800	RG
1292	416549.320	4585333.839	27.646	pozsan	2715	416766.663	4585265.477	26.111	pozsan	714	417896.929	4582424.709	19.229	OF	944	417572.500	4584662.710	30.857	FAROLA
1293	416592.488	4585335.446	27.489	pozsan	2716	416831.102	4585258.380	26.104	pozsan	715	417895.376	4582422.886	18.916	OF	945	417558.672	4584682.765	30.064	FAROLA
1294	416957.852	4585552.925	26.143		2717	416677.098	4585313.098	27.459	pozsan	716	417889.910	4582418.439	18.880	OF	946	417550.082	4584721.425	27.674	FAROLA
1298	416947.320	4585470.603	40.775	post cat	2718	416656.287	4585318.235	26.776	pozsan	717	417889.545	4582419.528	18.171	OF	947	417538.101	4584758.708	26.819	FAROLA
1299	416942.637	4585441.338	40.443	post cat	2719	416655.413	4585328.890	27.207	pozsan	718	417888.571	4582420.787	18.149	OF	948	417525.675	4584795.539	27.355	FAROLA
1300	416932.297	4585437.558	40.451	post cat	2720	416592.489	4585335.402	27.526	pozsan	719	417887.670	4582421.586	18.939	OF	949	418483.865	4582959.741	20.832	TM
1301	416937.621	4585467.210	39.844	post cat	2721	417472.190	4584670.430	23.628	enagas	720	417895.457	4582426.858	19.294	OF	950	418482.740	4582960.141	20.844	TM
1302	416913.938	4585489.527	40.796	post cat	2722	417474.925	4584678.162	23.834	enagas	721	417894.945	4582427.643	19.631	OF	951	418483.503	4582958.713	20.765	BASE
1303	416924.699	4585493.298	40.828	post cat	2723	417476.896	4584685.230	23.885	gas nat	722	417882.313	4582417.285	18.904	OF	952	418482.381	4582959.000	20.916	TM
1304	416919.712	4585517.897	40.181	post cat	2724	417313.839	4585212.656	28.609	enagas	723	417882.961	4582416.246	18.160	OF	953	417750.096	4584499.057	23.624	RG
1305	416929.257	4585521.549	40.192	post cat	2725	417299.011	4585302.435	25.674	enagas	724	417883.922	4582415.071	18.133	OF	954	417749.403	4584479.007	23.315	TUBO
1306	416897.281	4585536.536	41.143	post cat	2726	417274.466	4585380.748	26.661	enagas	725	417884.856	4582414.199	18.962	OF	955	417749.001	4584478.905	23.450	TUBO
1307	416908.075	4585540.429	41.145	post cat	2727	417273.593	4585387.646	26.838	gas nat	726	417896.813	4582424.814	18.121	OF	956	417751.149	4584472.852	23.512	TUBO
1308	416899.699	4585574.700	41.490	post cat	2728	417241.910	4585454.108	26.298	enagas	727	417895.579	4582426.726	18.413	OF	957	417750.684	4584472.749	23.753	TUBO
1309	416909.359	4585578.063	41.450	post cat	2729	417240.097	4585458.195	26.320	enagas	728	417896.219	4582425.788	18.336	EJE					
1310	416880.643	4585583.761	41.475	post cat	2730	417241.123	4585462.090	26.313	gas nat	729	417817.390	4582362.299	19.046	ACEQUIA					
1311	416891.464	4585587.539	41.486	post cat	2731	417211.575	4585443.561	25.946	enagas	730	417817.694	4582361.184	18.314	ACEQUIA	Gálibos de líneas eléctricas				
1312	416889.842	4585633.786	40.962	post cat	2732	417247.464	4585320.626	25.819	enagas	731	417818.594	4582359.804	18.333	ACEQUIA	1804	4582252.301	417986.598	62.590	1i
1313	416880.184	4585630.413	40.959	post cat	2	416421.818	4586633.934	31.327	POZO	732	417819.315	4582358.739	19.094	ACEQUIA	1805	4582261.725	417997.707	59.920	1
1314	416874.891	4585634.675	41.779	post cat	3	416419.355	4586632.400	31.404	POZO	733	417785.900	4582337.254	19.118	ACEQUIA	1806	4582274.544	418012.810	56.550	1
1315	416864.095	4585630.930	41.766	post cat	4	416417.754	4586634.857	31.481	POZO	734	417786.476	4582336.692	18.509	ACEQUIA	1807	4582282.517	418022.195	54.590	1
1316	416943.020	4585472.563	37.343	cable	5	416420.241	4586636.446	31.654	POZO	735	417787.715	4582335.125	18.556	ACEQUIA	1809	4582253.456	417987.976	62.250	1i
1317	416934.345	4585497.655	37.496	cable	6	416399.496	4586664.116	32.649	SIFON	736	417788.061	4582334.348	19.131	ACEQUIA	1810	4582270.991	417971.552	62.620	2i
1318	416926.410	4585520.710	37.698	cable	7	416398.711	4586663.649	32.599	SIFON	737	417764.545	4582318.506	19.402	ARQ	1811	4582290.862	417994.961	57.150	2
1319	416917.300	4585545.793	37.837	cable	8	416399.019	4586664.918	32.658	SIFON	738	417763.918	4582319.744	19.344	ARQ	1812	4582270.066	418007.504	57.700	2
1320	416907.265	4585573.514	38.062	cable	9	416398.197	4586664.422	32.718	SIFON	739	417763.132	4582317.835	19.590	ARQ	1813	4582280.222	418019.492	55.130	1
1321	416898.668	4585598.631	38.184	cable	10	416321.828	4586785.526	32.925	FAROLA	740	417762.541	4582319.149	19.450	ARQ	1818	4582297.389	418041.105	50.260	1
1322	416878.077	4585645.427	38.514	cable	11	416355.338	4586743.238	32.864	FAROLA	741	417746.352	4582298.773	19.194	ACEQUIA	1819	4582299.959	418044.373	49.760	1
1323	416883.869	4585628.884	38.429	cable	12	416387.646	4586700.497	32.752	FAROLA	742	417746.958	4582298.336	18.560	ACEQUIA	1820	4582323.574	418032.566	49.270	1
1324	416893.074	4585601.913	38.215	cable	13	416419.563	4586656.330	32.848	FAROLA	743	417748.297	4582297.143	18.642	ACEQUIA	1821	4582320.613	418029.162	49.990	1
1325	416903.095	4585572.643	38.060	cable	16	416568.355	4586234.795	27.819	PH	744	417748.728	4582296.694	19.209	ACEQUIA	1823	4584545.002	417600.921	48.420	1i
1326	416909.853	4585																	

1851	4584729.453	417667.354	52.470	1f
1852	4584730.676	417666.820	52.780	1i
1853	4584739.272	417663.067	52.940	1
1854	4584754.056	417657.700	50.300	1
1855	4584766.871	417653.385	50.500	1f
1856	4584759.157	417645.924	39.720	1i
1857	4584758.705	417645.382	39.710	1
1858	4584750.356	417636.358	39.370	1
1859	4584747.725	417634.025	39.250	1f
1861	4584888.169	417609.166	51.610	1i
1862	4584985.600	417554.057	47.190	2i
1863	4584984.757	417545.653	45.720	2
1864	4584983.835	417537.941	44.530	2
1865	4584983.224	417533.231	43.900	2
1866	4584982.594	417527.899	43.260	2
1867	4584981.795	417520.934	42.530	2
1868	4584980.472	417510.300	41.770	2
1869	4584978.824	417496.273	41.240	2
1870	4584975.863	417472.404	41.710	2
1871	4584973.458	417455.184	43.090	2
1872	4584973.200	417452.703	43.350	2
1873	4584970.985	417435.932	45.680	2f
1876	4584881.228	417611.735	50.280	1
1877	4584866.776	417617.028	47.900	1
1879	4585739.358	417073.453	42.060	1i
1880	4585750.987	417070.486	41.250	1
1881	4585762.240	417067.603	40.820	1
1882	4585772.651	417064.884	40.760	1f
1883	4585776.296	417060.339	40.750	1i
1884	4585759.518	417064.672	40.800	1
1885	4585744.776	417068.444	41.540	1
1886	4585738.527	417070.052	42.060	1f
1887	4585738.319	417071.945	43.070	pto
1888	4585738.134	417073.767	42.060	1i
1889	4585737.303	417070.366	42.040	2i
1890	4585727.800	417072.904	41.190	2
1891	4585728.823	417076.252	41.250	1
1892	4585713.156	417080.437	40.520	1f
1893	4585712.113	417077.096	40.450	2f
1895	4585927.458	417020.221	50.360	1i
1896	4585926.746	417024.830	50.370	2i
1897	4585940.461	417032.454	49.130	2
1898	4585941.356	417027.958	49.150	1
1899	4585949.694	417032.598	48.660	1
1900	4585948.050	417036.677	48.650	2
1901	4585956.683	417041.484	48.270	2
1902	4585959.173	417037.886	48.300	1
1903	4585968.209	417042.925	48.170	1
1904	4585964.911	417046.069	48.100	2
1905	4585971.168	417049.563	48.080	2
1906	4585975.081	417046.763	48.200	1
1907	4585982.928	417051.125	48.390	1
1908	4585978.313	417053.534	48.170	2
1910	4585988.418	417054.192	48.610	1f
1911	4585983.324	417056.321	48.310	2f
1913	4583045.407	418508.697	38.840	1i
1914	4583044.010	418510.775	38.800	2i
1915	4583024.329	418504.672	36.430	2
1916	4583021.287	418500.993	35.980	1
1917	4583010.771	418497.670	35.270	1
1918	4583012.832	418501.160	35.560	2
1919	4583005.239	418498.828	35.170	2
1920	4583003.877	418495.488	34.980	1
1921	4582995.919	418492.971	34.800	1
1922	4582996.432	418496.140	34.930	2
1923	4582985.903	418492.920	34.930	2
1924	4582986.475	418489.975	34.840	1
1925	4582980.735	418488.154	34.990	1
1926	4582979.463	418490.952	35.080	2
1927	4582973.827	418489.239	35.300	2
1928	4582975.728	418486.587	35.200	1
1929	4582968.613	418484.350	35.620	1
1930	4582965.790	418486.778	35.760	2
1931	4582959.971	418485.012	36.210	2f
1932	4582960.900	418481.923	36.230	1f
1936	4584796.652	417642.603	44.360	1
1939	4584812.704	417636.745	44.050	1

1940	4584830.000	417630.431	44.460	1
1941	4584838.181	417627.451	44.920	1
1942	4584845.157	417624.902	45.460	1
1943	4584642.849	417704.937	41.390	1
1944	4584638.645	417700.379	40.670	1
1945	4584631.905	417693.074	39.710	1
1946	4584628.202	417689.061	38.550	1f

Ampliación Gálibos de líneas eléctricas

1	417713.190	4584649.921	25.738	torrelec
3	417714.964	4584650.301	25.913	torrelec
5	417713.150	4584648.401	25.732	torrelec
10	417543.587	4584662.802	24.077	torrelec
11	417543.896	4584662.876	24.459	torrelec
12	417545.520	4584660.909	24.660	torrelec
13	417547.432	4584662.111	24.878	torrelec
20	417455.913	4584601.284	22.892	torrelec
21	417455.215	4584600.875	22.897	torrelec
22	417455.845	4584599.892	22.798	torrelec
23	417456.457	4584600.341	22.811	torrelec
25	417549.386	4584452.501	23.218	torrelec
26	417548.181	4584452.513	23.280	torrelec
27	417547.906	4584451.308	23.220	torrelec
28	417549.518	4584451.042	23.160	torrelec
30	417669.456	4584730.858	25.338	torrelec
31	417668.947	4584732.046	25.363	torrelec
32	417667.524	4584731.585	25.365	torrelec
33	417668.206	4584730.142	25.351	torrelec
34	417646.223	4584758.734	24.737	torrelec
35	417647.150	4584758.053	24.609	torrelec
36	417647.840	4584758.736	24.661	torrelec
37	417647.015	4584759.658	24.692	torrelec
38	417607.263	4584889.021	25.820	torrelec
39	417606.182	4584888.264	25.784	torrelec
40	417608.167	4584887.604	25.844	torrelec
42	417606.904	4584886.856	25.836	torrelec
43	417555.962	4584984.367	25.664	torrelec
44	417553.770	4584985.713	25.699	torrelec
45	417552.428	4584983.591	25.630	torrelec
46	417554.651	4584982.221	25.663	torrelec
50	417121.926	4586098.879	45.972	torrelec
51	417121.611	4586099.202	47.215	torrelec
52	417122.290	4586103.340	46.534	torrelec
53	417122.080	4586103.217	47.214	torrelec
54	417117.522	4586103.958	46.605	torrelec
55	417117.763	4586103.808	47.204	torrelec
56	417116.848	4586099.533	45.727	torrelec
57	417117.285	4586099.824	47.287	torrelec
58	417117.345	4586099.863	47.259	torrelec
60	417235.791	4585453.526	26.316	torrelec
61	417234.814	4585455.242	26.233	torrelec
62	417232.938	4585454.483	26.240	torrelec
63	417113.885	4585602.171	25.766	torrelec
64	417113.885	4585600.171	25.629	torrelec
65	417020.271	4585928.655	25.601	torrelec
66	417024.391	4585927.822	25.625	torrelec
67	417023.878	4585923.219	25.610	torrelec
68	417019.362	4585924.148	25.631	torrelec
69	417433.958	4584967.781	24.205	torrelec
70	417432.552	4584968.985	24.362	torrelec
71	417433.538	4584969.905	24.453	torrelec
75	417405.577	4585066.881	27.351	torrelec
76	417406.278	4585067.187	27.324	torrelec
78	417405.070	4585067.772	27.178	torrelec
79	417405.917	4585068.226	26.852	torrelec
80	417586.402	4584569.646	25.569	torrelec
81	417587.012	4584568.541	25.553	torrelec
82	417586.159	4584567.895	25.460	torrelec
83	417585.392	4584569.150	25.434	torrelec
84	417600.202	4584542.064	25.307	torrelec
85	417600.985	4584540.919	25.332	torrelec
86	417602.318	4584541.675	25.887	torrelec
87	417601.415	4584542.876	25.577	torrelec
3130	417530.556	4584732.695	24.440	torrelec
3131	417532.556	4584732.695	24.440	torrelec

3132	417532.556	4584730.695	24.440	torrelec
3133	417530.556	4584730.695	24.440	torrelec
3134	417976.422	4582266.321	18.747	torrelec
3135	417976.248	4582265.807	19.286	torrelec
3136	417967.168	4582258.965	18.740	torrelec
3137	417967.551	4582258.781	19.266	torrelec
3138	417974.318	4582250.098	18.828	torrelec
3139	417974.392	4582250.602	19.287	torrelec
3140	417983.300	4582258.058	18.731	torrelec
3141	417982.920	4582257.857	19.300	torrelec
3148	417976.191	4582258.617	69.304	POSTE
3149	418055.105	4582309.983	48.447	CAT
3150	418043.179	4582299.803	50.500	CAT
3151	418021.635	4582281.503	54.642	CAT
3152	418005.588	4582267.918	58.086	CAT
3153	417993.828	4582258.423	60.770	CAT
3154	417988.173	4582253.088	62.204	CAT
3155	417985.904	4582251.143	62.800	CAT
3156	418059.516	4582313.820	47.769	CAT
3157	418061.813	4582315.644	47.448	CAT
3158	417967.968	4582267.650	63.550	CAT
3160	417971.933	4582270.739	62.498	CAT
3161	417978.619	4582276.439	60.849	CAT
3162	417989.231	4582285.460	58.369	CAT
3163	418004.654	4582298.562	55.023	CAT
3164	418014.833	4582307.216	52.983	CAT
3165	418020.711	4582312.204	51.863	CAT
3166	417119.570	4586101.276	78.700	PT
3167	417085.990	4586045.377	55.353	CAT
3168	417082.913	4586039.845	54.340	CAT
3169	417067.972	4586013.163	50.527	CAT
3170	417061.186	4586000.971	49.390	CAT
3171	417054.523	4585989.051	48.628	CAT
3172	417020.016	4585927.287	50.306	CAT
3173	417037.744	4585958.944	48.269	CAT
3174	417050.798	4585982.332	48.344	CAT
3175	417038.897	4585960.975	48.222	CAT
3177	417022.044	4585926.479	56.373	POSTE
3178	417022.043	4585926.478	56.373	POSTE
3179	417117.385	4586101.379	69.999	CAT
3180	417116.888	4586100.850	69.756	CAT
3181	417112.585	4586093.125	67.285	CAT
3182	417107.504	4586084.005	64.563	CAT
3183	417102.188	4586074.462	61.939	CAT
3184	417096.169	4586063.658	59.236	CAT
3185	417091.300	4586054.910	57.286	CAT
3186	417163.926	4585620.442	41.037	POSTE
3187	417130.509	4585605.534	39.936	CAT
3188	417125.165	4585603.363	40.386	CAT
3189	417119.035	4585600.873	41.107	CAT
3190	417115.033	4585599.451	41.620	CAT
3191	417115.060	4585599.267	41.731	CAT
3192	417163.927	4585620.441	41.038	POSTE
3193	417114.457	4585601.176	42.889	POSTE
3194	417163.597	4585619.006	40.940	CAT
3195	417157.431	4585616.491	40.257	CAT
3196	417149.931	4585613.429	39.735	CAT
3197	417142.577	4585610.443	39.546	CAT
3198	417135.385	4585607.509	39.677	CAT
3199	417553.699	4584985.402	47.099	CAT
3200	417553.832	4584983.786	49.733	POSTE
3201	417606.834	4584888.216	56.444	POSTE
3202	417405.818	4585067.385	41.583	POSTE
3203	417433.530	4584969.255	51.123	POSTE
3204	417407.460	4585067.197	39.092	CAT
3205	417410.553	4585056.301	38.438	CAT
3206	417413.904	4585044.483	38.139	CAT
3207	417548.999	4584984.841	46.232	CAT
3208	417413.916	4585044.499	38.142	CAT
3209	417417.451	4585032.095	38.286	CAT
3210	417420.420	4585021.658	38.773	CAT
3211	417423.071	4585012.335	39.481	CAT
3212	417426.472	4585000.385	40.789	CAT
3213	417428.960	4584991.629	42.022	CAT
3214	417433.435	4584975.909	44.827	CAT
3215	417434.682	4584971.579	45.749	CAT
3216	417435.962	4584970.753	45.609	CAT

3314	417687.155	4584625.956	39.014	CAT	3415	416933.930	4585117.149	35.802	CAT	3504	416855.940	4585240.994	25.082	EMSA	3651	417163.516	4585621.305	25.360	torrelec
3316	417678.791	4584618.050	38.349	CAT	3416	416940.122	4585107.301	34.643	CAT	3505	416855.935	4585241.719	25.178	EMSA	3652	417165.516	4585621.305	25.360	torrelec
3317	417711.485	4584649.043	47.522	POSTE	3417	416946.058	4585097.852	33.800	CAT	3506	416856.673	4585241.135	25.208	EMSA	3653	417165.516	4585619.305	25.360	torrelec
3318	417652.352	4584593.074	38.137	CAT	3418	416952.099	4585088.265	33.219	CAT	3507	416856.150	4585240.430	25.172	EMSA	3654	417163.516	4585619.305	25.360	torrelec
3319	417629.813	4584571.866	40.259	CAT	3419	416957.130	4585080.247	32.942	CAT	3508	416855.409	4585241.099	25.132	EMSA	3655	417320.428	4585506.206	28.367	torrelec
3320	417620.337	4584562.879	41.783	CAT	3420	416961.792	4585072.814	32.852	CAT	3509	416853.927	4585253.499	23.439	ELECT	3656	417321.495	4585508.386	28.232	torrelec
3321	417613.851	4584556.803	43.040	CAT	3421	416965.326	4585067.186	32.890	CAT	3510	416850.670	4585252.677	23.557	ELECT	3657	417319.189	4585509.771	28.375	torrelec
3322	417603.893	4584547.324	45.325	CAT	3422	416866.716	4585222.319	37.878	CAT	3511	416845.435	4585250.113	23.865	ELECT	3658	417318.138	4585507.526	28.387	torrelec
3323	417600.743	4584544.341	46.127	CAT	3423	416964.975	4585065.808	34.321		3512	416840.582	4585247.413	24.132	ELECT	3659	417318.734	4585507.476	29.055	torrelec
3324	417599.714	4584544.034	46.080	CAT	3428	416966.386	4585065.594	32.879	CAT	3513	416836.925	4585245.500	24.373	ELECT	3660	417319.404	4585508.908	29.073	torrelec
3325	417587.986	4584563.577	40.946	CAT	3429	416969.727	4585060.414	32.670	CAT	3514	416865.220	4585222.652	25.374	torrelec	3661	417320.273	4585506.738	29.055	torrelec
3326	417593.255	4584554.832	42.972	CAT	3430	416973.190	4585055.045	32.547	CAT	3517	416925.678	4585128.625	26.043	torrelec	3662	417320.960	4585508.073	28.944	torrelec
3327	417585.732	4584567.337	40.227	CAT	3431	416977.841	4585047.831	32.526	CAT	3518	416965.311	4585066.128	25.938	phorm	3663	417522.098	4584981.584	42.931	CAT
3329	417599.364	4584542.685	46.019	CAT	3432	416981.856	4585041.603	32.642	CAT	3520	417010.212	4584995.858	25.654	phorm	3664	417570.666	4584957.357	45.343	CAT
3330	417596.267	4584537.359	44.529	CAT	3433	416986.323	4585034.679	32.914	CAT	3523	417022.070	4584913.252	26.616	torrelec	3665	417599.593	4584905.378	48.751	CAT
3331	417590.486	4584527.427	42.033	CAT	3434	416991.629	4585026.469	33.428	CAT	3524	417023.855	4584914.106	26.876	torrelec	3666	417587.732	4584701.413	42.901	CAT
3334	417586.053	4584568.693	40.796	POSTE	3435	416999.422	4585014.378	34.570	CAT	3525	417022.958	4584916.004	27.178	torrelec	3667	417665.571	4584605.562	38.243	CAT
3335	417587.046	4584569.035	40.655	POSTE	3436	417010.601	4584997.073	37.005	CAT	3526	417021.315	4584915.078	26.915	torrelec	3668	417641.083	4584582.470	39.198	CAT
3337	417600.935	4584541.565	51.665	POSTE	3437	416875.459	4585208.647	36.590	CAT	3576	416990.464	4585490.253	25.629	phorm	3669	418124.760	4582499.387	35.090	POSTE
3338	417600.936	4584541.567	51.666	POSTE	3438	417010.605	4584997.069	37.005	CAT	3579	416975.981	4585537.967	24.548	phorm	3670	418297.696	4582556.886	32.440	POSTE
3341	417548.793	4584452.039	36.608	POSTE	3441	417009.828	4584995.573	37.870		3582	416969.424	4585561.548	24.054		3671	418331.518	4582559.277	57.150	POSTE
3342	417547.469	4584452.598	35.287	CAT	3442	417011.356	4584995.109	37.137	CAT	3585	416969.615	4585560.828	24.137	arma					
3343	417555.180	4584465.953	35.000	CAT	3443	417012.741	4584985.999	37.323	CAT	3586	416969.240	4585560.674	24.167	arma					
3344	417666.237	4584731.131	52.651	CAT	3444	417014.403	4584975.107	37.758	CAT	3587	416969.552	4585559.765	24.030	arma					
3345	417561.449	4584477.229	35.268	CAT	3445	417016.003	4584964.622	38.388	CAT	3588	416969.876	4585559.888	24.066	arma	2	417749.907	4584498.786	23.617	pozo
3346	417567.094	4584486.914	35.844	CAT	3446	417019.285	4584943.180	40.338	CAT	3594	416588.721	4585328.453	27.670	postehor	3	417720.767	4584574.678	24.970	pozo
3347	417599.514	4584542.637	46.116	CAT	3447	417020.952	4584932.331	41.662	CAT	3595	416615.224	4585321.287	27.493	posteM	6	417704.962	4584640.852	26.177	pozo
3348	417667.113	4584729.278	52.445	CAT	3448	416881.802	4585198.716	35.927	CAT	3596	416643.139	4585314.470	27.234	posteM	7	417925.012	4584106.331	23.000	pozo
3349	417673.750	4584717.549	48.829	CAT	3449	417022.425	4584922.747	43.015	CAT	3597	416671.289	4585307.044	27.575	posteM	8	417925.744	4584106.528	22.748	pozo
3350	417679.302	4584707.759	46.386	CAT	3450	417023.451	4584916.125	44.055	CAT	3598	416685.992	4585274.186	27.656	posteM	9	417925.190	4584105.328	22.696	pozo
3351	417319.744	4585507.844	48.120	POSTE	3451	417022.487	4584914.806	47.800		3599	416700.727	4585234.726	26.947	posteM	10	417923.753	4584106.194	22.800	pozo
3352	417235.770	4585452.902	45.745		3452	416887.420	4585189.905	35.519	CAT	3600	416721.683	4585228.572	26.644	posteM	11	417924.089	4584107.142	22.791	pozo
3358	417320.288	4585506.888	43.142	CAT	3453	416896.734	4585172.556	36.110	CAT	3601	416744.525	4585213.527	26.217	posteM	13	417941.309	4584093.717	22.012	gas
3359	417282.701	4585482.856	42.812	CAT	3454	416903.401	4585162.096	36.434	CAT	3602	416769.389	4585202.022	25.730	posteM	14	417910.616	4584054.810	22.743	arq
3360	417272.504	4585476.343	43.130	CAT	3455	416911.406	4585149.567	37.212	CAT	3603	416677.005	4585300.710	27.602	arq	15	417911.206	4584053.437	22.748	arq
3361	417261.512	4585469.315	43.669	CAT	3456	416918.923	4585140.568	36.567	CAT	3604	416676.375	4585300.561	27.613	arq	16	417910.204	4584053.048	22.869	arq
3362	417252.463	4585463.539	44.268	CAT	3458	418492.376	4582995.167	34.686	CAT	3605	416676.503	4585299.823	27.615	arq	17	417909.600	4584054.067	22.963	arq
3363	417243.105	4585457.558	45.030	CAT	3461	418498.726	4583014.977	35.425	CAT	3606	416677.224	4585299.934	27.594	arq	18	417877.601	4584126.406	23.092	arq
3364	417239.037	4585454.958	45.408	CAT	3462	418504.062	4583031.521	36.921	CAT	3607	416678.645	4585300.608	27.579	arq	19	417878.723	4584126.848	23.150	arq
3365	417235.811	4585452.900	45.728	CAT	3463	418506.327	4583038.469	37.782	CAT	3608	416678.446	4585301.211	27.580	arq	20	417878.402	4584128.005	23.055	arq
3366	417235.809	4585452.896	45.729	CAT	3464	418509.555	4583045.286	40.139	POSTE	3609	416679.108	4585301.490	27.584	arq	21	417877.218	4584127.457	23.057	arq
3367	417234.514	4585453.879	49.373	POSTE	3465	418508.468	4583045.150	38.744	CAT	3610	416679.388	4585300.941	27.566	arq	23	417726.148	4584571.404	24.511	pozo
3368	417320.533	4585506.987	43.154	CAT	3467	418483.065	4582959.640	36.298	POSTE	3611	416967.849	4585275.994	25.631	arq	25	417879.274	4584149.806	22.585	regap
3369	417311.958	4585501.543	42.892	CAT	3468	418481.776	4582960.741	36.170	CAT	3612	416969.046	4585275.951	25.592	arq	26	417880.254	4584150.036	22.486	regap
3370	417304.125	4585496.548	42.757	CAT	3469	418484.728	4582970.292	35.414	CAT	3613	416969.239	4585275.053	25.612	arq	27	417880.802	4584148.776	22.486	regap
3371	417300.580	4585494.283	42.727	CAT	3470	418487.726	4582979.880	34.920	CAT	3614	416968.172	4585274.653	25.698	arq	28	417879.809	4584148.320	22.633	regap
3372	417293.785	4585489.955	42.726	CAT	3472	417153.584	4584913.351	26.141	odt	3615	416963.181	4585246.262	24.615	arq	29	417880.017	4584149.407	23.035	regap
3374	416969.388	4585561.266	33.083		3473	417155.287	4584909.312	26.141	odt	3616	416962.083	4585243.526	24.625	arq	30	417892.830	4584127.381	22.425	canal
3375	416970.036	4585558.261	31.043	CAT	3474	417157.312	4584904.553	26.153	odt	3617	416960.457	4585244.189	24.630	arq	31	417889.625	4584132.736	22.419	canal
3378	416971.026	4585554.820	31.171	CAT	3475	417157.411	4584904.482	22.672	odt	3618	416961.528	4585246.898	24.624	arq	32	417887.818	4584131.915	22.392	canal
3379	416972.192	4585550.772	31.490	CAT	3476	417157.209	4584905.200	22.584	odt	3624	418509.381	4583046.477	20.466	torrelec	33	417890.935	4584126.616	22.423	canal
3380	416973.402	4585546.570	32.007	CAT	3477	417153.963	4584912.639	22.391	odt	3625	418508.602	4583045.399	20.569	torrelec	34	417899.921	4584119.119	22.425	canal
3381	416974.350	4585543.281	32.546	CAT	3478	417153.691	4584913.341	22.556	odt	3626	418509.634	4583044.760	20.389	torrelec	35	417898.110	4584120.912	22.389	edificio
3382	416975.273	4585540.072	33.188	CAT	3479	417156													

3.13.- COLECCIÓN DE NEGATIVOS ORIGINALES

SE ENTREGARÁN A LA DEMARCACIÓN DE CARRETERAS DEL ESTADO EN CATALUÑA (BARCELONA).

3.14.- FOTOGRAMAS. Puntos de apoyo pinchados

SE ENTREGARÁN A LA DEMARCACIÓN DE CARRETERAS DEL ESTADO EN CATALUÑA (BARCELONA).

(Se adjunta fotocopia. Original en color)

SPASA

24/02/09

12134131

2798 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:15.000

GEA CARTOGRAFIA

P.

1

7745



SPASA

24/02/09

12:27:56

2798 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:105.000

GEA CARTOGRAFIA

P.

2

7711



SPASA

24/02/09

12:28:01

2798 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:10.000

GEA CARTOGRAFIA

P.

2

7712



SPASA

24/02/09

12:28:06

2798 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:15.000

GEA CARTOGRAFIA

F. 2



SPASA

24/02/09

12128111

2798 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:10.000

GEA CARTOGRAFIA

F. 2



SPASA

24/02/09

12:28:16

2798 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:115.500

GEA CARTOGRAFIA

P. 2



SPASA

24/02/09

12128121

2798 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:15.000

GEA CARTOGRAFIA

2



SPASA

24/02/09

12:28:26

2798 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:105.000

GEA CARTOGRAFIA

P. 2



SPASA

24/02/09

12128131

2798 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:15.000

GEA CARTOGRAFIA

P.

2

7718



SPASA

24/02/89

12:28:36

2798 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:15.000

GEA CARTOGRAFIA

P. 2



SPASA

24/02/89

12:28:41

2798 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:15.005

GEA CARTOGRAFIA

P. 2

7720



SPASA

24/02/09

12:28:46

2798 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:15.000

GEA CARTOGRAFIA

P.

2

7721



SPASA

24/02/89

12:28:51

2798 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:10.000

GEA CARTOGRAFIA

P.

2

7722



SPASA

24/02/09

12:28:56

2798 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:15.500

GEA CARTOGRAFIA

P.

2

7723



SPASA

24/02/09

12:29:01

2798 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:1/5.000

GEA CARTOGRAFIA

P.

2

7724



SPASA

24/02/09

12:29:06

2798 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E-115.000

GEA CARTOGRAFIA

P.

2

7725



SPASA

24/02/09

12:29:11

2798 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:15.000

GEA CARTOGRAFIA

P. 2

7726



SPASA

24/02/09

12:29:16

2798 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:115.600

GEA CARTOGRAFIA

2

7727



SPASA

24/02/09

12:31:23

2798 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

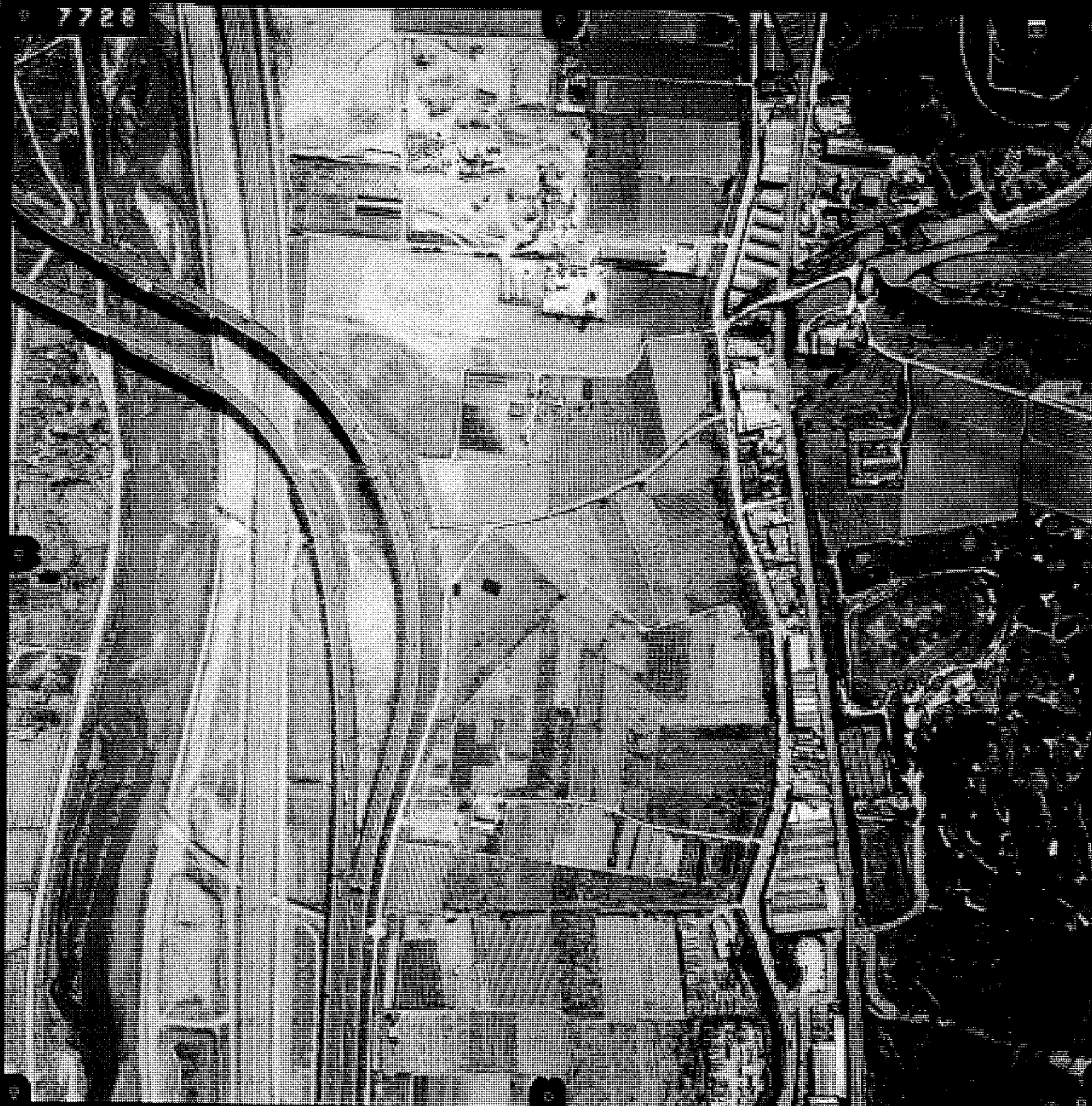
E:15.500

GEA CARTOGRAFIA

P.

3

7728



SPASA

24/02/09

12:31:26

2798 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

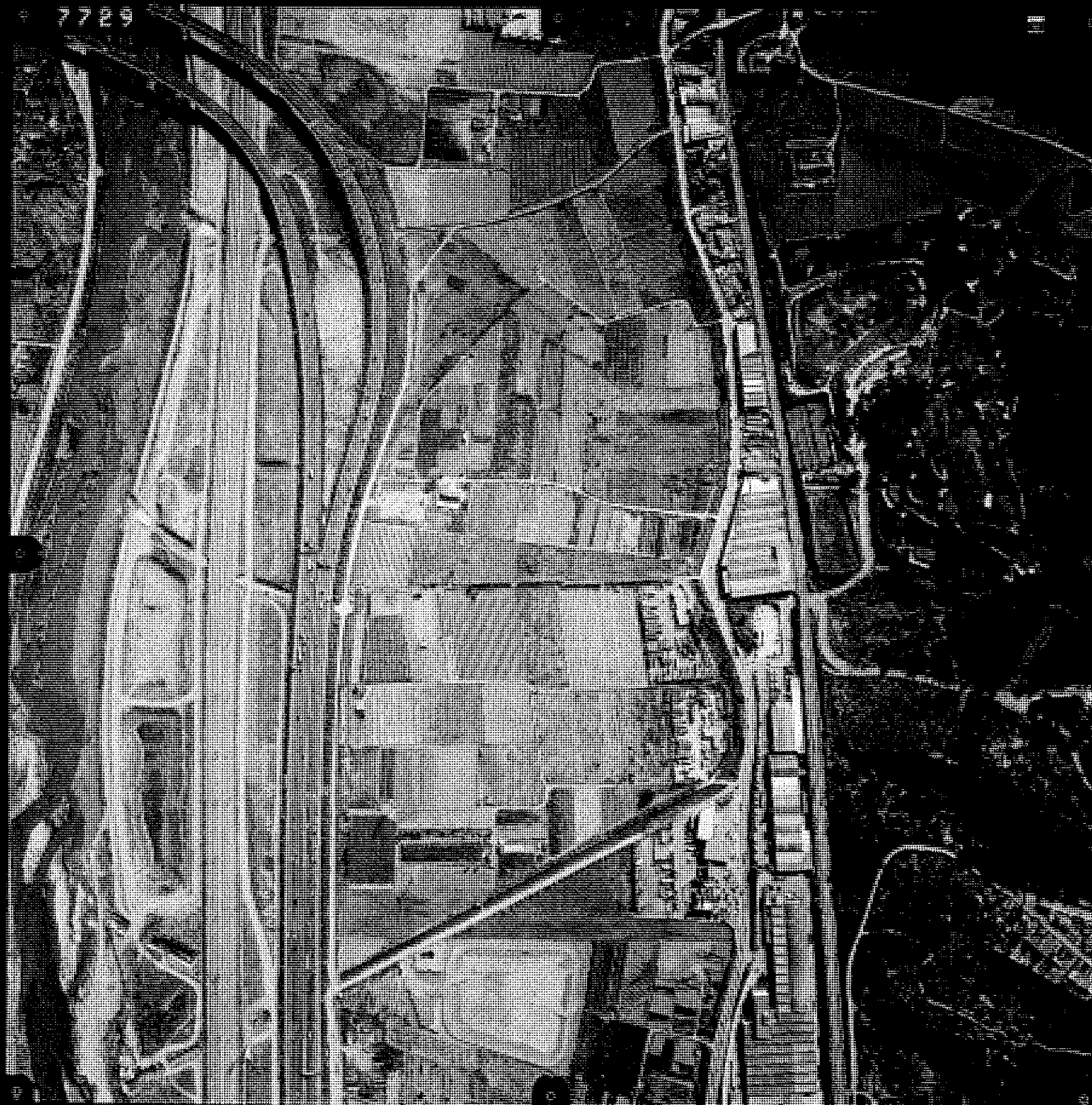
E-15.000

GEA CARTOGRAFIA

P.

3

7729



SPASA

24/02/09

12:31:33

2798 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:115.000

GEA CARTOGRAFIA

F.

3

7730



SPASA

24/02/09

12:31:38

2798 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:105.000

GEA CARTOGRAFIA

P.

3

7731



SPASA

24/02/09

12131143

2798 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E-15.000

GEA CARTOGRAFIA

P.

3

7732



SPASA

24/02/09

12:31:48

2826 /ft

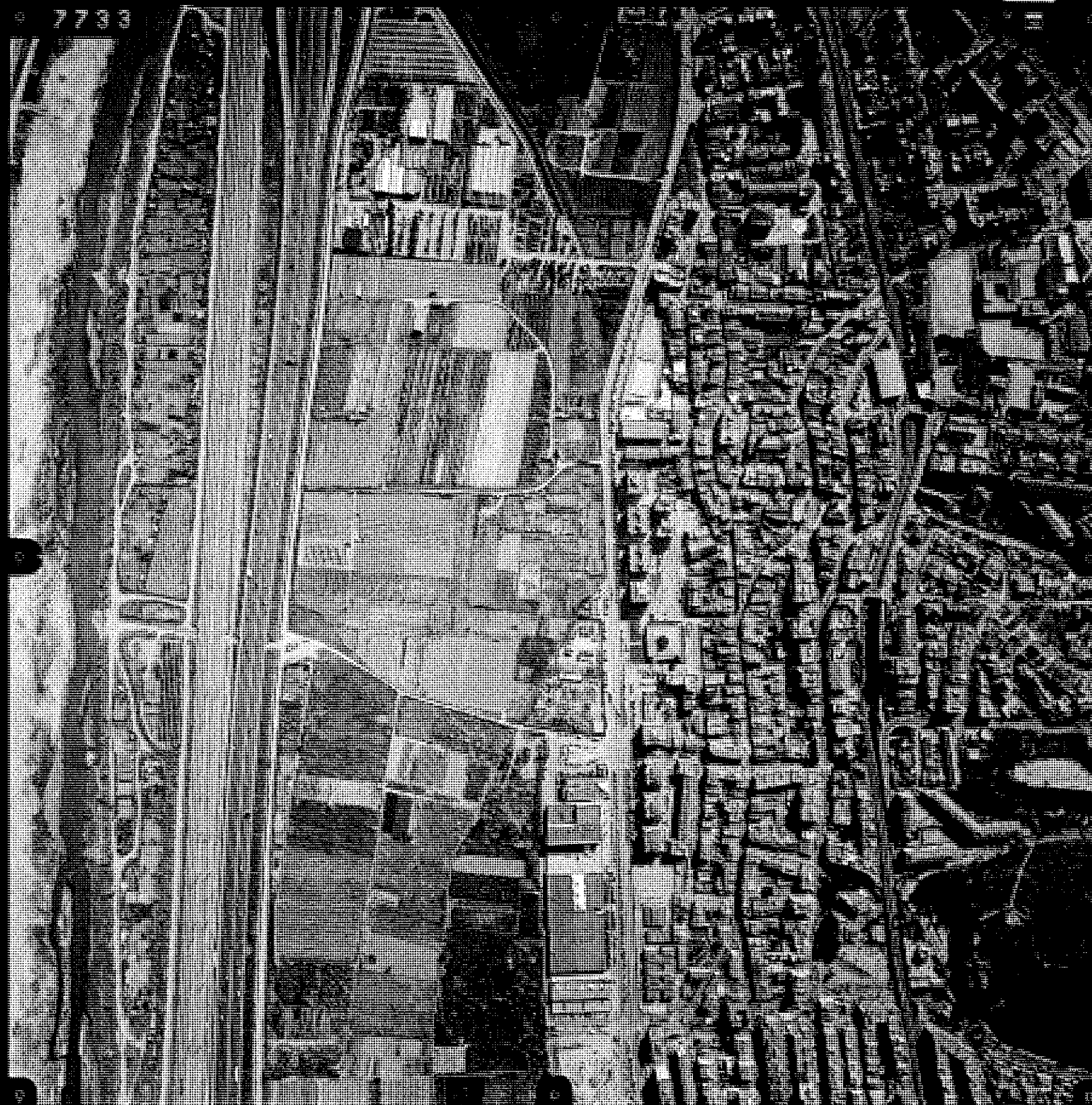
MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOSGAT

E:15.000

GEA CARTOGRAFIA

P.

3



SPASA

24/02/89

12:31:53

2828 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:15.000

GEA CARTOGRAFIA

P. 3

7734



SPASA

24/02/09

12:31:58

2828 / 11

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E-15.000

GEA CARTOGRAFIA

P.

3

7735



SPASA

24/02/89

12:32:03

2828 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:1/5.000

GEA CARTOGRAFIA

F.

3



SPASA

24/02/09

12:32:08

2628 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E-1/5.000

GEA CARTOGRAFIA

P.

3

7737



SPASA

24/02/09

12:32:14

2828 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:15.000

GEA CARTOGRAFIA

P.

3

7738



SPASA

24/02/09

12:32:19

2828 / 14

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:115.000

GEA CARTOGRAFIA

3

7739



SPASA

24/02/09

12132124

2828 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:1/5.000

GEA CARTOGRAFIA

P.

3

7748



SPASA

24/02/09

12:32:29

2828 / 44

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:15.000

GEA CARTOGRAFIA

P. 3

7741



SPASA

24/02/09

12:32:34

2828 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:1/5.000

GEA CARTOGRAFIA

P.

3

7742



SPASA

24/02/09

12132139

2828 / ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:115.000

GEA CARTOGRAFIA

P.

3

7743



SPASA

24/02/89

12:32:45

2828 /ft

MEJORA DE LA ACCESIBILIDAD ENTRE LAS
CTRAS. DEL ENTORNO DEL BAIX LLOBREGAT

E:105.000

GEA CARTOGRAFIA

P.

3

7744



3.15.- LIBRERÍA DE CÓDIGOS UTILIZADA

CODIGOS

LIMITES

CODIGOS T-ELEM NOMBRE

"010101"	linea	"LINEA DE SOLAPE"
"010102"	linea	"EJE GASODUCTO-OLEODUCTO EXISTENTE"
"010103"	linea	"EJE GASODUCTO-OLEODUCTO"
"010104"	linea	"ELEMENTO OCULTO"
"010123"	linea	"LIMITE PROVINCIAL"
"010223"	linea	"LIMITE DE TERMINO MUNICIPAL"
"010225"	linea	"LIMITE DE PARROQUIA"
"010226"	linea	"TERMINO SIN DESLINDE"
"010325"	linea	"LIMITE PARQUE NATURAL"
"010326"	linea	"LIMITE PARQUE NACIONAL"
"010328"	linea	"LIMITE DE DISTRITO"
"010329"	linea	"LIMITE DE BARRIO"
"010423"	linea	"LIMITE DE NACION"
"010424"	linea	"LIMITE AUTONOMICO"

VERTICES Y PUNTOS DE APOYO

CODIGOS T-ELEM NOMBRE

"000101"	punto	"VERTICE GEODESICO 1er ORDEN"
"000102"	punto	"VERTICE GEODESICO DE ORDEN INFERIOR"
"000103"	punto	"VERTICE TOPOGRAFICO"
"000104"	punto	"PUNTO DE APOYO"
"000105"	punto	"N","MOJON DE TRES TERMINOS"
"000106"	punto	"h","MOJON DE DOS TERMINOS"
"000107"	punto	"ESTACION DE POLIGONAL"
"000301"	punto	"MOJON DE MONTE"
"010201"	punto	"BASES DE REPLANTEO"
"010203"	punto	"SEÑAL DE NIVELACION TRIGONOMETRICA"
"000108"	punto	"PUNTO DE TAQUIMETRICO"
"000109"	punto	"HITO DE PROVINCIA"
"000110"	punto	"PUNTO PRINCIPAL"

ALTIMETRIA

CODIGOS T-ELEM NOMBRE

"020123"	linea	"CURVA DE NIVEL FINA"
"020124"	linea	"CURVA DE NIVEL DIRECTORA"
"020125"	linea	"CURVA AUXILIAR (INTERPOLACION)"
"020126"	linea	"CURVA DE DEPRESION FINA"
"020127"	linea	"CURVA DE DEPRESION DIRECTORA"
"020128"	linea	"CURVA FINA OCULTA"
"020129"	linea	"CURVA DIRECTORA OCULTA"
"020223"	linea	"ESCARPE"
"020224"	linea	"ACANTILADO"
"020225"	linea	"ZANJA"
"020246"	linea	"ESCARPADO"
"020247"	linea	"DESMONTE"
"020248"	linea	"TERRAPLEN"
"020249"	linea	"ROQUEDO"
"020301"	linea	"CUEVA NATURAL"
"020302"	linea	"CUEVA ARTIFICIAL"

"020303"	linea	"CUEVA HABITADA"
"020401"	punto+texto	"COTAS"
"020423"	linea	"PIE DE TALUD"
"020424"	linea	"CABEZA DE TALUD"

HIDROGRAFIA

CODIGOS T-ELEM NOMBRE

"030120"	linea	"CUNETAS DE TIERRA"
"030121"	linea	"CUNETAS DE OBRA"
"030123"	linea	"CAUCE DE RIO PERMANENTE"
"030124"	linea	"CAUCE DE RIO ESTACIONAL"
"030125"	linea	"CAUCE DE RIO-MARGEN DERECHO"
"030126"	linea	"CAUCE DE RIO-MARGEN IZQUIERDO"
"030127"	linea	"EJE DE CAUCE FLUVIAL (VAGUADAS)"
"030128"	linea	"EMBALSE"
"030130"	linea	"PERIMETRO ISLA FLUVIAL"
"030131"	linea	"LIMITE DE LAMINA DE AGUA EN EMBALSE"
"030132"	linea	"LINEA DE COSTA"
"030222"	linea	"RAMBLA"
"030246"	linea	"ZONA ENCHARCABLE"
"030247"	linea	"ZONA PANTANOSA"
"030248"	linea	"LAGO"
"030249"	linea	"LAGUNA-BALSA"
"030250"	linea	"SALINA"
"030301"	linea	"SIFONES"
"030302"	linea	"RESPIRADEROS"
"030303"	punto	"SIFON"
"030304"	punto	"RESPIRADERO"
"030322"	linea	"BORDE ACEQUIA"
"030323"	linea	"ACEQUIA"
"030324"	linea	"ACUEDUCTO"
"030325"	linea	"CANAL"
"030326"	linea	"CONDUCCION SUPERFICIAL"
"030327"	linea	"CONDUCCION SUBTERRANEA"
"030328"	linea	"ACEQUIA DE OBRA"
"030329"	linea	"EJE DE CANAL"
"030346"	linea	"DEPOSITO DE AGUA ELEVADO"
"030347"	linea	"DEPOSITO DE AGUA NO ELEVADO"
"030348"	linea	"ESTACION DEPURADORA"
"030349"	punto	"TOMA DE AGUA - HIDRANTE"
"030350"	linea	"ESTACION DE BOMBEO"
"030351"	linea	"DEPOSITO DE CONSTRUCCION"
"030352"	linea	"DEPOSITO METALICO"
"030423"	linea	"ESCLUSA"
"030446"	linea	"PRESA-DIQUE"
"030447"	linea	"PANTALAN DEPORTIVO"
"030448"	linea	"EMBARCADERO"
"030449"	linea	"MOLINO DE AGUA"
"030450"	linea	"PISCINA"
"030451"	linea	"ESTANQUE"
"030452"	linea	"BORDE ESTANQUE O PISCINA"
"030523"	linea	"MANANTIAL"
"030524"	linea	"FUENTE"
"030525"	linea	"POZO"
"030526"	linea	"ABREVADERO"

"030527" punto "VALVULA"

VEGETACION Y USOS DEL SUELO
CODIGOS T-ELEM NOMBRE

"040000" linea "MASA DE ARBOLES CON SIMBOLOGIA"
"040123" linea "LINDE DE POLIGONO CATASTRAL"
"040124" linea "LINDE DE PARCELA"
"040125" linea "LINDE DE SUBPARCELA"
"040126" linea "TAPIAS"
"040127" linea "ALAMBRADA"
"040128" linea "TAPIA CON VERJA-ALAMBRADA"
"040129" linea "VALLA PUBLICITARIA"
"040130" linea "VALLA DE MADERA"
"040131" linea "PILARES"
"040142" linea "PUERTA DE ENTRADA"
"040255" linea "INVERNADEROS"
"040256" linea "MASA DE ARBOLES SIN SIMBOLOGIA"
"040257" linea "CORTAFUEGOS"
"040258" linea "JARDIN & ZONA VERDE PUBLICA"
"040259" linea "SETO"
"040260" linea "ARBOL AISLADO,NO SIMBOL."
"040261" punto "PALMERA"
"040262" punto "ARBOL AISLADO"
"040263" punto "ARBOL CON ALCORQUE"
"040264" punto "ALCORQUE PUNTUAL"
"040265" linea "ALCORQUE LINEAL"
"040301" linea "MINA EN EXPLOTACION"
"040302" linea "MINA ABANDONADA"
"040303" linea "CANTERA EN EXPLOTACION"
"040304" linea "CANTERA ABANDONADA"
"040445" linea "ESCOMBRERA"
"040446" linea "VERTEDERO"
"040447" linea "EXCAVACION"
"040523" linea "MURO DE CONTENCION"
"040524" linea "BANCALES"
"040525" linea "TORRES DE VIGILANCIA"
"040526" linea "MURO CON ANCHO"
"040527" linea "MURETE DE PIEDRA"

EDIFICACIONES /CONSTRUCCION
CODIGOS T-ELEM NOMBRE

"050145" linea "CONSTRUCCION EN GENERAL"
"050146" linea "CASA-EDIFICIO PRIVADO"
"050147" linea "EDIFICIO PUBLICO"
"050148" linea "EDIFICIO SINGULAR"
"050149" linea "EDIFICIO HISTORICO-ARTISTICO"
"050150" linea "EDIFICIO EN CONSTRUCCION"
"050151" linea "EDIFICIO EN RUINAS"
"050152" linea "EDIFICIO AISLADO"
"050153" linea "CASILLA DE USO AGRICOLA - CHAMIZO"
"050154" linea "ENCERRADERO"
"050155" linea "INSTALACION PROVISIONAL"
"050156" linea "INSTALACIONES DEPORTIVAS"
"050157" linea "IGLESIA"

"050158" linea "TECHADO"
"050159" linea "CEMENTERIO"
"050160" linea "MUELLE-PUERTO"
"050161" linea "MOLINO"
"050162" linea "FARO"
"050163" linea "LIMATESAS"
"050164" linea "LIMAHOYA"
"050165" linea "DIVISION DE ALTURAS"
"050166" linea "PUERTA DE FINCA"
"050167" linea "CUMBRERA"
"050168" linea "PORCHE"
"050169" linea "GRADAS DESCUBIERTAS"
"050246" linea "NAVES INDUSTRIALES"
"050247" linea "SILOS"
"050301" linea "VISTA PANORAMICA"
"050323" linea "CALZADA ROMANA"
"050324" linea "MEDIANERIAS"
"050325" linea "VIE-AGUAS"
"050326" linea "BORDILLO"
"050327" linea "OBRAS"
"050328" linea "ESCALERAS"
"050329" linea "BASCULA"
"050330" linea "PLATAFORMA"
"050331" linea "VOLADIZO"
"050332" linea "MARQUESINA"
"050333" linea "ESTRUCTURA METALICA"
"050334" linea "CHIMENEA"
"050335" linea "RAMPAS"
"050336" linea "GRUA"
"050337" linea "OBRA DE FABRICA"
"050350" linea "RESTOS ARQUEOLOGICOS"
"050351" linea "AREA DE OCIO"
"050352" linea "MIRADOR-TERRAZA"
"050355" linea "LINEA DE PATIO"
"050356" linea "LINEA DE MANZANA"
"050357" linea "CLARABOYA - TRAGALUZ"
"050358" linea "LINEA DE JUEGOS"
"050360" linea "MONUMENTO LINEAL"

REDES DE COMUNICACION
CODIGOS T-ELEM NOMBRE

"060101" linea "VADO"
"060102" punto "HITO KM. DE CARRETERA"
"060103" punto "TELEFONO AUTOPISTA"
"060104" punto "PIVOTE DE CARRETERA"
"060118" linea "MARCA VIAL CONTINUA"
"060119" linea "MARCA VIAL DISCONTINUA"
"060120" linea "EJE DE CARRETERA CONTINUO"
"060121" linea "EJE DE CARRETERA DISCONTINUO"
"060122" linea "PASO DISCONTINUO"
"060123" linea "AUTOPISTA DE PEAJE"
"060124" linea "AUTOPISTA ESTATAL"
"060125" linea "AUTOPISTA EN CONSTRUCCION"
"060126" linea "CARRETERA ESTATAL"
"060127" linea "CARRETERA EN CONSTRUCCION"

"060128"	linea	"AUTOVIA ESTATAL"
"060129"	linea	"AUTOVIA EN CONSTRUCCION"
"060130"	linea	"PUESTO DE PRIMEROS AUXILIOS"
"060131"	linea	"LIMITE DE PAVIMENTO"
"060132"	linea	"CARRETERA DE 2º ORDEN"
"060133"	linea	"QUITAMIEDOS METALICO"
"061133"	linea	"QUITAMIEDOS DE OBRA"
"060134"	linea	"CARRETERA LOCAL"
"060135"	linea	"CARRETERA LOCAL EN CONSTRUCCION"
"060136"	linea	"VIADUCTO"
"060137"	linea	"TUNEL"
"060139"	linea	"PISTA"
"060140"	linea	"CAMINO CARRETERO"
"060138"	linea	"CAMINO ASFALTADO"
"061140"	linea	"CAMINO POR EL EJE"
"060141"	linea	"CAMINO DE HERRADURA"
"060142"	linea	"SENDA"
"060143"	linea	"VIA PECUARIA"
"060144"	linea	"CARRETERA ABANDONADA"
"060145"	linea	"RODADA"
"060146"	linea	"APARCAMIENTO"
"060147"	linea	"ESTACION DE SERVICIO"
"060148"	linea	"ESTACION DE PEAJE"
"060149"	linea	"AREA DE SERVICIOS"
"060150"	linea	"PUESTO DE PRIMEROS AUXILIOS"
"060151"	linea	"PUENTES Y TAJEAS"
"060152"	linea	"ARCEN"
"060153"	linea	"ACERA"
"060154"	linea	"PUENTES Y TAJEAS EN CONSTRUC."
"060155"	linea	"PUENTE METALICO"
"060164"	linea	"ALCANTARILLA LINEAL"
"060200"	linea	"PASO SUBTERRANEO"
"060201"	linea	"PASO A NIVEL"
"060202"	linea	"PASO SUPERIOR"
"060203"	linea	"PASO INFERIOR"
"060204"	punto	"h","HITO FF.CC."
"060222"	linea	"TOPE DE FERROCARRIL"
"060223"	linea	"F.F.C.C. ANCHO N. VIA DOBLE"
"060224"	linea	"F.F.C.C. ANCHO N. VIA UNICA"
"060225"	linea	"F.F.C.C. VIA ESTRECHA"
"060226"	linea	"F.F.C.C. ELECTRIFICADO"
"060227"	linea	"F.F.C.C. ABANDONADO"
"060228"	linea	"VIADUCTO DE F.F.C.C."
"060229"	linea	"TUNEL DE F.F.C.C."
"060249"	linea	"ANDEN"
"060250"	linea	"ESTACION DE F.F.C.C."
"060251"	linea	"F.F.C.C. EN CONST."
"060252"	linea	"RAILES"
"060253"	punto	"CATENARIA CIRCULAR"
"060301"	punto	"SOPORTE DE TELEFERICO"
"060324"	linea	"TELEFERICO-FUNICULAR"
"060325"	linea	"TELESILLA"
"060326"	linea	"TELESQUI"
"060401"	punto	"ANTENA EMISORA DE RADIO"
"060446"	punto	"REPETIDOR DE COMUNICACIONES"
"060447"	linea	"ESTACION DE COMUNICACIONES"

"060523"	linea	"CARRETERA SIN IDENTIFICAR"
"060524"	linea	"CARRETERA PARTICULAR"
"060525"	linea	"CAMINO SIN IDENTIFICAR"
"060534"	linea	"CINTA TRANSPORTADORA"
"060624"	linea	"BARANDILLA"
"060701"	linea	"JUNTA DE DILATACION"
"060702"	linea	"PASO DE AGUA"
"060601"	linea	"PISTAS AEROPUERTO"
"060602"	linea	"HELIPUERTO"

LINEAS DE CONDUCCION Y TRANSMISIONES
CODIGOS T-ELEM NOMBRE

"070101"	punto	T.M "TORRE METALICA"
"070102"	linea	"TRANSFORMADOR EN POSTE ¢ PARED"
"070120"	linea	"LINEA DE BAJA TENSION"
"070123"	linea	"LINEA DE ALTA TENSION"
"070124"	linea	"LINEA DE MEDIA TENSION"
"070125"	linea	"CENTRAL ELECTRICA"
"070126"	linea	"SUBESTACION TRANSFORMADORA"
"070127"	linea	"TRANSFORMADOR EN CASETA"
"070146"	linea	"TORRE METALICA LINEAL"
"070147"	linea	"ZAPATA TORRE METALICA"
"070201"	punto	P,"POSTE TELEFONICO"
"070223"	linea	"LINEA TELEFONICA"
"070224"	linea	"LINEA TELEGRAFICA"
"070323"	linea	"OLEODUCTO SUPERFICIAL"
"070324"	linea	"GASODUCTO SUPERFICIAL"
"070325"	linea	"OLEODUCTO SUBTERRANEO"
"070326"	linea	"GASODUCTO SUBTERRANEO"
"070327"	linea	"TUBERIA"
"070329"	linea	"CONDUCCION SUB. SIN IDENTIF."
"070330"	linea	"CONDUCCION AEREA SIN IDENTIF."

CODIGOS DE POSTES REGISTROS Y MOBILIARIO
CODIGOS T-ELEM NOMBRE

"080101"	punto	P,"POSTE SIN IDENTIFICAR"
"080102"	punto	P,"POSTE DE INFORMACION"
"080103"	punto	P Luz,"PUNTO DE LUZ"
"080104"	punto	F,"FAROLA"
"080105"	punto	Rg,"REGISTRO SIN IDENTIFICAR"
"080106"	punto	Rg A,"REGISTRO DE AGUA"
"080107"	punto	Rg G,"REGISTRO DE GAS"
"080108"	punto	Rg E,"REGISTRO ELECTRICO"
"080109"	punto	Rg T,"REGISTRO TELEFONICO"
"080110"	punto	Riego,"BOCA DE RIEGO"
"080111"	punto	"BOCA DE INCENDIOS"
"080112"	punto	"ALCANTARILLA"
"080113"	punto	St,"SEÑAL DE TRAFICO"
"080114"	punto	Sf,"SEMAFORO"
"080115"	punto	"FUENTE PUBLICA"
"080116"	linea	"SUMIDERO LINEAL"
"080117"	punto	"BUZON"
"080118"	punto	"PAPELERA"
"080119"	punto	"SURTIDOR DE GASOLINA"

"080120"	linea	"BANCO (DE PARQUE)"
"080122"	punto	H.TLF., "MOJON DE CABLE COAXIAL"
"080123"	linea	"REGISTRO LINEAL"
"080124"	punto	"FAROLA DE FACHADA"
"080125"	punto	"FAROLA MULTIPLE"
"080126"	punto	"REGISTRO DE SEMAFOROS"
"080127"	punto	Sum, "SUMIDERO CIRCULAR"
"080128"	punto	C.T., "CABINA DE TELEFONOS"
"080129"	punto	Arq., "ARQUETA DE SANEAMIENTO"
"080130"	punto	"ESTATUA PUNTUAL"
"080131"	punto	Rg, "POZO DE REGISTRO"
"080132"	punto	Placa Gas, "PLACA DE GAS"
"080133"	linea	"BANCO DE PARQUE"
"080135"	linea	"REGISTRO DE ARMARIO"
"080136"	punto	"KIOSCO PUNTUAL"
"080137"	linea	"KIOSCO LINEAL"
"080138"	punto	"BOCA DE METRO"
"080139"	linea	"BOCA DE METRO LINEA"
"080140"	linea	"CABINA TFNO. LINEAL"
"080145"	linea	"SEÑAL DE TRÁFICO LINEAL"

CODIGOS DE USOS DEL SUELO

CODIGOS T-ELEM NOMBRE

"090100"	punto	PJ, "PUNTOS DEL JARDIN (PATRON)"
"090102"	punto	TC, "Terreno de Cultivo"
"090103"	punto	Tc/Arb, "TC Y ARBOLES"
"090104"	punto	Fr, "Frutales"
"090105"	punto	O, "Olivar"
"090106"	punto	V, "Viñedo"
"090107"	punto	S, "Secano"
"090108"	punto	Er, "Erial"
"090109"	punto	J, "Jardin"
"090110"	punto	H, "Huerta"
"090111"	punto	Mb, "MONTE BAJO"
"090112"	punto	Ma, "Monte Alto"
"090113"	punto	A, "Arrozal"
"090114"	punto	Nr, "Citricos"
"090115"	punto	Pd/Dh, "Prados y Dehesas"
"090116"	punto	R, "Regadio"
"090117"	punto	Zp, "Zona Pantanosa"
"090118"	punto	Pinar, "PINAR-Coniferas"
"090119"	punto	R.F, "Repoblacion Forestal"
"090120"	punto	Er/Arb, "ERIAL-ARBOLES"
"090121"	punto	Mb/Arb, "MONTE BAJO-ARBOLES"
"090122"	punto	J, "JARDIN"
"090123"	punto	O./V., "OLIVAR-VIÑEDO"
"090124"	punto	Ep, "Erial-Pastos"
"090125"	punto	S, "Solar"

ROTULACION // TEXTOS

CODIGOS T-ELEM NOMBRE

"100101"	texto	"VERTICE GEODESICO 1er ORDEN"
"100102"	texto	"VERTICE GEODESICO DE OR INF."
"100103"	texto	"VERTICE TOPOGRAFICO"

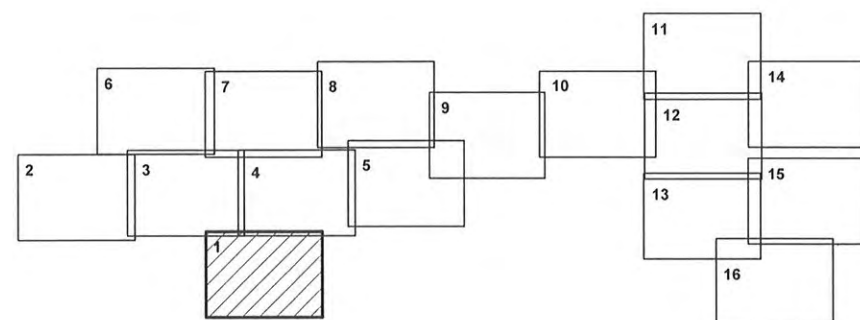
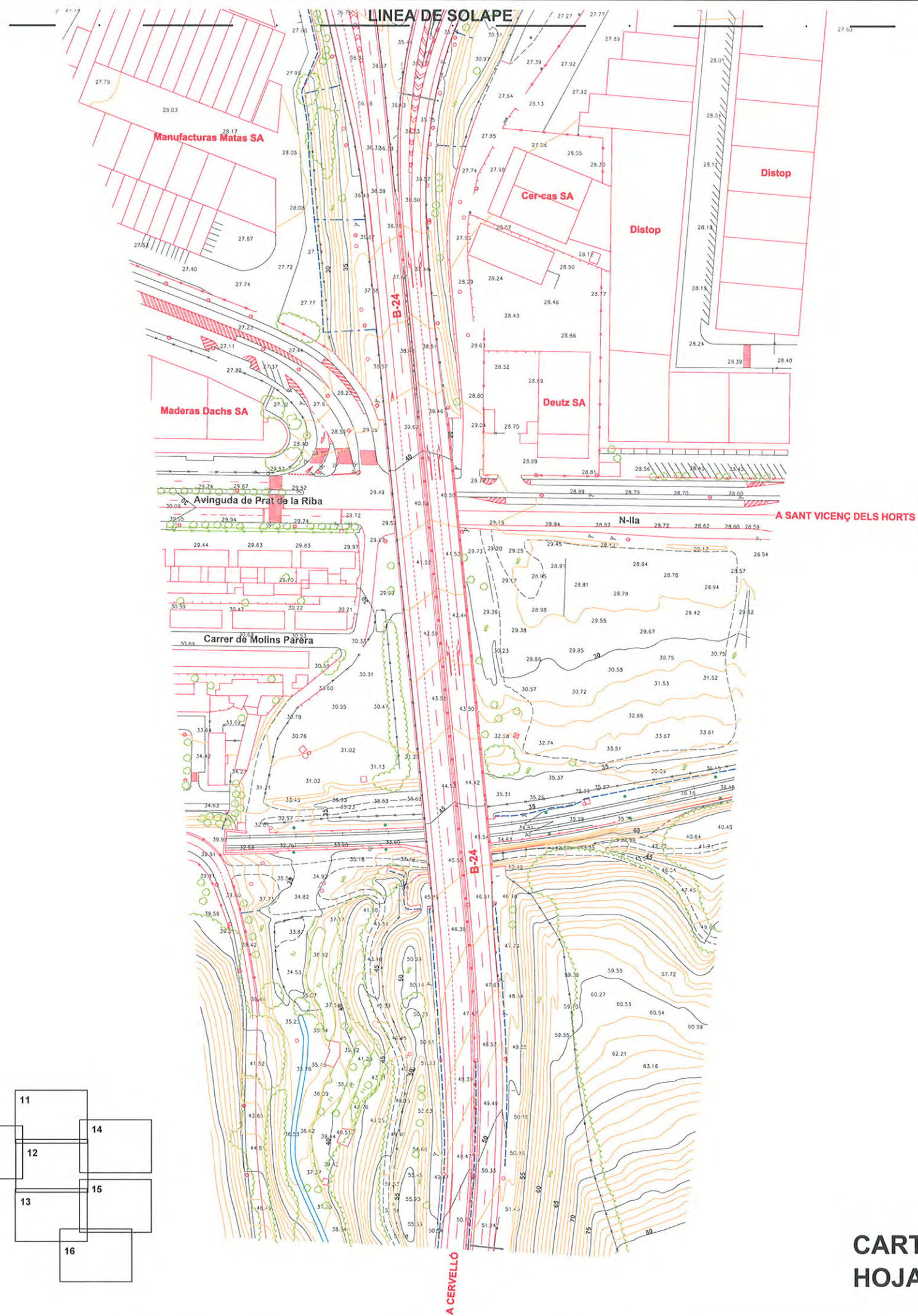
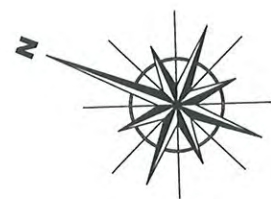
"100104"	texto	P.A., "PUNTO DE APOYO"
"100105"	texto	N, "MOJON DE TRES TERMINOS"
"100106"	texto	h, "MOJON DE DOS TERMINOS"
"100108"	texto	"ROTULO DE PUNTO DE TAQUIMETRICO"
"100301"	texto	"Mojon de monte"
"110123"	texto	"LIMITE PROVINCIAL"
"110201"	texto	"BASES DE REPLANTEO"
"110203"	texto	"SEÑAL DE NIVELACION"
"110223"	texto	"LIMITE DE TERMINO MUNICIPAL"
"110225"	texto	"LIMITE DE PARROQUIA"
"110226"	texto	"TERMINO SIN DESLINDE"
"110325"	texto	"LIMITE PARQUE NATURAL"
"110326"	texto	"LIMITE PARQUE NACIONAL"
"110328"	texto	"LIMITE DE DISTRITO"
"110329"	texto	"LIMITE DE BARRIO"
"110423"	texto	"LIMITE DE NACION"
"110424"	texto	"LIMITE AUTONOMICO"
"100000"	texto	ROTULO GRUESO"
"HOJAS"	linea	"MARCO DE HOJAS"
"TEXTO"	texto	"TEXTOS ROTULACION"
"120124"	texto	"ROTULO CURVA DIRECTORA"
"120127"	texto	"ROTULO CURVA DEPRESION DIRECTORA"
"130123"	texto	"ROTULOS RIOS"
"130127"	texto	"ROTULO DE ARROYO"
"130128"	texto	"ROTULOS EMBALSES"
"130525"	texto	"ROTULOS POZOS"
"150146"	texto	"ROTULOS CASA, TRANSFOR."
"150147"	texto	"ROTULOS EDIFICIOS PUBLICOS"
"150158"	texto	"ROTULOS CAPILLA, HUMILLADERO"
"150159"	texto	"ROTULO CEMENTERIO"
"150246"	texto	"ROTULOS INDUSTRIAS"
"150247"	texto	"NUMERO DE POLICIA"
"150248"	texto	"VIVIENDAS, LOCALES, ALTURAS"
"150351"	texto	"ROTULO AREA OCIO"
"150354"	texto	"P", "ROTULO DE PATIO"
"150447"	texto	"ROTULO PUEBLO"
"150450"	texto	"ROTULO URBANIZACION"
"150556"	texto	"ROTULO DE DETALLE"
"160102"	texto	"ROTULO HITO KILOMETRICO"
"160124"	texto	"ROTULO AUTOPISTA "
"160126"	texto	"ROTULOS CARRETERAS"
"160140"	texto	"ROTULO CAMINO"
"160154"	texto	"ROTULO CALLE"
"160204"	texto	h, "ROTULO HITO F.F.C.C."
"160223"	texto	"ROTULO F.F.C.C."
"160401"	texto	"ROTULO ANTENA"
"170101"	texto	T.M, "ROTULO TORRE METALICA"
"170123"	texto	"ROTULO TENDIDOS"
"170125"	texto	"ROTULO ESTACION ELECTRICA"
"170201"	texto	P, "ROTULO POSTE TELEFONICO"
"180101"	texto	P, "ROTULO POSTE SIN IDENTIFICAR"
"180102"	texto	PI, "ROTULO POSTE DE INFORMACION"
"180103"	texto	PL, "ROTULO PUNTO DE LUZ"
"180104"	texto	F, "ROTULO FAROLA"
"180105"	texto	Rg, "ROTULO REG SIN IDENTIFICAR"
"180106"	texto	Rg A, "ROTULO REG DE AGUA"

"180107"	texto	Rg G,"ROTULO REG DE GAS"
"180108"	texto	Rg E,"ROTULO REG ELECTRICO"
"180109"	texto	Rg T,"ROTULO REG TELEFONICO"
"180110"	texto	Riego,"ROTULO BOCA DE RIEGO"
"180111"	texto	Inc,"ROTULO BOCA DE INCENDIOS"
"180112"	texto	Alc,"ROTULO ALCANTARILLA"
"180113"	texto	St,"ROTULO SEÑAL DE TRAFICO"
"180114"	texto	Sf,"ROTULO SEMAFORO"
"180117"	texto	"ROTULO BUZON"
"180118"	texto	"ROTULO PAPELERA"
"180122"	texto	H.TLF., "ROTULO MOJON CABLE COAXIAL"
"180127"	texto	Sum,"ROTULO SUMIDERO"
"180129"	texto	Arq., "ROTULO ARQ.DE SANEAMIENTO"
"190102"	texto	TC,"ROTULO Terreno de Cultivo"
"190103"	texto	TC/ARB,"ROTULO TC-ARBOLES"
"190104"	texto	Fr,"ROTULO Frutales"
"190105"	texto	O,"ROTULO Olivar"
"190106"	texto	V,"ROTULO Viñedo"
"190107"	texto	S,"ROTULO Secano"
"190108"	texto	Er,"ROTULO Erial"
"190109"	texto	J,"ROTULO Jardin"
"190110"	texto	H,"ROTULO Huerta"
"190111"	texto	Mb,"ROTULO Monte BAJO"
"190112"	texto	Ma,"ROTULO Monte Alto"
"190113"	texto	A,"ROTULO Arrozal"
"190114"	texto	Nr,"ROTULO Citricos"
"190115"	texto	Pd,"ROTULO Prados y Dehesas"
"190116"	texto	R,"ROTULO Regadio"
"190117"	texto	Zp,"ROTULO Zona Pantanosa"
"190118"	texto	Pinar,"ROTULO PINAR-Coniferas"
"190119"	texto	R.F,"ROTULO Repoblacion Forestal"
"190120"	texto	Er/Arb,"ROTULO ERIAL-ARBOLES"
"190121"	texto	Mb/Arb,"ROTULO MB-ARBOLES"
"190122"	texto	J,"ROTULO JARDIN"
"190123"	texto	O./V., "ROTULO OLIVAR-VIÑEDO"
"190124"	texto	Ep "Erial Pastos"
"190125"	texto	S,"ROTULO DE SOLAR"
"191724"	texto	"TEXTOS BARRANCO"
"192151"	texto	"ROTULACION PARAJES"
"192152"	texto	"ROTULACION SIERRAS, COMARCAS,..."
"192153"	texto	"TEXTO ROTULACION PROVINCIA"
"192154"	texto	"ROTULACION CERROS, COLLADOS, PLAYAS,..."
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"PUNTOS"	texto	"TEXTO DE PUNTOS EN PA"
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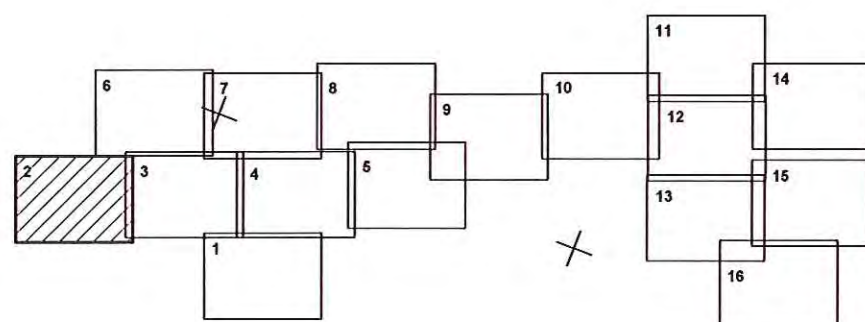
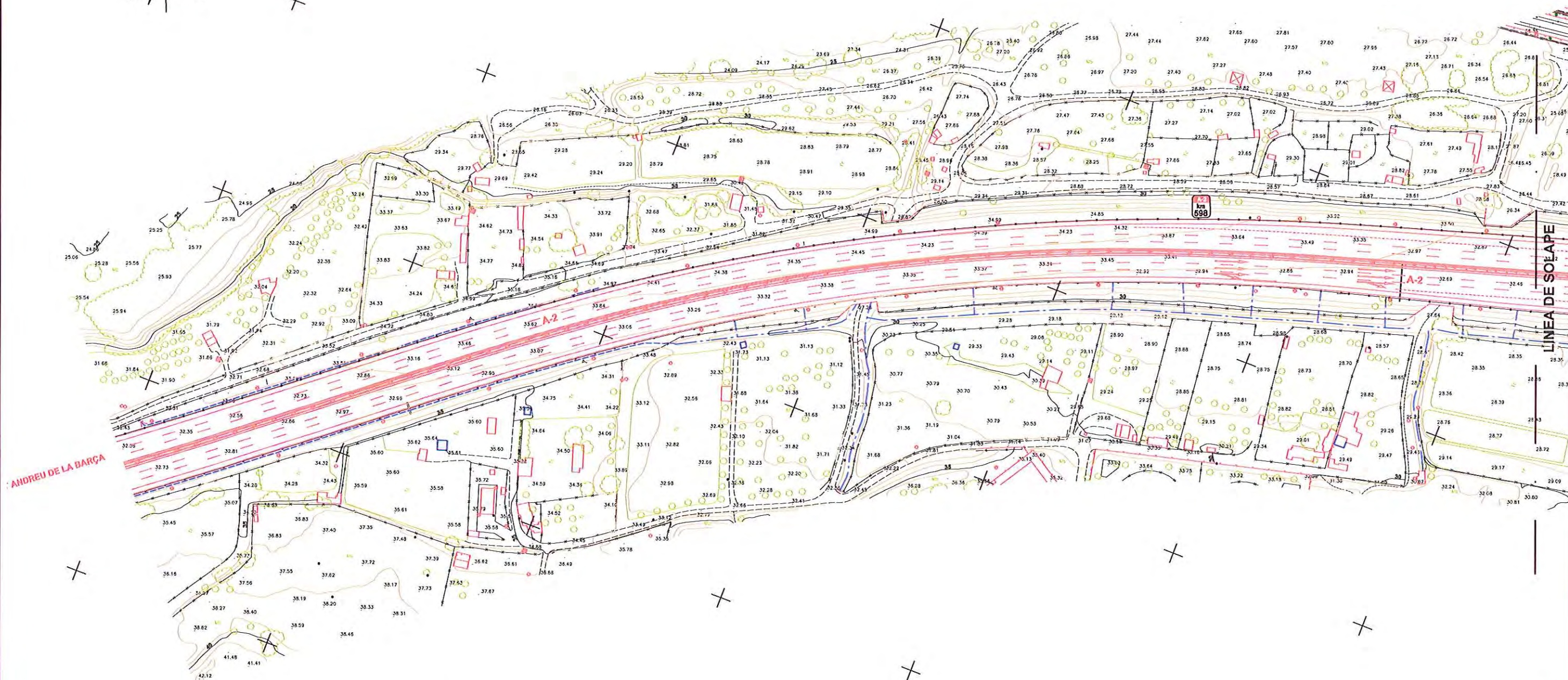
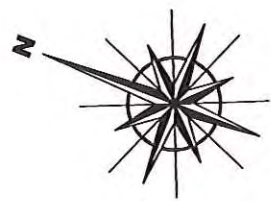
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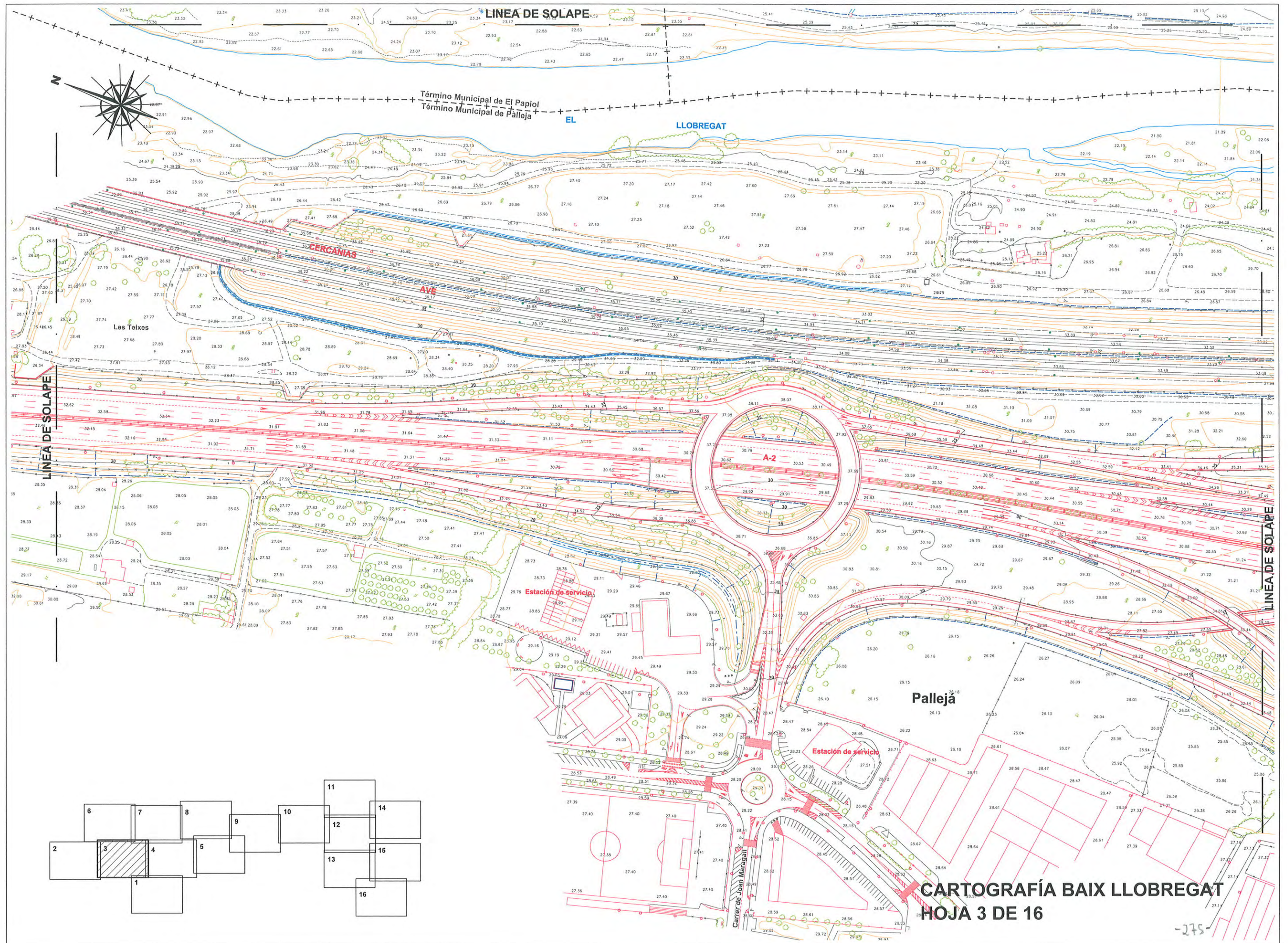
3.17.- CARTOGRAFÍA

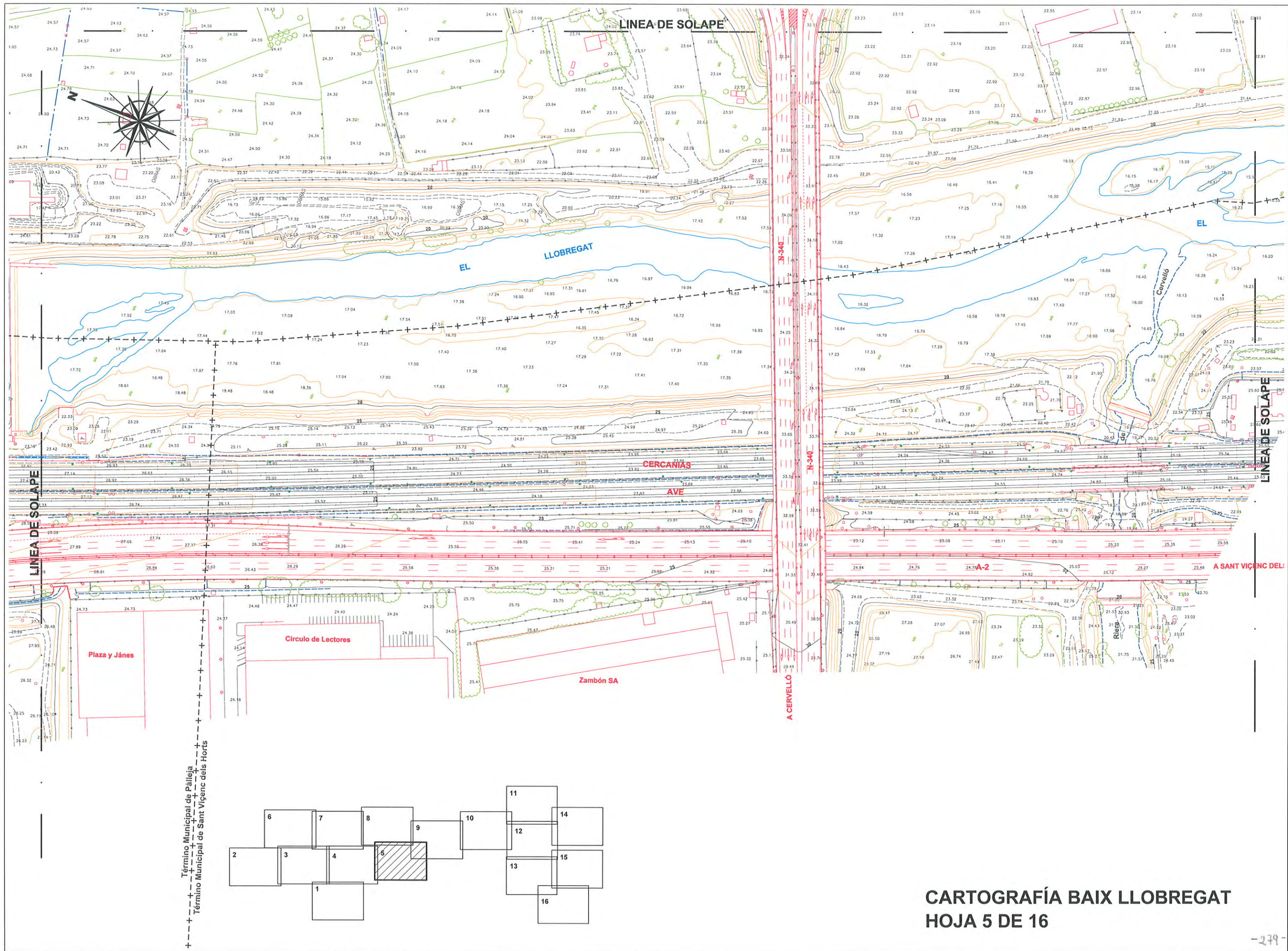
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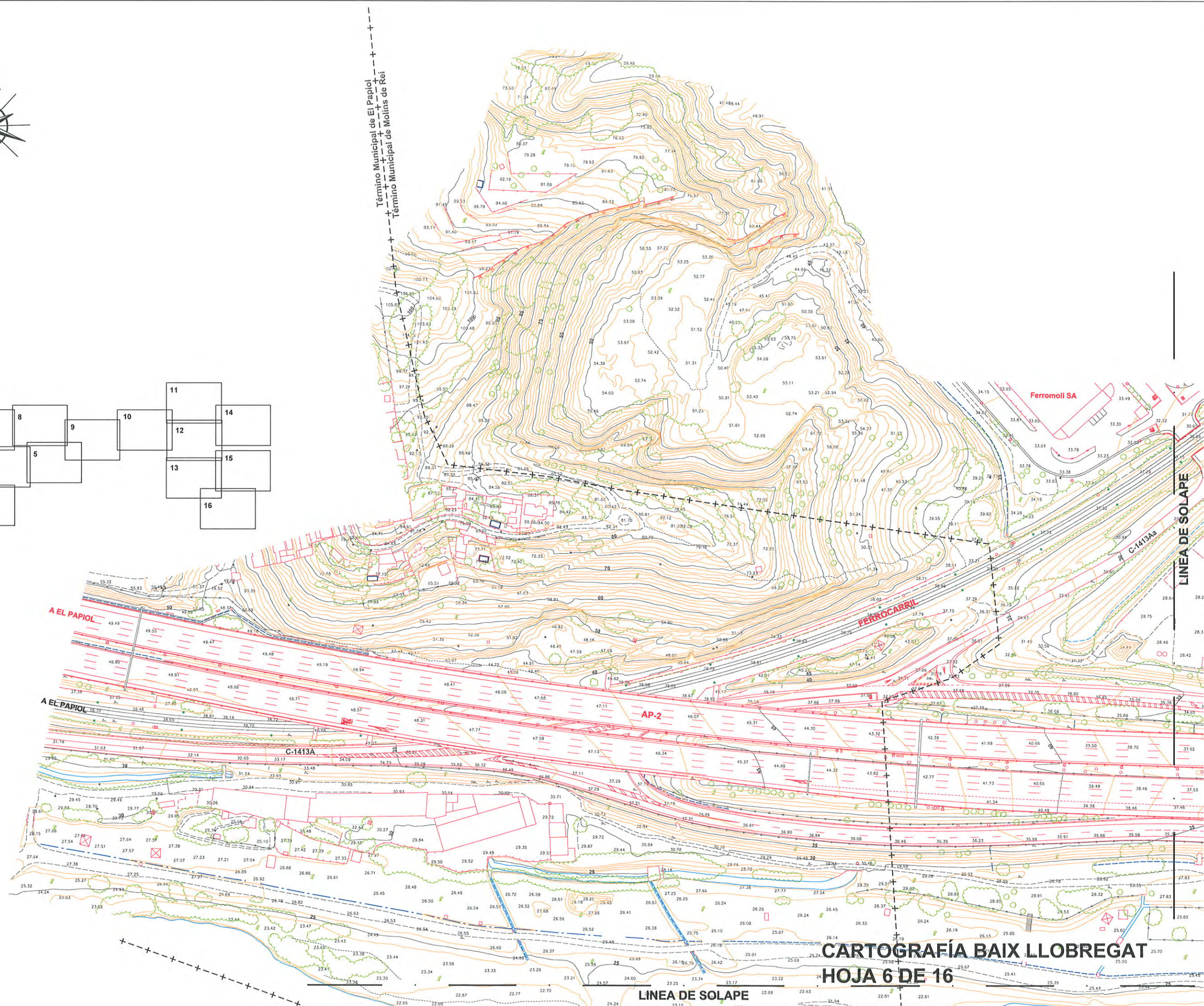
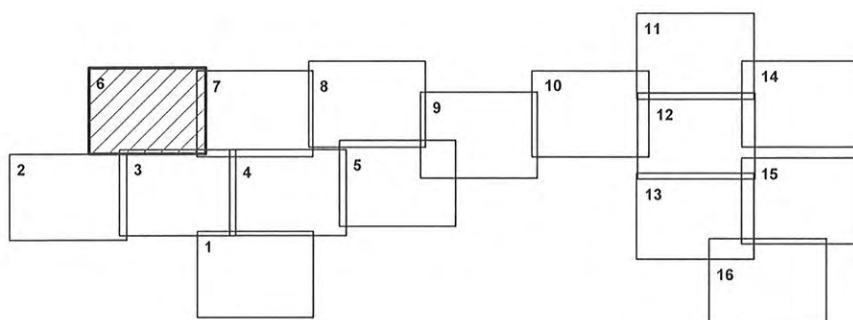
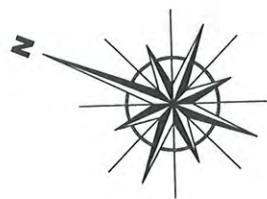
CARTOGRAFIA BAIX LLOBREGAT
HOJA 1 DE 16







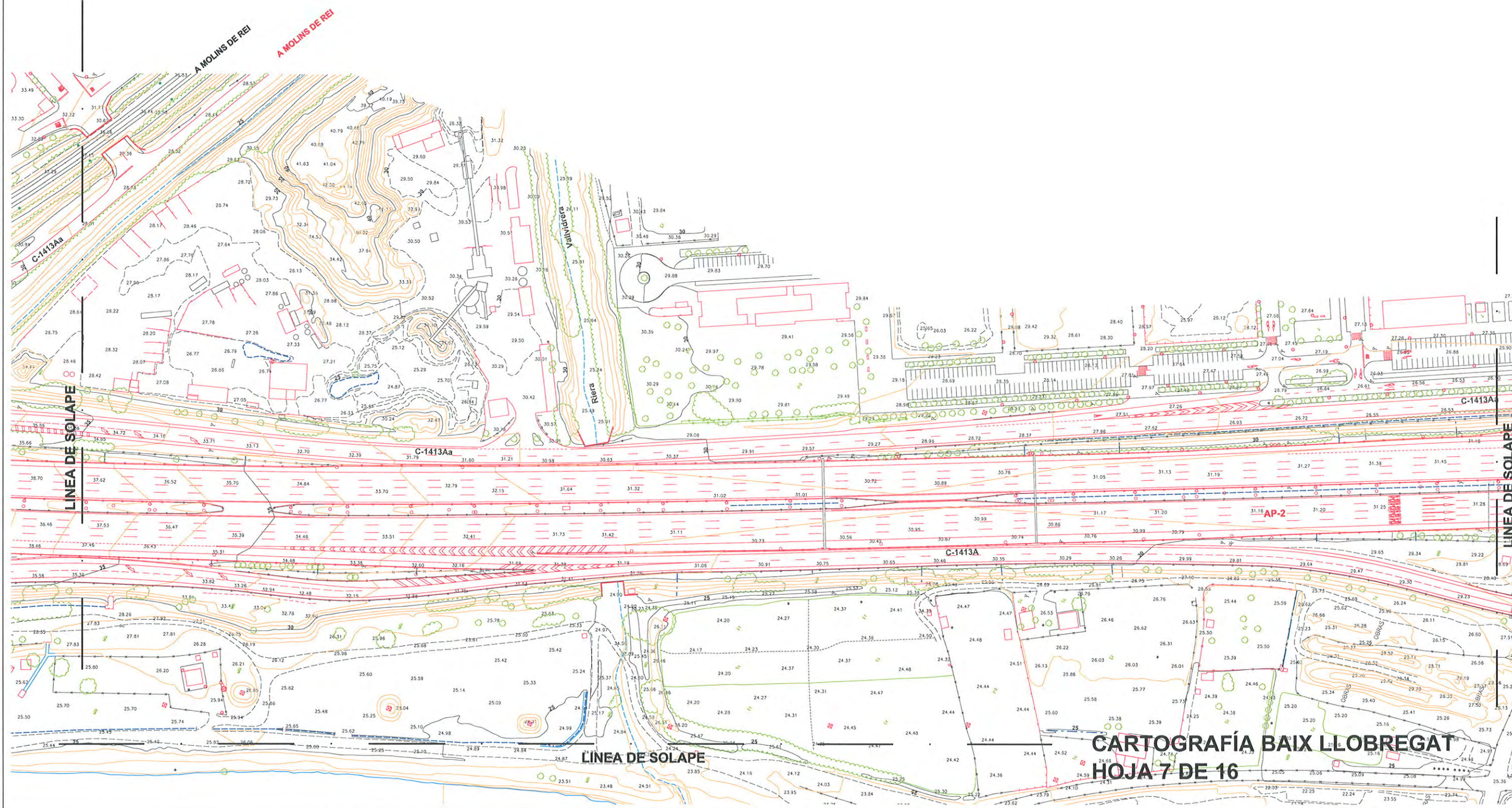
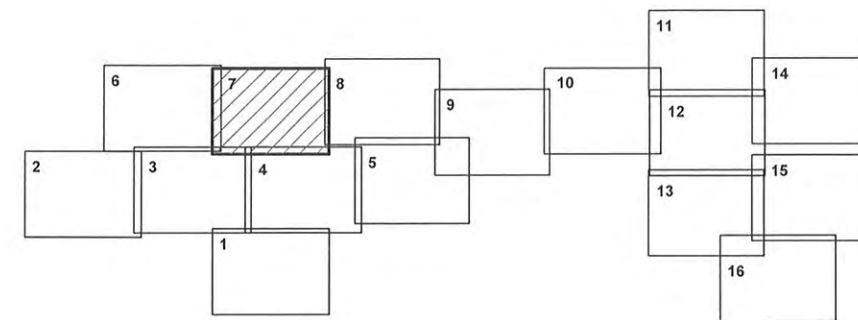
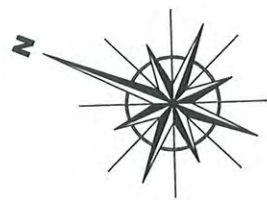
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HOJA 5 DE 16

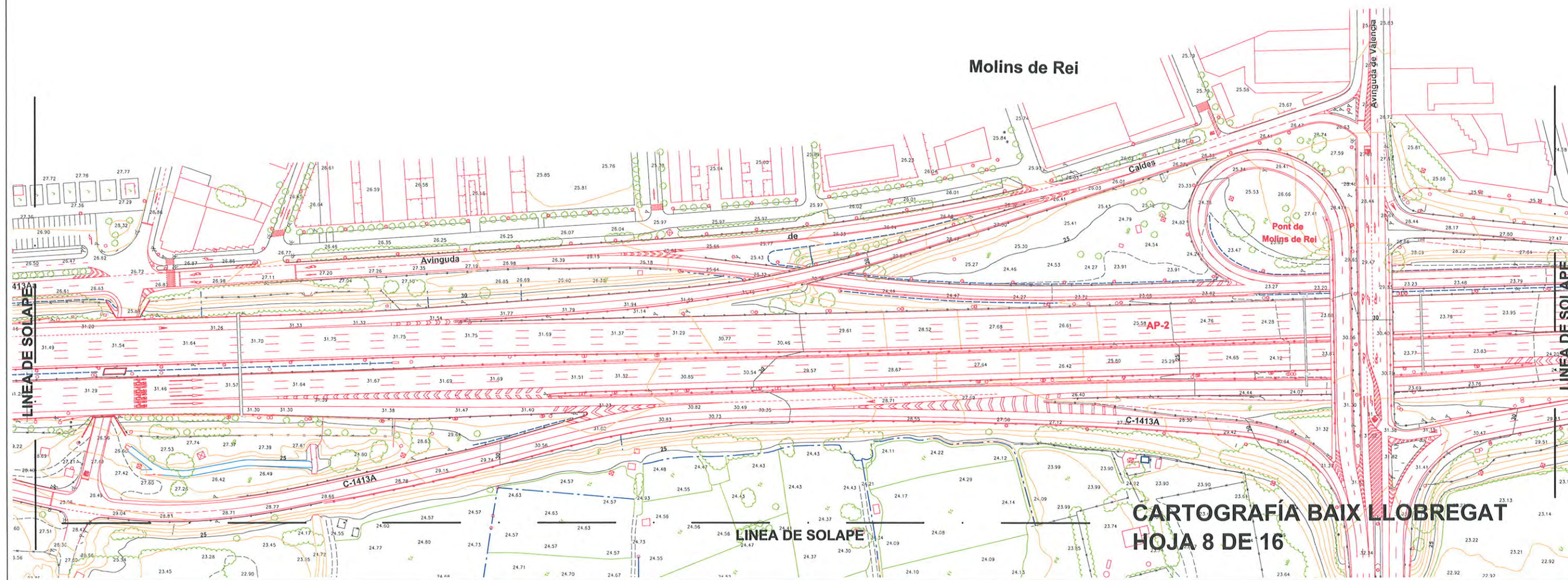
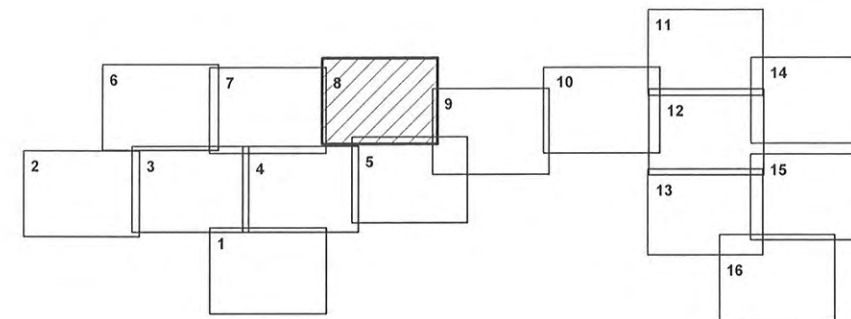
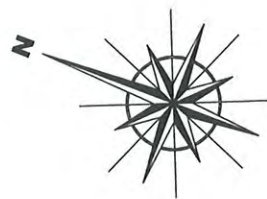


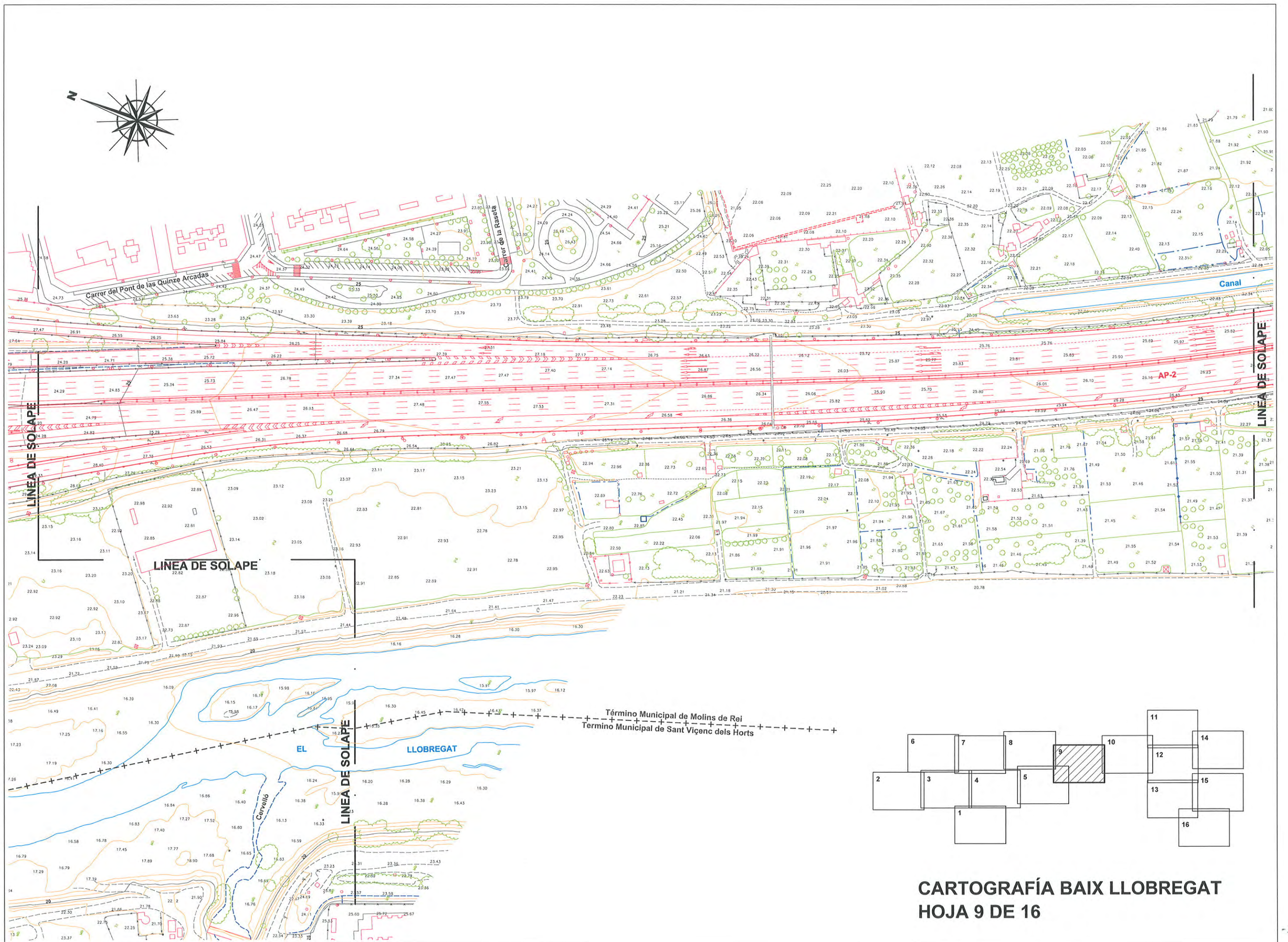
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HOJA 6 DE 16

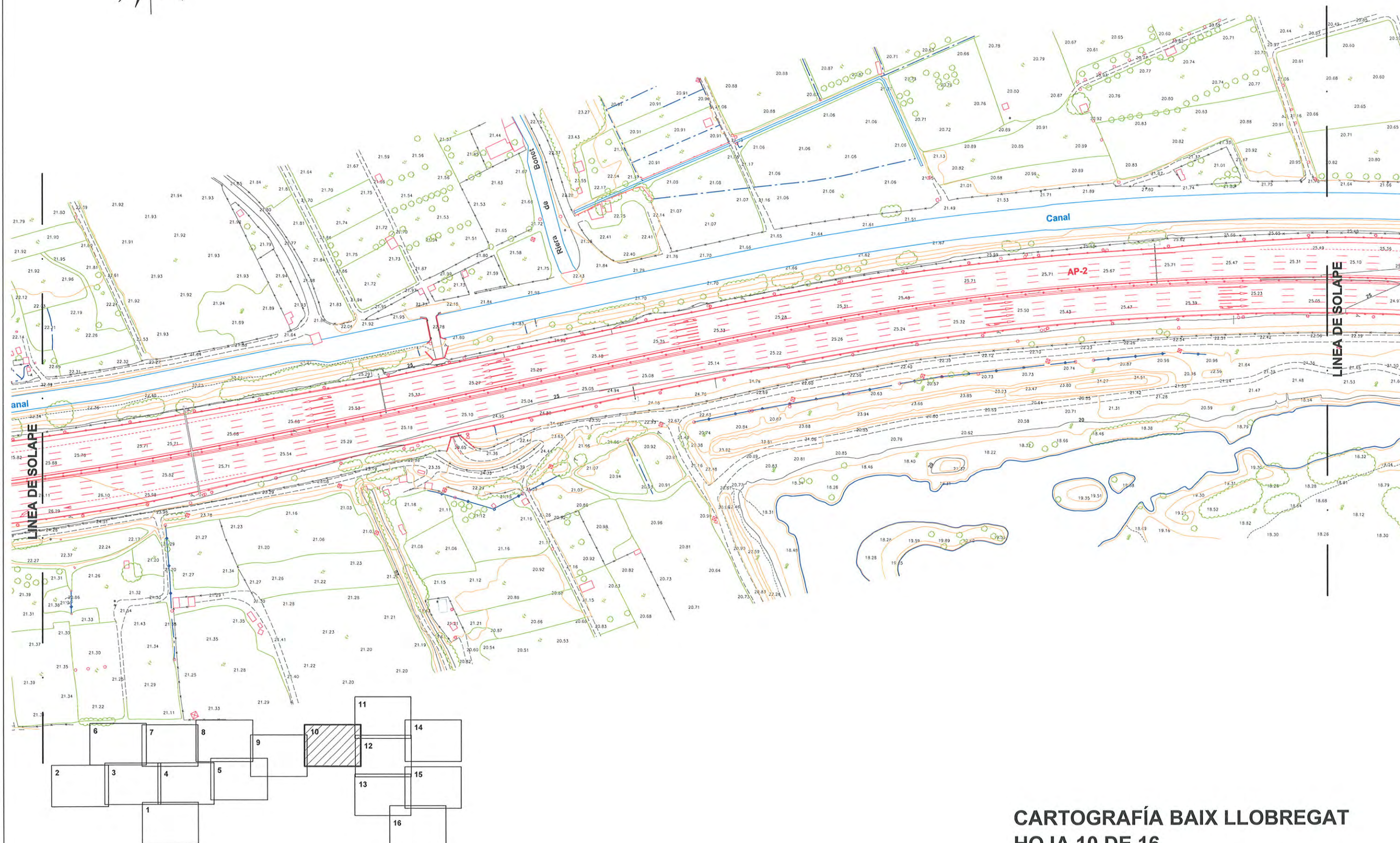
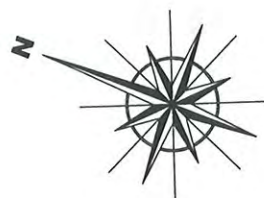
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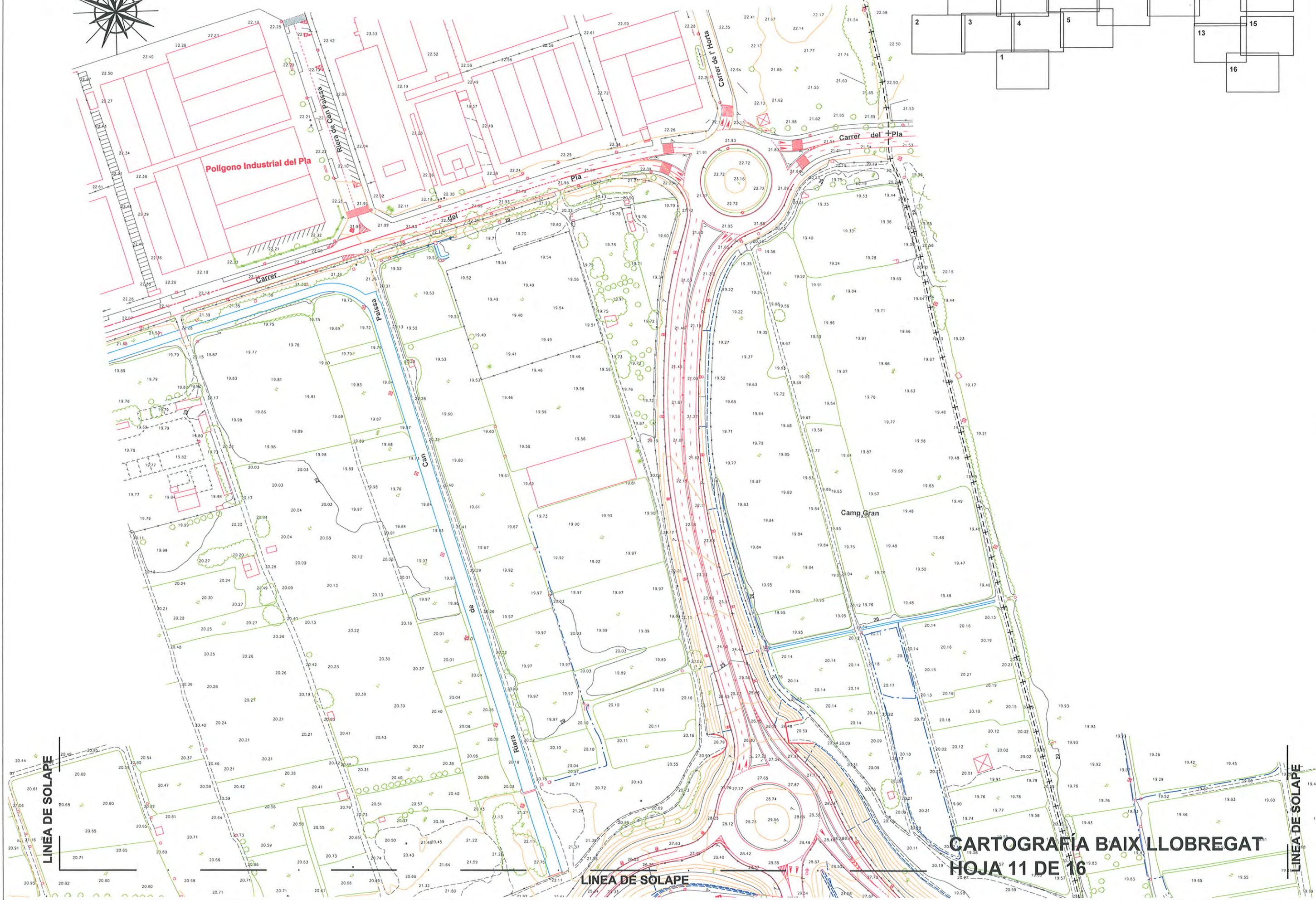
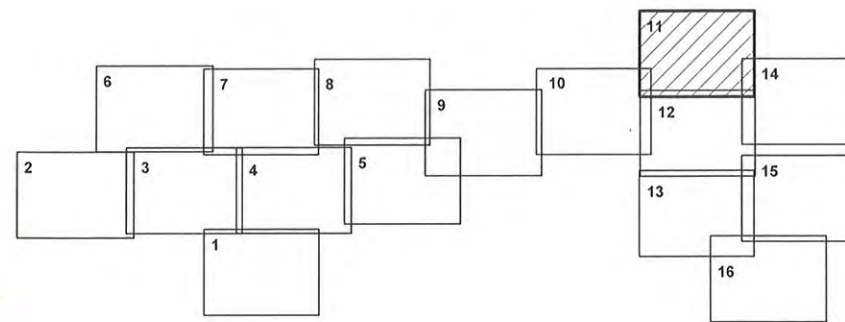


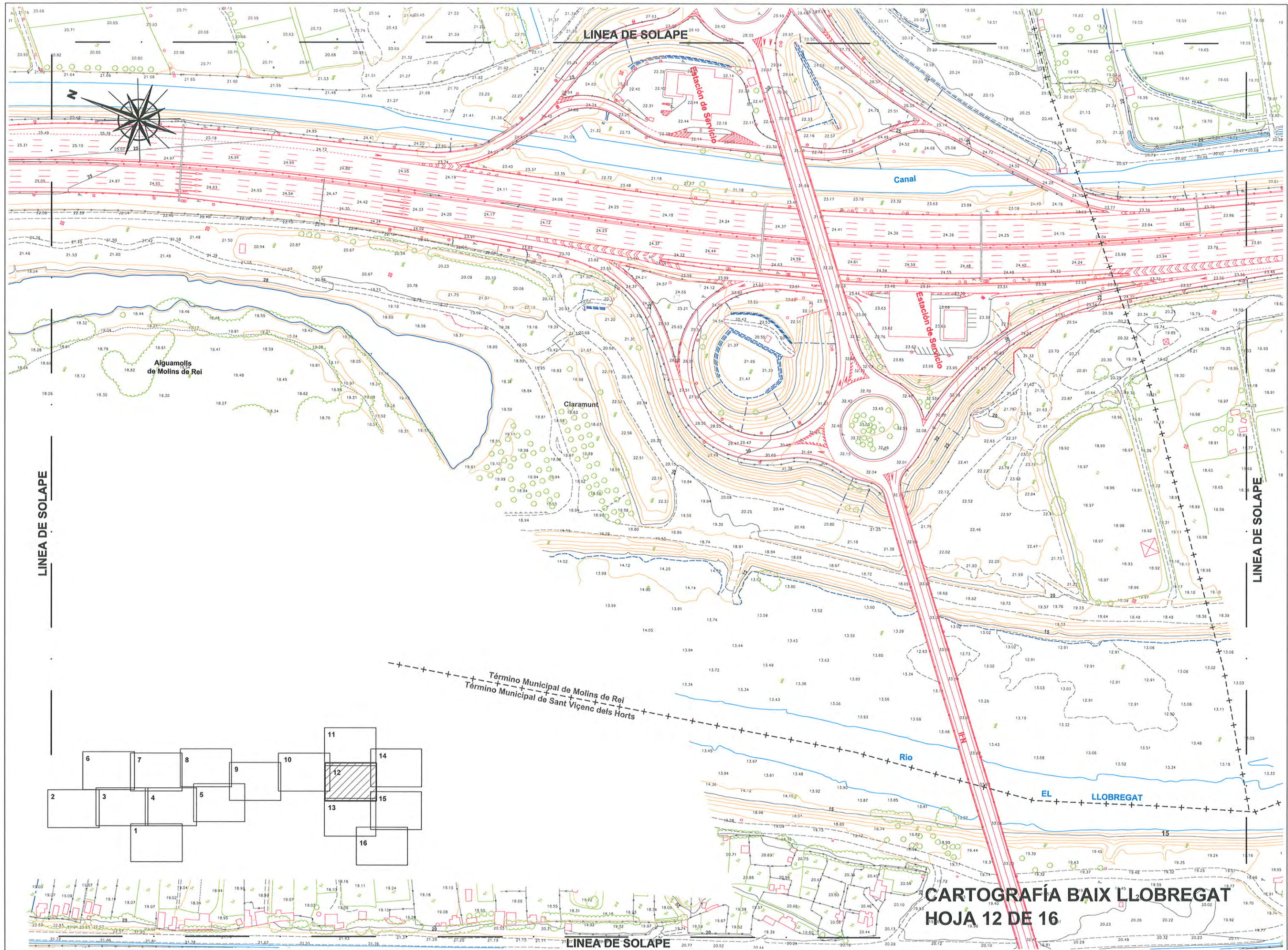


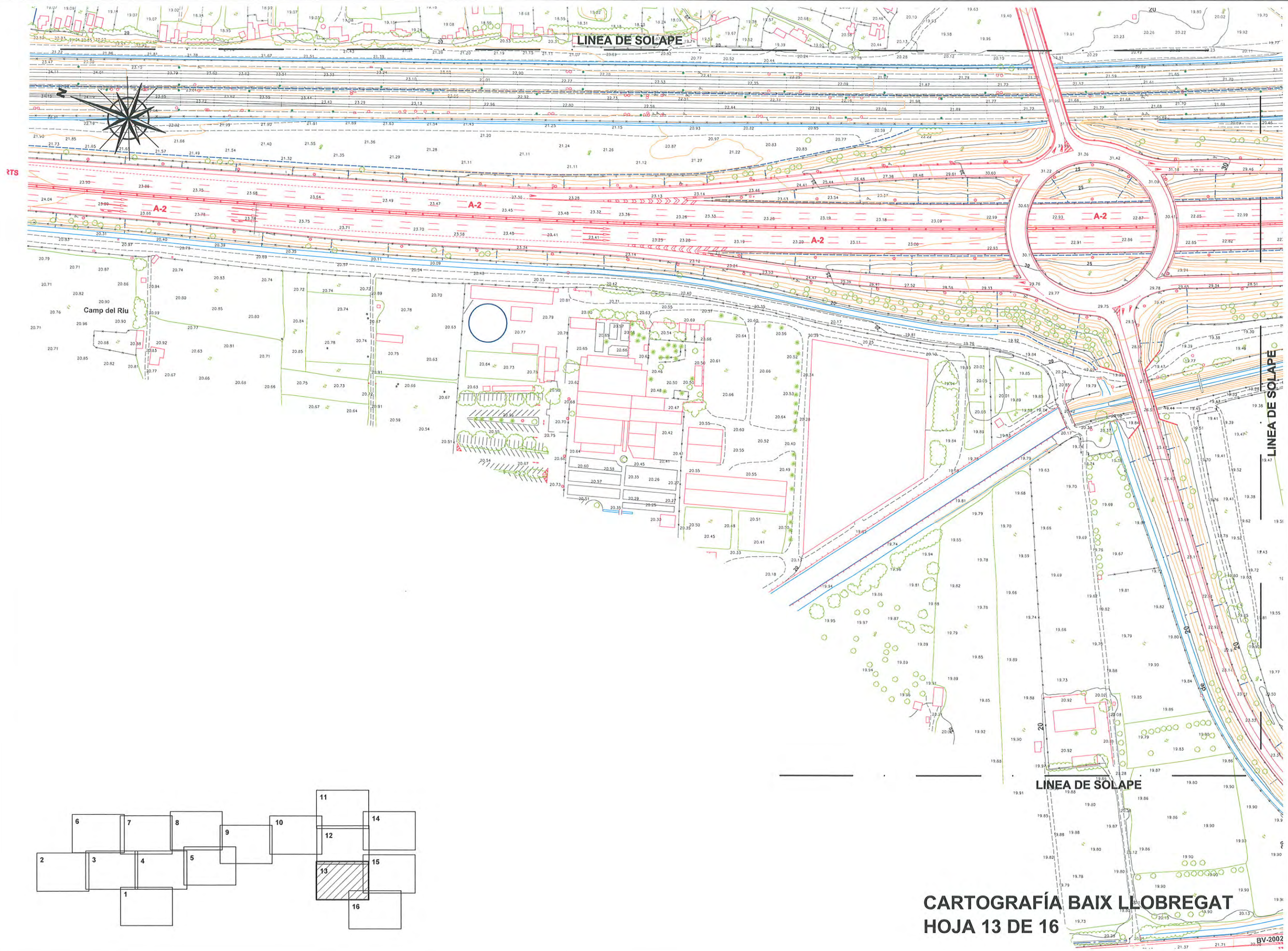


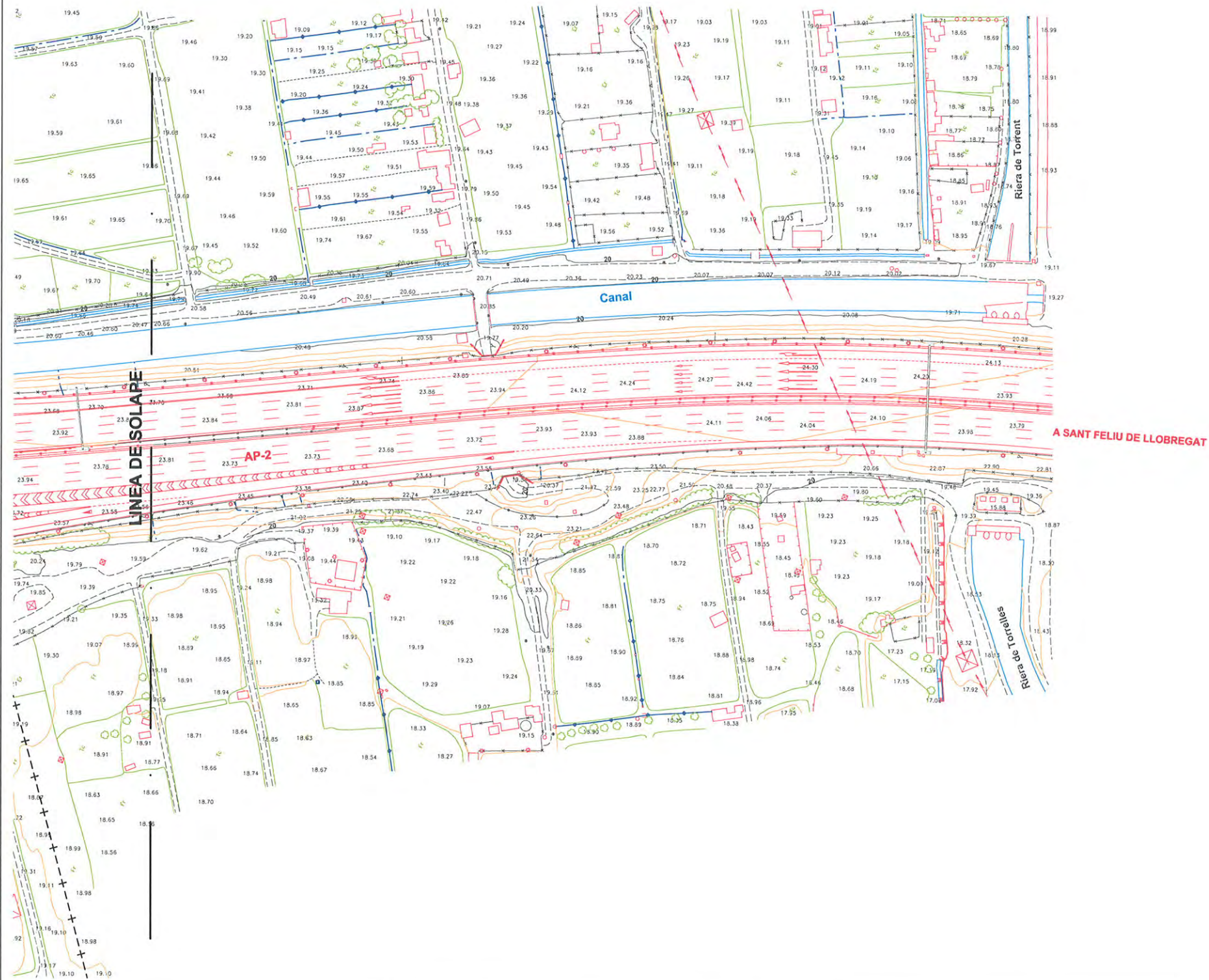
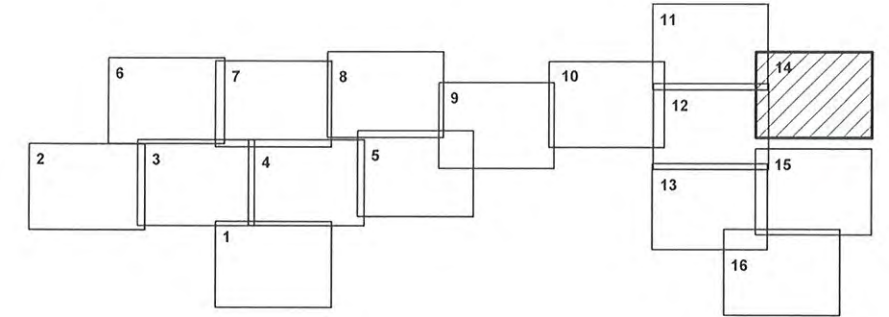
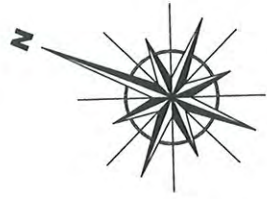
CARTOGRAFIA BAIX LLOBREGAT
HOJA 9 DE 16

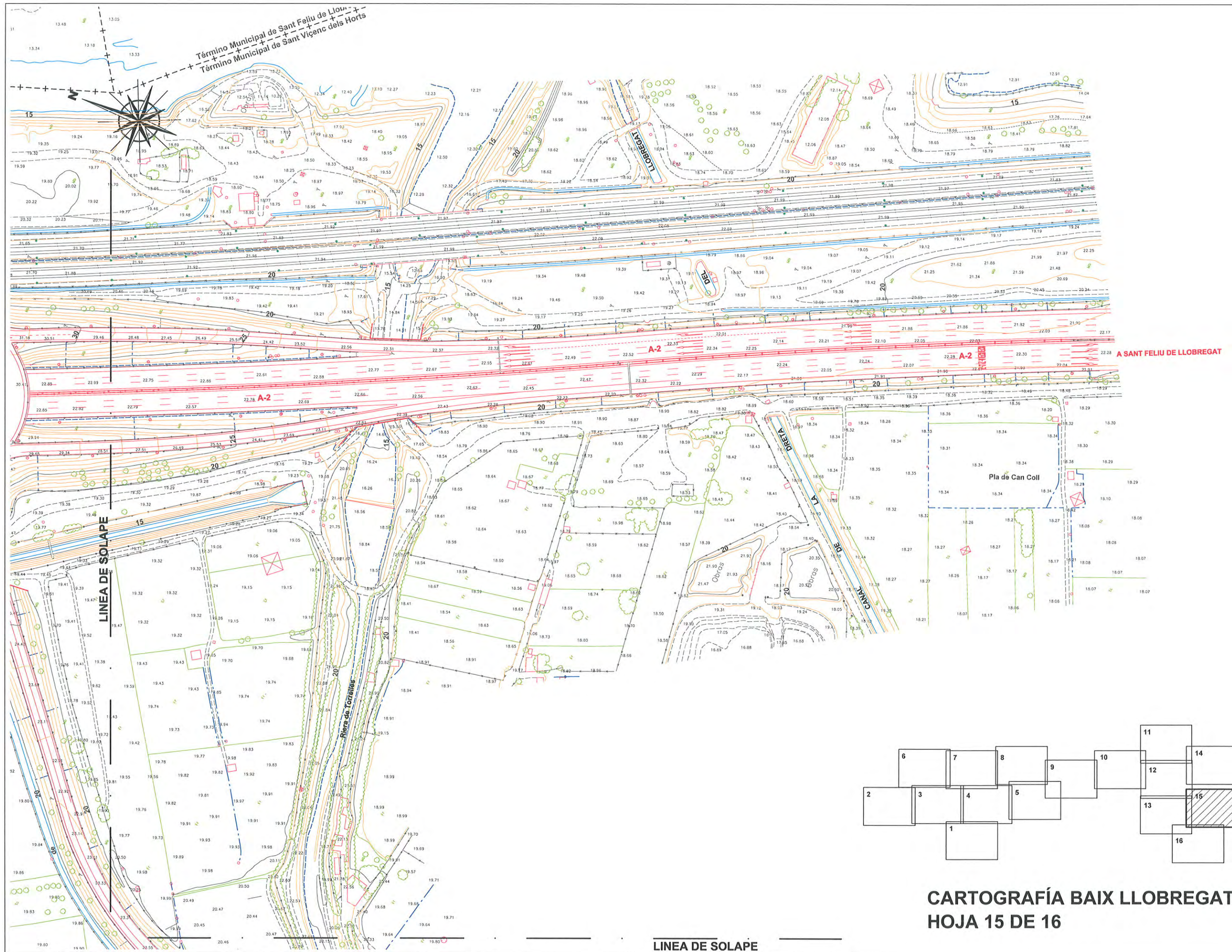






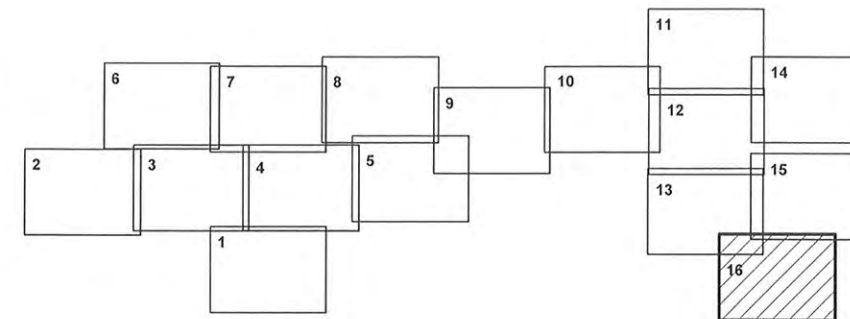
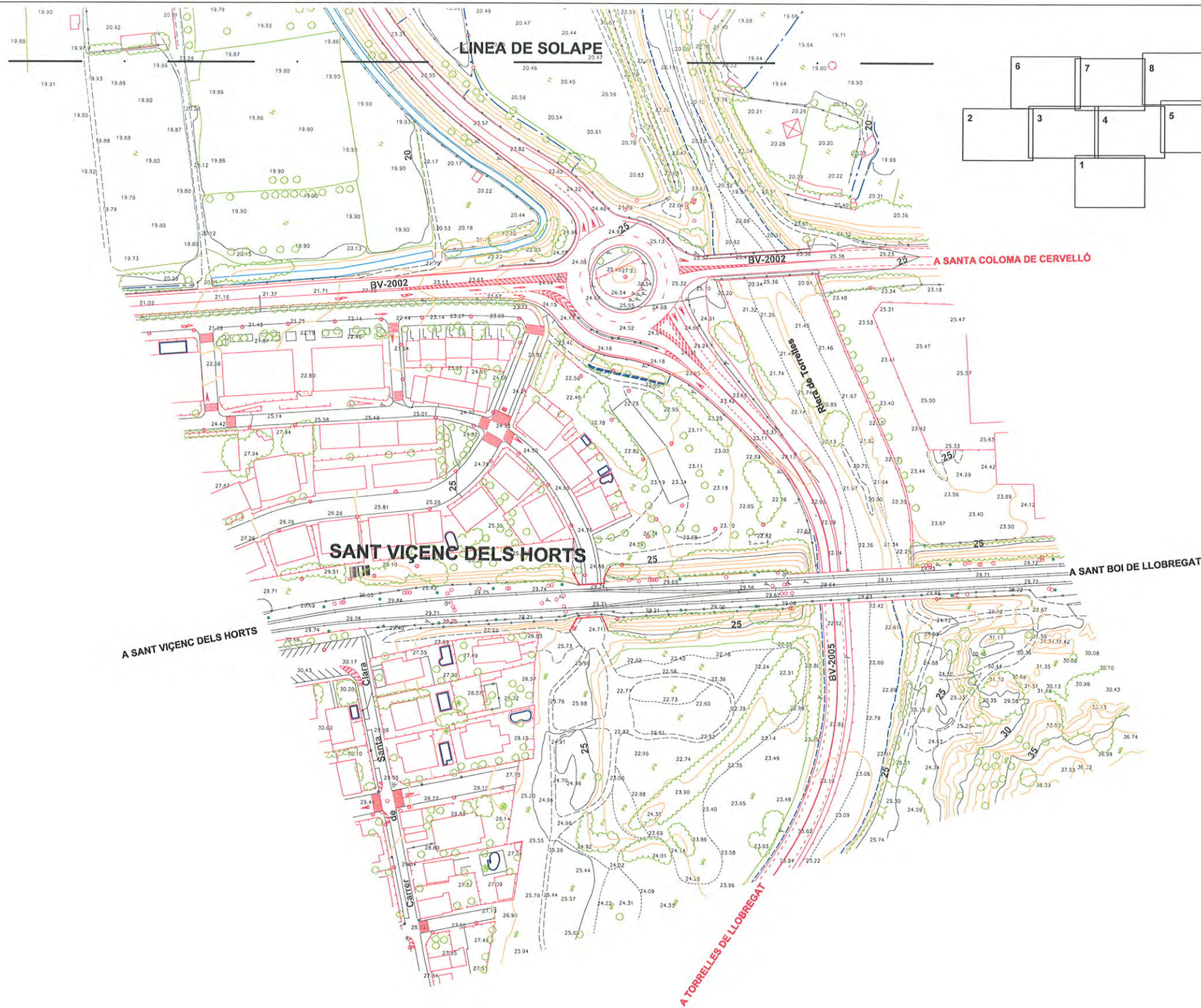
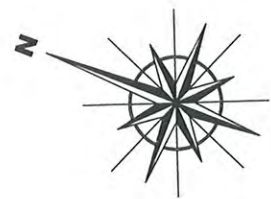




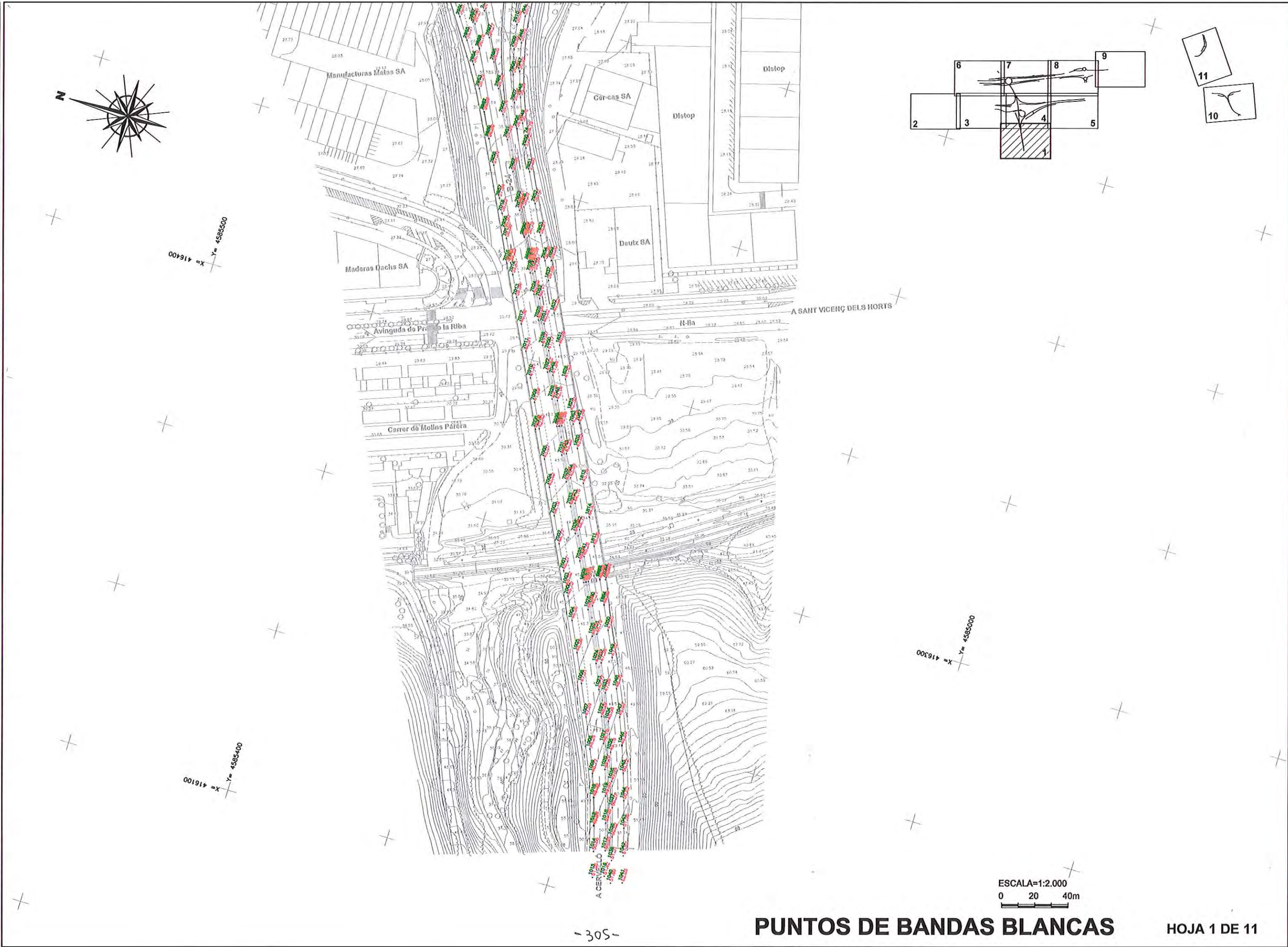


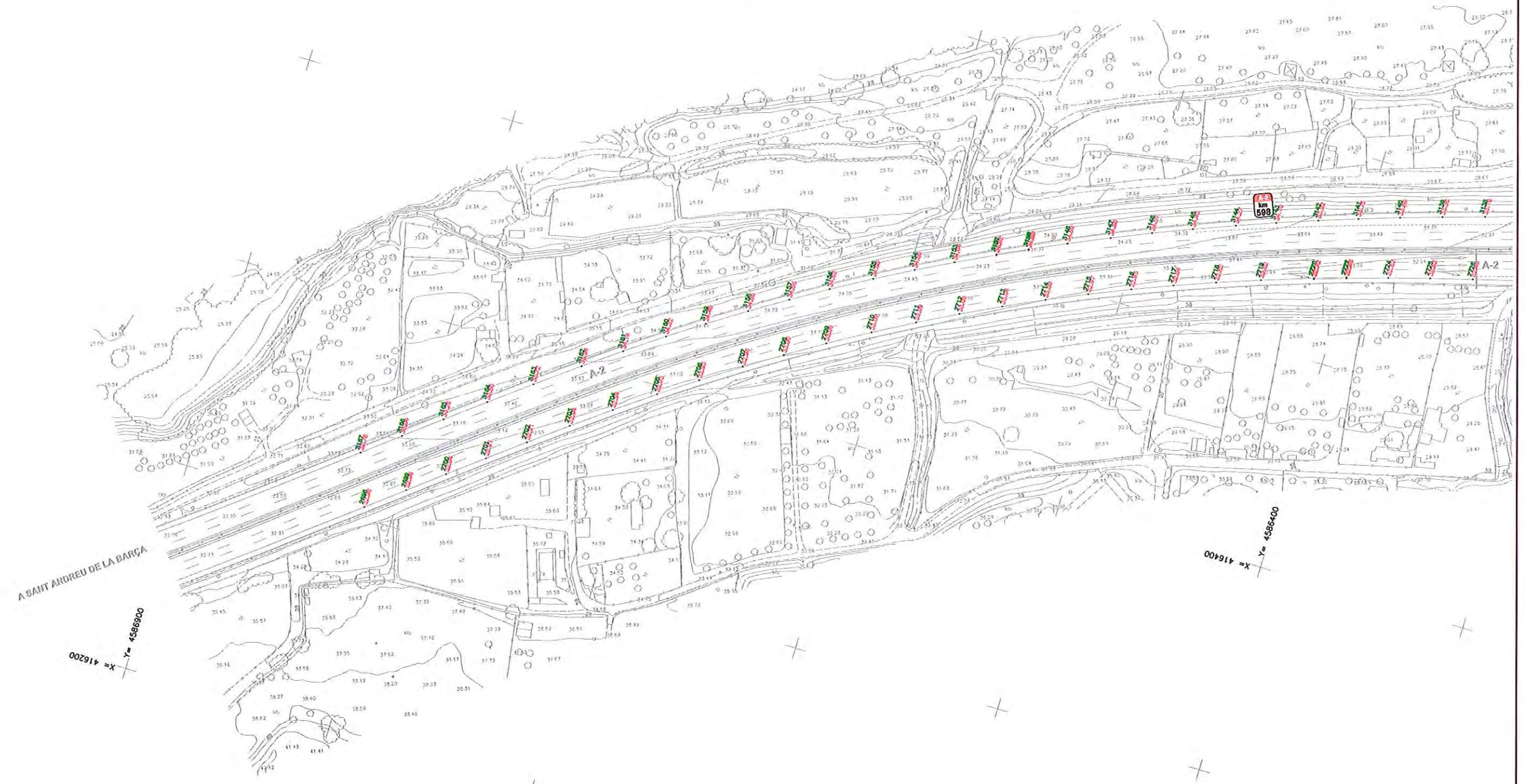
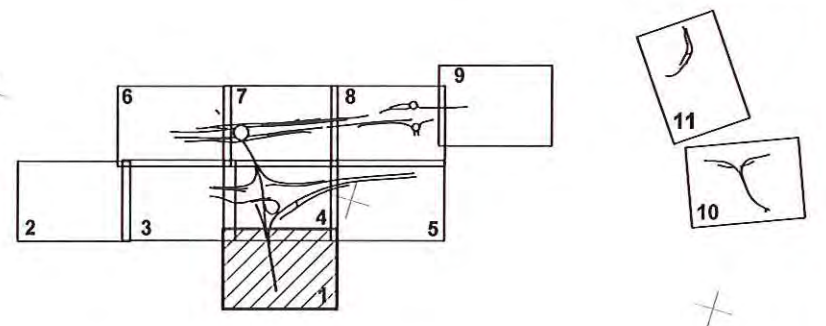
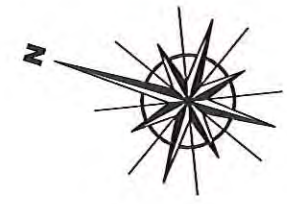
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CARTOGRAFÍA BAIX LLOBREGAT
HOJA 15 DE 16

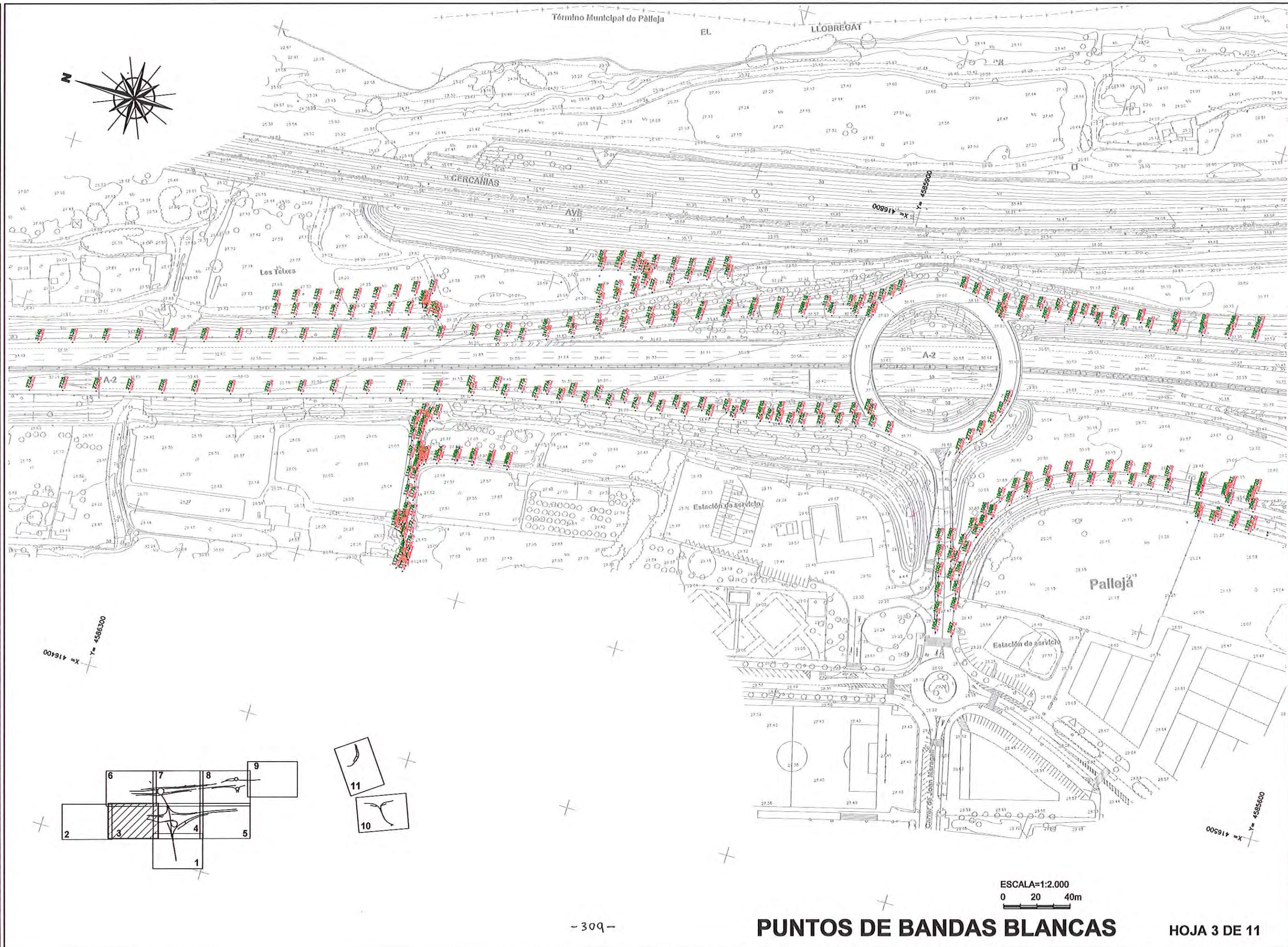


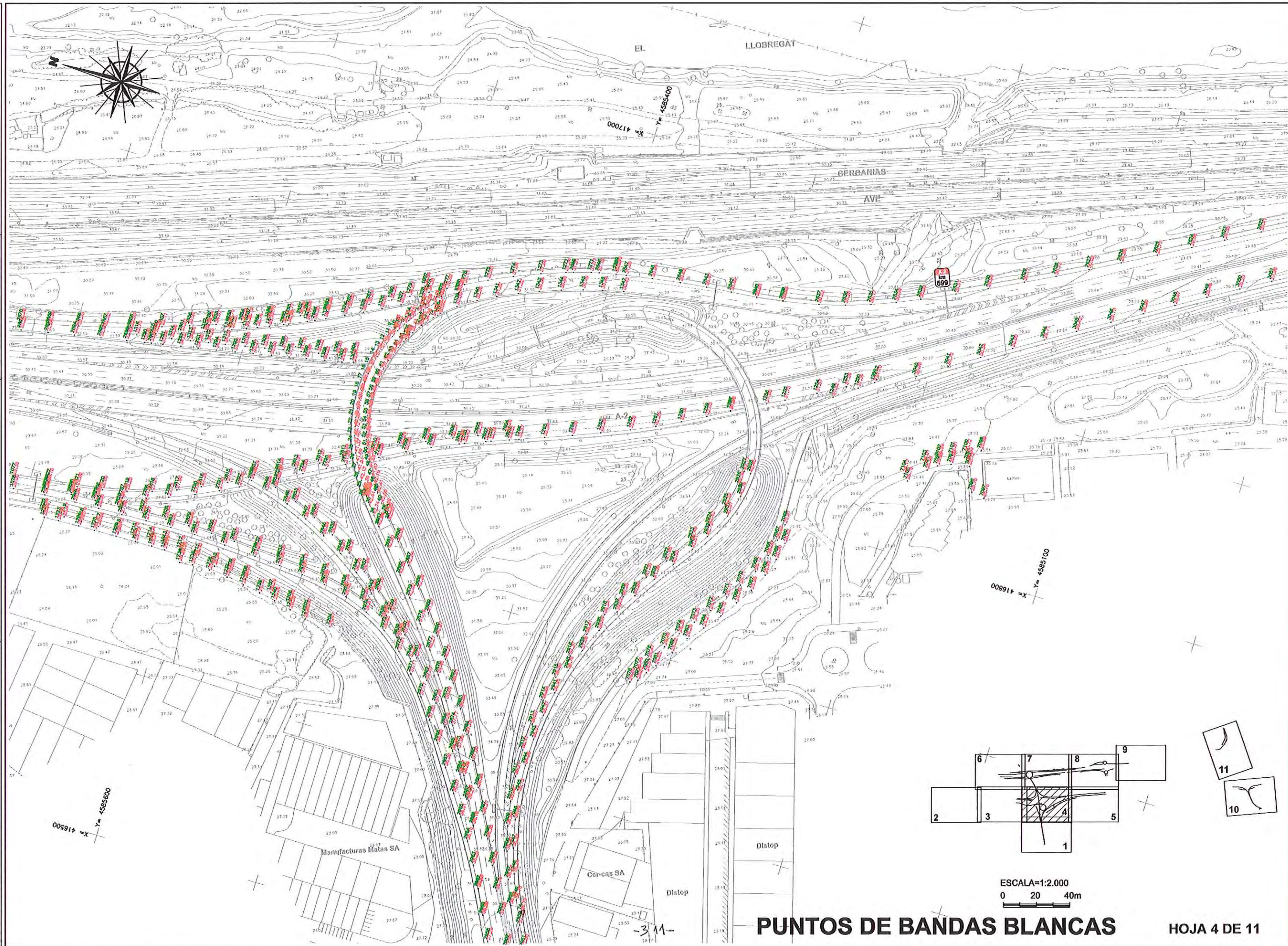
3.17.2.- Bandas blancas





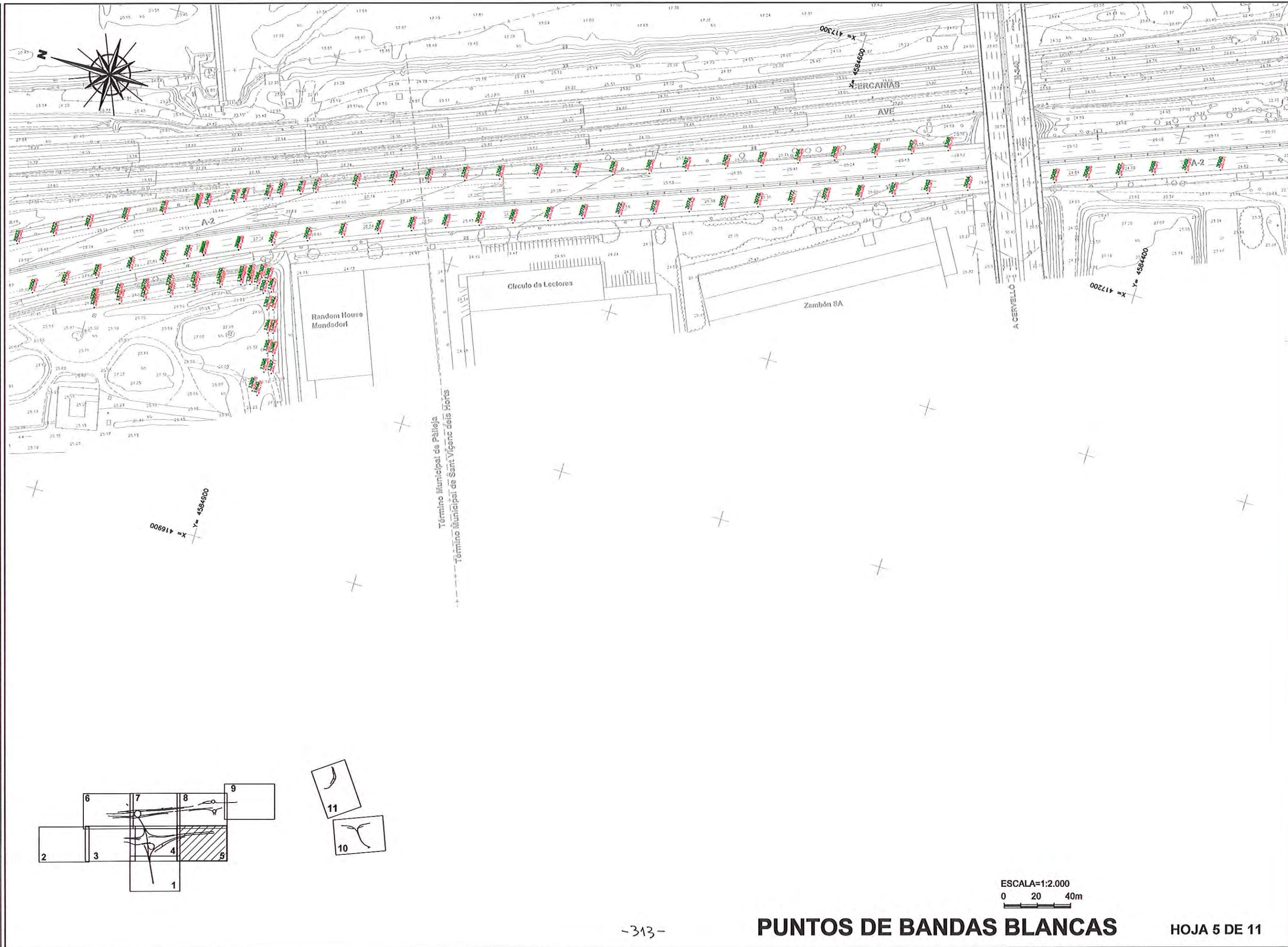
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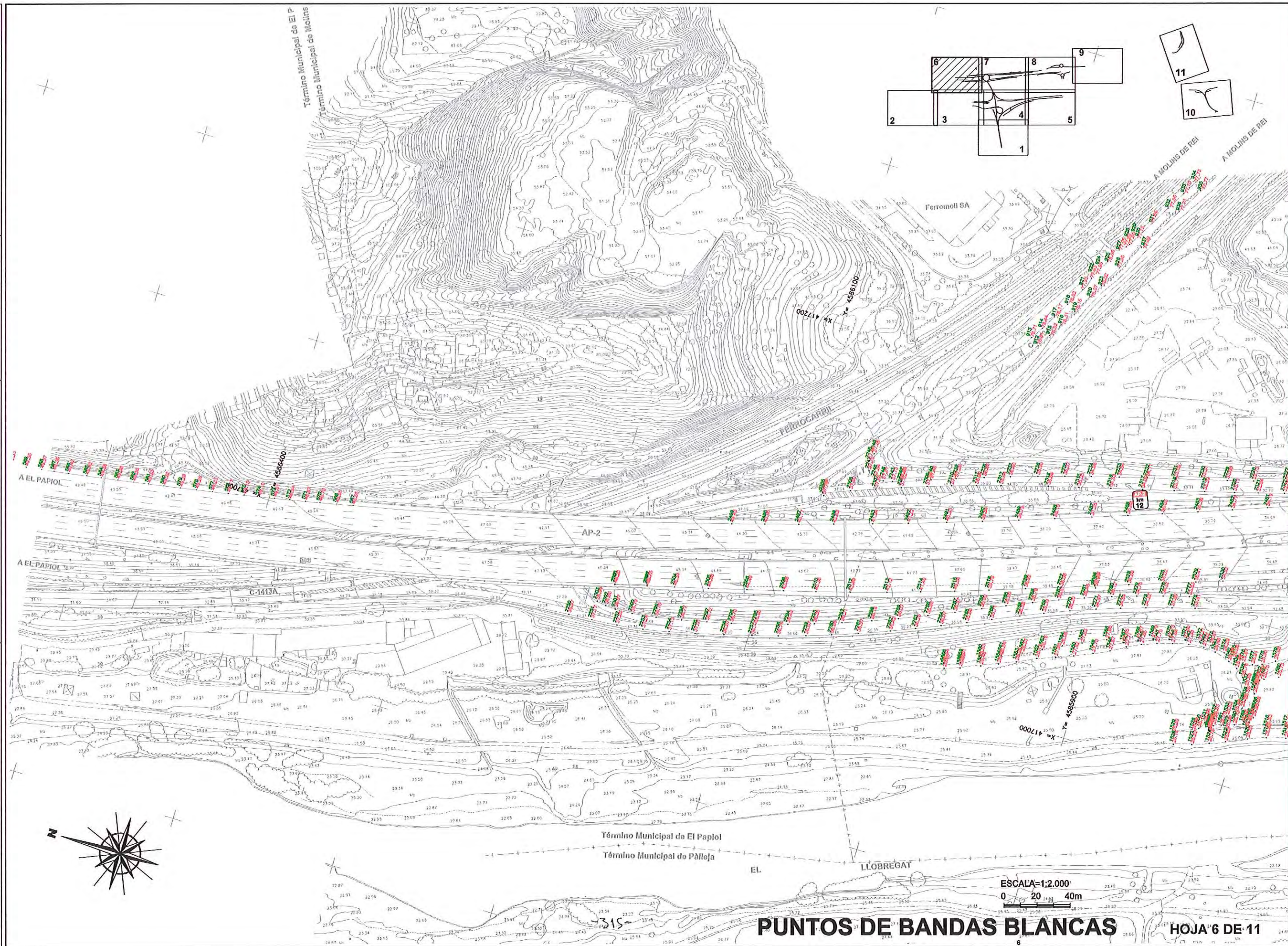


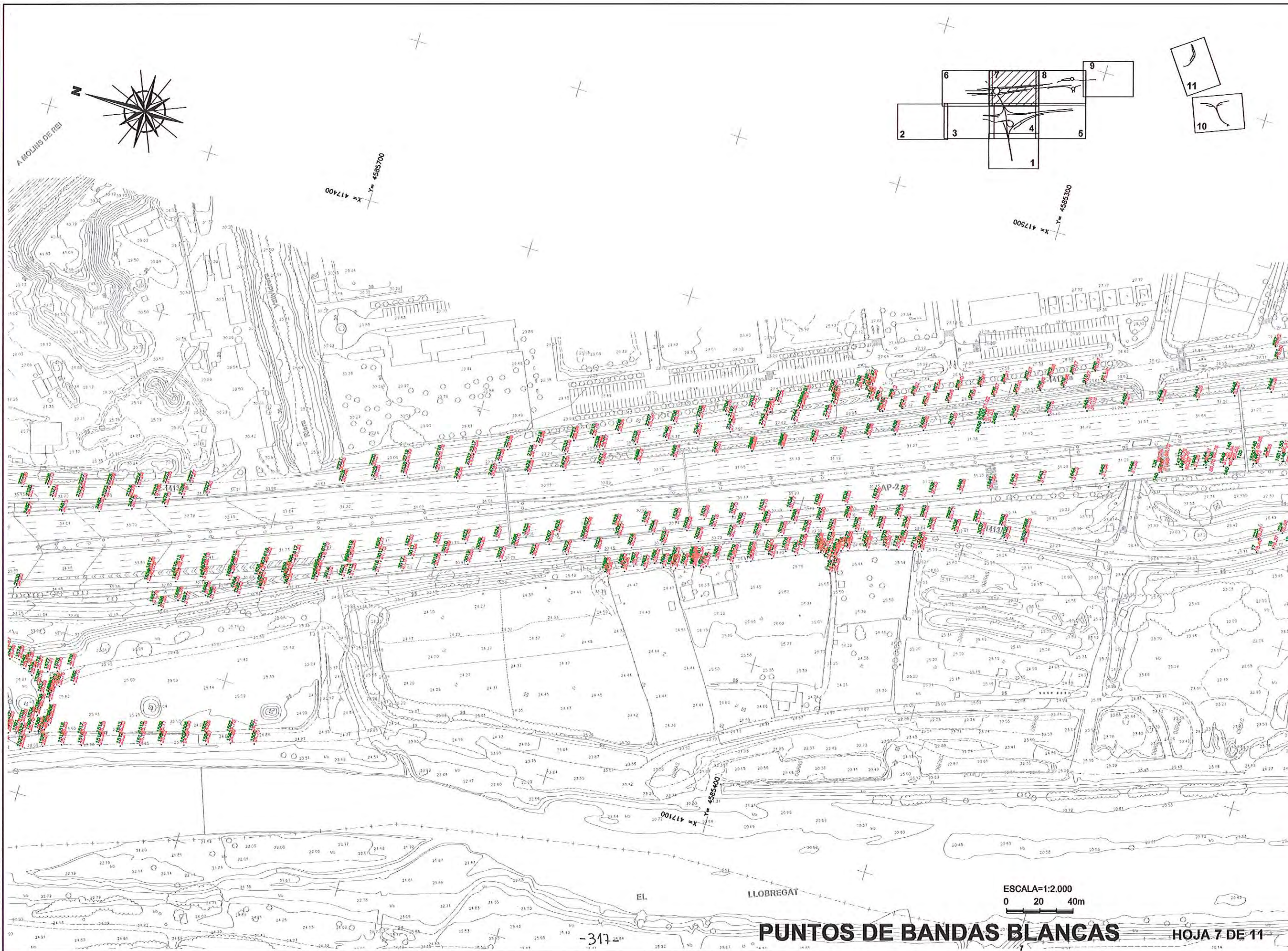
PUNTOS DE BANDAS BLANCAS

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NOMBRE DEL FICHERO: 0-BANDASBLANCAS-04.DWG	VERIFICADO POR: VALERIANO RUIZ RUBIO	FECHA: 19/11/2012	SUSTITUIDO POR:

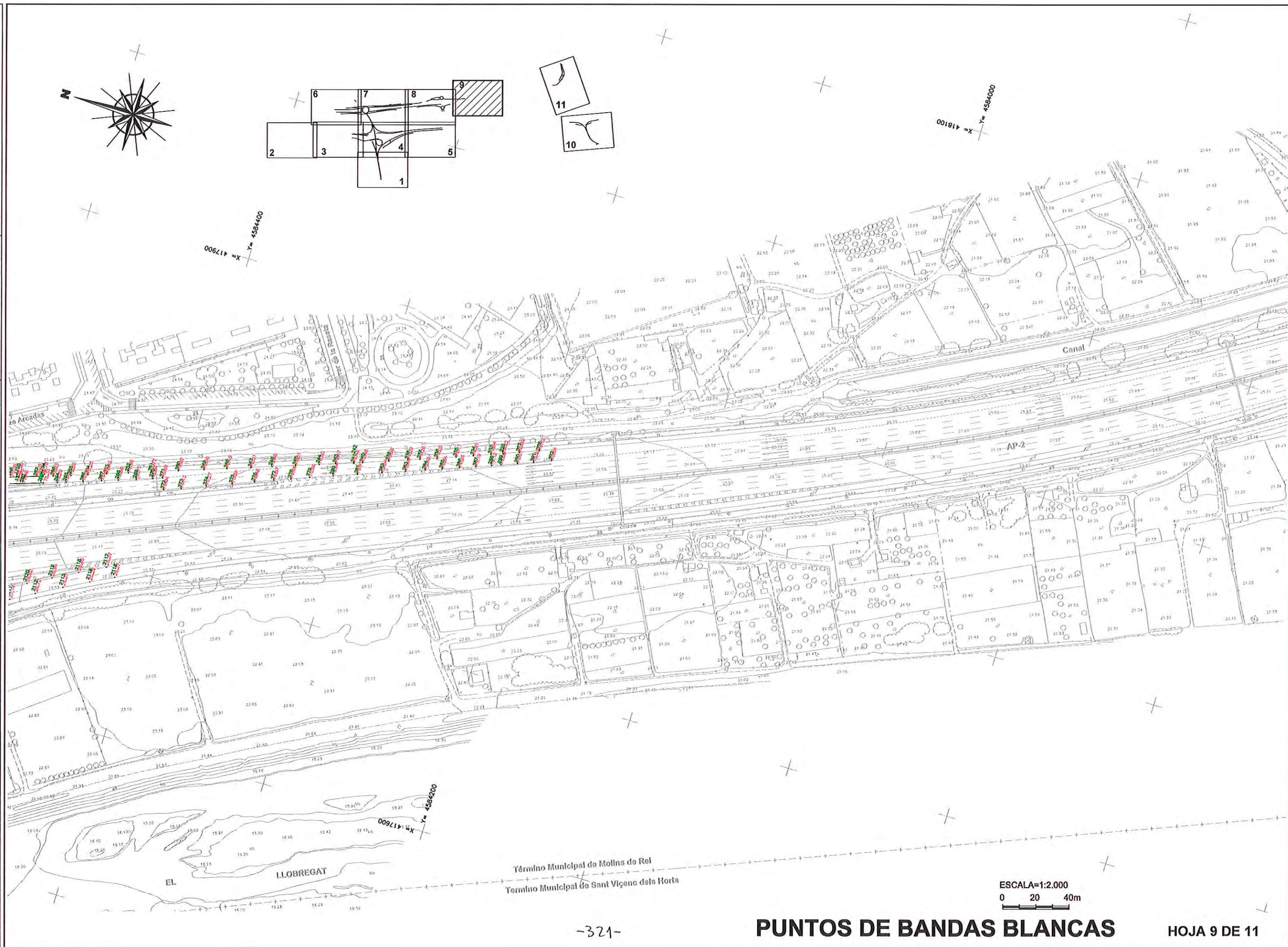


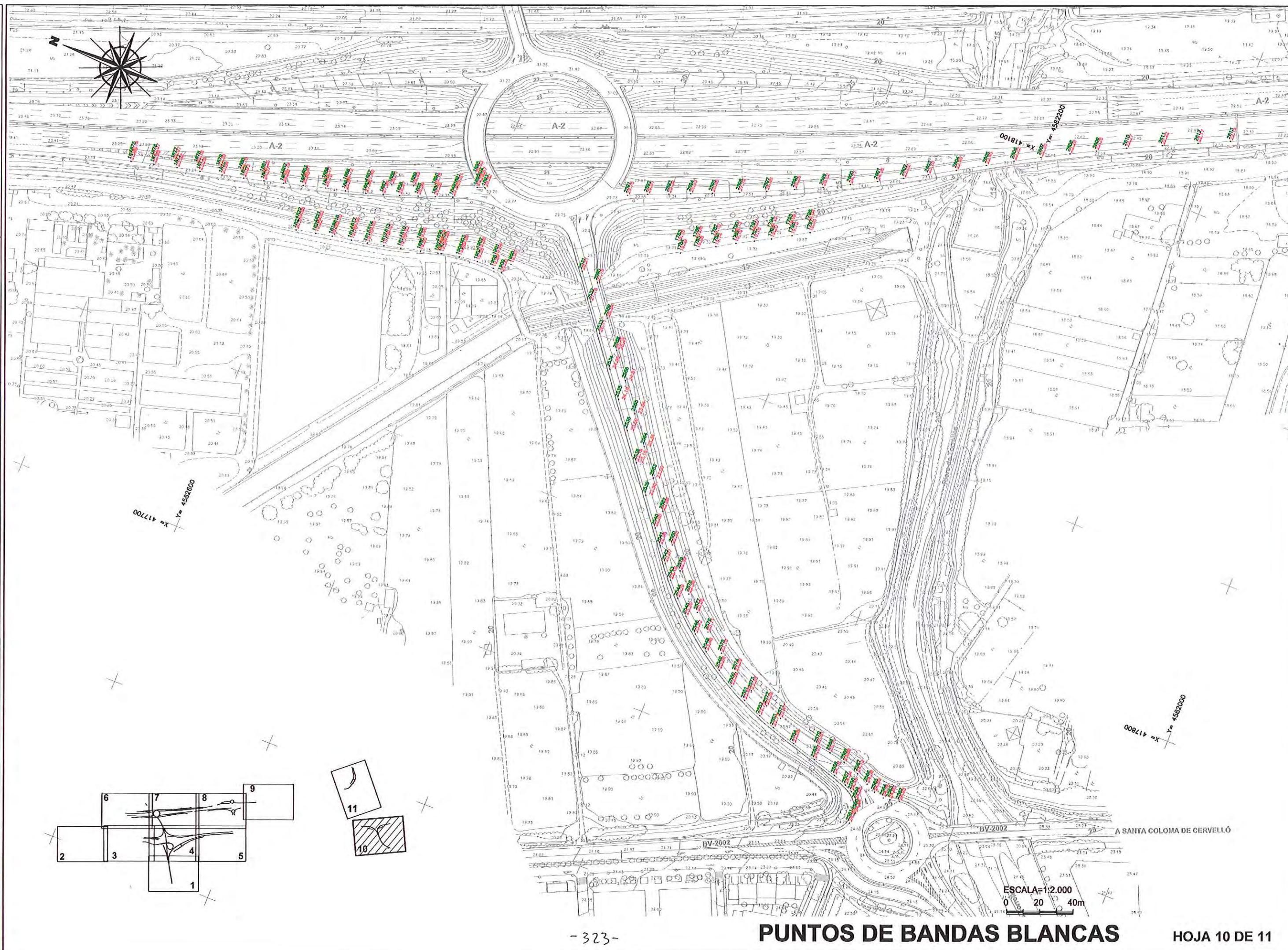
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NOMBRE DEL FICHERO: 0-bandasblancas-06.DWG	VERIFICADO POR: VALERIANO RUIZ RUBIO	FECHA: 19/11/2012	SUSTITUIDO POR:

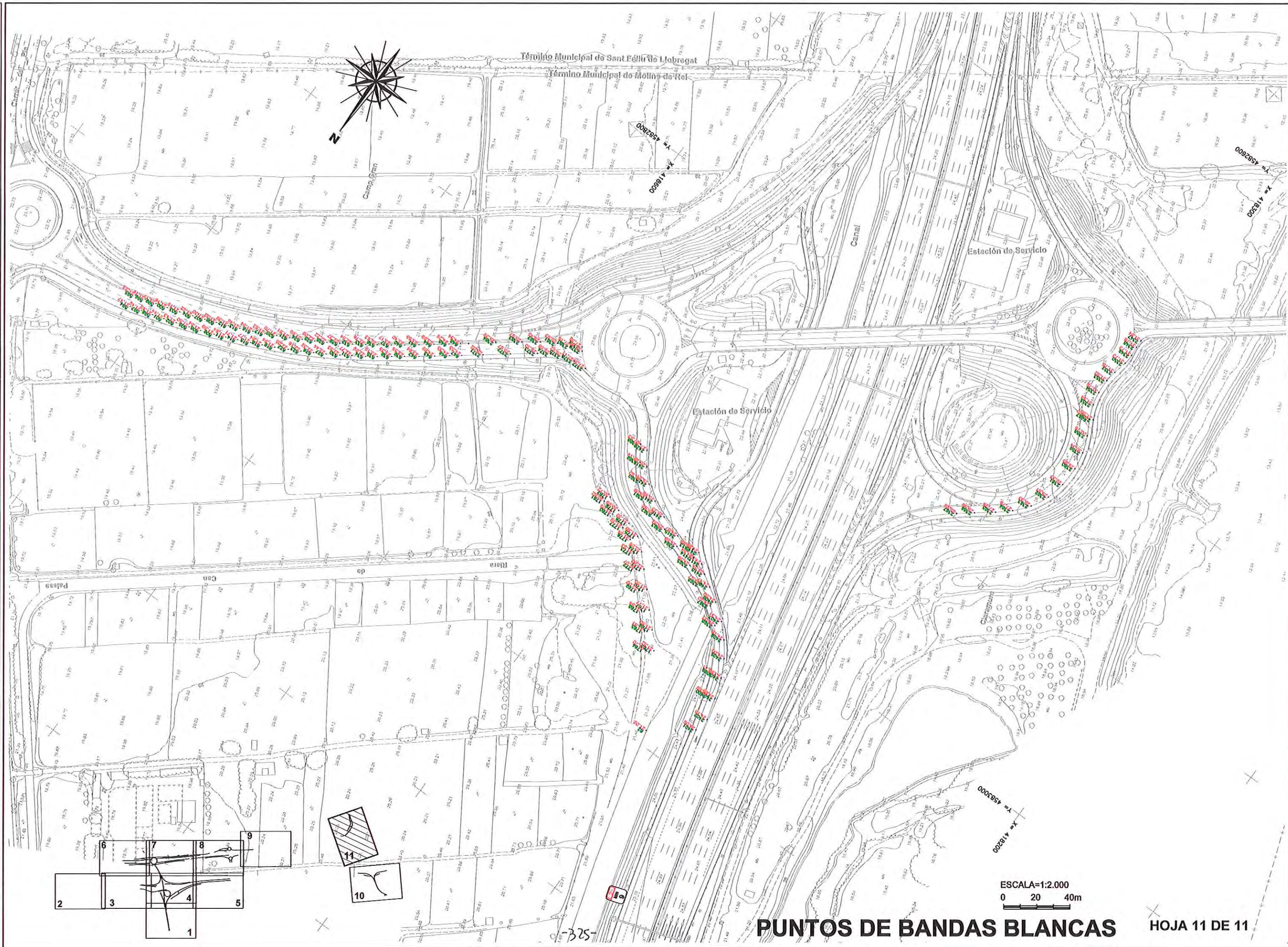










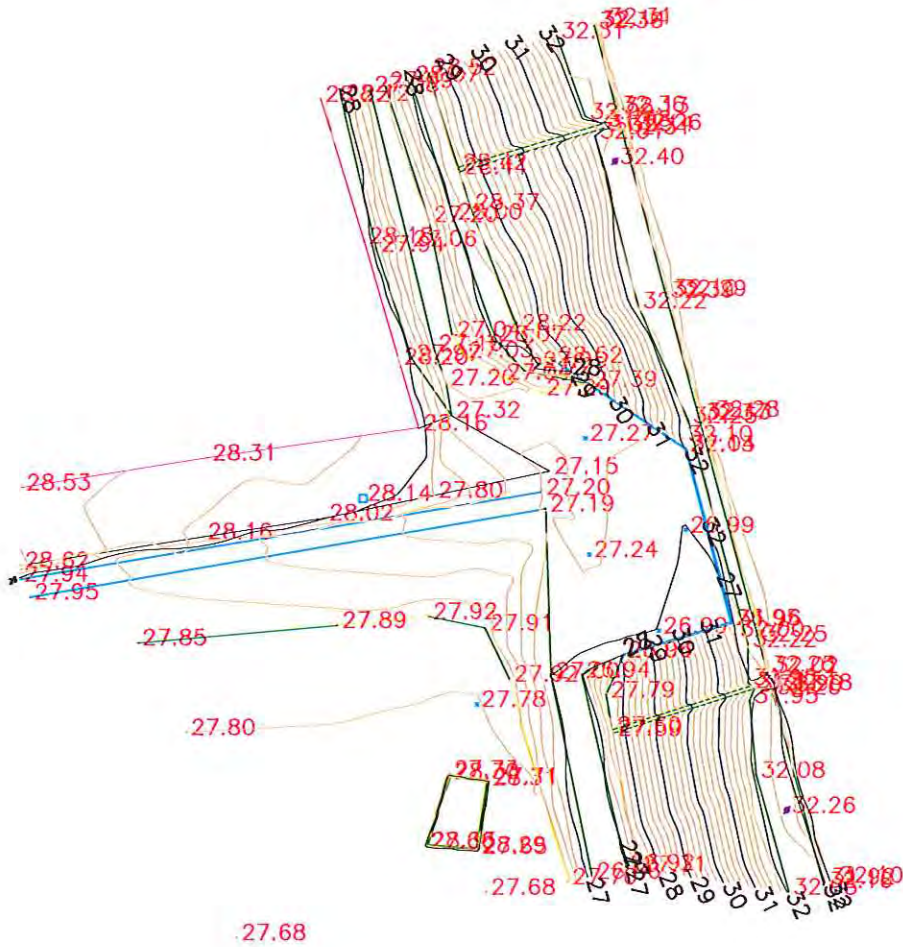


3.17.3.- Taquimétricos

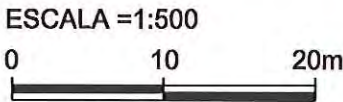
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NOMBRE DEL FICHERO:	VERIFICADO POR: VALERIANO RUIZ RUBIO	FECHA:	SUSTITUIDO POR:

TAQUIMÉTRICO MARCO P.K. 598,1 DE LA A-2

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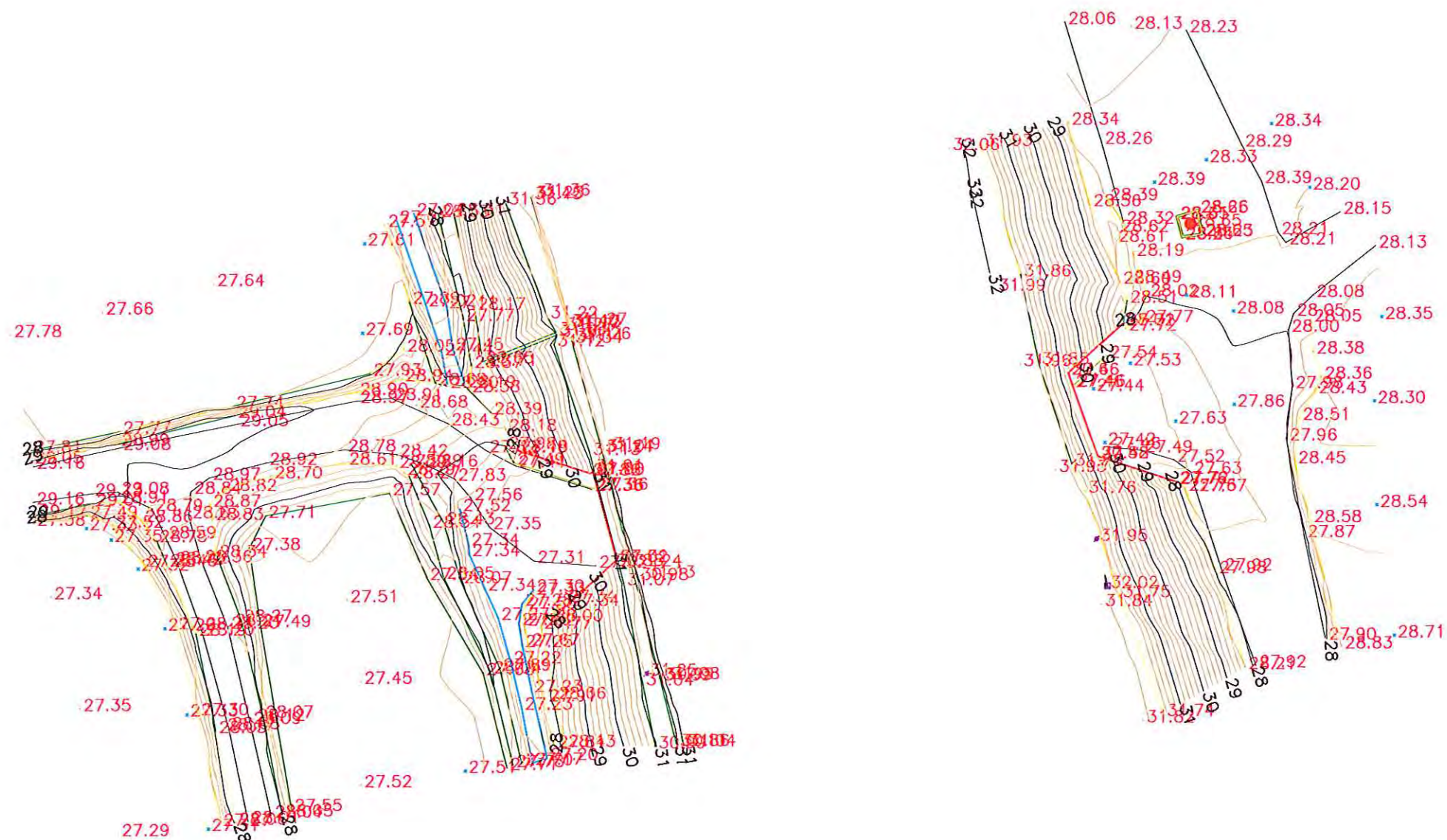
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CODIGO DE PROYECTO: PC-BAIX	REALIZADO POR: JOSE BARBERO MARTINEZ	REVISION N.º:	SUSTITUYE A:
NOMBRE DEL FICHERO:	VERIFICADO POR: VALERIANO RUIZ RUBIO	FECHA:	SUSTITUIDO POR:

TAQUIMÉTRICO MARCO P.K. 598,3 DE LA A-2

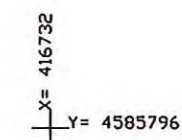
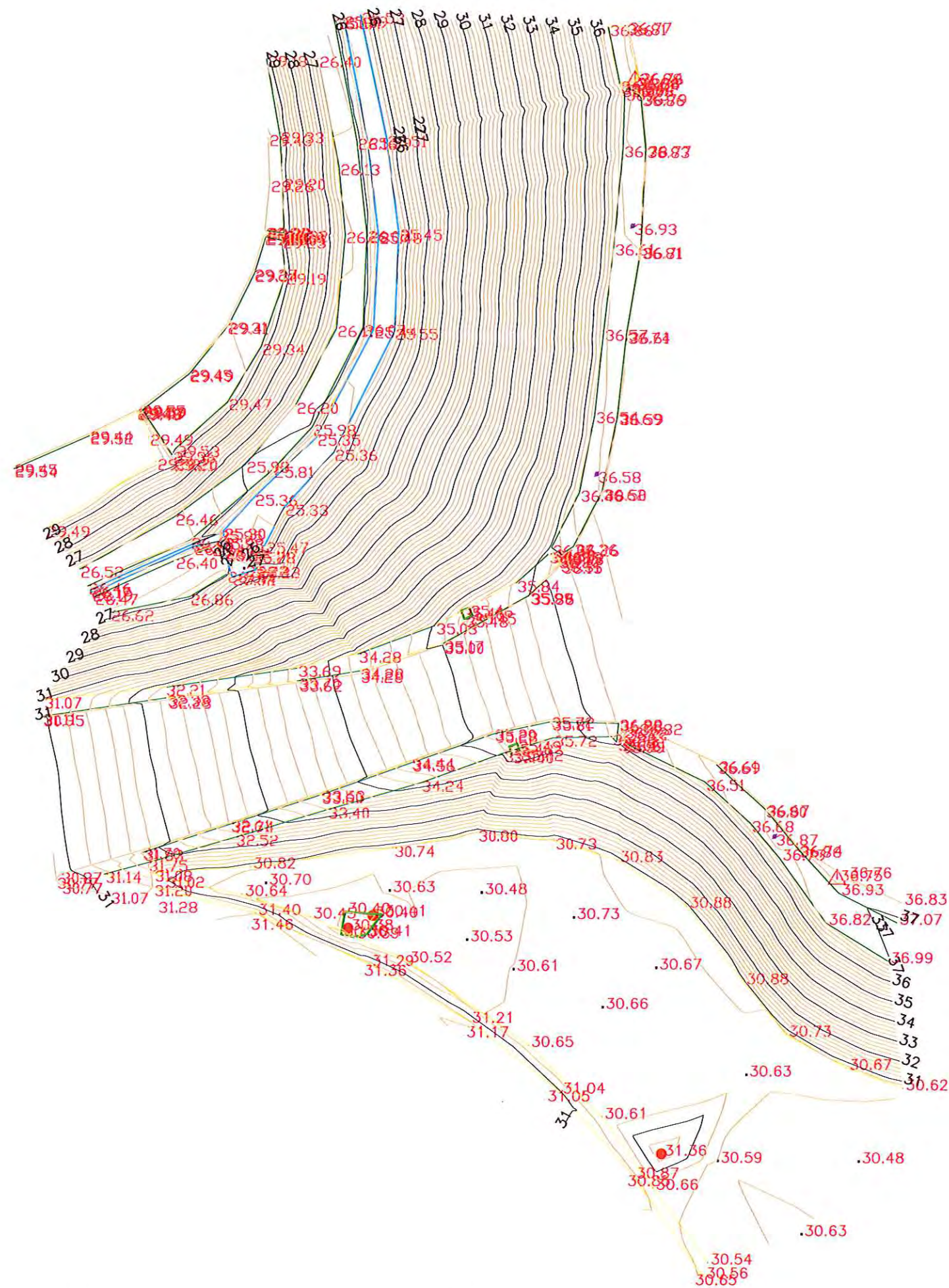
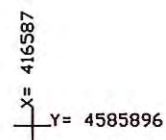
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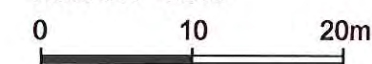
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CODIGO DE PROYECTO:	PC-BAIX	REALIZADO POR:	JOSE BARBERO MARTINEZ	REVISION N º:	SUSTITUYE A:
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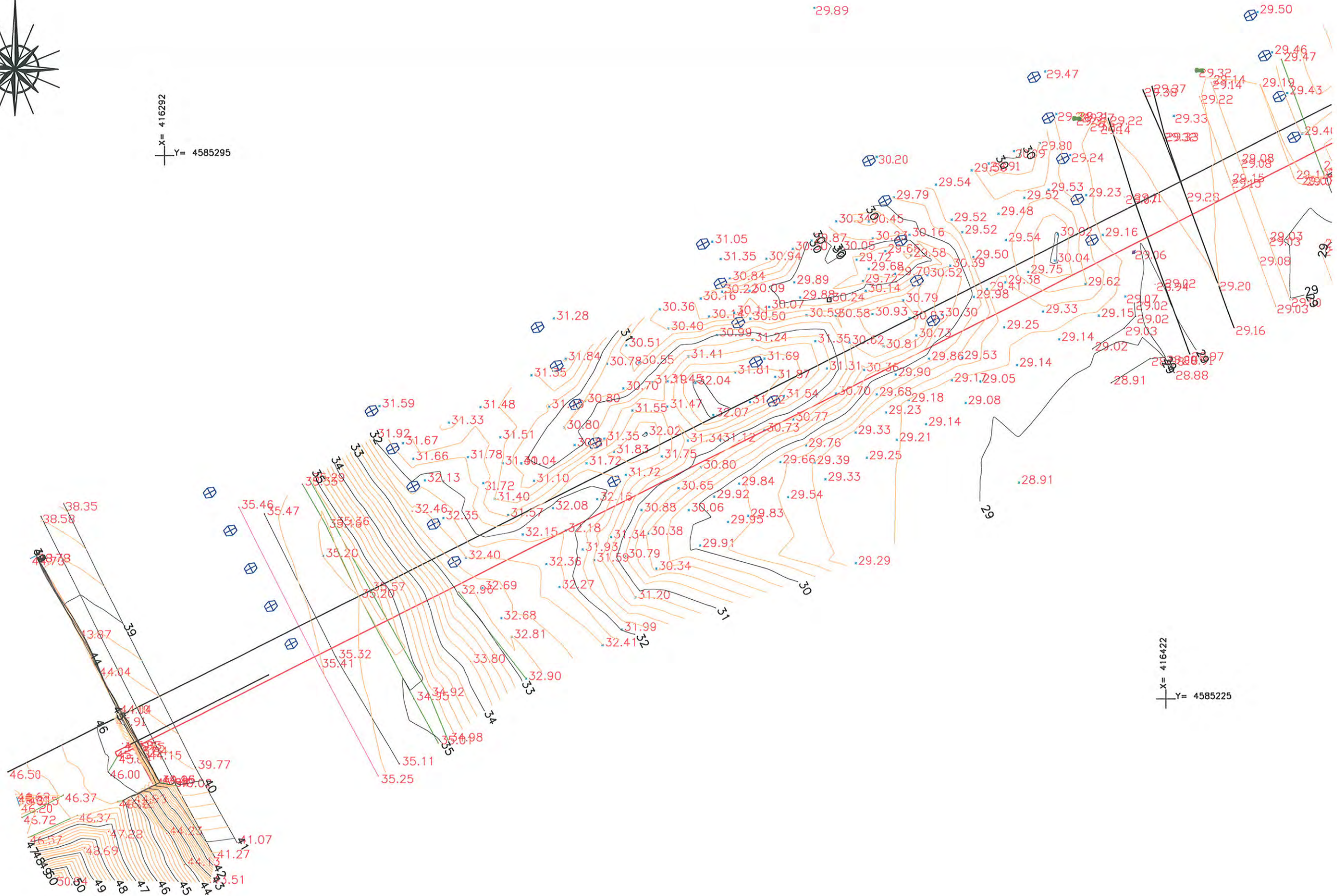


TAQUIMÉTRICO VIAL DE ACCESO A ROTONDA DE PALLEJÀ

CODIGO DE PROYECTO: PC-BAIX NOMBRE DEL FICHERO:	REALIZADO POR: JOSE BARBERO MARTINEZ VERIFICADO POR: VALERIANO RUIZ RUBIO	REVISION N.º: FECHA:	SUSTITUYE A: SUSTITUIDO POR:

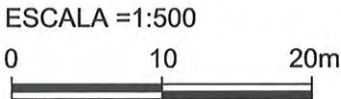


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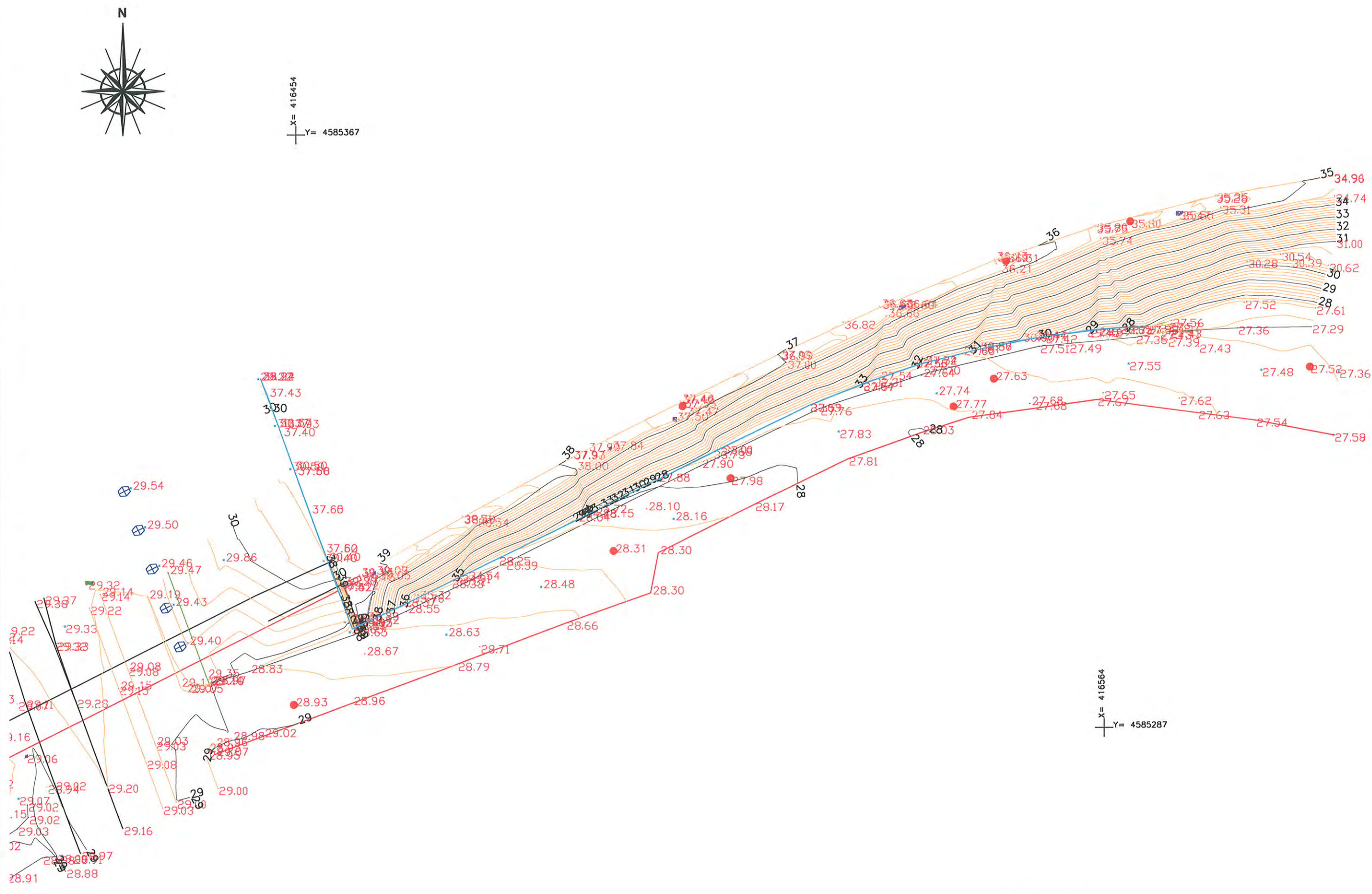


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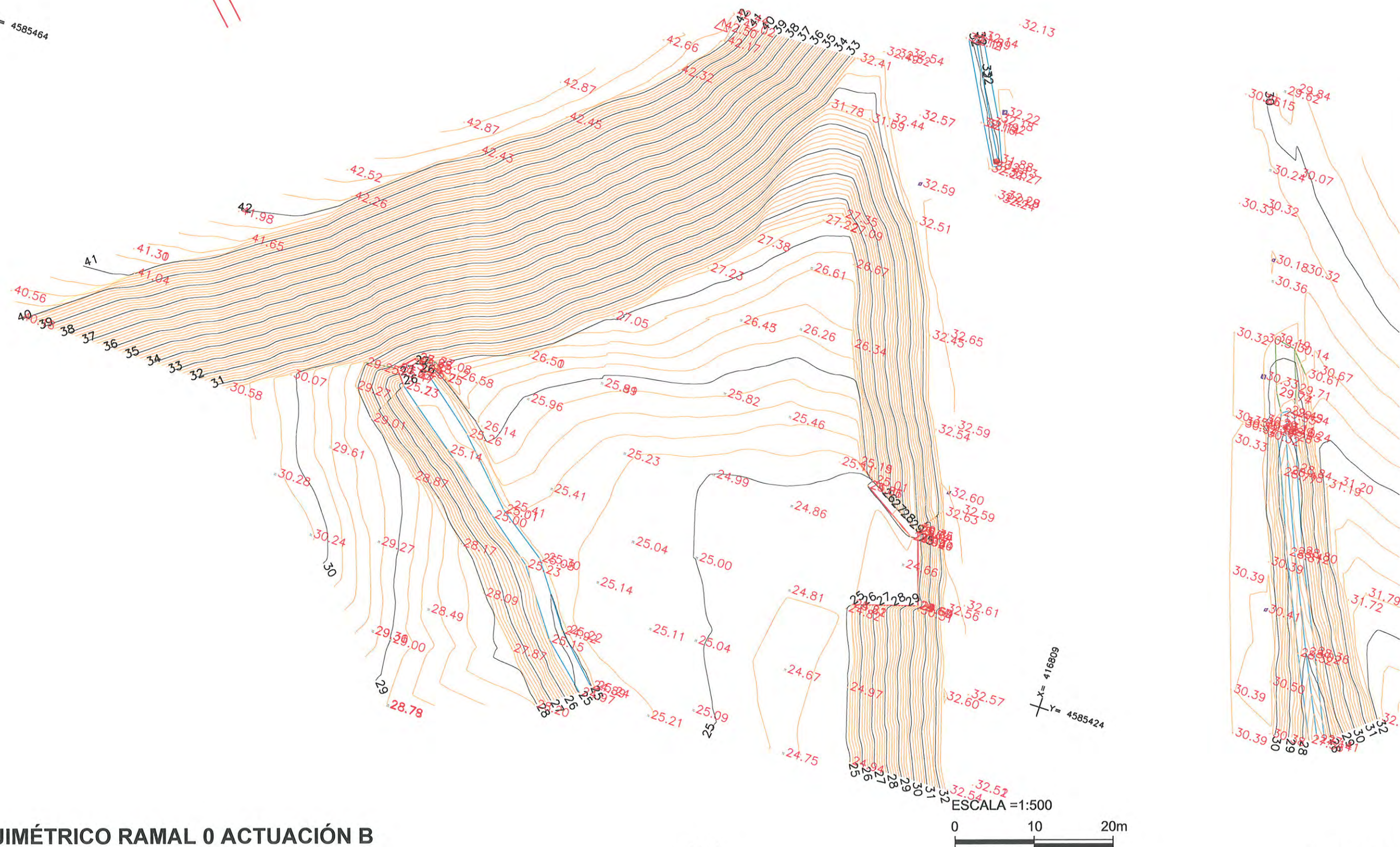
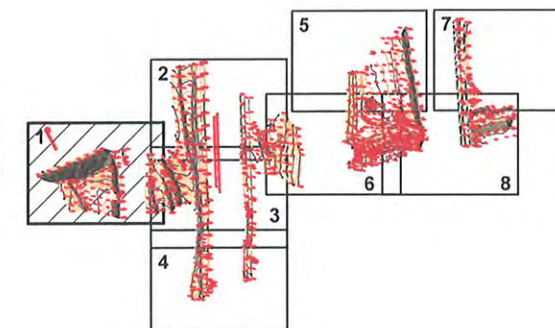
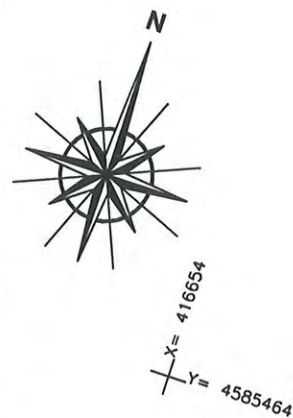


CODIGO DE PROYECTO: PC-BAIX	REALIZADO POR: JOSE BARBERO MARTINEZ	REVISION N.º:	SUSTITUYE A:
NOMBRE DEL FICHERO:	VERIFICADO POR: VALERIANO RUIZ RUBIO	FECHA:	SUSTITUIDO POR:



TAQUIMÉTRICO ESTRUCTURA EN B-24. RAMAL 0. ACTUACIÓN B

CODIGO DE PROYECTO: PC-BAIX	REALIZADO POR: JOSE BARBERO MARTINEZ		REVISION N.º:	SUSTITUYE A:
	VERIFICADO POR: VALERIANO RUIZ RUBIO		FECHA:	SUSTITUIDO POR:
NOMBRE DEL FICHERO:				

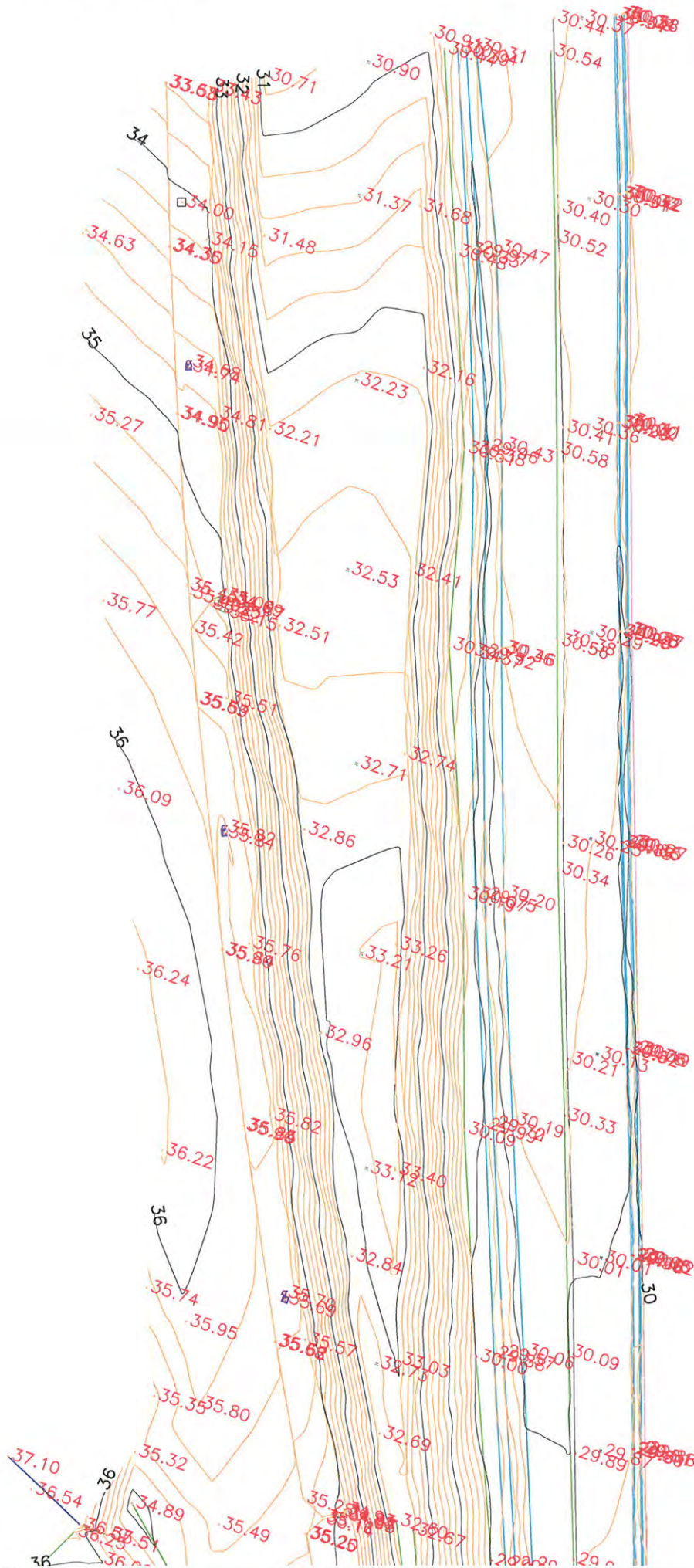


CODIGO DE PROYECTO: PC-BAIX	REALIZADO POR: JOSE BARBERO MARTINEZ	REVISION N.º:	SUSTITUYE A:
NOMBRE DEL FICHERO:	VERIFICADO POR: VALERIANO RUIZ RUBIO	FECHA:	SUSTITUIDO POR:

TAQUIMÉTRICO RAMAL 0 ACTUACIÓN B

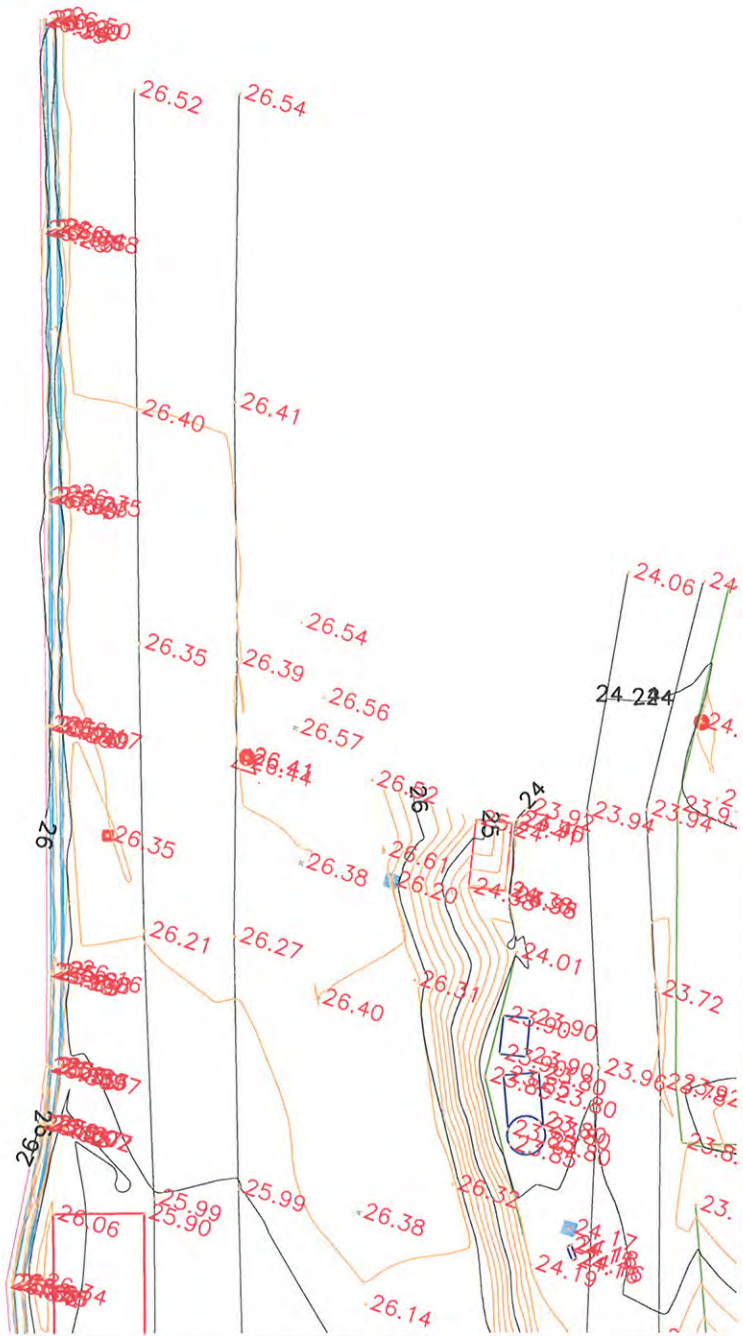
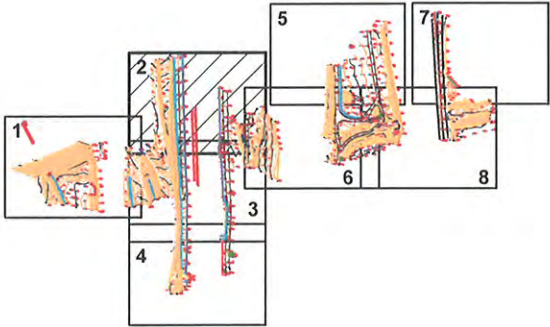


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Y= 4585518

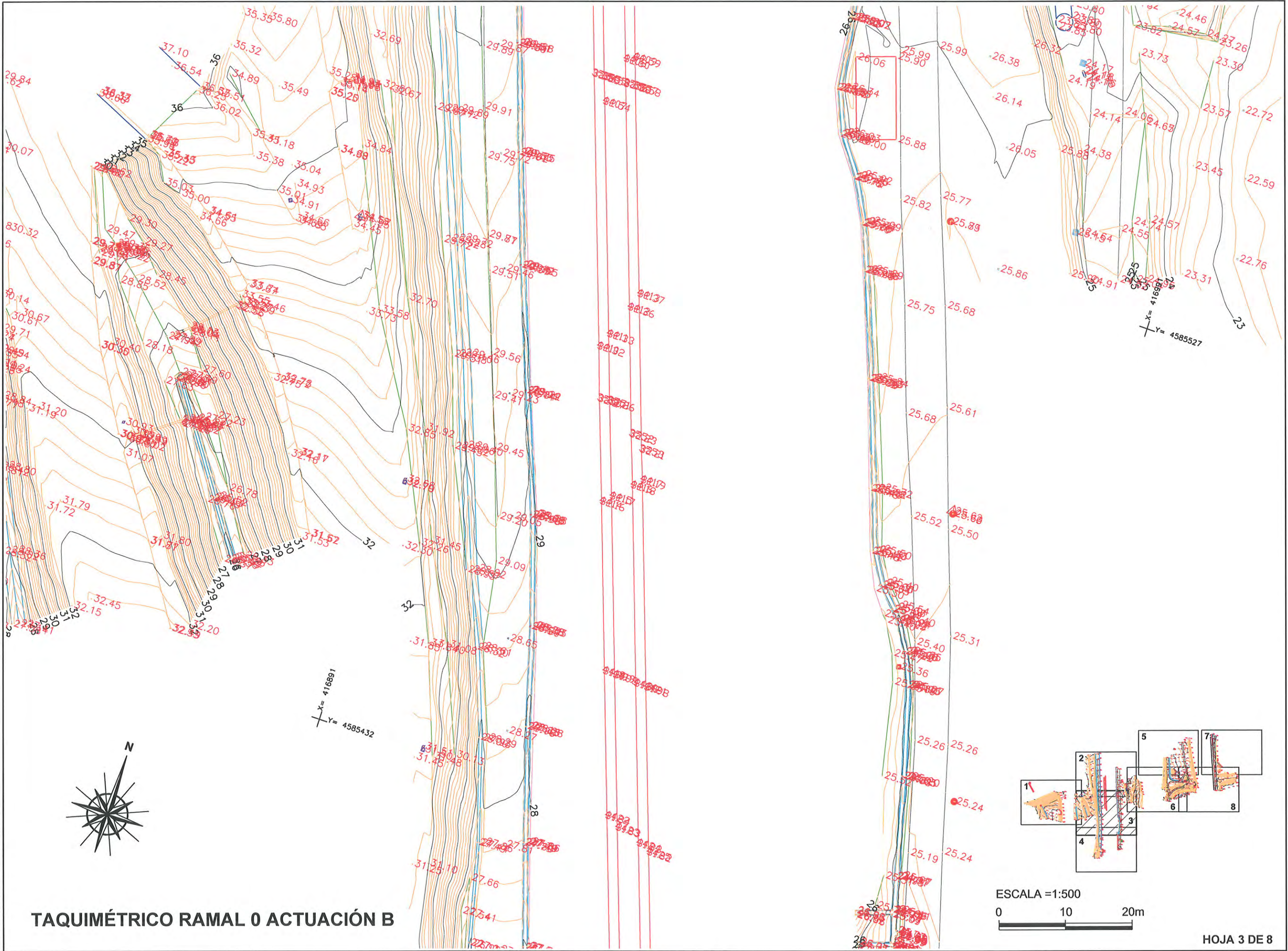


X= 416888
Y= 4585658

ESCALA =1:500
0 10 20m
HOJA 2 DE 8



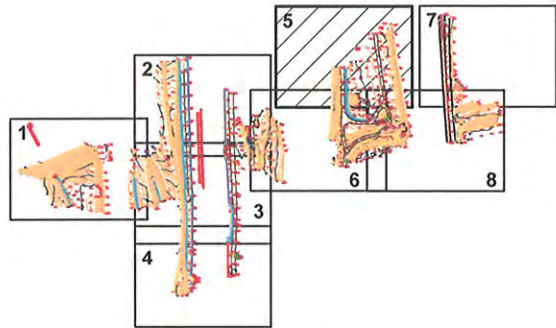
CODIGO DE PROYECTO: PC-BAIX	REALIZADO POR: JOSE BARBERO MARTINEZ		REVISION N.º:	SUSTITUYE A:
	VERIFICADO POR: VALERIANO RUIZ RUBIO		FECHA:	SUSTITUIDO POR:
NOMBRE DEL FICHERO:				



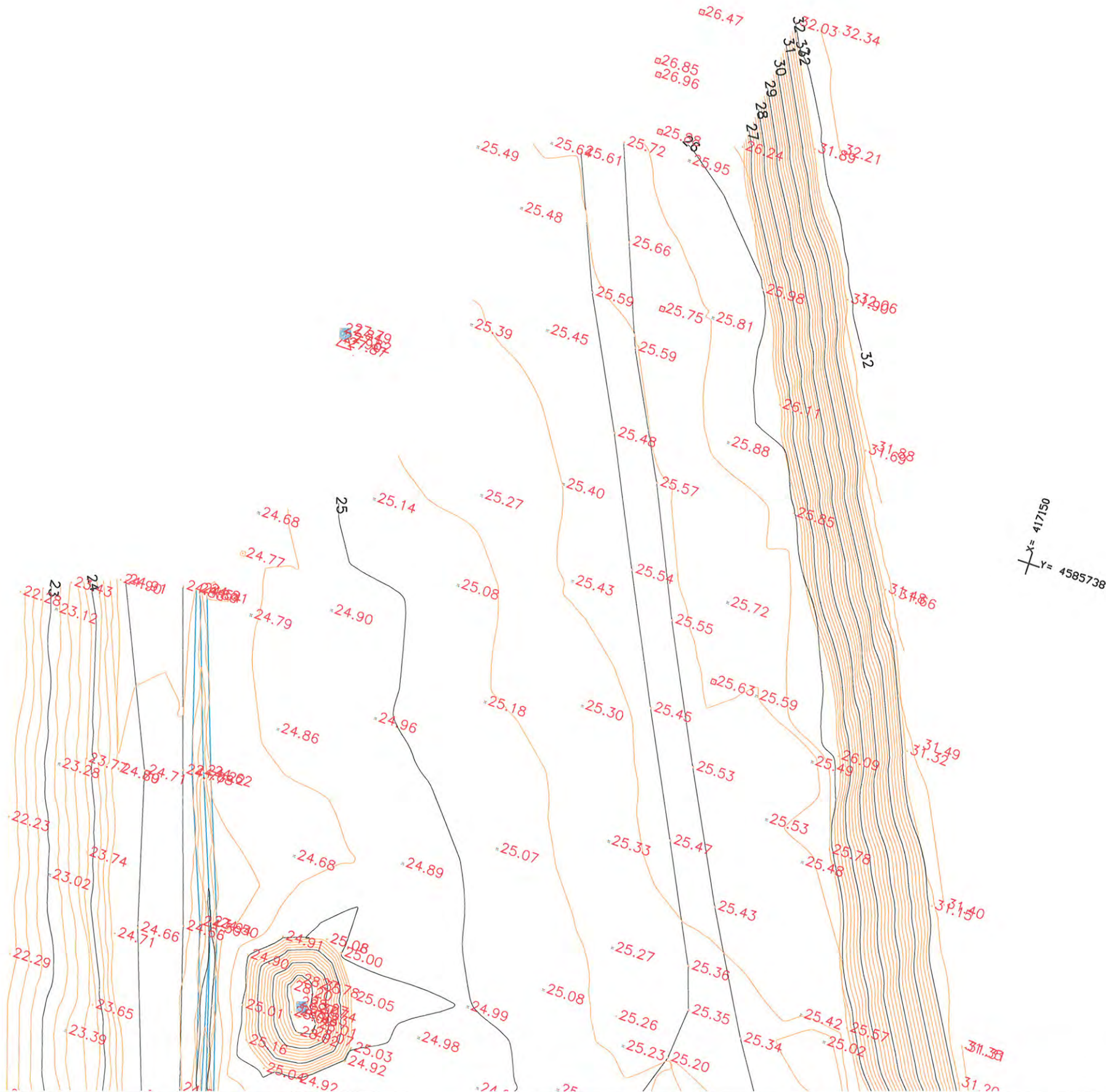
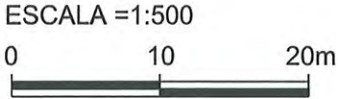
TAQUIMÉTRICO RAMAL 0 ACTUACIÓN B

ESCALA =1:500
0 10 20m

CODIGO DE PROYECTO: PC-BAIX	REALIZADO POR: JOSE BARBERO MARTINEZ		REVISION N.º:	SUSTITUYE A:
	VERIFICADO POR: VALERIANO RUIZ RUBIO		FECHA:	SUSTITUIDO POR:

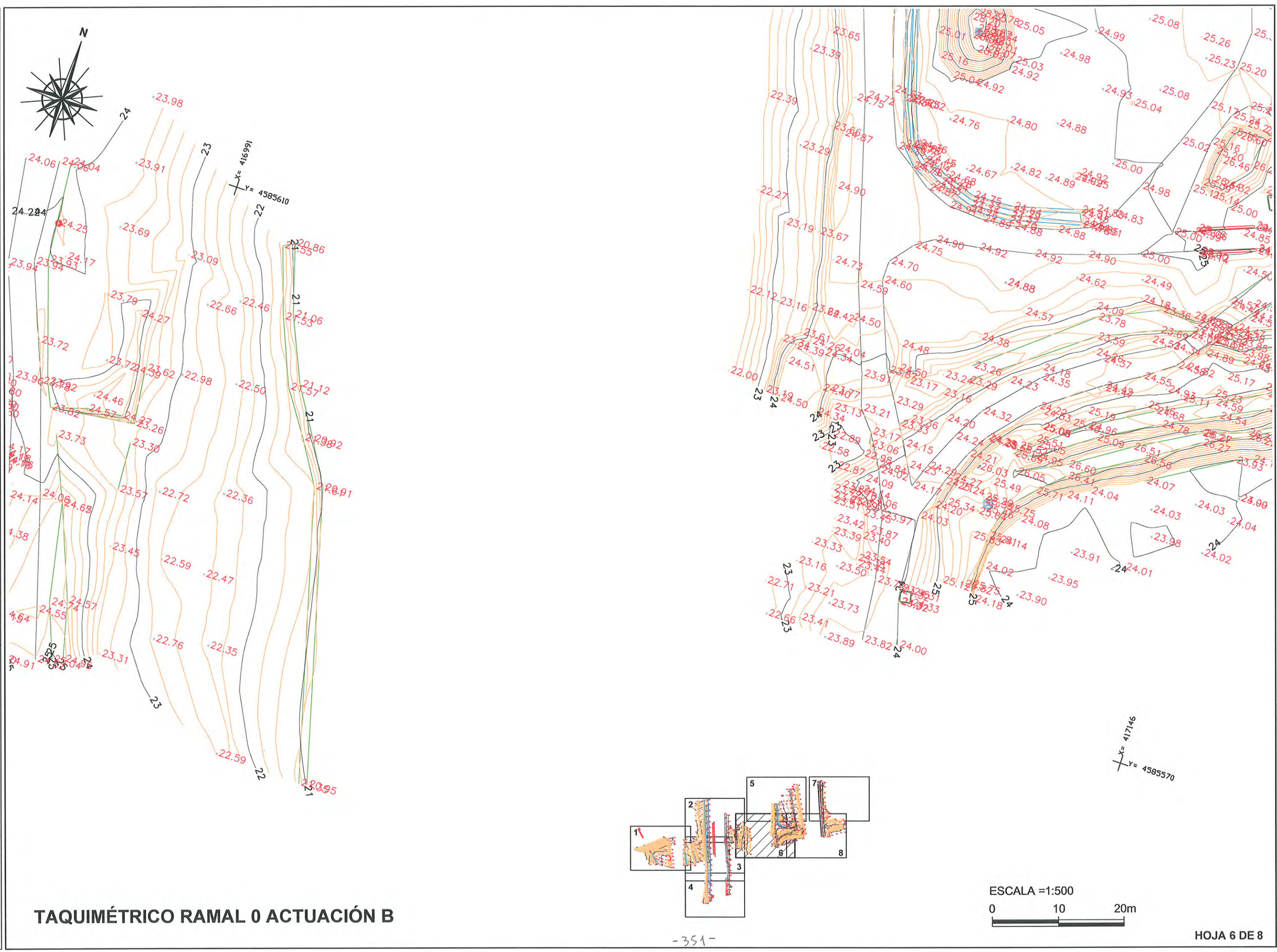


X= 416975
Y= 4585748



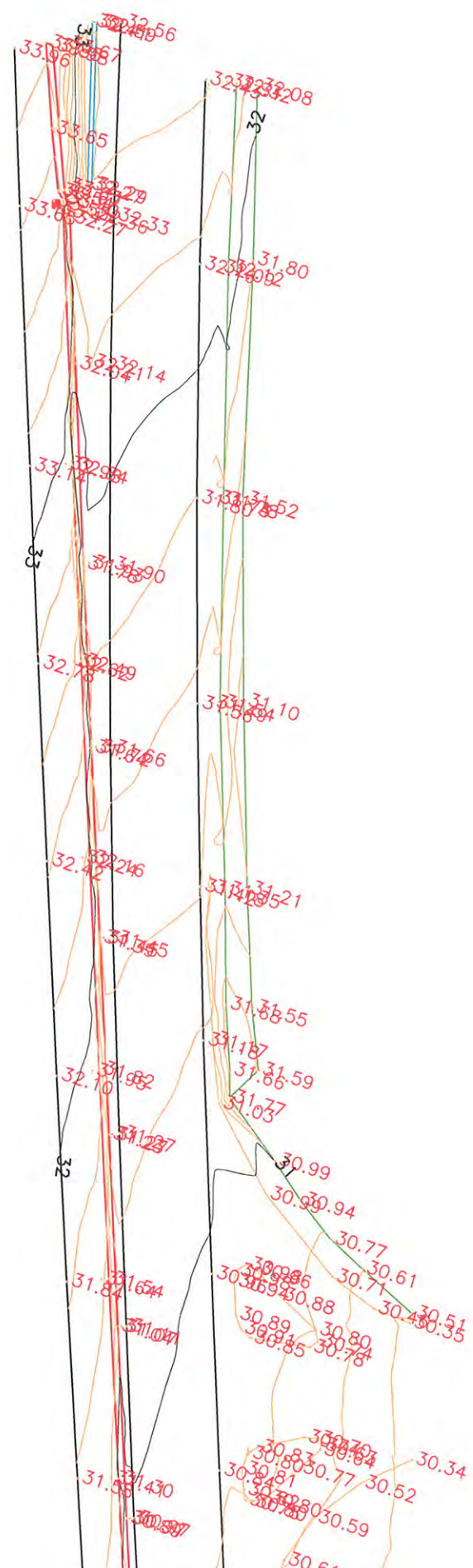
X= 417150
Y= 4585738

CODIGO DE PROYECTO: PC-BAIX	REALIZADO POR: JOSE BARBERO MARTINEZ	REVISION N.º:	SUSTITUYE A:
NOMBRE DEL FICHERO:	VERIFICADO POR: VALERIANO RUIZ RUBIO	FECHA:	SUSTITUIDO POR:



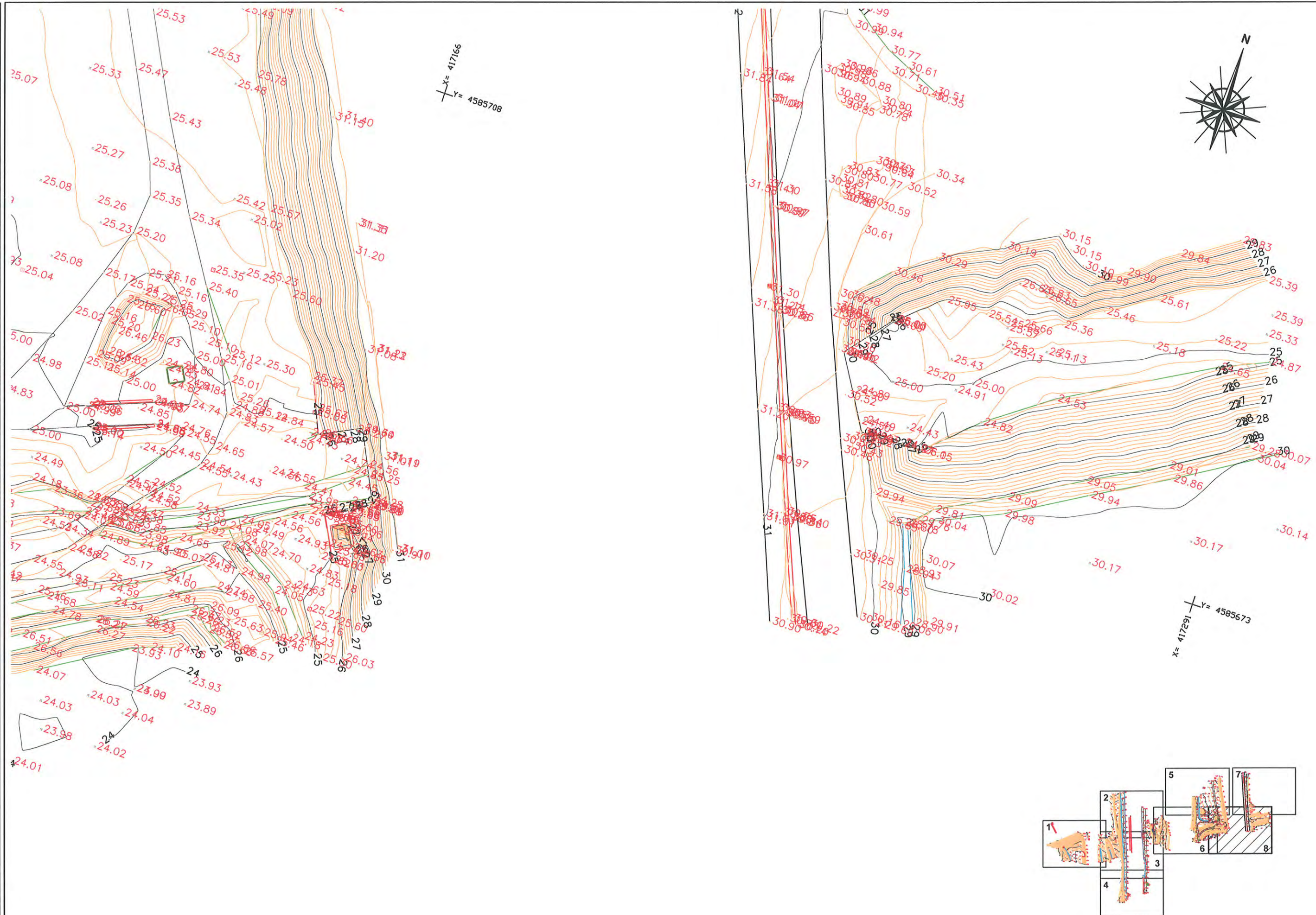
CODIGO DE PROYECTO: PC-BAIX	REALIZADO POR: JOSE BARBERO MARTINEZ	REVISION N.º:	SUSTITUYE A:
NOMBRE DEL FICHERO:	VERIFICADO POR: VALERIANO RUIZ RUBIO	FECHA:	SUSTITUIDO POR:

TAQUIMÉTRICO RAMAL 0 ACTUACIÓN B

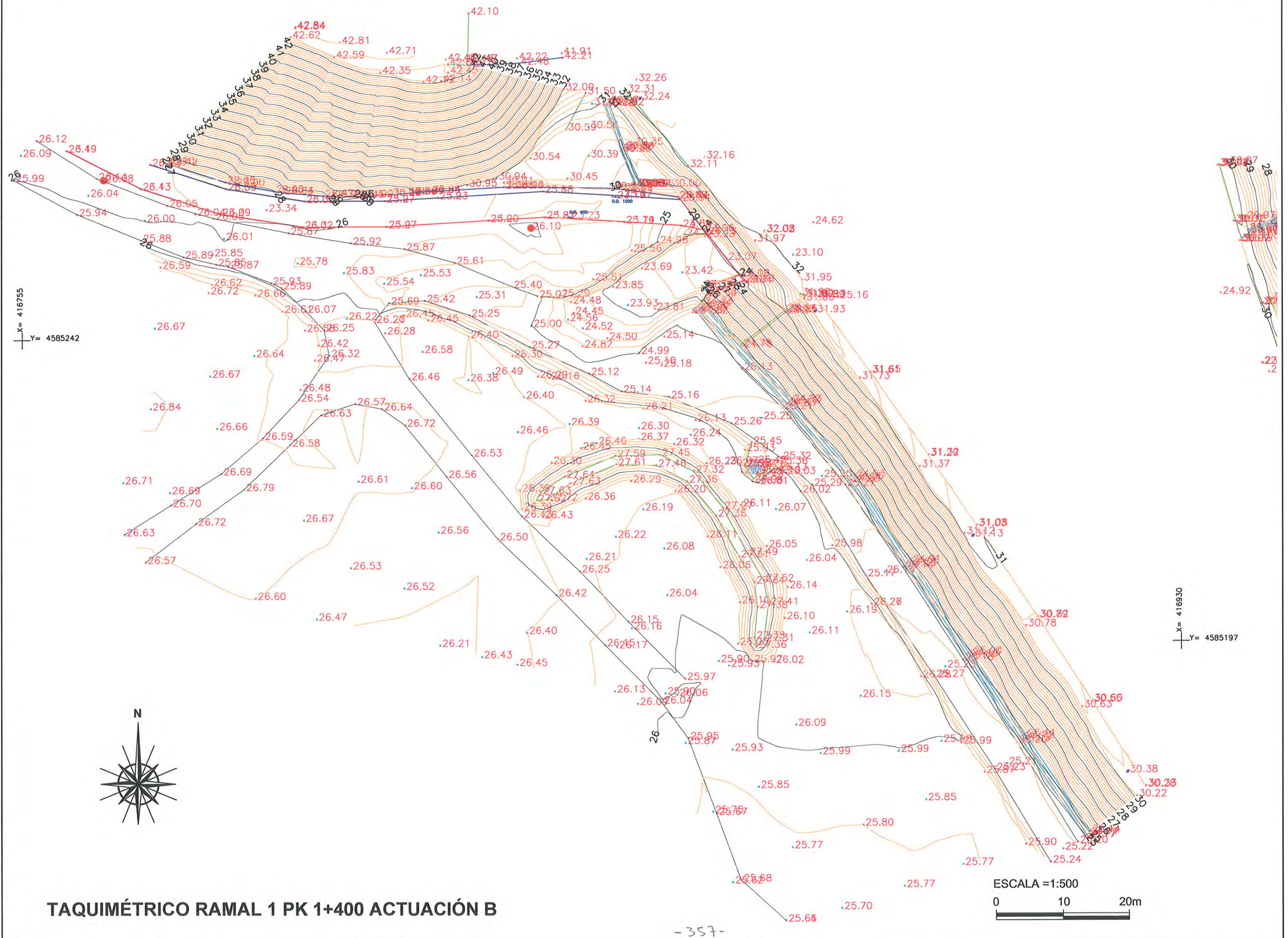


CODIGO DE PROYECTO: PC-BAIX	REALIZADO POR: JOSE BARBERO MARTINEZ		REVISION N.º:	SUSTITUYE A:
	VERIFICADO POR: VALERIANO RUIZ RUBIO		FECHA:	SUSTITUIDO POR:
NOMBRE DEL FICHERO:				

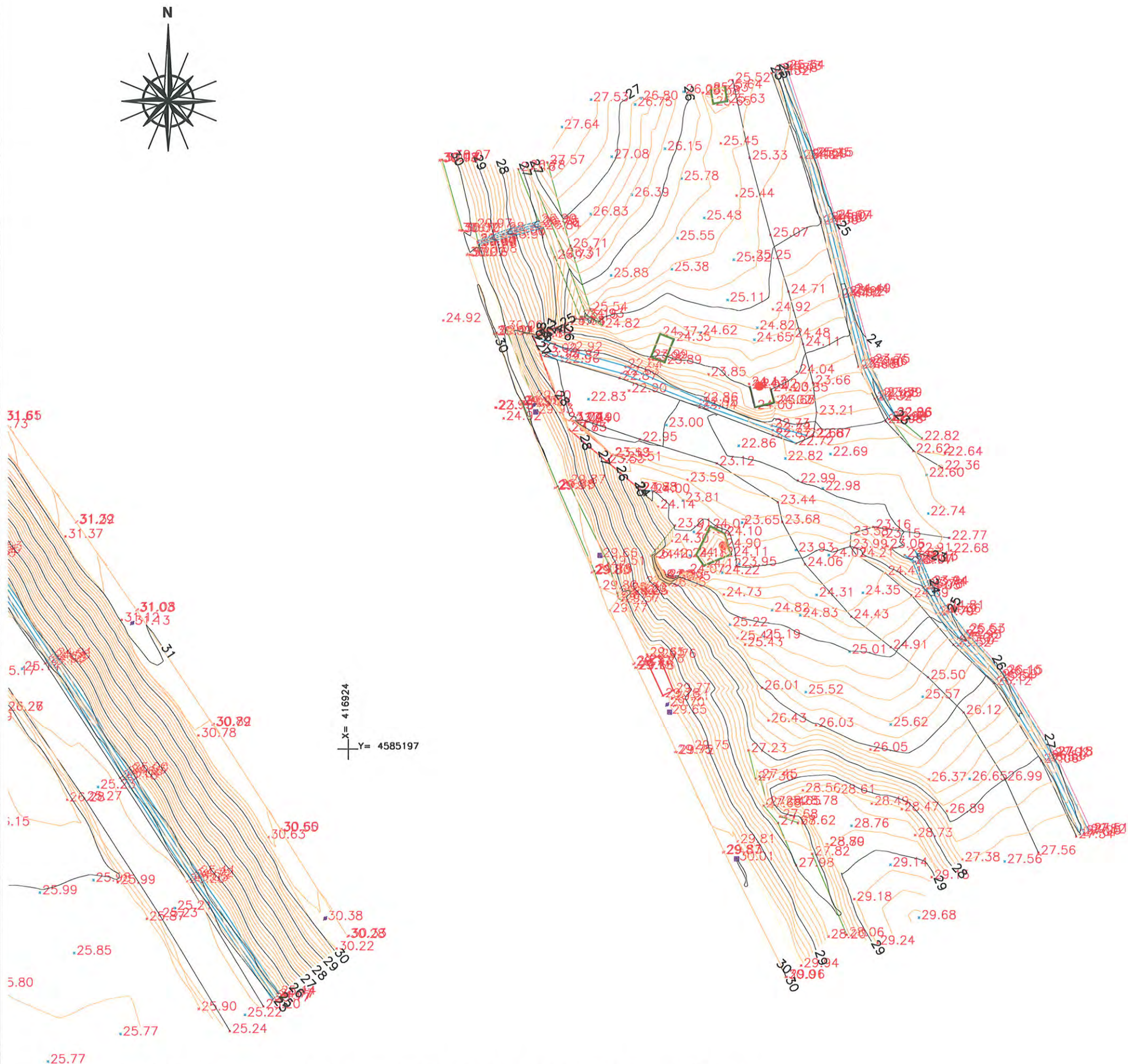
TAQUIMÉTRICO RAMAL 0 ACTUACIÓN B



CODIGO DE PROYECTO:	PC-BAIX	REALIZADO POR:	JOSE BARBERO MARTINEZ	REVISION N º:	SUSTITUYE A:
NOMBRE DEL FICHERO:		VERIFICADO POR:	VALERIANO RUIZ RUBIO	FECHA:	SUSTITUIDO POR:



CODIGO DE PROYECTO:	PC-BAIX	REALIZADO POR: JOSE BARBERO MARTINEZ	REVISION N.º:	SUSTITUYE A:
NOMBRE DEL FICHERO:		VERIFICADO POR: VALERIANO RUIZ RUBIO	FECHA:	SUSTITUIDO POR:



X= 417029
Y= 4585262

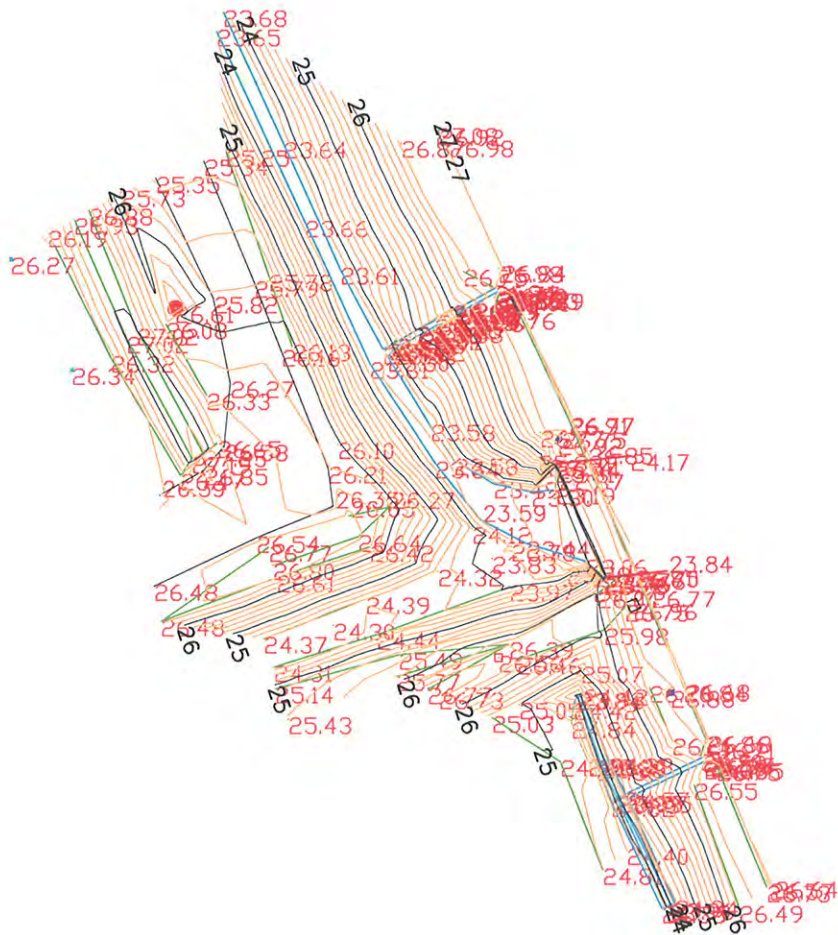
ESCALA =1:500
0 10 20m

TAQUIMÉTRICO RAMAL 3 Y RAMAL 2 PK 2+150 ACTUACIÓN B

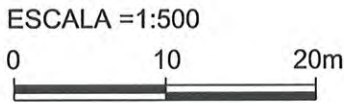
CODIGO DE PROYECTO: PC-BAIX	REALIZADO POR: JOSE BARBERO MARTINEZ	REVISION N.º:	SUSTITUYE A:
NOMBRE DEL FICHERO:	VERIFICADO POR: VALERIANO RUIZ RUBIO	FECHA:	SUSTITUIDO POR:

TAQUIMÉTRICO RAMAL 1 PK. 1+800 ACTUACIÓN B

X = 417020
Y = 4584929



X = 417105
Y = 4584874



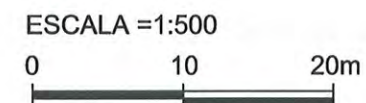
CODIGO DE PROYECTO: PC-BAIX	REALIZADO POR: JOSE BARBERO MARTINEZ	REVISION N°:	SUSTITUYE A:
NOMBRE DEL FICHERO:	VERIFICADO POR: VALERIANO RUIZ RUBIO	FECHA:	SUSTITUIDO POR:

TAQUIMÉTRICO RAMAL 9 P.K.9+205 ACTUACIÓN B



X= 416690
Y= 4585335

X= 416820
Y= 4585440

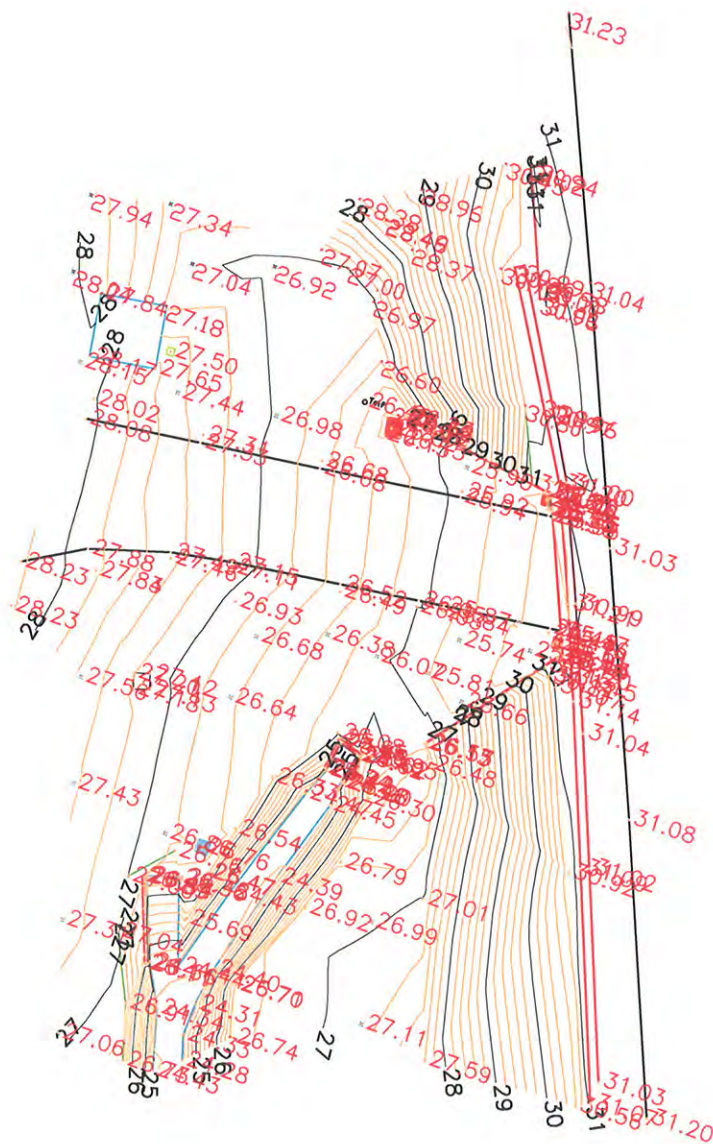


CODIGO DE PROYECTO: PC-BAIX	REALIZADO POR: JOSE BARBERO MARTINEZ	REVISION N.º:	SUSTITUYE A:
NOMBRE DEL FICHERO:	VERIFICADO POR: VALERIANO RUIZ RUBIO	FECHA:	SUSTITUIDO POR:

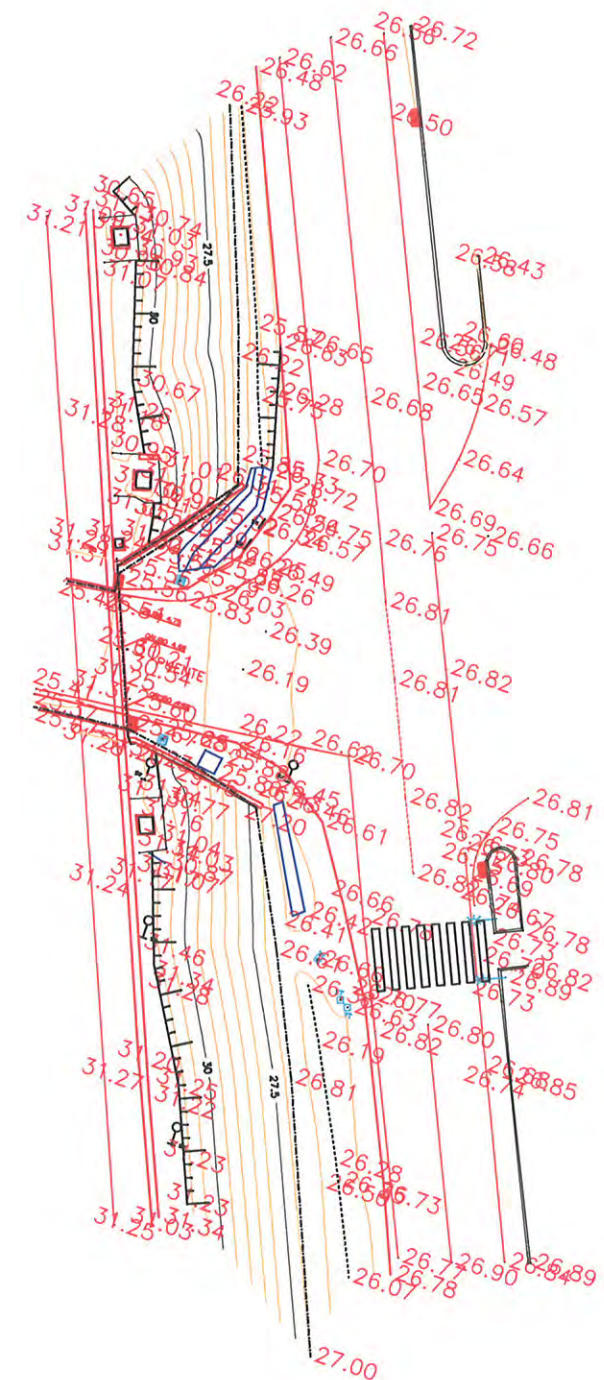
TAQUIMÉTRICO PASO INFERIOR DE MOLINS ACTUACIÓN C



X= 417325
Y= 4585150



X= 417425
Y= 4585280

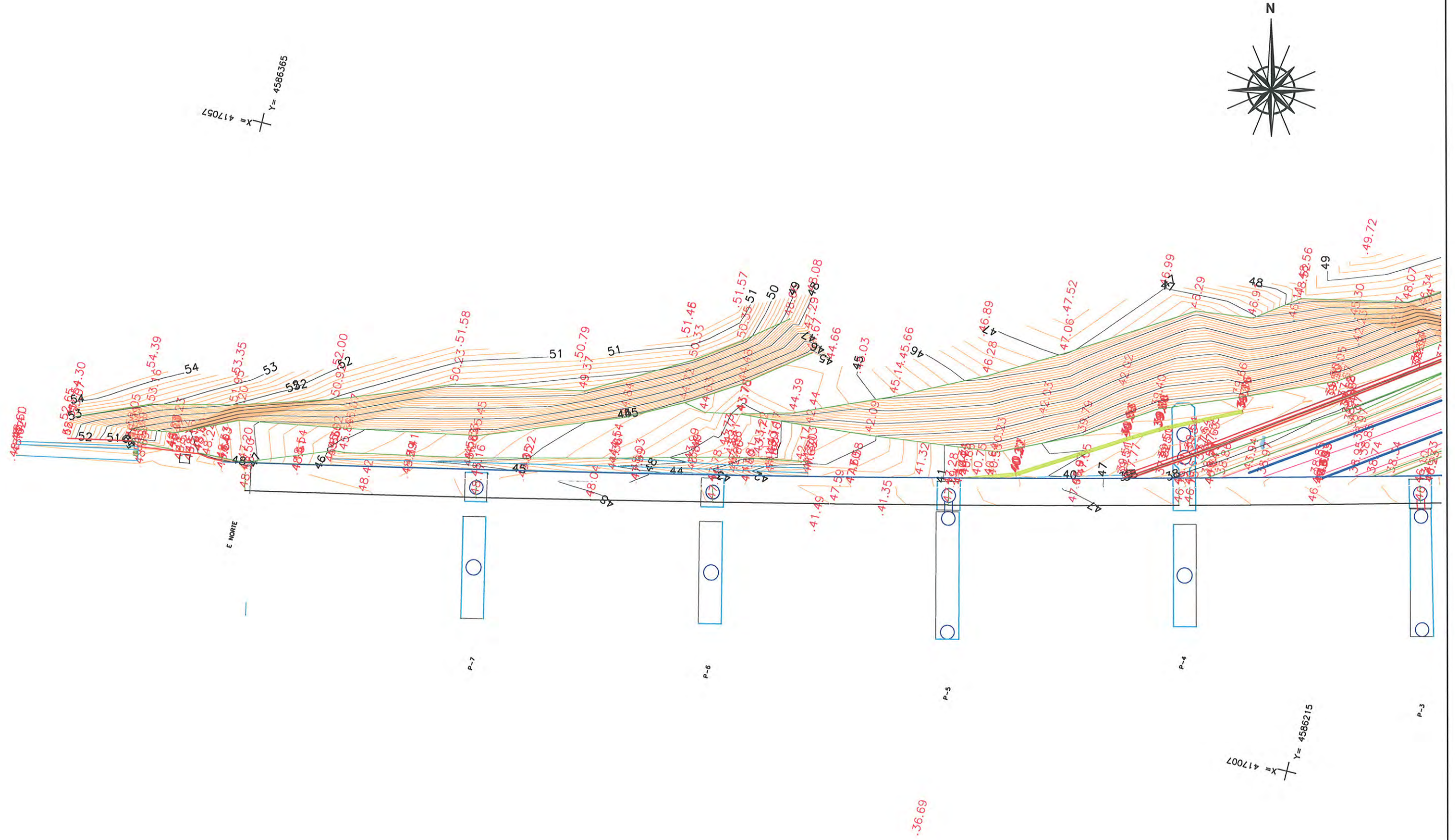


ESCALA =1:500
0 10 20m

CODIGO DE PROYECTO: PC-BAIX	REALIZADO POR: JOSE BARBERO MARTINEZ	REVISION N°:	SUSTITUYE A:
NOMBRE DEL FICHERO:	VERIFICADO POR: VALERIANO RUIZ RUBIO	FECHA:	SUSTITUIDO POR:

ESTRUCTURA EN AP-2 RAMAL 4 ACTUACION C

-367-



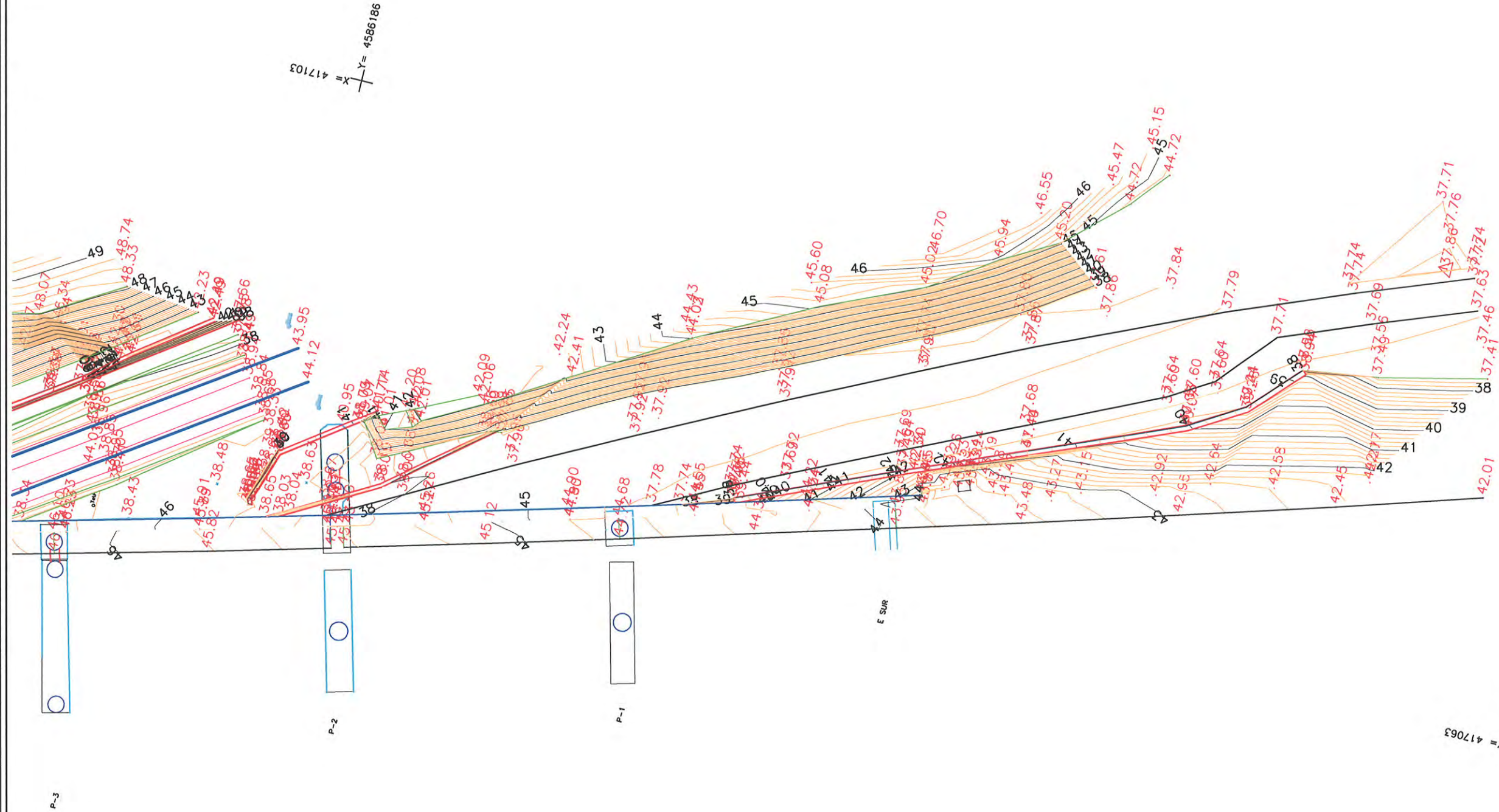
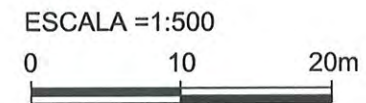
HOJA 1 DE 2
 ESCALA =1:500
 0 10 20m

CODIGO DE PROYECTO: PC-BAIX	REALIZADO POR: JOSE BARBERO MARTINEZ	REVISION N.º:	SUSTITUYE A:
NOMBRE DEL FICHERO:	VERIFICADO POR: VALERIANO RUIZ RUBIO	FECHA:	SUSTITUIDO POR:

ESTRUCTURA EN AP-2 RAMAL 4 ACTUACIÓN C

- 369 -

HOJA 2 DE 2

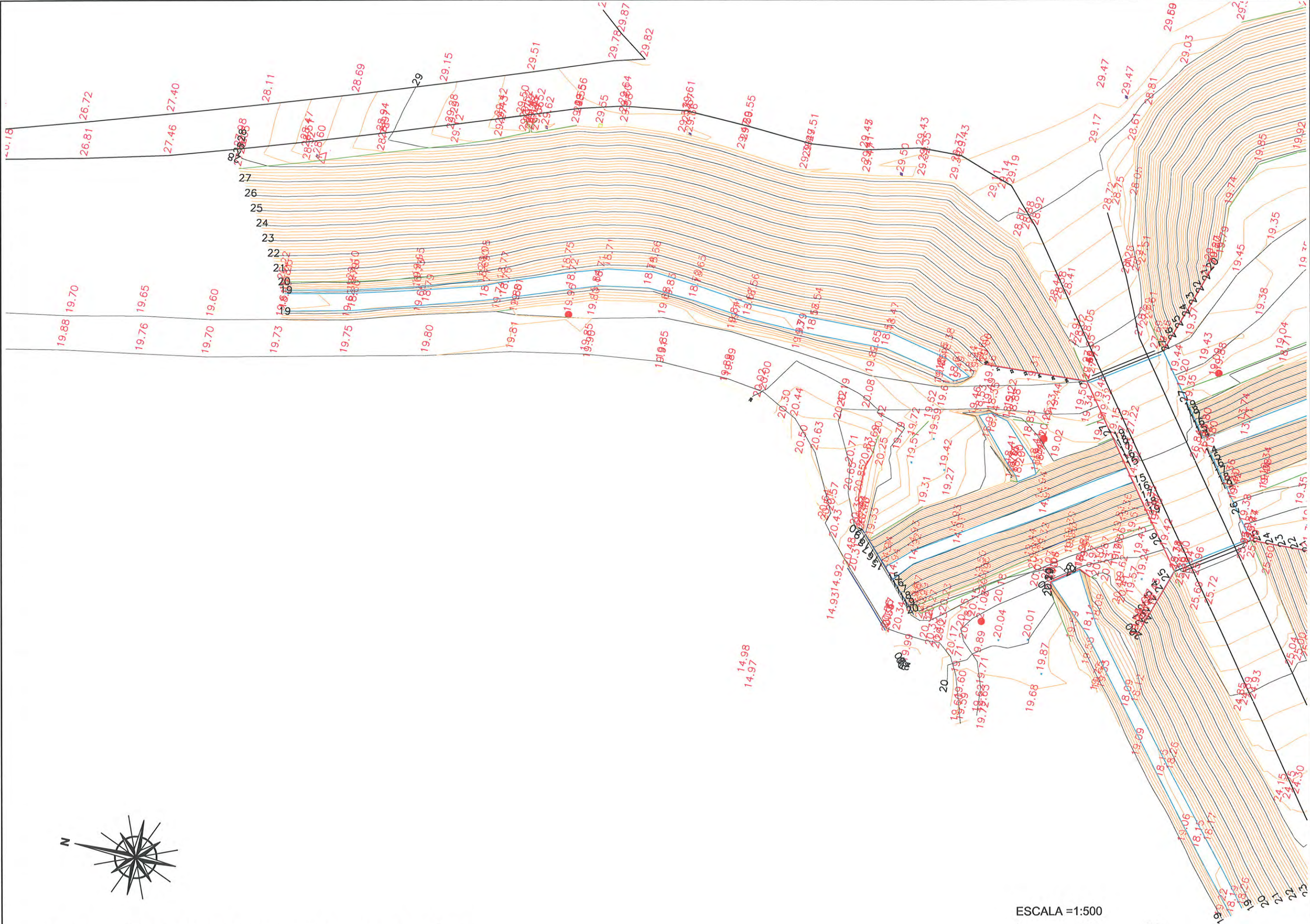
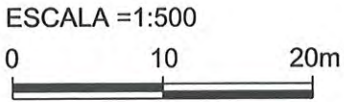


CODIGO DE PROYECTO: PC-BAIX	REALIZADO POR: JOSE BARBERO MARTINEZ	REVISION N.º:	SUSTITUYE A:
NOMBRE DEL FICHERO:	VERIFICADO POR: VALERIANO RUIZ RUBIO	FECHA:	SUSTITUIDO POR:

TAQUIMÉTRICO RAMALES 1 Y 2 ACTUACIÓN E



-371-

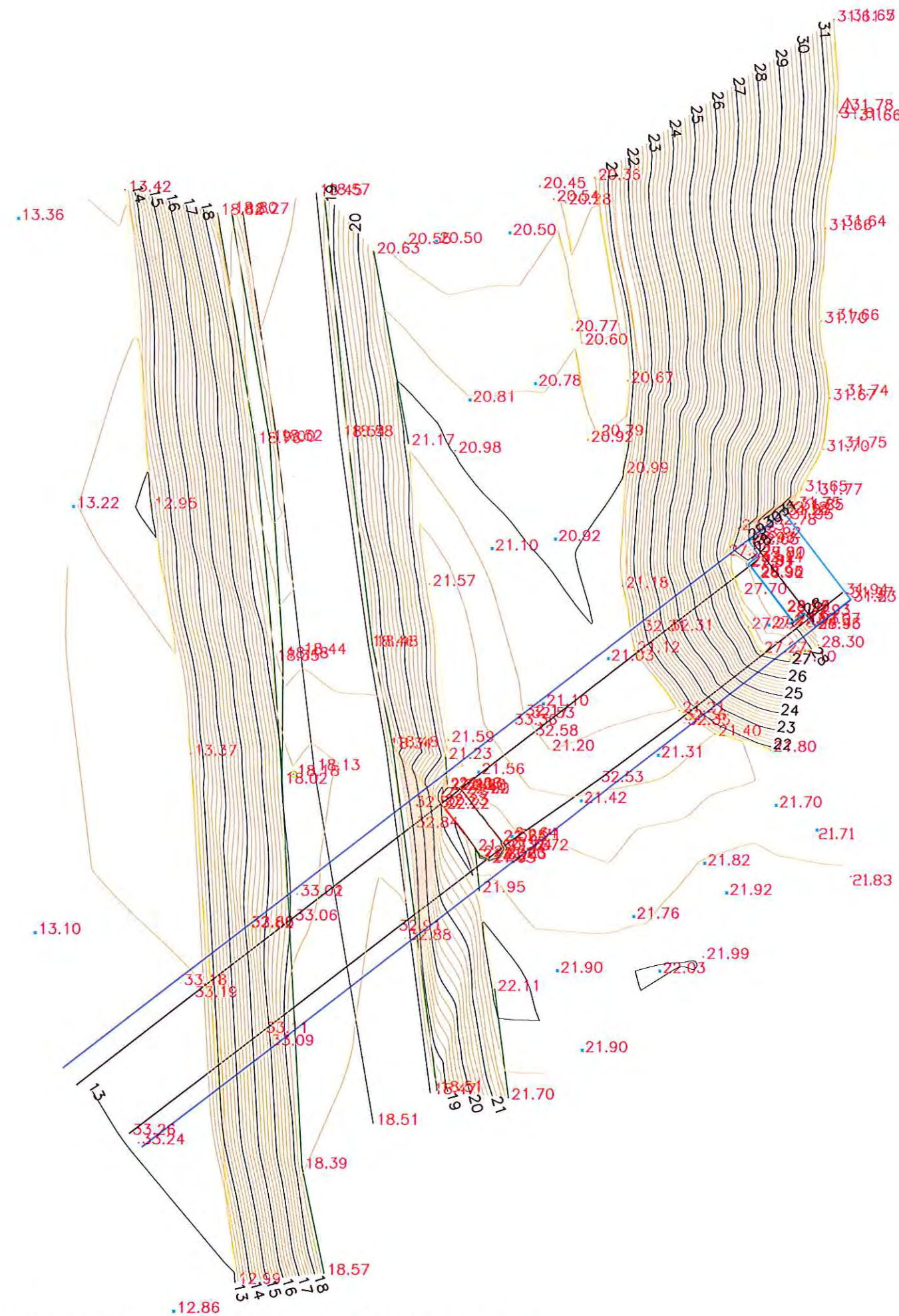


CODIGO DE PROYECTO: PC-BAIX	REALIZADO POR: JOSE BARBERO MARTINEZ	REVISION N.º:	SUSTITUYE A:
NOMBRE DEL FICHERO:	VERIFICADO POR: VALERIANO RUIZ RUBIO	FECHA:	SUSTITUIDO POR:

TAQUIMÉTRICO PUENTE ARCO METÁLICO. ESTRIBO LADO MOLINS DE REI

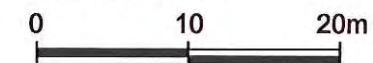
-375-

X= 418188
Y= 4582745



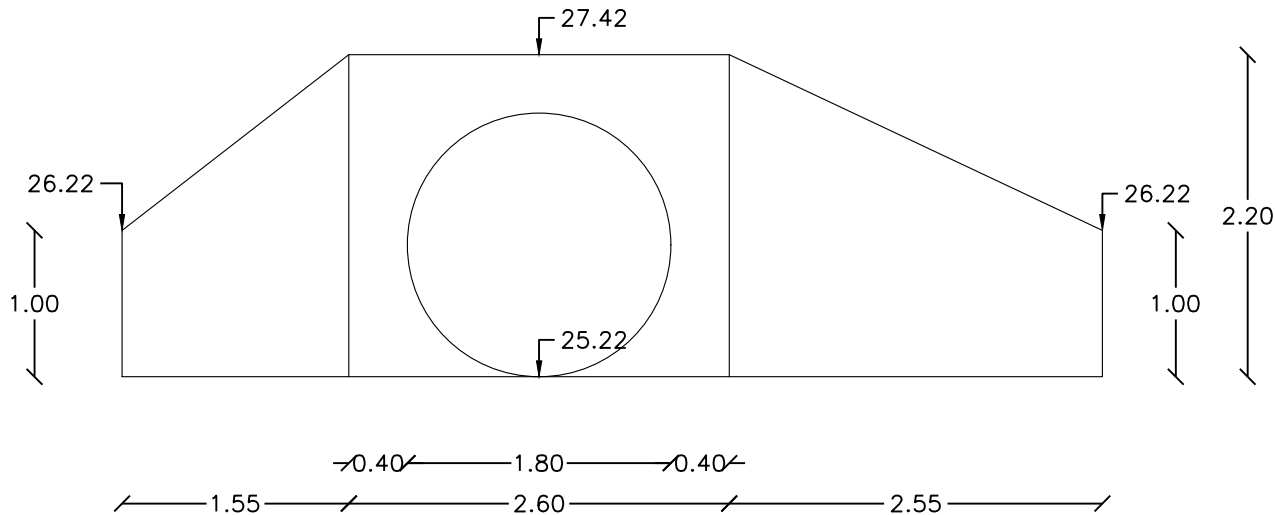
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Y= 4582665

ESCALA =1:500

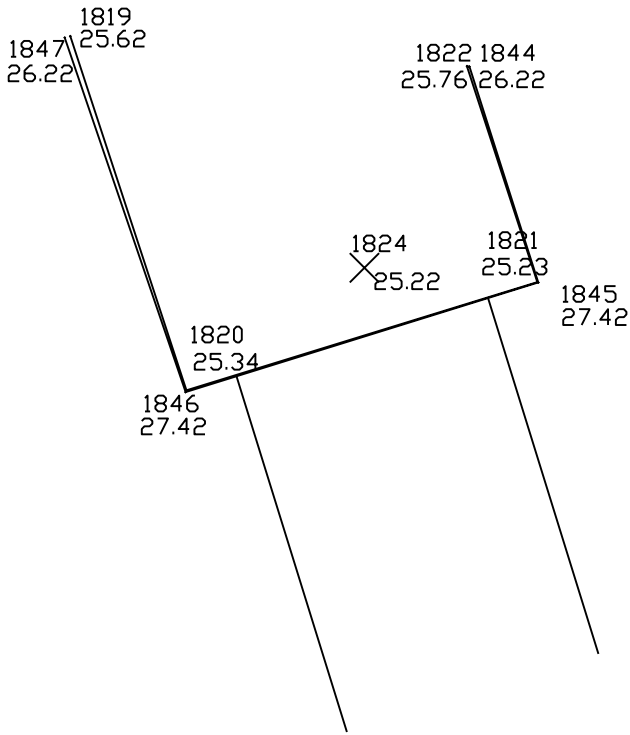


3.17.4.- Obras de Drenaje y Estructuras

NÚMERO	COORD.X	COORD.Y	COORD.Z
1819	416626.893	4585852.865	25.617
1820	416627.687	4585850.446	25.339
1821	416630.085	4585851.184	25.235
1822	416629.604	4585852.659	25.761
1824	416628.903	4585851.282	25.222
1844	416629.621	4585852.656	26.220
1845	416630.092	4585851.181	27.420
1846	416627.681	4585850.433	27.420
1847	416626.855	4585852.855	26.220



ALZADO E:1/50

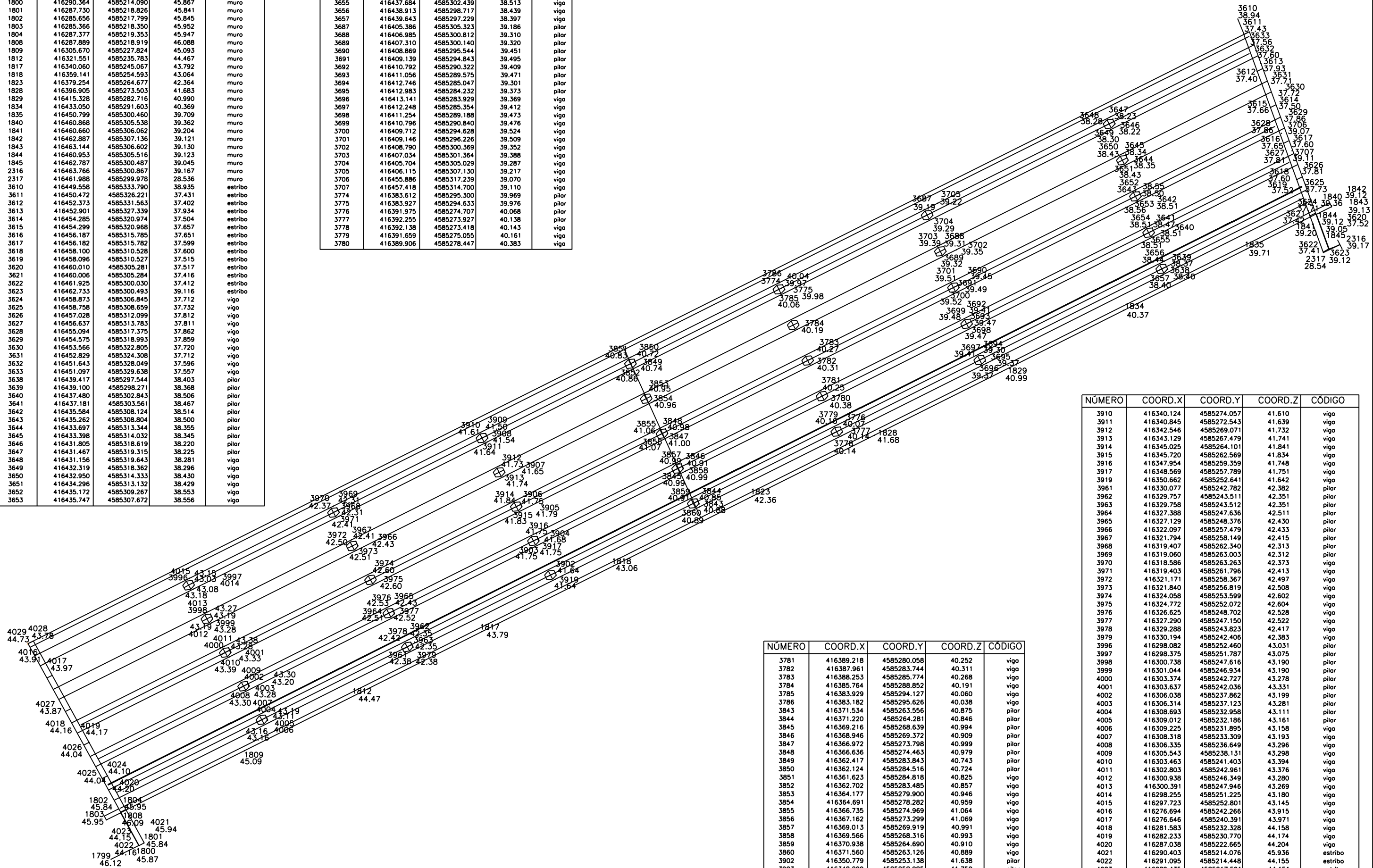


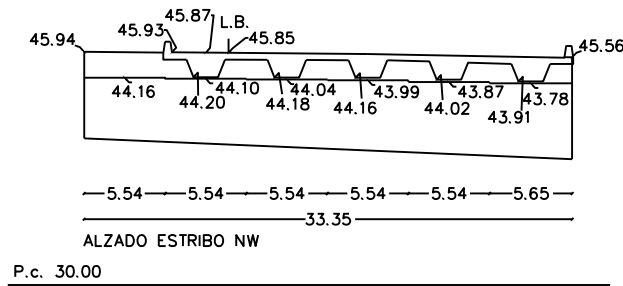
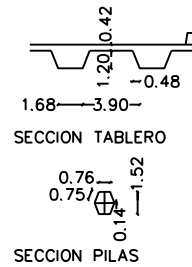
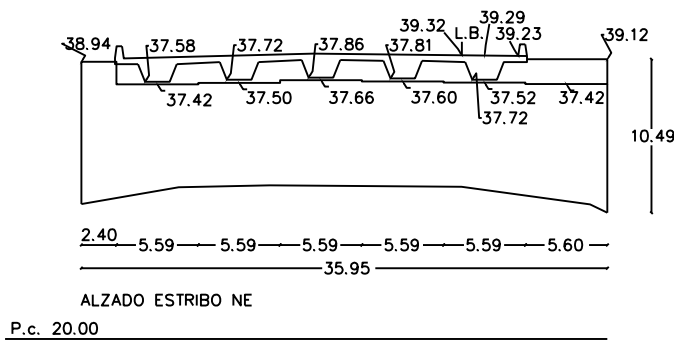
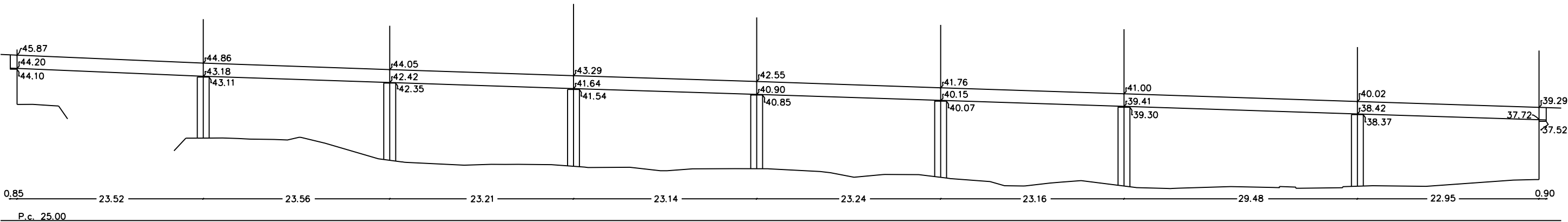
ACTUACIÓN B O.D. RAMAL 4 PK. 4+740 (ENTRADA DEL DESAGÜE DE LA CUNETA DE PIE DE TERRAPLÉN)



NÚMERO	COORD.X	COORD.Y	COORD.Z	CÓDIGO
1799	416286.357	4585212.105	46.120	muro
1800	416290.364	4585214.090	45.867	muro
1801	416287.730	4585218.826	45.841	muro
1802	416285.656	4585217.799	45.845	muro
1803	416285.366	4585218.350	45.952	muro
1804	416287.377	4585219.353	45.947	muro
1808	416287.889	4585218.919	46.088	muro
1809	416305.670	4585227.824	45.093	muro
1812	416321.551	4585235.783	44.467	muro
1817	416340.060	4585245.067	43.792	muro
1818	416359.141	4585254.593	43.064	muro
1823	416379.254	4585264.677	42.364	muro
1828	416396.905	4585273.503	41.683	muro
1829	416415.328	4585282.716	40.990	muro
1834	416433.050	4585291.603	40.369	muro
1835	416450.799	4585300.460	39.709	muro
1840	416460.868	4585305.538	39.362	muro
1841	416460.660	4585306.062	39.204	muro
1842	416462.887	4585307.136	39.121	muro
1843	416463.144	4585306.602	39.130	muro
1844	416460.953	4585305.516	39.123	muro
1845	416462.787	4585300.487	39.045	muro
2316	416463.766	4585300.867	39.167	muro
2317	416461.988	4585299.978	28.536	muro
3610	416449.558	4585333.790	38.935	estribo
3611	416450.472	4585326.221	37.431	estribo
3612	416452.373	4585331.563	37.402	estribo
3613	416452.901	4585327.339	37.934	estribo
3614	416454.285	4585320.974	37.504	estribo
3615	416454.299	4585320.968	37.657	estribo
3616	416456.187	4585315.785	37.651	estribo
3617	416456.182	4585315.782	37.599	estribo
3618	416458.100	4585310.528	37.600	estribo
3619	416458.096	4585310.527	37.515	estribo
3620	416460.010	4585305.281	37.517	estribo
3621	416460.006	4585305.284	37.416	estribo
3622	416461.925	4585300.030	37.412	estribo
3623	416462.733	4585300.493	39.116	estribo
3624	416458.873	4585306.845	37.712	viga
3625	416458.758	4585308.659	37.732	viga
3626	416457.028	4585312.099	37.812	viga
3627	416456.637	4585313.783	37.811	viga
3628	416455.094	4585317.375	37.862	viga
3629	416454.575	4585318.993	37.859	viga
3630	416453.566	4585322.805	37.720	viga
3631	416452.829	4585324.308	37.712	viga
3632	416451.643	4585328.049	37.596	viga
3633	416451.097	4585329.638	37.557	viga
3638	416439.417	4585297.544	38.403	pilar
3639	416439.100	4585298.271	38.368	pilar
3640	416437.480	4585302.843	38.506	pilar
3641	416437.181	4585303.561	38.467	pilar
3642	416435.584	4585308.124	38.514	pilar
3643	416435.262	4585308.804	38.500	pilar
3644	416433.697	4585313.344	38.355	pilar
3645	416433.398	4585314.032	38.345	pilar
3646	416431.805	4585318.619	38.220	pilar
3647	416431.467	4585319.315	38.225	pilar
3648	416431.156	4585319.643	38.281	viga
3649	416432.319	4585318.362	38.296	viga
3650	416432.950	4585314.333	38.430	viga
3651	416434.296	4585313.132	38.429	viga
3652	416435.172	4585309.267	38.553	viga
3653	416435.747	4585307.672	38.556	viga

NÚMERO	COORD.X	COORD.Y	COORD.Z	CÓDIGO
3654	416437.025	4585303.971	38.510	viga
3655	416437.684	4585302.439	38.513	viga
3656	416438.913	4585298.717	38.439	viga
3657	416439.643	4585297.229	38.397	viga
3687	416405.386	4585305.323	39.186	pilar
3688	416406.985	4585300.812	39.310	pilar
3689	416407.310	4585300.140	39.320	pilar
3690	416408.869	4585295.544	39.451	pilar
3691	416409.139	4585294.843	39.495	pilar
3692	416410.792	4585290.322	39.409	pilar
3693	416411.056	4585289.575	39.471	pilar
3694	416412.746	4585285.047	39.301	pilar
3695	416412.983	4585284.232	39.373	pilar
3696	416413.141	4585283.929	39.369	viga
3697	416412.248	4585285.354	39.412	viga
3698	416411.254	4585289.188	39.473	viga
3699	416410.796	4585290.840	39.476	viga
3700	416409.712	4585294.628	39.524	viga
3701	416409.146	4585296.226	39.509	viga
3702	416408.790	4585300.369	39.352	viga
3703	416407.034	4585301.364	39.388	viga
3704	416405.704	4585305.029	39.287	viga
3705	416406.115	4585307.130	39.217	viga
3706	416455.886	4585317.239	39.070	viga
3707	416457.418	4585314.700	39.110	viga
3774	416383.612	4585295.300	39.969	pilar
3775	416383.927	4585294.633	39.976	pilar
3776	416391.975	4585274.707	40.068	pilar
3777	416392.255	4585273.927	40.138	pilar
3778	416392.138	4585273.418	40.143	viga
3779	416391.659	4585275.055	40.161	viga
3780	416389.906	4585278.447	40.383	viga



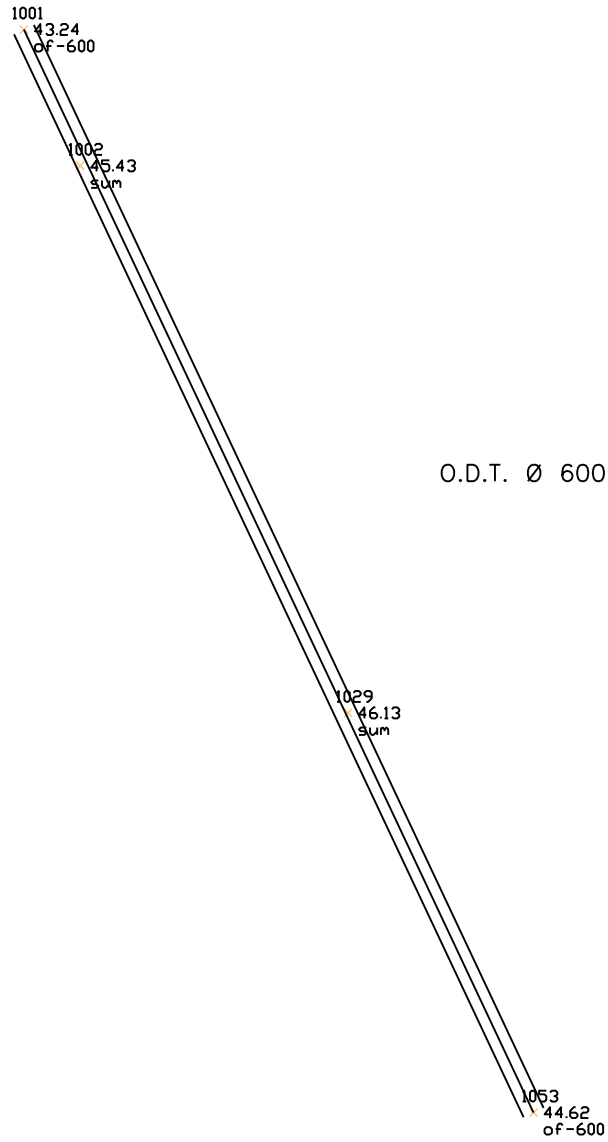


ACTUACIÓN B ESTRUCTURA EN B-24 RAMAL 0. ESTRIBO LADO ESTE



ACTUACIÓN B ESTRUCTURA EN B-24 RAMAL 0. PILAS Y TABLERO





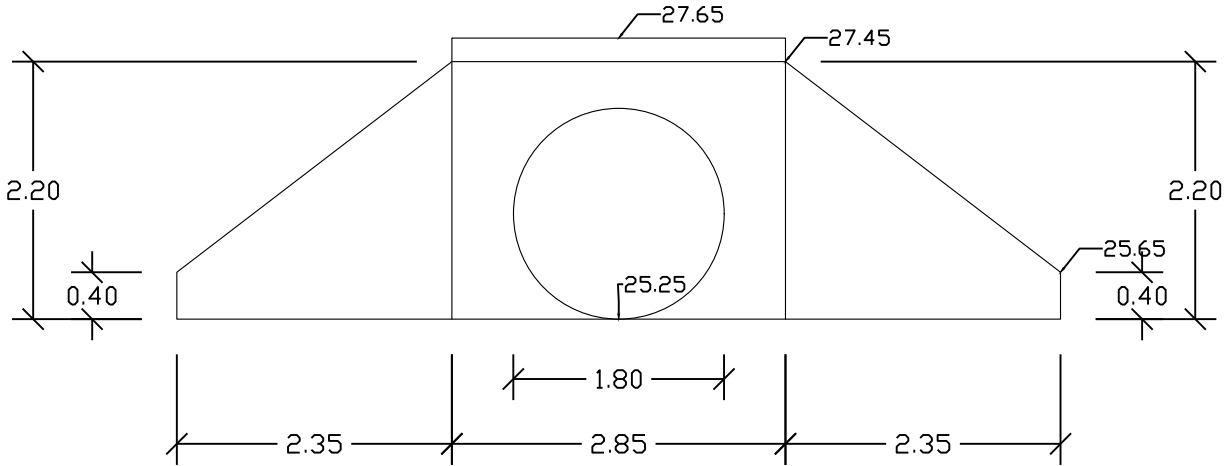
NÚMERO	COORD.X	COORD.Y	COORD.Z	CÓDIGO
1001	416259.979	4585242.009	43.239	Of-600 Lámina de agua
1002	416261.513	4585238.284	45.430	sumidero
1029	416268.836	4585223.333	46.127	sumidero
1053	416273.910	4585212.409	44.620	Of-600 Lámina de agua

DESAGÜE RAMAL 0 B-24 P.K. 0+060

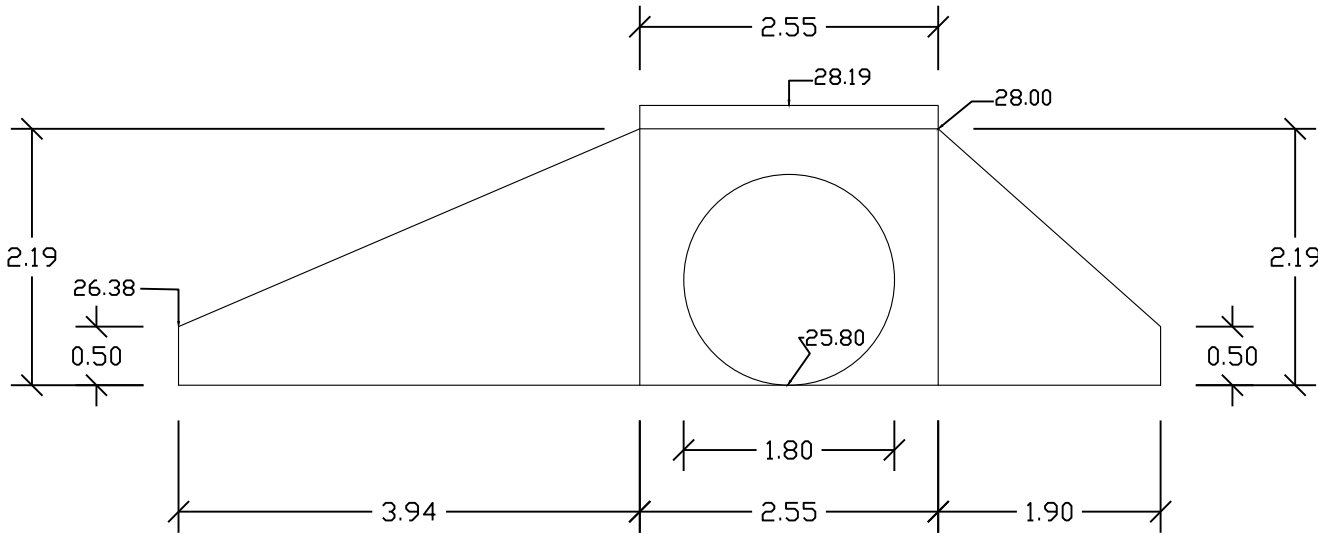
DESAGÜE RAMAL 0 B-24 P.K. 0+060



NÚMERO	COORD.X	COORD.Y	COORD.Z
1045	416661.131	4585700.863	25.855
1046	416660.503	4585698.805	26.313
1047	416662.035	4585697.651	28.192
1048	416663.773	4585698.057	28.176
1049	416661.948	4585699.517	28.194
1050	416755.950	4585703.016	25.880
3757	416660.509	4585698.813	25.810
3758	416662.032	4585697.666	25.800
3760	416663.761	4585699.518	25.800
3761	416661.954	4585703.018	26.380



ALZADO ESTE 1/25



ALZADO OESTE 1/25

NÚMERO	COORD.X	COORD.Y	COORD.Z
1039	416719.401	4585441.051	27.650
1040	416721.287	4585439.673	25.750
1044	416717.443	4585439.005	27.646
3752	416718.903	4585437.181	25.730
3753	416721.284	4585439.661	25.250
3754	416719.403	4585441.031	25.280
3755	416717.458	4585439.003	25.270
3756	416718.911	4585437.184	25.230

ACTUACIÓN B O.D. RAMAL 0 P.K. 0+560

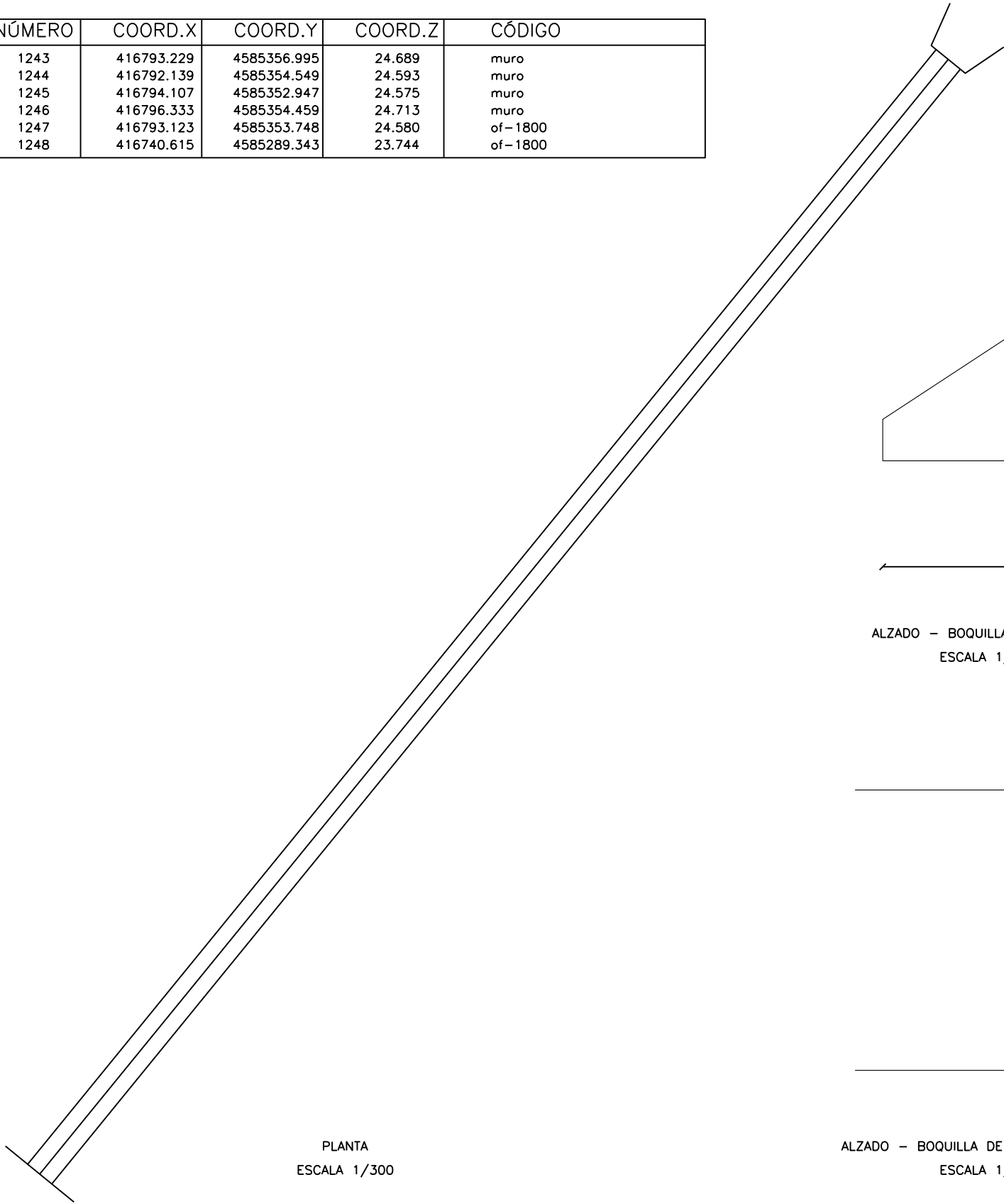


Margen izquierda (entrada en ramal existente Pallejà-Cervelló)

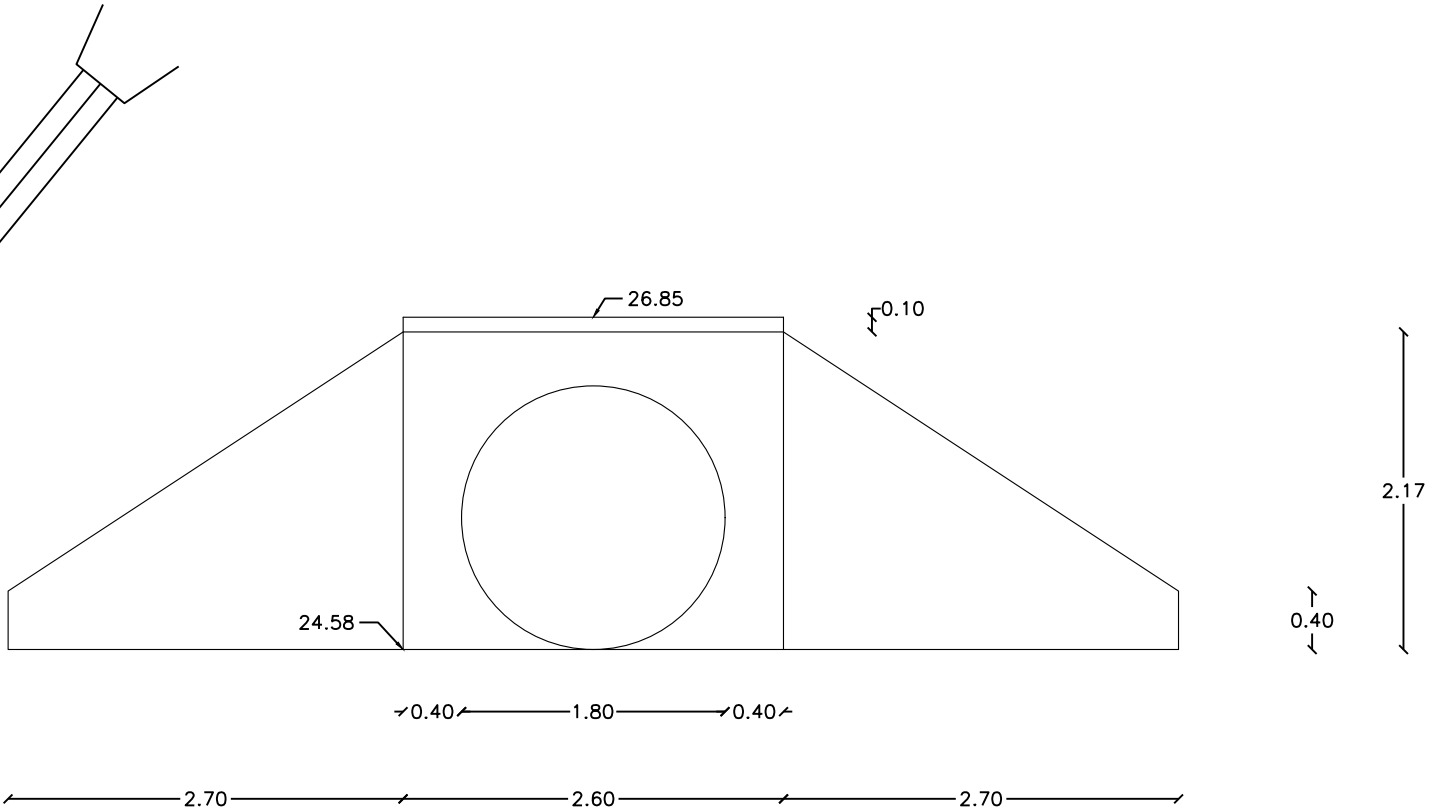


Margen derecha (salida en ramal 9)

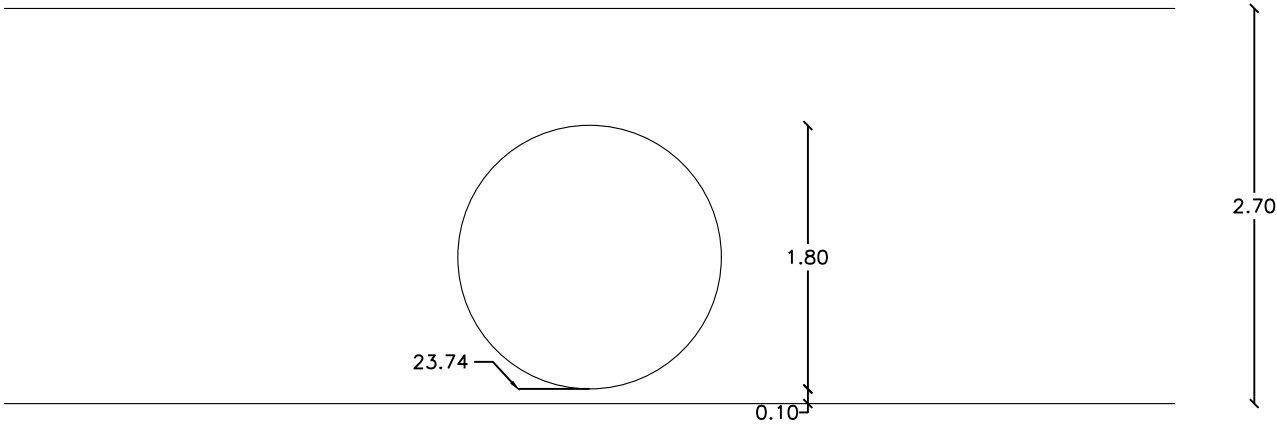
NÚMERO	COORD.X	COORD.Y	COORD.Z	CÓDIGO
1243	416793.229	4585356.995	24.689	muro
1244	416792.139	4585354.549	24.593	muro
1245	416794.107	4585352.947	24.575	muro
1246	416796.333	4585354.459	24.713	muro
1247	416793.123	4585353.748	24.580	of - 1800
1248	416740.615	4585289.343	23.744	of - 1800



PLANTA
ESCALA 1/300



ALZADO - BOQUILLA DE ENTRAFA
ESCALA 1/50



ALZADO - BOQUILLA DE SALIDA EN CANAL
ESCALA 1/50

ACTUACIÓN B O.D. RAMAL 1 P.K. 1+260

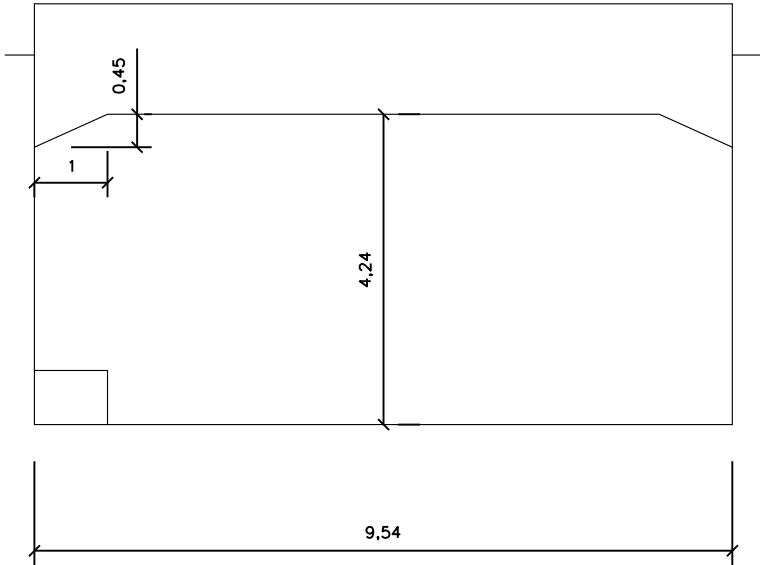


Boquilla de entrada



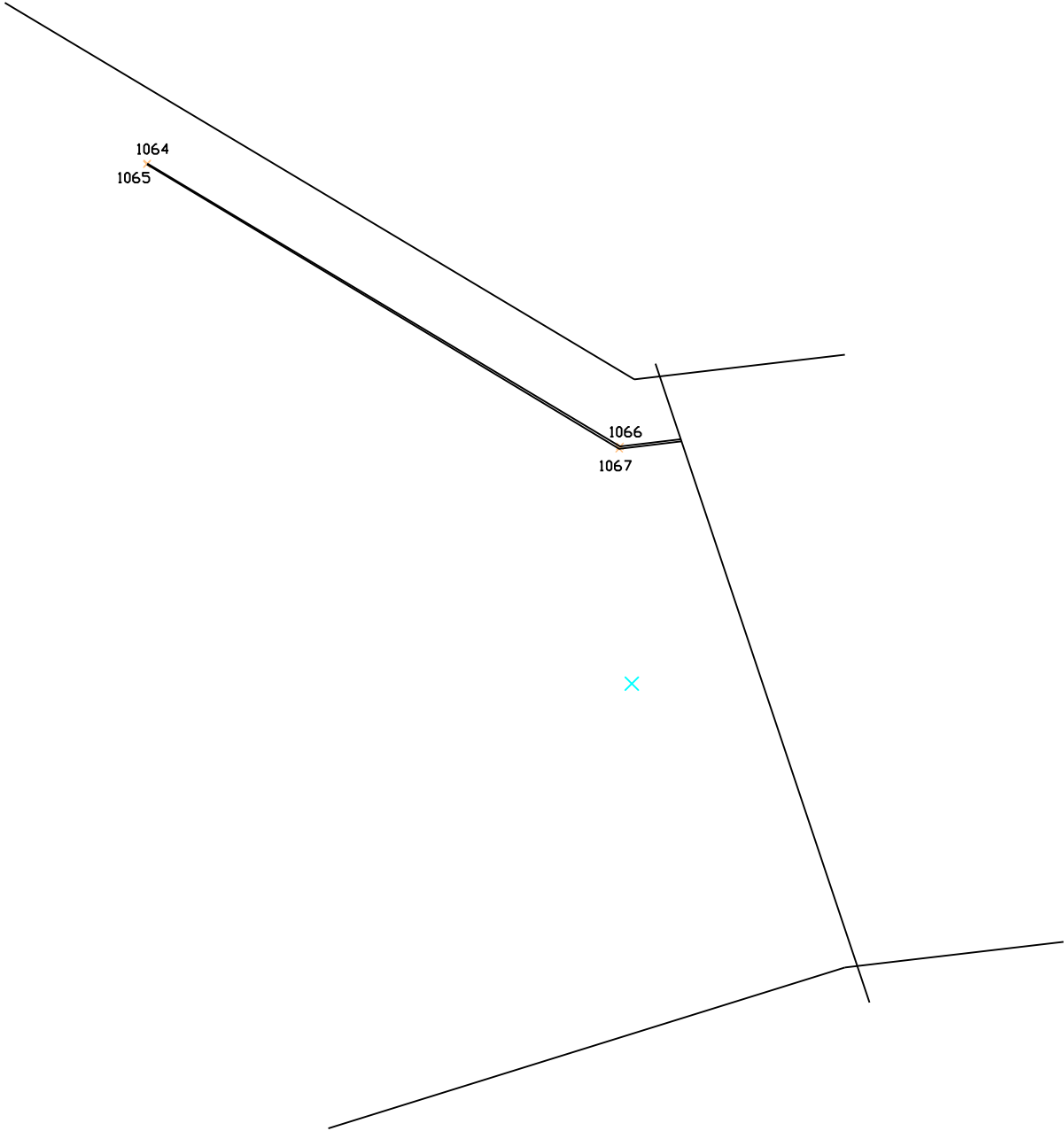
Salida al canal de la riera de Fonda

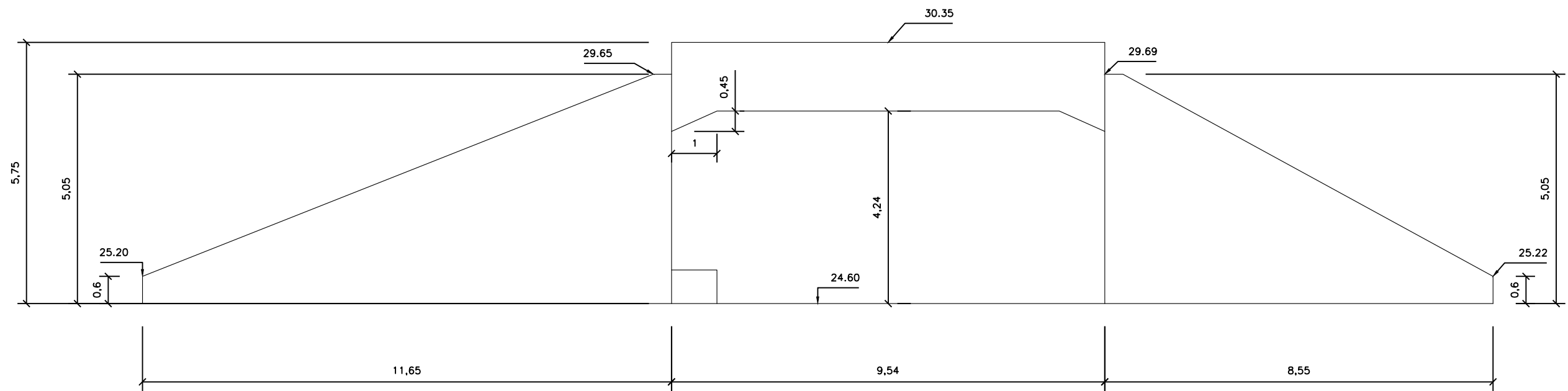




SECCION 1/100

NÚMERO	COORD.X	COORD.Y	COORD.Z
1063	416776.840	4585446.425	25.189
1064	416779.037	4585443.945	25.008
1065	416779.030	4585443.933	24.862
1066	416786.331	4585439.581	25.345
1067	416786.318	4585439.544	24.923
1068	416786.512	4585435.921	24.662
1069	416781.763	4585429.107	24.809
1070	416781.829	4585429.058	25.217
1071	416781.300	4585428.322	24.818
1097	416789.799	4585431.541	29.668
1098	416789.927	4585431.556	29.686
1100	416790.181	4585431.002	30.310
1111	416786.878	4585440.857	30.347
1112	416786.552	4585440.614	29.638



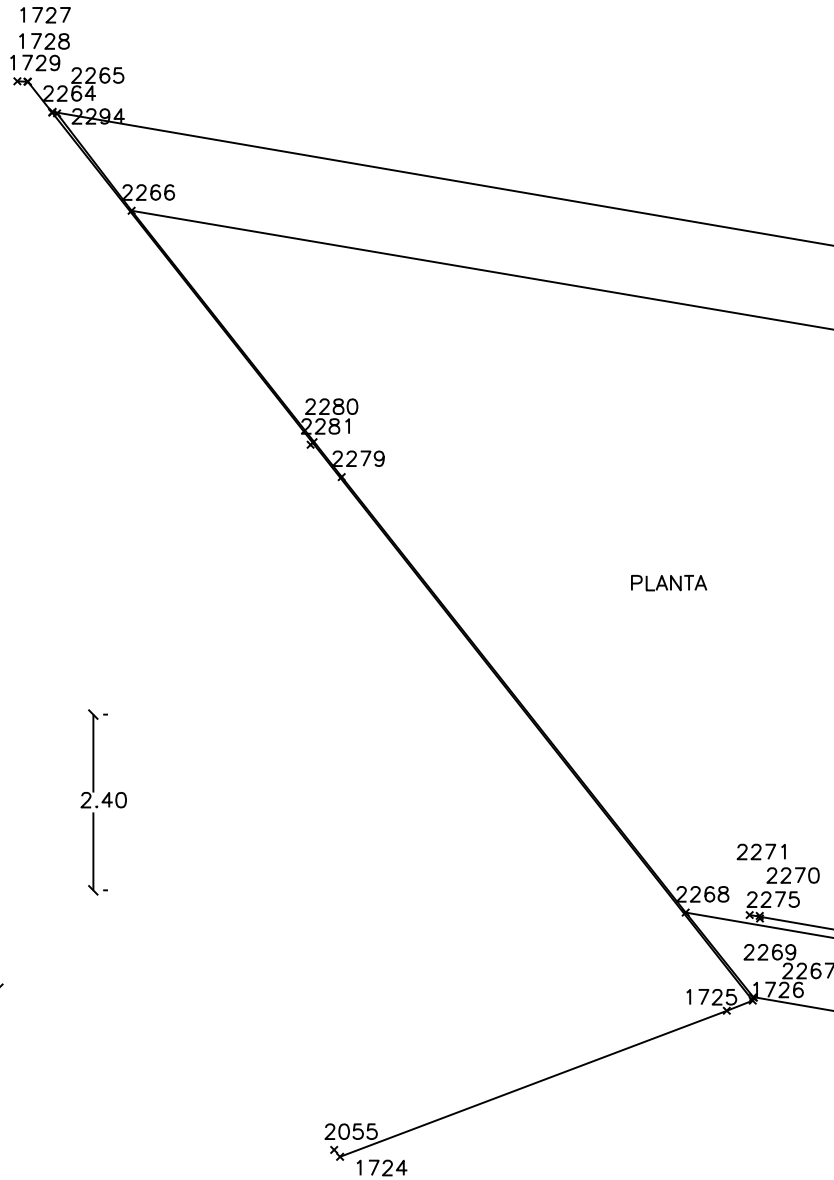
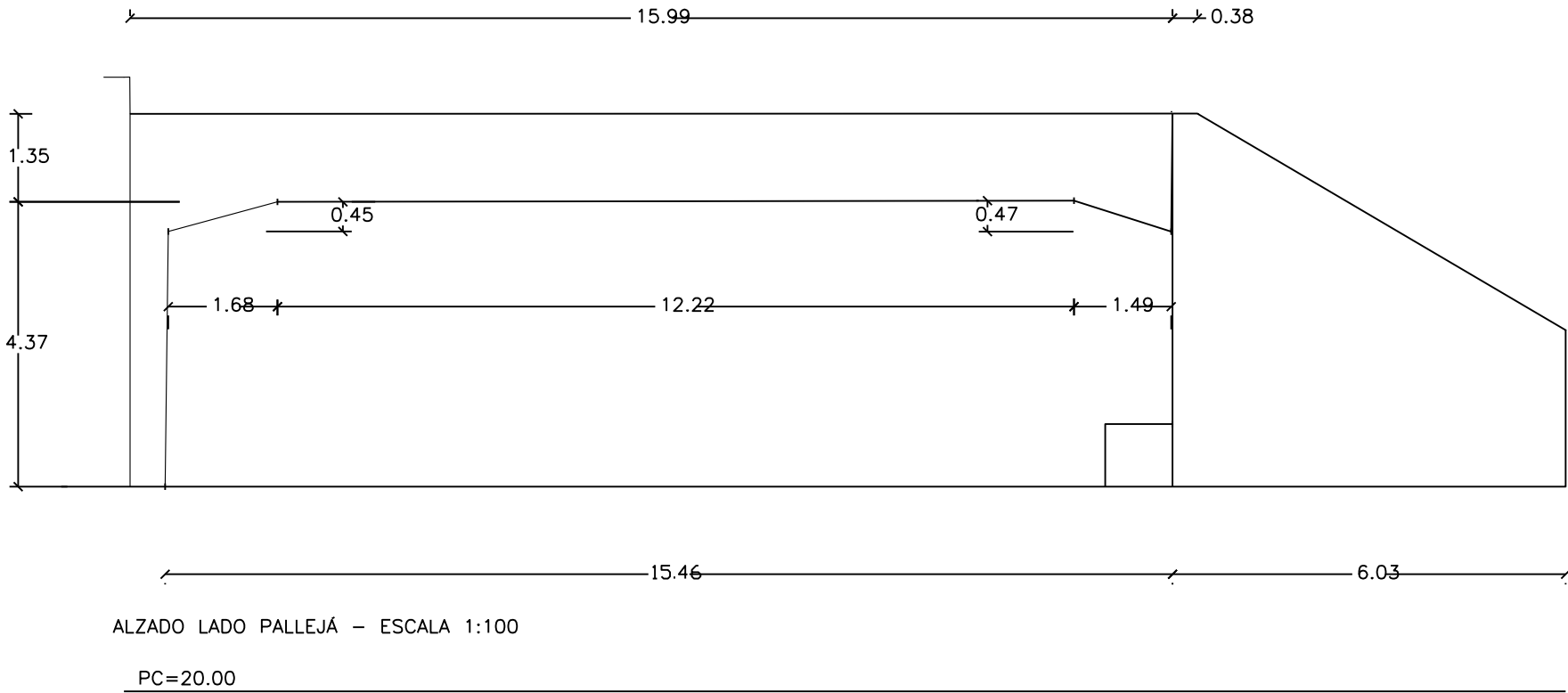


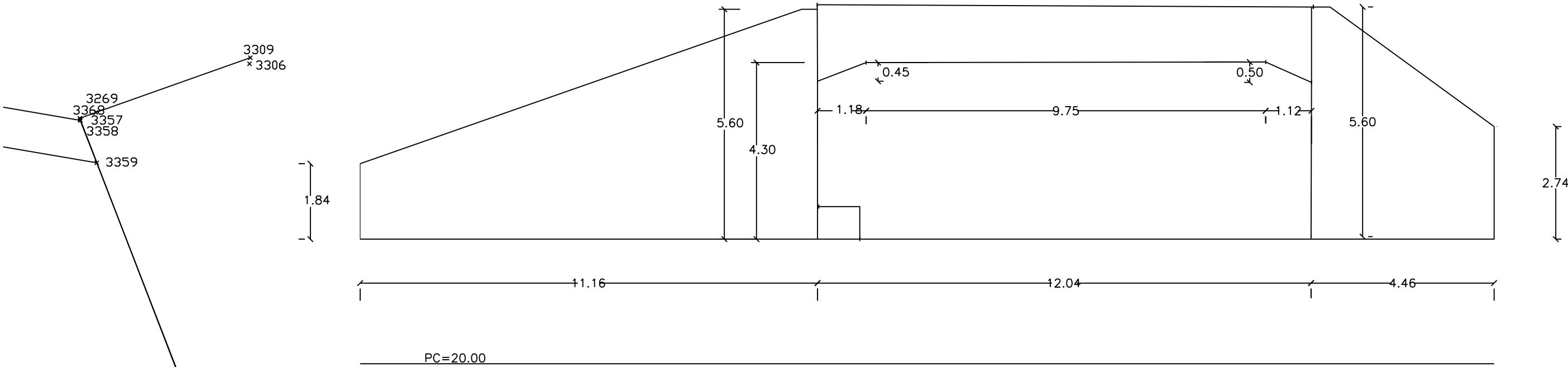
ALZADO 1/100

ACTUACIÓN B MARCO RAMAL 0 P.K. 0+630. (BOQUILLA LADO PALLEJÀ)



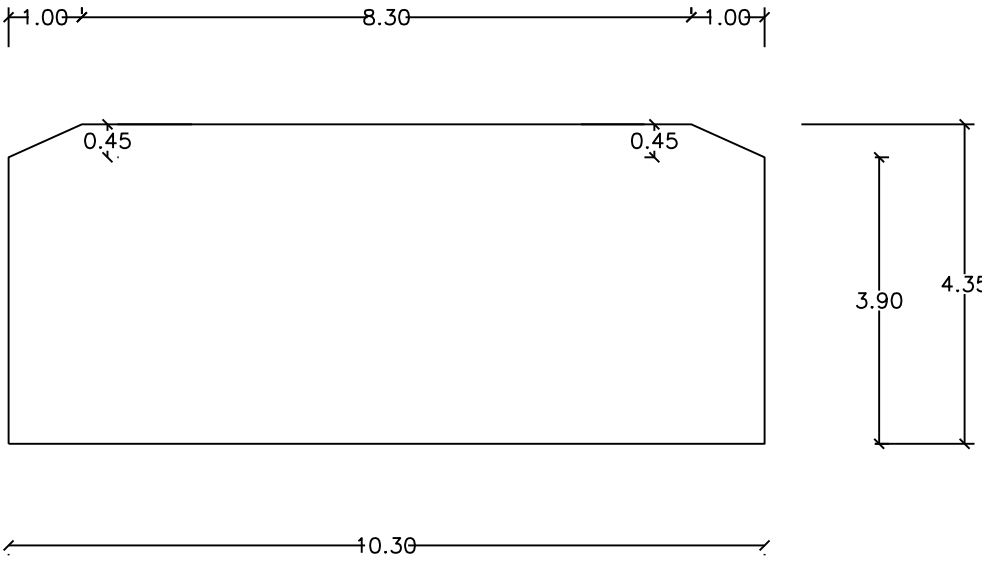
NÚMERO	COORD.X	COORD.Y	COORD.Z
1724	416857.684	4585248.413	25.542
1725	416862.969	4585250.409	28.838
1726	416863.324	4585250.547	28.863
1727	416853.417	4585263.105	28.860
1728	416853.409	4585263.105	29.420
1729	416853.272	4585263.111	29.417
2055	416857.603	4585248.507	23.501
2264	416853.753	4585262.693	23.148
2265	416853.814	4585262.672	27.055
2266	416854.833	4585261.341	27.509
2267	416863.340	4585250.586	27.053
2268	416862.407	4585251.750	27.528
2269	416863.331	4585250.595	24.100
2270	416863.423	4585251.669	24.063
2271	416863.420	4585251.705	23.191
2275	416863.282	4585251.717	23.189
2279	416857.706	4585257.702	23.190
2280	416857.320	4585258.178	23.057
2281	416857.280	4585258.143	24.111
2294	416853.749	4585262.681	23.140





ALZADO LADO AVE - ESCALA 1:100

NÚMERO	COORD.X	COORD.Y	COORD.Z
3269	416946.696	4585247.014	28.674
3270	416950.650	4585235.578	28.751
3306	416950.444	4585248.200	24.637
3308	416959.190	4585228.414	24.877
3309	416950.463	4585248.349	25.781
3310	416951.185	4585236.682	23.035
3311	416955.883	4585232.583	23.190
3312	416955.905	4585232.518	23.531
3313	416951.230	4585236.548	23.939
3314	416952.287	4585236.756	22.902
3357	416946.320	4585246.820	23.099
3358	416946.312	4585246.830	26.859
3359	416946.717	4585245.788	27.355
3360	416950.243	4585236.700	27.341
3361	416950.669	4585235.594	26.887
3362	416950.616	4585235.607	23.831
3363	416950.811	4585236.685	23.775
3364	416950.760	4585236.710	23.038
3367	416950.986	4585235.388	28.640
3368	416946.305	4585246.873	28.700



SECCION

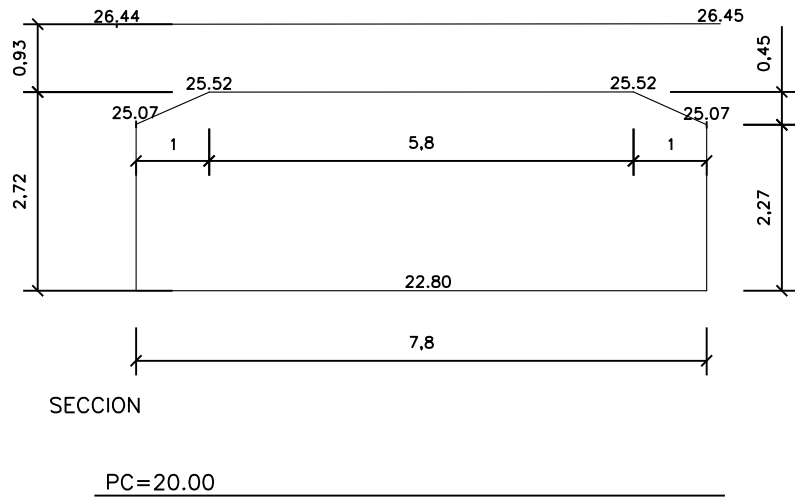
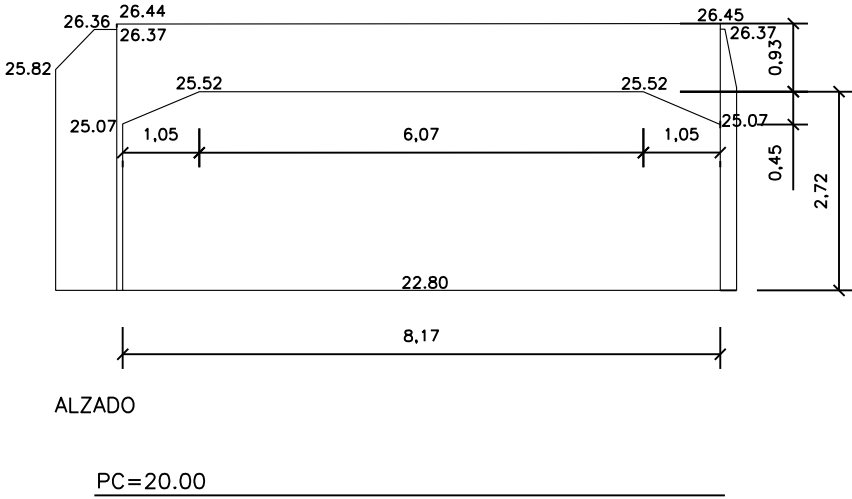
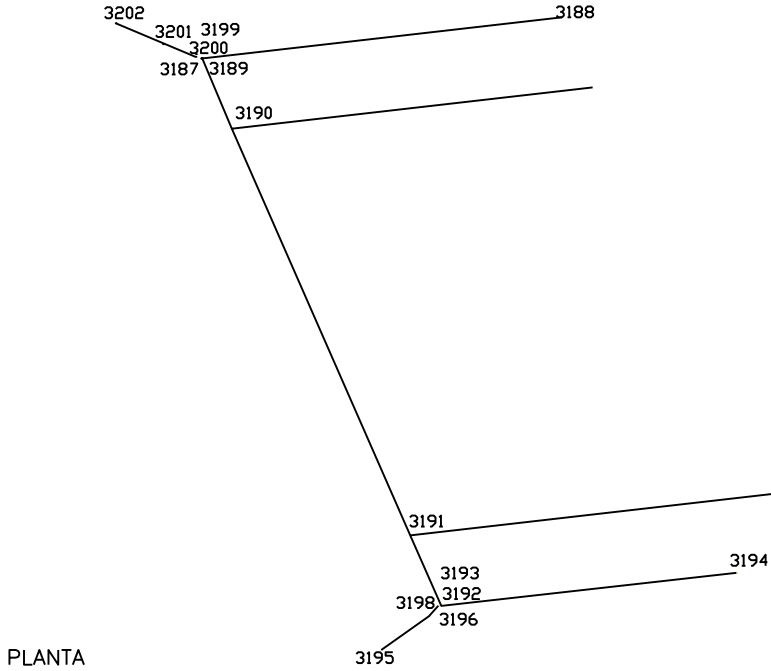
ACTUACIÓN B MARCO RAMAL 1 P.K 1+400 (RIERA DE FONDA). LADO
PALLEJÁ



ACTUACIÓN B MARCO RAMAL 1 P.K 1+400 (RIERA DE FONDA). LADO AVE



NÚMERO	COORD.X	COORD.Y	COORD.Z
3187	417076.580	4584903.941	24.382
3188	417081.513	4584904.505	24.166
3189	417076.593	4584903.950	25.075
3190	417076.999	4584902.984	25.515
3191	417079.439	4584897.427	25.516
3192	417079.862	4584896.464	25.067
3193	417079.874	4584896.463	23.877
3194	417083.896	4584896.914	23.842
3195	417079.042	4584895.860	25.565
3196	417079.695	4584896.321	26.373
3198	417079.821	4584896.465	26.447
3199	417076.510	4584904.002	26.441
3200	417076.504	4584903.966	26.366
3201	417076.060	4584904.138	26.361
3202	417075.413	4584904.425	25.825



ACTUACIÓN B MARCO RAMAL 1 P.K 1+800 (LADO PALLEJÁ)



DESAGUE DE MEDIANA $\phi = 40$ CM A LA IZQUIERDA DEL MARCO



ACTUACIÓN C PUENTE DE LA AP-2 A AMPLIAR (datos en taquimétrico)



Vista general hacia el sur desde la pila 8 por el lado Molins.



Muro de Aleta lado Molins estribo 1



Muro de Aleta lado Molins estribo 1



Detalle del final del muro de Aleta estribo 1 lado Molins



Vista desde el lado Molins de los vanos 1 y 2 hacia el Papiol



Otra vista del Estribo 1 (estribo sur) bajo el tablero a ampliar.



Estribo 1 (estribo sur) del tablero a ampliar. Ya hubo una ampliación de 5 a 7 vigas



Detalle de capitel de la Pila 1. Se empleó el tablero de 5 a 7 vigas.



Pila 1 vista desde el lado Molins



Pila 2 vista desde el vano 1 hacia el norte.



Pila 2 vista desde el vano 3 hacia el sur.



Detalle de la Pila 2 vista desde el vano 3 hacia el sur.



Vista hacia Molins de las pilas 4 y 3 (pórtico).



Cargadero de la Pila 2 vista por debajo desde el vano 3 hacia el sur.



Vista bajo el vano 4 hacia el sur.



Detalle de apoyo de las vigas sobre la pila 4.



Vista del vano 4 hacia el norte. Entre las pilas 4 y 5 cruza el ferrocarril.



Vista hacia Barcelona desde la pila 6 por el lado Molins.



Vista bajo el vano 6 hacia el estribo 1 (estribo sur). Detrás a la izquierda se ve el pórtico de la pila 5.



Vista hacia el lado Molins, bajo el vano 5, de la pila 6 hacia el estribo 2.



Vista por debajo del vano 6 hacia el estribo 2 (estribo norte)



Vista hacia Molins bajo el tablero de los vanos 7 y 6.



Apoyos de la pila 8 vista bajo el tablero



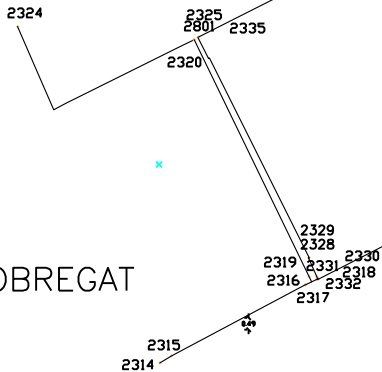
Detalle de apoyo de vigas sobre pila 8.



Vista desde el estribo 2 hacia Barcelona por el lado Molins.

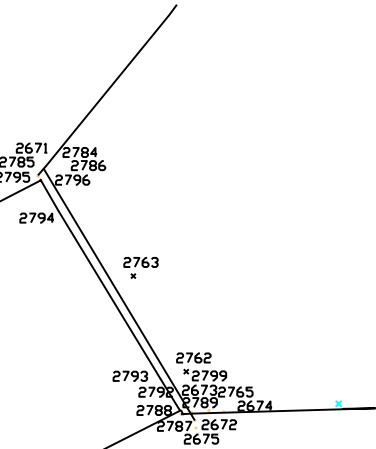
NÚMERO	COORD.X	COORD.Y	COORD.Z
2153	417160.972	4585663.548	25.446
2154	417163.980	4585656.546	24.544
2193	417168.333	4585654.318	24.739
2314	417168.364	4585646.182	25.630
2315	417168.843	4585646.472	25.632
2316	417174.321	4585649.385	28.676
2317	417174.346	4585649.392	28.813
2318	417174.864	4585649.639	28.821
2319	417174.483	4585649.725	29.296
2320	417169.773	4585659.434	29.298
2321	417168.728	4585658.916	28.275
2322	417164.490	4585656.816	25.657
2323	417164.015	4585656.559	25.637
2324	417162.533	4585659.969	25.626
2325	417169.927	4585659.528	27.106
2326	417170.366	4585658.662	28.084
2327	417170.400	4585658.685	28.254
2328	417174.489	4585650.488	28.242
2329	417174.465	4585650.486	28.087
2330	417174.800	4585649.725	27.239
2331	417174.796	4585649.613	27.214
2332	417174.847	4585649.607	24.613
2333	417186.518	4585655.550	24.381
2334	417182.035	4585665.638	24.664
2335	417169.957	4585659.544	24.637
2800	417231.841	4585691.687	28.810
2801	417238.038	4585681.372	28.810

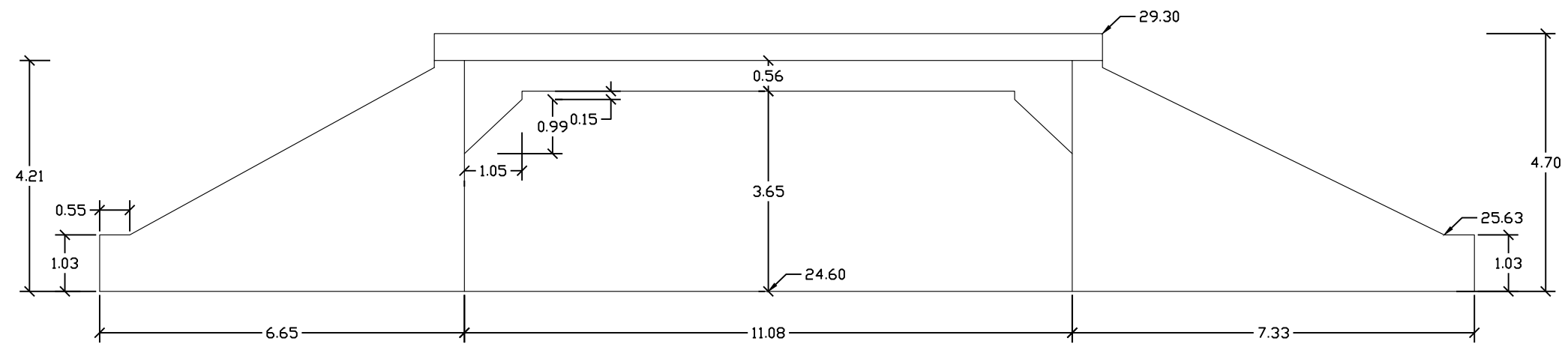
BOQUILLA LADO RIO LLOBREGAT



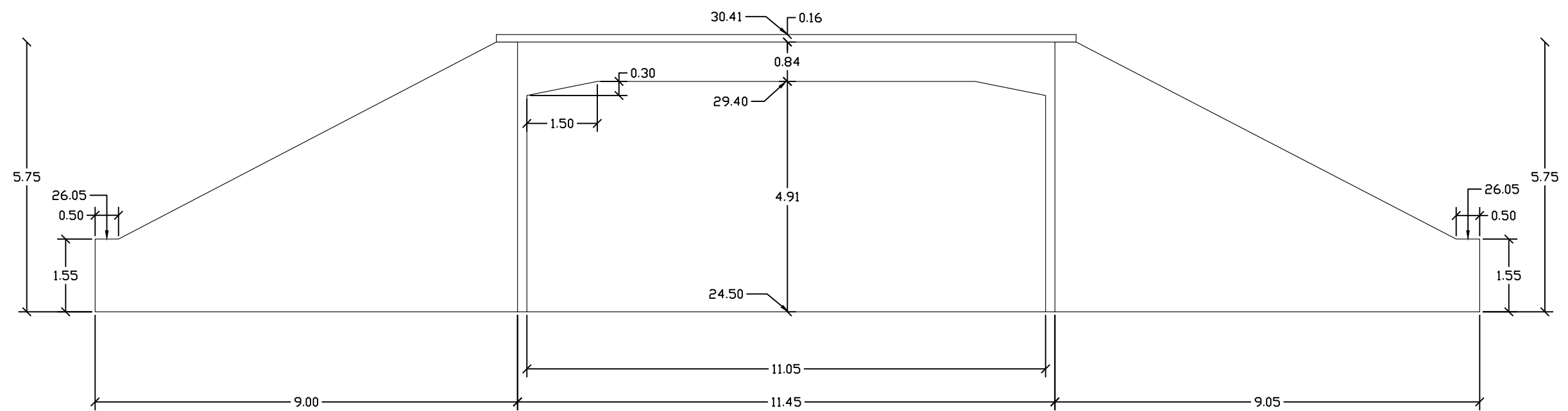
BOQUILLA LADO MOLINS

NÚMERO	COORD.X	COORD.Y	COORD.Z
2671	417231.841	4585691.687	30.414
2672	417238.038	4585681.372	30.389
2673	417237.910	4585681.709	30.151
2674	417239.222	4585681.722	29.633
2675	417238.079	4585681.064	30.123
2737	417237.457	4585698.317	25.008
2762	417237.684	4585683.372	24.487
2763	417235.516	4585687.291	24.886
2765	417238.612	4585681.781	24.432
2766	417243.934	4585682.058	24.906
2782	417237.304	4585698.415	26.050
2783	417236.990	4585697.998	26.092
2784	417231.945	4585691.814	30.181
2785	417231.607	4585691.420	30.243
2786	417231.611	4585691.381	25.366
2787	417237.559	4585681.612	24.462
2788	417237.475	4585681.630	30.248
2789	417237.938	4585681.651	30.226
2790	417245.441	4585681.873	27.056
2791	417244.132	4585681.849	27.627
2792	417237.428	4585681.782	29.114
2793	417236.629	4585683.072	29.412
2794	417232.448	4585689.961	29.402
2795	417231.709	4585691.242	29.098
2796	417231.715	4585691.210	24.883
2797	417221.913	4585686.155	24.795
2798	417226.672	4585676.318	24.574
2799	417237.473	4585681.791	24.243





BOQUILLA LADO RIO LLOBREGAT



BOQUILLA LADO MOLINS

ACTUACIÓN C MARCO C-1413 (RIERA VALLVIDRERA) ALZADO BOQUILLAS

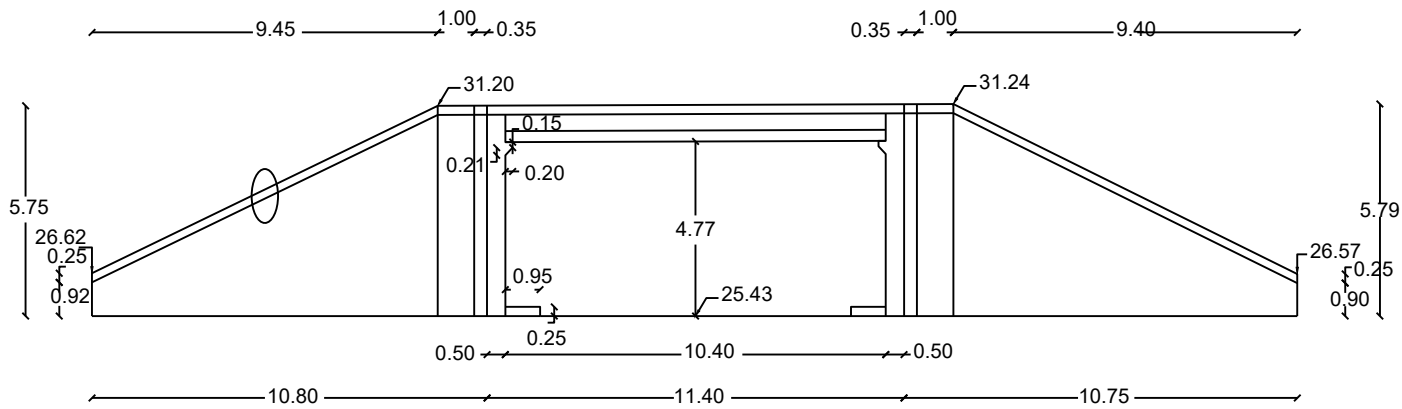
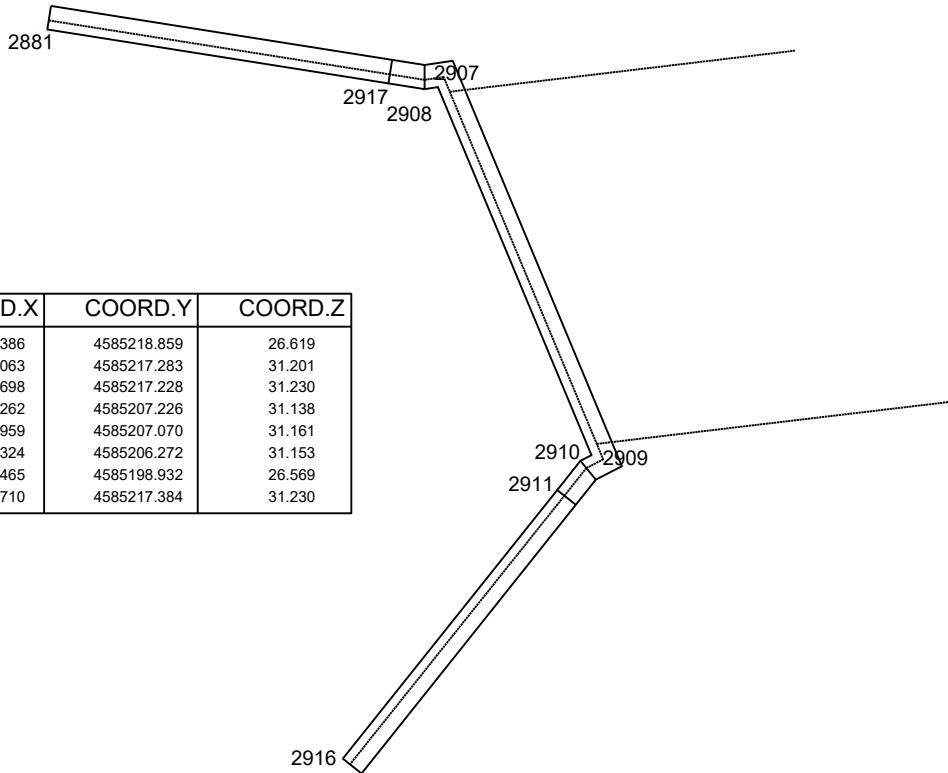
ACTUACIÓN C MARCO C1413 (RIERA VALLVIDRERA). LADO MOLINS



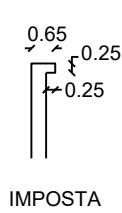
ACTUACIÓN C MARCO C1413 (RIERA VALLVIDRERA). LADO RÍO LLOBREGAT



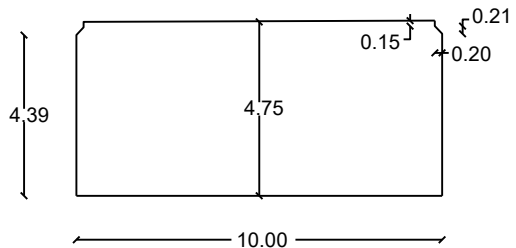
NÚMERO	COORD.X	COORD.Y	COORD.Z
2881	417358.386	4585218.859	26.619
2907	417369.063	4585217.283	31.201
2908	417368.698	4585217.228	31.230
2909	417373.262	4585207.226	31.138
2910	417372.959	4585207.070	31.161
2911	417372.324	4585206.272	31.153
2916	417366.465	4585198.932	26.569
2917	417367.710	4585217.384	31.230



ALZADO E: 1/100



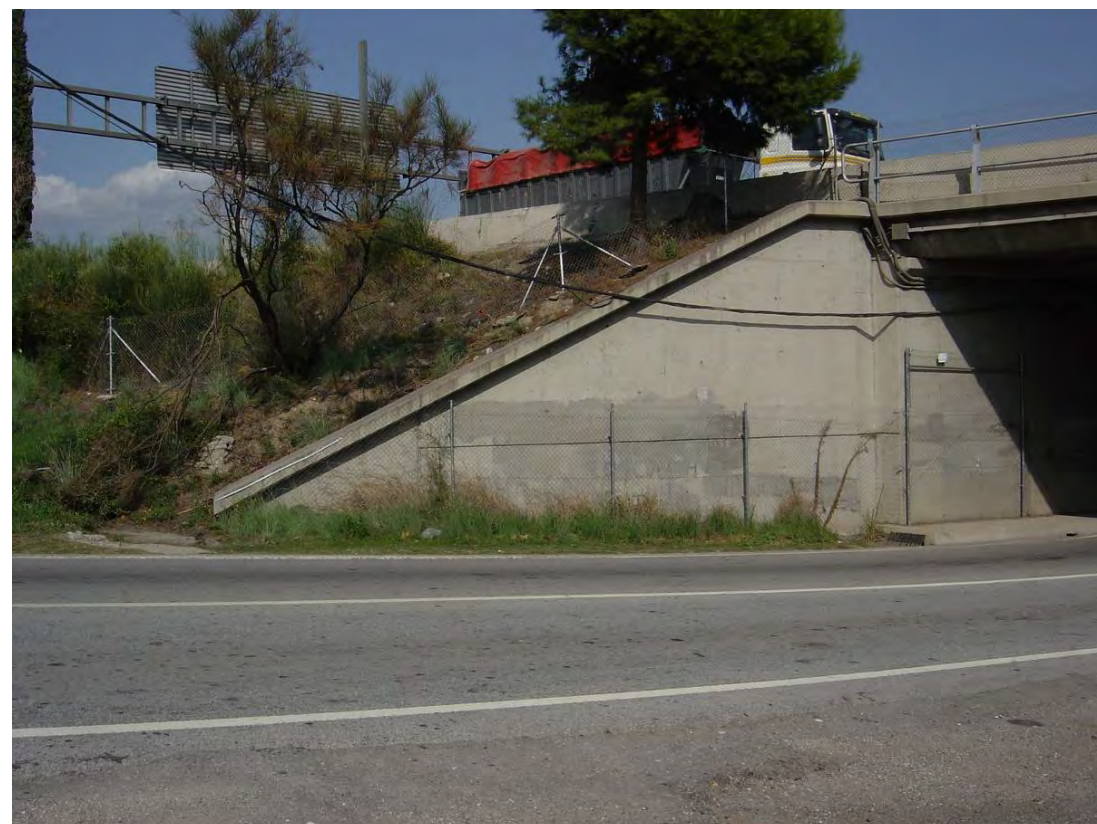
IMPOSTA



SECCION E: 1/100

ACTUACIÓN C MARCO RAMAL 2 PASO INFERIOR DE MOLINS

**ACTUACIÓN C ESTRUCTURA RAMAL 2 PASO INFERIOR DE MOLINS.
BOQUILLA LADO RÍO.**



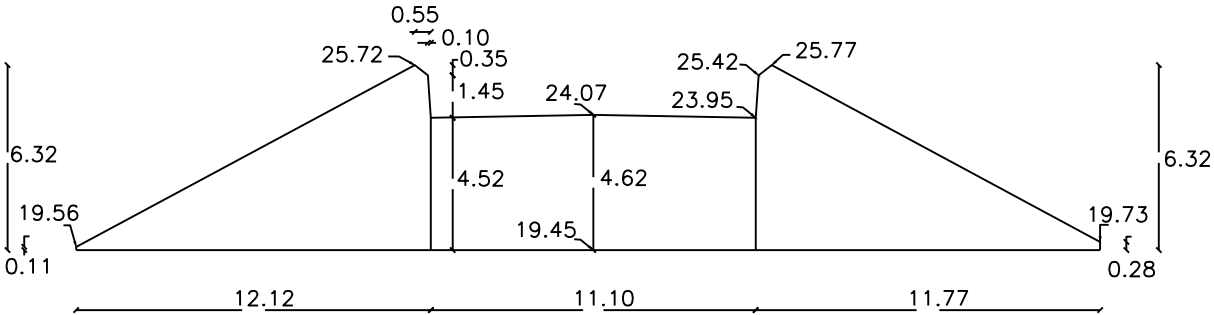
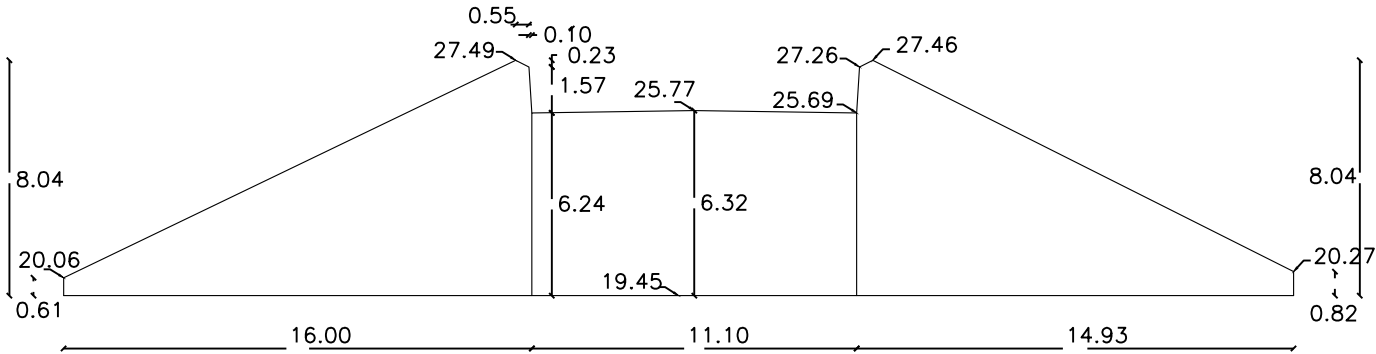
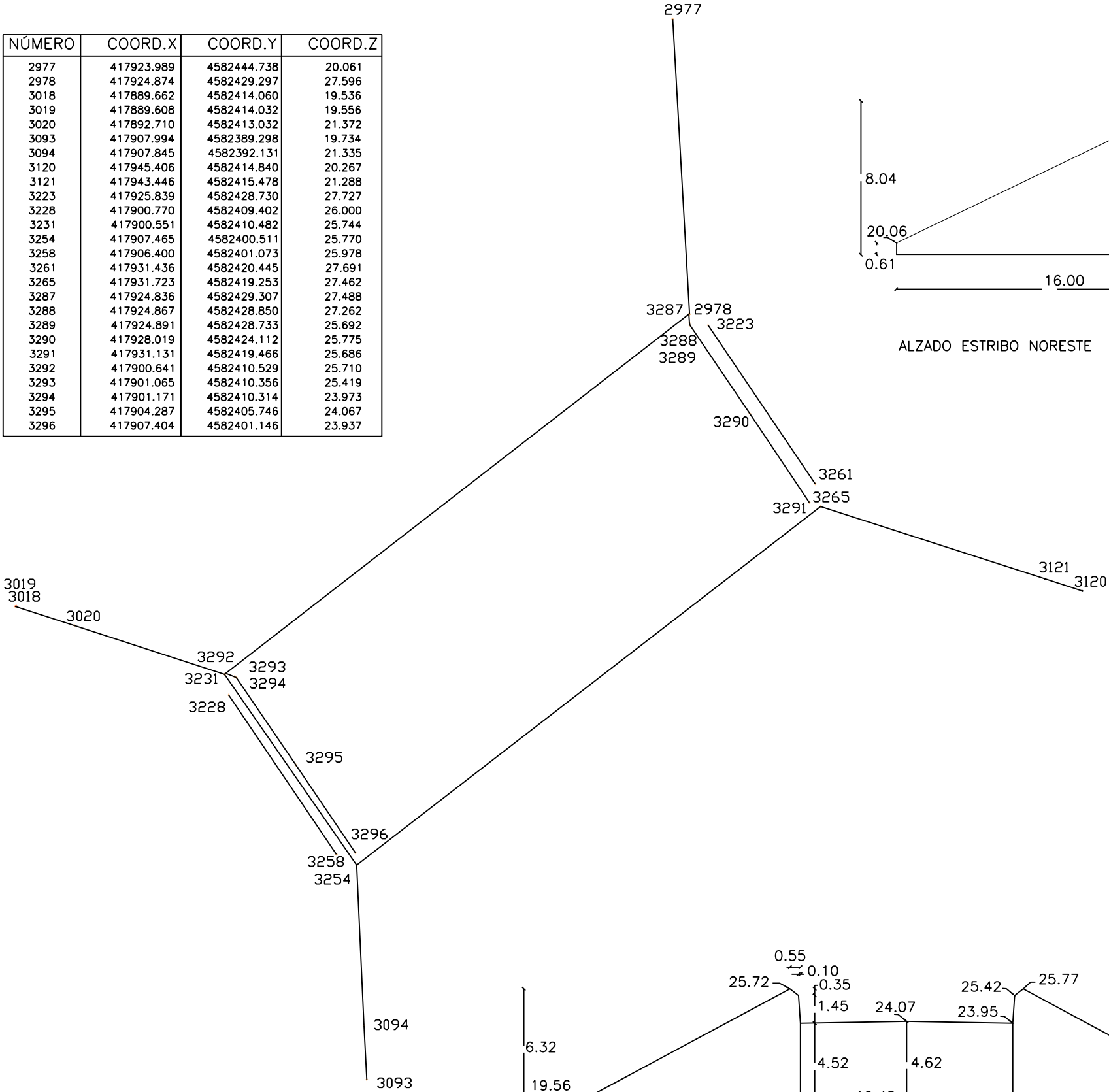
ACTUACIÓN C MARCO RAMAL 2 PASO INFERIOR DE MOLINS (DETALLE DE ESTRIBOS Y TABLERO POR EL LADO RÍO).



**ACTUACIÓN C ESTRUCTURA RAMAL 2 PASO INFERIOR DE MOLINS.
BOQUILLA LADO MOLINS.**



NÚMERO	COORD.X	COORD.Y	COORD.Z
2977	417923.989	4582444.738	20.061
2978	417924.874	4582429.297	27.596
3018	417889.662	4582414.060	19.536
3019	417889.608	4582414.032	19.556
3020	417892.710	4582413.032	21.372
3093	417907.994	4582389.298	19.734
3094	417907.845	4582392.131	21.335
3120	417945.406	4582414.840	20.267
3121	417943.446	4582415.478	21.288
3223	417925.839	4582428.730	27.727
3228	417900.770	4582409.402	26.000
3231	417900.551	4582410.482	25.744
3254	417907.465	4582400.511	25.770
3258	417906.400	4582401.073	25.978
3261	417931.436	4582420.445	27.691
3265	417931.723	4582419.253	27.462
3287	417924.836	4582429.307	27.488
3288	417924.867	4582428.850	27.262
3289	417924.891	4582428.733	25.692
3290	417928.019	4582424.112	25.775
3291	417931.131	4582419.466	25.686
3292	417900.641	4582410.529	25.710
3293	417901.065	4582410.356	25.419
3294	417901.171	4582410.314	23.973
3295	417904.287	4582405.746	24.067
3296	417907.404	4582401.146	23.937



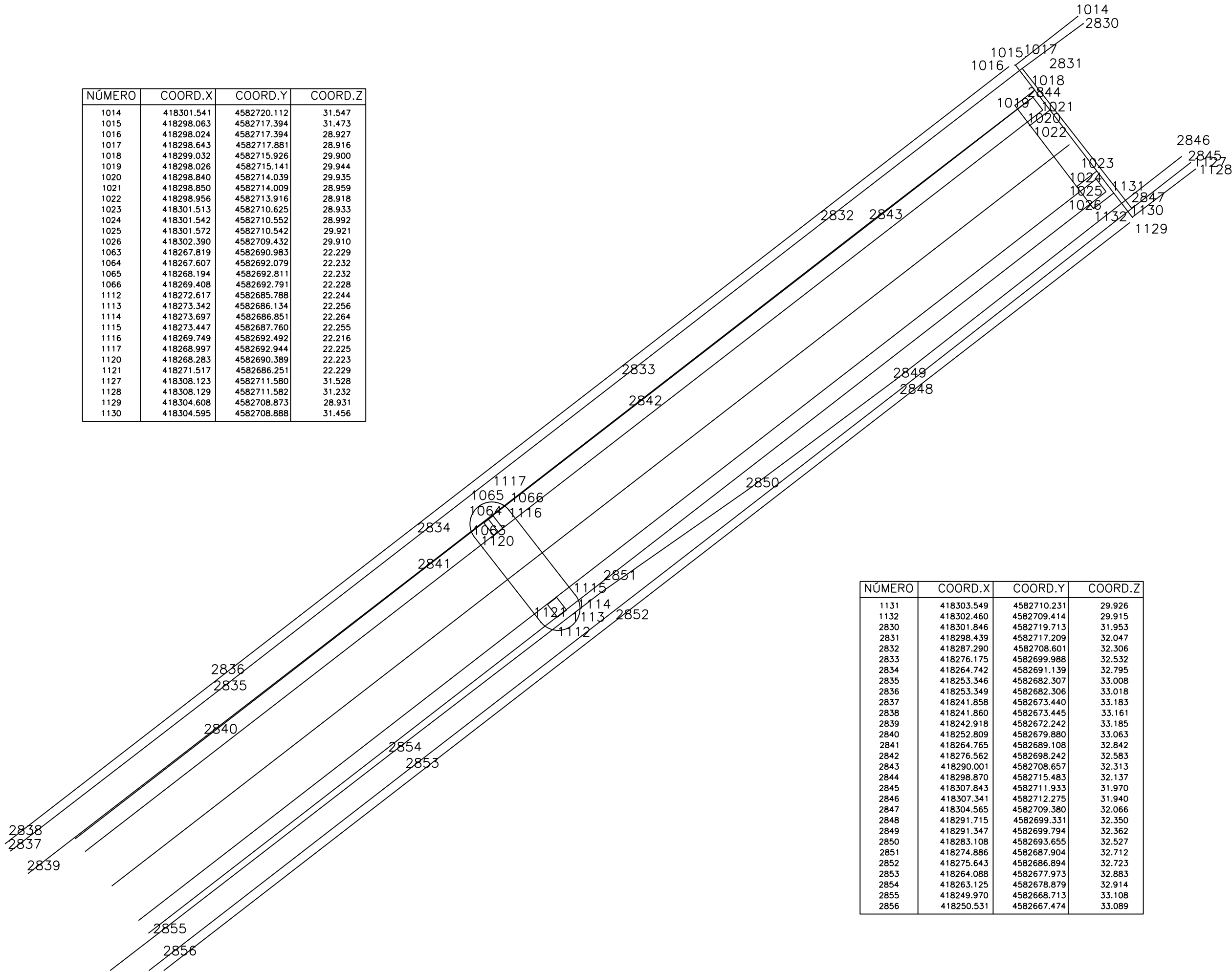
ACTUACIÓN E ESTRUCTURA RAMAL 0 SOBRE CANAL (VISTA DESDE EL SUR) Y ESTRIBO ESTE)



ACTUACIÓN E ESTRUCTURA RAMAL 0 SOBRE CANAL (ESTRIBO OESTE)

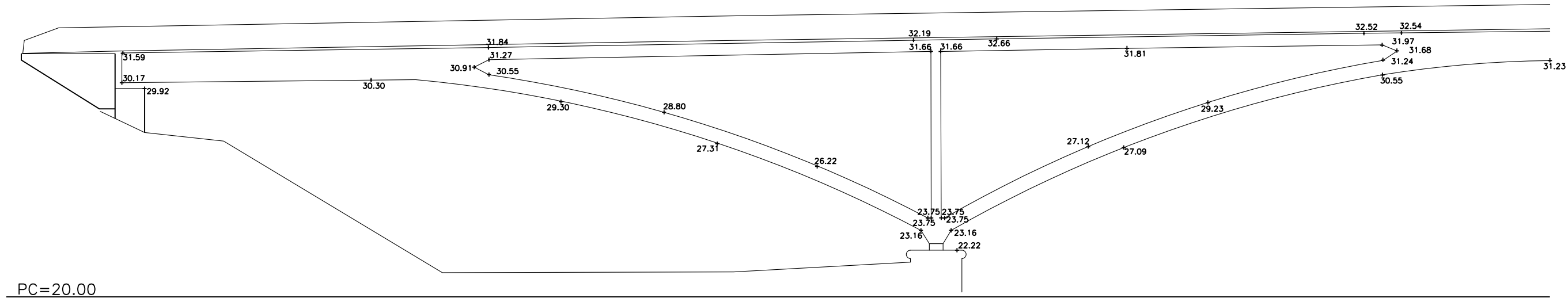


NÚMERO	COORD.X	COORD.Y	COORD.Z
1014	418301.541	4582720.112	31.547
1015	418298.063	4582717.394	31.473
1016	418298.024	4582717.394	28.927
1017	418298.643	4582717.881	28.916
1018	418299.032	4582715.926	29.900
1019	418298.026	4582715.141	29.944
1020	418298.840	4582714.039	29.935
1021	418298.850	4582714.009	28.959
1022	418298.956	4582713.916	28.918
1023	418301.513	4582710.625	28.933
1024	418301.542	4582710.552	28.992
1025	418301.572	4582710.542	29.921
1026	418302.390	4582709.432	29.910
1063	418267.819	4582690.983	22.229
1064	418267.607	4582692.079	22.232
1065	418268.194	4582692.811	22.232
1066	418269.408	4582692.791	22.228
1112	418272.617	4582685.788	22.244
1113	418273.342	4582686.134	22.256
1114	418273.697	4582686.851	22.264
1115	418273.447	4582687.760	22.255
1116	418269.749	4582692.492	22.216
1117	418268.997	4582692.944	22.225
1120	418268.283	4582690.389	22.223
1121	418271.517	4582686.251	22.229
1127	418308.123	4582711.580	31.528
1128	418308.129	4582711.582	31.232
1129	418304.608	4582708.873	28.931
1130	418304.595	4582708.888	31.456

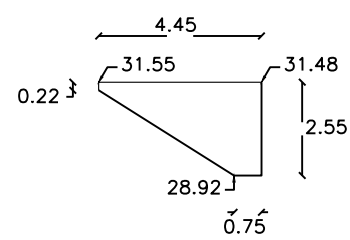


NÚMERO	COORD.X	COORD.Y	COORD.Z
1131	418303.549	4582710.231	29.926
1132	418302.460	4582709.414	29.915
2830	418301.846	4582719.713	31.953
2831	418298.439	4582717.209	32.047
2832	418287.290	4582708.601	32.306
2833	418276.175	4582699.988	32.532
2834	418264.742	4582691.139	32.795
2835	418253.346	4582682.307	33.008
2836	418253.349	4582682.306	33.018
2837	418241.858	4582673.440	33.183
2838	418241.860	4582673.445	33.161
2839	418242.918	4582672.242	33.185
2840	418252.809	4582679.880	33.063
2841	418264.765	4582689.108	32.842
2842	418276.562	4582698.242	32.583
2843	418290.001	4582708.657	32.313
2844	418298.870	4582715.483	32.137
2845	418307.843	4582711.933	31.970
2846	418307.341	4582712.275	31.940
2847	418304.565	4582709.380	32.066
2848	418291.715	4582699.331	32.350
2849	418291.347	4582699.794	32.362
2850	418283.108	4582693.655	32.527
2851	418274.886	4582687.904	32.712
2852	418275.643	4582686.894	32.723
2853	418264.088	4582677.973	32.883
2854	418263.125	4582678.879	32.914
2855	418249.970	4582668.713	33.108
2856	418250.531	4582667.474	33.089

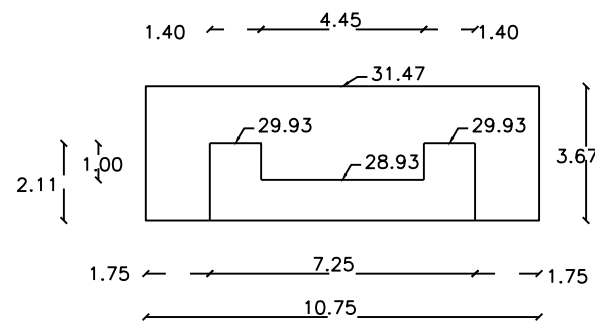
ACTUACIÓN E VANO 1 PUENTE ARCO RAMAL 3 PLANTA



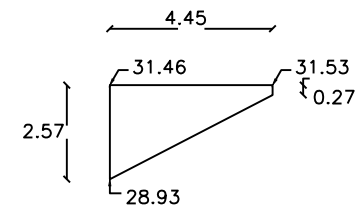
ALZADO ESTRUCTURA E 1/100



ALZADO ALETA E 1/100



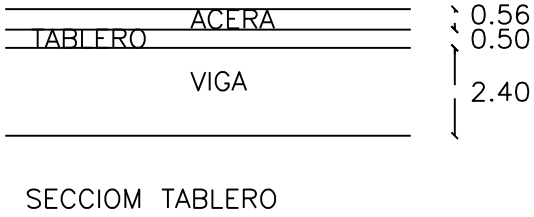
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ALZADO ALETA E 1/100

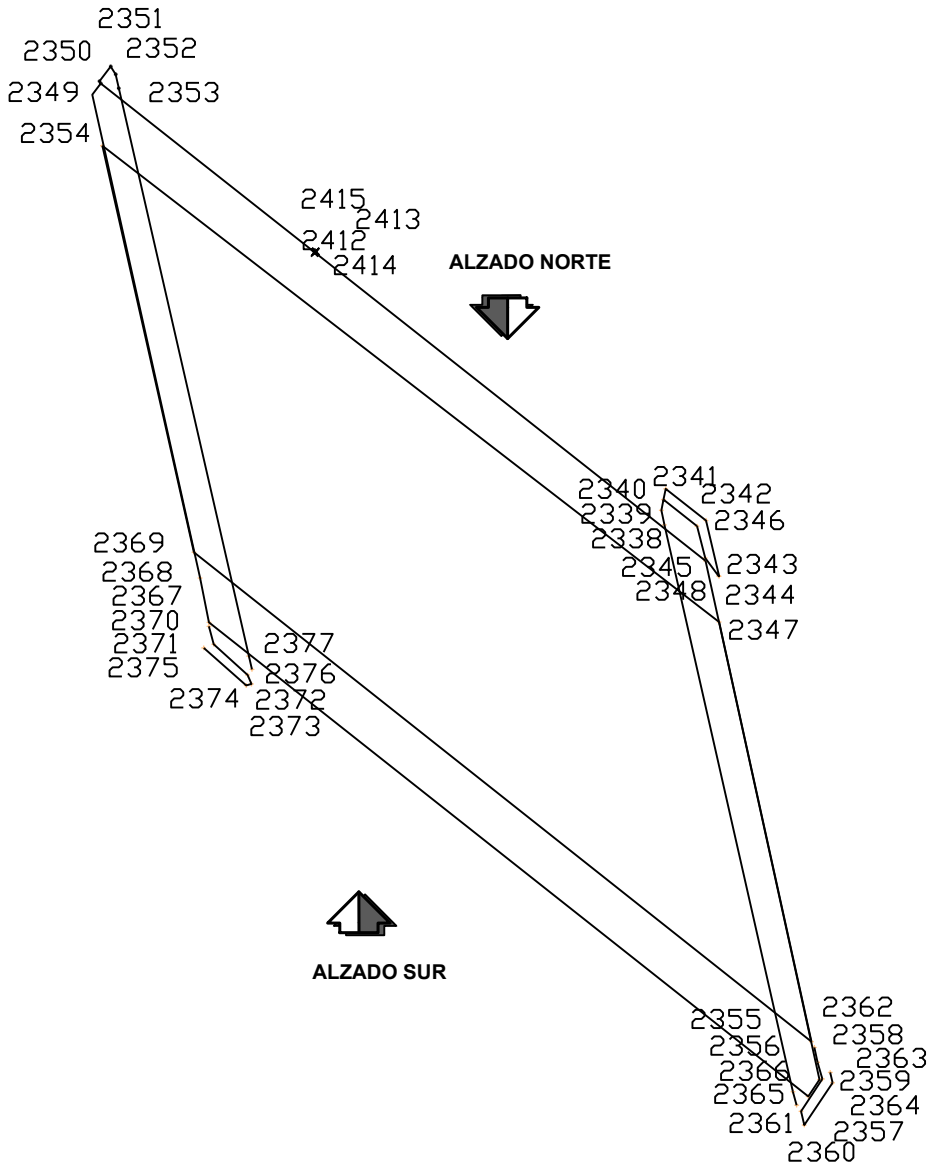
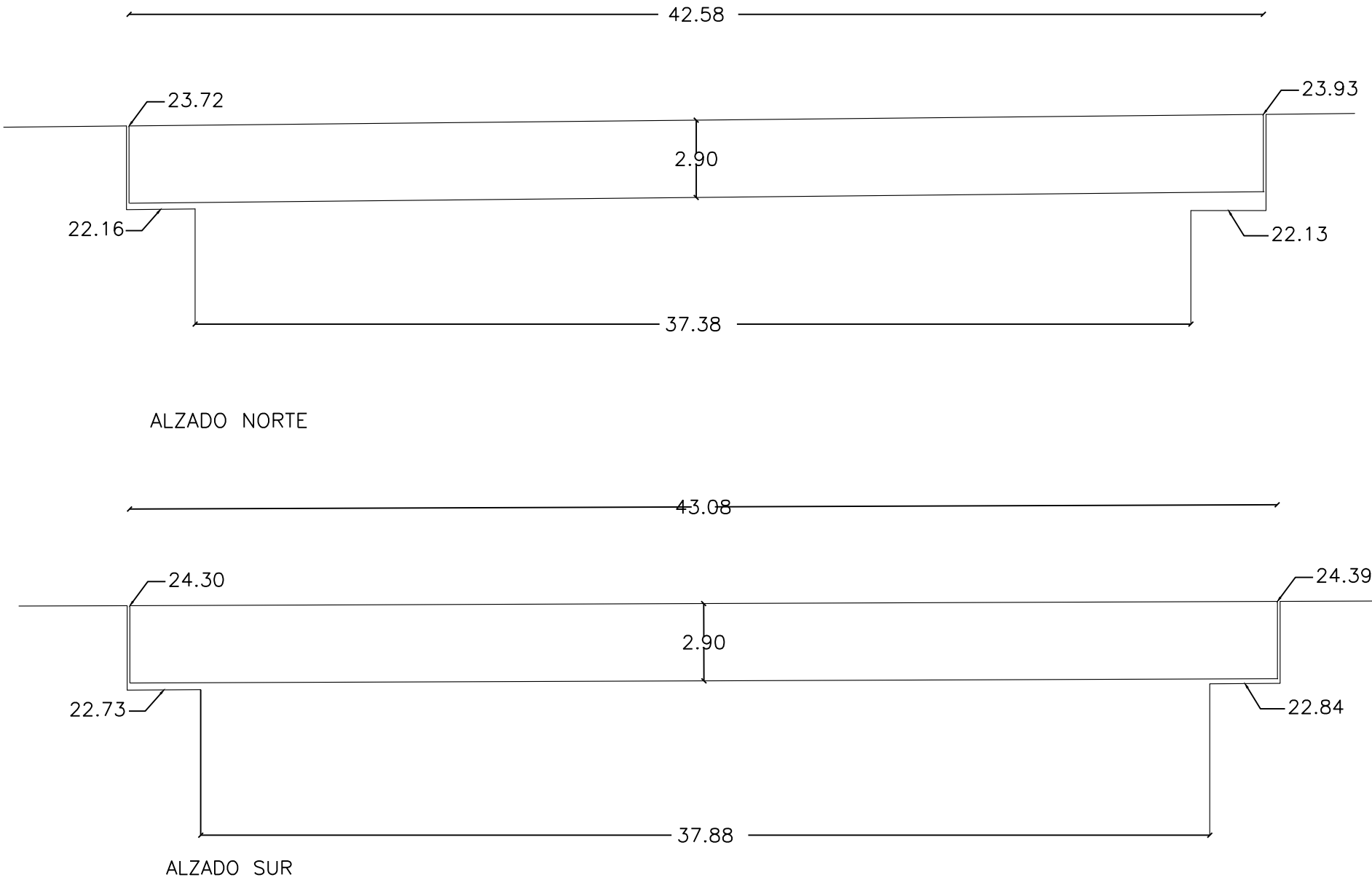
ACTUACIÓN E VANO 1 PUENTE ARCO RAMAL 3





NÚMERO	COORD.X	COORD.Y	COORD.Z	CÓDIGO
2338	418427.851	4583010.228	22.011	muro
2339	418427.769	4583010.624	22.018	muro
2340	418427.825	4583010.919	23.407	muro
2341	418427.887	4583011.209	23.375	muro
2342	418428.989	4583010.346	23.614	muro
2343	418429.349	4583008.823	23.692	muro
2344	418429.333	4583008.831	23.693	muro
2345	418428.968	4583009.320	23.662	muro
2346	418428.745	4583010.191	23.619	muro
2347	418429.347	4583007.572	23.935	junta
2348	418428.976	4583009.243	24.012	tablero
2349	418412.445	4583022.289	23.847	tablero
2350	418412.408	4583022.350	23.525	muro
2351	418412.716	4583022.755	23.477	muro
2352	418412.851	4583022.539	22.023	muro
2353	418412.934	4583022.157	22.039	muro
2354	418412.487	4583020.587	23.720	junta
2355	418431.872	4582996.100	24.389	junta
2356	418432.093	4582995.066	24.772	tablero
2357	418431.785	4582994.606	24.756	tablero
2358	418432.040	4582995.537	24.446	muro
2359	418432.172	4582995.081	24.487	muro
2360	418431.674	4582993.824	24.373	muro

NÚMERO	COORD.X	COORD.Y	COORD.Z	CÓDIGO
2361	418431.587	4582994.198	24.470	muro
2362	418431.950	4582995.946	24.424	muro
2363	418432.385	4582995.261	24.468	muro
2364	418432.449	4582994.978	24.453	muro
2365	418431.468	4582994.366	22.990	muro
2366	418431.366	4582994.734	22.965	muro
2367	418415.401	4583007.562	24.503	tablero
2368	418415.158	4583008.773	24.462	tablero
2369	418414.990	4583009.478	24.295	junta
2370	418415.401	4583007.454	24.311	muro
2371	418415.531	4583006.964	24.331	muro
2372	418416.458	4583006.122	24.319	muro
2373	418416.562	4583005.877	24.198	muro
2374	418416.421	4583005.838	24.211	muro
2375	418415.259	4583006.864	24.319	muro
2376	418416.578	4583006.278	22.799	muro
2377	418416.488	4583006.640	22.826	muro
2408	418398.164	4583027.324	20.989	
2412	418418.289	4583017.658	23.933	cota
2413	418418.311	4583017.688	23.645	cota
2414	418418.320	4583017.701	23.401	cota
2415	418418.312	4583017.690	22.199	cota

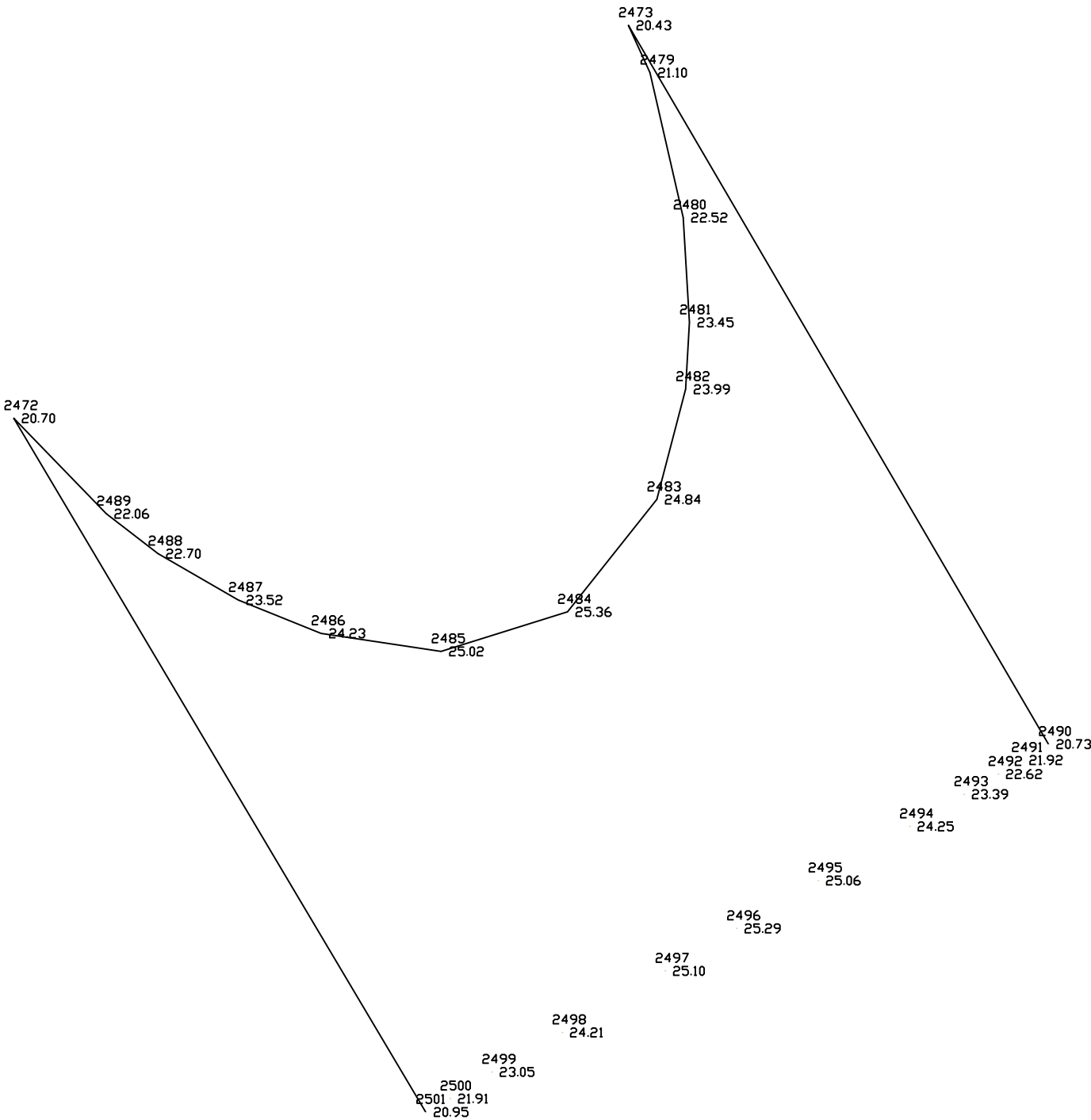
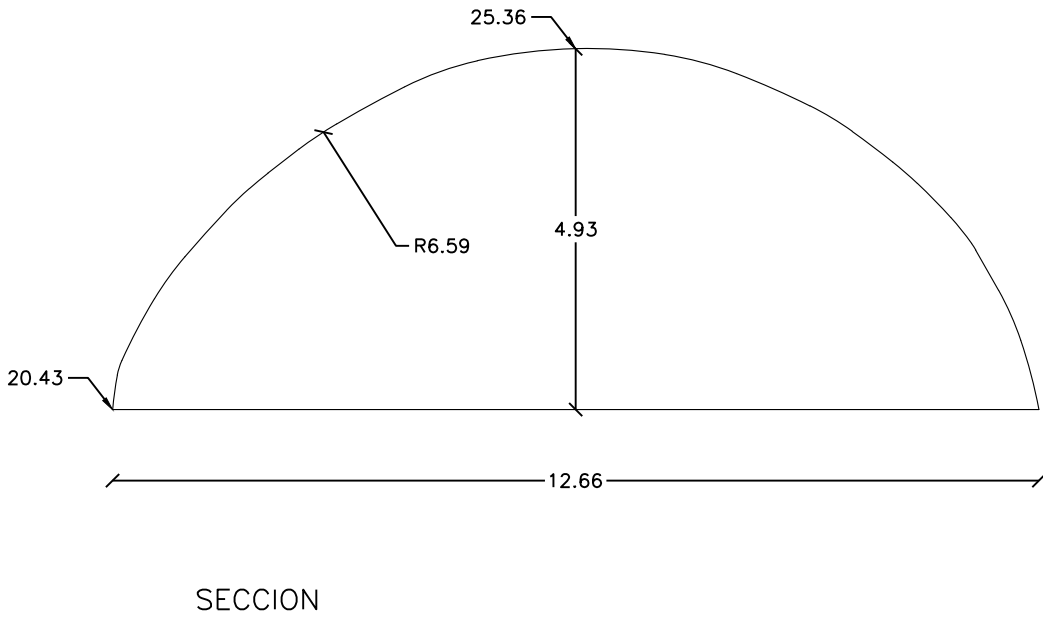


ACTUACIÓN E ESTRUCTURA RAMAL 5 PK. 5+240

ACTUACIÓN E ESTRUCTURA RAMAL 5 PK 5+240



NÚMERO	COORD.X	COORD.Y	COORD.Z
2472	418577.320	4582950.568	20.695
2473	418587.916	4582957.342	20.435
2479	418588.287	4582956.526	21.097
2480	418588.860	4582954.028	22.516
2481	418588.968	4582952.220	23.455
2482	418588.903	4582951.068	23.988
2483	418588.406	4582949.168	24.840
2484	418586.865	4582947.230	25.356
2485	418584.686	4582946.549	25.021
2486	418582.617	4582946.860	24.229
2487	418581.191	4582947.435	23.515
2488	418579.806	4582948.234	22.701
2489	418578.917	4582948.922	22.062
2490	418595.156	4582944.950	20.735
2491	418594.690	4582944.675	21.922
2492	418594.288	4582944.434	22.616
2493	418593.699	4582944.087	23.390
2494	418592.762	4582943.532	24.249
2495	418591.184	4582942.599	25.056
2496	418589.780	4582941.774	25.289
2497	418588.546	4582941.041	25.100
2498	418586.771	4582939.980	24.213
2499	418585.559	4582939.299	23.048
2500	418584.839	4582938.840	21.911
2501	418584.421	4582938.608	20.948



ACTUACIÓN E BÓVEDA RAMAL 5 PK 5+100



LADO NORTE (A AMPLIAR)



LADO SUR

3.17.5.- Servicios Afectados

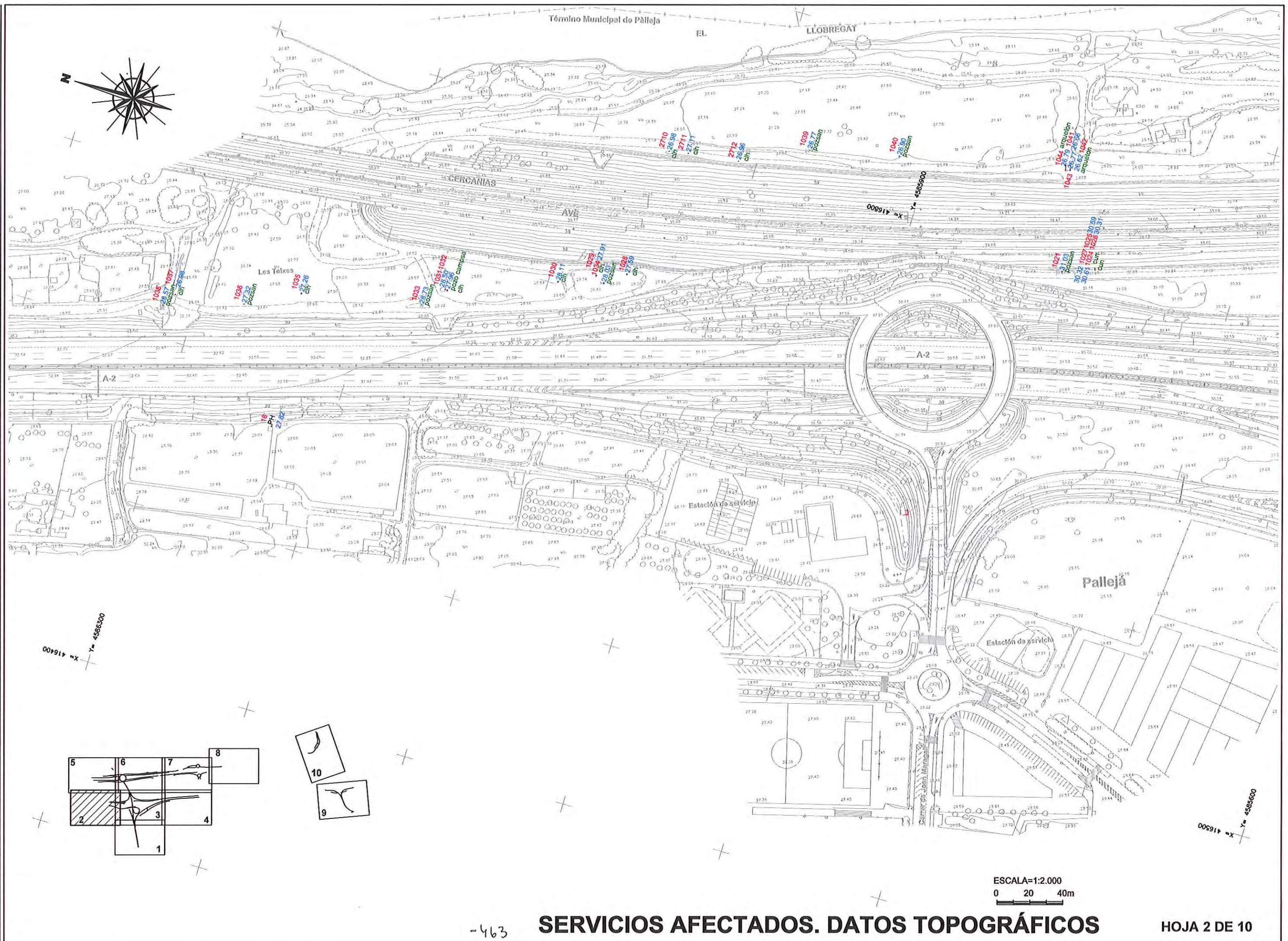
CODIGO DE PROYECTO: PC-BAIX	REALIZADO POR: JOSE BARBERO MARTINEZ	REVISION N.º: 0	SUSTITUYE A:
NOMBRE DEL FICHERO: 0-DATOSTOPOGR-01.DWG	VERIFICADO POR: MANUEL SERRANO GONZALEZ	FECHA: 19/11/2012	SUSTITUIDO POR:



-461-

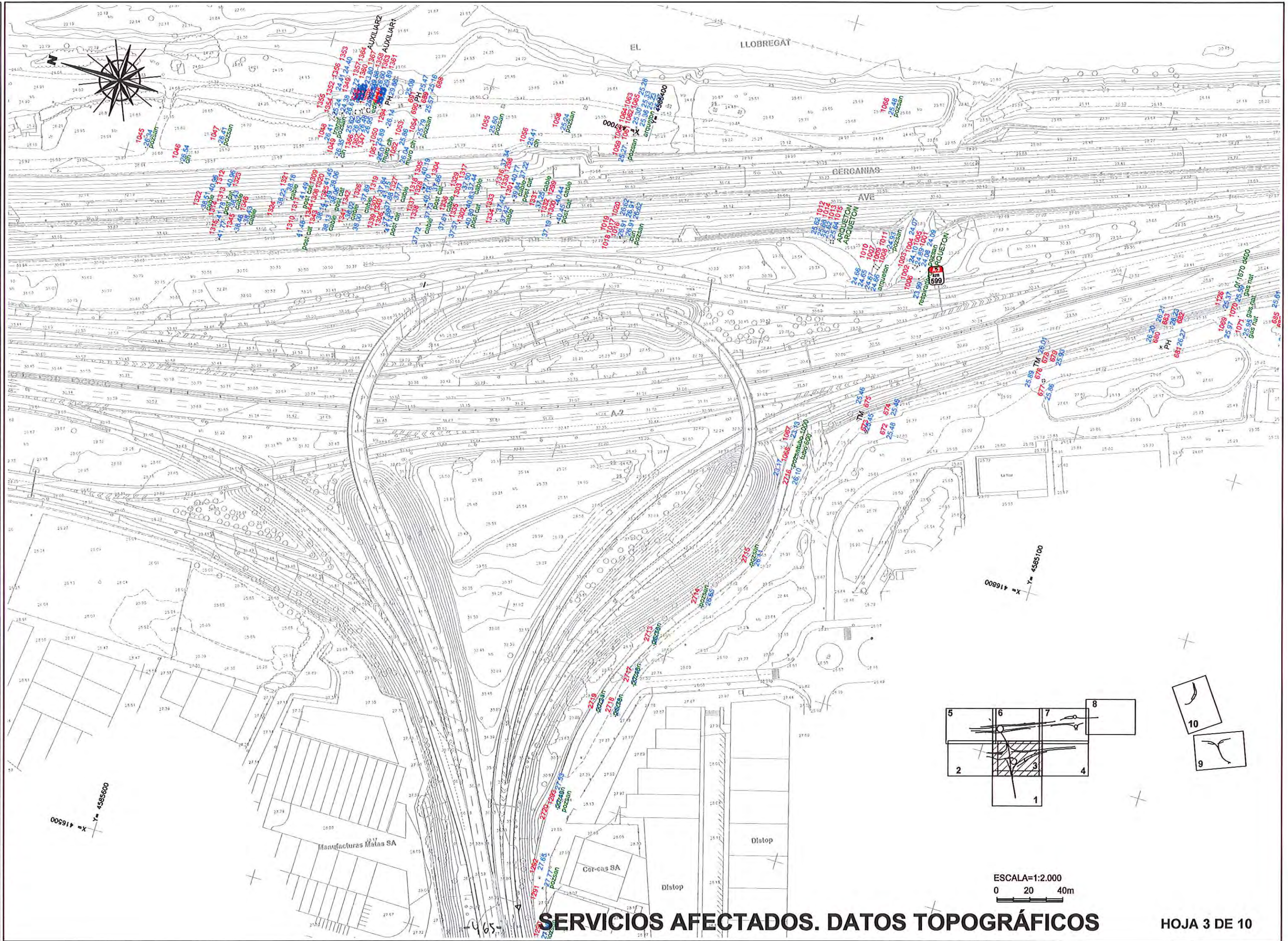
SERVICIOS AFECTADOS. DATOS TOPOGRÁFICOS

CODIGO DE PROYECTO: PC-BAIX	REALIZADO POR: JOSE BARBERO MARTINEZ	REVISION N.º: 0	SUSTITUYE A:
NOMBRE DEL FICHERO: 0-DATOSTOPOGR-02.DWG	VERIFICADO POR: MANUEL SERRANO GONZALEZ	FECHA: 19/11/2012	SUSTITUIDO POR:

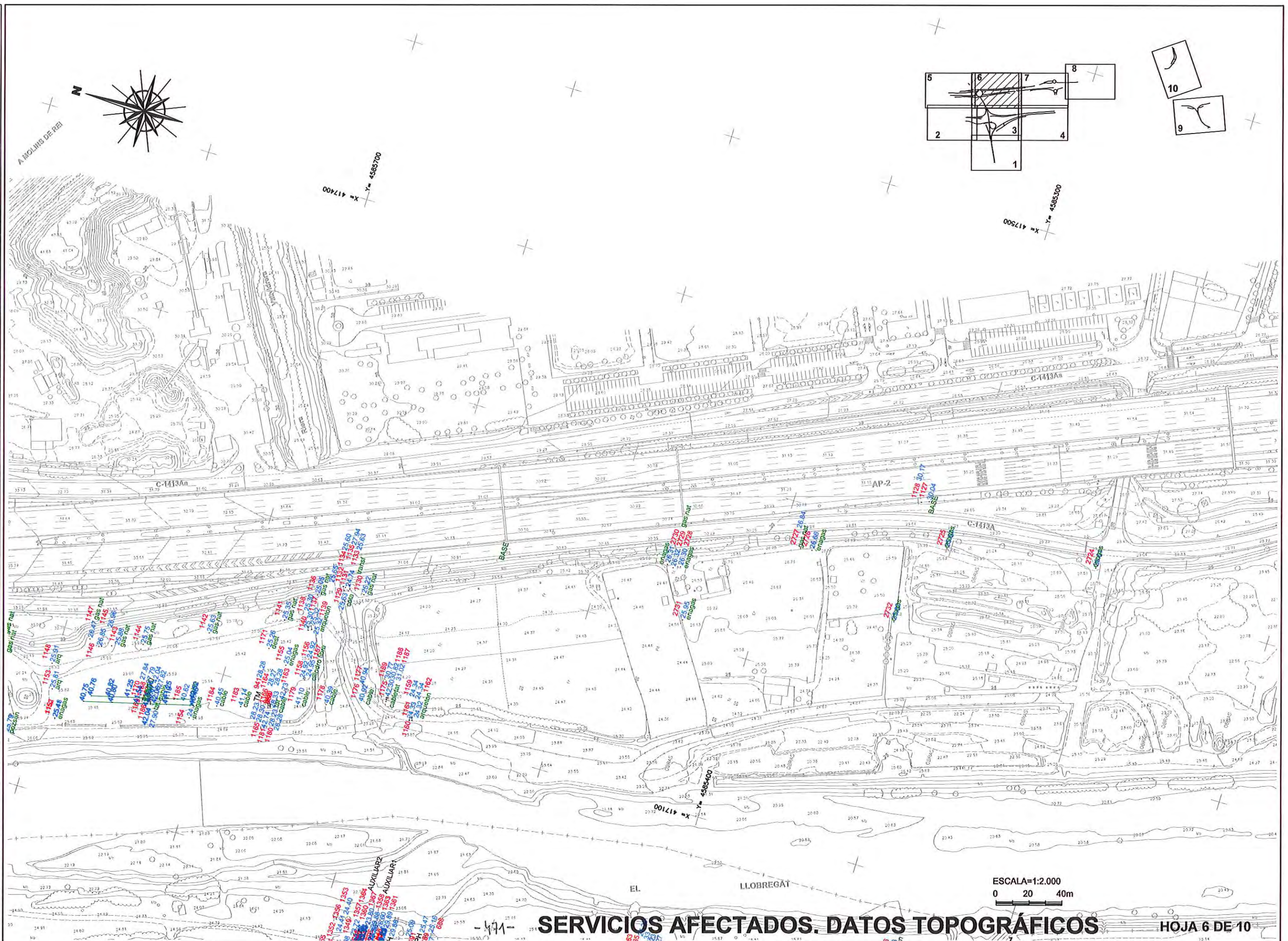


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SERVICIOS AFECTADOS. DATOS TOPOGRÁFICOS







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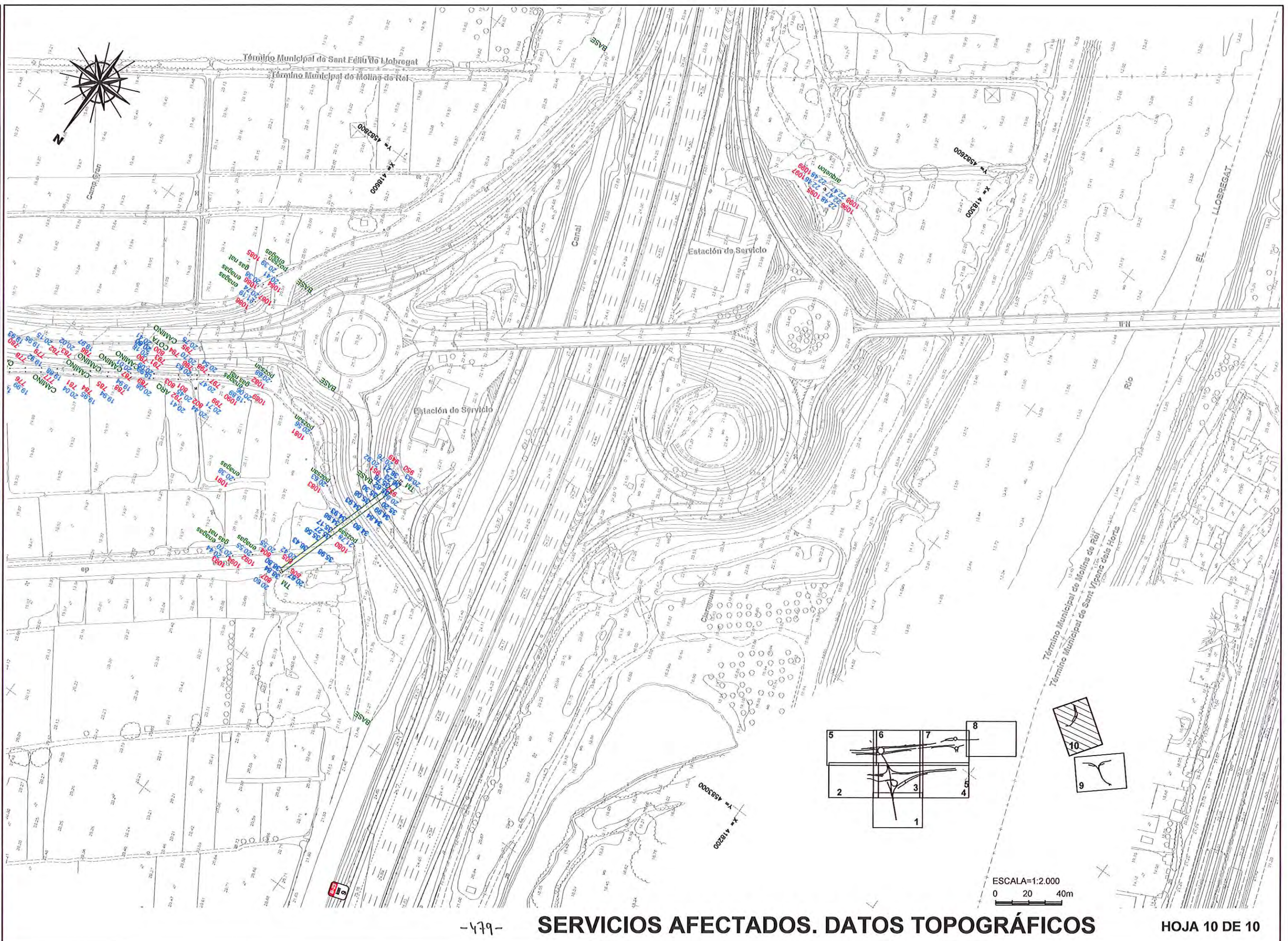


CODIGO DE PROYECTO: PC-BAIX	REALIZADO POR: JOSE BARBERO MARTINEZ	REVISION N.º: 0	SUSTITUYE A:
NOMBRE DEL FICHERO: O-BANDASBLANCAS-09.DWG	VERIFICADO POR: MANUEL SERRANO GONZALEZ	FECHA: 19/11/2012	SUSTITUIDO POR:



-477-

SERVICIOS AFECTADOS. DATOS TOPOGRÁFICOS



3.18.- TRANSVERSALES DE CAMPO

EL PRESENTE PROYECTO CORRESPONDE A ACTUACIONES EN ENLACES. AL NO EXISTIR TRONCO, NO SE REQUIEREN TRANSVERSALES DE CAMPO.