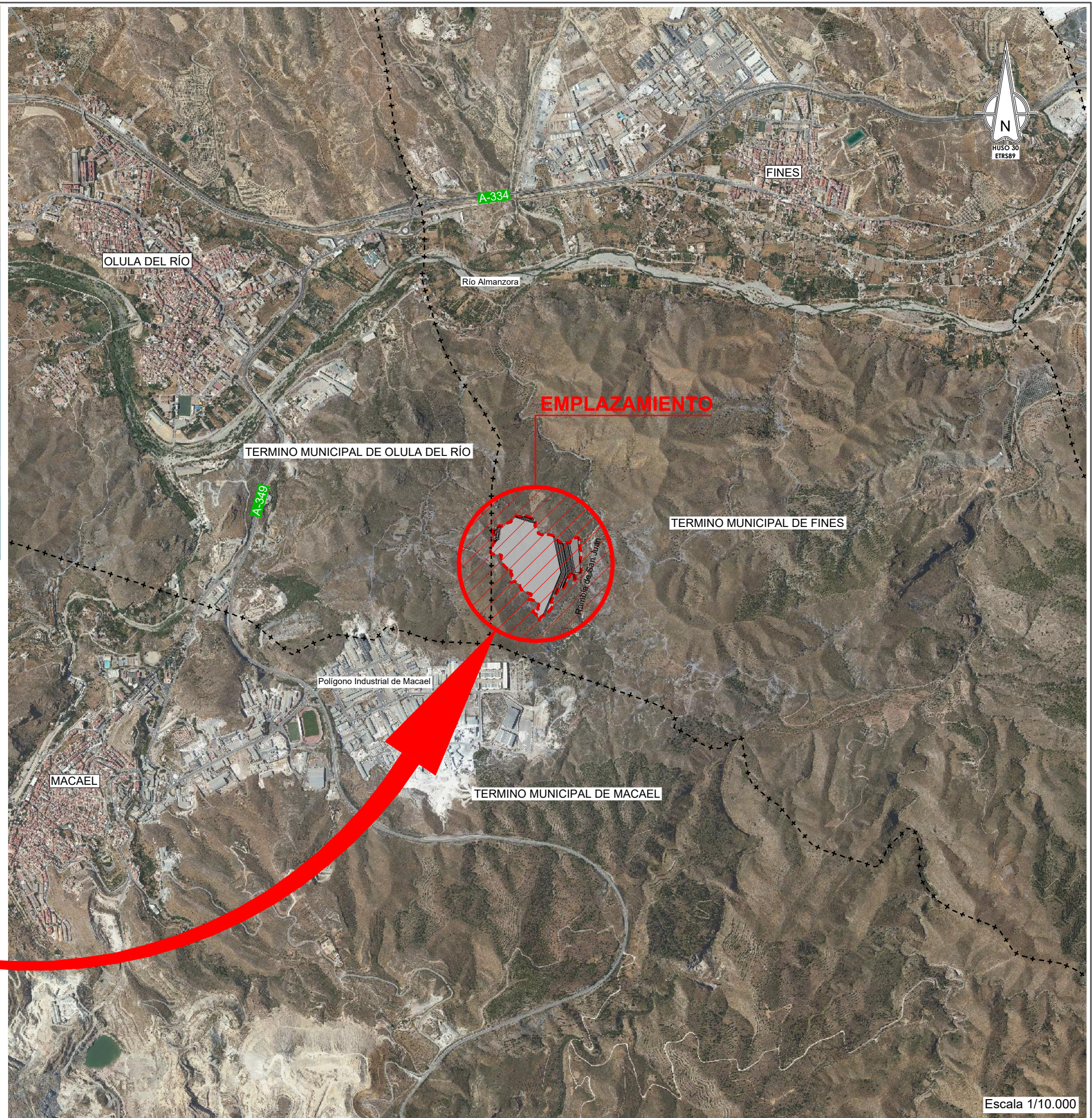
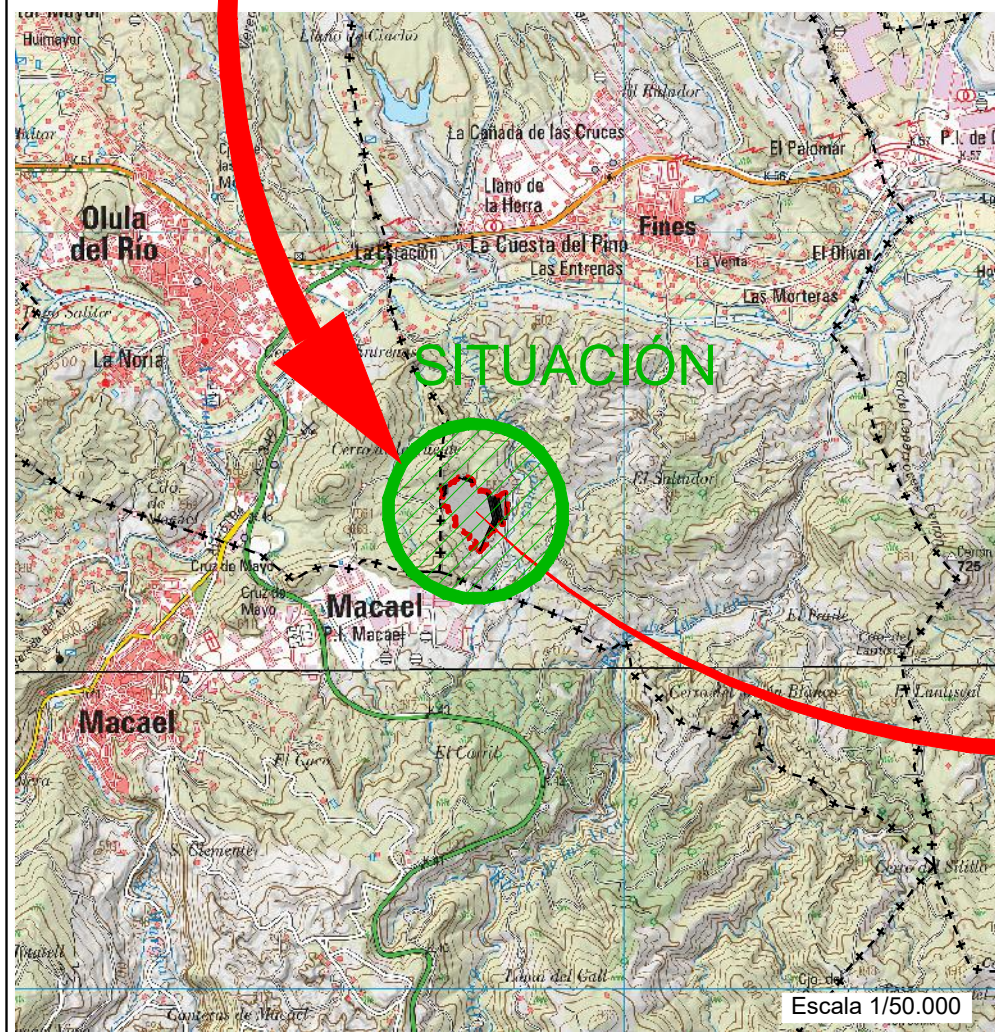
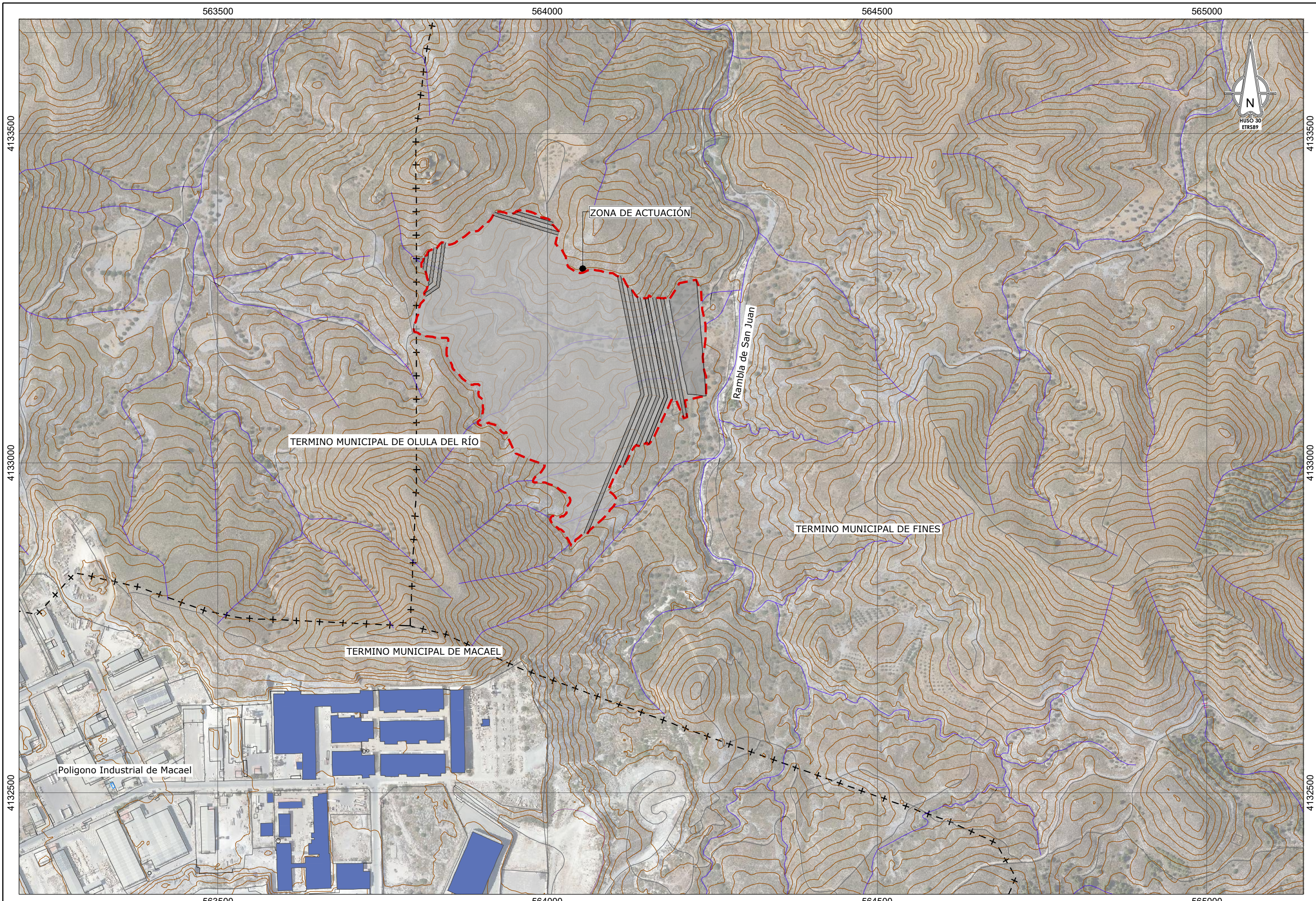


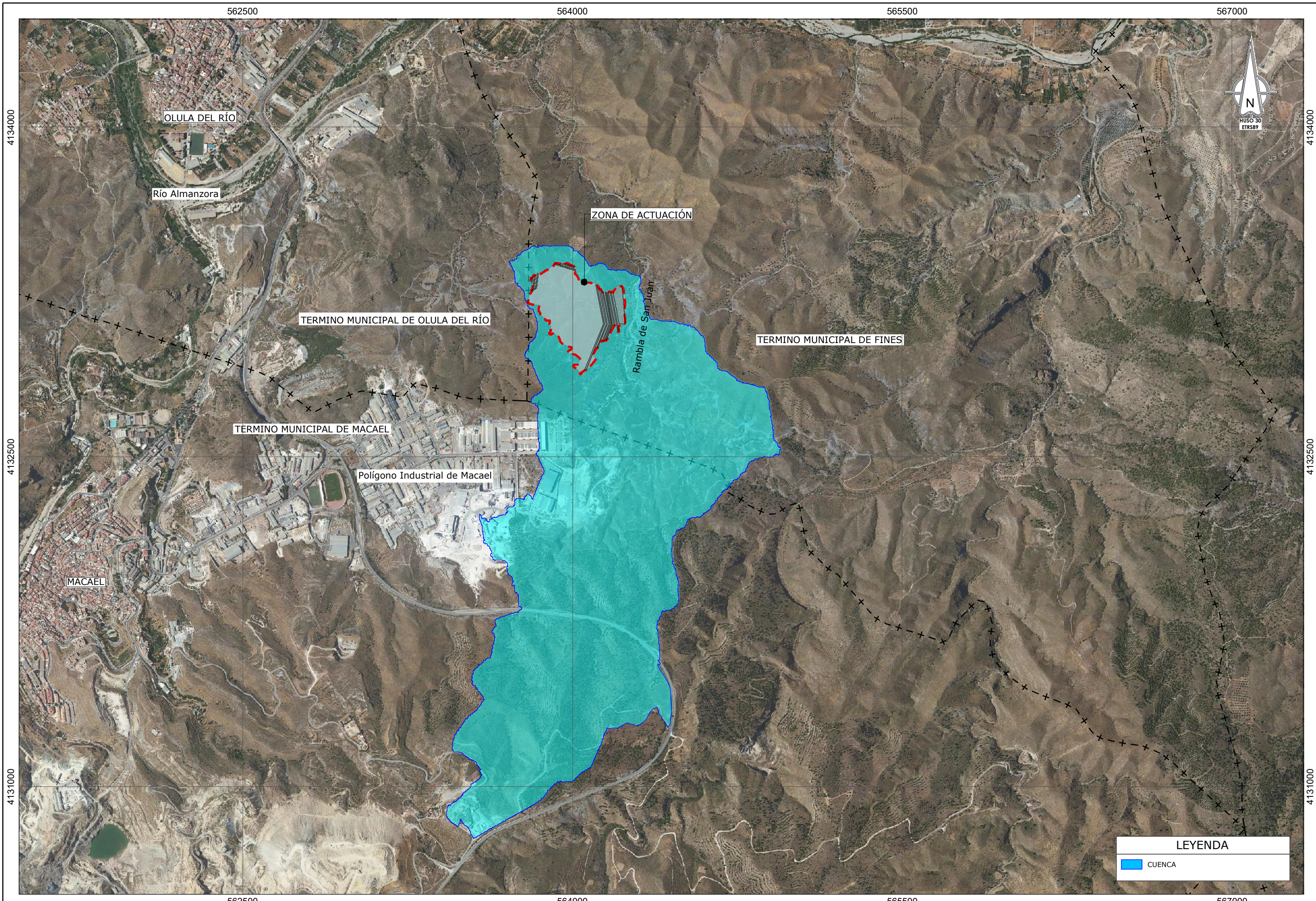
DOCUMENTO Nº2. PLANOS

1. Situación y Emplazamiento
2. Topográfico
3. Delimitación de Cuencas
4. Umbral de Escorrentía
5. Altura de Lámina Libre MCO
6. Altura de Lámina Libre T100
7. Delimitación de DPH y Zona de Servidumbre
8. Zona de Flujo Preferente
9. Perfiles Transversales T10, T100 y T500

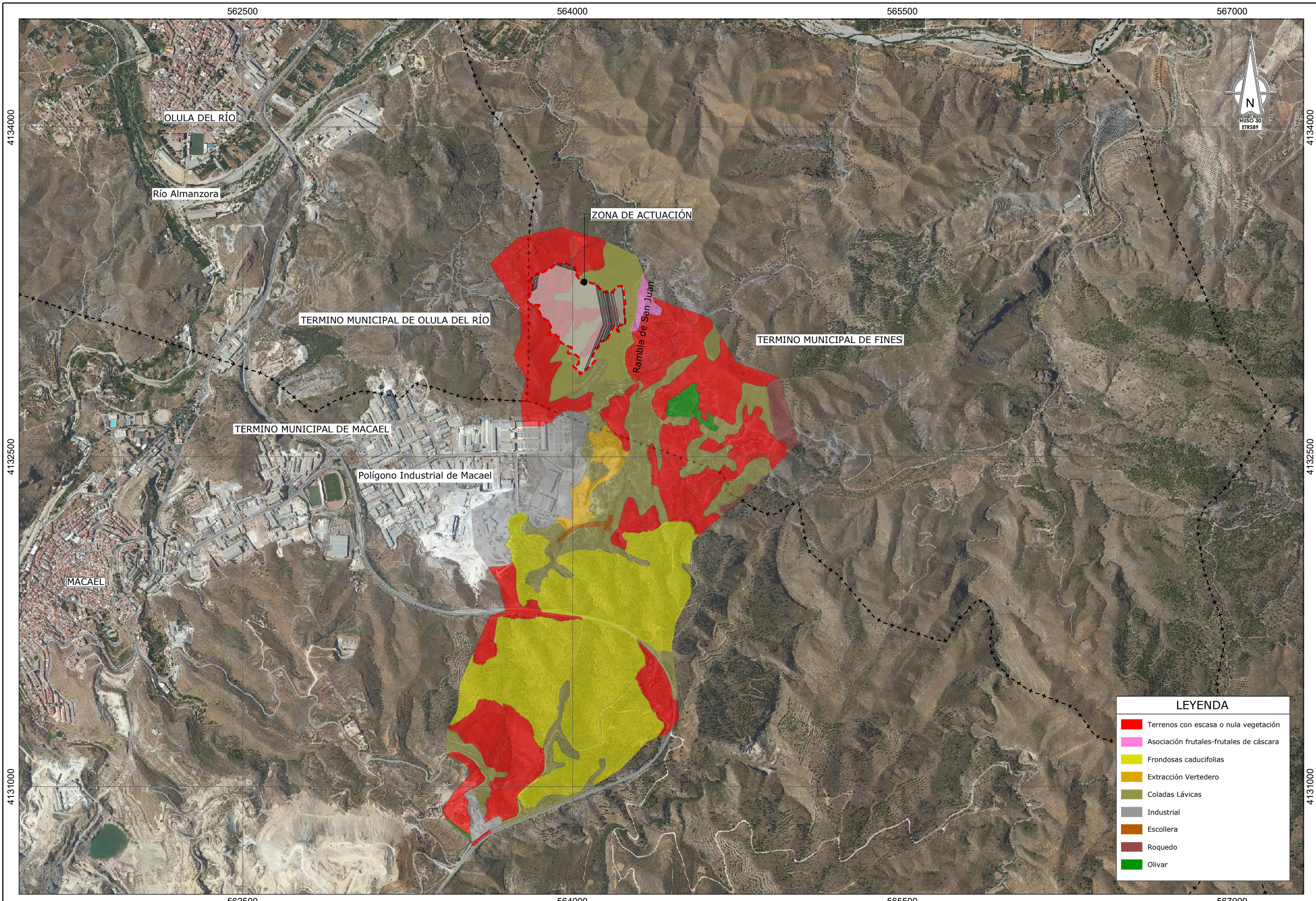


PROMOTOR: EFIENERGÍA, SL.	AUTOR DEL ESTUDIO: ARIA CONSULTORIA	FECHA	T.M.	TÍTULO:	ESCALA 1:2.000 FORMATO DIN / Original A3	TÍTULO DEL PLANO:	Nº PLANO
		ABRIL 2024 REFERENCIA	FINES PROVINCIA ALMERÍA	ESTUDIO DE INUNDABILIDAD Y DELIMITACIÓN DEL DPH PROYECTO TÉCNICO DE DEPÓSITO CONTROLADO DE RESIDUOS NO PELIGROSOS EN EL T.M. DE FINES (ALMERÍA)		SITUACIÓN Y EMPLAZAMIENTO	1
Documento visado por el Colegio de Ingenieros Técnicos de Obras Públicas con número de VISADO: 53240115VR/1 fecha 08-05-2024 Consulte la validez del documento con código QJWRkBGt en https://visados.ingenieros-civiles.es/csv						NOMBRE DEL FICHERO DIGITAL: 01-Situacion_Emplazamiento.dwg HOJA 1 de 1	





LEYENDA	
	CUENCA



LEYENDA	
■	Terrenos con escasa o nula vegetación
■	Asociación frutales-frutales de cáscara
■	Frondosas caducifolias
■	Extracción Vertedero
■	Coladas Lávicas
■	Industrial
■	Escollera
■	Roquedo
■	Olivar

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TERMINO MUNICIPAL DE OLULA DEL RÍO

TERMINO MUNICIPAL DE FINES

TERMINO MUNICIPAL DE MACAEL

HOJA 03

HOJA 02

HOJA 01

LEYENDA	
	PARCELAS DE ESTUDIO
	ALTURA DE LÁMINA LIBRE MCO

PROMOTOR: **EFIENERGIA, SL.**

AUTOR DEL ESTUDIO: **ARIA CONSULTORIA**

FECHA	T.M.
ABRIL 2024	FINES
REFERENCIA	PROVINCIA
	ALMERÍA

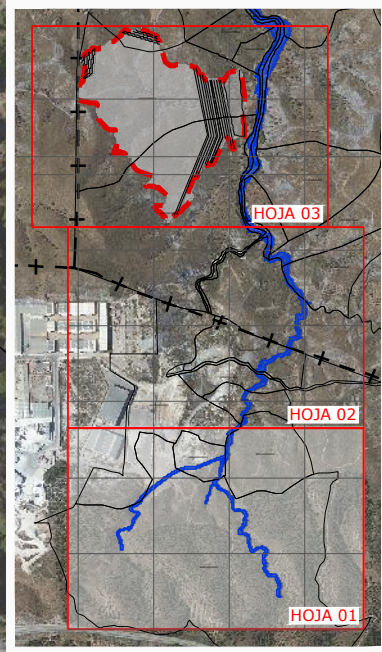
TÍTULO: ESTUDIO DE INUNDABILIDAD Y DELIMITACIÓN DEL DPH
 PROYECTO TÉCNICO DE DEPÓSITO CONTROLADO DE RESIDUOS
 NO PELIGROSOS EN EL T.M. DE FINES (ALMERÍA)

ESCALA: 1:10.000

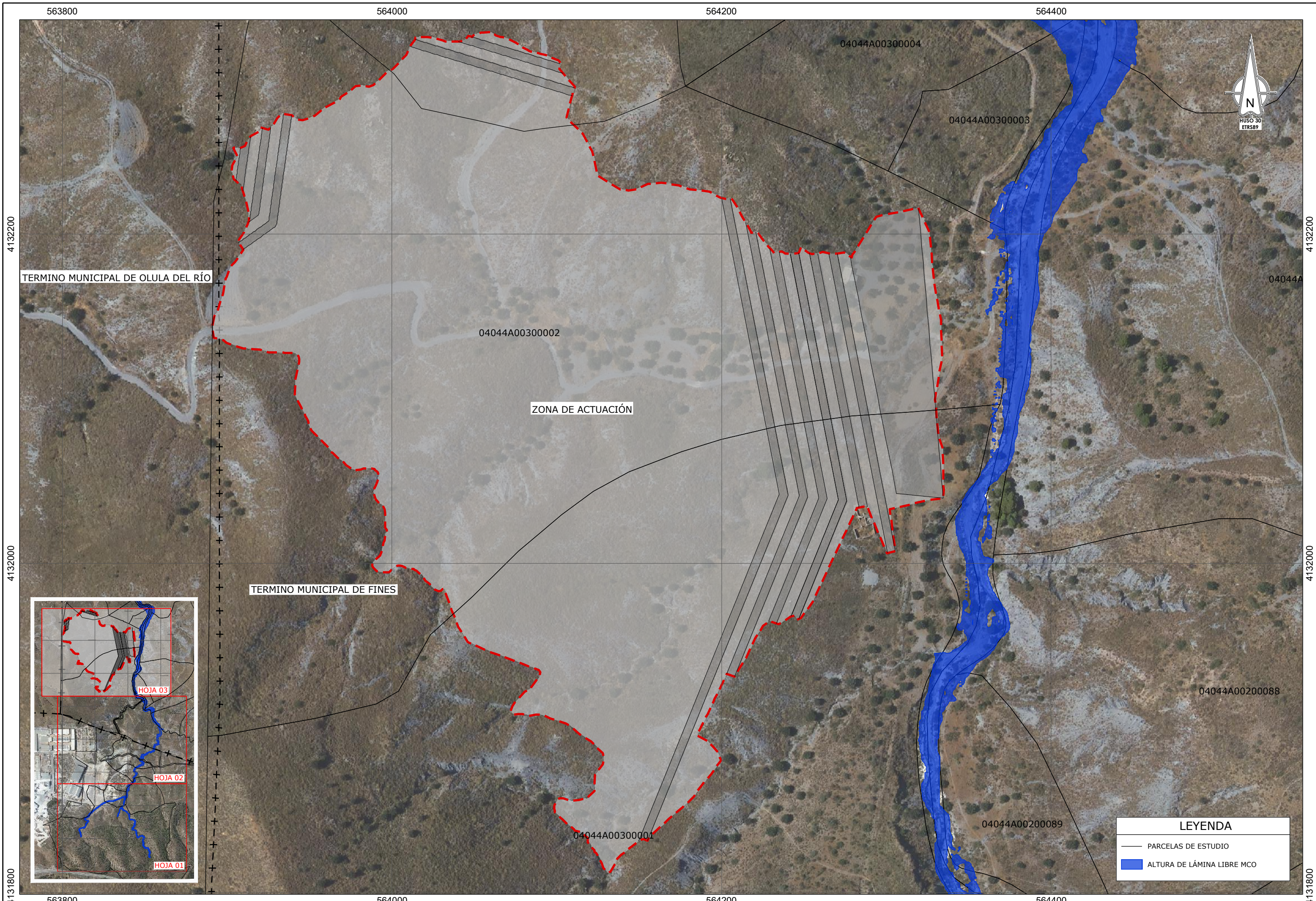
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 ALTURA DE LÁMINA LIBRE MCO. PLANO DE MINUTAS

Nº PLANO: 5.1
 HOJA: 1 de 1

Documento visado por el Colegio de Ingenieros Técnicos de Obras Públicas con número de VISADO: 53240115VR/1 fecha 08-05-2024
 Consulte la validez del documento con código QJWRkBGt en <https://visados.ingenieros-civiles.es/csv>







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	ALTURA DE LÁMINA LIBRE T100



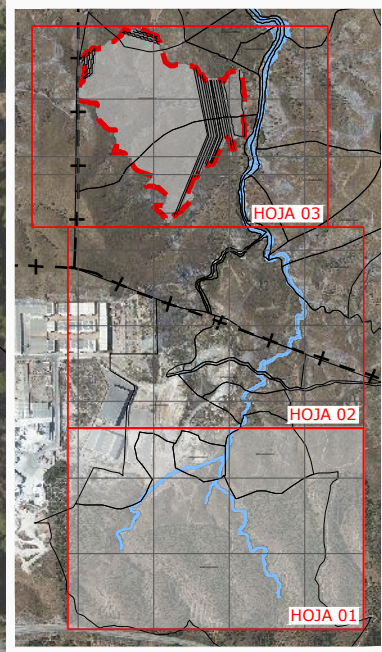
Polígono Industrial de Macael



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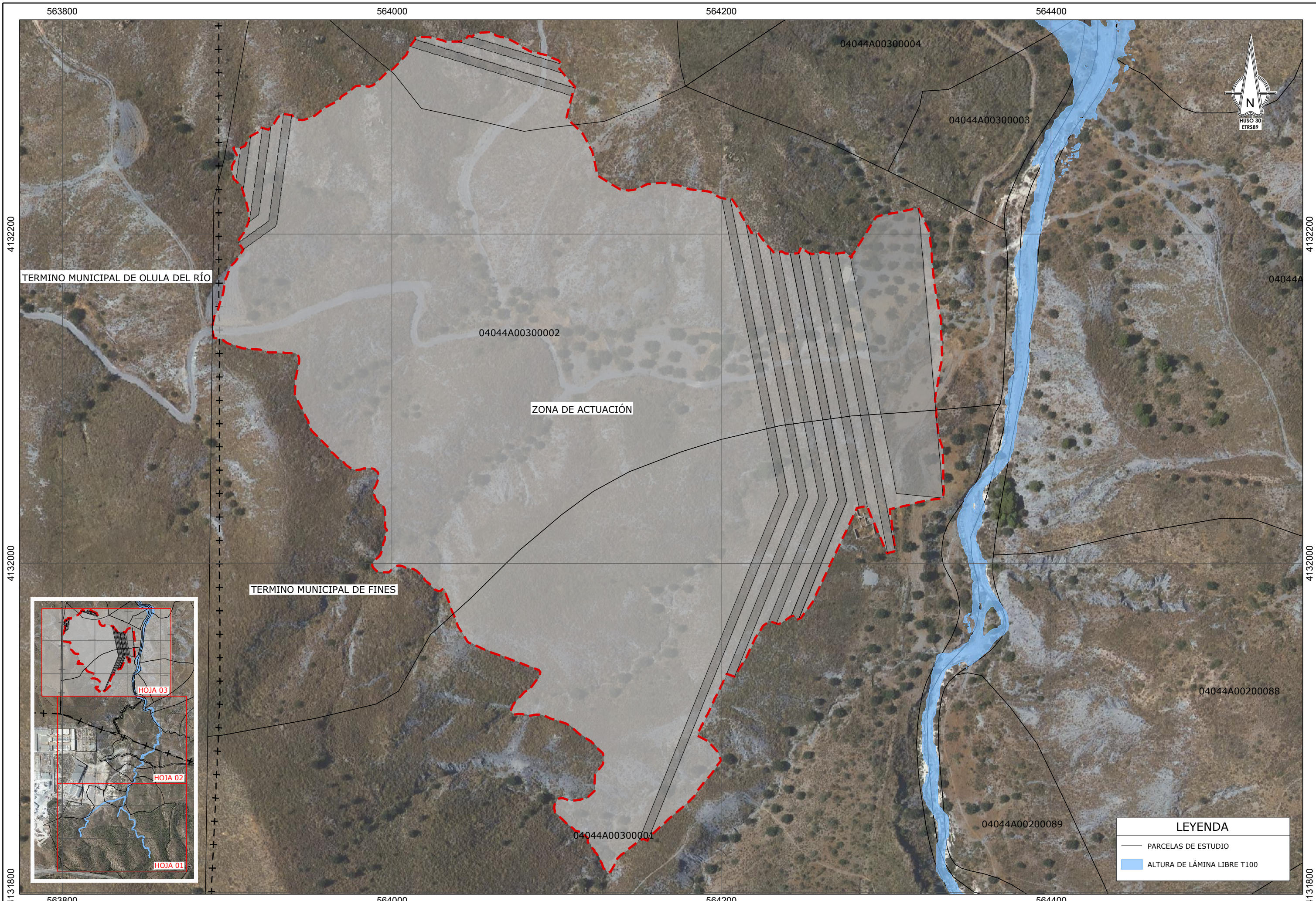
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LEYENDA	
	PARCELAS DE ESTUDIO
	ALTURA DE LÁMINA LIBRE T100





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TERMINO MUNICIPAL DE OLULA DEL RÍO

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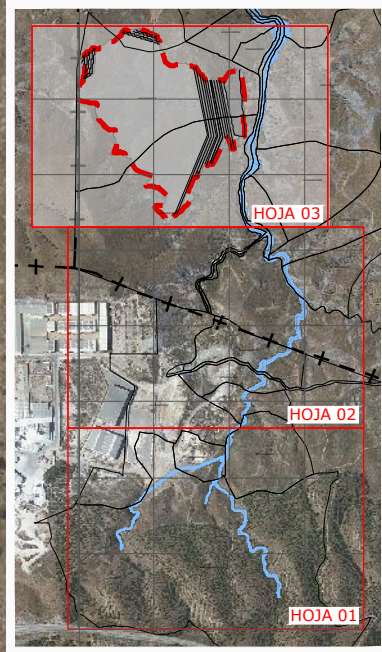
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LEYENDA	
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	ALTURA DE LÁMINA LIBRE T100

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
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LEYENDA

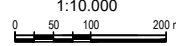
-  PARCELAS DE ESTUDIO
-  LIMITE DPH (Dominio Público Hidráulico)
-  ZONA DE SERVIDUMBRE

PROMOTOR:  **EFIENERGIA, SL.**

AUTOR DEL ESTUDIO:  **ARIA CONSULTORIA**

FECHA	T.M.
ABRIL 2024	FINES
REFERENCIA	PROVINCIA
53240115VR/1 fecha 08-05-2024	ALMERÍA

TÍTULO: ESTUDIO DE INUNDABILIDAD Y DELIMITACIÓN DEL DPH
 PROYECTO TÉCNICO DE DEPÓSITO CONTROLADO DE RESIDUOS
 NO PELIGROSOS EN EL T.M. DE FINES (ALMERÍA)

ESCALA: 1:10.000

 FORMATO DIN A3

TÍTULO DEL PLANO: **ESTUDIO HIDROLÓGICO**
 DELIMITACIÓN DPH Y ZONA DE SERVIDUMBRE.
 PLANO DE MINUTAS
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Nº PLANO: **7.1**
 HOJA: 1 de 1

Documento visado por el Colegio de Ingenieros Técnicos de Obras Públicas con número de VISADO: 53240115VR/1 fecha 08-05-2024
 Consulte la validez del documento con código QUWRkBGt en <https://visados.ingenieros-civiles.es/csv>

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LEYENDA	
	PARCELAS DE ESTUDIO
	ZONA DE FLUJO PREFERENTE

PROMOTOR: **EFIENERGIA, SL.**

AUTOR DEL ESTUDIO: **ARIA CONSULTORIA**

FECHA	T.M.
ABRIL 2024	FINES
REFERENCIA	PROVINCIA
	ALMERÍA

TÍTULO: ESTUDIO DE INUNDABILIDAD Y DELIMITACIÓN DEL DPH
 PROYECTO TÉCNICO DE DEPÓSITO CONTROLADO DE RESIDUOS
 NO PELIGROSOS EN EL T.M. DE FINES (ALMERÍA)

ESCALA: 1:10.000

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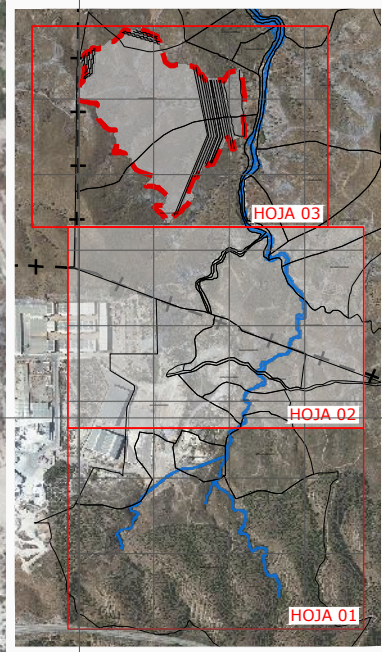
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 ZONA DE FLUJO PREFERENTE. PLANO DE MINUTAS
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Nº PLANO: 8.1
 HOJA: 1 de 1

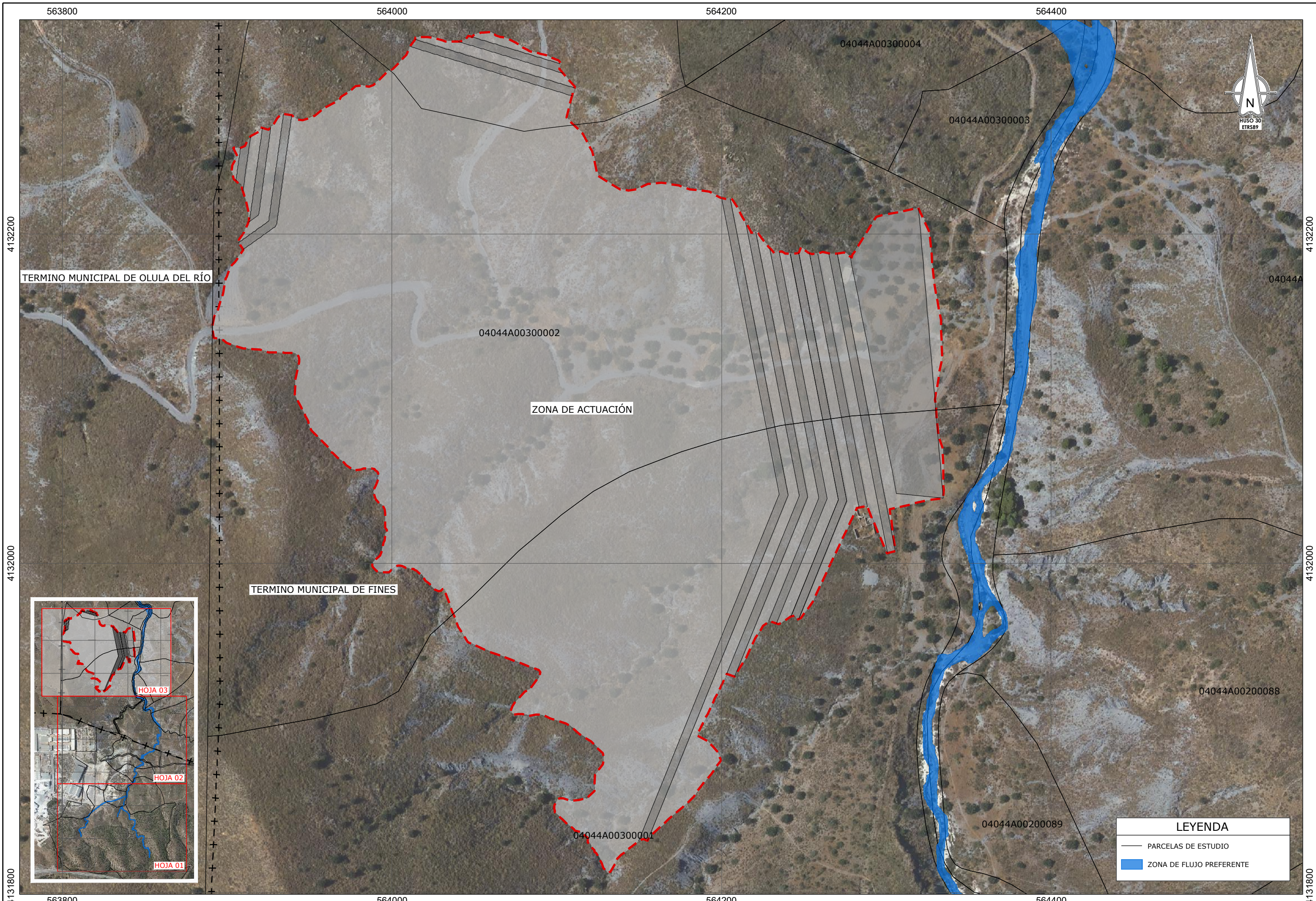
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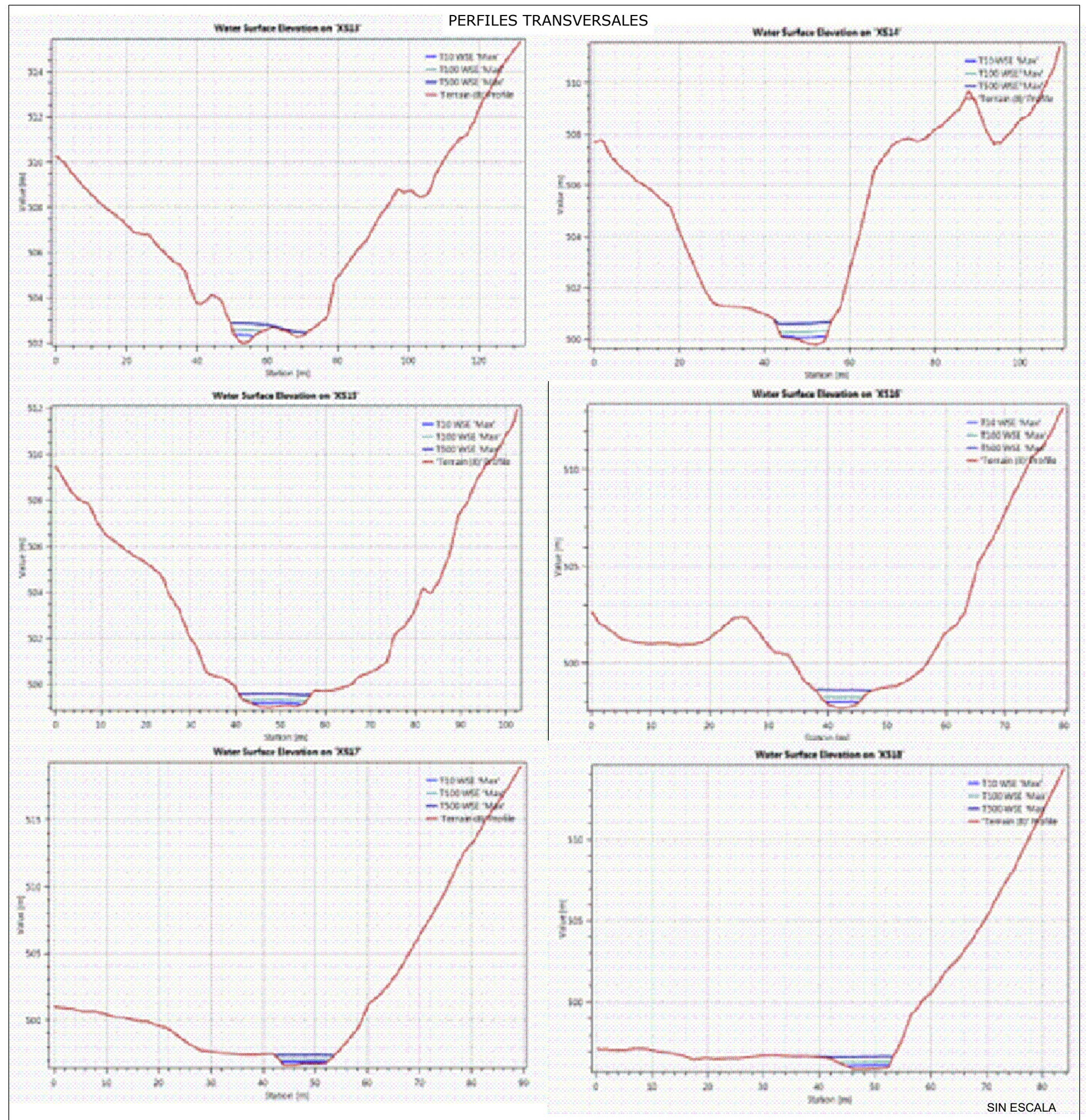
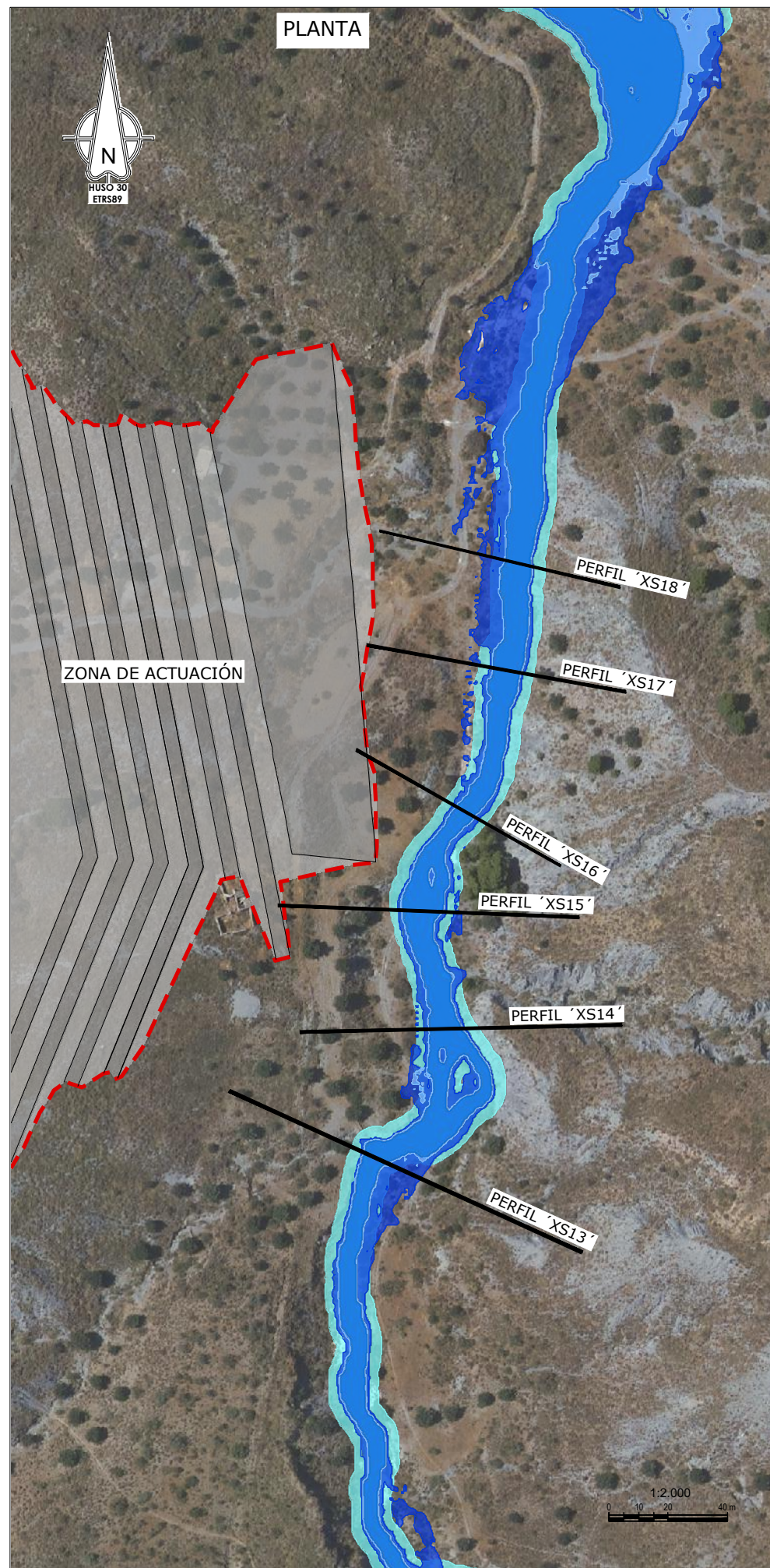


LEYENDA	
	PARCELAS DE ESTUDIO
	ZONA DE FLUJO PREFERENTE



LEYENDA	
	PARCELAS DE ESTUDIO
	ZONA DE FLUJO PREFERENTE





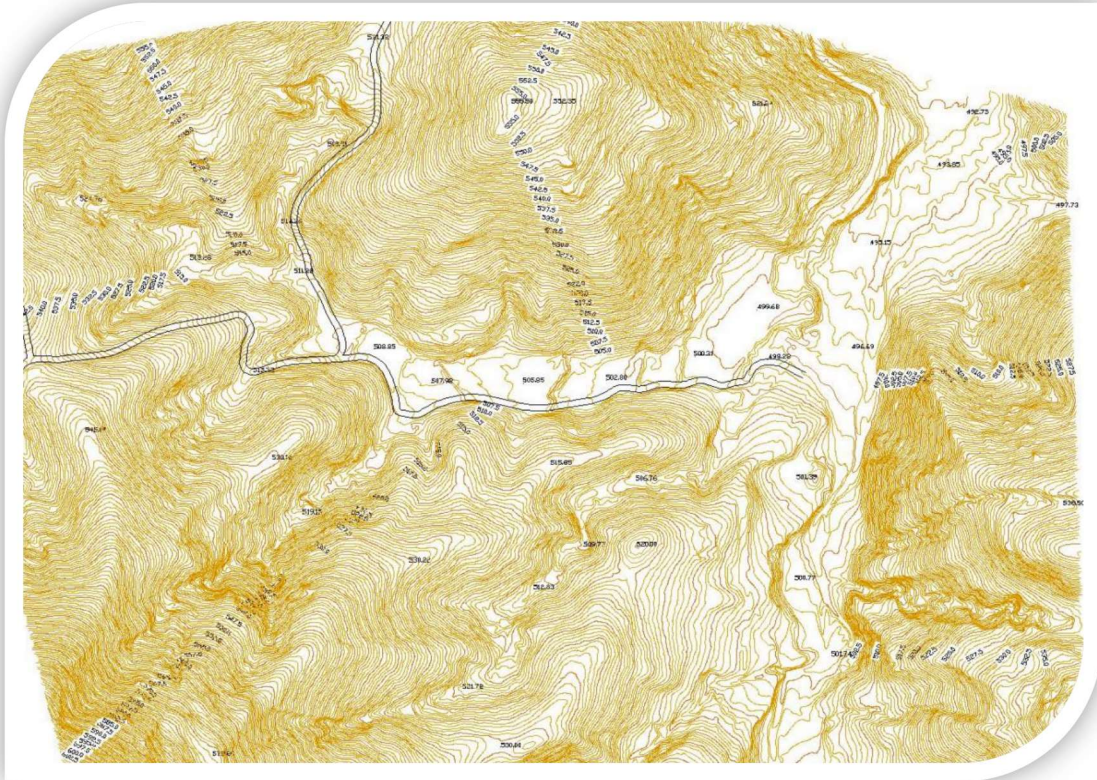
ANEXO 8. CARTOGRAFÍA, TOPOGRAFÍA Y REPLANTEO

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1. CARTOGRAFÍA Y TOPOGRAFÍA

Se adjunta a continuación el documento que incluye la restitución fotogramétrica para el Depósito Controlado de Residuos No Peligrosos en Fines, Almería.



RESTITUCIÓN FOTOGRAMÉTRICA (RPAS). ZONA VERTEDERO RESIDUOS FINES, ALMERÍA

MEMORIA DESCRIPTIVA

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INGENIERO TÉCNICO EN TOPOGRAFIA
COLEGIADO N°6121

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ARQUITECTO
COLEGIADO N° 0688

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2.2 ÁMBITO DE ESTUDIO

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3.1.1 CRITERIOS DE DELIMITACIÓN

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1. Consideraciones preliminares

1.1. Objeto del encargo

Con fecha de **9 de Septiembre de 2024** se solicita por parte de Aria Consultoría Ingeniería y Medio ambiente, la realización del levantamiento topográfico de terreno de superficie aproximada 47 ha en el término municipal de Macael, en la provincia de Almería, al objeto de obtener una cartografía de detalle y actualizada.

1.2. Propiedad y orden de encargo

El presente trabajo se realiza a petición de Aria Consultoría, Ingeniería y Medio ambiente.

2. Introducción

2.1 Sistema de marco de referencia

El trabajo está enmarcado dentro de la Red Permanente de Estaciones, RAP de Andalucía, que a su vez está calculada dentro de la Red Geodésica Nacional por Técnicas Especiales (REGENTE), con coordenadas U.T.M. (*Universal Transversa Mercator*), en el Sistema de referencia ETRS89, Huso 30 Norte.

El origen de coordenadas es la Red de Referencias Permanentes GPS y GNSS de Andalucía, consistente con el marco de las Redes de Estaciones de Referencia GPS y GNSS y densifica los resultados de la Red CNIG (IGN), al haberse establecido ésta como constreñimiento.

2.2 Ámbito de estudio

El trabajo abarca una superficie aproximada de 47 hectáreas en el límite de término municipal entre el municipio de Macael y de Fines.

La zona se sitúa al Este del polígono industrial de Macael y al Oeste del barranco contiguo a este. La zona ha servido como vertedero de residuos inertes procedentes de la industria del mármol y sus derivados.

3. Desarrollo de los trabajos

3.1 Levantamiento topográfico

3.1.1 Criterios de delimitación

La delimitación del levantamiento topográfico fue definida por el cliente.

3.1.2 Observación topográfica y vuelo RPAS

La observación de los puntos de apoyo, bases de replanteo y levantamiento topográfico se realizó recibiendo correcciones GNSS en directo o tiempo real vía protocolo NTRIP (*Networked Transport of RTCM via Internet Protocol*). Este sistema está diseñado para difundir en tiempo real los datos procedentes de receptores GNSS en Internet y que permite el posicionamiento en el mismo instante en que se realiza la medición proporcionando precisiones centimétricas.

La conexión se realizó en la modalidad de solución de red, basada en generar correcciones diferenciales a partir de las estaciones que forman el conjunto de la Red. Estas soluciones tienen como característica que el sistema usa como punto de partida la posición inicial del usuario, que previamente tiene que transmitirla al sistema (comunicación bidireccional).

Para la obtención general del levantamiento tomamos con topografía GPS cabezas y pie de taludes, la parte más altas de los montículos de tierra y sus alrededores. Como puntos fundamentales para obtener un levantamiento preciso, tomamos puntos de las cabezas y pies de talud para poder utilizarlos como línea de rotura y un mapeo exhaustivo de puntos de relleno en el terreno para posteriormente crear la superficie y las curvas de nivel.

Con la poca vegetación detectada en la parcela que pudiera influir en el levantamiento, se ha procedido a la hinca del bastón topográfico para detectar la altura correspondiente al terreno donde afloraba.

El levantamiento descrito, con sus respectivos puntos de apoyo, bases de replanteo y demás elementos, se realizó mediante receptor bifrecuencia *GPS LEICA 1200+*, con precisión de posicionamiento de 3 mm + 0,1 ppm en horizontal y 3,5 mm + 0,4 ppm en vertical, con certificado de verificación (se adjunta en Anejo IV), y Software de Leica Geo Office y Estación total con sistema robótico Topcon GPT-9005A y GTS 900A.

Además como apoyo se realizó un levantamiento topográfico mediante fotogrametría con RPAS modelo *DJI PHANTOM 4 PRO* con sensor de 1" y focal de 8 mm.

Para la realización del vuelo fotogramétrico se situaron previamente puntos de control señalados en el terreno de forma que se vean en los fotogramas, para el encaje de las pasadas del vuelo y los fotogramas obtenidos. Mediante el software Aisoft se procesan los datos obtenidos del vuelo (fotogramas e información alfanumérica) georreferenciándolos exactamente con los puntos de apoyo señalados en el terreno.

De forma general los elementos necesarios para formar el levantamiento fueron:

- Terreno natural.
 - Puntos de apoyo.
 - Puntos base.
 - Identificación de accesos si los hubiera.
 - Vallados existentes.
 - Caminos y/o rodaduras de paso existentes.
 - Edificios Y/o construcciones de cualquier índole.
 - Vaguadas.
 - Charcas, lagos o acumulaciones de agua
 - Líneas eléctricas (aéreas y/o enterradas) indicando su altura y aportando fotografías.
 - Puntos de interés debido a su altura.
-

Leica GPS1200+

Especificaciones técnicas y características del sistema



Receptores GPS1200+	GX1230+ GNSS/ ATX1230+ GNSS	GX1220+ GNSS	GX1230+	GX1220+	GX1210+
GNSS technology	SmartTrack+	SmartTrack+	SmartTrack	SmartTrack	SmartTrack
Type	Triple frecuencia	Triple frecuencia	Doble frecuencia	Doble frecuencia	Monofrecuencia
Channels	120 canales L1/L2/L5 GPS L1/L2 GLONASS E1/E5a/ E5b/ Alt-BOC Galileo Compass ¹ 4 SBAS	120 canales L1/L2/L5 GPS L1/L2 GLONASS E1/E5a/ E5b/ Alt-BOC Galileo Compass ¹ 4 SBAS (con opción DGPS)	16 L1 + 16 L2 GPS 4 SBAS	16 L1 + 16 L2 GPS 4 SBAS (con opción DGPS)	16 L1 GPS 4 SBAS (con opción DGPS)
Ampliado a GX1230+ GNSS	-	Sí	Sí	Sí	Sí
RTK	SmartCheck+	No	SmartCheck	No	No
Indicadores de estado	3 indicadores LED (GX1200+): para alimentación, seguimiento, memoria				
Receptores GPS1200+	GX1230+ (GNSS)/ GX1220+ (GNSS)	GX1210+	ATX1230+ GNSS		
Puertos	1 puerto de alimentación, 3 puertos seriales, 1 puerto de controlador, 1 puerto de antena	1 puerto de alimentación/controlador, Puerto de tecnología inalámbrica Bluetooth®			
Tensión de alimentación	Nominal 12 VCC		Nominal 12 VCC		
Consumo	receptor 4,6 W + controlador + antena		1,8 W		
Entradas y PPS	Opcional: 1 puerto de salida PPS 2 puertos de entrada	Opcional: 1 puerto de salida PPS 2 puertos de entrada			
Antena estándar	SmartTrack+ AX1203+ GNSS	SmartTrack AX1201	SmartTrack+ ATX1230+ GNSS		
Plano de tierra integrado	Plano de tierra integrado	Plano de tierra integrado	Plano de tierra integrado		

Lo siguiente es aplicable a todos los receptores excepto en lo señalado.

Fuente de alimentación	Dos baterías ión-litio 4,4 Ah/7,4 V en interior del receptor. Una ión-litio 2,2 Ah/7,4 V insertada en ATX1230+ GNSS y RX1250.
Baterías ion-Li insertables	Alimentan receptor + controlador + antena SmartTrack durante 17 horas (para registro de datos). Alimentan receptor + controlador + antena SmartTrack + radiomódem de baja potencia o teléfono durante 11 horas (para RTK/DGPS). Alimenta SmartAntenna + controlador RX1250 durante unas 6 horas (para RTK/DGPS)
Alimentación externa	Entrada de alimentación externa 10,5 V a 28 V.
Pesos	Receptor 1,20 kg. Controlador 0,48 kg (RX1210) y 0,75 kg (RX1250). Antena SmartTrack 0,44 kg. SmartAntenna 1,12 kg. Batería ion-Li insertable 0,11 kg (2,2 Ah) y 0,2 kg (4,4 Ah). Bastón de fibra de carbono con antena SmartTrack y controlador RX1210: 1,80 kg. Todo en bastón: bastón de fibra de carbono con SmartAntenna, controlador RX1250 y baterías insertables: 2,74 kg.

Temperatura	Funcionamiento: Receptor -40 °C hasta +65 °C ISO9022 -40 °C hasta +70 °C MIL-STD-810F Controladores -30 °C hasta +65 °C Controlador RX1250c -30 °C hasta +50 °C Almacenamiento: Receptor -40 °C hasta +80 °C Antenas -55 °C hasta +85 °C Controladores -40 °C hasta +80 °C Controlador RX1250c -40 °C hasta +80 °C
Humedad	Receptor, antenas y controladores ISO9022, MIL-STD-810F hasta 100 % humedad.
Protección contra agua, polvo y arena	Receptor, antenas y controladores: Resistente al agua a inmersión temporal de 1 m. IP67, MIL-STD-810F Hermético al polvo
Choque/Caída contra superficie dura	Receptor: resiste la caída de 1 m contra una superficie dura. Antenas: resiste la caída de 1 m sobre una superficie dura.
Dejar caer bastón	Receptor, antenas y controladores: resisten la caída si se viene abajo el bastón.
Vibraciones	Receptor, antenas y controladores: ISO9022 Aguantan vibraciones sobre grandes máquinas de construcción. Sin pérdidas de señal. MIL-STD-810F

¹La señal Compass no está terminada aún, sin embargo, los receptores GPS1200+ han captado las señales test en un entorno de prueba. Dado que pueden producirse cambios en la estructura de la señal, Leica Geosystems no puede garantizar la total compatibilidad con Compass.

Figura 3. Ficha técnica receptor GPS de triple frecuencia 1200+

SmartTrack+ Tecnología GNSS avanzada de medición	El tiempo necesario para adquirir todos los satélites después del encendido: normalmente unos 50 seg. Readquisición de satélites tras pérdida de señal (p. ej. al atravesar un túnel): normalmente con 1 seg. Muy elevada sensibilidad: adquiere más del 99 % de las observaciones posibles sobre una elevación de 10 grados. Nivel de ruido muy bajo. Seguimiento resistente. Sigue señales débiles con muy poca elevación y en condiciones adversas. Mitigación del multipath. Resistente las interferencias. Precisión de medición: Fase portadora en L1: 0.2 mm emc. En L2: 0,2 mm emc. Código (pseudodistancia) en L1 y L2: 20 mm emc.	Controladores RX1210/RX1250	Pantalla 1/4 VGA de alto contraste con opción de color (RX1250) Pantalla táctil, 11 líneas x 32 caracteres. Windows CE 5.0 en RX1250. Teclado QWERTY totalmente alfanumérico. Teclas de función y teclas definibles por el usuario. Iluminación para pantalla y teclas. También puede utilizarse con TPS1200+ para entrada alfanumérica y codificación extensa.
SmartCheck+ Tecnología RTK avanzada de largo alcance	Inicialización normalmente 8 segundos. Intervalo de actualización de posición seleccionable hasta 20 Hz. Latencia < 0,03 s. Alcance 40 km o más en condiciones favorables. Auto comprobación.	Funcionamiento con controlador Lo mismo para GNSS y TPS	Mediante teclado y/o a través de pantalla táctil. Concepto de funcionamiento gráfico. Teclas de función y teclas definibles por el usuario. Se muestra toda la información.
Precisiones	Cinématico Horizontal: 10 mm + 1 ppm Vertical: 20 mm + 1 ppm Estático (ISO 17123-8) Horizontal: 5 mm + 0,5 ppm Vertical: 10 mm + 0,5 ppm Fiabilidad: 99,99 % para líneas base de hasta 40 km. Formatos compatibles para la transmisión y la recepción: Leica propietario (Leica, Leica 4G), CMR, CMR+, RTCM V2, 1/2, 2/2, 3/3, 0/3, 1.	Información mostrada Pantalla gráfica de levantamiento Lo mismo para GNSS y TPS	Toda la información mostrada: estado, seguimiento, registro de datos, base de datos, RTK, DGPS, navegación, levantamiento, replanteo, calidad, cronómetro, alimentación, coordenadas geográficas, cartesianas, cuadrícula, etc. Pantalla gráfica (plano) de levantamiento. Acercamientos. Puede accederse a puntos levantados directamente por la pantalla táctil.
Redes de estaciones de referencia	Móvil RTK totalmente compatible con redes de estaciones de referencia de formatos de Leica Spider i-MAX & MAX, VRS y Corrección de área (FKP).	Pantalla replanteo Lo mismo para GNSS y TPS	Gráfico con zoom. Digital, polar y ortométrico. Precisión: 10 mm + 1 ppm a 20 Hz (0,05 seg.) actualización. Sin degradación por intervalos altos de actualización.
DGPS GX1230+ (GNSS), ATX1230+ GNSS, GX1220+ (GNSS) – estándar GX1210+ – opcional	DGPS, incluye soporte de MSAS, WAAS, EGNOS y GAGAN. Los formatos RTCM V2.1/2.2/2.3/3.0/3.1. soportados para transmisión y recepción. Emc línea base: normalmente 25 cm emc con la estación de referencia adecuada.	Funcionamiento sin controlador Sólo GX1200+	Encendido automático. Indicador de estado LED. Para estaciones de referencia y mediciones estáticas.
Intervalo actualización posición y latencia	Aplicable a RTK, DGPS y posiciones de navegación. Intervalo de actualización seleccionable desde 0,05 seg (20 Hz) hasta 1 seg. Latencia menor de 0,03 seg.	Registro de datos Las mismas tarjetas se usan para GNSS y TPS	En tarjetas CompactFlash: 256 MB y 1 GB Memoria interna del receptor (opcional): 256 MB.
Salida NMEA	NMEA 0183 V3.00 y Leica propietario.	Capacidad	64 MB suficiente para (30 % menos para GPS/GLONASS): Aprox. 500 horas de registro de datos L1 + L2 a intervalos de 15 seg. Aprox. 2 000 horas de registro de datos L1 + L2 a intervalos de 60 seg. Aprox. 90 000 puntos RTK con códigos.
Post-proceso con el software Leica Geo Office	Horizontal: 10 mm + 1 ppm, cinemático Vertical: 20 mm + 1 ppm, cinemático	Gestión de datos Lo mismo para GNSS y TPS	Gestión de trabajo definible por el usuario. Identificadores de punto, coordenadas, códigos, atributos, etc. Rutinas de búsqueda, filtrado y visualización. Promedio multipuntos. Cinco tipos de sistemas de codificación que cubren todos los requisitos.
Todos los receptores GPS1200+	Horizontal: 5 mm + 0,5 ppm, estático Vertical: 10 mm + 0,5 ppm, estático Para líneas largas con observaciones largas Horizontal: 3 mm + 0,5 ppm, estático Vertical: 6 mm + 0,5 ppm, estático	Sistemas de coordenadas Lo mismo para GNSS y TPS	Elipsoides, proyecciones, modelos geoidales, coordenadas, transformaciones, parámetros de transformación, sistemas de coordenadas específicos del país. Soporta RTCM 3.1 transferencia sistemas de coordenadas
Notas sobre funcionamiento y precisiones	Las figuras ofrecidas son para condiciones de normales a favorables. El funcionamiento y las precisiones pueden variar dependiendo del número de satélites, geometría de satélites, hora de observación, efemérides, ionosfera, multipath etc.	Programas de aplicación Lo mismo para GNSS que TPS	Estándar: todas las funciones de COGO. Punto oculto. Opcional: Avance, Línea de referencia, Replanteo MDT, Plano de referencia, División de área y Levantamiento de sección X, Exportación DXF, Exportación LandXML y Cálculos de volumen
		Programable Lo mismo para GNSS y TPS	Programable por el usuario en GeoC++. Los usuarios pueden escribir y cargar programas para sus propios requisitos y aplicaciones especiales.
		Comunicación Enlaces de datos	Se puede conectar uno o dos de los siguientes dispositivos: radiomódem, GSM, GPRS, CDMA. Se puede recibir o transmitir en diferentes frecuencias y/o formatos. Soporta Time slicing.

Figura 4. Ficha técnica receptor GPS de triple frecuencia 1200+

Aircraft	
Weight (Battery & Propellers Included)	1375 g
Diagonal Size (Propellers Excluded)	350 mm
Max Ascent Speed	S-mode: 6 m/s P-mode: 5 m/s
Max Descent Speed	S-mode: 4 m/s P-mode: 3 m/s
Max Speed	S-mode: 45 mph (72 kph) A-mode: 36 mph (58 kph) P-mode: 31 mph (50 kph)
Max Tilt Angle	S-mode: 42° A-mode: 35° P-mode: 25°
Max Angular Speed	S-mode: 250°/s A-mode: 150°/s
Max Service Ceiling Above Sea Level	19685 feet (6000 m)
Max Wind Speed Resistance	10 m/s
Max Flight Time	Approx. 30 minutes
Operating Temperature Range	32° to 104°F (0° to 40°C)
Satellite Positioning Systems	GPS/GLONASS
Hover Accuracy Range	Vertical: ±0.1 m (with Vision Positioning) ±0.5 m (with GPS Positioning) Horizontal: ±0.3 m (with Vision Positioning) ±1.5 m (with GPS Positioning)

Vision System	
Vision System	Forward Vision System Backward Vision System Downward Vision System
Velocity Range	>31 mph (50 kph) at 6.6 ft (2 m) above ground
Altitude Range	0 - 33 feet (0 - 10 m)
Operating Range	0 - 33 feet (0 - 10 m)
Obstacle Sensory Range	2 - 98 feet (0.7 - 30 m)
FOV	Forward: 60°(Horizontal), ±27°(Vertical) Backward: 60°(Horizontal), ±27°(Vertical) Downward: 70°(Front and Rear), 50°(Left and Right)
Measuring Frequency	Forward: 10 Hz Backward: 10 Hz Downward: 20 Hz
Operating Environment	Surface with clear pattern and adequate lighting (lux>15)

Camera	
Sensor	1" CMOS Effective pixels: 20M
Lens	FOV 84° 8.8 mm/24 mm (35 mm format equivalent) f/2.8 - f/11 auto focus at 1 m - ∞
ISO Range	Video: 100 - 3200 (Auto) 100 - 6400 (Manual) Photo: 100 - 3200 (Auto) 100 - 12800 (Manual)
Mechanical Shutter Speed	8 - 1/2000 s
Electronic Shutter Speed	8 - 1/8000 s
Image Size	3:2 Aspect Ratio: 5472 × 3648 4:3 Aspect Ratio: 4864 × 3648

Gimbal	
Stabilization	3-axis (pitch, roll, yaw)
Controllable Range	Pitch: -90° to +30°
Max Controllable Angular Speed	Pitch: 90°/s
Angular Vibration Range	±0.02°

Infrared Sensing System	
Obstacle Sensory Range	0.6 - 23 feet (0.2 - 7 m)
FOV	70° (Horizontal), ±10° (Vertical)
Measuring Frequency	10 Hz
Operating Environment	Surface with diffuse reflection material, and reflectivity > 8% (such as wall, trees, humans, etc.)

Remote Controller	
Operating Frequency	2.400 - 2.483 GHz and 5.725 - 5.850 GHz
Max Transmission Distance	2.400 - 2.483 GHz (Unobstructed, free of interference) FCC: 4.3 mi (7 km) CE: 2.5 mi (4 km) SRRC: 2.5 mi (4 km) 5.725 - 5.850 GHz (Unobstructed, free of interference) FCC: 4.3 mi (7 km) CE: 1.2 mi (2 km) SRRC: 3.1 mi (5 km)
Operating Temperature Range	32° to 104°F (0° to 40°C)
Battery	6000 mAh LiPo 2S
Transmitter Power (EIRP)	2.400 - 2.483 GHz FCC: 26 dBm CE: 20 dBm SRRC: 20 dBm MIC: 17 dBm 5.725 - 5.850 GHz FCC: 26 dBm CE: 14 dBm SRRC: 20 dBm MIC: -
Operating Current/Voltage	1.2 A@7.4 V
Video Output Port	GL300K: HDMI GL300L: USB
Mobile Device Holder	GL300K: Built-in display device (5.5 inch screen, 1920×1080, 1000 cd/m ² , Android system, 4 GB RAM + 16 GB ROM) GL300L: Tablets and smart phones

Intelligent Flight Battery	
Capacity	5870 mAh
Voltage	15.2V
Battery Type	LiPo 4S
Energy	89.2 Wh
Net Weight	468 g
Charging Temperature Range	41° to 104°F (5° to 40°C)
Max Charging Power	160 W

Figura 5. Características de *RPAS Phantom 4 Pro*.

3.1.3 Bases de replanteo y puntos de apoyo.

Se han utilizado un total de 500 puntos para la realización del levantamiento y 7 han sido las bases de replanteo del trabajo implantadas de acuerdo a los siguientes criterios:

- Señalización que garantice su conservación, permanencia y estabilidad geométrica mediante geopoints.
- Intervisibilidad entre bases, para permitir los trabajos de comprobación y replanteo mediante estación total.

La red está formada por 6 bases, materializadas de manera estable en el terreno mediante señales pintadas sobre elementos inamovibles, sobre los que se han realizado observaciones topográficas precisas con instrumentación GNSS en modo de posicionamientos estable, permitiendo determinar sus coordenadas planimétricas y altitudes ortométricas en el sistema de referencia del proyecto, ETRS89.

- La observación de la red se realizó en base a los siguientes criterios:
 - Máscara de elevación superior a 15 grados sobre el horizonte.
 - Señal facilitada por 10 satélites como mínimo.
 - Épocas fijadas en el equipo cada 1 segundo. GDOP siempre por debajo de 6.
 - Tiempo de medición de 180 minutos.
- Las coordenadas de las bases de replanteo son:

Nombre	Coord.X	Coord.Y	Coord.Z	Escala
BR1	563971.369	4132486.705	581.174	1
BR2	563941.529	4132682.143	581.414	1
BR3	563824.942	4132920.339	611.558	1
BR4	563699.104	4133147.023	539.983	1
BR5	563748.999	4133411.391	567.541	1
BR6	564063.348	4133342.621	553.046	1
BR7	564393.224	4133089.987	543.45	1
BR8	564209.535	4132673.329	554.247	1



3.3 Edición y dibujo

Con la relación de puntos singulares sobre el terreno ya detallados obtendremos una malla de puntos cuya posición exacta sera empleada en la creación de la planimetría y malla 3d y sus correspondientes curvas de nivel.

Seguidamente se realizó el tratamiento fotogramétrico para obtención de EDM y ortofotografía actualizada .

Posteriormente se realizó la fase de edición cartográfica, en la que todos los elementos del levantamiento se adaptaron a las tablas de codificación, recibiendo coherencia topológica y plasmados cartográficamente.

Los cálculos y la elaboración de la cartografía se realizaron con las siguientes herramientas informáticas:

- Levantamiento puntos GPS para obtención de modelo tridimensional: receptor GPS de triple frecuencia 1200+
- Procesado de los datos primarios de campo obtenidos mediante receptor GNSS: TCP-MDT V 4.0 (Aplitop) funcionando bajo Autodesk AutoCAD 2007.

- Formación y edición del modelo digital de terreno: TCP-MDT V 4.0 (Aplitop) funcionando bajo Autodesk AutoCAD 2007.

- Formación y edición de la cartografía de trabajo: Autodesk AutoCAD 2007.

Como resultado del levantamiento se ha generado una cartografía a escala adecuada en el sistema ETRS 89 (Sistema Geodésico de Referencia Oficial en España), en la proyección cartográfica U.T.M (*Universal Transversa Mercator*), en el Huso 30, con cotas ortométricas.

Esta cartografía se adjunta a la presente *Memoria Descriptiva* mediante fichero en formato digital del entorno gráfico estándar CAD, con la generación del MDT (Modelo Digital del Terreno) en base a una malla de triángulos que modeliza numéricamente la superficie observada, en la que el relieve está representado mediante curvas de nivel con 0,20 m de equidistancia, con curvas maestras cada 1 m.

4. INFORME DE RESTITUCIÓN FOTOGRAMÉTRICA

VUELO FINES

Informe de procesamiento

09 October 2024



Datos del levantamiento

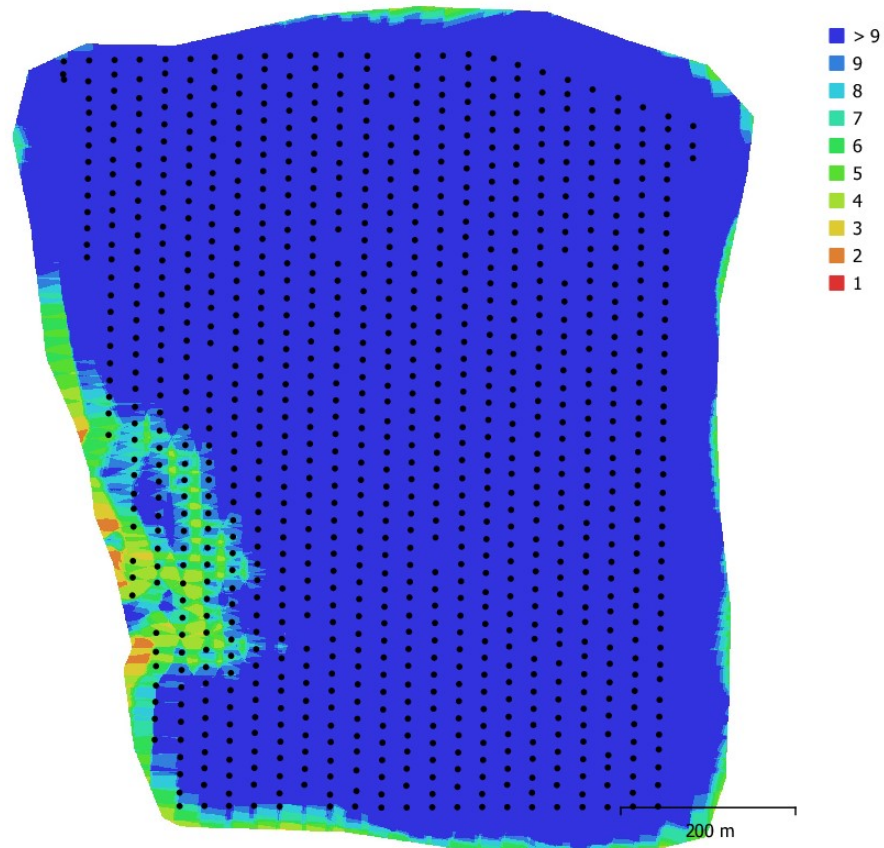


Fig. 1. Posiciones de cámaras y solapamiento de imágenes.

Número de imágenes:	991	Imágenes alineadas:	987
Altitud media de vuelo:	131 m	Puntos de paso:	274,052
Resolución en terreno:	3.36 cm/pix	Proyecciones:	2,969,302
Área cubierta:	0.688 km ²	Error de reproyección:	1.05 pix

Modelo de cámara	Resolución	Distancia focal	Tamaño de píxel	Precalibrada
FC6310 (8.8mm)	5472 x 3648	8.8 mm	2.41 x 2.41 micras	No

Tabla 1. Cámaras.

Calibración de cámara

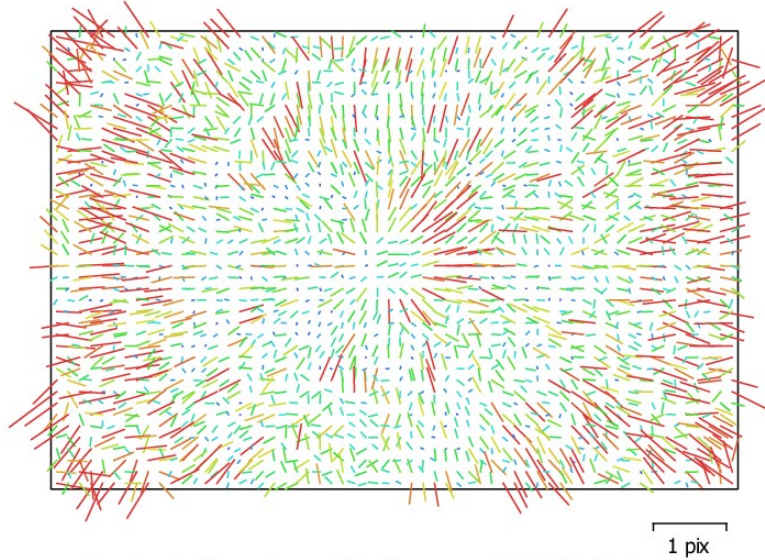


Fig. 2. Gráfico de residuales para FC6310 (8.8mm).

FC6310 (8.8mm)

991 imágenes

Tipo
Cuadro

Resolución
5472 x 3648

Distancia focal
8.8 mm

Tamaño de píxel
2.41 x 2.41 micras

	Valor	Error	F	Cx	Cy	B1	B2	K1	K2	K3	K4	P1	P2
F	3641.15	0.22	1.00	-0.07	0.34	0.16	-0.40	0.01	-0.02	0.06	-0.08	0.14	0.11
Cx	34.414	0.016		1.00	-0.03	-0.03	-0.04	-0.01	0.01	-0.01	0.02	0.74	-0.01
Cy	27.8845	0.013			1.00	0.14	-0.18	0.02	-0.02	0.03	-0.04	0.04	0.60
B1	-1.02166	0.0077				1.00	-0.09	0.03	-0.04	0.04	-0.04	0.06	0.03
B2	1.66624	0.0082					1.00	-0.02	0.02	-0.04	0.04	-0.07	-0.03
K1	0.0148794	4.3e-05						1.00	-0.98	0.93	-0.88	0.01	0.00
K2	-0.0522799	0.00021							1.00	-0.99	0.96	-0.01	-0.00
K3	0.0970415	0.00039								1.00	-0.99	0.01	0.01
K4	-0.0585801	0.00025									1.00	-0.01	-0.01
P1	0.00280732	1.3e-06										1.00	0.00
P2	0.00118351	9.4e-07											1.00

Tabla 2. Coeficientes de calibración y matriz de correlación.

Posiciones de cámaras

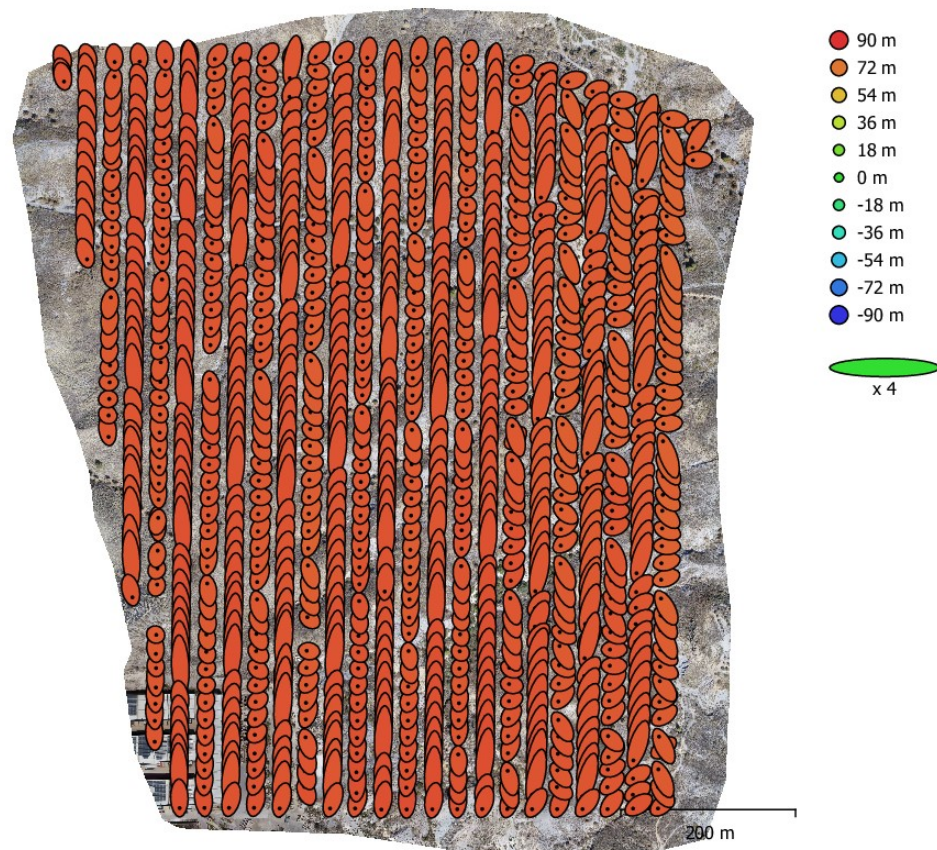


Fig. 3. Posiciones de cámaras y estimadores de error.

El color indica el error en Z mientras el tamaño y forma de la elipse representan el error en XY.

Posiciones estimadas de las cámaras se indican con los puntos negros.

Error en X (m)	Error en Y (m)	Error en Z (m)	Error en XY (m)	Error combinado (m)
1.59722	5.76695	80.3351	5.98404	80.5576

Tabla 3. Errores medios de las posiciones de cámaras.

X - Este, Y - Norte, Z - Altitud.

Puntos de control terrestre

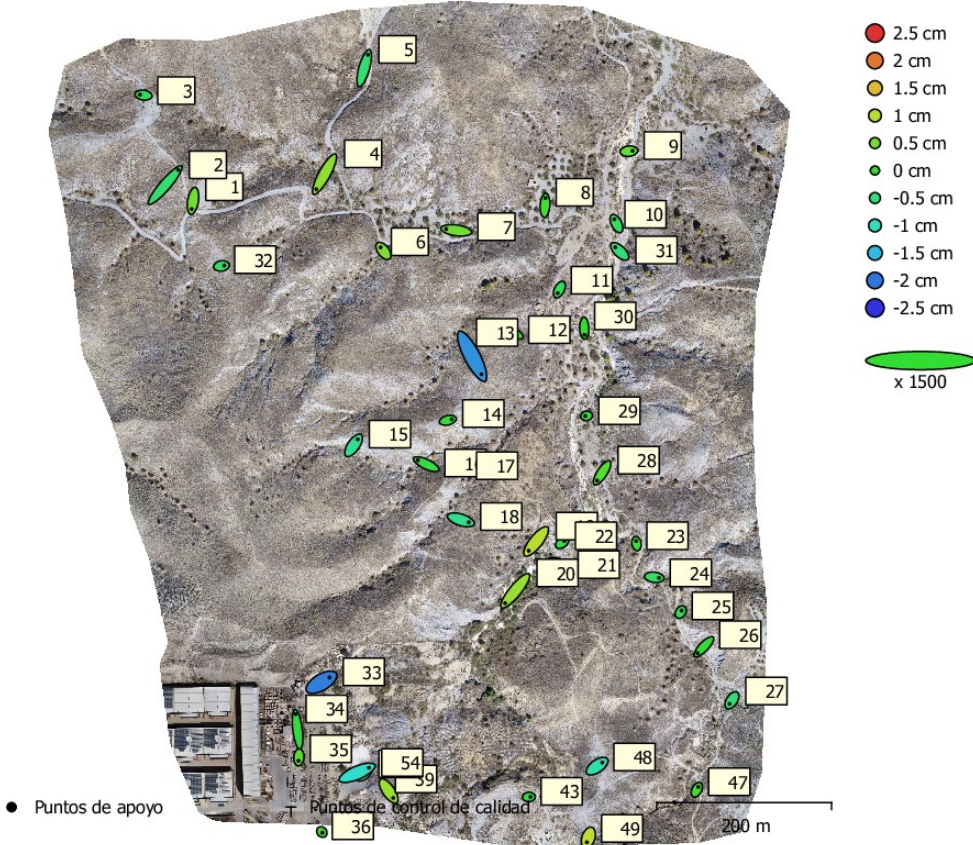


Fig. 4. Posiciones de puntos de apoyo y estimaciones de errores.
 El color indica el error en Z mientras el tamaño y forma de la elipse representan el error en XY.
 Las posiciones estimadas de puntos de apoyo se marcan con puntos o cruces.

Número	Error en X (cm)	Error en Y (cm)	Error en Z (cm)	Error en XY (cm)	Total (cm)
43	0.831951	1.04735	0.732216	1.33756	1.52487

Tabla 4. ECM de puntos de apoyo.
 X - Este, Y - Norte, Z - Altitud.

Nombre	Error en X (cm)	Error en Y (cm)	Error en Z (cm)	Total (cm)	Imagen (pix)
1	-0.202901	-1.24472	0.468213	1.34526	0.825 (8)
2	1.98426	2.29701	-0.436251	3.06657	1.490 (9)
3	-0.545006	0.0745505	-0.235363	0.598319	0.803 (10)
4	-1.25521	-2.2998	0.652428	2.70005	1.315 (12)
5	0.572997	2.04849	-0.442421	2.17264	1.119 (11)
6	-0.427976	0.543011	0.556958	0.887821	0.660 (16)
7	-1.54297	0.20825	0.459843	1.62345	0.796 (10)
8	0.0715648	1.11957	0.152319	1.13215	0.635 (10)
9	0.56214	0.0529245	0.363744	0.671649	0.632 (5)
10	-0.329611	0.652333	-0.340101	0.806132	0.725 (6)
11	-0.265759	-0.533093	-0.237626	0.641313	0.499 (7)
12	-0.890827	0.517334	0.0228891	1.0304	0.664 (9)
13	1.43004	-2.74073	-1.80232	3.5784	1.799 (11)
14	0.592671	0.144485	-0.0665436	0.613647	0.477 (11)
15	0.629745	0.913845	-0.7283	1.32745	1.112 (7)
16	-1.2704	0.60938	-0.130412	1.41502	0.626 (13)
17	-0.523125	0.256562	0.914394	1.08425	0.706 (13)
18	1.21612	-0.385612	-0.66288	1.43772	0.810 (8)
19	-1.14141	-1.42343	0.973834	2.06817	0.900 (14)
20	-1.53697	-1.88016	0.750531	2.54177	1.698 (7)
21	-0.781482	0.431684	2.2912	2.459	1.330 (14)
22	0.332959	0.247625	-0.144438	0.439365	0.521 (10)
23	-0.0585594	0.382201	0.0735296	0.39359	0.464 (6)
24	0.716995	-0.0874324	-0.327979	0.793282	0.806 (8)
25	0.149742	0.226985	-0.25417	0.372219	0.617 (7)
26	-0.934796	-0.96999	-0.0217149	1.34729	0.603 (11)
27	-0.356647	-0.548657	-0.501007	0.824154	0.865 (11)
28	-0.773027	-1.16754	0.240988	1.42084	0.909 (8)
29	-0.194093	-0.0251306	-0.103558	0.221422	0.776 (7)
30	0.0276768	-1.0111	0.00218395	1.01148	0.696 (9)
31	-0.672101	0.634452	-0.521668	1.06131	1.052 (5)

Nombre	Error en X (cm)	Error en Y (cm)	Error en Z (cm)	Total (cm)	Imagen (pix)
32	0.413948	0.06371	-0.354575	0.548758	0.834 (10)
33	1.21417	0.717738	-1.94135	2.39962	2.132 (7)
34	-0.288486	2.37115	-0.0812528	2.39002	0.998 (9)
35	-0.0363245	-0.517247	0.3041	0.601117	0.595 (15)
36	0.0893619	-0.110728	0.133793	0.195312	0.886 (2)
39	0.716762	-1.04919	0.775881	1.4888	0.764 (6)
43	0.250843	0.0184441	-0.134519	0.285232	0.515 (5)
47	0.222692	0.424959	0.128956	0.496802	0.660 (5)
48	0.804719	0.561144	-0.917671	1.34334	1.070 (7)
49	-0.223493	-0.676303	1.0566	1.27426	0.982 (8)
53	0.472901	0.458309	-0.812254	1.04568	0.618 (9)
54	1.80681	0.772244	-1.10609	2.25485	0.963 (9)
Total	0.831951	1.04735	0.732216	1.52487	0.951

Tabla 5. Puntos de apoyo.
X - Este, Y - Norte, Z - Altitud.

Modelo digital de elevaciones

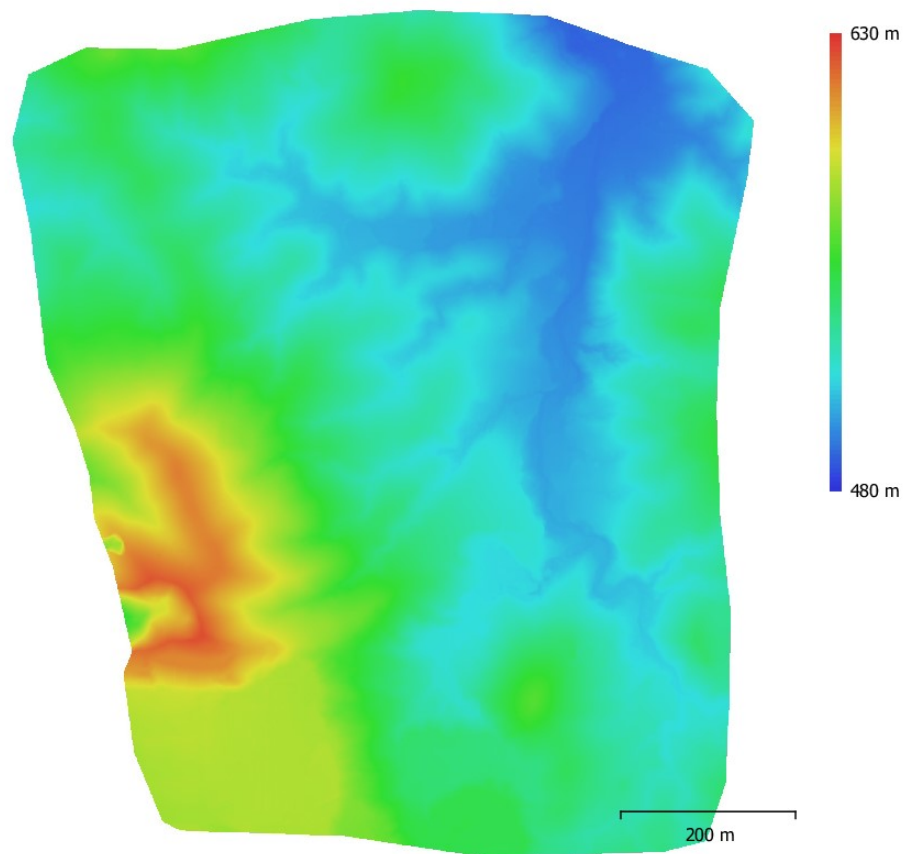


Fig. 5. Modelo digital de elevaciones.

Resolución: 6.72 cm/pix
Densidad de puntos: 221 puntos/m²

Parámetros de procesamiento

Generales

Cámaras	991
Cámaras orientadas	987
Marcadores	43

Formas

Polilíneas	27602
Polígonos	1
Sistema de coordenadas	ETRS89 / UTM zone 30N (EPSG::25830)
Ángulo de rotación	Guñada, cabeceo, alabeo

Nube de puntos

Puntos	274,052 de 339,331
RMS error de reproyección	0.170238 (1.04604 pix)
Error de reproyección máximo	0.765359 (36.4278 pix)
Tamaño promedio de puntos característicos	5.77439 pix
Colores de puntos	3 bandas, uint8
Puntos clave	No
Multiplicidad media de puntos de paso	13.4125

Parámetros de orientación

Precisión	Media
Pre-selección genérica	Sí
Pre-selección de referencia	Origen
Puntos clave por foto	40,000
Puntos de paso por foto	4,000
Exclude stationary tie points	Sí
Emparejamiento guiado	No
Ajuste adaptativo del modelo de cámara	No
Tiempo búsqueda de emparejamientos	7 minutos 27 segundos
Uso de memoria durante el emparejamiento	1.54 GB
Tiempo de orientación	1 hora 1 minuto
Uso de memoria durante el alineamiento	948.61 MB

Parámetros de optimización

Parámetros	f, b1, b2, cx, cy, k1-k4, p1, p2
Ajuste adaptativo del modelo de cámara	Sí
Tiempo de optimización	24 segundos
Versión del programa	1.7.0.11701
Tamaño de archivo	76.82 MB

Mapas de profundidad

Número	987
--------	-----

Parámetros de obtención de mapas de profundidad

Calidad	Alta
Nivel de filtrado	Agresivo
Tiempo de procesamiento	1 hora 38 minutos
Uso de memoria	8.64 GB
Versión del programa	1.7.0.11701
Tamaño de archivo	7.78 GB

Nube de puntos densa

Puntos	241,590,275
Colores de puntos	3 bandas, uint8

Parámetros de obtención de mapas de profundidad

Calidad	Alta
---------	------

Nivel de filtrado	Agresivo
Tiempo de procesamiento	1 hora 38 minutos
Uso de memoria	8.64 GB
Parámetros de generación de la nube densa	
Tiempo de procesamiento	5 horas 12 minutos
Uso de memoria	9.88 GB
Parámetros de clasificación de puntos de terreno	
Ángulo máximo (deg)	15
Distancia máxima (m)	1
Tamaño de célula (m)	50
Tiempo de clasificación	11 minutos 56 segundos
Uso de memoria durante la clasificación	8.12 GB
Versión del programa	1.7.0.11701
Tamaño de archivo	3.37 GB
Modelo	
Caras	15,926,166
Vértices	7,971,931
Colores de vértices	3 bandas, uint8
Parámetros de obtención de mapas de profundidad	
Calidad	Alta
Nivel de filtrado	Agresivo
Tiempo de procesamiento	1 hora 38 minutos
Uso de memoria	8.64 GB
Parámetros de reconstrucción	
Tipo de superficie	Bajorrelevo / terreno
Origen de datos	Nube de puntos densa
Interpolación	Habilitada
Máscaras volumétricas estrictas	No
Tiempo de procesamiento	25 minutos 7 segundos
Uso de memoria	6.22 GB
Versión del programa	1.7.0.11701
Tamaño de archivo	364.66 MB
MDE	
Tamaño	12,630 x 14,425
Sistema de coordenadas	ETRS89 / UTM zone 30N (EPSG::25830)
Tamaño de archivo	577.11 MB
Ortomosaico	
Tamaño	25,259 x 28,850
Sistema de coordenadas	ETRS89 / UTM zone 30N (EPSG::25830)
Colores	3 bandas, uint8
Parámetros de reconstrucción	
Modo de mezcla	Mosaico
Superficie	MDE
Permitir el cierre de agujeros	Sí
Habilitar el filtro de efecto fantasma	No
Tiempo de procesamiento	3 horas 16 minutos
Uso de memoria	3.80 GB
Versión del programa	1.7.0.11701
Tamaño de archivo	25.24 GB
Sistema	
Nombre del programa	Agisoft Metashape Professional
Versión del programa	1.7.0 build 11701
OS	Windows 64 bit
RAM	15.71 GB
CPU	12th Gen Intel(R) Core(TM) i7-12650H
GPU(s)	NVIDIA GeForce RTX 4070 Laptop GPU

El presente trabajo se da por concluido en Octubre de 2024, considerando los resultados del mismo dentro de los condicionantes impuestos al aceptar el encargo.

En Albox, a 9 de Octubre de 2024

Fdo.: PEDRO JOSÉ NAVARRO LÓPEZ

ARQUITECTO

COLEGIADO N° 6121

Fdo.: JUAN ANTONIO AZNAR NAVARRO

INGENIERO TOPÓGRAFO

COLEGIADO N° 0688

2. REPLANTEO

2.1. Introducción

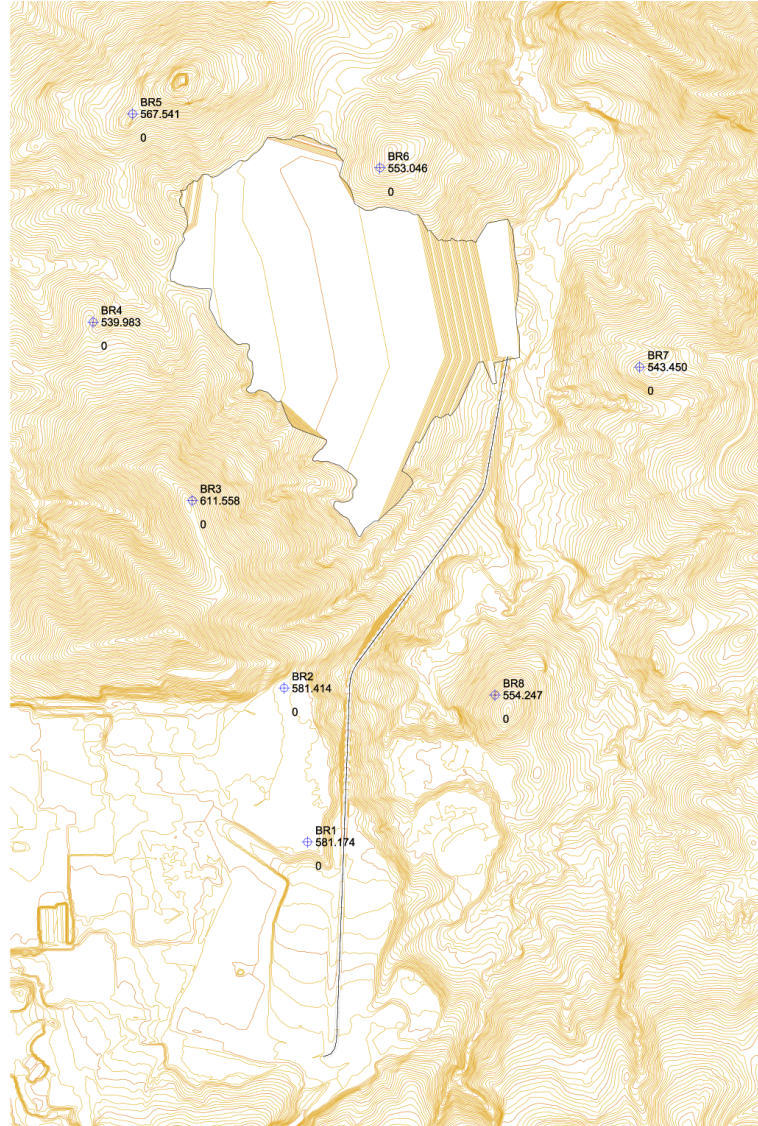
El objetivo de este apartado es presentar los listados necesarios para el replanteo de los distintos elementos que definen la actuación tanto en planta como en alzado del proyectado.

La planta de replanteo se encuentra en los planos nº8.

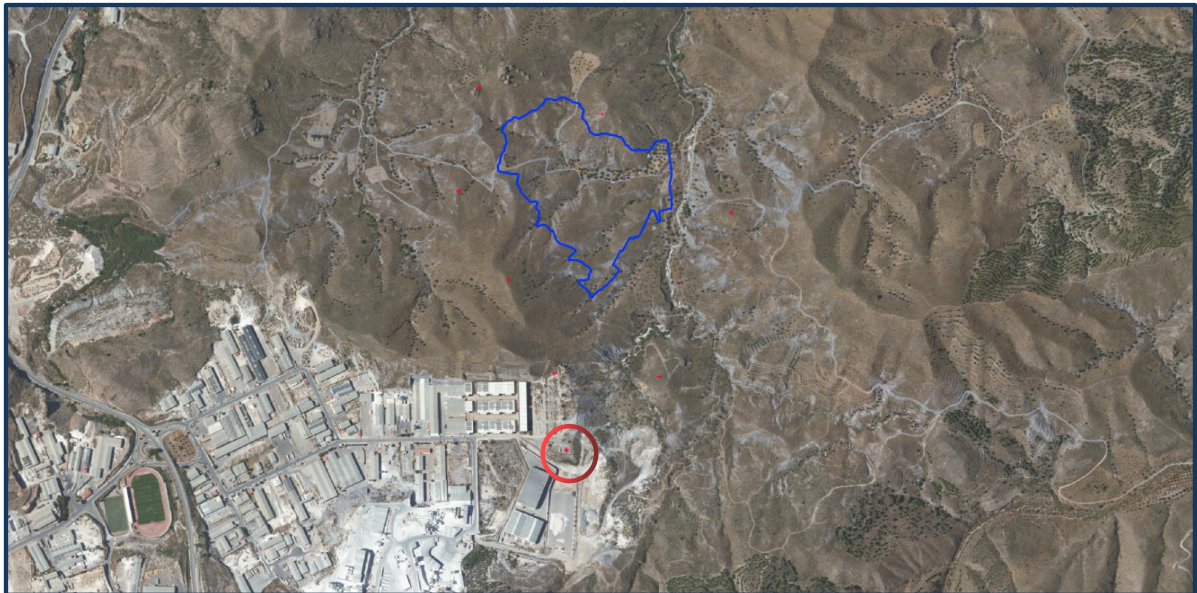
2.2. Bases de replanteo

Se incluyen las reseñas de las bases de replanteo materializadas en la zona de implantación de las obras proyectadas.

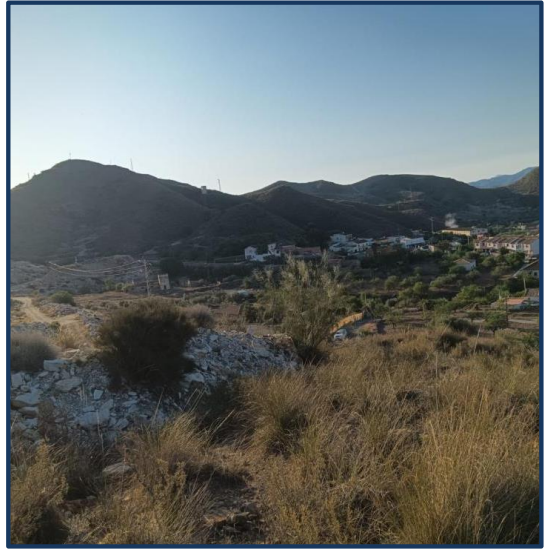
Nombre	Coord.X	Coord.Y	Coord.Z
BR1	563971.369	4132486.705	581.174
BR2	563941.529	4132682.143	581.414
BR3	563824.942	4132920.339	611.558
BR4	563699.104	4133147.023	539.983
BR5	563748.999	4133411.391	567.541
BR6	564063.348	4133342.621	553.046
BR7	564393.224	4133089.987	543.450
BR8	564209.535	4132673.329	554.247



BASE DE REPLANTEO BR1	Fecha / Date: 12/03/2024
Tipo de marca / Mark type	
ESTACA DE MADERA	
Coordenadas planimetricas / Planimetric coordinates	
X: 563971.369 m Y: 4132486.705 m	
Anamorfosis / Scale: 0.9996 Datum: WGS84 Proyección / Projection: UTM 30N	
Cota ortometrica / Ortometric elevation	
H: 581.174 m	
Geoide / Geoid: EGM08	

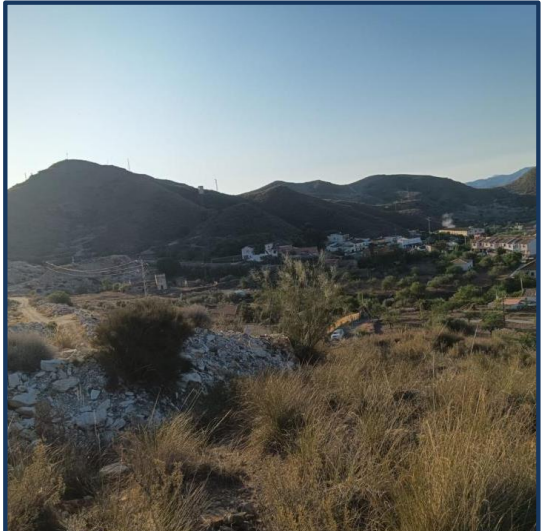


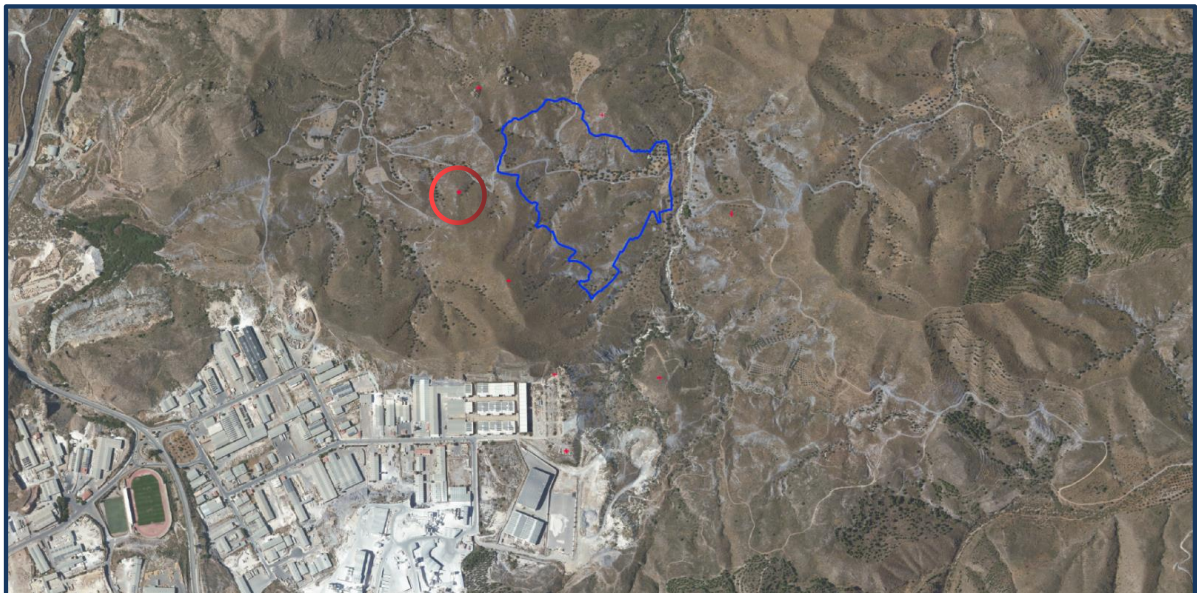
BASE DE REPLANTEO BR2		Fecha / Date:
Tipo de marca / Mark type		12/03/2024
ESTACA DE MADERA		
Coordenadas planimetricas / Planimetric coordinates		
X: 563941.529 m		
Y: 4132682.143 m		
Anamorfosis / Scale:	0.9996	
Datum:	WGS84	
Proyección / Projection:	UTM 30N	
Cota ortometrica / Ortometric elevation		
H: 581.414 m		
Geoide / Geoid:	EGM08	




<h1>BASE DE REPLANTEO BR3</h1>	Fecha / Date:
	12/03/2024
Tipo de marca / Mark type	
ESTACA DE MADERA	
Coordenadas planimetricas / Planimetric coordinates	
X: 563824.942 m Y: 4132920.339 m	
Anamorfosis / Scale: 0.9996	
Datum: WGS84	
Proyección / Projection: UTM 30N	
Cota ortometrica / Ortometric elevation	
H: 611.558 m	
Geoide / Geoid: EGM08	

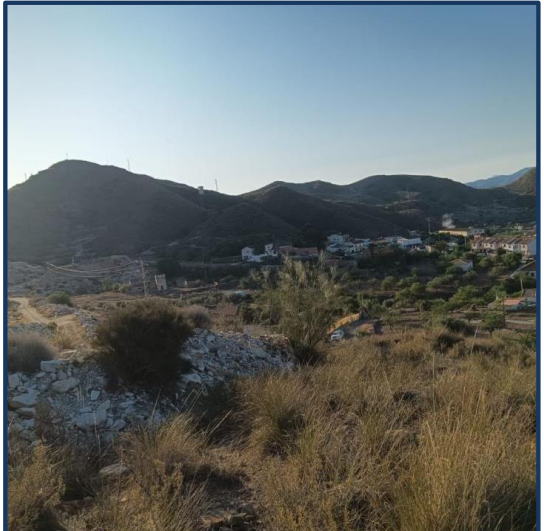


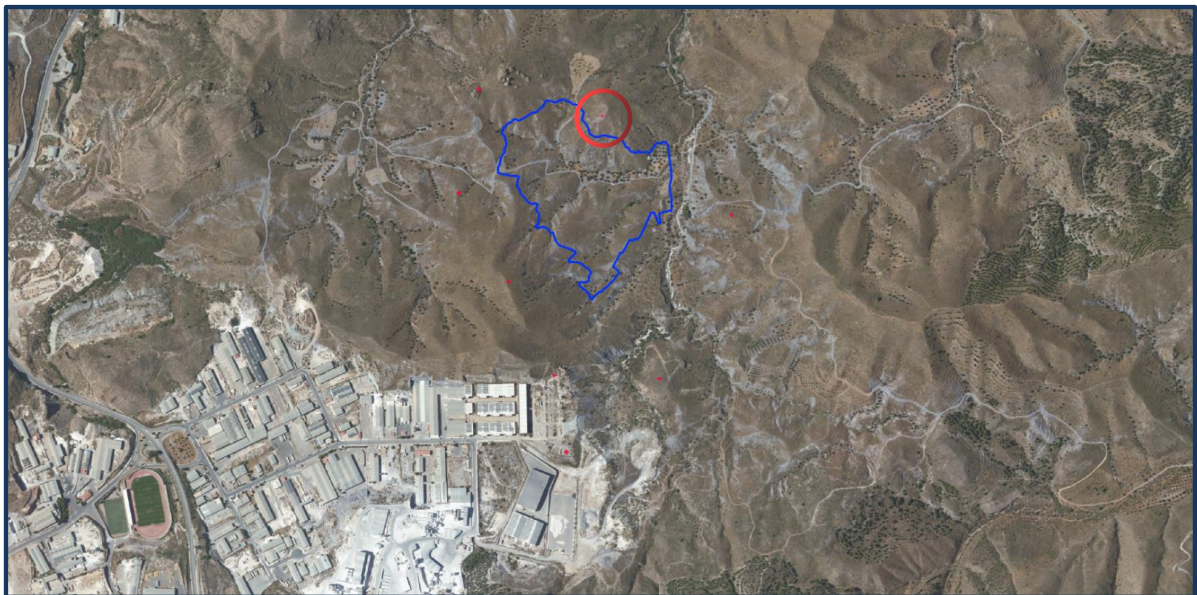
<h1 style="text-align: center;">BASE DE REPLANTEO BR4</h1>		Fecha / Date:
		12/03/2024
Tipo de marca / Mark type		
ESTACA DE MADERA		
Coordenadas planimetricas / Planimetric coordinates		
X: 563699.104 m Y: 4133147.023 m		
Anamorfosis / Scale: 0.9996		
Datum: WGS84		
Proyección / Projection: UTM 30N		
Cota ortometrica / Ortometric elevation		
H: 539.983 m		
Geoide / Geoid: EGM08		

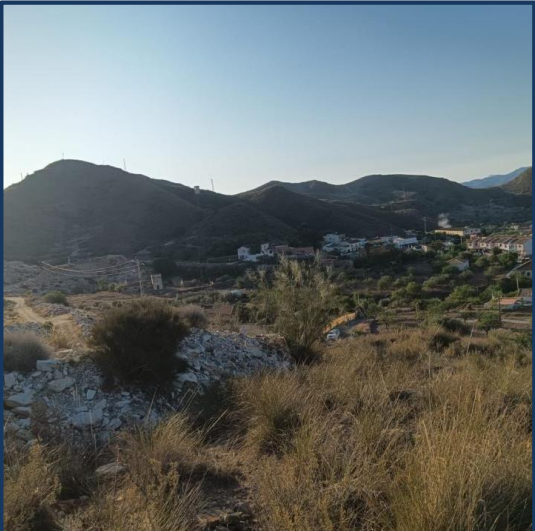


<h1>BASE DE REPLANTEO BR5</h1>		Fecha / Date:
		12/03/2024
Tipo de marca / Mark type		
ESTACA DE MADERA		
Coordenadas planimetricas / Planimetric coordinates		
X: 563748.999 m		
Y: 4133411.391 m		
Anamorfosis / Scale: 0.9996		
Datum: WGS84		
Proyección / Projection: UTM 30N		
Cota ortometrica / Ortometric elevation		
H: 567.541 m		
Geoide / Geoid: EGM08		



BASE DE REPLANTEO BR6	Fecha / Date: 12/03/2024
Tipo de marca / Mark type	
ESTACA DE MADERA	
Coordenadas planimetricas / Planimetric coordinates	
X: 564063.348 m Y: 4133342.621 m	
Anamorfosis / Scale: 0.9996 Datum: WGS84 Proyección / Projection: UTM 30N	
Cota ortometrica / Ortometric elevation	
H: 553.046 m	
Geoide / Geoid: EGM08	



<h1>BASE DE REPLANTEO BR7</h1>		Fecha / Date:
		12/03/2024
Tipo de marca / Mark type		
ESTACA DE MADERA		
Coordenadas planimetricas / Planimetric coordinates		
X: 564393.224 m		
Y: 4133089.987 m		
Anamorfosis / Scale: 0.9996		
Datum: WGS84		
Proyección / Projection: UTM 30N		
Cota ortometrica / Ortometric elevation		
H: 543.450 m		
Geoide / Geoid: EGM08		



<h1>BASE DE REPLANTEO BR8</h1>		Fecha / Date:
		12/03/2024
Tipo de marca / Mark type		
ESTACA DE MADERA		
Coordenadas planimetricas / Planimetric coordinates		
<p>X: 564209.535 m</p> <p>Y: 4132673.329 m</p>		
Anamorfosis / Scale: 0.9996		
Datum: WGS84		
Proyección / Projection: UTM 30N		
Cota ortometrica / Ortometric elevation		
H: 554.247 m		
Geoide / Geoid: EGM08		



2.3. Listados de replanteo

Se adjuntan los listados necesarios para el replanteo de los distintos elementos que componen las obras a ejecutar.

- Dique 1
- Dique 2
- Dique 3
- Dique 4
- Dique 5
- Dique 6
- Canal
- Camino de acceso
- Explanada

Se detallan en cada uno de los elementos a ejecutar, los datos de replanteo necesarios tanto en planta como en alzado de ejes, vértices de plataforma, vértices de talud y vértices de cuneta.

- Dique 1

LISTADO DE EJE EN PLANTA

Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Parametro	Longitud
Rec	0	564174,245	4133247,502	187,714864	0	0	10
Rec	10	564176,163	4133237,688	187,714864	0	0	10
Rec	20	564178,08	4133227,873	187,714864	0	0	10
Rec	30	564179,998	4133218,059	187,714864	0	0	10
Rec	40	564181,916	4133208,245	187,714864	0	0	10
Rec	50	564183,834	4133198,43	187,714864	0	0	10
Rec	60	564185,752	4133188,616	187,714864	0	0	10
Rec	70	564187,669	4133178,802	187,714864	0	0	10
Rec	80	564189,587	4133168,987	187,714864	0	0	10
Rec	90	564191,505	4133159,173	187,714864	0	0	10
Rec	100	564193,423	4133149,358	187,714864	0	0	10
Rec	110	564195,341	4133139,544	187,714864	0	0	10
Rec	120	564197,258	4133129,73	187,714864	0	0	10
Rec	130	564199,176	4133119,915	187,714864	0	0	10
Rec	140	564201,094	4133110,101	187,714864	0	0	10
Rec	150	564203,012	4133100,286	187,714864	0	0	10
Rec	160	564204,929	4133090,472	187,714864	0	0	10
Rec	170	564206,847	4133080,658	187,714864	0	0	10
Rec	180	564208,765	4133070,843	187,714864	0	0	8,517
	188,5	564210,398	4133062,484	187,714864			

LISTADO DE EJE EN ALZADO

Tipo	P.K.	Coord. X	Coord. Y	Diseño de elevación	Elevación existente	Diferencia de elevación
Rec	0	564174,245	4133247,502	508,000	508,000	0,000
Rec	10	564176,163	4133237,688	508,000	504,956	-3,044
Rec	20	564178,08	4133227,873	508,000	504,140	-3,860
Rec	30	564179,998	4133218,059	508,000	503,198	-4,802
Rec	40	564181,916	4133208,245	508,000	503,198	-4,802
Rec	50	564183,834	4133198,43	508,000	503,198	-4,802
Rec	60	564185,752	4133188,616	508,000	503,198	-4,802
Rec	70	564187,669	4133178,802	508,000	503,198	-4,802
Rec	80	564189,587	4133168,987	508,000	504,397	-3,603
Rec	90	564191,505	4133159,173	508,000	505,520	-2,480
Rec	100	564193,423	4133149,358	508,000	504,036	-3,964
Rec	110	564195,341	4133139,544	508,000	503,282	-4,718
Rec	120	564197,258	4133129,73	508,000	503,950	-4,050
Rec	130	564199,176	4133119,915	508,000	508,076	0,076
Rec	140	564201,094	4133110,101	508,000	509,557	1,557
Rec	150	564203,012	4133100,286	508,000	509,832	1,832
Rec	160	564204,929	4133090,472	508,000	510,731	2,731
Rec	170	564206,847	4133080,658	508,000	509,426	1,426
Rec	180	564208,765	4133070,843	508,000	508,290	0,290
Rec	188,517	564210,398	4133062,484	508,000	508,000	0,000

LISTADO DE REPLANTEO DE PLATAFORMA

P.K.	RET	Coord. X	Coord. Y	Coord. Z	Código
0	-2,5	564176,698	4133247,982	508,000	Carril 1
0	0	564174,245	4133247,502	508,000	Eje
0	2,5	564171,791	4133247,023	508,000	Carril 1
10	-2,5	564178,616	4133238,167	508,000	Carril 1
10	0	564176,163	4133237,688	508,000	Eje
10	2,5	564173,709	4133237,208	508,000	Carril 1
20	-2,5	564180,534	4133228,353	508,000	Carril 1
20	0	564178,08	4133227,873	508,000	Eje
20	2,5	564175,627	4133227,394	508,000	Carril 1
30	-2,5	564182,452	4133218,539	508,000	Carril 1
30	0	564179,998	4133218,059	508,000	Eje
30	2,5	564177,545	4133217,58	508,000	Carril 1
40	-2,5	564184,37	4133208,724	508,000	Carril 1
40	0	564181,916	4133208,245	508,000	Eje
40	2,5	564179,462	4133207,765	508,000	Carril 1
50	-2,5	564186,287	4133198,91	508,000	Carril 1
50	0	564183,834	4133198,43	508,000	Eje
50	2,5	564181,38	4133197,951	508,000	Carril 1
60	-2,5	564188,205	4133189,095	508,000	Carril 1
60	0	564185,752	4133188,616	508,000	Eje
60	2,5	564183,298	4133188,136	508,000	Carril 1
70	-2,5	564190,123	4133179,281	508,000	Carril 1
70	0	564187,669	4133178,802	508,000	Eje
70	2,5	564185,216	4133178,322	508,000	Carril 1
80	-2,5	564192,041	4133169,467	508,000	Carril 1
80	0	564189,587	4133168,987	508,000	Eje
80	2,5	564187,134	4133168,508	508,000	Carril 1
90	-2,5	564193,959	4133159,652	508,000	Carril 1
90	0	564191,505	4133159,173	508,000	Eje
90	2,5	564189,051	4133158,693	508,000	Carril 1
100	-2,5	564195,876	4133149,838	508,000	Carril 1
100	0	564193,423	4133149,358	508,000	Eje
100	2,5	564190,969	4133148,879	508,000	Carril 1
110	-2,5	564197,794	4133140,023	508,000	Carril 1
110	0	564195,341	4133139,544	508,000	Eje
110	2,5	564192,887	4133139,065	508,000	Carril 1
120	-2,5	564199,712	4133130,209	508,000	Carril 1
120	0	564197,258	4133129,73	508,000	Eje
120	2,5	564194,805	4133129,25	508,000	Carril 1
130	-2,5	564201,63	4133120,395	508,000	Carril 1
130	0	564199,176	4133119,915	508,000	Eje
130	2,5	564196,722	4133119,436	508,000	Carril 1
140	-2,5	564203,547	4133110,58	508,000	Carril 1
140	0	564201,094	4133110,101	508,000	Eje
140	2,5	564198,64	4133109,621	508,000	Carril 1
150	-2,5	564205,465	4133100,766	508,000	Carril 1
150	0	564203,012	4133100,286	508,000	Eje
150	2,5	564200,558	4133099,807	508,000	Carril 1
160	-2,5	564207,383	4133090,952	508,000	Carril 1
160	0	564204,929	4133090,472	508,000	Eje
160	2,5	564202,476	4133089,993	508,000	Carril 1
170	-2,5	564209,301	4133081,137	508,000	Carril 1
170	0	564206,847	4133080,658	508,000	Eje
170	2,5	564204,394	4133080,178	508,000	Carril 1
180	-2,5	564211,219	4133071,323	508,000	Carril 1
180	0	564208,765	4133070,843	508,000	Eje
180	2,5	564206,311	4133070,364	508,000	Carril 1
188,5	-2,5	564212,852	4133062,964	508,000	Carril 1
188,5	0	564210,398	4133062,484	508,000	Eje
188,5	2,5	564207,945	4133062,005	508,000	Carril 1

LISTADO DE REPLANTEO DE TALUDES

P.K.	RET	Coord. X	Coord. Y	Coord. Z	Código
0	-5,735	564179,873	4133248,602	505,843	CPT
0	5,684	564168,666	4133246,412	510,123	CPT
10	-7,867	564183,884	4133239,197	504,422	CPT
10	5,444	564170,82	4133236,644	507,709	CPT
20	-10	564187,895	4133229,791	503	CPT
20	5,204	564172,973	4133226,875	505,296	CPT
30	-10	564189,813	4133219,977	503	CPT
30	6,181	564173,931	4133216,874	504,318	CPT
40	-10	564191,73	4133210,162	503	CPT
40	7,159	564174,89	4133206,872	503,341	CPT
50	-10	564193,648	4133200,348	503	CPT
50	7,159	564176,808	4133197,057	503,341	CPT
60	-10	564195,566	4133190,534	503	CPT
60	7,159	564178,725	4133187,243	503,341	CPT
70	-10	564197,484	4133180,719	503	CPT
70	6,143	564181,64	4133177,623	504,356	CPT
80	-10	564199,402	4133170,905	503	CPT
80	5,128	564184,554	4133168,004	505,372	CPT
90	-10	564201,319	4133161,091	503	CPT
90	4,553	564187,037	4133158,3	505,947	CPT
100	-10	564203,237	4133151,276	503	CPT
100	3,977	564189,52	4133148,596	506,523	CPT
110	-10	564205,155	4133141,462	503	CPT
110	5,238	564190,2	4133138,539	505,262	CPT
120	-10	564207,073	4133131,647	503	CPT
120	6,499	564190,88	4133128,483	504,001	CPT
130	-10	564208,99	4133121,833	503	CPT
130	6,483	564192,813	4133118,672	507,323	CPT
140	-10	564210,908	4133112,019	503	CPT
140	6,468	564194,746	4133108,86	510,645	CPT
150	-7,444	564210,318	4133101,714	506,297	CPT
150	8,101	564195,061	4133098,733	511,734	CPT
160	-4,889	564209,728	4133091,41	509,593	CPT
160	9,734	564195,376	4133088,605	512,823	CPT
170	-3,697	564210,476	4133081,367	508,798	CPT
170	6,715	564200,257	4133079,37	510,81	CPT
180	-2,506	564211,225	4133071,324	508,004	CPT
180	3,696	564205,138	4133070,135	508,798	CPT
188,5	-2,759	564213,106	4133063,013	507,827	CPT
188,5	3,083	564207,373	4133061,893	508,388	CPT

LISTADO DE REPLANTEO DE CUNETAS

P.K.	RET	Coord. X	Coord. Y	Coord. Z	Código
0	-6,445	564180,570	4133248,738	505,553	402
0	-6,235	564180,364	4133248,698	505,343	401
0	-5,735	564179,873	4133248,602	505,843	400
10	-8,723	564184,723	4133239,361	504,277	402
10	-8,367	564184,375	4133239,293	503,922	401
10	-7,867	564183,884	4133239,197	504,422	400
20	-11	564188,876	4133229,983	503,000	402
20	-10,5	564188,386	4133229,887	502,500	401
20	-10	564187,895	4133229,791	503,000	400
30	-11	564190,794	4133220,169	503,000	402
30	-10,5	564190,303	4133220,073	502,500	401
30	-10	564189,813	4133219,977	503,000	400
40	-11	564192,712	4133210,354	503,000	402
40	-10,5	564192,221	4133210,258	502,500	401
40	-10	564191,730	4133210,162	503,000	400
50	-11	564194,630	4133200,540	503,000	402
50	-10,5	564194,139	4133200,444	502,500	401
50	-10	564193,648	4133200,348	503,000	400
60	-11	564196,547	4133190,725	503,000	402
60	-10,5	564196,057	4133190,630	502,500	401
60	-10	564195,566	4133190,534	503,000	400
70	-11	564198,465	4133180,911	503,000	402
70	-10,5	564197,974	4133180,815	502,500	401
70	-10	564197,484	4133180,719	503,000	400
80	-11	564200,383	4133171,097	503,000	402
80	-10,5	564199,892	4133171,001	502,500	401
80	-10	564199,402	4133170,905	503,000	400
90	-11	564202,301	4133161,282	503,000	402
90	-10,5	564201,810	4133161,186	502,500	401
90	-10	564201,319	4133161,091	503,000	400
100	-11	564204,219	4133151,468	503,000	402
100	-10,5	564203,728	4133151,372	502,500	401
100	-10	564203,237	4133151,276	503,000	400
110	-11	564206,136	4133141,654	503,000	402
110	-10,5	564205,646	4133141,558	502,500	401
110	-10	564205,155	4133141,462	503,000	400
120	-11	564208,054	4133131,839	503,000	402
120	-10,5	564207,563	4133131,743	502,500	401
120	-10	564207,073	4133131,647	503,000	400
130	-11	564209,972	4133122,025	503,000	402
130	-10,5	564209,481	4133121,929	502,500	401
130	-10	564208,990	4133121,833	503,000	400
140	-11	564211,890	4133112,210	503,000	402
140	-10,5	564211,399	4133112,115	502,500	401
140	-10	564210,908	4133112,019	503,000	400
189	-3,687	564214,017	4133063,191	507,756	402
189	-3,259	564213,597	4133063,109	507,327	401
189	-2,759	564213,106	4133063,013	507,827	400

■ Dique 2

LISTADO DE EJE EN PLANTA

Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Parametro	Longitud
Rec	0	564162,304	4133248,643	187,714864	0	0	10
Rec	10	564164,222	4133238,829	187,714864	0	0	10
Rec	20	564166,14	4133229,014	187,714864	0	0	10
Rec	30	564168,058	4133219,2	187,714864	0	0	10
Rec	40	564169,976	4133209,385	187,714864	0	0	10
Rec	50	564171,893	4133199,571	187,714864	0	0	10
Rec	60	564173,811	4133189,757	187,714864	0	0	10
Rec	70	564175,729	4133179,942	187,714864	0	0	10
Rec	80	564177,647	4133170,128	187,714864	0	0	10
Rec	90	564179,565	4133160,314	187,714864	0	0	10
Rec	100	564181,482	4133150,499	187,714864	0	0	10
Rec	110	564183,4	4133140,685	187,714864	0	0	10
Rec	120	564185,318	4133130,87	187,714864	0	0	10
Rec	130	564187,236	4133121,056	187,714864	0	0	10
Rec	140	564189,153	4133111,242	187,714864	0	0	10
	153,143	564191,674	4133098,343	187,714864	0	0	13,143

LISTADO DE EJE EN ALZADO

Tipo	P.K.	Coord. X	Coord. Y	Diseño de elevación	Elevación existente	Diferencia de Elevación
Rec	0	564162,304	4133248,643	513,000	513,000	0
Rec	10	564164,222	4133238,829	513,000	510,719	-2,281
Rec	20	564166,140	4133229,014	513,000	508,185	-4,815
Rec	30	564168,058	4133219,200	513,000	508,180	-4,82
Rec	40	564169,976	4133209,385	513,000	508,181	-4,819
Rec	50	564171,893	4133199,571	513,000	508,177	-4,823
Rec	60	564173,811	4133189,757	513,000	508,168	-4,832
Rec	70	564175,729	4133179,942	513,000	508,181	-4,819
Rec	80	564177,647	4133170,128	513,000	508,180	-4,82
Rec	90	564179,565	4133160,314	513,000	508,180	-4,82
Rec	100	564181,482	4133150,499	513,000	508,180	-4,82
Rec	110	564183,400	4133140,685	513,000	508,180	-4,82
Rec	120	564185,318	4133130,870	513,000	508,180	-4,82
Rec	130	564187,236	4133121,056	513,000	508,180	-4,82
Rec	140	564189,153	4133111,242	513,000	510,057	-2,943
	153,143	564191,674	4133098,343	513,000	513,000	0

LISTADO DE REPLANTEO PLATAFORMA

P.K.	RET	Coord. X	Coord. Y	Coord. Z	Código
0	-2,5	564164,758	4133249,122	513,000	Carril 1
0	0	564162,304	4133248,643	513,000	Eje
0	2,5	564159,851	4133248,164	513,000	Carril 1
10	-2,5	564166,676	4133239,308	513,000	Carril 1
10	0	564164,222	4133238,829	513,000	Eje
10	2,5	564161,769	4133238,349	513,000	Carril 1
20	-2,5	564168,594	4133229,494	513,000	Carril 1
20	0	564166,140	4133229,014	513,000	Eje
20	2,5	564163,686	4133228,535	513,000	Carril 1
30	-2,5	564170,511	4133219,679	513,000	Carril 1
30	0	564168,058	4133219,200	513,000	Eje
30	2,5	564165,604	4133218,720	513,000	Carril 1
40	-2,5	564172,429	4133209,865	513,000	Carril 1
40	0	564169,976	4133209,385	513,000	Eje
40	2,5	564167,522	4133208,906	513,000	Carril 1
50	-2,5	564174,347	4133200,051	513,000	Carril 1
50	0	564171,893	4133199,571	513,000	Eje
50	2,5	564169,440	4133199,092	513,000	Carril 1
60	-2,5	564176,265	4133190,236	513,000	Carril 1
60	0	564173,811	4133189,757	513,000	Eje
60	2,5	564171,358	4133189,277	513,000	Carril 1
70	-2,5	564178,183	4133180,422	513,000	Carril 1
70	0	564175,729	4133179,942	513,000	Eje
70	2,5	564173,275	4133179,463	513,000	Carril 1
80	-2,5	564180,100	4133170,607	513,000	Carril 1
80	0	564177,647	4133170,128	513,000	Eje
80	2,5	564175,193	4133169,648	513,000	Carril 1
90	-2,5	564182,018	4133160,793	513,000	Carril 1
90	0	564179,565	4133160,314	513,000	Eje
90	2,5	564177,111	4133159,834	513,000	Carril 1
100	-2,5	564183,936	4133150,979	513,000	Carril 1
100	0	564181,482	4133150,499	513,000	Eje
100	2,5	564179,029	4133150,020	513,000	Carril 1
110	-2,5	564185,854	4133141,164	513,000	Carril 1
110	0	564183,400	4133140,685	513,000	Eje
110	2,5	564180,947	4133140,205	513,000	Carril 1
120	-2,5	564187,771	4133131,350	513,000	Carril 1
120	0	564185,318	4133130,870	513,000	Eje
120	2,5	564182,864	4133130,391	513,000	Carril 1
130	-2,5	564189,689	4133121,535	513,000	Carril 1
130	0	564187,236	4133121,056	513,000	Eje
130	2,5	564184,782	4133120,577	513,000	Carril 1
140	-2,5	564191,607	4133111,721	513,000	Carril 1
140	0	564189,153	4133111,242	513,000	Eje
140	2,5	564186,700	4133110,762	513,000	Carril 1
150	-2,5	564193,525	4133101,907	513,000	Carril 1
150	0	564191,071	4133101,427	513,000	Eje
150	2,5	564188,618	4133100,948	513,000	Carril 1
153,1	-2,5	564194,128	4133098,822	513,000	Carril 1
153,1	0	564191,674	4133098,343	513,000	Eje
153,1	2,5	564189,220	4133097,863	513,000	Carril 1
153,1	-2,5	564194,128	4133098,822	513,000	Carril 1
153,1	0	564191,674	4133098,343	513,000	Eje
153,1	2,5	564189,220	4133097,863	513,000	Carril 1

LISTADO DE REPLANTEO TALUDES

P.K.	RET	Coord. X	Coord. Y	Coord. Z	Código
0	-5,609	564167,809	4133249,719	510,928	CPT
0	5,598	564156,810	4133247,569	515,065	CPT
10	-7,805	564171,882	4133240,325	509,464	CPT
10	5,817	564158,513	4133237,713	512,264	CPT
20	-10	564175,954	4133230,932	508,000	CPT
20	6,037	564160,215	4133227,856	509,463	CPT
30	-10	564177,872	4133221,118	508,000	CPT
30	6,607	564161,574	4133217,933	508,894	CPT
40	-10	564179,790	4133211,303	508,000	CPT
40	7,176	564162,933	4133208,009	508,324	CPT
50	-10	564181,708	4133201,489	508,000	CPT
50	7,176	564164,851	4133198,195	508,324	CPT
60	-10	564183,626	4133191,674	508,000	CPT
60	7,176	564166,768	4133188,380	508,324	CPT
70	-10	564185,543	4133181,860	508,000	CPT
70	7,176	564168,686	4133178,566	508,324	CPT
80	-10	564187,461	4133172,046	508,000	CPT
80	7,176	564170,604	4133168,752	508,324	CPT
90	-10	564189,379	4133162,231	508,000	CPT
90	7,176	564172,521	4133158,937	508,323	CPT
100	-10	564191,297	4133152,417	508,000	CPT
100	7,177	564174,439	4133149,123	508,323	CPT
110	-10	564193,214	4133142,603	508,000	CPT
110	7,176	564176,357	4133139,308	508,323	CPT
120	-10	564195,132	4133132,788	508,000	CPT
120	7,176	564178,275	4133129,494	508,324	CPT
130	-10	564197,050	4133122,974	508,000	CPT
130	5,887	564181,458	4133119,927	509,613	CPT
140	-10	564198,968	4133113,159	508,000	CPT
140	4,598	564184,641	4133110,360	510,902	CPT
150	-10	564200,886	4133103,345	508,000	CPT
150	3,55	564187,587	4133100,746	512,864	CPT
153,1	-10	564201,488	4133100,261	508,000	CPT
153,1	3,221	564188,513	4133097,725	513,481	CPT
153,1	-10	564201,488	4133100,261	508,000	CPT
153,1	3,221	564188,513	4133097,725	513,481	CPT

LISTADO DE REPLANTEO CUNETAS

P.K.	RET	Coord. X	Coord. Y	Coord. Z	Código
0	-6,44	564168,625	4133249,878	510,759	402
0	-6,109	564168,300	4133249,815	510,428	401
0	-5,609	564167,809	4133249,719	510,928	400
10	-8,72	564172,780	4133240,501	509,380	402
10	-8,305	564172,373	4133240,421	508,964	401
10	-7,805	564171,882	4133240,325	509,464	400
20	-11	564176,936	4133231,124	508,000	402
20	-10,5	564176,445	4133231,028	507,500	401
20	-10	564175,954	4133230,932	508,000	400
30	-11	564178,854	4133221,309	508,000	402
30	-10,5	564178,363	4133221,214	507,500	401
30	-10	564177,872	4133221,118	508,000	400
40	-11	564180,771	4133211,495	508,000	402
40	-10,5	564180,281	4133211,399	507,500	401
40	-10	564179,790	4133211,303	508,000	400
50	-11	564182,689	4133201,681	508,000	402
50	-10,5	564182,198	4133201,585	507,500	401
50	-10	564181,708	4133201,489	508,000	400
60	-11	564184,607	4133191,866	508,000	402
60	-10,5	564184,116	4133191,770	507,500	401
60	-10	564183,626	4133191,674	508,000	400
70	-11	564186,525	4133182,052	508,000	402
70	-10,5	564186,034	4133181,956	507,500	401
70	-10	564185,543	4133181,860	508,000	400
80	-11	564188,443	4133172,237	508,000	402
80	-10,5	564187,952	4133172,142	507,500	401
80	-10	564187,461	4133172,046	508,000	400
90	-11	564190,360	4133162,423	508,000	402
90	-10,5	564189,870	4133162,327	507,500	401
90	-10	564189,379	4133162,231	508,000	400
100	-11	564192,278	4133152,609	508,000	402
100	-10,5	564191,787	4133152,513	507,500	401
100	-10	564191,297	4133152,417	508,000	400
110	-11	564194,196	4133142,794	508,000	402
110	-10,5	564193,705	4133142,698	507,500	401
110	-10	564193,214	4133142,603	508,000	400
120	-11	564196,114	4133132,980	508,000	402
120	-10,5	564195,623	4133132,884	507,500	401
120	-10	564195,132	4133132,788	508,000	400
130	-11	564198,032	4133123,166	508,000	402
130	-10,5	564197,541	4133123,070	507,500	401
130	-10	564197,050	4133122,974	508,000	400
140	-11	564199,949	4133113,351	508,000	402
140	-10,5	564199,459	4133113,255	507,500	401
140	-10	564198,968	4133113,159	508,000	400
150	-11	564201,867	4133103,537	508,000	402
150	-10,5	564201,376	4133103,441	507,500	401
150	-10	564200,886	4133103,345	508,000	400
153	-11	564202,470	4133100,452	508,000	402
153	-10,5	564201,979	4133100,356	507,500	401
153	-10	564201,488	4133100,261	508,000	400
153	-11	564202,470	4133100,452	508,000	402
153	-10,5	564201,979	4133100,356	507,500	401
153	-10	564201,488	4133100,261	508,000	400

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LISTADO DE EJE EN PLANTA

Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Parametro	Longitud
Rec	0	564150,547	4133248,848	187,715	0	0	5
Rec	5	564151,506	4133243,940	187,715	0	0	5
Rec	10	564152,465	4133239,033	187,715	0	0	5
Rec	15	564153,424	4133234,126	187,715	0	0	5
Rec	20	564154,383	4133229,219	187,715	0	0	5
Rec	25	564155,342	4133224,312	187,715	0	0	5
Rec	30	564156,300	4133219,405	187,715	0	0	5
Rec	35	564157,259	4133214,497	187,715	0	0	5
Rec	40	564158,218	4133209,590	187,715	0	0	5
Rec	45	564159,177	4133204,683	187,715	0	0	5
Rec	50	564160,136	4133199,776	187,715	0	0	5
Rec	55	564161,095	4133194,869	187,715	0	0	5
Rec	60	564162,054	4133189,961	187,715	0	0	5
Rec	65	564163,013	4133185,054	187,715	0	0	5
Rec	70	564163,972	4133180,147	187,715	0	0	5
Rec	75	564164,930	4133175,240	187,715	0	0	5
Rec	80	564165,889	4133170,333	187,715	0	0	5
Rec	85	564166,848	4133165,425	187,715	0	0	5
Rec	90	564167,807	4133160,518	187,715	0	0	5
Rec	95	564168,766	4133155,611	187,715	0	0	5
Rec	100	564169,725	4133150,704	187,715	0	0	5
Rec	105	564170,684	4133145,797	187,715	0	0	5
Rec	110	564171,643	4133140,889	187,715	0	0	5
Rec	115	564172,602	4133135,982	187,715	0	0	5
Rec	120	564173,560	4133131,075	187,715	0	0	5
Cur	125	564174,456	4133126,156	190,003	100	0	5
Cur	130	564175,114	4133121,200	193,186	100	0	5
Cur	135	564175,524	4133116,218	196,369	100	0	5
Cur	140	564175,684	4133111,221	199,553	100	0	5
Cur	145	564175,594	4133106,222	202,736	100	0	5
Cur	150	564175,254	4133101,234	205,919	100	0	5
Cur	155	564174,666	4133096,269	209,102	100	0	5
Cur	160	564173,830	4133091,340	212,285	100	0	5
Cur	165	564172,749	4133086,459	215,468	100	0	5
Cur	170	564171,425	4133081,638	218,651	100	0	5
Cur	175	564169,862	4133076,889	221,834	100	0	5
Rec	180	564168,066	4133072,223	224,565	0	0	5
Rec	185	564166,184	4133067,591	224,565	0	0	5
Rec	190	564164,302	4133062,959	224,565	0	0	5
Rec	195	564162,421	4133058,326	224,565	0	0	5
Rec	200	564160,539	4133053,694	224,565	0	0	5
Rec	205	564158,657	4133049,062	224,565	0	0	5
Rec	210	564156,775	4133044,429	224,565	0	0	5
Rec	215	564154,893	4133039,797	224,565	0	0	5
Rec	220	564153,011	4133035,165	224,565	0	0	5
Rec	222,766	564151,970	4133032,602	224,565	0	0	5

LISTADO DE EJE EN ALZADO

Tipo	P.K.	Coord. X	Coord. Y	Diseño de elevación	Elevación existente	Diferencia de elevación
Rec	0	564150,547	4133248,848	518,000	518,000	0
Rec	5	564151,506	4133243,940	518,000	516,558	-1,44225
Rec	10	564152,465	4133239,033	518,000	514,722	-3,278
Rec	15	564153,424	4133234,126	518,000	513,181	-4,819
Rec	20	564154,383	4133229,219	518,000	513,181	-4,819
Rec	25	564155,342	4133224,312	518,000	513,181	-4,819
Rec	30	564156,300	4133219,405	518,000	513,181	-4,819
Rec	35	564157,259	4133214,497	518,000	513,181	-4,819
Rec	40	564158,218	4133209,590	518,000	513,181	-4,819
Rec	45	564159,177	4133204,683	518,000	513,181	-4,819
Rec	50	564160,136	4133199,776	518,000	513,181	-4,819
Rec	55	564161,095	4133194,869	518,000	513,181	-4,819
Rec	60	564162,054	4133189,961	518,000	513,181	-4,819
Rec	65	564163,013	4133185,054	518,000	513,181	-4,819
Rec	70	564163,972	4133180,147	518,000	513,181	-4,819
Rec	75	564164,930	4133175,240	518,000	513,181	-4,819
Rec	80	564165,889	4133170,333	518,000	513,181	-4,819
Rec	85	564166,848	4133165,425	518,000	513,181	-4,819
Rec	90	564167,807	4133160,518	518,000	513,181	-4,819
Rec	95	564168,766	4133155,611	518,000	513,181	-4,819
Rec	100	564169,725	4133150,704	518,000	513,181	-4,819
Rec	105	564170,684	4133145,797	518,000	513,181	-4,819
Rec	110	564171,643	4133140,889	518,000	513,181	-4,819
Rec	115	564172,602	4133135,982	518,000	513,181	-4,819
Rec	120	564173,560	4133131,075	518,000	513,181	-4,819
Cur	125	564174,456	4133126,156	518,000	513,184	-4,816073
Cur	130	564175,114	4133121,200	518,000	513,188	-4,812
Cur	135	564175,524	4133116,218	518,000	513,201	-4,798549
Cur	140	564175,684	4133111,221	518,000	513,215	-4,785
Cur	145	564175,594	4133106,222	518,000	513,237	-4,763284
Cur	150	564175,254	4133101,234	518,000	514,274	-3,726
Cur	155	564174,666	4133096,269	518,000	515,142	-2,858373
Cur	160	564173,830	4133091,340	518,000	515,612	-2,388
Cur	165	564172,749	4133086,459	518,000	516,138	-1,862097
Cur	170	564171,425	4133081,638	518,000	516,246	-1,754
Cur	175	564169,862	4133076,889	518,000	516,073	-1,927061
Rec	180	564168,066	4133072,223	518,000	515,859	-2,141
Rec	185	564166,184	4133067,591	518,000	515,771	-2,228538
Rec	190	564164,302	4133062,959	518,000	515,691	-2,309
Rec	195	564162,421	4133058,326	518,000	515,712	-2,287679
Rec	200	564160,539	4133053,694	518,000	516,045	-1,955
Rec	205	564158,657	4133049,062	518,000	516,435	-1,565416
Rec	210	564156,775	4133044,429	518,000	516,758	-1,242
Rec	215	564154,893	4133039,797	518,000	517,046	-0,953554
Rec	220	564153,011	4133035,165	518,000	517,712	-0,288
Rec	222,77	564151,970	4133032,602	518,000	518,000	0

LISTADO DE REPLANTEO PLATAFORMA

P.K.	RET	Coord. X	Coord. Y	Coord. Z	Código
0	-2,5	564153,001	4133249,327	518,000	Carril 1
0	0	564150,547	4133248,848	518,000	Eje
0	2,5	564148,093	4133248,368	518,000	Carril 1
10	-2,5	564154,918	4133239,513	518,000	Carril 1
10	0	564152,465	4133239,033	518,000	Eje
10	2,5	564150,011	4133238,554	518,000	Carril 1
20	-2,5	564156,836	4133229,698	518,000	Carril 1
20	0	564154,383	4133229,219	518,000	Eje
20	2,5	564151,929	4133228,739	518,000	Carril 1
30	-2,5	564158,754	4133219,884	518,000	Carril 1
30	0	564156,3	4133219,405	518,000	Eje
30	2,5	564153,847	4133218,925	518,000	Carril 1
40	-2,5	564160,672	4133210,07	518,000	Carril 1
40	0	564158,218	4133209,59	518,000	Eje
40	2,5	564155,765	4133209,111	518,000	Carril 1
50	-2,5	564162,59	4133200,255	518,000	Carril 1
50	0	564160,136	4133199,776	518,000	Eje
50	2,5	564157,682	4133199,296	518,000	Carril 1
60	-2,5	564164,507	4133190,441	518,000	Carril 1
60	0	564162,054	4133189,961	518,000	Eje
60	2,5	564159,6	4133189,482	518,000	Carril 1
70	-2,5	564166,425	4133180,626	518,000	Carril 1
70	0	564163,972	4133180,147	518,000	Eje
70	2,5	564161,518	4133179,668	518,000	Carril 1
80	-2,5	564168,343	4133170,812	518,000	Carril 1
80	0	564165,889	4133170,333	518,000	Eje
80	2,5	564163,436	4133169,853	518,000	Carril 1
90	-2,5	564170,261	4133160,998	518,000	Carril 1
90	0	564167,807	4133160,518	518,000	Eje
90	2,5	564165,353	4133160,039	518,000	Carril 1
100	-2,5	564172,178	4133151,183	518,000	Carril 1
100	0	564169,725	4133150,704	518,000	Eje
100	2,5	564167,271	4133150,224	518,000	Carril 1
110	-2,5	564174,096	4133141,369	518,000	Carril 1
110	0	564171,643	4133140,889	518,000	Eje
110	2,5	564169,189	4133140,41	518,000	Carril 1
120	-2,5	564176,014	4133131,555	518,000	Carril 1
120	0	564173,56	4133131,075	518,000	Eje
120	2,5	564171,107	4133130,596	518,000	Carril 1
121,4	-2,5	564176,284	4133130,175	518,000	Carril 1
121,4	0	564173,83	4133129,696	518,000	Eje
121,4	2,5	564171,376	4133129,216	518,000	Carril 1
125	-2,5	564176,925	4133126,547	518,000	Carril 1
125	0	564174,456	4133126,156	518,000	Eje
125	2,5	564171,987	4133125,765	518,000	Carril 1
130	-2,5	564177,6	4133121,467	518,000	Carril 1

130	0	564175,114	4133121,2	518,000	Eje
130	2,5	564172,628	4133120,933	518,000	Carril 1
135	-2,5	564178,02	4133116,36	518,000	Carril 1
135	0	564175,524	4133116,218	518,000	Eje
135	2,5	564173,028	4133116,075	518,000	Carril 1
140	-2,5	564178,184	4133111,238	518,000	Carril 1
140	0	564175,684	4133111,221	518,000	Eje
140	2,5	564173,184	4133111,203	518,000	Carril 1
145	-2,5	564178,092	4133106,115	518,000	Carril 1
145	0	564175,594	4133106,222	518,000	Eje
145	2,5	564173,096	4133106,329	518,000	Carril 1
150	-2,5	564177,743	4133101,002	518,000	Carril 1
150	0	564175,254	4133101,234	518,000	Eje
150	2,5	564172,765	4133101,466	518,000	Carril 1
155	-2,5	564177,14	4133095,913	518,000	Carril 1
155	0	564174,666	4133096,269	518,000	Eje
155	2,5	564172,191	4133096,626	518,000	Carril 1
160	-2,5	564176,284	4133090,861	518,000	Carril 1
160	0	564173,83	4133091,34	518,000	Eje
160	2,5	564171,376	4133091,82	518,000	Carril 1
165	-2,5	564175,175	4133085,858	518,000	Carril 1
165	0	564172,749	4133086,459	518,000	Eje
165	2,5	564170,322	4133087,061	518,000	Carril 1
170	-2,5	564173,819	4133080,916	518,000	Carril 1
170	0	564171,425	4133081,638	518,000	Eje
170	2,5	564169,032	4133082,36	518,000	Carril 1
175	-2,5	564172,217	4133076,048	518,000	Carril 1
175	0	564169,862	4133076,889	518,000	Eje
175	2,5	564167,508	4133077,73	518,000	Carril 1
179,3	-2,5	564170,649	4133071,94	518,000	Carril 1
179,3	0	564168,333	4133072,881	518,000	Eje
179,3	2,5	564166,017	4133073,822	518,000	Carril 1
180	-2,5	564170,382	4133071,282	518,000	Carril 1
180	0	564168,066	4133072,223	518,000	Eje
180	2,5	564165,75	4133073,164	518,000	Carril 1
190	-2,5	564166,619	4133062,018	518,000	Carril 1
190	0	564164,302	4133062,959	518,000	Eje
190	2,5	564161,986	4133063,9	518,000	Carril 1
200	-2,5	564162,855	4133052,753	518,000	Carril 1
200	0	564160,539	4133053,694	518,000	Eje
200	2,5	564158,223	4133054,635	518,000	Carril 1
210	-2,5	564159,091	4133043,488	518,000	Carril 1
210	0	564156,775	4133044,429	518,000	Eje
210	2,5	564154,459	4133045,37	518,000	Carril 1
220	-2,5	564155,328	4133034,224	518,000	Carril 1
220	0	564153,011	4133035,165	518,000	Eje
220	2,5	564150,695	4133036,105	518,000	Carril 1
222,8	-2,5	564154,287	4133031,661	518,000	Carril 1
222,8	0	564151,97	4133032,602	518,000	Eje
222,8	2,5	564149,654	4133033,543	518,000	Carril 1

LISTADO DE REPLANTEO DE TALUDES

P.K.	RET	Coord. X	Coord. Y	Coord. Z	Código
0	-6,45	564156,877	4133250,085	515,367	CPT
0	7,135	564143,545	4133247,479	521,090	CPT
10	-8,225	564160,537	4133240,611	514,184	CPT
10	7,157	564145,441	4133237,661	517,206	CPT
20	-9,999	564164,196	4133231,136	513,001	CPT
20	7,179	564147,337	4133227,842	513,321	CPT
30	-10	564166,114	4133221,322	513,000	CPT
30	7,181	564149,252	4133218,027	513,319	CPT
40	-10	564168,033	4133211,508	513,000	CPT
40	7,184	564151,168	4133208,212	513,316	CPT
50	-10	564169,950	4133201,694	513,000	CPT
50	7,181	564153,088	4133198,399	513,319	CPT
60	-10	564171,868	4133191,879	513,000	CPT
60	7,178	564155,009	4133188,585	513,322	CPT
70	-10	564173,786	4133182,065	513,000	CPT
70	7,18	564156,925	4133178,770	513,321	CPT
80	-10	564175,704	4133172,250	513,000	CPT
80	7,181	564158,842	4133168,955	513,319	CPT
90	-10	564177,621	4133162,436	513,000	CPT
90	7,178	564160,762	4133159,142	513,322	CPT
100	-10	564179,539	4133152,622	513,000	CPT
100	7,176	564162,682	4133149,328	513,324	CPT
110	-10	564181,457	4133142,807	513,000	CPT
110	7,176	564164,600	4133139,513	513,324	CPT
120	-9,999	564183,374	4133132,993	513,001	CPT
120	7,176	564166,518	4133129,699	513,324	CPT
121,41	-9,999	564183,643	4133131,613	513,001	CPT
121,41	7,176	564166,787	4133128,319	513,324	CPT
125	-9,999	564184,332	4133127,720	513,001	CPT
125	7,173	564167,371	4133125,035	513,327	CPT
130	-9,999	564185,056	4133122,268	513,001	CPT
130	7,168	564167,987	4133120,435	513,332	CPT
135	-9,985	564185,492	4133116,787	513,010	CPT
135	7,156	564168,379	4133115,810	513,344	CPT
140	-9,97	564185,653	4133111,291	513,020	CPT
140	7,144	564168,540	4133111,170	513,356	CPT
145	-9,795	564185,380	4133105,801	513,137	CPT
145	6,281	564169,319	4133106,492	514,219	CPT
150	-9,62	564184,833	4133100,341	513,253	CPT
150	5,417	564169,861	4133101,737	515,083	CPT
155	-8,919	564183,494	4133094,998	513,721	CPT
155	4,67	564170,043	4133096,935	515,830	CPT
160	-8,219	564181,896	4133089,764	514,188	CPT
160	3,923	564169,980	4133092,093	516,577	CPT
165	-7,643	564180,167	4133084,620	514,572	CPT
165	3,76	564169,099	4133087,364	516,740	CPT
170	-7,066	564178,190	4133079,597	514,956	CPT
170	3,597	564167,981	4133082,677	516,903	CPT
175	-7,422	564176,852	4133074,393	514,718	CPT
175	3,735	564166,344	4133078,145	516,765	CPT
179,29	-7,728	564175,493	4133069,973	514,514	CPT
179,29	3,854	564164,763	4133074,332	516,646	CPT
180	-7,719	564175,217	4133069,318	514,521	CPT
180	3,883	564164,469	4133073,685	516,617	CPT
190	-7,321	564171,085	4133060,203	514,786	CPT
190	3,97	564160,624	4133064,453	516,530	CPT
200	-6,923	564166,953	4133051,088	515,052	CPT
200	4,057	564156,780	4133055,221	516,443	CPT
210	-5,534	564161,902	4133042,346	515,978	CPT
210	3,408	564153,618	4133045,712	517,308	CPT
220	-4,145	564156,852	4133033,605	516,904	CPT
220	2,759	564150,455	4133036,203	518,173	CPT
222,77	-3,425	564155,144	4133031,313	517,384	CPT
222,77	3,952	564148,309	4133034,089	518,968	CPT

LISTADO DE REPLANTEO CUNETAS

P.K.	RET	Coord. X	Coord. Y	Coord. Z	Código
0	-7,188	564157,602	4133250,226	515,105	402
0	-6,95	564157,368	4133250,181	514,867	401
0	-6,45	564156,877	4133250,085	515,367	400
10	-9,094	564161,390	4133240,777	514,053	402
10	-8,725	564161,027	4133240,706	513,684	401
10	-8,225	564160,537	4133240,611	514,184	400
20	-10,999	564165,177	4133231,328	513,000	402
20	-10,499	564164,687	4133231,232	512,501	401
20	-9,999	564164,196	4133231,136	513,001	400
30	-11	564167,096	4133221,514	513,000	402
30	-10,5	564166,605	4133221,418	512,500	401
30	-10	564166,114	4133221,322	513,000	400
40	-11	564169,014	4133211,700	513,000	402
40	-10,5	564168,523	4133211,604	512,500	401
40	-10	564168,033	4133211,508	513,000	400
50	-11	564170,932	4133201,885	513,000	402
50	-10,5	564170,441	4133201,789	512,500	401
50	-10	564169,950	4133201,694	513,000	400
60	-11	564172,850	4133192,071	513,000	402
60	-10,5	564172,359	4133191,975	512,500	401
60	-10	564171,868	4133191,879	513,000	400
70	-11	564174,767	4133182,257	513,000	402
70	-10,5	564174,277	4133182,161	512,500	401
70	-10	564173,786	4133182,065	513,000	400
80	-11	564176,685	4133172,442	513,000	402
80	-10,5	564176,194	4133172,346	512,500	401
80	-10	564175,704	4133172,250	513,000	400
90	-11	564178,603	4133162,628	513,000	402
90	-10,5	564178,112	4133162,532	512,500	401
90	-10	564177,621	4133162,436	513,000	400
100	-11	564180,521	4133152,813	513,000	402
100	-10,5	564180,030	4133152,718	512,500	401
100	-10	564179,539	4133152,622	513,000	400
110	-10,999	564182,437	4133142,999	513,000	402
110	-10,5	564181,947	4133142,903	512,500	401
110	-10	564181,457	4133142,807	513,000	400
120	-10,998	564184,354	4133133,184	513,000	402
120	-10,499	564183,865	4133133,089	512,501	401
120	-9,999	564183,374	4133132,993	513,001	400
121,41	-10,999	564184,625	4133131,805	513,000	402
121,41	-10,499	564184,134	4133131,709	512,501	401
121,41	-9,999	564183,643	4133131,613	513,001	400
125	-10,999	564185,319	4133127,876	513,000	402
125	-10,499	564184,826	4133127,798	512,501	401
125	-9,999	564184,332	4133127,720	513,001	400
130	-10,998	564186,049	4133122,375	513,000	402

130	-10,499	564185,553	4133122,322	512,501	401
130	-9,999	564185,056	4133122,268	513,001	400
135	-10,974	564186,480	4133116,843	513,000	402
135	-10,485	564185,991	4133116,815	512,510	401
135	-9,985	564185,492	4133116,787	513,010	400
140	-10,951	564186,634	4133111,298	513,001	402
140	-10,47	564186,153	4133111,294	512,520	401
140	-9,97	564185,653	4133111,291	513,020	400
145	-10,734	564186,318	4133105,761	513,075	402
145	-10,295	564185,879	4133105,780	512,637	401
145	-9,795	564185,380	4133105,801	513,137	400
150	-10,517	564185,726	4133100,258	513,150	402
150	-10,12	564185,331	4133100,295	512,753	401
150	-9,62	564184,833	4133100,341	513,253	400
155	-9,803	564184,369	4133094,873	513,604	402
155	-9,419	564183,989	4133094,927	513,221	401
155	-8,919	564183,494	4133094,998	513,721	400
160	-9,089	564182,750	4133089,597	514,058	402
160	-8,719	564182,387	4133089,668	513,688	401
160	-8,219	564181,896	4133089,764	514,188	400
165	-8,505	564181,004	4133084,413	514,435	402
165	-8,143	564180,652	4133084,500	514,072	401
165	-7,643	564180,167	4133084,620	514,572	400
170	-7,92	564179,008	4133079,351	514,811	402
170	-7,566	564178,669	4133079,453	514,456	401
170	-7,066	564178,190	4133079,597	514,956	400
175	-8,273	564177,653	4133074,107	514,569	402
175	-7,922	564177,323	4133074,225	514,218	401
175	-7,422	564176,852	4133074,393	514,718	400
179,29	-8,575	564176,278	4133069,654	514,361	402
179,29	-8,228	564175,956	4133069,784	514,014	401
179,29	-7,728	564175,493	4133069,973	514,514	400
180	-8,562	564175,998	4133069,001	514,364	402
180	-8,219	564175,681	4133069,130	514,021	401
180	-7,719	564175,217	4133069,318	514,521	400
190	-8,178	564171,879	4133059,881	514,644	402
190	-7,821	564171,548	4133060,015	514,286	401
190	-7,321	564171,085	4133060,203	514,786	400
200	-7,794	564167,760	4133050,761	514,923	402
200	-7,423	564167,416	4133050,900	514,552	401
200	-6,923	564166,953	4133051,088	515,052	400
210	-6,398	564162,702	4133042,021	515,842	402
210	-6,034	564162,365	4133042,158	515,478	401
210	-5,534	564161,902	4133042,346	515,978	400
220	-5,001	564157,645	4133033,282	516,760	402
220	-4,645	564157,315	4133033,416	516,404	401
220	-4,145	564156,852	4133033,605	516,904	400
222,77	-4,272	564155,928	4133030,994	517,231	402
222,77	-3,925	564155,607	4133031,125	516,884	401
222,77	-3,425	564155,144	4133031,313	517,384	400

■ Dique 4

LISTADO DE EJE EN PLANTA

Tipo	P.K.	Coord. X	Coord. Y	Azimet	Radio	Parametro	Longitud
Rec	0	564138,606	4133249,99	187,714939	0	0	5
Rec	5	564139,565	4133245,083	187,714939	0	0	5
Rec	10	564140,524	4133240,176	187,714939	0	0	5
Rec	15	564141,483	4133235,269	187,714939	0	0	5
Rec	20	564142,442	4133230,361	187,714939	0	0	5
Rec	25	564143,401	4133225,454	187,714939	0	0	5
Rec	30	564144,36	4133220,547	187,714939	0	0	5
Rec	35	564145,319	4133215,64	187,714939	0	0	5
Rec	40	564146,277	4133210,733	187,714939	0	0	5
Rec	45	564147,236	4133205,826	187,714939	0	0	5
Rec	50	564148,195	4133200,918	187,714939	0	0	5
Rec	55	564149,154	4133196,011	187,714939	0	0	5
Rec	60	564150,113	4133191,104	187,714939	0	0	5
Rec	65	564151,072	4133186,197	187,714939	0	0	5
Rec	70	564152,031	4133181,29	187,714939	0	0	5
Rec	75	564152,99	4133176,382	187,714939	0	0	5
Rec	80	564153,949	4133171,475	187,714939	0	0	5
Rec	85	564154,907	4133166,568	187,714939	0	0	5
Rec	90	564155,866	4133161,661	187,714939	0	0	5
Rec	95	564156,825	4133156,754	187,714939	0	0	5
Rec	100	564157,784	4133151,846	187,714939	0	0	5
Rec	105	564158,743	4133146,939	187,714939	0	0	5
Rec	110	564159,702	4133142,032	187,714939	0	0	5
Rec	115	564160,661	4133137,125	187,714939	0	0	5
Rec	120	564161,62	4133132,218	187,714939	0	0	5
Cur	125	564162,578	4133127,31	187,846629	88,5	0	5
Cur	130	564163,388	4133122,377	191,443351	88,5	0	5
Cur	135	564163,918	4133117,406	195,040072	88,5	0	5
Cur	140	564164,166	4133112,413	198,636794	88,5	0	5
Cur	145	564164,132	4133107,413	202,233516	88,5	0	5
Cur	150	564163,815	4133102,424	205,830238	88,5	0	5
Cur	155	564163,218	4133097,461	209,42696	88,5	0	5
Cur	160	564162,341	4133092,539	213,023682	88,5	0	5
Cur	165	564161,187	4133087,674	216,620404	88,5	0	5
Cur	170	564159,761	4133082,883	220,217126	88,5	0	5
Cur	175	564158,066	4133078,18	223,813847	88,5	0	5
Rec	180	564156,19	4133073,545	224,565271	0	0	5
Rec	185	564154,308	4133068,913	224,565271	0	0	5
Rec	190	564152,427	4133064,28	224,565271	0	0	5
Rec	195	564150,545	4133059,648	224,565271	0	0	5
Rec	200	564148,663	4133055,015	224,565271	0	0	5
Rec	205	564146,781	4133050,383	224,565271	0	0	5
Rec	210	564144,899	4133045,751	224,565271	0	0	5
Rec	215	564143,017	4133041,118	224,565271	0	0	5
Rec	220	564141,136	4133036,486	224,565271	0	0	5
Rec	225	564139,254	4133031,854	224,565271	0	0	5
Rec	228,8	564137,806	4133028,29	224,565271	0	0	5

LISTADO DE EJE EN ALZADO

Tipo	P.K.	Coord. X	Coord. Y	Diseño de elevación	Elevación existente	Diferencia de elevación
Rec	0	564138,606	4133249,990	523,000	523,000	0,000
Rec	5	564139,565	4133245,083	523,000	520,728	-2,272
Rec	10	564140,524	4133240,176	523,000	518,413	-4,587
Rec	15	564141,483	4133235,269	523,000	518,230	-4,770
Rec	20	564142,442	4133230,361	523,000	518,230	-4,770
Rec	25	564143,401	4133225,454	523,000	518,230	-4,770
Rec	30	564144,360	4133220,547	523,000	518,230	-4,770
Rec	35	564145,319	4133215,640	523,000	518,230	-4,770
Rec	40	564146,277	4133210,733	523,000	518,230	-4,770
Rec	45	564147,236	4133205,826	523,000	518,230	-4,770
Rec	50	564148,195	4133200,918	523,000	518,230	-4,770
Rec	55	564149,154	4133196,011	523,000	518,230	-4,770
Rec	60	564150,113	4133191,104	523,000	518,230	-4,770
Rec	65	564151,072	4133186,197	523,000	518,230	-4,770
Rec	70	564152,031	4133181,290	523,000	518,230	-4,770
Rec	75	564152,990	4133176,382	523,000	518,230	-4,770
Rec	80	564153,949	4133171,475	523,000	518,230	-4,770
Rec	85	564154,907	4133166,568	523,000	518,230	-4,770
Rec	90	564155,866	4133161,661	523,000	518,230	-4,770
Rec	95	564156,825	4133156,754	523,000	518,230	-4,770
Rec	100	564157,784	4133151,846	523,000	518,228	-4,772
Rec	105	564158,743	4133146,939	523,000	518,221	-4,779
Rec	110	564159,702	4133142,032	523,000	518,215	-4,785
Rec	115	564160,661	4133137,125	523,000	518,209	-4,791
Rec	120	564161,620	4133132,218	523,000	518,203	-4,797
Cur	125	564162,578	4133127,310	523,000	518,197	-4,803
Cur	130	564163,538	4133122,377	523,000	518,171	-4,829
Cur	135	564163,918	4133117,406	523,000	518,147	-4,853
Cur	140	564164,166	4133112,413	523,000	518,135	-4,865
Cur	145	564164,132	4133107,413	523,000	518,143	-4,857
Cur	150	564163,815	4133102,424	523,000	518,153	-4,847
Cur	155	564163,218	4133097,461	523,000	518,164	-4,836
Cur	160	564162,341	4133092,539	523,000	518,175	-4,825
Cur	165	564161,187	4133087,674	523,000	518,184	-4,816
Cur	170	564159,761	4133082,883	523,000	518,198	-4,802
Cur	175	564158,066	4133078,180	523,000	518,210	-4,790
Rec	180	564156,190	4133073,545	523,000	518,220	-4,780
Rec	185	564154,308	4133068,913	523,000	518,229	-4,771
Rec	190	564152,427	4133064,280	523,000	518,230	-4,770
Rec	195	564150,545	4133059,648	523,000	518,230	-4,770
Rec	200	564148,663	4133055,015	523,000	518,230	-4,770
Rec	205	564146,781	4133050,383	523,000	518,250	-4,750
Rec	210	564144,899	4133045,751	523,000	518,983	-4,017
Rec	215	564143,017	4133041,118	523,000	520,244	-2,756
Rec	220	564141,136	4133036,486	523,000	520,962	-2,038
Rec	225	564139,254	4133031,854	523,000	522,057	-0,943
Rec	228,847	564137,806	4133028,290	523,000	523,000	0,000

LISTADO DE REPLANTEO PLATAFORMA

P.K.	RET	Coord. X	Coord. Y	Coord. Z	Código
0	-2,5	564141,060	4133250,470	523,000	Carril 1
0	0	564138,606	4133249,990	523,000	Eje
0	2,5	564136,153	4133249,511	523,000	Carril 1
10	-2,5	564142,978	4133240,655	523,000	Carril 1
10	0	564140,524	4133240,176	523,000	Eje
10	2,5	564138,070	4133239,696	523,000	Carril 1
20	-2,5	564144,895	4133230,841	523,000	Carril 1
20	0	564142,442	4133230,361	523,000	Eje
20	2,5	564139,988	4133229,882	523,000	Carril 1
30	-2,5	564146,813	4133221,027	523,000	Carril 1
30	0	564144,360	4133220,547	523,000	Eje
30	2,5	564141,906	4133220,068	523,000	Carril 1
40	-2,5	564148,731	4133211,212	523,000	Carril 1
40	0	564146,277	4133210,733	523,000	Eje
40	2,5	564143,824	4133210,253	523,000	Carril 1
50	-2,5	564150,649	4133201,398	523,000	Carril 1
50	0	564148,195	4133200,918	523,000	Eje
50	2,5	564145,742	4133200,439	523,000	Carril 1
60	-2,5	564152,567	4133191,583	523,000	Carril 1
60	0	564150,113	4133191,104	523,000	Eje
60	2,5	564147,659	4133190,625	523,000	Carril 1
70	-2,5	564154,484	4133181,769	523,000	Carril 1
70	0	564152,031	4133181,290	523,000	Eje
70	2,5	564149,577	4133180,810	523,000	Carril 1
80	-2,5	564156,402	4133171,955	523,000	Carril 1
80	0	564153,949	4133171,475	523,000	Eje
80	2,5	564151,495	4133170,996	523,000	Carril 1
90	-2,5	564158,320	4133162,140	523,000	Carril 1
90	0	564155,866	4133161,661	523,000	Eje
90	2,5	564153,413	4133161,181	523,000	Carril 1
100	-2,5	564160,238	4133152,326	523,000	Carril 1
100	0	564157,784	4133151,846	523,000	Eje
100	2,5	564155,331	4133151,367	523,000	Carril 1
110	-2,5	564162,155	4133142,511	523,000	Carril 1
110	0	564159,702	4133142,032	523,000	Eje
110	2,5	564157,248	4133141,553	523,000	Carril 1
120	-2,5	564164,073	4133132,697	523,000	Carril 1
120	0	564161,620	4133132,218	523,000	Eje
120	2,5	564159,166	4133131,738	523,000	Carril 1
124,82	-2,5	564164,997	4133127,970	523,000	Carril 1
124,82	0	564162,543	4133127,490	523,000	Eje
124,82	2,5	564160,090	4133127,011	523,000	Carril 1
125	-2,5	564165,033	4133127,785	523,000	Carril 1
125	0	564162,578	4133127,310	523,000	Eje
125	2,5	564160,124	4133126,836	523,000	Carril 1
130	-2,5	564165,865	4133122,712	523,000	Carril 1

130	0	564163,388	4133122,377	523,000	Eje
130	2,5	564160,911	4133122,042	523,000	Carril 1
135	-2,5	564166,410	4133117,600	523,000	Carril 1
135	0	564163,918	4133117,406	523,000	Eje
135	2,5	564161,425	4133117,211	523,000	Carril 1
140	-2,5	564166,665	4133112,466	523,000	Carril 1
140	0	564164,166	4133112,413	523,000	Eje
140	2,5	564161,666	4133112,359	523,000	Carril 1
145	-2,5	564166,630	4133107,326	523,000	Carril 1
145	0	564164,132	4133107,413	523,000	Eje
145	2,5	564161,633	4133107,501	523,000	Carril 1
150	-2,5	564166,305	4133102,196	523,000	Carril 1
150	0	564163,815	4133102,424	523,000	Eje
150	2,5	564161,326	4133102,653	523,000	Carril 1
155	-2,5	564165,690	4133097,092	523,000	Carril 1
155	0	564163,218	4133097,461	523,000	Eje
155	2,5	564160,745	4133097,830	523,000	Carril 1
160	-2,5	564164,789	4133092,031	523,000	Carril 1
160	0	564162,341	4133092,539	523,000	Eje
160	2,5	564159,893	4133093,047	523,000	Carril 1
165	-2,5	564163,602	4133087,029	523,000	Carril 1
165	0	564161,187	4133087,674	523,000	Eje
165	2,5	564158,772	4133088,320	523,000	Carril 1
170	-2,5	564162,136	4133082,102	523,000	Carril 1
170	0	564159,761	4133082,883	523,000	Eje
170	2,5	564157,386	4133083,664	523,000	Carril 1
175	-2,5	564160,393	4133077,266	523,000	Carril 1
175	0	564158,066	4133078,180	523,000	Eje
175	2,5	564155,739	4133079,093	523,000	Carril 1
176,05	-2,5	564159,995	4133076,269	523,000	Carril 1
176,05	0	564157,679	4133077,209	523,000	Eje
176,05	2,5	564155,363	4133078,150	523,000	Carril 1
180	-2,5	564158,506	4133072,604	523,000	Carril 1
180	0	564156,190	4133073,545	523,000	Eje
180	2,5	564153,874	4133074,486	523,000	Carril 1
190	-2,5	564154,743	4133063,339	523,000	Carril 1
190	0	564152,427	4133064,280	523,000	Eje
190	2,5	564150,110	4133065,221	523,000	Carril 1
200	-2,5	564150,979	4133054,075	523,000	Carril 1
200	0	564148,663	4133055,015	523,000	Eje
200	2,5	564146,347	4133055,956	523,000	Carril 1
210	-2,5	564147,215	4133044,810	523,000	Carril 1
210	0	564144,899	4133045,751	523,000	Eje
210	2,5	564142,583	4133046,692	523,000	Carril 1
220	-2,5	564143,452	4133035,545	523,000	Carril 1
220	0	564141,136	4133036,486	523,000	Eje
220	2,5	564138,819	4133037,427	523,000	Carril 1
228,85	-2,5	564140,122	4133027,349	523,000	Carril 1
228,85	0	564137,806	4133028,290	523,000	Eje
228,85	2,5	564135,490	4133029,231	523,000	Carril 1
228,85	-2,5	564140,122	4133027,349	523,000	Carril 1
228,85	0	564137,806	4133028,290	523,000	Eje
228,85	2,5	564135,490	4133029,231	523,000	Carril 1

LISTADO DE REPLANTEO TALUDES

P.K.	RET	Coord. X	Coord. Y	Coord. Z	Código
0	-3,145	564141,693	4133250,593	522,570	CPT
0	2,587	564136,067	4133249,494	523,058	CPT
10	-6,549	564146,952	4133241,432	520,301	CPT
10	4,857	564135,757	4133239,244	520,716	CPT
20	-9,953	564152,210	4133232,270	518,031	CPT
20	7,127	564135,447	4133228,995	518,373	CPT
30	-9,954	564154,128	4133222,456	518,031	CPT
30	7,127	564137,365	4133219,180	518,373	CPT
40	-9,954	564156,047	4133212,642	518,031	CPT
40	7,127	564139,283	4133209,366	518,373	CPT
50	-9,954	564157,964	4133202,827	518,031	CPT
50	7,127	564141,200	4133199,552	518,373	CPT
60	-9,953	564159,881	4133193,013	518,031	CPT
60	7,127	564143,118	4133189,737	518,373	CPT
70	-9,953	564161,799	4133183,198	518,031	CPT
70	7,127	564145,036	4133179,923	518,372	CPT
80	-9,953	564163,717	4133173,384	518,031	CPT
80	7,128	564146,953	4133170,108	518,372	CPT
90	-9,953	564165,635	4133163,570	518,031	CPT
90	7,139	564148,860	4133160,292	518,361	CPT
100	-9,953	564167,552	4133153,755	518,031	CPT
100	7,15	564150,767	4133150,475	518,350	CPT
110	-9,953	564169,470	4133143,941	518,031	CPT
110	7,162	564152,673	4133140,659	518,339	CPT
120	-9,953	564171,388	4133134,126	518,031	CPT
120	7,173	564154,580	4133130,842	518,327	CPT
124,817	-9,96	564172,319	4133129,400	518,026	CPT
124,817	7,18	564155,497	4133126,113	518,320	CPT
125	-9,96	564172,358	4133129,200	518,026	CPT
125	7,181	564155,528	4133125,948	518,319	CPT
130	-9,974	564173,272	4133123,714	518,017	CPT
130	7,196	564156,257	4133121,413	518,304	CPT
135	-9,973	564173,860	4133118,182	518,018	CPT
135	7,218	564156,722	4133116,844	518,282	CPT
140	-9,971	564174,135	4133112,626	518,019	CPT
140	7,24	564156,928	4133112,258	518,260	CPT
145	-9,969	564174,095	4133107,064	518,021	CPT
145	7,25	564156,887	4133107,668	518,250	CPT
150	-9,967	564173,741	4133101,513	518,022	CPT
150	7,259	564156,587	4133103,088	518,241	CPT
155	-9,965	564173,073	4133095,991	518,024	CPT
155	7,248	564156,049	4133098,530	518,252	CPT
160	-9,962	564172,095	4133090,515	518,025	CPT
160	7,237	564155,255	4133094,009	518,263	CPT
165	-9,96	564170,810	4133085,104	518,026	CPT
165	7,219	564154,213	4133089,538	518,281	CPT
170	-9,958	564169,221	4133079,773	518,028	CPT
170	7,201	564152,920	4133085,131	518,299	CPT
175	-9,954	564167,332	4133074,542	518,030	CPT
175	7,181	564151,382	4133080,804	518,319	CPT
176,045	-9,953	564166,900	4133073,463	518,031	CPT
176,045	7,177	564151,030	4133079,911	518,323	CPT
180	-9,954	564165,412	4133069,799	518,031	CPT
180	7,163	564149,554	4133076,241	518,337	CPT
190	-9,953	564161,648	4133060,534	518,032	CPT
190	7,082	564145,865	4133066,946	518,418	CPT
200	-9,952	564157,883	4133051,270	518,032	CPT
200	7,002	564142,176	4133057,651	518,498	CPT
210	-9,518	564153,717	4133042,168	518,322	CPT
210	5,49	564139,813	4133047,817	520,010	CPT
220	-9,084	564149,552	4133033,067	518,611	CPT
220	3,978	564137,450	4133037,983	521,522	CPT
228,847	-4,13	564141,632	4133026,736	521,913	CPT
228,847	3,382	564134,673	4133029,563	523,588	CPT
228,847	-4,13	564141,632	4133026,736	521,913	CPT
228,847	3,382	564134,673	4133029,563	523,588	CPT

LISTADO DE REPLANTEO CUNETAS

P.K.	RET	Coord. X	Coord. Y	Coord. Z	Código
0	-3,92	564142,454	4133250,742	522,345	402
0	-3,645	564142,184	4133250,689	522,070	401
0	-3,145	564141,693	4133250,593	522,570	400
10	-7,426	564147,813	4133241,600	520,178	402
10	-7,049	564147,442	4133241,528	519,801	401
10	-6,549	564146,952	4133241,432	520,301	400
20	-10,933	564153,172	4133232,458	518,011	402
20	-10,453	564152,701	4133232,366	517,531	401
20	-9,953	564152,210	4133232,270	518,031	400
30	-10,934	564155,091	4133222,644	518,011	402
30	-10,454	564154,619	4133222,552	517,531	401
30	-9,954	564154,128	4133222,456	518,031	400
40	-10,935	564157,009	4133212,830	518,011	402
40	-10,454	564156,537	4133212,738	517,531	401
40	-9,954	564156,047	4133212,642	518,031	400
50	-10,934	564158,926	4133203,015	518,011	402
50	-10,454	564158,455	4133202,923	517,531	401
50	-9,954	564157,964	4133202,827	518,031	400
60	-10,933	564160,843	4133193,201	518,011	402
60	-10,453	564160,372	4133193,109	517,531	401
60	-9,953	564159,881	4133193,013	518,031	400
70	-10,933	564162,761	4133183,386	518,011	402
70	-10,453	564162,290	4133183,294	517,531	401
70	-9,953	564161,799	4133183,198	518,031	400
80	-10,934	564164,680	4133173,572	518,011	402
80	-10,453	564164,208	4133173,480	517,531	401
80	-9,953	564163,717	4133173,384	518,031	400
90	-10,934	564166,597	4133163,758	518,011	402
90	-10,453	564166,125	4133163,665	517,531	401
90	-9,953	564165,635	4133163,570	518,031	400
100	-10,934	564168,515	4133153,943	518,011	402
100	-10,453	564168,043	4133153,851	517,531	401
100	-9,953	564167,552	4133153,755	518,031	400
110	-10,933	564170,432	4133144,129	518,011	402
110	-10,453	564169,961	4133144,037	517,531	401
110	-9,953	564169,470	4133143,941	518,031	400
120	-10,933	564172,350	4133134,314	518,011	402
120	-10,453	564171,879	4133134,222	517,531	401
120	-9,953	564171,388	4133134,126	518,031	400
130	-10,963	564174,252	4133123,846	518,006	402
130	-10,474	564173,767	4133123,781	517,517	401
130	-9,974	564173,272	4133123,714	518,017	400
135	-10,961	564174,845	4133118,259	518,006	402
135	-10,473	564174,358	4133118,221	517,518	401
135	-9,973	564173,860	4133118,182	518,018	400
140	-10,959	564175,122	4133112,647	518,007	402

140	-10,471	564174,634	4133112,637	517,519	401
140	-9,971	564174,135	4133112,626	518,019	400
145	-10,956	564175,081	4133107,029	518,007	402
145	-10,469	564174,594	4133107,046	517,521	401
145	-9,969	564174,095	4133107,064	518,021	400
150	-10,953	564174,722	4133101,422	518,008	402
150	-10,467	564174,238	4133101,467	517,522	401
150	-9,967	564173,741	4133101,513	518,022	400
155	-10,95	564174,047	4133095,845	518,009	402
155	-10,465	564173,568	4133095,917	517,524	401
155	-9,965	564173,073	4133095,991	518,024	400
160	-10,946	564173,058	4133090,315	518,009	402
160	-10,462	564172,585	4133090,414	517,525	401
160	-9,962	564172,095	4133090,515	518,025	400
165	-10,942	564171,759	4133084,850	518,010	402
165	-10,46	564171,293	4133084,975	517,526	401
165	-9,96	564170,810	4133085,104	518,026	400
170	-10,939	564170,153	4133079,467	518,010	402
170	-10,458	564169,696	4133079,617	517,528	401
170	-9,958	564169,221	4133079,773	518,028	400
175	-10,935	564168,245	4133074,184	518,011	402
175	-10,454	564167,797	4133074,360	517,530	401
175	-9,954	564167,332	4133074,542	518,030	400
176,05	-10,934	564167,809	4133073,094	518,011	402
176,05	-10,453	564167,363	4133073,275	517,531	401
176,05	-9,953	564166,900	4133073,463	518,031	400
180	-10,934	564166,320	4133069,430	518,011	402
180	-10,454	564165,875	4133069,610	517,531	401
180	-9,954	564165,412	4133069,799	518,031	400
190	-10,933	564162,556	4133060,165	518,011	402
190	-10,453	564162,111	4133060,346	517,532	401
190	-9,953	564161,648	4133060,534	518,032	400
200	-10,933	564158,792	4133050,901	518,012	402
200	-10,452	564158,346	4133051,082	517,532	401
200	-9,952	564157,883	4133051,270	518,032	400
210	-10,397	564154,531	4133041,838	518,199	402
210	-10,018	564154,181	4133041,980	517,822	401
210	-9,518	564153,717	4133042,168	518,322	400
220	-9,86	564150,271	4133032,775	518,387	402
220	-9,584	564150,015	4133032,879	518,111	401
220	-9,084	564149,552	4133033,067	518,611	400
228,85	-4,883	564142,330	4133026,452	521,667	402
228,85	-4,63	564142,096	4133026,547	521,413	401
228,85	-4,13	564141,632	4133026,736	521,913	400
228,85	-4,883	564142,330	4133026,452	521,667	402
228,85	-4,63	564142,096	4133026,547	521,413	401
228,85	-4,13	564141,632	4133026,736	521,913	400

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LISTADO EJE EN PLANTA

Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Parametro	Longitud
Rec	0	563830,8	4133283,93	88,766295	0	0	5
Rec	5	563835,723	4133284,81	88,766295	0	0	5
Rec	10	563840,645	4133285,69	88,766295	0	0	5
Rec	15	563845,567	4133286,57	88,766295	0	0	5
Rec	20	563850,49	4133287,45	88,766295	0	0	5
Rec	25	563855,412	4133288,32	88,766295	0	0	5
Rec	30	563860,335	4133289,2	88,766295	0	0	5
Rec	35	563865,257	4133290,08	88,766295	0	0	5
Rec	40	563870,179	4133290,96	88,766295	0	0	5
Rec	45	563875,102	4133291,83	88,766295	0	0	5
Rec	50	563880,024	4133292,71	88,766295	0	0	5
Rec	55	563884,946	4133293,59	88,766295	0	0	5
Rec	60	563889,869	4133294,47	88,766295	0	0	5
Rec	65	563894,791	4133295,35	88,766295	0	0	5
Rec	70	563899,713	4133296,22	88,766295	0	0	5
Cur	75	563904,667	4133296,88	94,723306	50	0	5
Cur	80	563909,663	4133297,05	101,089503	50	0	5
Cur	85	563914,649	4133296,71	107,455701	50	0	5
Cur	90	563919,578	4133295,88	113,821899	50	0	5
Cur	95	563924,398	4133294,56	120,188097	50	0	5
Cur	100	563929,063	4133292,77	126,554294	50	0	5
Rec	105	563933,584	4133290,63	128,350639	0	0	5
Rec	110	563938,096	4133288,48	128,350639	0	0	5
Rec	115	563942,609	4133286,33	128,350639	0	0	5
Rec	120	563947,121	4133284,17	128,350639	0	0	5
Rec	125	563951,633	4133282,02	128,350639	0	0	5
Rec	130	563956,146	4133279,86	128,350639	0	0	5
Rec	135	563960,658	4133277,71	128,350639	0	0	5
Rec	140	563965,17	4133275,56	128,350639	0	0	5
Rec	145	563969,683	4133273,4	128,350639	0	0	5
Rec	150	563974,195	4133271,25	128,350639	0	0	5
Rec	155	563978,707	4133269,1	128,350639	0	0	5
Rec	160	563983,22	4133266,94	128,350639	0	0	5
Rec	165	563987,732	4133264,79	128,350639	0	0	5
Rec	170	563992,244	4133262,63	128,350639	0	0	5
Rec	175	563996,757	4133260,48	128,350639	0	0	5
Rec	180	564001,269	4133258,33	128,350639	0	0	5
Rec	185	564005,781	4133256,17	128,350639	0	0	5
Rec	190	564010,294	4133254,02	128,350639	0	0	5
Cur	195	564014,896	4133252,07	122,314774	-50	0	5
Cur	200	564019,67	4133250,59	115,948577	-50	0	5
Cur	205	564024,568	4133249,6	109,582379	-50	0	5
Cur	210	564029,541	4133249,09	103,216181	-50	0	5
Rec	215	564034,539	4133249,09	97,79375	0	0	5
Rec	220	564039,536	4133249,26	97,79375	0	0	5
Rec	225	564044,533	4133249,43	97,79375	0	0	5
Rec	230	564049,53	4133249,61	97,79375	0	0	5
Rec	235	564054,527	4133249,78	97,79375	0	0	5
Rec	240	564059,524	4133249,95	97,79375	0	0	5
Rec	245	564064,521	4133250,13	97,79375	0	0	5
Rec	250	564069,518	4133250,3	97,79375	0	0	5
Rec	255	564074,515	4133250,47	97,79375	0	0	5
Rec	260	564079,512	4133250,65	97,79375	0	0	5
Cur	265	564084,509	4133250,81	98,673863	50	0	5
Cur	270	564089,505	4133250,67	105,040061	50	0	5

Cur	275	564094,461	4133250,02	111,406259	50	0	5
Cur	280	564099,328	4133248,89	117,772456	50	0	5
Cur	285	564104,058	4133247,27	124,138654	50	0	5
Cur	290	564108,603	4133245,19	130,504852	50	0	5
Cur	295	564112,917	4133242,67	136,871049	50	0	5
Cur	300	564116,958	4133239,73	143,237247	50	0	5
Cur	305	564120,685	4133236,4	149,603445	50	0	5
Cur	310	564124,061	4133232,71	155,969643	50	0	5
Cur	315	564127,052	4133228,71	162,33584	50	0	5
Cur	320	564129,629	4133224,43	168,702038	50	0	5
Cur	325	564131,765	4133219,91	175,068236	50	0	5
Cur	330	564133,439	4133215,2	181,434433	50	0	5
Rec	335	564134,635	4133210,35	187,714939	0	0	5
Rec	340	564135,594	4133205,44	187,714939	0	0	5
Rec	345	564136,553	4133200,53	187,714939	0	0	5
Rec	350	564137,512	4133195,63	187,714939	0	0	5
Rec	355	564138,471	4133190,72	187,714939	0	0	5
Rec	360	564139,43	4133185,81	187,714939	0	0	5
Rec	365	564140,389	4133180,9	187,714939	0	0	5
Rec	370	564141,348	4133176	187,714939	0	0	5
Rec	375	564142,306	4133171,09	187,714939	0	0	5
Rec	380	564143,265	4133166,18	187,714939	0	0	5
Rec	385	564144,224	4133161,28	187,714939	0	0	5
Rec	390	564145,183	4133156,37	187,714939	0	0	5
Rec	395	564146,142	4133151,46	187,714939	0	0	5
Rec	400	564147,101	4133146,55	187,714939	0	0	5
Rec	405	564148,06	4133141,65	187,714939	0	0	5
Rec	410	564149,019	4133136,74	187,714939	0	0	5
Rec	415	564149,978	4133131,83	187,714939	0	0	5
Rec	420	564150,936	4133126,93	187,714939	0	0	5
Cur	425	564151,825	4133122,01	190,467238	77	0	5
Cur	430	564152,409	4133117,04	194,601132	77	0	5
Cur	435	564152,671	4133112,05	198,735027	77	0	5
Cur	440	564152,608	4133107,05	202,868922	77	0	5
Cur	445	564152,221	4133102,07	207,002816	77	0	5
Cur	450	564151,511	4133097,12	211,136711	77	0	5
Cur	455	564150,482	4133092,22	215,270606	77	0	5
Cur	460	564149,137	4133087,41	219,4045	77	0	5
Cur	465	564147,483	4133082,69	223,538395	77	0	5
Rec	470	564145,61	4133078,06	224,565271	0	0	5
Rec	475	564143,728	4133073,42	224,565271	0	0	5
Rec	480	564141,846	4133068,79	224,565271	0	0	5
Rec	485	564139,965	4133064,16	224,565271	0	0	5
Rec	490	564138,083	4133059,53	224,565271	0	0	5
Rec	495	564136,201	4133054,89	224,565271	0	0	5
Rec	500	564134,319	4133050,26	224,565271	0	0	5
Rec	505	564132,437	4133045,63	224,565271	0	0	5
Rec	510	564130,555	4133041	224,565271	0	0	5
Rec	515	564128,674	4133036,37	224,565271	0	0	5
Rec	520	564126,792	4133031,73	224,565271	0	0	5
Rec	525	564124,91	4133027,1	224,565271	0	0	5
Rec	530	564123,028	4133022,47	224,565271	0	0	5
Rec	535	564121,146	4133017,84	224,565271	0	0	5
Rec	540	564119,264	4133013,2	224,565271	0	0	5
Rec	545	564117,383	4133008,57	224,565271	0	0	5
Rec	550	564115,501	4133003,94	224,565271	0	0	5
Rec	555	564113,619	4132999,31	224,565271	0	0	5
Rec	557,15	564112,812	4132997,32	224,565271	0	0	2,145

LISTADO DE EJE EN ALZADO

Tipo	P.K.	Coord. X	Coord. Y	Diseño de elevación	Elevación existente	Diferencia de elevación
Rec	0	563830,800	4133283,934	528,000	528,000	0,000
Rec	5	563835,723	4133284,812	528,000	526,009	-1,991
Rec	10	563840,645	4133285,690	528,000	525,867	-2,133
Rec	15	563845,567	4133286,567	528,000	525,806	-2,194
Rec	20	563850,490	4133287,445	528,000	525,757	-2,243
Rec	25	563855,412	4133288,323	528,000	525,706	-2,294
Rec	30	563860,335	4133289,201	528,000	525,665	-2,335
Rec	35	563865,257	4133290,078	528,000	525,606	-2,394
Rec	40	563870,179	4133290,956	528,000	525,572	-2,428
Rec	45	563875,102	4133291,834	528,000	525,506	-2,494
Rec	50	563880,024	4133292,711	528,000	525,456	-2,544
Rec	55	563884,946	4133293,589	528,000	525,406	-2,594
Rec	60	563889,869	4133294,467	528,000	525,356	-2,644
Rec	65	563894,791	4133295,345	528,000	525,306	-2,694
Rec	70	563899,713	4133296,222	528,000	525,256	-2,744
Cur	75	563904,667	4133296,884	528,000	525,206	-2,794
Cur	80	563909,663	4133297,048	528,000	525,157	-2,843
Cur	85	563914,649	4133296,713	528,000	525,110	-2,891
Cur	90	563919,578	4133295,881	528,000	525,062	-2,938
Cur	95	563924,398	4133294,562	528,000	525,019	-2,982
Cur	100	563929,063	4133292,768	528,000	524,975	-3,025
Rec	105	563933,584	4133290,633	528,000	524,934	-3,066
Rec	110	563938,096	4133288,479	528,000	524,894	-3,106
Rec	115	563942,609	4133286,325	528,000	524,854	-3,146
Rec	120	563947,121	4133284,171	528,000	524,814	-3,186
Rec	125	563951,633	4133282,017	528,000	524,774	-3,227
Rec	130	563956,146	4133279,864	528,000	524,733	-3,267
Rec	135	563960,658	4133277,710	528,000	524,693	-3,307
Rec	140	563965,170	4133275,556	528,000	524,653	-3,347
Rec	145	563969,683	4133273,402	528,000	524,613	-3,387
Rec	150	563974,195	4133271,249	528,000	524,573	-3,427
Rec	155	563978,707	4133269,095	528,000	524,533	-3,467
Rec	160	563983,220	4133266,941	528,000	524,487	-3,513
Rec	165	563987,732	4133264,787	528,000	524,453	-3,547
Rec	170	563992,244	4133262,633	528,000	524,410	-3,590
Rec	175	563996,757	4133260,480	528,000	524,370	-3,631
Rec	180	564001,269	4133258,326	528,000	524,329	-3,671
Rec	185	564005,781	4133256,172	528,000	524,288	-3,712
Rec	190	564010,294	4133254,018	528,000	524,247	-3,753
Cur	195	564014,896	4133252,070	528,000	524,204	-3,796
Cur	200	564019,670	4133250,591	528,000	524,161	-3,839
Cur	205	564024,568	4133249,595	528,000	524,110	-3,890
Cur	210	564029,541	4133249,094	528,000	524,053	-3,947
Rec	215	564034,539	4133249,086	528,000	524,005	-3,995
Rec	220	564039,536	4133249,259	528,000	523,955	-4,045
Rec	225	564044,533	4133249,432	528,000	523,907	-4,093
Rec	230	564049,530	4133249,605	528,000	523,866	-4,134
Rec	235	564054,527	4133249,779	528,000	523,824	-4,176
Rec	240	564059,524	4133249,952	528,000	523,776	-4,224
Rec	245	564064,521	4133250,125	528,000	523,726	-4,274
Rec	250	564069,518	4133250,298	528,000	523,677	-4,323
Rec	255	564074,515	4133250,472	528,000	523,628	-4,372
Rec	260	564079,512	4133250,645	528,000	523,579	-4,421
Cur	265	564084,509	4133250,813	528,000	523,529	-4,471
Cur	270	564089,505	4133250,668	528,000	523,481	-4,519

Cur	275	564094,461	4133250,024	528,000	523,435	-4,566
Cur	280	564099,328	4133248,888	528,000	523,388	-4,612
Cur	285	564104,058	4133247,273	528,000	523,346	-4,654
Cur	290	564108,603	4133245,193	528,000	523,304	-4,696
Cur	295	564112,917	4133242,670	528,000	523,268	-4,732
Cur	300	564116,958	4133239,729	528,000	523,232	-4,768
Cur	305	564120,685	4133236,399	528,000	523,123	-4,877
Cur	310	564124,061	4133232,714	528,000	523,176	-4,824
Cur	315	564127,052	4133228,710	528,000	523,147	-4,853
Cur	320	564129,629	4133224,427	528,000	523,148	-4,852
Cur	325	564131,765	4133219,909	528,000	523,136	-4,864
Cur	330	564133,439	4133215,200	528,000	523,122	-4,878
Rec	335	564134,635	4133210,347	528,000	523,135	-4,865
Rec	340	564135,594	4133205,440	528,000	523,115	-4,885
Rec	345	564136,553	4133200,533	528,000	523,105	-4,895
Rec	350	564137,512	4133195,625	528,000	523,115	-4,885
Rec	355	564138,471	4133190,718	528,000	523,097	-4,903
Rec	360	564139,430	4133185,811	528,000	523,115	-4,885
Rec	365	564140,389	4133180,904	528,000	523,115	-4,885
Rec	370	564141,348	4133175,997	528,000	523,115	-4,885
Rec	375	564142,306	4133171,089	528,000	523,115	-4,885
Rec	380	564143,265	4133166,182	528,000	523,115	-4,885
Rec	385	564144,224	4133161,275	528,000	523,115	-4,885
Rec	390	564145,183	4133156,368	528,000	523,115	-4,885
Rec	395	564146,142	4133151,461	528,000	523,115	-4,885
Rec	400	564147,101	4133146,553	528,000	523,115	-4,885
Rec	405	564148,060	4133141,646	528,000	523,112	-4,888
Rec	410	564149,019	4133136,739	528,000	523,107	-4,893
Rec	415	564149,978	4133131,832	528,000	523,101	-4,899
Rec	420	564150,936	4133126,925	528,000	523,096	-4,904
Cur	425	564151,825	4133122,005	528,000	523,099	-4,901
Cur	430	564152,409	4133117,040	528,000	523,069	-4,931
Cur	435	564152,671	4133112,048	528,000	523,056	-4,944
Cur	440	564152,608	4133107,049	528,000	523,052	-4,948
Cur	445	564152,221	4133102,065	528,000	523,056	-4,944
Cur	450	564151,511	4133097,116	528,000	523,061	-4,939
Cur	455	564150,482	4133092,224	528,000	523,067	-4,933
Cur	460	564149,137	4133087,410	528,000	523,074	-4,926
Cur	465	564147,483	4133082,692	528,000	523,081	-4,919
Rec	470	564145,610	4133078,056	528,000	523,089	-4,911
Rec	475	564143,728	4133073,424	528,000	523,097	-4,903
Rec	480	564141,846	4133068,791	528,000	523,104	-4,896
Rec	485	564139,965	4133064,159	528,000	523,110	-4,890
Rec	490	564138,083	4133059,527	528,000	523,113	-4,887
Rec	495	564136,201	4133054,894	528,000	523,113	-4,887
Rec	500	564134,319	4133050,262	528,000	523,113	-4,887
Rec	505	564132,437	4133045,629	528,000	523,113	-4,887
Rec	510	564130,555	4133040,997	528,000	523,113	-4,887
Rec	515	564128,674	4133036,365	528,000	523,118	-4,882
Rec	520	564126,792	4133031,732	528,000	523,829	-4,171
Rec	525	564124,910	4133027,100	528,000	524,771	-3,229
Rec	530	564123,028	4133022,468	528,000	525,863	-2,137
Rec	535	564121,146	4133017,835	528,000	526,511	-1,489
Rec	540	564119,264	4133013,203	528,000	526,854	-1,146
Rec	545	564117,383	4133008,571	528,000	527,170	-0,830
Rec	550	564115,501	4133003,938	528,000	527,452	-0,548
Rec	555	564113,619	4132999,306	528,000	527,814	-0,186
Rec	557,15	564112,812	4132997,319	528,000	528,000	0,000

LISTADO DE REPLANTEO PLATAFORMA

P.K.	RET	Coord. X	Coord. Y	Coord. Z	Código
0	-2,5	563830,362	4133286,395	528,000	Carril 1
0	0	563830,800	4133283,934	528,000	Eje
0	2,5	563831,239	4133281,473	528,000	Carril 1
10	-2,5	563840,206	4133288,151	528,000	Carril 1
10	0	563840,645	4133285,690	528,000	Eje
10	2,5	563841,084	4133283,229	528,000	Carril 1
20	-2,5	563850,051	4133289,906	528,000	Carril 1
20	0	563850,490	4133287,445	528,000	Eje
20	2,5	563850,929	4133284,984	528,000	Carril 1
30	-2,5	563859,896	4133291,662	528,000	Carril 1
30	0	563860,335	4133289,201	528,000	Eje
30	2,5	563860,773	4133286,739	528,000	Carril 1
40	-2,5	563869,740	4133293,417	528,000	Carril 1
40	0	563870,179	4133290,956	528,000	Eje
40	2,5	563870,618	4133288,495	528,000	Carril 1
50	-2,5	563879,585	4133295,173	528,000	Carril 1
50	0	563880,024	4133292,711	528,000	Eje
50	2,5	563880,463	4133290,250	528,000	Carril 1
60	-2,5	563889,430	4133296,928	528,000	Carril 1
60	0	563889,869	4133294,467	528,000	Eje
60	2,5	563890,308	4133292,006	528,000	Carril 1
70	-2,5	563899,275	4133298,684	528,000	Carril 1
70	0	563899,713	4133296,222	528,000	Eje
70	2,5	563900,152	4133293,761	528,000	Carril 1
70,321	-2,5	563899,591	4133298,740	528,000	Carril 1
70,321	0	563900,030	4133296,279	528,000	Eje
70,321	2,5	563900,469	4133293,818	528,000	Carril 1
75	-2,5	563904,460	4133299,375	528,000	Carril 1
75	0	563904,667	4133296,884	528,000	Eje
75	2,5	563904,874	4133294,392	528,000	Carril 1
80	-2,5	563909,705	4133299,548	528,000	Carril 1
80	0	563909,663	4133297,048	528,000	Eje
80	2,5	563909,620	4133294,548	528,000	Carril 1
85	-2,5	563914,941	4133299,196	528,000	Carril 1
85	0	563914,649	4133296,713	528,000	Eje
85	2,5	563914,357	4133294,230	528,000	Carril 1
90	-2,5	563920,116	4133298,323	528,000	Carril 1
90	0	563919,578	4133295,881	528,000	Eje
90	2,5	563919,039	4133293,440	528,000	Carril 1
95	-2,5	563925,178	4133296,938	528,000	Carril 1
95	0	563924,398	4133294,562	528,000	Eje
95	2,5	563923,619	4133292,187	528,000	Carril 1
100	-2,5	563930,076	4133295,054	528,000	Carril 1
100	0	563929,063	4133292,768	528,000	Eje
100	2,5	563928,050	4133290,483	528,000	Carril 1
101,41	-2,5	563931,422	4133294,435	528,000	Carril 1
101,41	0	563930,345	4133292,179	528,000	Eje
101,41	2,5	563929,268	4133289,922	528,000	Carril 1
110	-2,5	563939,173	4133290,735	528,000	Carril 1
110	0	563938,096	4133288,479	528,000	Eje
110	2,5	563937,019	4133286,223	528,000	Carril 1
120	-2,5	563948,198	4133286,427	528,000	Carril 1
120	0	563947,121	4133284,171	528,000	Eje
120	2,5	563946,044	4133281,915	528,000	Carril 1
130	-2,5	563957,223	4133282,120	528,000	Carril 1
130	0	563956,146	4133279,864	528,000	Eje

130	2,5	563955,069	4133277,607	528,000	Carril 1
140	-2,5	563966,247	4133277,812	528,000	Carril 1
140	0	563965,170	4133275,556	528,000	Eje
140	2,5	563964,093	4133273,300	528,000	Carril 1
150	-2,5	563975,272	4133273,505	528,000	Carril 1
150	0	563974,195	4133271,249	528,000	Eje
150	2,5	563973,118	4133268,992	528,000	Carril 1
160	-2,5	563984,297	4133269,197	528,000	Carril 1
160	0	563983,220	4133266,941	528,000	Eje
160	2,5	563982,143	4133264,685	528,000	Carril 1
170	-2,5	563993,321	4133264,890	528,000	Carril 1
170	0	563992,244	4133262,633	528,000	Eje
170	2,5	563991,167	4133260,377	528,000	Carril 1
180	-2,5	564002,346	4133260,582	528,000	Carril 1
180	0	564001,269	4133258,326	528,000	Eje
180	2,5	564000,192	4133256,070	528,000	Carril 1
190	-2,5	564011,371	4133256,274	528,000	Carril 1
190	0	564010,294	4133254,018	528,000	Eje
190	2,5	564009,217	4133251,762	528,000	Carril 1
190,26	-2,5	564011,605	4133256,163	528,000	Carril 1
190,26	0	564010,528	4133253,907	528,000	Eje
190,26	2,5	564009,451	4133251,650	528,000	Carril 1
195	-2,5	564015,755	4133254,418	528,000	Carril 1
195	0	564014,896	4133252,070	528,000	Eje
195	2,5	564014,038	4133249,722	528,000	Carril 1
200	-2,5	564020,290	4133253,013	528,000	Carril 1
200	0	564019,670	4133250,591	528,000	Eje
200	2,5	564019,051	4133248,169	528,000	Carril 1
205	-2,5	564024,943	4133252,067	528,000	Carril 1
205	0	564024,568	4133249,595	528,000	Eje
205	2,5	564024,193	4133247,124	528,000	Carril 1
210	-2,5	564029,667	4133251,591	528,000	Carril 1
210	0	564029,541	4133249,094	528,000	Eje
210	2,5	564029,415	4133246,597	528,000	Carril 1
214,26	-2,5	564033,711	4133251,558	528,000	Carril 1
214,26	0	564033,798	4133249,060	528,000	Eje
214,26	2,5	564033,885	4133246,561	528,000	Carril 1
220	-2,5	564039,449	4133251,757	528,000	Carril 1
220	0	564039,536	4133249,259	528,000	Eje
220	2,5	564039,623	4133246,760	528,000	Carril 1
230	-2,5	564049,443	4133252,104	528,000	Carril 1
230	0	564049,530	4133249,605	528,000	Eje
230	2,5	564049,617	4133247,107	528,000	Carril 1
240	-2,5	564059,437	4133252,450	528,000	Carril 1
240	0	564059,524	4133249,952	528,000	Eje
240	2,5	564059,611	4133247,453	528,000	Carril 1
250	-2,5	564069,431	4133252,797	528,000	Carril 1
250	0	564069,518	4133250,298	528,000	Eje
250	2,5	564069,604	4133247,800	528,000	Carril 1
260	-2,5	564079,425	4133253,143	528,000	Carril 1
260	0	564079,512	4133250,645	528,000	Eje
260	2,5	564079,598	4133248,146	528,000	Carril 1
264,31	-2,5	564083,731	4133253,293	528,000	Carril 1
264,31	0	564083,818	4133250,794	528,000	Eje
264,31	2,5	564083,905	4133248,296	528,000	Carril 1
265	-2,5	564084,457	4133253,313	528,000	Carril 1
265	0	564084,509	4133250,813	528,000	Eje
265	2,5	564084,561	4133248,314	528,000	Carril 1
270	-2,5	564089,703	4133253,160	528,000	Carril 1
270	0	564089,505	4133250,668	528,000	Eje

270	2,5	564089,307	4133248,175	528,000	Carril 1
275	-2,5	564094,907	4133252,484	528,000	Carril 1
275	0	564094,461	4133250,024	528,000	Eje
275	2,5	564094,016	4133247,564	528,000	Carril 1
280	-2,5	564100,017	4133251,292	528,000	Carril 1
280	0	564099,328	4133248,888	528,000	Eje
280	2,5	564098,639	4133246,485	528,000	Carril 1
285	-2,5	564104,983	4133249,595	528,000	Carril 1
285	0	564104,058	4133247,273	528,000	Eje
285	2,5	564103,133	4133244,950	528,000	Carril 1
290	-2,5	564109,755	4133247,412	528,000	Carril 1
290	0	564108,603	4133245,193	528,000	Eje
290	2,5	564107,450	4133242,975	528,000	Carril 1
295	-2,5	564114,285	4133244,762	528,000	Carril 1
295	0	564112,917	4133242,670	528,000	Eje
295	2,5	564111,549	4133240,578	528,000	Carril 1
300	-2,5	564118,528	4133241,674	528,000	Carril 1
300	0	564116,958	4133239,729	528,000	Eje
300	2,5	564115,387	4133237,784	528,000	Carril 1
305	-2,5	564122,442	4133238,178	528,000	Carril 1
305	0	564120,685	4133236,399	528,000	Eje
305	2,5	564118,928	4133234,620	528,000	Carril 1
310	-2,5	564125,986	4133234,308	528,000	Carril 1
310	0	564124,061	4133232,714	528,000	Eje
310	2,5	564122,135	4133231,119	528,000	Carril 1
315	-2,5	564129,127	4133230,104	528,000	Carril 1
315	0	564127,052	4133228,710	528,000	Eje
315	2,5	564124,977	4133227,315	528,000	Carril 1
320	-2,5	564131,833	4133225,607	528,000	Carril 1
320	0	564129,629	4133224,427	528,000	Eje
320	2,5	564127,425	4133223,247	528,000	Carril 1
325	-2,5	564134,076	4133220,863	528,000	Carril 1
325	0	564131,765	4133219,909	528,000	Eje
325	2,5	564129,454	4133218,955	528,000	Carril 1
330	-2,5	564135,834	4133215,918	528,000	Carril 1
330	0	564133,439	4133215,200	528,000	Eje
330	2,5	564131,045	4133214,481	528,000	Carril 1
334,93	-2,5	564137,076	4133210,892	528,000	Carril 1
334,93	0	564134,622	4133210,413	528,000	Eje
334,93	2,5	564132,169	4133209,934	528,000	Carril 1
340	-2,5	564138,048	4133205,919	528,000	Carril 1
340	0	564135,594	4133205,440	528,000	Eje
340	2,5	564133,141	4133204,960	528,000	Carril 1
350	-2,5	564139,966	4133196,105	528,000	Carril 1
350	0	564137,512	4133195,625	528,000	Eje
350	2,5	564135,058	4133195,146	528,000	Carril 1
360	-2,5	564141,883	4133186,290	528,000	Carril 1
360	0	564139,430	4133185,811	528,000	Eje
360	2,5	564136,976	4133185,332	528,000	Carril 1
370	-2,5	564143,801	4133176,476	528,000	Carril 1
370	0	564141,348	4133175,997	528,000	Eje
370	2,5	564138,894	4133175,517	528,000	Carril 1
380	-2,5	564145,719	4133166,662	528,000	Carril 1
380	0	564143,265	4133166,182	528,000	Eje
380	2,5	564140,812	4133165,703	528,000	Carril 1
390	-2,5	564147,637	4133156,847	528,000	Carril 1
390	0	564145,183	4133156,368	528,000	Eje
390	2,5	564142,729	4133155,888	528,000	Carril 1
400	-2,5	564149,554	4133147,033	528,000	Carril 1
400	0	564147,101	4133146,553	528,000	Eje

400	2,5	564144,647	4133146,074	528,000	Carril 1
410	-2,5	564151,472	4133137,219	528,000	Carril 1
410	0	564149,019	4133136,739	528,000	Eje
410	2,5	564146,565	4133136,260	528,000	Carril 1
420	-2,5	564153,390	4133127,404	528,000	Carril 1
420	0	564150,936	4133126,925	528,000	Eje
420	2,5	564148,483	4133126,445	528,000	Carril 1
421,67	-2,5	564153,710	4133125,764	528,000	Carril 1
421,67	0	564151,257	4133125,285	528,000	Eje
421,67	2,5	564148,803	4133124,805	528,000	Carril 1
425	-2,5	564154,297	4133122,378	528,000	Carril 1
425	0	564151,825	4133122,005	528,000	Eje
425	2,5	564149,352	4133121,632	528,000	Carril 1
430	-2,5	564154,900	4133117,252	528,000	Carril 1
430	0	564152,409	4133117,040	528,000	Eje
430	2,5	564149,918	4133116,828	528,000	Carril 1
435	-2,5	564155,170	4133112,097	528,000	Carril 1
435	0	564152,671	4133112,048	528,000	Eje
435	2,5	564150,171	4133111,998	528,000	Carril 1
440	-2,5	564155,105	4133106,936	528,000	Carril 1
440	0	564152,608	4133107,049	528,000	Eje
440	2,5	564150,111	4133107,162	528,000	Carril 1
445	-2,5	564154,706	4133101,790	528,000	Carril 1
445	0	564152,221	4133102,065	528,000	Eje
445	2,5	564149,736	4133102,339	528,000	Carril 1
450	-2,5	564153,973	4133096,681	528,000	Carril 1
450	0	564151,511	4133097,116	528,000	Eje
450	2,5	564149,049	4133097,551	528,000	Carril 1
455	-2,5	564152,910	4133091,630	528,000	Carril 1
455	0	564150,482	4133092,224	528,000	Eje
455	2,5	564148,053	4133092,818	528,000	Carril 1
460	-2,5	564151,522	4133086,659	528,000	Carril 1
460	0	564149,137	4133087,410	528,000	Eje
460	2,5	564146,752	4133088,160	528,000	Carril 1
465	-2,5	564149,814	4133081,789	528,000	Carril 1
465	0	564147,483	4133082,692	528,000	Eje
465	2,5	564145,152	4133083,595	528,000	Carril 1
466,24	-2,5	564149,341	4133080,597	528,000	Carril 1
466,24	0	564147,024	4133081,538	528,000	Eje
466,24	2,5	564144,708	4133082,479	528,000	Carril 1
470	-2,5	564147,926	4133077,115	528,000	Carril 1
470	0	564145,610	4133078,056	528,000	Eje
470	2,5	564143,294	4133078,997	528,000	Carril 1
480	-2,5	564144,163	4133067,850	528,000	Carril 1
480	0	564141,846	4133068,791	528,000	Eje
480	2,5	564139,530	4133069,732	528,000	Carril 1
490	-2,5	564140,399	4133058,586	528,000	Carril 1
490	0	564138,083	4133059,527	528,000	Eje
490	2,5	564135,767	4133060,467	528,000	Carril 1
500	-2,5	564136,635	4133049,321	528,000	Carril 1
500	0	564134,319	4133050,262	528,000	Eje
500	2,5	564132,003	4133051,203	528,000	Carril 1
510	-2,5	564132,872	4133040,056	528,000	Carril 1
510	0	564130,555	4133040,997	528,000	Eje
510	2,5	564128,239	4133041,938	528,000	Carril 1
520	-2,5	564129,108	4133030,792	528,000	Carril 1
520	0	564126,792	4133031,732	528,000	Eje
520	2,5	564124,476	4133032,673	528,000	Carril 1
530	-2,5	564125,344	4133021,527	528,000	Carril 1
530	0	564123,028	4133022,468	528,000	Eje
530	2,5	564120,712	4133023,409	528,000	Carril 1
540	-2,5	564121,581	4133012,262	528,000	Carril 1
540	0	564119,264	4133013,203	528,000	Eje
540	2,5	564116,948	4133014,144	528,000	Carril 1
550	-2,5	564117,817	4133002,997	528,000	Carril 1
550	0	564115,501	4133003,938	528,000	Eje
550	2,5	564113,185	4133004,879	528,000	Carril 1
557,15	-2,5	564115,128	4132996,378	528,000	Carril 1
557,15	0	564112,812	4132997,319	528,000	Eje
557,15	2,5	564110,495	4132998,259	528,000	Carril 1

LISTADO DE REPLANTEO TALUDES

P.K.	RET	Coord. X	Coord. Y	Coord. Z	Código
0	-4,446	563830,020	4133288,311	526,703	CPT
0	2,842	563831,299	4133281,136	528,228	CPT
10	-5,156	563839,740	4133290,766	526,229	CPT
10	3,793	563841,311	4133281,956	526,992	CPT
20	-5,867	563849,460	4133293,221	525,755	CPT
20	4,743	563851,322	4133282,776	525,757	CPT
30	-6,017	563859,278	4133295,124	525,655	CPT
30	4,843	563861,185	4133284,433	525,657	CPT
40	-6,167	563869,097	4133297,027	525,555	CPT
40	4,943	563871,047	4133286,090	525,557	CPT
50	-6,317	563878,915	4133298,931	525,455	CPT
50	5,043	563880,909	4133287,747	525,457	CPT
60	-6,468	563888,733	4133300,834	525,354	CPT
60	5,143	563890,771	4133289,404	525,357	CPT
70	-6,618	563898,552	4133302,738	525,254	CPT
70	5,242	563900,634	4133291,062	525,258	CPT
70,321	-6,623	563898,867	4133302,799	525,251	CPT
70,321	5,245	563900,951	4133291,115	525,255	CPT
75	-6,72	563904,111	4133303,581	525,186	CPT
75	5,288	563905,105	4133291,614	525,212	CPT
80	-6,824	563909,779	4133303,871	525,117	CPT
80	5,333	563909,571	4133291,716	525,167	CPT
85	-6,884	563915,454	4133303,550	525,077	CPT
85	5,375	563914,021	4133291,375	525,125	CPT
90	-6,944	563921,073	4133302,662	525,037	CPT
90	5,417	563918,411	4133290,592	525,083	CPT
95	-7,021	563926,588	4133301,234	524,986	CPT
95	5,455	563922,697	4133289,379	525,044	CPT
100	-7,099	563931,939	4133299,259	524,934	CPT
100	5,494	563926,837	4133287,745	525,006	CPT
101,411	-7,119	563933,411	4133298,603	524,921	CPT
101,411	5,504	563927,974	4133287,211	524,996	CPT
110	-7,223	563941,208	4133294,998	524,851	CPT
110	5,572	563935,696	4133283,450	524,928	CPT
120	-7,345	563950,285	4133290,800	524,770	CPT
120	5,652	563944,686	4133279,070	524,848	CPT
130	-7,466	563959,362	4133286,602	524,689	CPT
130	5,732	563953,677	4133274,691	524,768	CPT
140	-7,588	563968,439	4133282,404	524,608	CPT
140	5,812	563962,667	4133270,311	524,688	CPT
150	-7,71	563977,516	4133278,207	524,527	CPT
150	5,892	563971,657	4133265,931	524,608	CPT
160	-7,832	563986,593	4133274,009	524,446	CPT
160	5,972	563980,647	4133261,551	524,528	CPT
170	-7,951	563995,670	4133269,809	524,366	CPT
170	6,055	563989,636	4133257,169	524,446	CPT
180	-8,071	564004,746	4133265,610	524,286	CPT
180	6,137	563998,625	4133252,787	524,363	CPT
190	-8,197	564013,825	4133261,416	524,202	CPT
190	6,219	564007,615	4133248,406	524,281	CPT
190,259	-8,2	564014,060	4133261,307	524,200	CPT
190,259	6,221	564007,848	4133248,292	524,279	CPT
195	-8,252	564017,730	4133259,820	524,165	CPT
195	6,271	564012,743	4133246,180	524,229	CPT
200	-8,306	564021,729	4133258,637	524,129	CPT
200	6,324	564018,103	4133244,464	524,176	CPT

205	-8,367	564025,823	4133257,868	524,089	CPT
205	6,383	564023,611	4133243,284	524,117	CPT
210	-8,428	564029,966	4133257,511	524,048	CPT
210	6,443	564029,215	4133242,659	524,057	CPT
214,259	-8,48	564033,504	4133257,535	524,014	CPT
214,259	6,49	564034,023	4133242,574	524,010	CPT
220	-8,563	564039,239	4133257,817	523,958	CPT
220	6,527	564039,762	4133242,736	523,973	CPT
230	-8,707	564049,228	4133258,308	523,861	CPT
230	6,621	564049,759	4133242,988	523,879	CPT
240	-8,852	564059,217	4133258,799	523,765	CPT
240	6,715	564059,757	4133243,241	523,785	CPT
250	-9,003	564069,206	4133259,295	523,665	CPT
250	6,813	564069,754	4133243,490	523,688	CPT
260	-9,153	564079,195	4133259,792	523,565	CPT
260	6,91	564079,751	4133243,739	523,590	CPT
264,309	-9,218	564083,499	4133260,007	523,521	CPT
264,309	6,953	564084,059	4133243,845	523,547	CPT
265	-9,23	564084,317	4133260,041	523,513	CPT
265	6,959	564084,654	4133243,856	523,541	CPT
270	-9,317	564090,242	4133259,955	523,455	CPT
270	7,001	564088,951	4133243,688	523,499	CPT
275	-9,4	564096,136	4133259,273	523,399	CPT
275	7,04	564093,206	4133243,096	523,459	CPT
280	-9,483	564101,941	4133258,004	523,344	CPT
280	7,08	564097,377	4133242,082	523,420	CPT
285	-9,395	564107,535	4133256,000	523,403	CPT
285	7,116	564101,424	4133240,662	523,384	CPT
290	-9,307	564112,894	4133253,452	523,462	CPT
290	7,152	564105,305	4133238,847	523,348	CPT
295	-9,535	564118,136	4133250,650	523,310	CPT
295	7,182	564108,986	4133236,659	523,318	CPT
300	-9,764	564123,091	4133247,326	523,158	CPT
300	7,212	564112,428	4133234,117	523,288	CPT
305	-9,818	564127,584	4133243,385	523,122	CPT
305	7,236	564115,600	4133231,251	523,264	CPT
310	-9,872	564131,664	4133239,010	523,086	CPT
310	7,26	564118,469	4133228,083	523,240	CPT
315	-9,901	564135,270	4133234,232	523,066	CPT
315	7,277	564121,012	4133224,652	523,224	CPT
320	-9,93	564138,383	4133229,115	523,046	CPT
320	7,293	564123,200	4133220,984	523,207	CPT
325	-9,951	564140,963	4133223,707	523,033	CPT
325	7,301	564125,017	4133217,122	523,199	CPT
330	-9,972	564142,990	4133218,067	523,019	CPT
330	7,309	564126,439	4133213,098	523,191	CPT
334,933	-9,978	564144,415	4133212,327	523,015	CPT
334,933	7,312	564127,446	4133209,011	523,188	CPT
340	-9,977	564145,386	4133207,353	523,015	CPT
340	7,312	564128,418	4133204,038	523,188	CPT

350	-9,977	564147,304	4133197,539	523,015	CPT
350	7,312	564130,336	4133194,223	523,188	CPT
360	-9,977	564149,222	4133187,724	523,015	CPT
360	7,312	564132,253	4133184,409	523,188	CPT
370	-9,973	564151,135	4133177,909	523,018	CPT
370	7,312	564134,171	4133174,594	523,188	CPT
380	-9,969	564153,049	4133168,094	523,021	CPT
380	7,312	564136,089	4133164,780	523,188	CPT
390	-9,974	564154,972	4133158,281	523,017	CPT
390	7,318	564138,001	4133154,965	523,183	CPT
400	-9,979	564156,895	4133148,467	523,014	CPT
400	7,323	564139,914	4133145,149	523,177	CPT
410	-9,979	564158,812	4133138,653	523,014	CPT
410	7,334	564141,821	4133135,333	523,167	CPT
420	-9,978	564160,729	4133128,838	523,014	CPT
420	7,344	564143,729	4133125,516	523,156	CPT
421,671	-9,981	564161,053	4133127,199	523,012	CPT
421,671	7,345	564144,048	4133123,876	523,155	CPT
425	-9,985	564161,698	4133123,494	523,010	CPT
425	7,353	564144,554	4133120,908	523,147	CPT
430	-9,991	564162,365	4133117,886	523,006	CPT
430	7,364	564145,072	4133116,416	523,136	CPT
435	-9,99	564162,659	4133112,246	523,007	CPT
435	7,375	564145,297	4133111,901	523,125	CPT
440	-9,989	564162,587	4133106,599	523,008	CPT
440	7,387	564145,228	4133107,382	523,113	CPT
445	-9,987	564162,147	4133100,969	523,009	CPT
445	7,393	564144,872	4133102,876	523,107	CPT
450	-9,985	564161,344	4133095,379	523,010	CPT
450	7,399	564144,225	4133098,404	523,101	CPT
455	-9,983	564160,179	4133089,853	523,011	CPT
455	7,398	564143,296	4133093,982	523,102	CPT
460	-9,982	564158,659	4133084,414	523,012	CPT
460	7,396	564142,082	4133089,629	523,104	CPT
465	-9,979	564156,787	4133079,086	523,014	CPT
465	7,387	564140,595	4133085,362	523,113	CPT
466,242	-9,978	564156,269	4133077,782	523,015	CPT
466,242	7,385	564140,182	4133084,317	523,115	CPT
470	-9,978	564154,854	4133074,301	523,015	CPT
470	7,378	564138,775	4133080,833	523,122	CPT
480	-9,978	564151,091	4133065,036	523,015	CPT
480	7,358	564135,029	4133071,561	523,142	CPT
490	-9,978	564147,327	4133055,771	523,015	CPT
490	7,34	564131,282	4133062,289	523,160	CPT
500	-9,978	564143,563	4133046,506	523,015	CPT
500	7,322	564127,535	4133053,018	523,178	CPT
510	-9,491	564139,348	4133037,425	523,340	CPT
510	7,319	564123,775	4133043,752	523,181	CPT
520	-9,003	564135,133	4133028,344	523,664	CPT
520	7,315	564120,015	4133034,486	523,185	CPT
530	-6,831	564129,357	4133019,897	525,112	CPT
530	5,563	564117,875	4133024,561	524,938	CPT
540	-4,659	564123,581	4133011,450	526,560	CPT
540	3,81	564115,735	4133014,637	526,690	CPT
550	-3,538	564118,779	4133002,607	527,308	CPT
550	3,072	564112,655	4133005,095	527,472	CPT
557,145	-2,737	564115,347	4132996,288	527,842	CPT
557,145	2,545	564110,454	4132998,276	528,030	CPT

LISTADO DE REPLANTEO CUNETAS

P.K.	RET	Coord. X	Coord. Y	Coord. Z	Código
0	-5,105	563829,904	4133288,960	526,362	402
0	-4,946	563829,932	4133288,803	526,203	401
0	-4,446	563830,020	4133288,311	526,703	400
10	-5,986	563839,594	4133291,583	526,058	402
10	-5,656	563839,652	4133291,258	525,729	401
10	-5,156	563839,740	4133290,766	526,229	400
20	-6,867	563849,284	4133294,206	525,755	402
20	-6,367	563849,372	4133293,713	525,255	401
20	-5,867	563849,460	4133293,221	525,755	400
30	-7,017	563859,103	4133296,109	525,655	402
30	-6,517	563859,191	4133295,616	525,155	401
30	-6,017	563859,278	4133295,124	525,655	400
40	-7,167	563868,921	4133298,012	525,555	402
40	-6,667	563869,009	4133297,520	525,055	401
40	-6,167	563869,097	4133297,027	525,555	400
50	-7,317	563878,739	4133299,915	525,455	402
50	-6,817	563878,827	4133299,423	524,955	401
50	-6,317	563878,915	4133298,931	525,455	400
60	-7,468	563888,558	4133301,819	525,354	402
60	-6,968	563888,645	4133301,327	524,854	401
60	-6,468	563888,733	4133300,834	525,354	400
70	-7,617	563898,376	4133303,721	525,254	402
70	-7,118	563898,464	4133303,230	524,754	401
70	-6,618	563898,552	4133302,738	525,254	400
70,32	-7,622	563898,692	4133303,782	525,251	402
70,32	-7,123	563898,779	4133303,291	524,751	401
70,32	-6,623	563898,867	4133302,799	525,251	400
80	-7,847	563909,797	4133304,894	525,140	402
80	-7,324	563909,788	4133304,371	524,617	401
80	-6,824	563909,779	4133303,871	525,117	400
90	-7,937	563921,287	4133303,632	525,030	402
90	-7,444	563921,181	4133303,151	524,537	401
90	-6,944	563921,073	4133302,662	525,037	400
100	-8,093	563932,342	4133300,167	524,928	402
100	-7,599	563932,142	4133299,716	524,434	401
100	-7,099	563931,939	4133299,259	524,934	400
101,4	-8,113	563933,840	4133299,500	524,915	402
101,4	-7,619	563933,627	4133299,055	524,421	401
101,4	-7,119	563933,411	4133298,603	524,921	400
110	-8,217	563941,636	4133295,895	524,845	402
110	-7,723	563941,423	4133295,449	524,351	401
110	-7,223	563941,208	4133294,998	524,851	400
120	-8,339	563950,713	4133291,697	524,764	402
120	-7,845	563950,500	4133291,251	524,270	401
120	-7,345	563950,285	4133290,800	524,770	400
130	-8,46	563959,790	4133287,499	524,683	402
130	-7,966	563959,577	4133287,053	524,189	401
130	-7,466	563959,362	4133286,602	524,689	400
140	-8,582	563968,867	4133283,301	524,602	402
140	-8,088	563968,654	4133282,855	524,108	401
140	-7,588	563968,439	4133282,404	524,608	400
150	-8,698	563977,942	4133279,098	524,515	402
150	-8,21	563977,731	4133278,658	524,027	401
150	-7,71	563977,516	4133278,207	524,527	400
160	-8,814	563987,016	4133274,895	524,428	402
160	-8,332	563986,809	4133274,460	523,946	401

160	-7,832	563986,593	4133274,009	524,446	400
170	-8,946	563996,098	4133270,707	524,360	402
170	-8,451	563995,885	4133270,261	523,866	401
170	-7,951	563995,670	4133269,809	524,366	400
180	-9,078	564005,179	4133266,518	524,292	402
180	-8,571	564004,961	4133266,061	523,786	401
180	-8,071	564004,746	4133265,610	524,286	400
200	-9,302	564021,976	4133259,602	524,125	402
200	-8,806	564021,853	4133259,122	523,629	401
200	-8,306	564021,729	4133258,637	524,129	400
214,3	-9,48	564033,470	4133258,534	524,014	402
214,3	-8,98	564033,487	4133258,035	523,514	401
214,3	-8,48	564033,504	4133257,535	524,014	400
220	-9,563	564039,205	4133258,816	523,958	402
220	-9,063	564039,222	4133258,316	523,458	401
220	-8,563	564039,239	4133257,817	523,958	400
230	-9,705	564049,194	4133259,305	523,859	402
230	-9,207	564049,211	4133258,807	523,361	401
230	-8,707	564049,228	4133258,308	523,861	400
240	-9,847	564059,183	4133259,793	523,760	402
240	-9,352	564059,200	4133259,298	523,265	401
240	-8,852	564059,217	4133258,799	523,765	400
250	-9,999	564069,171	4133260,292	523,662	402
250	-9,503	564069,189	4133259,795	523,165	401
250	-9,003	564069,206	4133259,295	523,665	400
260	-10,152	564079,160	4133260,791	523,564	402
260	-9,653	564079,177	4133260,292	523,065	401
260	-9,153	564079,195	4133259,792	523,565	400
264,3	-10,216	564083,464	4133261,004	523,520	402
264,3	-9,718	564083,481	4133260,506	523,021	401
264,3	-9,218	564083,499	4133260,007	523,521	400
270	-10,319	564090,321	4133260,954	523,457	402
270	-9,817	564090,281	4133260,454	522,955	401
270	-9,317	564090,242	4133259,955	523,455	400
280	-10,623	564102,256	4133259,100	523,484	402
280	-9,983	564102,079	4133258,485	522,844	401
280	-9,483	564101,941	4133258,004	523,344	400
290	-10,793	564113,579	4133254,771	523,948	402
290	-9,807	564113,124	4133253,896	522,962	401
290	-9,307	564112,894	4133253,452	523,462	400
300	-10,718	564123,690	4133248,069	523,112	402
300	-10,264	564123,405	4133247,715	522,658	401
300	-9,764	564123,091	4133247,326	523,158	400
310	-10,861	564132,426	4133239,641	523,075	402
310	-10,372	564132,050	4133239,329	522,586	401
310	-9,872	564131,664	4133239,010	523,086	400
320	-10,919	564139,255	4133229,582	523,035	402
320	-10,43	564138,824	4133229,351	522,546	401
320	-9,93	564138,383	4133229,115	523,046	400
330	-10,962	564143,939	4133218,351	523,008	402
330	-10,472	564143,469	4133218,211	522,519	401
330	-9,972	564142,990	4133218,067	523,019	400
334,9	-10,968	564145,387	4133212,516	523,005	402
334,9	-10,478	564144,906	4133212,422	522,515	401
334,9	-9,978	564144,415	4133212,327	523,015	400
340	-10,968	564146,359	4133207,543	523,005	402
340	-10,477	564145,877	4133207,449	522,515	401
340	-9,977	564145,386	4133207,353	523,015	400
350	-10,968	564148,276	4133197,729	523,005	402
350	-10,477	564147,795	4133197,635	522,515	401

350	-9,977	564147,304	4133197,539	523,015	400
360	-10,968	564150,194	4133187,914	523,006	402
360	-10,477	564149,712	4133187,820	522,515	401
360	-9,977	564149,222	4133187,724	523,015	400
370	-10,961	564152,105	4133178,099	523,005	402
370	-10,473	564151,626	4133178,005	522,518	401
370	-9,973	564151,135	4133177,909	523,018	400
380	-10,953	564154,015	4133168,283	523,005	402
380	-10,469	564153,540	4133168,190	522,521	401
380	-9,969	564153,049	4133168,094	523,021	400
390	-10,962	564155,941	4133158,470	523,005	402
390	-10,474	564155,463	4133158,377	522,517	401
390	-9,974	564154,972	4133158,281	523,017	400
400	-10,97	564157,867	4133148,657	523,005	402
400	-10,479	564157,385	4133148,563	522,514	401
400	-9,979	564156,895	4133148,467	523,014	400
410	-10,97	564159,785	4133138,843	523,005	402
410	-10,479	564159,303	4133138,749	522,514	401
410	-9,979	564158,812	4133138,653	523,014	400
420	-10,969	564161,702	4133129,028	523,005	402
420	-10,478	564161,220	4133128,934	522,514	401
420	-9,978	564160,729	4133128,838	523,014	400
430	-10,986	564163,356	4133117,971	523,002	402
430	-10,491	564162,863	4133117,929	522,506	401
430	-9,991	564162,365	4133117,886	523,006	400
440	-10,984	564163,581	4133106,554	523,003	402
440	-10,489	564163,086	4133106,576	522,508	401
440	-9,989	564162,587	4133106,599	523,008	400
450	-10,978	564162,321	4133095,206	523,003	402
450	-10,485	564161,836	4133095,292	522,510	401
450	-9,985	564161,344	4133095,379	523,010	400
460	-10,975	564159,606	4133084,116	523,005	402
460	-10,482	564159,136	4133084,264	522,512	401
460	-9,982	564158,659	4133084,414	523,012	400
466,2	-10,969	564157,187	4133077,409	523,005	402
466,2	-10,478	564156,732	4133077,594	522,515	401
466,2	-9,978	564156,269	4133077,782	523,015	400
470	-10,969	564155,772	4133073,928	523,005	402
470	-10,478	564155,318	4133074,112	522,515	401
470	-9,978	564154,854	4133074,301	523,015	400
480	-10,968	564152,008	4133064,663	523,005	402
480	-10,478	564151,554	4133064,848	522,515	401
480	-9,978	564151,091	4133065,036	523,015	400
490	-10,968	564148,244	4133055,399	523,005	402
490	-10,478	564147,790	4133055,583	522,515	401
490	-9,978	564147,327	4133055,771	523,015	400
500	-10,968	564144,481	4133046,134	523,005	402
500	-10,478	564144,027	4133046,318	522,515	401
500	-9,978	564143,563	4133046,506	523,015	400
510	-10,42	564140,209	4133037,075	523,269	402
510	-9,991	564139,811	4133037,237	522,840	401
510	-9,491	564139,348	4133037,425	523,340	400
520	-9,872	564135,938	4133028,017	523,533	402
520	-9,503	564135,596	4133028,156	523,164	401
520	-9,003	564135,133	4133028,344	523,664	400
530	-7,71	564130,171	4133019,566	524,992	402
530	-7,331	564129,820	4133019,709	524,612	401
530	-6,831	564129,357	4133019,897	525,112	400
540	-5,548	564124,405	4133011,115	526,450	402
540	-5,159	564124,044	4133011,261	526,060	401
540	-4,659	564123,581	4133011,450	526,560	400
550	-4,41	564119,587	4133002,278	527,181	402
550	-4,038	564119,242	4133002,419	526,808	401
550	-3,538	564118,779	4133002,607	527,308	400
557,1	-3,597	564116,144	4132995,965	527,703	402
557,1	-3,237	564115,811	4132996,100	527,342	401
557,1	-2,737	564115,347	4132996,288	527,842	400

■ Dique 6

LISTADO DE EJE EN PLANTA

Tipo	P.K.	Coord. X	Coord. Y	Azimet	Radio	Parametro	Longitud
Rec	0	563822,751	4133270,818	88,766295	0	0	5
Rec	5	563827,673	4133271,695	88,766295	0	0	5
Rec	10	563832,595	4133272,573	88,766295	0	0	5
Rec	15	563837,518	4133273,451	88,766295	0	0	5
Rec	20	563842,440	4133274,328	88,766295	0	0	5
Rec	25	563847,362	4133275,206	88,766295	0	0	5
Rec	30	563852,285	4133276,084	88,766295	0	0	5
Rec	35	563857,207	4133276,962	88,766295	0	0	5
Rec	40	563862,130	4133277,839	88,766295	0	0	5
Rec	45	563867,052	4133278,717	88,766295	0	0	5
Rec	50	563871,974	4133279,595	88,766295	0	0	5
Rec	55	563876,897	4133280,472	88,766295	0	0	5
Rec	60	563881,819	4133281,350	88,766295	0	0	5
Rec	65	563886,741	4133282,228	88,766295	0	0	5
Rec	70	563891,664	4133283,106	88,766295	0	0	5
Rec	75	563896,586	4133283,983	88,766295	0	0	5
Rec	80	563901,508	4133284,861	88,766295	0	0	5
Cur	85	563906,466	4133285,484	96,126873	38,5	0	5
Cur	90	563911,463	4133285,464	104,394662	38,5	0	5
Cur	95	563916,414	4133284,796	112,662451	38,5	0	5
Cur	100	563921,238	4133283,493	120,930241	38,5	0	5
Rec	105	563925,854	4133281,579	128,350639	0	0	5
Rec	110	563930,366	4133279,426	128,350639	0	0	5
Rec	115	563934,878	4133277,272	128,350639	0	0	5
Rec	120	563939,391	4133275,118	128,350639	0	0	5
Rec	125	563943,903	4133272,964	128,350639	0	0	5
Rec	130	563948,415	4133270,811	128,350639	0	0	5
Rec	135	563952,928	4133268,657	128,350639	0	0	5
Rec	140	563957,440	4133266,503	128,350639	0	0	5
Rec	145	563961,952	4133264,349	128,350639	0	0	5
Rec	150	563966,465	4133262,195	128,350639	0	0	5
Rec	155	563970,977	4133260,042	128,350639	0	0	5
Rec	160	563975,489	4133257,888	128,350639	0	0	5
Rec	165	563980,002	4133255,734	128,350639	0	0	5
Rec	170	563984,514	4133253,580	128,350639	0	0	5
Rec	175	563989,026	4133251,427	128,350639	0	0	5
Rec	180	563993,539	4133249,273	128,350639	0	0	5
Rec	185	563998,051	4133247,119	128,350639	0	0	5
Rec	190	564002,563	4133244,965	128,350639	0	0	5
Cur	195	564007,085	4133242,832	126,628279	-61,5	0	5
Cur	200	564011,732	4133240,989	121,452509	-61,5	0	5
Cur	205	564016,512	4133239,529	116,276738	-61,5	0	5
Cur	210	564021,396	4133238,463	111,100968	-61,5	0	5
Cur	215	564026,350	4133237,796	105,925197	-61,5	0	5
Cur	220	564031,342	4133237,534	100,749427	-61,5	0	5

Rec	225	564036,340	4133237,641	97,79375	0	0	5
Rec	230	564041,337	4133237,814	97,79375	0	0	5
Rec	235	564046,334	4133237,988	97,79375	0	0	5
Rec	240	564051,331	4133238,161	97,79375	0	0	5
Rec	245	564056,328	4133238,334	97,79375	0	0	5
Rec	250	564061,325	4133238,507	97,79375	0	0	5
Rec	255	564066,322	4133238,681	97,79375	0	0	5
Rec	260	564071,319	4133238,854	97,79375	0	0	5
Rec	265	564076,316	4133239,027	97,79375	0	0	5
Rec	270	564081,313	4133239,200	97,79375	0	0	5
Cur	275	564086,311	4133239,317	101,257467	38,5	0	5
Cur	280	564091,289	4133238,894	109,525256	38,5	0	5
Cur	285	564096,171	4133237,830	117,793045	38,5	0	5
Cur	290	564100,874	4133236,143	126,060835	38,5	0	5
Cur	295	564105,319	4133233,861	134,328624	38,5	0	5
Cur	300	564109,431	4133231,023	142,596413	38,5	0	5
Cur	305	564113,141	4133227,676	150,864202	38,5	0	5
Cur	310	564116,386	4133223,876	159,131992	38,5	0	5
Cur	315	564119,112	4133219,689	167,399781	38,5	0	5
Cur	320	564121,272	4133215,184	175,66757	38,5	0	5
Cur	325	564122,831	4133210,437	183,935359	38,5	0	5
Rec	330	564123,856	4133205,544	187,714939	0	0	5
Rec	335	564124,815	4133200,637	187,714939	0	0	5
Rec	340	564125,774	4133195,729	187,714939	0	0	5
Rec	345	564126,733	4133190,822	187,714939	0	0	5
Rec	350	564127,692	4133185,915	187,714939	0	0	5
Rec	355	564128,651	4133181,008	187,714939	0	0	5
Rec	360	564129,610	4133176,101	187,714939	0	0	5
Rec	365	564130,569	4133171,193	187,714939	0	0	5
Rec	370	564131,528	4133166,286	187,714939	0	0	5
Rec	375	564132,486	4133161,379	187,714939	0	0	5
Rec	380	564133,445	4133156,472	187,714939	0	0	5
Rec	385	564134,404	4133151,565	187,714939	0	0	5
Rec	390	564135,363	4133146,657	187,714939	0	0	5
Rec	395	564136,322	4133141,750	187,714939	0	0	5
Rec	400	564137,281	4133136,843	187,714939	0	0	5
Rec	405	564138,240	4133131,936	187,714939	0	0	5
Rec	410	564139,199	4133127,029	187,714939	0	0	5
Cur	415	564140,150	4133122,120	188,663467	65,5	0	5
Cur	420	564140,847	4133117,170	193,52316	65,5	0	5
Cur	425	564141,165	4133112,181	198,382853	65,5	0	5
Cur	430	564141,101	4133107,183	203,242546	65,5	0	5
Cur	435	564140,656	4133102,204	208,102239	65,5	0	5
Cur	440	564139,833	4133097,274	212,961932	65,5	0	5
Cur	445	564138,636	4133092,420	217,821625	65,5	0	5
Cur	450	564137,073	4133087,672	222,681317	65,5	0	5
Rec	455	564135,218	4133083,029	224,565271	0	0	5
Rec	460	564133,336	4133078,397	224,565271	0	0	5
Rec	465	564131,454	4133073,765	224,565271	0	0	5
Rec	470	564129,572	4133069,132	224,565271	0	0	5

Rec	475	564127,690	4133064,500	224,565271	0	0	5
Rec	480	564125,809	4133059,868	224,565271	0	0	5
Rec	485	564123,927	4133055,235	224,565271	0	0	5
Rec	490	564122,045	4133050,603	224,565271	0	0	5
Rec	495	564120,163	4133045,970	224,565271	0	0	5
Rec	500	564118,281	4133041,338	224,565271	0	0	5
Rec	505	564116,399	4133036,706	224,565271	0	0	5
Rec	510	564114,518	4133032,073	224,565271	0	0	5
Rec	515	564112,636	4133027,441	224,565271	0	0	5
Rec	520	564110,754	4133022,809	224,565271	0	0	5
Rec	525	564108,872	4133018,176	224,565271	0	0	5
Rec	530	564106,990	4133013,544	224,565271	0	0	5
Rec	535	564105,108	4133008,912	224,565271	0	0	5
Rec	540	564103,227	4133004,279	224,565271	0	0	5
Rec	545	564101,345	4132999,647	224,565271	0	0	5
Rec	550	564099,463	4132995,015	224,565271	0	0	5
Rec	555	564097,581	4132990,382	224,565271	0	0	5
Rec	560	564095,699	4132985,750	224,565271	0	0	5
Rec	565	564093,817	4132981,117	224,565271	0	0	5
Rec	570	564091,936	4132976,485	224,565271	0	0	5
Rec	575	564090,054	4132971,853	224,565271	0	0	5
Rec	580	564088,172	4132967,220	224,565271	0	0	5
Rec	585	564086,290	4132962,588	224,565271	0	0	5
Rec	590	564084,408	4132957,956	224,565271	0	0	5
Rec	595	564082,527	4132953,323	224,565271	0	0	5
Rec	600	564080,645	4132948,691	224,565271	0	0	5
Rec	605	564078,763	4132944,059	224,565271	0	0	5
Rec	610	564076,881	4132939,426	224,565271	0	0	5
Rec	615	564074,999	4132934,794	224,565271	0	0	5
Rec	620	564073,117	4132930,162	224,565271	0	0	5
Rec	625	564071,236	4132925,529	224,565271	0	0	5
Rec	630	564069,354	4132920,897	224,565271	0	0	5
Rec	635	564067,472	4132916,264	224,565271	0	0	5
Rec	640	564065,590	4132911,632	224,565271	0	0	5
Rec	645	564063,708	4132907,000	224,565271	0	0	5
Rec	650	564061,826	4132902,367	224,565271	0	0	5
Rec	655	564059,945	4132897,735	224,565271	0	0	0,612
Rec	655,612	564059,714	4132897,168	224,565271	0	0	

LISTADO DE EJE EN ALZADO

Tipo	P.K.	Coord. X	Coord. Y	Diseño de elevación	Elevación existente	Diferencia de elevación
Rec	0	563822,751	4133270,818	533,000	532,999	-0,001
Rec	5	563827,673	4133271,695	533,000	531,427	-1,573
Rec	10	563832,595	4133272,573	533,000	529,854	-3,146
Rec	15	563837,518	4133273,451	533,000	528,188	-4,812
Rec	20	563842,44	4133274,328	533,000	528,188	-4,812
Rec	25	563847,362	4133275,206	533,000	528,188	-4,812
Rec	30	563852,285	4133276,084	533,000	528,188	-4,812
Rec	35	563857,207	4133276,962	533,000	528,188	-4,812
Rec	40	563862,13	4133277,839	533,000	528,188	-4,812
Rec	45	563867,052	4133278,717	533,000	528,188	-4,812
Rec	50	563871,974	4133279,595	533,000	528,188	-4,812
Rec	55	563876,897	4133280,472	533,000	528,188	-4,812
Rec	60	563881,819	4133281,35	533,000	528,188	-4,812
Rec	65	563886,741	4133282,228	533,000	528,188	-4,812
Rec	70	563891,664	4133283,106	533,000	528,188	-4,812
Rec	75	563896,586	4133283,983	533,000	528,187	-4,813
Rec	80	563901,508	4133284,861	533,000	528,179	-4,821
Cur	85	563906,466	4133285,739	533,000	528,167	-4,833
Cur	90	563911,463	4133286,617	533,000	528,157	-4,843
Cur	95	563916,414	4133287,495	533,000	528,149	-4,851
Cur	100	563921,238	4133288,373	533,000	528,142	-4,858
Rec	105	563925,854	4133289,251	533,000	528,159	-4,841
Rec	110	563930,366	4133290,129	533,000	528,159	-4,841
Rec	115	563934,878	4133291,007	533,000	528,159	-4,841
Rec	120	563939,391	4133291,885	533,000	528,159	-4,841
Rec	125	563943,903	4133292,763	533,000	528,159	-4,841
Rec	130	563948,415	4133293,641	533,000	528,159	-4,841
Rec	135	563952,928	4133294,519	533,000	528,159	-4,841
Rec	140	563957,44	4133295,397	533,000	528,159	-4,841
Rec	145	563961,952	4133296,275	533,000	528,159	-4,841
Rec	150	563966,465	4133297,153	533,000	528,159	-4,841
Rec	155	563970,977	4133298,031	533,000	528,159	-4,841
Rec	160	563975,489	4133298,909	533,000	528,159	-4,841
Rec	165	563980,002	4133299,787	533,000	528,159	-4,841
Rec	170	563984,514	4133300,665	533,000	528,159	-4,841
Rec	175	563989,026	4133301,543	533,000	528,159	-4,841
Rec	180	563993,539	4133302,421	533,000	528,159	-4,841
Rec	185	563998,051	4133303,299	533,000	528,159	-4,841
Rec	190	564002,563	4133304,177	533,000	528,181	-4,819
Cur	195	564007,085	4133305,055	533,000	528,188	-4,812
Cur	200	564011,732	4133305,933	533,000	528,197	-4,803
Cur	205	564016,512	4133306,811	533,000	528,203	-4,797
Cur	210	564021,396	4133307,689	533,000	528,204	-4,796

Cur	215	564026,35	4133237,796	533,000	528,208	-4,792
Cur	220	564031,342	4133237,534	533,000	528,209	-4,791
Rec	225	564036,34	4133237,641	533,000	528,112	-4,888
Rec	230	564041,337	4133237,814	533,000	528,015	-4,985
Rec	235	564046,334	4133237,988	533,000	528,000	-5,000
Rec	240	564051,331	4133238,161	533,000	528,000	-5,000
Rec	245	564056,328	4133238,334	533,000	528,000	-5,000
Rec	250	564061,325	4133238,507	533,000	528,000	-5,000
Rec	255	564066,322	4133238,681	533,000	528,000	-5,000
Rec	260	564071,319	4133238,854	533,000	528,000	-5,000
Rec	265	564076,316	4133239,027	533,000	528,000	-5,000
Rec	270	564081,313	4133239,2	533,000	528,000	-5,000
Cur	275	564086,311	4133239,317	533,000	528,000	-5,000
Cur	280	564091,289	4133238,894	533,000	528,000	-5,000
Cur	285	564096,171	4133237,83	533,000	528,000	-5,000
Cur	290	564100,874	4133236,143	533,000	528,000	-5,000
Cur	295	564105,319	4133233,861	533,000	528,000	-5,000
Cur	300	564109,431	4133231,023	533,000	528,000	-5,000
Cur	305	564113,141	4133227,676	533,000	528,000	-5,000
Cur	310	564116,386	4133223,876	533,000	528,000	-5,000
Cur	315	564119,112	4133219,689	533,000	528,000	-5,000
Cur	320	564121,272	4133215,184	533,000	528,000	-5,000
Cur	325	564122,831	4133210,437	533,000	528,000	-5,000
Rec	330	564123,856	4133205,544	533,000	528,000	-5,000
Rec	335	564124,815	4133200,637	533,000	528,000	-5,000
Rec	340	564125,774	4133195,729	533,000	528,000	-5,000
Rec	345	564126,733	4133190,822	533,000	528,000	-5,000
Rec	350	564127,692	4133185,915	533,000	528,000	-5,000
Rec	355	564128,651	4133181,008	533,000	528,000	-5,000
Rec	360	564129,61	4133176,101	533,000	528,000	-5,000
Rec	365	564130,569	4133171,193	533,000	528,000	-5,000
Rec	370	564131,528	4133166,286	533,000	528,000	-5,000
Rec	375	564132,486	4133161,379	533,000	528,000	-5,000
Rec	380	564133,445	4133156,472	533,000	528,000	-5,000
Rec	385	564134,404	4133151,565	533,000	528,000	-5,000
Rec	390	564135,363	4133146,657	533,000	528,000	-5,000
Rec	395	564136,322	4133141,75	533,000	528,000	-5,000
Rec	400	564137,281	4133136,843	533,000	528,003	-4,997
Rec	405	564138,24	4133131,936	533,000	528,072	-4,928
Rec	410	564139,199	4133127,029	533,000	528,142	-4,858
Cur	415	564140,15	4133122,12	533,000	528,211	-4,789
Cur	420	564140,847	4133117,17	533,000	528,249	-4,751
Cur	425	564141,165	4133112,181	533,000	528,257	-4,743
Cur	430	564141,101	4133107,183	533,000	528,266	-4,734
Cur	435	564140,656	4133102,204	533,000	528,281	-4,719
Cur	440	564139,833	4133097,274	533,000	528,293	-4,707
Cur	445	564138,636	4133092,42	533,000	528,311	-4,689
Cur	450	564137,073	4133087,672	533,000	528,329	-4,671

Rec	455	564135,218	4133083,029	533,000	528,347	-4,653
Rec	460	564133,336	4133078,397	533,000	528,356	-4,644
Rec	465	564131,454	4133073,765	533,000	528,390	-4,610
Rec	470	564129,572	4133069,132	533,000	528,390	-4,610
Rec	475	564127,69	4133064,5	533,000	528,390	-4,610
Rec	480	564125,809	4133059,868	533,000	528,390	-4,610
Rec	485	564123,927	4133055,235	533,000	528,390	-4,610
Rec	490	564122,045	4133050,603	533,000	528,390	-4,610
Rec	495	564120,163	4133045,97	533,000	528,390	-4,610
Rec	500	564118,281	4133041,338	533,000	528,390	-4,610
Rec	505	564116,399	4133036,706	533,000	528,390	-4,610
Rec	510	564114,518	4133032,073	533,000	528,390	-4,610
Rec	515	564112,636	4133027,441	533,000	528,390	-4,610
Rec	520	564110,754	4133022,809	533,000	528,390	-4,610
Rec	525	564108,872	4133018,176	533,000	528,390	-4,610
Rec	530	564106,99	4133013,544	533,000	528,390	-4,610
Rec	535	564105,108	4133008,912	533,000	528,390	-4,610
Rec	540	564103,227	4133004,279	533,000	528,390	-4,610
Rec	545	564101,345	4132999,647	533,000	528,398	-4,602
Rec	550	564099,463	4132995,015	533,000	528,510	-4,490
Rec	555	564097,581	4132990,382	533,000	528,621	-4,379
Rec	560	564095,699	4132985,75	533,000	528,734	-4,266
Rec	565	564093,817	4132981,117	533,000	528,847	-4,153
Rec	570	564091,936	4132976,485	533,000	529,137	-3,863
Rec	575	564090,054	4132971,853	533,000	529,681	-3,319
Rec	580	564088,172	4132967,22	533,000	530,232	-2,768
Rec	585	564086,29	4132962,588	533,000	530,832	-2,168
Rec	590	564084,408	4132957,956	533,000	531,000	-2,000
Rec	595	564082,527	4132953,323	533,000	530,136	-2,864
Rec	600	564080,645	4132948,691	533,000	528,360	-4,640
Rec	605	564078,763	4132944,059	533,000	527,100	-5,900
Rec	610	564076,881	4132939,426	533,000	525,672	-7,328
Rec	615	564074,999	4132934,794	533,000	524,617	-8,383
Rec	620	564073,117	4132930,162	533,000	523,076	-9,924
Rec	625	564071,236	4132925,529	533,000	522,758	-10,242
Rec	630	564069,354	4132920,897	533,000	523,366	-9,634
Rec	635	564067,472	4132916,264	533,000	524,744	-8,256
Rec	640	564065,59	4132911,632	533,000	526,699	-6,301
Rec	645	564063,708	4132907	533,000	528,944	-4,056
Rec	650	564061,826	4132902,367	533,000	530,897	-2,103
Rec	655	564059,945	4132897,735	533,000	532,812	-0,188
Rec	655,612	564059,714	4132897,168	533,000	533,000	0,000

LISTADO DE REPLANTEO PLATAFORMA

P.K.	RET	Coord. X	Coord. Y	Coord. Z	Código
0	-2,5	563822,312	4133273,279	533,000	Carril 1
0	0	563822,751	4133270,818	533,000	Eje
0	2,5	563823,190	4133268,356	533,000	Carril 1
10	-2,5	563832,157	4133275,034	533,000	Carril 1
10	0	563832,595	4133272,573	533,000	Eje
10	2,5	563833,034	4133270,112	533,000	Carril 1
20	-2,5	563842,001	4133276,790	533,000	Carril 1
20	0	563842,440	4133274,328	533,000	Eje
20	2,5	563842,879	4133271,867	533,000	Carril 1
30	-2,5	563851,846	4133278,545	533,000	Carril 1
30	0	563852,285	4133276,084	533,000	Eje
30	2,5	563852,724	4133273,623	533,000	Carril 1
40	-2,5	563861,691	4133280,300	533,000	Carril 1
40	0	563862,130	4133277,839	533,000	Eje
40	2,5	563862,568	4133275,378	533,000	Carril 1
50	-2,5	563871,535	4133282,056	533,000	Carril 1
50	0	563871,974	4133279,595	533,000	Eje
50	2,5	563872,413	4133277,134	533,000	Carril 1
60	-2,5	563881,380	4133283,811	533,000	Carril 1
60	0	563881,819	4133281,350	533,000	Eje
60	2,5	563882,258	4133278,889	533,000	Carril 1
70	-2,5	563891,225	4133285,567	533,000	Carril 1
70	0	563891,664	4133283,106	533,000	Eje
70	2,5	563892,103	4133280,644	533,000	Carril 1
80	-2,5	563901,070	4133287,322	533,000	Carril 1
80	0	563901,508	4133284,861	533,000	Eje
80	2,5	563901,947	4133282,400	533,000	Carril 1
80,549	-2,5	563901,610	4133287,419	533,000	Carril 1
80,549	0	563902,049	4133284,957	533,000	Eje
80,549	2,5	563902,487	4133282,496	533,000	Carril 1
85	-2,5	563906,314	4133287,979	533,000	Carril 1
85	0	563906,466	4133285,484	533,000	Eje
85	2,5	563906,618	4133282,989	533,000	Carril 1
90	-2,5	563911,635	4133287,958	533,000	Carril 1
90	0	563911,463	4133285,464	533,000	Eje
90	2,5	563911,290	4133282,969	533,000	Carril 1
95	-2,5	563916,908	4133287,247	533,000	Carril 1
95	0	563916,414	4133284,796	533,000	Eje
95	2,5	563915,920	4133282,345	533,000	Carril 1
100	-2,5	563922,045	4133285,859	533,000	Carril 1
100	0	563921,238	4133283,493	533,000	Eje
100	2,5	563920,431	4133281,127	533,000	Carril 1
104,488	-2,5	563926,468	4133284,056	533,000	Carril 1
104,488	0	563925,391	4133281,800	533,000	Eje
104,488	2,5	563924,314	4133279,544	533,000	Carril 1
110	-2,5	563931,443	4133281,682	533,000	Carril 1

110	0	563930,366	4133279,426	533,000	Eje
110	2,5	563929,289	4133277,170	533,000	Carril 1
120	-2,5	563940,468	4133277,374	533,000	Carril 1
120	0	563939,391	4133275,118	533,000	Eje
120	2,5	563938,314	4133272,862	533,000	Carril 1
130	-2,5	563949,492	4133273,067	533,000	Carril 1
130	0	563948,415	4133270,811	533,000	Eje
130	2,5	563947,338	4133268,554	533,000	Carril 1
140	-2,5	563958,517	4133268,759	533,000	Carril 1
140	0	563957,440	4133266,503	533,000	Eje
140	2,5	563956,363	4133264,247	533,000	Carril 1
150	-2,5	563967,542	4133264,452	533,000	Carril 1
150	0	563966,465	4133262,195	533,000	Eje
150	2,5	563965,388	4133259,939	533,000	Carril 1
160	-2,5	563976,566	4133260,144	533,000	Carril 1
160	0	563975,489	4133257,888	533,000	Eje
160	2,5	563974,412	4133255,632	533,000	Carril 1
170	-2,5	563985,591	4133255,836	533,000	Carril 1
170	0	563984,514	4133253,580	533,000	Eje
170	2,5	563983,437	4133251,324	533,000	Carril 1
180	-2,5	563994,616	4133251,529	533,000	Carril 1
180	0	563993,539	4133249,273	533,000	Eje
180	2,5	563992,462	4133247,017	533,000	Carril 1
190	-2,5	564003,640	4133247,221	533,000	Carril 1
190	0	564002,563	4133244,965	533,000	Eje
190	2,5	564001,487	4133242,709	533,000	Carril 1
193,336	-2,5	564006,651	4133245,784	533,000	Carril 1
193,336	0	564005,574	4133243,528	533,000	Eje
193,336	2,5	564004,497	4133241,272	533,000	Carril 1
195	-2,5	564008,101	4133245,116	533,000	Carril 1
195	0	564007,085	4133242,832	533,000	Eje
195	2,5	564006,070	4133240,547	533,000	Carril 1
200	-2,5	564012,558	4133243,348	533,000	Carril 1
200	0	564011,732	4133240,989	533,000	Eje
200	2,5	564010,905	4133238,629	533,000	Carril 1
205	-2,5	564017,145	4133241,948	533,000	Carril 1
205	0	564016,512	4133239,529	533,000	Eje
205	2,5	564015,880	4133237,110	533,000	Carril 1
210	-2,5	564021,830	4133240,925	533,000	Carril 1
210	0	564021,396	4133238,463	533,000	Eje
210	2,5	564020,962	4133236,000	533,000	Carril 1
215	-2,5	564026,582	4133240,285	533,000	Carril 1
215	0	564026,350	4133237,796	533,000	Eje
215	2,5	564026,118	4133235,307	533,000	Carril 1
220	-2,5	564031,371	4133240,034	533,000	Carril 1
220	0	564031,342	4133237,534	533,000	Eje
220	2,5	564031,312	4133235,034	533,000	Carril 1
222,855	-2,5	564034,110	4133240,065	533,000	Carril 1
222,855	0	564034,197	4133237,567	533,000	Eje
222,855	2,5	564034,283	4133235,068	533,000	Carril 1

230	-2,5	564041,250	4133240,313	533,000	Carril 1
230	0	564041,337	4133237,814	533,000	Eje
230	2,5	564041,424	4133235,316	533,000	Carril 1
240	-2,5	564051,244	4133240,659	533,000	Carril 1
240	0	564051,331	4133238,161	533,000	Eje
240	2,5	564051,418	4133235,662	533,000	Carril 1
250	-2,5	564061,238	4133241,006	533,000	Carril 1
250	0	564061,325	4133238,507	533,000	Eje
250	2,5	564061,412	4133236,009	533,000	Carril 1
260	-2,5	564071,232	4133241,352	533,000	Carril 1
260	0	564071,319	4133238,854	533,000	Eje
260	2,5	564071,406	4133236,355	533,000	Carril 1
270	-2,5	564081,226	4133241,699	533,000	Carril 1
270	0	564081,313	4133239,200	533,000	Eje
270	2,5	564081,400	4133236,702	533,000	Carril 1
272,905	-2,5	564084,130	4133241,800	533,000	Carril 1
272,905	0	564084,217	4133239,301	533,000	Eje
272,905	2,5	564084,303	4133236,803	533,000	Carril 1
275	-2,5	564086,360	4133241,816	533,000	Carril 1
275	0	564086,311	4133239,317	533,000	Eje
275	2,5	564086,262	4133236,817	533,000	Carril 1
280	-2,5	564091,662	4133241,366	533,000	Carril 1
280	0	564091,289	4133238,894	533,000	Eje
280	2,5	564090,917	4133236,422	533,000	Carril 1
285	-2,5	564096,861	4133240,233	533,000	Carril 1
285	0	564096,171	4133237,830	533,000	Eje
285	2,5	564095,482	4133235,427	533,000	Carril 1
290	-2,5	564101,869	4133238,437	533,000	Carril 1
290	0	564100,874	4133236,143	533,000	Eje
290	2,5	564099,879	4133233,850	533,000	Carril 1
295	-2,5	564106,603	4133236,006	533,000	Carril 1
295	0	564105,319	4133233,861	533,000	Eje
295	2,5	564104,036	4133231,716	533,000	Carril 1
300	-2,5	564110,982	4133232,984	533,000	Carril 1
300	0	564109,431	4133231,023	533,000	Eje
300	2,5	564107,881	4133229,062	533,000	Carril 1
305	-2,5	564114,933	4133229,419	533,000	Carril 1
305	0	564113,141	4133227,676	533,000	Eje
305	2,5	564111,350	4133225,932	533,000	Carril 1
310	-2,5	564118,389	4133225,373	533,000	Carril 1
310	0	564116,386	4133223,876	533,000	Eje
310	2,5	564114,384	4133222,380	533,000	Carril 1
315	-2,5	564121,291	4133220,914	533,000	Carril 1
315	0	564119,112	4133219,689	533,000	Eje
315	2,5	564116,933	4133218,464	533,000	Carril 1
320	-2,5	564123,592	4133216,116	533,000	Carril 1
320	0	564121,272	4133215,184	533,000	Eje
320	2,5	564118,953	4133214,251	533,000	Carril 1
325	-2,5	564125,252	4133211,061	533,000	Carril 1
325	0	564122,831	4133210,437	533,000	Eje

325	2,5	564120,410	4133209,812	533,000	Carril 1
327,286	-2,5	564125,789	4133208,687	533,000	Carril 1
327,286	0	564123,336	4133208,208	533,000	Eje
327,286	2,5	564120,882	4133207,728	533,000	Carril 1
330	-2,5	564126,310	4133206,023	533,000	Carril 1
330	0	564123,856	4133205,544	533,000	Eje
330	2,5	564121,403	4133205,064	533,000	Carril 1
340	-2,5	564128,228	4133196,209	533,000	Carril 1
340	0	564125,774	4133195,729	533,000	Eje
340	2,5	564123,321	4133195,250	533,000	Carril 1
350	-2,5	564130,146	4133186,394	533,000	Carril 1
350	0	564127,692	4133185,915	533,000	Eje
350	2,5	564125,238	4133185,435	533,000	Carril 1
360	-2,5	564132,063	4133176,580	533,000	Carril 1
360	0	564129,610	4133176,101	533,000	Eje
360	2,5	564127,156	4133175,621	533,000	Carril 1
370	-2,5	564133,981	4133166,766	533,000	Carril 1
370	0	564131,528	4133166,286	533,000	Eje
370	2,5	564129,074	4133165,807	533,000	Carril 1
380	-2,5	564135,899	4133156,951	533,000	Carril 1
380	0	564133,445	4133156,472	533,000	Eje
380	2,5	564130,992	4133155,992	533,000	Carril 1
390	-2,5	564137,817	4133147,137	533,000	Carril 1
390	0	564135,363	4133146,657	533,000	Eje
390	2,5	564132,909	4133146,178	533,000	Carril 1
400	-2,5	564139,734	4133137,322	533,000	Carril 1
400	0	564137,281	4133136,843	533,000	Eje
400	2,5	564134,827	4133136,364	533,000	Carril 1
410	-2,5	564141,652	4133127,508	533,000	Carril 1
410	0	564139,199	4133127,029	533,000	Eje
410	2,5	564136,745	4133126,549	533,000	Carril 1
414,024	-2,5	564142,424	4133123,559	533,000	Carril 1
414,024	0	564139,970	4133123,079	533,000	Eje
414,024	2,5	564137,517	4133122,600	533,000	Carril 1
415	-2,5	564142,611	4133122,563	533,000	Carril 1
415	0	564140,150	4133122,120	533,000	Eje
415	2,5	564137,690	4133121,677	533,000	Carril 1
420	-2,5	564143,335	4133117,424	533,000	Carril 1
420	0	564140,847	4133117,170	533,000	Eje
420	2,5	564138,360	4133116,916	533,000	Carril 1
425	-2,5	564143,664	4133112,245	533,000	Carril 1
425	0	564141,165	4133112,181	533,000	Eje
425	2,5	564138,666	4133112,118	533,000	Carril 1
430	-2,5	564143,598	4133107,056	533,000	Carril 1
430	0	564141,101	4133107,183	533,000	Eje
430	2,5	564138,604	4133107,310	533,000	Carril 1
435	-2,5	564143,136	4133101,887	533,000	Carril 1
435	0	564140,656	4133102,204	533,000	Eje
435	2,5	564138,177	4133102,521	533,000	Carril 1
440	-2,5	564142,282	4133096,768	533,000	Carril 1

440	0	564139,833	4133097,274	533,000	Eje
440	2,5	564137,385	4133097,779	533,000	Carril 1
445	-2,5	564141,039	4133091,729	533,000	Carril 1
445	0	564138,636	4133092,420	533,000	Eje
445	2,5	564136,234	4133093,111	533,000	Carril 1
450	-2,5	564139,416	4133086,800	533,000	Carril 1
450	0	564137,073	4133087,672	533,000	Eje
450	2,5	564134,730	4133088,544	533,000	Carril 1
451,938	-2,5	564138,686	4133084,925	533,000	Carril 1
451,938	0	564136,370	4133085,866	533,000	Eje
451,938	2,5	564134,054	4133086,807	533,000	Carril 1
460	-2,5	564135,652	4133077,456	533,000	Carril 1
460	0	564133,336	4133078,397	533,000	Eje
460	2,5	564131,020	4133079,338	533,000	Carril 1
470	-2,5	564131,888	4133068,191	533,000	Carril 1
470	0	564129,572	4133069,132	533,000	Eje
470	2,5	564127,256	4133070,073	533,000	Carril 1
480	-2,5	564128,125	4133058,927	533,000	Carril 1
480	0	564125,809	4133059,868	533,000	Eje
480	2,5	564123,492	4133060,808	533,000	Carril 1
490	-2,5	564124,361	4133049,662	533,000	Carril 1
490	0	564122,045	4133050,603	533,000	Eje
490	2,5	564119,729	4133051,544	533,000	Carril 1
500	-2,5	564120,597	4133040,397	533,000	Carril 1
500	0	564118,281	4133041,338	533,000	Eje
500	2,5	564115,965	4133042,279	533,000	Carril 1
510	-2,5	564116,834	4133031,132	533,000	Carril 1
510	0	564114,518	4133032,073	533,000	Eje
510	2,5	564112,201	4133033,014	533,000	Carril 1
520	-2,5	564113,070	4133021,868	533,000	Carril 1
520	0	564110,754	4133022,809	533,000	Eje
520	2,5	564108,438	4133023,750	533,000	Carril 1
530	-2,5	564109,306	4133012,603	533,000	Carril 1
530	0	564106,990	4133013,544	533,000	Eje
530	2,5	564104,674	4133014,485	533,000	Carril 1
540	-2,5	564105,543	4133003,338	533,000	Carril 1
540	0	564103,227	4133004,279	533,000	Eje
540	2,5	564100,910	4133005,220	533,000	Carril 1
550	-2,5	564101,779	4132994,074	533,000	Carril 1
550	0	564099,463	4132995,015	533,000	Eje
550	2,5	564097,147	4132995,955	533,000	Carril 1
560	-2,5	564098,015	4132984,809	533,000	Carril 1
560	0	564095,699	4132985,750	533,000	Eje
560	2,5	564093,383	4132986,691	533,000	Carril 1
570	-2,5	564094,252	4132975,544	533,000	Carril 1
570	0	564091,936	4132976,485	533,000	Eje
570	2,5	564089,619	4132977,426	533,000	Carril 1
580	-2,5	564090,488	4132966,279	533,000	Carril 1
580	0	564088,172	4132967,220	533,000	Eje
580	2,5	564085,856	4132968,161	533,000	Carril 1

590	-2,5	564086,725	4132957,015	533,000	Carril 1
590	0	564084,408	4132957,956	533,000	Eje
590	2,5	564082,092	4132958,897	533,000	Carril 1
600	-2,5	564082,961	4132947,750	533,000	Carril 1
600	0	564080,645	4132948,691	533,000	Eje
600	2,5	564078,329	4132949,632	533,000	Carril 1
610	-2,5	564079,197	4132938,485	533,000	Carril 1
610	0	564076,881	4132939,426	533,000	Eje
610	2,5	564074,565	4132940,367	533,000	Carril 1
620	-2,5	564075,434	4132929,221	533,000	Carril 1
620	0	564073,117	4132930,162	533,000	Eje
620	2,5	564070,801	4132931,102	533,000	Carril 1
630	-2,5	564071,670	4132919,956	533,000	Carril 1
630	0	564069,354	4132920,897	533,000	Eje
630	2,5	564067,038	4132921,838	533,000	Carril 1
640	-2,5	564067,906	4132910,691	533,000	Carril 1
640	0	564065,590	4132911,632	533,000	Eje
640	2,5	564063,274	4132912,573	533,000	Carril 1
650	-2,5	564064,143	4132901,427	533,000	Carril 1
650	0	564061,826	4132902,367	533,000	Eje
650	2,5	564059,510	4132903,308	533,000	Carril 1
654,612	-2,5	564062,407	4132897,154	533,000	Carril 1
654,612	0	564060,091	4132898,095	533,000	Eje
654,612	2,5	564057,774	4132899,035	533,000	Carril 1
655,612	-2,5	564062,031	4132896,228	533,000	Carril 1
655,612	0	564059,714	4132897,168	533,000	Eje
655,612	2,5	564057,398	4132898,109	533,000	Carril 1
655,612	-2,5	564062,031	4132896,228	533,000	Carril 1
655,612	0	564059,714	4132897,168	533,000	Eje
655,612	2,5	564057,398	4132898,109	533,000	Carril 1

LISTADO DE REPLANTEO TALUDES

P.K.	RET	Coord. X	Coord. Y	Coord. Z	Código
0	-3,565	563822,125	4133274,327	532,290	CPT
0	3,232	563823,318	4133267,636	533,488	CPT
10	-6,783	563831,405	4133279,250	530,145	CPT
10	5,197	563833,508	4133267,457	530,913	CPT
20	-10	563840,685	4133284,173	528,000	CPT
20	7,162	563843,697	4133267,278	528,338	CPT
30	-10	563850,529	4133285,929	528,000	CPT
30	7,162	563853,542	4133269,034	528,339	CPT
40	-10	563860,374	4133287,684	528,000	CPT
40	7,161	563863,387	4133270,789	528,339	CPT
50	-10	563870,219	4133289,439	528,000	CPT
50	7,162	563873,231	4133272,544	528,339	CPT
60	-10	563880,064	4133291,195	528,000	CPT
60	7,162	563883,076	4133274,299	528,338	CPT
70	-10	563889,908	4133292,950	528,000	CPT
70	7,176	563892,923	4133276,041	528,323	CPT
80	-10	563899,753	4133294,706	528,000	CPT
80	7,191	563902,771	4133277,782	528,309	CPT
80,549	-10	563900,293	4133294,802	528,000	CPT
80,549	7,193	563903,311	4133277,876	528,307	CPT
85	-10	563905,858	4133295,465	528,000	CPT
85	7,208	563906,904	4133278,289	528,292	CPT
90	-10	563912,152	4133295,440	528,000	CPT
90	7,225	563910,964	4133278,256	528,275	CPT
95	-10	563918,390	4133294,599	528,000	CPT
95	7,232	563914,985	4133277,707	528,268	CPT
100	-10	563924,467	4133292,958	528,000	CPT
100	7,239	563918,901	4133276,642	528,261	CPT
104,488	-10	563929,699	4133290,825	528,000	CPT
104,488	7,214	563922,284	4133275,290	528,286	CPT
110	-10	563934,673	4133288,450	528,000	CPT
110	7,214	563927,259	4133272,916	528,286	CPT
120	-10	563943,698	4133284,143	528,000	CPT
120	7,213	563936,284	4133268,609	528,287	CPT
130	-10	563952,723	4133279,835	528,000	CPT
130	7,213	563945,308	4133264,301	528,286	CPT
140	-10	563961,748	4133275,528	528,000	CPT
140	7,214	563954,333	4133259,993	528,286	CPT
150	-10	563970,772	4133271,220	528,000	CPT
150	7,214	563963,357	4133255,685	528,286	CPT
160	-10	563979,797	4133266,913	528,000	CPT
160	7,214	563972,382	4133251,377	528,286	CPT
170	-10	563988,822	4133262,605	528,000	CPT
170	7,213	563981,407	4133247,070	528,286	CPT
180	-10	563997,846	4133258,297	528,000	CPT
180	7,213	563990,432	4133242,763	528,287	CPT

190	-10	564006,871	4133253,990	528,000	CPT
190	7,176	563999,472	4133238,489	528,324	CPT
193,336	-10	564009,882	4133252,553	528,000	CPT
193,336	7,164	564002,488	4133237,063	528,336	CPT
195	-10	564011,147	4133251,970	528,000	CPT
195	7,159	564004,177	4133236,290	528,341	CPT
200	-10	564015,038	4133250,426	528,000	CPT
200	7,144	564009,370	4133234,247	528,356	CPT
205	-10	564019,041	4133249,204	528,000	CPT
205	7,139	564014,707	4133232,623	528,361	CPT
210	-10	564023,131	4133248,311	528,000	CPT
210	7,133	564020,158	4133231,438	528,367	CPT
215	-10	564027,279	4133247,753	528,000	CPT
215	7,148	564025,686	4133230,679	528,352	CPT
220	-10	564031,459	4133247,534	528,000	CPT
220	7,163	564031,257	4133230,372	528,337	CPT
222,855	-10	564033,850	4133247,561	528,000	CPT
222,855	7,222	564034,447	4133230,349	528,278	CPT
230	-10	564040,990	4133247,808	528,000	CPT
230	7,338	564041,591	4133230,481	528,162	CPT
240	-10	564050,984	4133248,155	528,000	CPT
240	7,5	564051,591	4133230,665	528,000	CPT
250	-10	564060,978	4133248,501	528,000	CPT
250	7,5	564061,585	4133231,012	528,000	CPT
260	-10	564070,972	4133248,848	528,000	CPT
260	7,5	564071,579	4133231,358	528,000	CPT
270	-10	564080,966	4133249,194	528,000	CPT
270	7,5	564081,573	4133231,705	528,000	CPT
272,905	-10	564083,870	4133249,295	528,000	CPT
272,905	7,5	564084,476	4133231,806	528,000	CPT
275	-10	564086,508	4133249,315	528,000	CPT
275	7,5	564086,163	4133231,818	528,000	CPT
280	-10	564092,780	4133248,782	528,000	CPT
280	7,5	564090,171	4133231,478	528,000	CPT
285	-10	564098,930	4133247,442	528,000	CPT
285	7,5	564094,102	4133230,621	528,000	CPT
290	-10	564104,855	4133245,317	528,000	CPT
290	7,5	564097,889	4133229,263	528,000	CPT
295	-10	564110,454	4133242,442	528,000	CPT
295	7,5	564101,468	4133227,425	528,000	CPT
300	-10	564115,634	4133238,867	528,000	CPT
300	7,5	564104,779	4133225,140	528,000	CPT
305	-10	564120,308	4133234,650	528,000	CPT
305	7,5	564107,766	4133222,445	528,000	CPT
310	-10	564124,395	4133229,864	528,000	CPT
310	7,5	564110,379	4133219,386	528,000	CPT
315	-10	564127,829	4133224,589	528,000	CPT
315	7,5	564112,574	4133216,014	528,000	CPT
320	-10	564130,551	4133218,913	528,000	CPT
320	7,5	564114,314	4133212,386	528,000	CPT

325	-10	564132,514	4133212,933	528,000	CPT
325	7,5	564115,569	4133208,564	528,000	CPT
327,286	-10	564133,150	4133210,125	528,000	CPT
327,286	7,5	564115,975	4133206,769	528,000	CPT
330	-10	564133,671	4133207,461	528,000	CPT
330	7,5	564116,496	4133204,105	528,000	CPT
340	-10	564135,589	4133197,647	528,000	CPT
340	7,5	564118,413	4133194,291	528,000	CPT
350	-10	564137,506	4133187,833	528,000	CPT
350	7,5	564120,331	4133184,477	528,000	CPT
360	-10	564139,424	4133178,018	528,000	CPT
360	7,5	564122,249	4133174,662	528,000	CPT
370	-10	564141,342	4133168,204	528,000	CPT
370	7,5	564124,167	4133164,848	528,000	CPT
380	-10	564143,260	4133158,390	528,000	CPT
380	7,5	564126,085	4133155,033	528,000	CPT
390	-10	564145,177	4133148,575	528,000	CPT
390	7,418	564128,082	4133145,235	528,082	CPT
400	-10	564147,095	4133138,761	528,000	CPT
400	7,337	564130,080	4133135,436	528,163	CPT
410	-10	564149,013	4133128,946	528,000	CPT
410	7,201	564132,131	4133125,648	528,299	CPT
414,024	-10	564149,785	4133124,997	528,000	CPT
414,024	7,146	564132,957	4133121,709	528,354	CPT
415	-10	564149,992	4133123,891	528,000	CPT
415	7,132	564133,131	4133120,857	528,368	CPT
420	-10	564150,796	4133118,186	528,000	CPT
420	7,061	564133,823	4133116,453	528,439	CPT
425	-10	564151,162	4133112,435	528,000	CPT
425	7,047	564134,120	4133112,002	528,452	CPT
430	-10	564151,088	4133106,674	528,000	CPT
430	7,034	564134,076	4133107,541	528,466	CPT
435	-10	564150,576	4133100,935	528,000	CPT
435	7,014	564133,700	4133103,094	528,486	CPT
440	-10	564149,627	4133095,252	528,000	CPT
440	6,993	564132,985	4133098,688	528,507	CPT
445	-10	564148,247	4133089,657	528,000	CPT
445	6,967	564131,941	4133094,345	528,533	CPT
450	-10	564146,445	4133084,184	528,000	CPT
450	6,941	564130,568	4133090,093	528,559	CPT
451,938	-10	564145,635	4133082,102	528,000	CPT
451,938	6,929	564129,950	4133088,474	528,571	CPT
460	-10	564142,601	4133074,633	528,000	CPT
460	6,886	564126,956	4133080,989	528,614	CPT
470	-10	564138,837	4133065,369	528,000	CPT
470	6,851	564123,225	4133071,711	528,649	CPT
480	-10	564135,073	4133056,104	528,000	CPT
480	6,815	564119,495	4133062,432	528,685	CPT
490	-10	564131,310	4133046,839	528,000	CPT
490	6,816	564115,731	4133053,168	528,684	CPT

500	-10	564127,546	4133037,574	528,000	CPT
500	6,816	564111,966	4133043,903	528,684	CPT
510	-10	564123,782	4133028,310	528,000	CPT
510	6,816	564108,203	4133034,639	528,684	CPT
520	-10	564120,019	4133019,045	528,000	CPT
520	6,815	564104,440	4133025,374	528,685	CPT
530	-10	564116,255	4133009,780	528,000	CPT
530	6,815	564100,676	4133016,109	528,685	CPT
540	-10	564112,491	4133000,516	528,000	CPT
540	6,815	564096,913	4133006,844	528,685	CPT
550	-9,046	564107,844	4132991,610	528,636	CPT
550	6,664	564093,289	4132997,523	528,836	CPT
560	-8,092	564103,196	4132982,704	529,272	CPT
560	6,513	564089,665	4132988,201	528,987	CPT
570	-7,173	564098,581	4132973,785	529,885	CPT
570	6,297	564086,101	4132978,855	529,202	CPT
580	-6,254	564093,966	4132964,867	530,497	CPT
580	6,082	564082,537	4132969,509	529,418	CPT
590	-15,185	564098,477	4132952,240	524,543	CPT
590	6,035	564078,817	4132960,227	529,465	CPT
600	-24,117	564102,988	4132939,614	518,589	CPT
600	5,988	564075,097	4132950,945	529,512	CPT
610	-21,349	564096,660	4132931,391	520,435	CPT
610	7,795	564069,659	4132942,360	527,705	CPT
620	-18,581	564090,332	4132923,168	522,280	CPT
620	9,602	564064,221	4132933,775	525,898	CPT
630	-13,993	564082,317	4132915,631	525,339	CPT
630	10,128	564059,970	4132924,709	525,371	CPT
640	-9,404	564074,303	4132908,093	528,397	CPT
640	10,655	564055,719	4132915,642	524,845	CPT
650	-5,381	564066,812	4132900,342	531,612	CPT
650	5,947	564056,317	4132904,606	529,553	CPT
654,612	-3,526	564063,358	4132896,767	533,095	CPT
654,612	3,776	564056,592	4132899,516	531,724	CPT
655,612	-3,124	564062,609	4132895,993	533,416	CPT
655,612	3,305	564056,652	4132898,412	532,195	CPT
655,612	-3,124	564062,609	4132895,993	533,416	CPT
655,612	3,305	564056,652	4132898,412	532,195	CPT

LISTADO DE REPLANTEO CUNETAS

P.K.	RET	Coord. X	Coord. Y	Coord. Z	Código
0	-4,423	563821,974	4133275,172	532,148	402
0	-4,065	563822,037	4133274,819	531,790	401
0	-3,565	563822,125	4133274,327	532,290	400
10	-7,712	563831,242	4133280,165	530,074	402
10	-7,283	563831,317	4133279,742	529,645	401
10	-6,783	563831,405	4133279,250	530,145	400
20	-11	563840,509	4133285,158	528,000	402
20	-10,5	563840,597	4133284,665	527,500	401
20	-10	563840,685	4133284,173	528,000	400
30	-11	563850,354	4133286,913	528,000	402
30	-10,5	563850,442	4133286,421	527,500	401
30	-10	563850,529	4133285,929	528,000	400
40	-11	563860,199	4133288,668	528,000	402
40	-10,5	563860,286	4133288,176	527,500	401
40	-10	563860,374	4133287,684	528,000	400
50	-11	563870,043	4133290,424	528,000	402
50	-10,5	563870,131	4133289,932	527,500	401
50	-10	563870,219	4133289,439	528,000	400
60	-11	563879,888	4133292,179	528,000	402
60	-10,5	563879,976	4133291,687	527,500	401
60	-10	563880,064	4133291,195	528,000	400
70	-11	563889,733	4133293,935	528,000	402
70	-10,5	563889,820	4133293,443	527,500	401
70	-10	563889,908	4133292,950	528,000	400
80	-11	563899,577	4133295,690	528,000	402
80	-10,5	563899,665	4133295,198	527,500	401
80	-10	563899,753	4133294,706	528,000	400
80,549	-11	563900,118	4133295,787	528,000	402
80,549	-10,5	563900,205	4133295,294	527,500	401
80,549	-10	563900,293	4133294,802	528,000	400
85	-11	563905,797	4133296,464	528,000	402
85	-10,5	563905,828	4133295,965	527,500	401
85	-10	563905,858	4133295,465	528,000	400
90	-11	563912,221	4133296,437	528,000	402
90	-10,5	563912,187	4133295,939	527,500	401
90	-10	563912,152	4133295,440	528,000	400
95	-11	563918,588	4133295,579	528,000	402
95	-10,5	563918,489	4133295,089	527,500	401
95	-10	563918,390	4133294,599	528,000	400
100	-11	563924,790	4133293,904	528,000	402
100	-10,5	563924,628	4133293,431	527,500	401
100	-10	563924,467	4133292,958	528,000	400
104,488	-11	563930,129	4133291,727	528,000	402
104,488	-10,5	563929,914	4133291,276	527,500	401
104,488	-10	563929,699	4133290,825	528,000	400
110	-11	563935,104	4133289,353	528,000	402

110	-10,5	563934,889	4133288,902	527,500	401
110	-10	563934,673	4133288,450	528,000	400
120	-11	563944,129	4133285,045	528,000	402
120	-10,5	563943,914	4133284,594	527,500	401
120	-10	563943,698	4133284,143	528,000	400
130	-11	563953,154	4133280,738	528,000	402
130	-10,5	563952,938	4133280,286	527,500	401
130	-10	563952,723	4133279,835	528,000	400
140	-11	563962,178	4133276,430	528,000	402
140	-10,5	563961,963	4133275,979	527,500	401
140	-10	563961,748	4133275,528	528,000	400
150	-11	563971,203	4133272,123	528,000	402
150	-10,5	563970,988	4133271,671	527,500	401
150	-10	563970,772	4133271,220	528,000	400
160	-11	563980,228	4133267,815	528,000	402
160	-10,5	563980,012	4133267,364	527,500	401
160	-10	563979,797	4133266,913	528,000	400
170	-11	563989,252	4133263,507	528,000	402
170	-10,5	563989,037	4133263,056	527,500	401
170	-10	563988,822	4133262,605	528,000	400
180	-11	563998,277	4133259,200	528,000	402
180	-10,5	563998,062	4133258,749	527,500	401
180	-10	563997,846	4133258,297	528,000	400
190	-11	564007,302	4133254,892	528,000	402
190	-10,5	564007,086	4133254,441	527,500	401
190	-10	564006,871	4133253,990	528,000	400
193,336	-11	564010,312	4133253,455	528,000	402
193,336	-10,5	564010,097	4133253,004	527,500	401
193,336	-10	564009,882	4133252,553	528,000	400
195	-11	564011,553	4133252,884	528,000	402
195	-10,5	564011,350	4133252,427	527,500	401
195	-10	564011,147	4133251,970	528,000	400
200	-11	564015,369	4133251,370	528,000	402
200	-10,5	564015,203	4133250,898	527,500	401
200	-10	564015,038	4133250,426	528,000	400
205	-11	564019,294	4133250,172	528,000	402
205	-10,5	564019,168	4133249,688	527,500	401
205	-10	564019,041	4133249,204	528,000	400
210	-11	564023,304	4133249,296	528,000	402
210	-10,5	564023,218	4133248,803	527,500	401
210	-10	564023,131	4133248,311	528,000	400
215	-11	564027,372	4133248,749	528,000	402
215	-10,5	564027,326	4133248,251	527,500	401
215	-10	564027,279	4133247,753	528,000	400
220	-11	564031,471	4133248,533	528,000	402
220	-10,5	564031,465	4133248,033	527,500	401
220	-10	564031,459	4133247,534	528,000	400
222,855	-11	564033,815	4133248,560	528,000	402
222,855	-10,5	564033,833	4133248,061	527,500	401
222,855	-10	564033,850	4133247,561	528,000	400

230	-11	564040,956	4133248,808	528,000	402
230	-10,5	564040,973	4133248,308	527,500	401
230	-10	564040,990	4133247,808	528,000	400
240	-11	564050,950	4133249,154	528,000	402
240	-10,5	564050,967	4133248,655	527,500	401
240	-10	564050,984	4133248,155	528,000	400
250	-11	564060,944	4133249,501	528,000	402
250	-10,5	564060,961	4133249,001	527,500	401
250	-10	564060,978	4133248,501	528,000	400
260	-11	564070,938	4133249,847	528,000	402
260	-10,5	564070,955	4133249,348	527,500	401
260	-10	564070,972	4133248,848	528,000	400
270	-11	564080,932	4133250,194	528,000	402
270	-10,5	564080,949	4133249,694	527,500	401
270	-10	564080,966	4133249,194	528,000	400
272,905	-11	564083,835	4133250,294	528,000	402
272,905	-10,5	564083,853	4133249,795	527,500	401
272,905	-10	564083,870	4133249,295	528,000	400
275	-11	564086,528	4133250,314	528,000	402
275	-10,5	564086,518	4133249,815	527,500	401
275	-10	564086,508	4133249,315	528,000	400
280	-11	564092,929	4133249,771	528,000	402
280	-10,5	564092,855	4133249,277	527,500	401
280	-10	564092,780	4133248,782	528,000	400
285	-11	564099,206	4133248,403	528,000	402
285	-10,5	564099,068	4133247,923	527,500	401
285	-10	564098,930	4133247,442	528,000	400
290	-11	564105,253	4133246,234	528,000	402
290	-10,5	564105,054	4133245,776	527,500	401
290	-10	564104,855	4133245,317	528,000	400
295	-11	564110,968	4133243,300	528,000	402
295	-10,5	564110,711	4133242,871	527,500	401
295	-10	564110,454	4133242,442	528,000	400
300	-11	564116,254	4133239,651	528,000	402
300	-10,5	564115,944	4133239,259	527,500	401
300	-10	564115,634	4133238,867	528,000	400
305	-11	564121,024	4133235,348	528,000	402
305	-10,5	564120,666	4133234,999	527,500	401
305	-10	564120,308	4133234,650	528,000	400
310	-11	564125,196	4133230,463	528,000	402
310	-10,5	564124,796	4133230,163	527,500	401
310	-10	564124,395	4133229,864	528,000	400
315	-11	564128,701	4133225,079	528,000	402
315	-10,5	564128,265	4133224,834	527,500	401
315	-10	564127,829	4133224,589	528,000	400
320	-11	564131,479	4133219,286	528,000	402
320	-10,5	564131,015	4133219,100	527,500	401
320	-10	564130,551	4133218,913	528,000	400
325	-11	564133,483	4133213,183	528,000	402
325	-10,5	564132,999	4133213,058	527,500	401

325	-10	564132,514	4133212,933	528,000	400
327,286	-11	564134,132	4133210,317	528,000	402
327,286	-10,5	564133,641	4133210,221	527,500	401
327,286	-10	564133,150	4133210,125	528,000	400
330	-11	564134,652	4133207,653	528,000	402
330	-10,5	564134,162	4133207,557	527,500	401
330	-10	564133,671	4133207,461	528,000	400
340	-11	564136,570	4133197,839	528,000	402
340	-10,5	564136,079	4133197,743	527,500	401
340	-10	564135,589	4133197,647	528,000	400
350	-11	564138,488	4133188,024	528,000	402
350	-10,5	564137,997	4133187,929	527,500	401
350	-10	564137,506	4133187,833	528,000	400
360	-11	564140,406	4133178,210	528,000	402
360	-10,5	564139,915	4133178,114	527,500	401
360	-10	564139,424	4133178,018	528,000	400
370	-11	564142,323	4133168,396	528,000	402
370	-10,5	564141,833	4133168,300	527,500	401
370	-10	564141,342	4133168,204	528,000	400
380	-11	564144,241	4133158,581	528,000	402
380	-10,5	564143,750	4133158,485	527,500	401
380	-10	564143,260	4133158,390	528,000	400
390	-11	564146,159	4133148,767	528,000	402
390	-10,5	564145,668	4133148,671	527,500	401
390	-10	564145,177	4133148,575	528,000	400
400	-11	564148,077	4133138,953	528,000	402
400	-10,5	564147,586	4133138,857	527,500	401
400	-10	564147,095	4133138,761	528,000	400
410	-11	564149,994	4133129,138	528,000	402
410	-10,5	564149,504	4133129,042	527,500	401
410	-10	564149,013	4133128,946	528,000	400
414,024	-11	564150,766	4133125,189	528,000	402
414,024	-10,5	564150,275	4133125,093	527,500	401
414,024	-10	564149,785	4133124,997	528,000	400
415	-11	564150,976	4133124,069	528,000	402
415	-10,5	564150,484	4133123,980	527,500	401
415	-10	564149,992	4133123,891	528,000	400
420	-11	564151,791	4133118,287	528,000	402
420	-10,5	564151,293	4133118,237	527,500	401
420	-10	564150,796	4133118,186	528,000	400
425	-11	564152,161	4133112,461	528,000	402
425	-10,5	564151,662	4133112,448	527,500	401
425	-10	564151,162	4133112,435	528,000	400
430	-11	564152,087	4133106,623	528,000	402
430	-10,5	564151,588	4133106,648	527,500	401
430	-10	564151,088	4133106,674	528,000	400
435	-11	564151,567	4133100,808	528,000	402
435	-10,5	564151,071	4133100,871	527,500	401
435	-10	564150,576	4133100,935	528,000	400
440	-11	564150,606	4133095,049	528,000	402

440	-10,5	564150,116	4133095,150	527,500	401
440	-10	564149,627	4133095,252	528,000	400
445	-11	564149,208	4133089,381	528,000	402
445	-10,5	564148,728	4133089,519	527,500	401
445	-10	564148,247	4133089,657	528,000	400
450	-11	564147,382	4133083,836	528,000	402
450	-10,5	564146,913	4133084,010	527,500	401
450	-10	564146,445	4133084,184	528,000	400
451,938	-11	564146,561	4133081,726	528,000	402
451,938	-10,5	564146,098	4133081,914	527,500	401
451,938	-10	564145,635	4133082,102	528,000	400
460	-11	564143,527	4133074,257	528,000	402
460	-10,5	564143,064	4133074,445	527,500	401
460	-10	564142,601	4133074,633	528,000	400
470	-11	564139,763	4133064,992	528,000	402
470	-10,5	564139,300	4133065,180	527,500	401
470	-10	564138,837	4133065,369	528,000	400
480	-11	564136,000	4133055,728	528,000	402
480	-10,5	564135,537	4133055,916	527,500	401
480	-10	564135,073	4133056,104	528,000	400
490	-11	564132,236	4133046,463	528,000	402
490	-10,5	564131,773	4133046,651	527,500	401
490	-10	564131,310	4133046,839	528,000	400
500	-11	564128,472	4133037,198	528,000	402
500	-10,5	564128,009	4133037,386	527,500	401
500	-10	564127,546	4133037,574	528,000	400
510	-11	564124,709	4133027,933	528,000	402
510	-10,5	564124,246	4133028,122	527,500	401
510	-10	564123,782	4133028,310	528,000	400
520	-11	564120,945	4133018,669	528,000	402
520	-10,5	564120,482	4133018,857	527,500	401
520	-10	564120,019	4133019,045	528,000	400
530	-11	564117,182	4133009,404	528,000	402
530	-10,5	564116,718	4133009,592	527,500	401
530	-10	564116,255	4133009,780	528,000	400
540	-11,001	564113,419	4133000,139	528,001	402
540	-10,5	564112,955	4133000,327	527,500	401
540	-10	564112,491	4133000,516	528,000	400
550	-10,047	564108,772	4132991,233	528,638	402
550	-9,546	564108,307	4132991,422	528,136	401
550	-9,046	564107,844	4132991,610	528,636	400
560	-9,094	564104,125	4132982,327	529,274	402
560	-8,592	564103,660	4132982,516	528,772	401
560	-8,092	564103,196	4132982,704	529,272	400
570	-8,166	564099,502	4132973,412	529,878	402
570	-7,673	564099,044	4132973,597	529,385	401
570	-7,173	564098,581	4132973,785	529,885	400
580	-7,239	564094,879	4132964,496	530,482	402
580	-6,754	564094,429	4132964,678	529,997	401
580	-6,254	564093,966	4132964,867	530,497	400
590	-16,397	564099,600	4132951,784	524,754	402
590	-15,685	564098,941	4132952,052	524,043	401
590	-15,185	564098,477	4132952,240	524,543	400
600	-25,555	564104,321	4132939,073	519,026	402
600	-24,617	564103,452	4132939,426	518,089	401
600	-24,117	564102,988	4132939,614	518,589	400
610	-22,764	564097,971	4132930,859	520,849	402
610	-21,849	564097,123	4132931,203	519,935	401
610	-21,349	564096,660	4132931,391	520,435	400
620	-19,972	564091,621	4132922,645	522,671	402
620	-19,081	564090,795	4132922,980	521,780	401
620	-18,581	564090,332	4132923,168	522,280	400
630	-15,294	564083,523	4132915,141	525,640	402
630	-14,493	564082,781	4132915,442	524,839	401
630	-13,993	564082,317	4132915,631	525,339	400
640	-10,616	564075,425	4132907,637	528,610	402
640	-9,904	564074,766	4132907,905	527,897	401
640	-9,404	564074,303	4132908,093	528,397	400

■ Canal

LISTADO DE EJE EN PLANTA

Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Parametro	Longitud
Cur	0	563808,199	4133303,469	40,858822	24,165	0	5
Cur	5	563811,583	4133307,137	54,031184	24,165	0	5
Cur	10	563815,651	4133310,029	68,158233	12,356	0	5
Cur	15	563820,398	4133311,486	93,92045	12,356	0	5
Cur	20	563825,392	4133311,371	104,256016	92,647	0	5
Cur	25	563830,359	4133310,828	112,968733	17,655	0	5
Cur	30	563835,153	4133309,419	121,300391	56,754	0	5
Cur	35	563839,829	4133307,648	122,437263	-80,927	0	5
Cur	40	563844,572	4133306,068	118,503988	-80,927	0	5
Cur	45	563849,405	4133304,792	114,33587	-75,903	0	5
Cur	50	563854,313	4133303,841	109,732881	-56,331	0	5
Cur	55	563859,282	4133303,3	104,08213	-56,331	0	5
Cur	60	563864,254	4133303,614	86,486344	-16,613	0	5
Cur	65	563868,946	4133305,307	71,729567	-32,107	0	5
Cur	70	563873,276	4133307,798	61,815397	-32,107	0	5
Cur	75	563877,042	4133311,058	43,217822	-12,049	0	5
Cur	80	563880,199	4133314,933	46,71175	47,512	0	5
Cur	85	563884,298	4133317,528	92,431087	6,276	0	5
Cur	90	563889,183	4133316,666	118,532246	21,101	0	5
Cur	95	563893,759	4133314,68	133,616978	21,101	0	5
Cur	100	563897,809	4133311,758	137,400182	-10,111	0	5
Cur	105	563902,474	4133310,106	105,978145	-13,803	0	5
Cur	110	563907,436	4133310,503	85,258205	-18,388	0	5
Cur	115	563912,153	4133312,143	73,808563	-34,941	0	5
Cur	120	563916,43	4133314,704	57,24754	-18,725	0	5
Cur	125	563919,562	4133318,543	30,61559	-16,381	0	5
Cur	130	563921,559	4133323,126	24,715216	-156,671	0	5
Cur	135	563923,377	4133327,783	22,682785	-112,154	0	5
Cur	140	563925,016	4133332,507	19,844647	-112,154	0	5
Cur	145	563926,449	4133337,297	17,945803	121,012	0	5
Cur	150	563927,939	4133342,069	20,576208	121,012	0	5
Cur	155	563929,643	4133346,769	25,016312	34,27	0	5
Cur	160	563931,885	4133351,233	34,023081	40,225	0	5
Cur	165	563934,695	4133355,365	43,689068	7,271	0	5
Cur	170	563938,897	4133357,888	87,465358	7,271	0	5
Cur	175	563943,873	4133358,302	89,543961	-20,393	0	5
Cur	180	563948,657	4133359,713	73,935448	-20,393	0	5
Cur	185	563952,917	4133362,296	55,002632	-14,301	0	5
Cur	190	563956,08	4133366,135	32,744038	-14,301	0	5
Cur	195	563958,094	4133370,698	36,276763	6,875	0	5
Cur	200	563962,025	4133373,608	82,579706	6,875	0	5
Cur	205	563966,953	4133373,452	120,245111	8,773	0	5
Cur	210	563971,292	4133371	137,651062	67,752	0	5
Cur	215	563975,336	4133368,061	142,34919	67,752	0	5
Cur	220	563979,152	4133364,833	147,047319	67,752	0	5

Cur	225	563982,721	4133361,333	151,592882	86,405	0	5
Cur	230	563986,06	4133357,612	155,276816	86,405	0	5
Cur	235	563989,179	4133353,705	158,960751	86,405	0	5
Cur	240	563991,636	4133349,4	185,193166	7,112	0	5
Cur	245	563991,538	4133344,439	214,066438	12,853	0	5
Cur	250	563989,927	4133339,709	223,939389	66,545	0	5
Cur	255	563987,918	4133335,132	228,722737	66,545	0	5
Cur	260	563985,552	4133330,729	235,004829	36,089	0	5
Cur	265	563982,653	4133326,661	243,825014	36,089	0	5
Cur	270	563979,325	4133322,93	244,254945	-31,697	0	5
Cur	275	563976,438	4133318,854	234,212543	-31,697	0	5
Cur	280	563974,384	4133314,313	217,426347	-15,45	0	5
Cur	285	563973,762	4133309,367	201,493075	-41,741	0	5
Cur	290	563973,944	4133304,373	193,867281	-41,741	0	5
Cur	295	563974,741	4133299,441	184,36141	-21,714	0	5
Cur	300	563976,502	4133294,773	169,702271	-21,714	0	5
Cur	305	563979,282	4133290,631	155,043132	-21,714	0	5
Cur	310	563982,934	4133287,232	140,383993	-21,714	0	5
Cur	315	563987,262	4133284,748	127,498775	-164,187	0	5
Cur	320	563991,834	4133282,724	125,56007	-164,187	0	5
Cur	325	563996,465	4133280,84	123,621364	-164,187	0	5
Cur	330	564001,152	4133279,099	121,682659	-164,187	0	5
Cur	335	564005,889	4133277,5	119,743953	-164,187	0	5
Cur	340	564010,673	4133276,047	117,805248	-164,187	0	5
Cur	345	564015,499	4133274,74	115,866542	-164,187	0	5
Cur	350	564020,363	4133273,581	113,927837	-164,187	0	5
Cur	355	564025,259	4133272,57	111,989131	-164,187	0	5
Cur	360	564030,184	4133271,709	110,050426	-164,187	0	5
Cur	365	564035,133	4133270,998	108,111721	-164,187	0	5
Cur	370	564040,102	4133270,439	106,143054	-149,739	0	5
Cur	375	564045,086	4133270,04	104,017285	-149,739	0	5
Cur	380	564050,08	4133269,808	101,891516	-149,739	0	5
Cur	385	564055,079	4133269,743	99,765747	-149,739	0	5
Cur	390	564060,078	4133269,845	97,639978	-149,739	0	5
Cur	395	564065,071	4133270,112	95,994056	131,553	0	5
Cur	400	564070,066	4133270,331	98,413692	131,553	0	5
Cur	405	564075,065	4133270,361	100,833328	131,553	0	5
Cur	410	564080,062	4133270,2	103,252964	131,553	0	5
Cur	415	564085,05	4133269,85	105,6726	131,553	0	5
Cur	420	564090,02	4133269,305	108,524447	88,49	0	5
Cur	425	564094,953	4133268,498	112,121564	88,49	0	5
Cur	430	564099,834	4133267,413	115,718681	88,49	0	5
Cur	435	564104,645	4133266,055	119,315798	88,49	0	5
Cur	440	564109,372	4133264,427	122,912915	88,49	0	5
Cur	445	564114,02	4133262,585	124,941508	173,456	0	5
Cur	450	564118,613	4133260,61	126,776607	173,456	0	5
Cur	455	564123,147	4133258,503	128,611706	173,456	0	5
Cur	460	564127,619	4133256,266	130,446805	173,456	0	5
Cur	465	564132,024	4133253,901	132,281905	173,456	0	5
Cur	470	564136,359	4133251,41	134,117004	173,456	0	1,848
Cur	471,8	564137,943	4133250,458	134,795097			

LISTADO DE EJE EN ALZADO

Tipo	P.K.	Coord. X	Coord. Y	Diseño de elevación	Elevación existente	Diferencia de elevación
Cur	0	563808,199	4133303,469	526,369	526,669	0,300
Cur	5	563811,583	4133307,137	526,336	527,713	1,377
Cur	10	563815,651	4133310,029	526,303	527,732	1,429
Cur	15	563820,398	4133311,486	526,271	526,309	0,039
Cur	20	563825,392	4133311,371	526,238	527,320	1,082
Cur	25	563830,359	4133310,828	526,205	527,857	1,652
Cur	30	563835,153	4133309,419	526,172	526,601	0,429
Cur	35	563839,829	4133307,648	526,139	527,513	1,373
Cur	40	563844,572	4133306,068	526,107	527,711	1,604
Cur	45	563849,405	4133304,792	526,074	527,360	1,287
Cur	50	563854,313	4133303,841	526,041	526,863	0,822
Cur	55	563859,282	4133303,300	526,008	526,569	0,561
Cur	60	563864,254	4133303,614	525,975	526,839	0,864
Cur	65	563868,946	4133305,307	525,943	527,653	1,711
Cur	70	563873,276	4133307,798	525,910	527,608	1,698
Cur	75	563877,042	4133311,058	525,877	527,128	1,251
Cur	80	563880,199	4133314,933	525,844	526,541	0,697
Cur	85	563884,298	4133317,528	525,811	526,531	0,720
Cur	90	563889,183	4133316,666	525,778	526,499	0,721
Cur	95	563893,759	4133314,680	525,746	526,622	0,877
Cur	100	563897,809	4133311,758	525,713	526,567	0,854
Cur	105	563902,474	4133310,106	525,680	526,880	1,200
Cur	110	563907,436	4133310,503	525,647	526,761	1,114
Cur	115	563912,153	4133312,143	525,614	526,415	0,801
Cur	120	563916,430	4133314,704	525,582	526,439	0,857
Cur	125	563919,562	4133318,543	525,549	526,502	0,953
Cur	130	563921,559	4133323,126	525,516	526,467	0,951
Cur	135	563923,377	4133327,783	525,483	526,667	1,184
Cur	140	563925,016	4133332,507	525,450	527,028	1,578
Cur	145	563926,449	4133337,297	525,418	527,341	1,923
Cur	150	563927,939	4133342,069	525,385	527,449	2,064
Cur	155	563929,643	4133346,769	525,352	527,007	1,655
Cur	160	563931,885	4133351,233	525,319	527,130	1,811
Cur	165	563934,695	4133355,365	525,286	526,932	1,646
Cur	170	563938,897	4133357,888	525,254	527,423	2,169
Cur	175	563943,873	4133358,302	525,221	528,173	2,952
Cur	180	563948,657	4133359,713	525,188	528,672	3,484
Cur	185	563952,917	4133362,296	525,155	528,459	3,304
Cur	190	563956,080	4133366,135	525,122	525,744	0,622
Cur	195	563958,094	4133370,698	525,090	526,330	1,241
Cur	200	563962,025	4133373,608	525,057	524,946	-0,111
Cur	205	563966,953	4133373,452	525,024	526,171	1,147
Cur	210	563971,292	4133371,000	524,991	527,019	2,028
Cur	215	563975,336	4133368,061	524,958	527,225	2,266
Cur	220	563979,152	4133364,833	524,925	529,047	4,122
Cur	225	563982,721	4133361,333	524,893	528,492	3,599

Cur	230	563986,060	4133357,612	524,860	527,062	2,202
Cur	235	563989,179	4133353,705	524,827	526,124	1,297
Cur	240	563991,636	4133349,400	524,794	525,401	0,607
Cur	245	563991,538	4133344,439	524,761	525,385	0,623
Cur	250	563989,927	4133339,709	524,729	525,880	1,151
Cur	255	563987,918	4133335,132	524,696	526,341	1,645
Cur	260	563985,552	4133330,729	524,663	526,667	2,004
Cur	265	563982,653	4133326,661	524,630	526,740	2,110
Cur	270	563979,325	4133322,930	524,597	526,798	2,201
Cur	275	563976,438	4133318,854	524,565	526,738	2,173
Cur	280	563974,384	4133314,313	524,532	526,715	2,183
Cur	285	563973,762	4133309,367	524,499	526,802	2,303
Cur	290	563973,944	4133304,373	524,466	526,793	2,327
Cur	295	563974,741	4133299,441	524,433	526,356	1,923
Cur	300	563976,502	4133294,773	524,401	525,809	1,408
Cur	305	563979,282	4133290,631	524,368	525,323	0,955
Cur	310	563982,934	4133287,232	524,335	525,573	1,238
Cur	315	563987,262	4133284,748	524,302	526,272	1,970
Cur	320	563991,834	4133282,724	524,269	526,984	2,715
Cur	325	563996,465	4133280,840	524,237	527,458	3,221
Cur	330	564001,152	4133279,099	524,204	527,544	3,340
Cur	335	564005,889	4133277,500	524,171	527,228	3,057
Cur	340	564010,673	4133276,047	524,138	526,649	2,511
Cur	345	564015,499	4133274,740	524,105	525,953	1,848
Cur	350	564020,363	4133273,581	524,072	525,659	1,587
Cur	355	564025,259	4133272,570	524,040	526,920	2,880
Cur	360	564030,184	4133271,709	524,007	527,944	3,937
Cur	365	564035,133	4133270,998	523,974	527,932	3,958
Cur	370	564040,102	4133270,439	523,941	527,272	3,331
Cur	375	564045,086	4133270,040	523,908	526,656	2,747
Cur	380	564050,080	4133269,808	523,876	526,187	2,311
Cur	385	564055,079	4133269,743	523,843	525,964	2,121
Cur	390	564060,078	4133269,845	523,810	525,458	1,648
Cur	395	564065,071	4133270,112	523,777	524,838	1,061
Cur	400	564070,066	4133270,331	523,744	523,889	0,145
Cur	405	564075,065	4133270,361	523,712	524,269	0,558
Cur	410	564080,062	4133270,200	523,679	524,909	1,230
Cur	415	564085,050	4133269,850	523,646	525,013	1,367
Cur	420	564090,020	4133269,305	523,613	524,960	1,347
Cur	425	564094,953	4133268,498	523,580	525,545	1,965
Cur	430	564099,834	4133267,413	523,548	526,308	2,760
Cur	435	564104,645	4133266,055	523,515	526,319	2,805
Cur	440	564109,372	4133264,427	523,482	526,232	2,750
Cur	445	564114,020	4133262,585	523,449	526,477	3,028
Cur	450	564118,613	4133260,610	523,416	526,521	3,105
Cur	455	564123,147	4133258,503	523,384	526,571	3,187
Cur	460	564127,619	4133256,266	523,351	525,896	2,545
Cur	465	564132,024	4133253,901	523,318	525,013	1,695
Cur	470	564136,359	4133251,410	523,285	523,818	0,533
Cur	471,85	564137,943	4133250,458	523,273	522,973	0,300

LISTADO DE REPLANTEO PLATAFORMA

P.K.	RET	Coord. X	Coord. Y	Coord. Z	Código
0	-2	563806,597	4133304,666	527,669	Carril 3
0	-1,8	563806,757	4133304,547	527,669	Carril 2
0	-0,5	563807,798	4133303,768	526,369	Carril 1
0	0	563808,199	4133303,469	526,369	Eje
0	0,5	563808,599	4133303,170	526,369	Carril 1
0	2,45	563810,161	4133302,002	527,669	Carril 2
0	2,65	563810,321	4133301,883	527,669	Carril 3
5	-2	563810,261	4133308,638	527,636	Carril 3
5	-1,8	563810,394	4133308,488	527,636	Carril 2
5	-0,5	563811,253	4133307,512	526,336	Carril 1
5	0	563811,583	4133307,137	526,336	Eje
5	0,5	563811,914	4133306,762	526,336	Carril 1
5	2,45	563813,203	4133305,299	527,636	Carril 2
5	2,65	563813,335	4133305,148	527,636	Carril 3
9,621	-2	563814,308	4133311,567	527,606	Carril 3
9,621	-1,8	563814,410	4133311,394	527,606	Carril 2
9,621	-0,5	563815,068	4133310,273	526,306	Carril 1
9,621	0	563815,321	4133309,842	526,306	Eje
9,621	0,5	563815,574	4133309,411	526,306	Carril 1
9,621	2,45	563816,561	4133307,729	527,606	Carril 2
9,621	2,65	563816,663	4133307,557	527,606	Carril 3
10	-2	563814,692	4133311,784	527,603	Carril 3
10	-1,8	563814,788	4133311,609	527,603	Carril 2
10	-0,5	563815,411	4133310,468	526,303	Carril 1
10	0	563815,651	4133310,029	526,303	Eje
10	0,5	563815,891	4133309,590	526,303	Carril 1
10	2,45	563816,826	4133307,879	527,603	Carril 2
10	2,65	563816,922	4133307,704	527,603	Carril 3
15	-2	563820,207	4133313,477	527,571	Carril 3
15	-1,8	563820,227	4133313,278	527,571	Carril 2
15	-0,5	563820,350	4133311,984	526,271	Carril 1
15	0	563820,398	4133311,486	526,271	Eje
15	0,5	563820,446	4133310,989	526,271	Carril 1
15	2,45	563820,632	4133309,047	527,571	Carril 2
15	2,65	563820,651	4133308,848	527,571	Carril 3
16,545	-2	563822,001	4133313,536	527,560	Carril 3
16,545	-1,8	563821,995	4133313,336	527,560	Carril 2
16,545	-0,5	563821,956	4133312,037	526,260	Carril 1
16,545	0	563821,942	4133311,537	526,260	Eje
16,545	0,5	563821,927	4133311,037	526,260	Carril 1
16,545	2,45	563821,869	4133309,088	527,560	Carril 2
16,545	2,65	563821,863	4133308,888	527,560	Carril 3
20	-2	563825,526	4133313,366	527,538	Carril 3
20	-1,8	563825,512	4133313,167	527,538	Carril 2
20	-0,5	563825,426	4133311,870	526,238	Carril 1
20	0	563825,392	4133311,371	526,238	Eje
20	0,5	563825,359	4133310,872	526,238	Carril 1
20	2,45	563825,228	4133308,926	527,538	Carril 2
20	2,65	563825,215	4133308,727	527,538	Carril 3
23,192	-2	563828,775	4133313,092	527,517	Carril 3
23,192	-1,8	563828,755	4133312,893	527,517	Carril 2
23,192	-0,5	563828,623	4133311,600	526,217	Carril 1
23,192	0	563828,573	4133311,103	526,217	Eje
23,192	0,5	563828,522	4133310,605	526,217	Carril 1
23,192	2,45	563828,325	4133308,665	527,517	Carril 2
23,192	2,65	563828,305	4133308,466	527,517	Carril 3

25	-2	563830,764	4133312,787	527,505	Carril 3
25	-1,8	563830,723	4133312,591	527,505	Carril 2
25	-0,5	563830,460	4133311,318	526,205	Carril 1
25	0	563830,359	4133310,828	526,205	Eje
25	0,5	563830,258	4133310,338	526,205	Carril 1
25	2,45	563829,863	4133308,429	527,505	Carril 2
25	2,65	563829,823	4133308,233	527,505	Carril 3
26,096	-2	563831,950	4133312,503	527,498	Carril 3
26,096	-1,8	563831,898	4133312,310	527,498	Carril 2
26,096	-0,5	563831,556	4133311,056	526,198	Carril 1
26,096	0	563831,425	4133310,573	526,198	Eje
26,096	0,5	563831,294	4133310,091	526,198	Carril 1
26,096	2,45	563830,781	4133308,209	527,498	Carril 2
26,096	2,65	563830,729	4133308,016	527,498	Carril 3
30	-2	563835,810	4133311,308	527,472	Carril 3
30	-1,8	563835,744	4133311,119	527,472	Carril 2
30	-0,5	563835,318	4133309,891	526,172	Carril 1
30	0	563835,153	4133309,419	526,172	Eje
30	0,5	563834,989	4133308,947	526,172	Carril 1
30	2,45	563834,349	4133307,105	527,472	Carril 2
30	2,65	563834,283	4133306,916	527,472	Carril 3
32,657	-2	563838,386	4133310,344	527,455	Carril 3
32,657	-1,8	563838,311	4133310,159	527,455	Carril 2
32,657	-0,5	563837,828	4133308,952	526,155	Carril 1
32,657	0	563837,641	4133308,488	526,155	Eje
32,657	0,5	563837,455	4133308,024	526,155	Carril 1
32,657	2,45	563836,730	4133306,214	527,455	Carril 2
32,657	2,65	563836,655	4133306,029	527,455	Carril 3
35	-2	563840,519	4133309,525	527,439	Carril 3
35	-1,8	563840,450	4133309,337	527,439	Carril 2
35	-0,5	563840,001	4133308,117	526,139	Carril 1
35	0	563839,829	4133307,648	526,139	Eje
35	0,5	563839,656	4133307,178	526,139	Carril 1
35	2,45	563838,983	4133305,348	527,439	Carril 2
35	2,65	563838,914	4133305,160	527,439	Carril 3
40	-2	563845,145	4133307,984	527,407	Carril 3
40	-1,8	563845,087	4133307,792	527,407	Carril 2
40	-0,5	563844,715	4133306,547	526,107	Carril 1
40	0	563844,572	4133306,068	526,107	Eje
40	0,5	563844,428	4133305,589	526,107	Carril 1
40	2,45	563843,869	4133303,720	527,407	Carril 2
40	2,65	563843,812	4133303,529	527,407	Carril 3
40,49	-2	563845,603	4133307,848	527,403	Carril 3
40,49	-1,8	563845,547	4133307,656	527,403	Carril 2
40,49	-0,5	563845,182	4133306,409	526,103	Carril 1
40,49	0	563845,041	4133305,929	526,103	Eje
40,49	0,5	563844,901	4133305,449	526,103	Carril 1
40,49	2,45	563844,353	4133303,577	527,403	Carril 2
40,49	2,65	563844,297	4133303,385	527,403	Carril 3
45	-2	563849,852	4133306,741	527,374	Carril 3
45	-1,8	563849,807	4133306,546	527,374	Carril 2
45	-0,5	563849,517	4133305,279	526,074	Carril 1
45	0	563849,405	4133304,792	526,074	Eje
45	0,5	563849,293	4133304,304	526,074	Carril 1
45	2,45	563848,858	4133302,403	527,374	Carril 2
45	2,65	563848,813	4133302,209	527,374	Carril 3
48,595	-2	563853,281	4133306,041	527,350	Carril 3
48,595	-1,8	563853,246	4133305,844	527,350	Carril 2
48,595	-0,5	563853,016	4133304,564	526,050	Carril 1
48,595	0	563852,927	4133304,072	526,050	Eje

48,595	0,5	563852,839	4133303,580	526,050	Carril 1
48,595	2,45	563852,494	4133301,661	527,350	Carril 2
48,595	2,65	563852,459	4133301,464	527,350	Carril 3
50	-2	563854,617	4133305,818	527,341	Carril 3
50	-1,8	563854,587	4133305,620	527,341	Carril 2
50	-0,5	563854,389	4133304,335	526,041	Carril 1
50	0	563854,313	4133303,841	526,041	Eje
50	0,5	563854,237	4133303,347	526,041	Carril 1
50	2,45	563853,940	4133301,419	527,341	Carril 2
50	2,65	563853,909	4133301,222	527,341	Carril 3
55	-2	563859,410	4133305,296	527,308	Carril 3
55	-1,8	563859,397	4133305,096	527,308	Carril 2
55	-0,5	563859,314	4133303,799	526,008	Carril 1
55	0	563859,282	4133303,300	526,008	Eje
55	0,5	563859,250	4133302,801	526,008	Carril 1
55	2,45	563859,125	4133300,855	527,308	Carril 2
55	2,65	563859,112	4133300,655	527,308	Carril 3
55,579	-2	563859,968	4133305,263	527,304	Carril 3
55,579	-1,8	563859,957	4133305,063	527,304	Carril 2
55,579	-0,5	563859,887	4133303,765	526,004	Carril 1
55,579	0	563859,860	4133303,266	526,004	Eje
55,579	0,5	563859,833	4133302,766	526,004	Carril 1
55,579	2,45	563859,728	4133300,819	527,304	Carril 2
55,579	2,65	563859,717	4133300,619	527,304	Carril 3
60	-2	563863,833	4133305,569	527,275	Carril 3
60	-1,8	563863,875	4133305,374	527,275	Carril 2
60	-0,5	563864,149	4133304,103	525,975	Carril 1
60	0	563864,254	4133303,614	525,975	Eje
60	0,5	563864,359	4133303,126	525,975	Carril 1
60	2,45	563864,770	4133301,219	527,275	Carril 2
60	2,65	563864,812	4133301,024	527,275	Carril 3
62,619	-2	563866,037	4133306,230	527,258	Carril 3
62,619	-1,8	563866,109	4133306,043	527,258	Carril 2
62,619	-0,5	563866,579	4133304,831	525,958	Carril 1
62,619	0	563866,760	4133304,365	525,958	Eje
62,619	0,5	563866,941	4133303,899	525,958	Carril 1
62,619	2,45	563867,646	4133302,081	527,258	Carril 2
62,619	2,65	563867,718	4133301,894	527,258	Carril 3
65	-2	563868,087	4133307,114	527,243	Carril 3
65	-1,8	563868,173	4133306,933	527,243	Carril 2
65	-0,5	563868,731	4133305,759	525,943	Carril 1
65	0	563868,946	4133305,307	525,943	Eje
65	0,5	563869,161	4133304,856	525,943	Carril 1
65	2,45	563869,999	4133303,095	527,243	Carril 2
65	2,65	563870,085	4133302,915	527,243	Carril 3
70	-2	563872,147	4133309,449	527,210	Carril 3
70	-1,8	563872,260	4133309,284	527,210	Carril 2
70	-0,5	563872,994	4133308,210	525,910	Carril 1
70	0	563873,276	4133307,798	525,910	Eje
70	0,5	563873,558	4133307,385	525,910	Carril 1
70	2,45	563874,659	4133305,775	527,210	Carril 2
70	2,65	563874,772	4133305,610	527,210	Carril 3
72,369	-2	563873,933	4133310,769	527,194	Carril 3
72,369	-1,8	563874,058	4133310,613	527,194	Carril 2
72,369	-0,5	563874,869	4133309,597	525,894	Carril 1
72,369	0	563875,181	4133309,206	525,894	Eje
72,369	0,5	563875,492	4133308,815	525,894	Carril 1
72,369	2,45	563876,709	4133307,291	527,194	Carril 2
72,369	2,65	563876,834	4133307,135	527,194	Carril 3
75	-2	563875,486	4133312,314	527,177	Carril 3

75	-1,8	563875,641	4133312,188	527,177	Carril 2
75	-0,5	563876,653	4133311,372	525,877	Carril 1
75	0	563877,042	4133311,058	525,877	Eje
75	0,5	563877,431	4133310,744	525,877	Carril 1
75	2,45	563878,949	4133309,519	527,177	Carril 2
75	2,65	563879,105	4133309,394	527,177	Carril 3
75,484	-2	563875,733	4133312,633	527,174	Carril 3
75,484	-1,8	563875,893	4133312,513	527,174	Carril 2
75,484	-0,5	563876,937	4133311,738	525,874	Carril 1
75,484	0	563877,338	4133311,440	525,874	Eje
75,484	0,5	563877,740	4133311,142	525,874	Carril 1
75,484	2,45	563879,305	4133309,980	527,174	Carril 2
75,484	2,65	563879,466	4133309,861	527,174	Carril 3
80	-2	563878,713	4133316,272	527,144	Carril 3
80	-1,8	563878,862	4133316,138	527,144	Carril 2
80	-0,5	563879,827	4133315,268	525,844	Carril 1
80	0	563880,199	4133314,933	525,844	Eje
80	0,5	563880,570	4133314,598	525,844	Carril 1
80	2,45	563882,018	4133313,292	527,144	Carril 2
80	2,65	563882,167	4133313,158	527,144	Carril 3
81,656	-2	563879,891	4133317,534	527,133	Carril 3
81,656	-1,8	563880,035	4133317,395	527,133	Carril 2
81,656	-0,5	563880,970	4133316,491	525,833	Carril 1
81,656	0	563881,329	4133316,143	525,833	Eje
81,656	0,5	563881,689	4133315,796	525,833	Carril 1
81,656	2,45	563883,090	4133314,440	527,133	Carril 2
81,656	2,65	563883,234	4133314,301	527,133	Carril 3
83,933	-2	563882,684	4133319,229	527,118	Carril 3
83,933	-1,8	563882,741	4133319,037	527,118	Carril 2
83,933	-0,5	563883,111	4133317,791	525,818	Carril 1
83,933	0	563883,254	4133317,312	525,818	Eje
83,933	0,5	563883,396	4133316,832	525,818	Carril 1
83,933	2,45	563883,952	4133314,963	527,118	Carril 2
83,933	2,65	563884,009	4133314,772	527,118	Carril 3
85	-2	563884,060	4133319,513	527,111	Carril 3
85	-1,8	563884,084	4133319,315	527,111	Carril 2
85	-0,5	563884,238	4133318,024	525,811	Carril 1
85	0	563884,298	4133317,528	525,811	Eje
85	0,5	563884,357	4133317,031	525,811	Carril 1
85	2,45	563884,588	4133315,095	527,111	Carril 2
85	2,65	563884,612	4133314,896	527,111	Carril 3
86,632	-2	563886,206	4133319,490	527,101	Carril 3
86,632	-1,8	563886,178	4133319,292	527,101	Carril 2
86,632	-0,5	563885,995	4133318,005	525,801	Carril 1
86,632	0	563885,925	4133317,510	525,801	Eje
86,632	0,5	563885,854	4133317,015	525,801	Carril 1
86,632	2,45	563885,580	4133315,084	527,101	Carril 2
86,632	2,65	563885,552	4133314,886	527,101	Carril 3
87,431	-2	563887,208	4133319,290	527,095	Carril 3
87,431	-1,8	563887,158	4133319,096	527,095	Carril 2
87,431	-0,5	563886,833	4133317,837	525,795	Carril 1
87,431	0	563886,708	4133317,353	525,795	Eje
87,431	0,5	563886,583	4133316,869	525,795	Carril 1
87,431	2,45	563886,096	4133314,981	527,095	Carril 2
87,431	2,65	563886,046	4133314,787	527,095	Carril 3
89,936	-2	563889,690	4133318,602	527,079	Carril 3
89,936	-1,8	563889,633	4133318,410	527,079	Carril 2
89,936	-0,5	563889,264	4133317,164	525,779	Carril 1
89,936	0	563889,122	4133316,685	525,779	Eje
89,936	0,5	563888,980	4133316,205	525,779	Carril 1

89,936	2,45	563888,426	4133314,335	527,079	Carril 2
89,936	2,65	563888,369	4133314,144	527,079	Carril 3
90	-2	563889,757	4133318,582	527,078	Carril 3
90	-1,8	563889,700	4133318,390	527,078	Carril 2
90	-0,5	563889,327	4133317,145	525,778	Carril 1
90	0	563889,183	4133316,666	525,778	Eje
90	0,5	563889,040	4133316,187	525,778	Carril 1
90	2,45	563888,480	4133314,319	527,078	Carril 2
90	2,65	563888,423	4133314,128	527,078	Carril 3
95	-2	563894,767	4133316,407	527,046	Carril 3
95	-1,8	563894,666	4133316,235	527,046	Carril 2
95	-0,5	563894,011	4133315,112	525,746	Carril 1
95	0	563893,759	4133314,680	525,746	Eje
95	0,5	563893,507	4133314,248	525,746	Carril 1
95	2,45	563892,525	4133312,563	527,046	Carril 2
95	2,65	563892,424	4133312,391	527,046	Carril 3
98,787	-2	563898,141	4133314,009	527,021	Carril 3
98,787	-1,8	563898,011	4133313,857	527,021	Carril 2
98,787	-0,5	563897,167	4133312,869	525,721	Carril 1
98,787	0	563896,842	4133312,489	525,721	Eje
98,787	0,5	563896,517	4133312,109	525,721	Carril 1
98,787	2,45	563895,249	4133310,627	527,021	Carril 2
98,787	2,65	563895,119	4133310,475	527,021	Carril 3
100	-2	563898,917	4133313,423	527,013	Carril 3
100	-1,8	563898,807	4133313,256	527,013	Carril 2
100	-0,5	563898,086	4133312,174	525,713	Carril 1
100	0	563897,809	4133311,758	525,713	Eje
100	0,5	563897,532	4133311,342	525,713	Carril 1
100	2,45	563896,451	4133309,719	527,013	Carril 2
100	2,65	563896,340	4133309,552	527,013	Carril 3
104,964	-2	563902,631	4133312,101	526,980	Carril 3
104,964	-1,8	563902,612	4133311,901	526,980	Carril 2
104,964	-0,5	563902,487	4133310,607	525,680	Carril 1
104,964	0	563902,438	4133310,110	525,680	Eje
104,964	0,5	563902,390	4133309,612	525,680	Carril 1
104,964	2,45	563902,202	4133307,671	526,980	Carril 2
104,964	2,65	563902,183	4133307,472	526,980	Carril 3
105	-2	563902,662	4133312,098	526,980	Carril 3
105	-1,8	563902,643	4133311,898	526,980	Carril 2
105	-0,5	563902,521	4133310,604	525,680	Carril 1
105	0	563902,474	4133310,106	525,680	Eje
105	0,5	563902,428	4133309,609	525,680	Carril 1
105	2,45	563902,245	4133307,667	526,980	Carril 2
105	2,65	563902,226	4133307,468	526,980	Carril 3
107,965	-2	563905,192	4133312,132	526,961	Carril 3
107,965	-1,8	563905,216	4133311,933	526,961	Carril 2
107,965	-0,5	563905,373	4133310,643	525,661	Carril 1
107,965	0	563905,433	4133310,146	525,661	Eje
107,965	0,5	563905,493	4133309,650	525,661	Carril 1
107,965	2,45	563905,729	4133307,714	526,961	Carril 2
107,965	2,65	563905,753	4133307,516	526,961	Carril 3
110	-2	563906,977	4133312,450	526,947	Carril 3
110	-1,8	563907,023	4133312,255	526,947	Carril 2
110	-0,5	563907,321	4133310,990	525,647	Carril 1
110	0	563907,436	4133310,503	525,647	Eje
110	0,5	563907,551	4133310,016	525,647	Carril 1
110	2,45	563907,998	4133308,118	526,947	Carril 2
110	2,65	563908,044	4133307,924	526,947	Carril 3
111,427	-2	563908,202	4133312,789	526,938	Carril 3
111,427	-1,8	563908,263	4133312,599	526,938	Carril 2

111,427	-0,5	563908,658	4133311,360	525,638	Carril 1
111,427	0	563908,810	4133310,884	525,638	Eje
111,427	0,5	563908,962	4133310,408	525,638	Carril 1
111,427	2,45	563909,556	4133308,550	526,938	Carril 2
111,427	2,65	563909,617	4133308,359	526,938	Carril 3
115	-2	563911,353	4133313,976	526,914	Carril 3
115	-1,8	563911,433	4133313,793	526,914	Carril 2
115	-0,5	563911,953	4133312,601	525,614	Carril 1
115	0	563912,153	4133312,143	525,614	Eje
115	0,5	563912,353	4133311,685	525,614	Carril 1
115	2,45	563913,133	4133309,897	526,914	Carril 2
115	2,65	563913,213	4133309,714	526,914	Carril 3
115,066	-2	563911,410	4133314,001	526,914	Carril 3
115,066	-1,8	563911,491	4133313,818	526,914	Carril 2
115,066	-0,5	563912,013	4133312,628	525,614	Carril 1
115,066	0	563912,214	4133312,170	525,614	Eje
115,066	0,5	563912,414	4133311,712	525,614	Carril 1
115,066	2,45	563913,198	4133309,926	526,914	Carril 2
115,066	2,65	563913,278	4133309,743	526,914	Carril 3
117,781	-2	563913,565	4133315,132	526,896	Carril 3
117,781	-1,8	563913,670	4133314,962	526,896	Carril 2
117,781	-0,5	563914,353	4133313,855	525,596	Carril 1
117,781	0	563914,616	4133313,430	525,596	Eje
117,781	0,5	563914,878	4133313,005	525,596	Carril 1
117,781	2,45	563915,903	4133311,345	526,896	Carril 2
117,781	2,65	563916,008	4133311,175	526,896	Carril 3
120	-2	563915,186	4133316,270	526,882	Carril 3
120	-1,8	563915,310	4133316,114	526,882	Carril 2
120	-0,5	563916,119	4133315,096	525,582	Carril 1
120	0	563916,430	4133314,704	525,582	Eje
120	0,5	563916,741	4133314,313	525,582	Carril 1
120	2,45	563917,955	4133312,786	526,882	Carril 2
120	2,65	563918,079	4133312,630	526,882	Carril 3
121,028	-2	563915,889	4133316,861	526,875	Carril 3
121,028	-1,8	563916,022	4133316,711	526,875	Carril 2
121,028	-0,5	563916,885	4133315,740	525,575	Carril 1
121,028	0	563917,217	4133315,366	525,575	Eje
121,028	0,5	563917,549	4133314,992	525,575	Carril 1
121,028	2,45	563918,845	4133313,534	526,875	Carril 2
121,028	2,65	563918,977	4133313,385	526,875	Carril 3
123,236	-2	563917,000	4133318,137	526,860	Carril 3
123,236	-1,8	563917,166	4133318,026	526,860	Carril 2
123,236	-0,5	563918,247	4133317,304	525,560	Carril 1
123,236	0	563918,663	4133317,026	525,560	Eje
123,236	0,5	563919,079	4133316,749	525,560	Carril 1
123,236	2,45	563920,701	4133315,666	526,860	Carril 2
123,236	2,65	563920,867	4133315,555	526,860	Carril 3
125	-2	563917,789	4133319,469	526,849	Carril 3
125	-1,8	563917,966	4133319,376	526,849	Carril 2
125	-0,5	563919,119	4133318,775	525,549	Carril 1
125	0	563919,562	4133318,543	525,549	Eje
125	0,5	563920,005	4133318,312	525,549	Carril 1
125	2,45	563921,734	4133317,410	526,849	Carril 2
125	2,65	563921,911	4133317,318	526,849	Carril 3
126,112	-2	563918,210	4133320,349	526,842	Carril 3
126,112	-1,8	563918,394	4133320,268	526,842	Carril 2
126,112	-0,5	563919,584	4133319,746	525,542	Carril 1
126,112	0	563920,042	4133319,546	525,542	Eje
126,112	0,5	563920,500	4133319,345	525,542	Carril 1
126,112	2,45	563922,286	4133318,562	526,842	Carril 2

126,112	2,65	563922,469	4133318,482	526,842	Carril 3
130	-2	563919,708	4133323,883	526,816	Carril 3
130	-1,8	563919,893	4133323,807	526,816	Carril 2
130	-0,5	563921,096	4133323,315	525,516	Carril 1
130	0	563921,559	4133323,126	525,516	Eje
130	0,5	563922,021	4133322,937	525,516	Carril 1
130	2,45	563923,826	4133322,199	526,816	Carril 2
130	2,65	563924,011	4133322,123	526,816	Carril 3
134,996	-2	563921,501	4133328,477	526,783	Carril 3
134,996	-1,8	563921,689	4133328,407	526,783	Carril 2
134,996	-0,5	563922,907	4133327,954	525,483	Carril 1
134,996	0	563923,376	4133327,779	525,483	Eje
134,996	0,5	563923,844	4133327,605	525,483	Carril 1
134,996	2,45	563925,672	4133326,924	526,783	Carril 2
134,996	2,65	563925,859	4133326,855	526,783	Carril 3
135	-2	563921,503	4133328,481	526,783	Carril 3
135	-1,8	563921,690	4133328,411	526,783	Carril 2
135	-0,5	563922,909	4133327,958	525,483	Carril 1
135	0	563923,377	4133327,783	525,483	Eje
135	0,5	563923,846	4133327,609	525,483	Carril 1
135	2,45	563925,673	4133326,929	526,783	Carril 2
135	2,65	563925,861	4133326,859	526,783	Carril 3
140	-2	563923,113	4133333,120	526,750	Carril 3
140	-1,8	563923,303	4133333,059	526,750	Carril 2
140	-0,5	563924,540	4133332,660	525,450	Carril 1
140	0	563925,016	4133332,507	525,450	Eje
140	0,5	563925,492	4133332,353	525,450	Carril 1
140	2,45	563927,348	4133331,755	526,750	Carril 2
140	2,65	563927,539	4133331,694	526,750	Carril 3
144,141	-2	563924,288	4133337,014	526,723	Carril 3
144,141	-1,8	563924,481	4133336,959	526,723	Carril 2
144,141	-0,5	563925,732	4133336,606	525,423	Carril 1
144,141	0	563926,213	4133336,471	525,423	Eje
144,141	0,5	563926,695	4133336,335	525,423	Carril 1
144,141	2,45	563928,571	4133335,806	526,723	Carril 2
144,141	2,65	563928,764	4133335,752	526,723	Carril 3
145	-2	563924,528	4133337,853	526,718	Carril 3
145	-1,8	563924,720	4133337,797	526,718	Carril 2
145	-0,5	563925,969	4133337,436	525,418	Carril 1
145	0	563926,449	4133337,297	525,418	Eje
145	0,5	563926,930	4133337,157	525,418	Carril 1
145	2,45	563928,803	4133336,615	526,718	Carril 2
145	2,65	563928,995	4133336,559	526,718	Carril 3
150	-2	563926,043	4133342,704	526,685	Carril 3
150	-1,8	563926,232	4133342,641	526,685	Carril 2
150	-0,5	563927,465	4133342,228	525,385	Carril 1
150	0	563927,939	4133342,069	525,385	Eje
150	0,5	563928,413	4133341,910	525,385	Carril 1
150	2,45	563930,262	4133341,291	526,685	Carril 2
150	2,65	563930,452	4133341,227	526,685	Carril 3
153,641	-2	563927,271	4133346,196	526,661	Carril 3
153,641	-1,8	563927,458	4133346,126	526,661	Carril 2
153,641	-0,5	563928,678	4133345,677	525,361	Carril 1
153,641	0	563929,147	4133345,504	525,361	Eje
153,641	0,5	563929,616	4133345,331	525,361	Carril 1
153,641	2,45	563931,446	4133344,656	526,661	Carril 2
153,641	2,65	563931,633	4133344,587	526,661	Carril 3
155	-2	563927,795	4133347,535	526,652	Carril 3
155	-1,8	563927,980	4133347,458	526,652	Carril 2
155	-0,5	563929,181	4133346,961	525,352	Carril 1

155	0	563929,643	4133346,769	525,352	Eje
155	0,5	563930,104	4133346,578	525,352	Carril 1
155	2,45	563931,906	4133345,831	526,652	Carril 2
155	2,65	563932,091	4133345,754	526,652	Carril 3
158,976	-2	563929,628	4133351,320	526,626	Carril 3
158,976	-1,8	563929,803	4133351,223	526,626	Carril 2
158,976	-0,5	563930,938	4133350,589	525,326	Carril 1
158,976	0	563931,375	4133350,346	525,326	Eje
158,976	0,5	563931,811	4133350,102	525,326	Carril 1
158,976	2,45	563933,514	4133349,152	526,626	Carril 2
158,976	2,65	563933,689	4133349,054	526,626	Carril 3
160	-2	563930,164	4133352,252	526,619	Carril 3
160	-1,8	563930,336	4133352,150	526,619	Carril 2
160	-0,5	563931,454	4133351,488	525,319	Carril 1
160	0	563931,885	4133351,233	525,319	Eje
160	0,5	563932,315	4133350,979	525,319	Carril 1
160	2,45	563933,993	4133349,985	526,619	Carril 2
160	2,65	563934,165	4133349,884	526,619	Carril 3
164,756	-2	563932,954	4133356,388	526,588	Carril 3
164,756	-1,8	563933,113	4133356,266	526,588	Carril 2
164,756	-0,5	563934,146	4133355,477	525,288	Carril 1
164,756	0	563934,543	4133355,173	525,288	Eje
164,756	0,5	563934,940	4133354,870	525,288	Carril 1
164,756	2,45	563936,489	4133353,685	526,588	Carril 2
164,756	2,65	563936,648	4133353,564	526,588	Carril 3
165	-2	563933,147	4133356,632	526,586	Carril 3
165	-1,8	563933,302	4133356,505	526,586	Carril 2
165	-0,5	563934,308	4133355,682	525,286	Carril 1
165	0	563934,695	4133355,365	525,286	Eje
165	0,5	563935,081	4133355,048	525,286	Carril 1
165	2,45	563936,590	4133353,812	526,586	Carril 2
165	2,65	563936,745	4133353,686	526,586	Carril 3
170	-2	563938,506	4133359,850	526,554	Carril 3
170	-1,8	563938,545	4133359,653	526,554	Carril 2
170	-0,5	563938,800	4133358,379	525,254	Carril 1
170	0	563938,897	4133357,888	525,254	Eje
170	0,5	563938,995	4133357,398	525,254	Carril 1
170	2,45	563939,377	4133355,486	526,554	Carril 2
170	2,65	563939,416	4133355,289	526,554	Carril 3
171,489	-2	563940,393	4133360,028	526,544	Carril 3
171,489	-1,8	563940,392	4133359,828	526,544	Carril 2
171,489	-0,5	563940,381	4133358,528	525,244	Carril 1
171,489	0	563940,377	4133358,028	525,244	Eje
171,489	0,5	563940,373	4133357,529	525,244	Carril 1
171,489	2,45	563940,358	4133355,579	526,544	Carril 2
171,489	2,65	563940,356	4133355,379	526,544	Carril 3
175	-2	563943,546	4133360,275	526,521	Carril 3
175	-1,8	563943,579	4133360,078	526,521	Carril 2
175	-0,5	563943,791	4133358,796	525,221	Carril 1
175	0	563943,873	4133358,302	525,221	Eje
175	0,5	563943,955	4133357,809	525,221	Carril 1
175	2,45	563944,274	4133355,885	526,521	Carril 2
175	2,65	563944,306	4133355,688	526,521	Carril 3
180	-2	563947,861	4133361,548	526,488	Carril 3
180	-1,8	563947,940	4133361,365	526,488	Carril 2
180	-0,5	563948,458	4133360,172	525,188	Carril 1
180	0	563948,657	4133359,713	525,188	Eje
180	0,5	563948,856	4133359,255	525,188	Carril 1
180	2,45	563949,632	4133357,466	526,488	Carril 2
180	2,65	563949,712	4133357,282	526,488	Carril 3

182,501	-2	563949,869	4133362,570	526,472	Carril 3
182,501	-1,8	563949,971	4133362,398	526,472	Carril 2
182,501	-0,5	563950,630	4133361,278	525,172	Carril 1
182,501	0	563950,884	4133360,847	525,172	Eje
182,501	0,5	563951,138	4133360,416	525,172	Carril 1
182,501	2,45	563952,127	4133358,735	526,472	Carril 2
182,501	2,65	563952,228	4133358,563	526,472	Carril 3
185	-2	563951,618	4133363,817	526,455	Carril 3
185	-1,8	563951,748	4133363,665	526,455	Carril 2
185	-0,5	563952,592	4133362,676	525,155	Carril 1
185	0	563952,917	4133362,296	525,155	Eje
185	0,5	563953,241	4133361,916	525,155	Carril 1
185	2,45	563954,508	4133360,433	526,455	Carril 2
185	2,65	563954,637	4133360,281	526,455	Carril 3
190	-2	563954,339	4133367,119	526,422	Carril 3
190	-1,8	563954,513	4133367,021	526,422	Carril 2
190	-0,5	563955,645	4133366,381	525,122	Carril 1
190	0	563956,080	4133366,135	525,122	Eje
190	0,5	563956,515	4133365,889	525,122	Carril 1
190	2,45	563958,213	4133364,930	526,422	Carril 2
190	2,65	563958,387	4133364,832	526,422	Carril 3
193,119	-2	563955,394	4133369,580	526,402	Carril 3
193,119	-1,8	563955,586	4133369,521	526,402	Carril 2
193,119	-0,5	563956,829	4133369,142	525,102	Carril 1
193,119	0	563957,307	4133368,996	525,102	Eje
193,119	0,5	563957,785	4133368,850	525,102	Carril 1
193,119	2,45	563959,650	4133368,281	526,402	Carril 2
193,119	2,65	563959,842	4133368,222	526,402	Carril 3
195	-2	563956,410	4133371,777	526,390	Carril 3
195	-1,8	563956,578	4133371,669	526,390	Carril 2
195	-0,5	563957,673	4133370,968	525,090	Carril 1
195	0	563958,094	4133370,698	525,090	Eje
195	0,5	563958,515	4133370,428	525,090	Carril 1
195	2,45	563960,157	4133369,376	526,390	Carril 2
195	2,65	563960,325	4133369,268	526,390	Carril 3
200	-2	563961,484	4133375,534	526,357	Carril 3
200	-1,8	563961,538	4133375,341	526,357	Carril 2
200	-0,5	563961,889	4133374,089	525,057	Carril 1
200	0	563962,025	4133373,608	525,057	Eje
200	0,5	563962,160	4133373,127	525,057	Carril 1
200	2,45	563962,687	4133371,249	526,357	Carril 2
200	2,65	563962,741	4133371,057	526,357	Carril 3
200,69	-2	563962,353	4133375,731	526,352	Carril 3
200,69	-1,8	563962,387	4133375,534	526,352	Carril 2
200,69	-0,5	563962,611	4133374,253	525,052	Carril 1
200,69	0	563962,697	4133373,761	525,052	Eje
200,69	0,5	563962,784	4133373,268	525,052	Carril 1
200,69	2,45	563963,120	4133371,347	526,352	Carril 2
200,69	2,65	563963,154	4133371,150	526,352	Carril 3
205	-2	563967,578	4133375,352	526,324	Carril 3
205	-1,8	563967,516	4133375,162	526,324	Carril 2
205	-0,5	563967,109	4133373,927	525,024	Carril 1
205	0	563966,953	4133373,452	525,024	Eje
205	0,5	563966,796	4133372,977	525,024	Carril 1
205	2,45	563966,187	4133371,125	526,324	Carril 2
205	2,65	563966,124	4133370,935	526,324	Carril 3
207,012	-2	563969,816	4133374,318	526,311	Carril 3
207,012	-1,8	563969,712	4133374,148	526,311	Carril 2
207,012	-0,5	563969,035	4133373,038	525,011	Carril 1
207,012	0	563968,775	4133372,611	525,011	Eje

207,012	0,5	563968,515	4133372,184	525,011	Carril 1
207,012	2,45	563967,500	4133370,518	526,311	Carril 2
207,012	2,65	563967,396	4133370,348	526,311	Carril 3
210	-2	563972,407	4133372,660	526,291	Carril 3
210	-1,8	563972,295	4133372,494	526,291	Carril 2
210	-0,5	563971,570	4133371,415	524,991	Carril 1
210	0	563971,292	4133371,000	524,991	Eje
210	0,5	563971,013	4133370,585	524,991	Carril 1
210	2,45	563969,926	4133368,966	526,291	Carril 2
210	2,65	563969,814	4133368,800	526,291	Carril 3
215	-2	563976,570	4133369,635	526,258	Carril 3
215	-1,8	563976,447	4133369,478	526,258	Carril 2
215	-0,5	563975,644	4133368,455	524,958	Carril 1
215	0	563975,336	4133368,061	524,958	Eje
215	0,5	563975,027	4133367,668	524,958	Carril 1
215	2,45	563973,824	4133366,134	526,258	Carril 2
215	2,65	563973,700	4133365,977	526,258	Carril 3
220	-2	563980,500	4133366,311	526,225	Carril 3
220	-1,8	563980,365	4133366,163	526,225	Carril 2
220	-0,5	563979,489	4133365,203	524,925	Carril 1
220	0	563979,152	4133364,833	524,925	Eje
220	0,5	563978,816	4133364,463	524,925	Carril 1
220	2,45	563977,502	4133363,022	526,225	Carril 2
220	2,65	563977,367	4133362,874	526,225	Carril 3
224,248	-2	563983,637	4133363,266	526,198	Carril 3
224,248	-1,8	563983,494	4133363,127	526,198	Carril 2
224,248	-0,5	563982,560	4133362,223	524,898	Carril 1
224,248	0	563982,200	4133361,875	524,898	Eje
224,248	0,5	563981,841	4133361,528	524,898	Carril 1
224,248	2,45	563980,440	4133360,171	526,198	Carril 2
224,248	2,65	563980,296	4133360,032	526,198	Carril 3
225	-2	563984,170	4133362,711	526,193	Carril 3
225	-1,8	563984,025	4133362,573	526,193	Carril 2
225	-0,5	563983,083	4133361,677	524,893	Carril 1
225	0	563982,721	4133361,333	524,893	Eje
225	0,5	563982,359	4133360,988	524,893	Carril 1
225	2,45	563980,946	4133359,644	526,193	Carril 2
225	2,65	563980,801	4133359,506	526,193	Carril 3
230	-2	563987,587	4133358,904	526,160	Carril 3
230	-1,8	563987,434	4133358,775	526,160	Carril 2
230	-0,5	563986,442	4133357,935	524,860	Carril 1
230	0	563986,060	4133357,612	524,860	Eje
230	0,5	563985,679	4133357,289	524,860	Carril 1
230	2,45	563984,190	4133356,029	526,160	Carril 2
230	2,65	563984,038	4133355,900	526,160	Carril 3
235	-2	563990,778	4133354,906	526,127	Carril 3
235	-1,8	563990,618	4133354,786	526,127	Carril 2
235	-0,5	563989,579	4133354,005	524,827	Carril 1
235	0	563989,179	4133353,705	524,827	Eje
235	0,5	563988,779	4133353,404	524,827	Carril 1
235	2,45	563987,221	4133352,232	526,127	Carril 2
235	2,65	563987,061	4133352,112	526,127	Carril 3
237,255	-2	563992,140	4133353,044	526,112	Carril 3
237,255	-1,8	563991,977	4133352,928	526,112	Carril 2
237,255	-0,5	563990,918	4133352,175	524,812	Carril 1
237,255	0	563990,510	4133351,885	524,812	Eje
237,255	0,5	563990,103	4133351,595	524,812	Carril 1
237,255	2,45	563988,514	4133350,464	526,112	Carril 2
237,255	2,65	563988,351	4133350,348	526,112	Carril 3
240	-2	563993,583	4133349,861	526,094	Carril 3

240	-1,8	563993,388	4133349,815	526,094	Carril 2
240	-0,5	563992,123	4133349,515	524,794	Carril 1
240	0	563991,636	4133349,400	524,794	Eje
240	0,5	563991,150	4133349,285	524,794	Carril 1
240	2,45	563989,252	4133348,835	526,094	Carril 2
240	2,65	563989,058	4133348,789	526,094	Carril 3
241,027	-2	563993,793	4133348,563	526,088	Carril 3
241,027	-1,8	563993,593	4133348,545	526,088	Carril 2
241,027	-0,5	563992,298	4133348,431	524,788	Carril 1
241,027	0	563991,800	4133348,387	524,788	Eje
241,027	0,5	563991,302	4133348,343	524,788	Carril 1
241,027	2,45	563989,360	4133348,171	526,088	Carril 2
241,027	2,65	563989,161	4133348,153	526,088	Carril 3
245	-2	563993,489	4133344,000	526,061	Carril 3
245	-1,8	563993,294	4133344,044	526,061	Carril 2
245	-0,5	563992,026	4133344,329	524,761	Carril 1
245	0	563991,538	4133344,439	524,761	Eje
245	0,5	563991,050	4133344,548	524,761	Carril 1
245	2,45	563989,147	4133344,976	526,061	Carril 2
245	2,65	563988,952	4133345,019	526,061	Carril 3
246,274	-2	563993,096	4133342,583	526,053	Carril 3
246,274	-1,8	563992,906	4133342,646	526,053	Carril 2
246,274	-0,5	563991,672	4133343,055	524,753	Carril 1
246,274	0	563991,198	4133343,212	524,753	Eje
246,274	0,5	563990,723	4133343,369	524,753	Carril 1
246,274	2,45	563988,872	4133343,983	526,053	Carril 2
246,274	2,65	563988,682	4133344,046	526,053	Carril 3
250	-2	563991,787	4133338,975	526,029	Carril 3
250	-1,8	563991,601	4133339,048	526,029	Carril 2
250	-0,5	563990,392	4133339,526	524,729	Carril 1
250	0	563989,927	4133339,709	524,729	Eje
250	0,5	563989,462	4133339,893	524,729	Carril 1
250	2,45	563987,648	4133340,609	526,029	Carril 2
250	2,65	563987,462	4133340,682	526,029	Carril 3
255	-2	563989,718	4133334,260	525,996	Carril 3
255	-1,8	563989,538	4133334,347	525,996	Carril 2
255	-0,5	563988,368	4133334,914	524,696	Carril 1
255	0	563987,918	4133335,132	524,696	Eje
255	0,5	563987,468	4133335,350	524,696	Carril 1
255	2,45	563985,713	4133336,200	525,996	Carril 2
255	2,65	563985,533	4133336,287	525,996	Carril 3
258,144	-2	563988,237	4133331,380	525,975	Carril 3
258,144	-1,8	563988,062	4133331,476	525,975	Carril 2
258,144	-0,5	563986,920	4133332,097	524,675	Carril 1
258,144	0	563986,481	4133332,336	524,675	Eje
258,144	0,5	563986,042	4133332,575	524,675	Carril 1
258,144	2,45	563984,329	4133333,508	525,975	Carril 2
258,144	2,65	563984,153	4133333,603	525,975	Carril 3
260	-2	563987,257	4133329,684	525,963	Carril 3
260	-1,8	563987,086	4133329,789	525,963	Carril 2
260	-0,5	563985,978	4133330,468	524,663	Carril 1
260	0	563985,552	4133330,729	524,663	Eje
260	0,5	563985,126	4133330,991	524,663	Carril 1
260	2,45	563983,463	4133332,010	525,963	Carril 2
260	2,65	563983,292	4133332,114	525,963	Carril 3
265	-2	563984,197	4133325,390	525,930	Carril 3
265	-1,8	563984,043	4133325,517	525,930	Carril 2
265	-0,5	563983,039	4133326,343	524,630	Carril 1
265	0	563982,653	4133326,661	524,630	Eje
265	0,5	563982,266	4133326,978	524,630	Carril 1

265	2,45	563980,760	4133328,217	525,930	Carril 2
265	2,65	563980,606	4133328,344	525,930	Carril 3
267,776	-2	563982,251	4133323,201	525,912	Carril 3
267,776	-1,8	563982,106	4133323,340	525,912	Carril 2
267,776	-0,5	563981,169	4133324,240	524,612	Carril 1
267,776	0	563980,808	4133324,587	524,612	Eje
267,776	0,5	563980,448	4133324,933	524,612	Carril 1
267,776	2,45	563979,041	4133326,284	525,912	Carril 2
267,776	2,65	563978,897	4133326,423	525,912	Carril 3
270	-2	563980,861	4133321,649	525,897	Carril 3
270	-1,8	563980,707	4133321,777	525,897	Carril 2
270	-0,5	563979,709	4133322,610	524,597	Carril 1
270	0	563979,325	4133322,930	524,597	Eje
270	0,5	563978,941	4133323,250	524,597	Carril 1
270	2,45	563977,444	4133324,499	525,897	Carril 2
270	2,65	563977,290	4133324,628	525,897	Carril 3
275	-2	563978,156	4133317,830	525,865	Carril 3
275	-1,8	563977,984	4133317,933	525,865	Carril 2
275	-0,5	563976,868	4133318,598	524,565	Carril 1
275	0	563976,438	4133318,854	524,565	Eje
275	0,5	563976,008	4133319,110	524,565	Carril 1
275	2,45	563974,333	4133320,108	525,865	Carril 2
275	2,65	563974,162	4133320,211	525,865	Carril 3
276,807	-2	563977,331	4133316,352	525,853	Carril 3
276,807	-1,8	563977,154	4133316,445	525,853	Carril 2
276,807	-0,5	563976,001	4133317,046	524,553	Carril 1
276,807	0	563975,558	4133317,277	524,553	Eje
276,807	0,5	563975,114	4133317,508	524,553	Carril 1
276,807	2,45	563973,385	4133318,409	525,853	Carril 2
276,807	2,65	563973,208	4133318,501	525,853	Carril 3
280	-2	563976,310	4133313,772	525,832	Carril 3
280	-1,8	563976,117	4133313,826	525,832	Carril 2
280	-0,5	563974,866	4133314,178	524,532	Carril 1
280	0	563974,384	4133314,313	524,532	Eje
280	0,5	563973,903	4133314,448	524,532	Carril 1
280	2,45	563972,025	4133314,975	525,832	Carril 2
280	2,65	563971,833	4133315,029	525,832	Carril 3
283,201	-2	563975,839	4133311,031	525,811	Carril 3
283,201	-1,8	563975,639	4133311,044	525,811	Carril 2
283,201	-0,5	563974,342	4133311,131	524,511	Carril 1
283,201	0	563973,843	4133311,164	524,511	Eje
283,201	0,5	563973,344	4133311,197	524,511	Carril 1
283,201	2,45	563971,399	4133311,327	525,811	Carril 2
283,201	2,65	563971,199	4133311,340	525,811	Carril 3
285	-2	563975,762	4133309,320	525,799	Carril 3
285	-1,8	563975,562	4133309,325	525,799	Carril 2
285	-0,5	563974,262	4133309,355	524,499	Carril 1
285	0	563973,762	4133309,367	524,499	Eje
285	0,5	563973,262	4133309,379	524,499	Carril 1
285	2,45	563971,313	4133309,424	525,799	Carril 2
285	2,65	563971,113	4133309,429	525,799	Carril 3
290	-2	563975,935	4133304,566	525,766	Carril 3
290	-1,8	563975,736	4133304,546	525,766	Carril 2
290	-0,5	563974,442	4133304,421	524,466	Carril 1
290	0	563973,944	4133304,373	524,466	Eje
290	0,5	563973,447	4133304,325	524,466	Carril 1
290	2,45	563971,506	4133304,138	525,766	Carril 2
290	2,65	563971,307	4133304,118	525,766	Carril 3
293,663	-2	563976,422	4133301,113	525,742	Carril 3
293,663	-1,8	563976,226	4133301,076	525,742	Carril 2

293,663	-0,5	563974,948	4133300,838	524,442	Carril 1
293,663	0	563974,456	4133300,747	524,442	Eje
293,663	0,5	563973,965	4133300,655	524,442	Carril 1
293,663	2,45	563972,047	4133300,298	525,742	Carril 2
293,663	2,65	563971,851	4133300,262	525,742	Carril 3
295	-2	563976,681	4133299,928	525,733	Carril 3
295	-1,8	563976,487	4133299,879	525,733	Carril 2
295	-0,5	563975,226	4133299,563	524,433	Carril 1
295	0	563974,741	4133299,441	524,433	Eje
295	0,5	563974,256	4133299,320	524,433	Carril 1
295	2,45	563972,365	4133298,845	525,733	Carril 2
295	2,65	563972,171	4133298,797	525,733	Carril 3
300	-2	563978,280	4133295,690	525,701	Carril 3
300	-1,8	563978,102	4133295,598	525,701	Carril 2
300	-0,5	563976,947	4133295,003	524,401	Carril 1
300	0	563976,502	4133294,773	524,401	Eje
300	0,5	563976,058	4133294,544	524,401	Carril 1
300	2,45	563974,324	4133293,651	525,701	Carril 2
300	2,65	563974,147	4133293,559	525,701	Carril 3
305	-2	563980,804	4133291,929	525,668	Carril 3
305	-1,8	563980,652	4133291,799	525,668	Carril 2
305	-0,5	563979,663	4133290,955	524,368	Carril 1
305	0	563979,282	4133290,631	524,368	Eje
305	0,5	563978,902	4133290,306	524,368	Carril 1
305	2,45	563977,418	4133289,041	525,668	Carril 2
305	2,65	563977,266	4133288,911	525,668	Carril 3
310	-2	563984,120	4133288,843	525,635	Carril 3
310	-1,8	563984,001	4133288,682	525,635	Carril 2
310	-0,5	563983,231	4133287,635	524,335	Carril 1
310	0	563982,934	4133287,232	524,335	Eje
310	0,5	563982,638	4133286,829	524,335	Carril 1
310	2,45	563981,482	4133285,259	525,635	Carril 2
310	2,65	563981,364	4133285,098	525,635	Carril 3
314,303	-2	563987,474	4133286,854	525,607	Carril 3
314,303	-1,8	563987,390	4133286,672	525,607	Carril 2
314,303	-0,5	563986,840	4133285,494	524,307	Carril 1
314,303	0	563986,629	4133285,041	524,307	Eje
314,303	0,5	563986,418	4133284,588	524,307	Carril 1
314,303	2,45	563985,594	4133282,820	525,607	Carril 2
314,303	2,65	563985,510	4133282,639	525,607	Carril 3
315	-2	563988,099	4133286,564	525,602	Carril 3
315	-1,8	563988,015	4133286,382	525,602	Carril 2
315	-0,5	563987,471	4133285,202	524,302	Carril 1
315	0	563987,262	4133284,748	524,302	Eje
315	0,5	563987,052	4133284,294	524,302	Carril 1
315	2,45	563986,236	4133282,523	525,602	Carril 2
315	2,65	563986,152	4133282,341	525,602	Carril 3
320	-2	563992,615	4133284,565	525,569	Carril 3
320	-1,8	563992,537	4133284,381	525,569	Carril 2
320	-0,5	563992,029	4133283,184	524,269	Carril 1
320	0	563991,834	4133282,724	524,269	Eje
320	0,5	563991,638	4133282,264	524,269	Carril 1
320	2,45	563990,876	4133280,469	525,569	Carril 2
320	2,65	563990,798	4133280,285	525,569	Carril 3
325	-2	563997,190	4133282,704	525,537	Carril 3
325	-1,8	563997,118	4133282,518	525,537	Carril 2
325	-0,5	563996,646	4133281,306	524,237	Carril 1
325	0	563996,465	4133280,840	524,237	Eje
325	0,5	563996,284	4133280,374	524,237	Carril 1
325	2,45	563995,577	4133278,557	525,537	Carril 2

325	2,65	563995,504	4133278,371	525,537	Carril 3
330	-2	564001,820	4133280,984	525,504	Carril 3
330	-1,8	564001,753	4133280,795	525,504	Carril 2
330	-0,5	564001,319	4133279,570	524,204	Carril 1
330	0	564001,152	4133279,099	524,204	Eje
330	0,5	564000,985	4133278,627	524,204	Carril 1
330	2,45	564000,333	4133276,789	525,504	Carril 2
330	2,65	564000,267	4133276,601	525,504	Carril 3
335	-2	564006,500	4133279,405	525,471	Carril 3
335	-1,8	564006,439	4133279,215	525,471	Carril 2
335	-0,5	564006,042	4133277,977	524,171	Carril 1
335	0	564005,889	4133277,500	524,171	Eje
335	0,5	564005,737	4133277,024	524,171	Carril 1
335	2,45	564005,141	4133275,167	525,471	Carril 2
335	2,65	564005,080	4133274,977	525,471	Carril 3
340	-2	564011,225	4133277,970	525,438	Carril 3
340	-1,8	564011,170	4133277,777	525,438	Carril 2
340	-0,5	564010,811	4133276,528	524,138	Carril 1
340	0	564010,673	4133276,047	524,138	Eje
340	0,5	564010,535	4133275,567	524,138	Carril 1
340	2,45	564009,997	4133273,692	525,438	Carril 2
340	2,65	564009,942	4133273,500	525,438	Carril 3
345	-2	564015,992	4133276,679	525,405	Carril 3
345	-1,8	564015,943	4133276,485	525,405	Carril 2
345	-0,5	564015,622	4133275,225	524,105	Carril 1
345	0	564015,499	4133274,740	524,105	Eje
345	0,5	564015,376	4133274,256	524,105	Carril 1
345	2,45	564014,895	4133272,366	525,405	Carril 2
345	2,65	564014,846	4133272,172	525,405	Carril 3
350	-2	564020,797	4133275,533	525,372	Carril 3
350	-1,8	564020,753	4133275,338	525,372	Carril 2
350	-0,5	564020,471	4133274,069	524,072	Carril 1
350	0	564020,363	4133273,581	524,072	Eje
350	0,5	564020,254	4133273,093	524,072	Carril 1
350	2,45	564019,831	4133271,189	525,372	Carril 2
350	2,65	564019,788	4133270,994	525,372	Carril 3
355	-2	564025,634	4133274,535	525,340	Carril 3
355	-1,8	564025,596	4133274,338	525,340	Carril 2
355	-0,5	564025,353	4133273,061	524,040	Carril 1
355	0	564025,259	4133272,570	524,040	Eje
355	0,5	564025,166	4133272,079	524,040	Carril 1
355	2,45	564024,801	4133270,164	525,340	Carril 2
355	2,65	564024,763	4133269,967	525,340	Carril 3
360	-2	564030,499	4133273,684	525,307	Carril 3
360	-1,8	564030,467	4133273,487	525,307	Carril 2
360	-0,5	564030,263	4133272,203	524,007	Carril 1
360	0	564030,184	4133271,709	524,007	Eje
360	0,5	564030,106	4133271,215	524,007	Carril 1
360	2,45	564029,799	4133269,290	525,307	Carril 2
360	2,65	564029,768	4133269,092	525,307	Carril 3
365	-2	564035,388	4133272,982	525,274	Carril 3
365	-1,8	564035,362	4133272,784	525,274	Carril 2
365	-0,5	564035,197	4133271,494	523,974	Carril 1
365	0	564035,133	4133270,998	523,974	Eje
365	0,5	564035,070	4133270,502	523,974	Carril 1
365	2,45	564034,822	4133268,568	525,274	Carril 2
365	2,65	564034,797	4133268,370	525,274	Carril 3
369,199	-2	564039,508	4133272,508	525,247	Carril 3
369,199	-1,8	564039,488	4133272,309	525,247	Carril 2
369,199	-0,5	564039,356	4133271,016	523,947	Carril 1

369,199	0	564039,305	4133270,518	523,947	Eje
369,199	0,5	564039,254	4133270,021	523,947	Carril 1
369,199	2,45	564039,056	4133268,081	525,247	Carril 2
369,199	2,65	564039,035	4133267,882	525,247	Carril 3
370	-2	564040,294	4133272,430	525,241	Carril 3
370	-1,8	564040,275	4133272,230	525,241	Carril 2
370	-0,5	564040,150	4133270,936	523,941	Carril 1
370	0	564040,102	4133270,439	523,941	Eje
370	0,5	564040,054	4133269,941	523,941	Carril 1
370	2,45	564039,866	4133268,000	525,241	Carril 2
370	2,65	564039,846	4133267,801	525,241	Carril 3
375	-2	564045,212	4133272,036	525,208	Carril 3
375	-1,8	564045,199	4133271,837	525,208	Carril 2
375	-0,5	564045,117	4133270,539	523,908	Carril 1
375	0	564045,086	4133270,040	523,908	Eje
375	0,5	564045,054	4133269,541	523,908	Carril 1
375	2,45	564044,931	4133267,595	525,208	Carril 2
375	2,65	564044,919	4133267,396	525,208	Carril 3
380	-2	564050,139	4133271,807	525,176	Carril 3
380	-1,8	564050,133	4133271,608	525,176	Carril 2
380	-0,5	564050,095	4133270,308	523,876	Carril 1
380	0	564050,080	4133269,808	523,876	Eje
380	0,5	564050,065	4133269,309	523,876	Carril 1
380	2,45	564050,007	4133267,359	525,176	Carril 2
380	2,65	564050,001	4133267,159	525,176	Carril 3
385	-2	564055,072	4133271,743	525,143	Carril 3
385	-1,8	564055,073	4133271,543	525,143	Carril 2
385	-0,5	564055,078	4133270,243	523,843	Carril 1
385	0	564055,079	4133269,743	523,843	Eje
385	0,5	564055,081	4133269,243	523,843	Carril 1
385	2,45	564055,088	4133267,293	525,143	Carril 2
385	2,65	564055,089	4133267,093	525,143	Carril 3
390	-2	564060,004	4133271,844	525,110	Carril 3
390	-1,8	564060,011	4133271,644	525,110	Carril 2
390	-0,5	564060,060	4133270,345	523,810	Carril 1
390	0	564060,078	4133269,845	523,810	Eje
390	0,5	564060,097	4133269,345	523,810	Carril 1
390	2,45	564060,169	4133267,397	525,110	Carril 2
390	2,65	564060,176	4133267,197	525,110	Carril 3
394,472	-2	564064,410	4133272,073	525,081	Carril 3
394,472	-1,8	564064,424	4133271,874	525,081	Carril 2
394,472	-0,5	564064,511	4133270,576	523,781	Carril 1
394,472	0	564064,544	4133270,078	523,781	Eje
394,472	0,5	564064,577	4133269,579	523,781	Carril 1
394,472	2,45	564064,708	4133267,633	525,081	Carril 2
394,472	2,65	564064,721	4133267,433	525,081	Carril 3
395	-2	564064,945	4133272,108	525,077	Carril 3
395	-1,8	564064,958	4133271,908	525,077	Carril 2
395	-0,5	564065,039	4133270,611	523,777	Carril 1
395	0	564065,071	4133270,112	523,777	Eje
395	0,5	564065,102	4133269,613	523,777	Carril 1
395	2,45	564065,225	4133267,667	525,077	Carril 2
395	2,65	564065,237	4133267,467	525,077	Carril 3
400	-2	564070,016	4133272,331	525,044	Carril 3
400	-1,8	564070,021	4133272,131	525,044	Carril 2
400	-0,5	564070,053	4133270,831	523,744	Carril 1
400	0	564070,066	4133270,331	523,744	Eje
400	0,5	564070,078	4133269,831	523,744	Carril 1
400	2,45	564070,127	4133267,882	525,044	Carril 2
400	2,65	564070,132	4133267,682	525,044	Carril 3

405	-2	564075,091	4133272,361	525,012	Carril 3
405	-1,8	564075,089	4133272,161	525,012	Carril 2
405	-0,5	564075,072	4133270,861	523,712	Carril 1
405	0	564075,065	4133270,361	523,712	Eje
405	0,5	564075,059	4133269,861	523,712	Carril 1
405	2,45	564075,033	4133267,911	525,012	Carril 2
405	2,65	564075,031	4133267,711	525,012	Carril 3
410	-2	564080,165	4133272,198	524,979	Carril 3
410	-1,8	564080,154	4133271,998	524,979	Carril 2
410	-0,5	564080,088	4133270,700	523,679	Carril 1
410	0	564080,062	4133270,200	523,679	Eje
410	0,5	564080,037	4133269,701	523,679	Carril 1
410	2,45	564079,937	4133267,754	524,979	Carril 2
410	2,65	564079,927	4133267,554	524,979	Carril 3
415	-2	564085,228	4133271,842	524,946	Carril 3
415	-1,8	564085,210	4133271,643	524,946	Carril 2
415	-0,5	564085,094	4133270,348	523,646	Carril 1
415	0	564085,050	4133269,850	523,646	Eje
415	0,5	564085,005	4133269,352	523,646	Carril 1
415	2,45	564084,832	4133267,410	524,946	Carril 2
415	2,65	564084,814	4133267,211	524,946	Carril 3
418,165	-2	564088,424	4133271,518	524,925	Carril 3
418,165	-1,8	564088,401	4133271,319	524,925	Carril 2
418,165	-0,5	564088,255	4133270,028	523,625	Carril 1
418,165	0	564088,198	4133269,531	523,625	Eje
418,165	0,5	564088,142	4133269,034	523,625	Carril 1
418,165	2,45	564087,922	4133267,096	524,925	Carril 2
418,165	2,65	564087,899	4133266,898	524,925	Carril 3
420	-2	564090,287	4133271,287	524,913	Carril 3
420	-1,8	564090,260	4133271,089	524,913	Carril 2
420	-0,5	564090,086	4133269,800	523,613	Carril 1
420	0	564090,020	4133269,305	523,613	Eje
420	0,5	564089,953	4133268,809	523,613	Carril 1
420	2,45	564089,692	4133266,877	524,913	Carril 2
420	2,65	564089,666	4133266,678	524,913	Carril 3
425	-2	564095,332	4133270,461	524,880	Carril 3
425	-1,8	564095,294	4133270,265	524,880	Carril 2
425	-0,5	564095,048	4133268,988	523,580	Carril 1
425	0	564094,953	4133268,498	523,580	Eje
425	0,5	564094,859	4133268,007	523,580	Carril 1
425	2,45	564094,490	4133266,092	524,880	Carril 2
425	2,65	564094,452	4133265,895	524,880	Carril 3
430	-2	564100,322	4133269,352	524,848	Carril 3
430	-1,8	564100,274	4133269,158	524,848	Carril 2
430	-0,5	564099,956	4133267,898	523,548	Carril 1
430	0	564099,834	4133267,413	523,548	Eje
430	0,5	564099,711	4133266,928	523,548	Carril 1
430	2,45	564099,235	4133265,037	524,848	Carril 2
430	2,65	564099,186	4133264,843	524,848	Carril 3
435	-2	564105,242	4133267,963	524,815	Carril 3
435	-1,8	564105,183	4133267,773	524,815	Carril 2
435	-0,5	564104,794	4133266,532	523,515	Carril 1
435	0	564104,645	4133266,055	523,515	Eje
435	0,5	564104,495	4133265,578	523,515	Carril 1
435	2,45	564103,913	4133263,717	524,815	Carril 2
435	2,65	564103,853	4133263,526	524,815	Carril 3
440	-2	564110,076	4133266,299	524,782	Carril 3
440	-1,8	564110,006	4133266,112	524,782	Carril 2
440	-0,5	564109,548	4133264,895	523,482	Carril 1
440	0	564109,372	4133264,427	523,482	Eje

440	0,5	564109,196	4133263,959	523,482	Carril 1
440	2,45	564108,509	4133262,134	524,782	Carril 2
440	2,65	564108,438	4133261,947	524,782	Carril 3
440,549	-2	564110,601	4133266,099	524,778	Carril 3
440,549	-1,8	564110,529	4133265,913	524,778	Carril 2
440,549	-0,5	564110,064	4133264,699	523,478	Carril 1
440,549	0	564109,885	4133264,232	523,478	Eje
440,549	0,5	564109,706	4133263,765	523,478	Carril 1
440,549	2,45	564109,008	4133261,944	524,778	Carril 2
440,549	2,65	564108,936	4133261,758	524,778	Carril 3
445	-2	564114,784	4133264,434	524,749	Carril 3
445	-1,8	564114,707	4133264,249	524,749	Carril 2
445	-0,5	564114,211	4133263,047	523,449	Carril 1
445	0	564114,020	4133262,585	523,449	Eje
445	0,5	564113,829	4133262,123	523,449	Carril 1
445	2,45	564113,085	4133260,321	524,749	Carril 2
445	2,65	564113,008	4133260,136	524,749	Carril 3
450	-2	564119,430	4133262,436	524,716	Carril 3
450	-1,8	564119,348	4133262,253	524,716	Carril 2
450	-0,5	564118,817	4133261,066	523,416	Carril 1
450	0	564118,613	4133260,610	523,416	Eje
450	0,5	564118,409	4133260,153	523,416	Carril 1
450	2,45	564117,613	4133258,373	524,716	Carril 2
450	2,65	564117,531	4133258,191	524,716	Carril 3
455	-2	564124,016	4133260,304	524,684	Carril 3
455	-1,8	564123,929	4133260,124	524,684	Carril 2
455	-0,5	564123,364	4133258,953	523,384	Carril 1
455	0	564123,147	4133258,503	523,384	Eje
455	0,5	564122,930	4133258,052	523,384	Carril 1
455	2,45	564122,083	4133256,296	524,684	Carril 2
455	2,65	564121,996	4133256,116	524,684	Carril 3
460	-2	564128,539	4133258,042	524,651	Carril 3
460	-1,8	564128,447	4133257,864	524,651	Carril 2
460	-0,5	564127,849	4133256,710	523,351	Carril 1
460	0	564127,619	4133256,266	523,351	Eje
460	0,5	564127,389	4133255,822	523,351	Carril 1
460	2,45	564126,491	4133254,091	524,651	Carril 2
460	2,65	564126,399	4133253,913	524,651	Carril 3
465	-2	564132,995	4133255,649	524,618	Carril 3
465	-1,8	564132,898	4133255,475	524,618	Carril 2
465	-0,5	564132,267	4133254,338	523,318	Carril 1
465	0	564132,024	4133253,901	523,318	Eje
465	0,5	564131,781	4133253,464	523,318	Carril 1
465	2,45	564130,834	4133251,759	524,618	Carril 2
465	2,65	564130,737	4133251,585	524,618	Carril 3
470	-2	564137,380	4133253,130	524,585	Carril 3
470	-1,8	564137,278	4133252,958	524,585	Carril 2
470	-0,5	564136,615	4133251,840	523,285	Carril 1
470	0	564136,359	4133251,410	523,285	Eje
470	0,5	564136,104	4133250,980	523,285	Carril 1
470	2,45	564135,108	4133249,304	524,585	Carril 2
470	2,65	564135,006	4133249,132	524,585	Carril 3
471,848	-2	564138,982	4133252,167	524,573	Carril 3
471,848	-1,8	564138,878	4133251,996	524,573	Carril 2
471,848	-0,5	564138,203	4133250,886	523,273	Carril 1
471,848	0	564137,943	4133250,458	523,273	Eje
471,848	0,5	564137,683	4133250,031	523,273	Carril 1
471,848	2,45	564136,669	4133248,365	524,573	Carril 2
471,848	2,65	564136,565	4133248,194	524,573	Carril 3
471,848	-2	564138,982	4133252,167	524,573	Carril 3
471,848	-1,8	564138,878	4133251,996	524,573	Carril 2
471,848	-0,5	564138,203	4133250,886	523,273	Carril 1
471,848	0	564137,943	4133250,458	523,273	Eje
471,848	0,5	564137,683	4133250,031	523,273	Carril 1
471,848	2,45	564136,669	4133248,365	524,573	Carril 2
471,848	2,65	564136,565	4133248,194	524,573	Carril 3

LISTADO DE REPLANTEO DE TALUDES

P.K.	RET	Coord. X	Coord. Y	Coord. Z	Código
0	-3,035	563805,767	4133305,286	526,634	CPT
0	4,104	563811,486	4133301,012	526,215	CPT
5	-3,205	563809,465	4133309,542	528,842	CPT
5	3,929	563814,180	4133304,189	526,357	CPT
9,621	-4,179	563813,205	4133313,446	529,785	CPT
9,621	4,213	563817,454	4133306,209	526,043	CPT
10	-3,97	563813,747	4133313,513	529,574	CPT
10	4,212	563817,671	4133306,333	526,042	CPT
15	-2,369	563820,172	4133313,844	527,201	CPT
15	4,206	563820,799	4133307,299	526,015	CPT
16,545	-2,213	563822,007	4133313,749	527,347	CPT
16,545	4,208	563821,817	4133307,331	526,002	CPT
20	-2,82	563825,581	4133314,184	528,358	CPT
20	4,036	563825,122	4133307,344	526,152	CPT
23,192	-3,503	563828,927	4133314,588	529,020	CPT
23,192	3,361	563828,233	4133307,759	526,806	CPT
25	-3,567	563831,081	4133314,321	529,072	CPT
25	3,353	563829,681	4133307,544	526,802	CPT
26,096	-3,411	563832,321	4133313,864	528,909	CPT
26,096	3,418	563830,527	4133307,275	526,730	CPT
30	-2,065	563835,831	4133311,369	527,408	CPT
30	4,233	563833,763	4133305,421	525,889	CPT
32,657	-2,073	563838,413	4133310,412	527,528	CPT
32,657	4,223	563836,070	4133304,569	525,882	CPT
35	-3,24	563840,947	4133310,688	528,680	CPT
35	4,245	563838,363	4133303,664	525,844	CPT
40	-5,287	563846,087	4133311,133	530,694	CPT
40	4,301	563843,339	4133301,947	525,756	CPT
40,49	-5,609	563846,616	4133311,312	531,012	CPT
40,49	4,284	563843,838	4133301,817	525,769	CPT
45	-5,775	563850,695	4133310,421	531,149	CPT
45	4,29	563848,447	4133300,610	525,734	CPT
48,595	-3,119	563853,479	4133307,142	528,469	CPT
48,595	4,252	563852,175	4133299,887	525,749	CPT
50	-2,904	563854,755	4133306,711	528,245	CPT
50	4,285	563853,660	4133299,606	525,706	CPT
55	-2,389	563859,435	4133305,684	527,697	CPT
55	4,308	563859,006	4133299,001	525,650	CPT
55,579	-2,312	563859,984	4133305,574	527,617	CPT
55,579	4,31	563859,628	4133298,962	525,644	CPT
60	-2,396	563863,749	4133305,957	527,672	CPT
60	4,336	563865,167	4133299,376	525,589	CPT
62,619	-2,66	563865,798	4133306,845	527,918	CPT
62,619	3,336	563867,966	4133301,255	526,572	CPT
65	-2,98	563867,666	4133307,998	528,223	CPT
65	3,187	563870,315	4133302,430	526,705	CPT

70	-3,11	563871,521	4133310,365	528,319	CPT
70	3,108	563875,030	4133305,232	526,752	CPT
72,369	-2,951	563873,340	4133311,512	528,145	CPT
72,369	3,367	563877,281	4133306,574	526,477	CPT
75	-2,74	563874,910	4133312,778	527,917	CPT
75	3,955	563880,120	4133308,574	525,872	CPT
75,484	-2,686	563875,182	4133313,042	527,860	CPT
75,484	4,102	563880,632	4133308,995	525,721	CPT
80	-2,032	563878,690	4133316,294	527,112	CPT
80	4,423	563883,484	4133311,971	525,371	CPT
81,656	-2,162	563879,775	4133317,646	526,972	CPT
81,656	4,408	563884,498	4133313,079	525,375	CPT
83,933	-2,263	563882,609	4133319,481	526,855	CPT
83,933	4,391	563884,505	4133313,103	525,377	CPT
85	-2,057	563884,054	4133319,570	527,054	CPT
85	4,377	563884,817	4133313,182	525,384	CPT
86,632	-2,073	563886,216	4133319,562	527,174	CPT
86,632	4,348	563885,313	4133313,205	525,403	CPT
87,431	-2,101	563887,233	4133319,388	527,197	CPT
87,431	4,335	563885,625	4133313,156	525,411	CPT
89,936	-2,125	563889,725	4133318,722	527,203	CPT
89,936	4,388	563887,875	4133312,477	525,341	CPT
90	-2,128	563889,794	4133318,705	527,206	CPT
90	4,387	563887,924	4133312,464	525,341	CPT
95	-2,339	563894,938	4133316,700	527,385	CPT
95	4,388	563891,548	4133310,889	525,308	CPT
98,787	-2,321	563898,350	4133314,253	527,342	CPT
98,787	4,422	563893,968	4133309,129	525,249	CPT
100	-2,264	563899,064	4133313,642	527,277	CPT
100	4,445	563895,345	4133308,058	525,218	CPT
104,964	-2,66	563902,695	4133312,757	527,640	CPT
104,964	3,831	563902,069	4133306,297	525,799	CPT
105	-2,662	563902,724	4133312,757	527,642	CPT
105	3,828	563902,115	4133306,295	525,802	CPT
107,965	-2,741	563905,103	4133312,867	527,701	CPT
107,965	3,717	563905,881	4133306,456	525,894	CPT
110	-2,51	563906,860	4133312,946	527,457	CPT
110	3,762	563908,299	4133306,841	525,835	CPT
111,427	-2,377	563908,087	4133313,148	527,315	CPT
111,427	4,02	563910,033	4133307,054	525,568	CPT
115	-2,106	563911,311	4133314,073	527,021	CPT
115	4,306	563913,875	4133308,196	525,258	CPT
115,066	-2,104	563911,369	4133314,096	527,018	CPT
115,066	4,316	563913,947	4133308,217	525,248	CPT
117,781	-2,08	563913,523	4133315,200	526,976	CPT
117,781	4,485	563916,972	4133309,614	525,061	CPT
120	-2,081	563915,136	4133316,334	526,962	CPT
120	4,507	563919,235	4133311,176	525,024	CPT
121,028	-2,117	563915,811	4133316,948	526,992	CPT
121,028	4,5	563920,206	4133312,002	525,025	CPT

123,236	-2,26	563916,783	4133318,281	527,120	CPT
123,236	4,488	563922,396	4133314,534	525,023	CPT
125	-2,409	563917,426	4133319,658	527,257	CPT
125	4,516	563923,566	4133316,454	524,983	CPT
126,112	-2,449	563917,799	4133320,529	527,290	CPT
126,112	4,517	563924,179	4133317,733	524,975	CPT
130	-3,079	563918,709	4133324,292	527,896	CPT
130	4,514	563925,737	4133321,417	524,952	CPT
134,996	-3,593	563920,008	4133329,033	528,376	CPT
134,996	4,509	563927,601	4133326,206	524,925	CPT
135	-3,593	563920,010	4133329,037	528,376	CPT
135	4,509	563927,603	4133326,211	524,925	CPT
140	-3,896	563921,308	4133333,702	528,646	CPT
140	4,124	563928,942	4133331,242	525,276	CPT
144,141	-4,907	563921,490	4133337,802	529,630	CPT
144,141	3,896	563929,963	4133335,414	525,477	CPT
145	-4,992	563921,654	4133338,685	529,710	CPT
145	3,776	563930,076	4133336,246	525,591	CPT
150	-4,593	563923,584	4133343,528	529,278	CPT
150	3,274	563931,043	4133341,029	526,061	CPT
153,641	-3,535	563925,830	4133346,727	528,196	CPT
153,641	3,849	563932,758	4133344,172	525,462	CPT
155	-3,634	563926,285	4133348,161	528,286	CPT
155	3,949	563933,291	4133345,257	525,353	CPT
158,976	-4,055	563927,834	4133352,322	528,681	CPT
158,976	4,122	563934,974	4133348,337	525,154	CPT
160	-3,909	563928,521	4133353,224	528,528	CPT
160	4,134	563935,442	4133349,128	525,135	CPT
164,756	-3,437	563931,812	4133357,261	528,025	CPT
164,756	3,582	563937,389	4133352,998	525,656	CPT
165	-3,416	563932,052	4133357,529	528,002	CPT
165	3,568	563937,455	4133353,104	525,668	CPT
170	-5,186	563937,883	4133362,974	529,740	CPT
170	3,919	563939,664	4133354,045	525,285	CPT
171,489	-5,959	563940,425	4133363,987	530,503	CPT
171,489	4,127	563940,345	4133353,902	525,067	CPT
175	-6,202	563942,859	4133364,421	530,723	CPT
175	4,567	563944,620	4133353,797	524,604	CPT
180	-6,085	563946,235	4133365,295	530,573	CPT
180	3,379	563950,002	4133356,614	527,217	CPT
182,501	-5,233	563948,229	4133365,356	529,705	CPT
182,501	3,394	563952,606	4133357,922	527,216	CPT
185	-3,67	563950,533	4133365,087	528,125	CPT
185	3,419	563955,137	4133359,696	527,224	CPT
190	-2,541	563953,868	4133367,385	525,881	CPT
190	3,551	563959,171	4133364,388	525,522	CPT
193,119	-2,33	563955,079	4133369,676	526,072	CPT
193,119	4,024	563961,156	4133367,821	525,028	CPT
195	-2,406	563956,068	4133371,996	526,795	CPT
195	4,078	563961,528	4133368,498	524,961	CPT

200	-2,909	563961,238	4133376,409	525,448	CPT
200	4,31	563963,189	4133369,458	524,697	CPT
200,69	-3,011	563962,178	4133376,727	525,342	CPT
200,69	4,349	563963,447	4133369,477	524,653	CPT
205	-2,394	563967,701	4133375,726	526,718	CPT
205	4,224	563965,632	4133369,440	524,750	CPT
207,012	-2,984	563970,328	4133375,159	527,294	CPT
207,012	3,693	563966,853	4133369,457	525,267	CPT
210	-2,681	563972,786	4133373,225	526,972	CPT
210	2,905	563969,672	4133368,588	526,546	CPT
215	-3,381	563977,423	4133370,722	527,639	CPT
215	2,754	563973,636	4133365,895	526,155	CPT
220	-4,462	563982,158	4133368,131	528,687	CPT
220	3,137	563977,039	4133362,514	526,712	CPT
224,248	-4,968	563985,770	4133365,330	529,166	CPT
224,248	3,182	563979,914	4133359,662	526,730	CPT
225	-4,877	563986,255	4133364,694	529,069	CPT
225	3,089	563980,483	4133359,204	526,631	CPT
230	-4,117	563989,203	4133360,272	528,276	CPT
230	3,034	563983,745	4133355,652	525,775	CPT
235	-2,891	563991,490	4133355,442	527,018	CPT
235	4,486	563985,593	4133351,009	524,292	CPT
237,255	-2,284	563992,371	4133353,209	526,396	CPT
237,255	4,455	563986,881	4133349,301	524,307	CPT
240	-2,176	563993,754	4133349,902	525,918	CPT
240	4,45	563987,306	4133348,374	524,294	CPT
241,027	-2,336	563994,127	4133348,592	525,751	CPT
241,027	4,441	563987,377	4133347,996	524,297	CPT
245	-2,216	563993,700	4133343,953	525,846	CPT
245	4,409	563987,236	4133345,405	524,302	CPT
246,274	-2,116	563993,206	4133342,546	525,937	CPT
246,274	4,356	563987,063	4133344,582	524,347	CPT
250	-3,364	563993,056	4133338,474	527,393	CPT
250	3,502	563986,670	4133340,995	525,177	CPT
255	-3,951	563991,473	4133333,409	527,947	CPT
255	3,373	563984,882	4133336,603	525,273	CPT
258,144	-4,203	563990,172	4133330,327	528,178	CPT
258,144	3,454	563983,447	4133333,987	525,171	CPT
260	-4,305	563989,222	4133328,480	528,268	CPT
260	3,642	563982,447	4133332,633	524,971	CPT
265	-4,263	563985,945	4133323,952	528,193	CPT
265	2,995	563980,340	4133328,563	525,585	CPT
267,776	-4,327	563983,929	4133321,589	528,239	CPT
267,776	2,758	563978,819	4133326,498	525,804	CPT
270	-4,324	563982,646	4133320,161	528,222	CPT
270	2,786	563977,186	4133324,715	525,762	CPT
275	-4,286	563980,120	4133316,660	528,151	CPT
275	2,704	563974,115	4133320,239	525,918	CPT
276,807	-4,25	563979,327	4133315,313	528,103	CPT
276,807	2,669	563973,191	4133318,510	525,872	CPT

280	-4,234	563978,461	4133313,169	528,066	CPT
280	2,882	563971,609	4133315,092	525,599	CPT
283,201	-4,283	563978,117	4133310,879	528,093	CPT
283,201	2,804	563971,045	4133311,350	525,657	CPT
285	-4,318	563978,079	4133309,266	528,117	CPT
285	2,651	563971,112	4133309,429	525,800	CPT
290	-4,161	563978,086	4133304,773	527,928	CPT
290	2,789	563971,168	4133304,105	525,905	CPT
293,663	-3,793	563978,185	4133301,441	527,535	CPT
293,663	2,655	563971,846	4133300,261	525,747	CPT
295	-3,642	563978,274	4133300,327	527,375	CPT
295	2,837	563971,989	4133298,751	525,546	CPT
300	-2,992	563979,162	4133296,144	526,693	CPT
300	3,737	563973,180	4133293,061	524,613	CPT
305	-2,594	563981,256	4133292,314	526,261	CPT
305	3,799	563976,392	4133288,166	524,519	CPT
310	-2,85	563984,623	4133289,528	526,485	CPT
310	3,801	563980,682	4133284,171	524,484	CPT
314,303	-3,55	563988,129	4133288,259	527,157	CPT
314,303	3,073	563985,331	4133282,256	525,184	CPT
315	-3,702	563988,812	4133288,110	527,304	CPT
315	2,911	563986,043	4133282,104	525,341	CPT
320	-4,717	563993,677	4133287,066	528,286	CPT
320	3,196	563990,585	4133279,782	526,116	CPT
325	-5,345	563998,403	4133285,822	528,881	CPT
325	3,623	563995,151	4133277,464	526,510	CPT
330	-5,451	564002,973	4133284,237	528,955	CPT
330	3,668	563999,926	4133275,641	526,522	CPT
335	-5,284	564007,502	4133282,532	528,755	CPT
335	3,291	564004,885	4133274,366	526,111	CPT
340	-4,847	564012,011	4133280,706	528,285	CPT
340	2,896	564009,874	4133273,264	525,684	CPT
345	-4,028	564016,493	4133278,644	527,433	CPT
345	3,388	564014,663	4133271,457	524,667	CPT
350	-3,444	564021,110	4133276,943	526,816	CPT
350	3,773	564019,544	4133269,898	524,249	CPT
355	-4,6	564026,120	4133277,089	527,940	CPT
355	3,108	564024,677	4133269,517	525,798	CPT
360	-5,976	564031,124	4133277,611	529,283	CPT
360	3,974	564029,560	4133267,785	526,631	CPT
365	-6,922	564036,013	4133277,864	530,196	CPT
365	3,932	564034,634	4133267,098	526,556	CPT
369,199	-7,502	564040,068	4133277,981	530,748	CPT
369,199	3,591	564038,940	4133266,946	526,187	CPT
370	-7,538	564040,828	4133277,942	530,779	CPT
370	3,572	564039,758	4133266,883	526,163	CPT
375	-7,332	564045,548	4133277,358	530,541	CPT
375	3,319	564044,876	4133266,728	525,877	CPT
380	-4,895	564050,225	4133274,701	528,071	CPT
380	3,063	564049,989	4133266,747	525,589	CPT

385	-4,294	564055,064	4133274,037	527,437	CPT
385	2,854	564055,090	4133266,889	525,347	CPT
390	-3,932	564059,932	4133273,774	527,042	CPT
390	3,381	564060,203	4133266,466	524,379	CPT
394,472	-2,736	564064,361	4133272,807	525,817	CPT
394,472	4,037	564064,814	4133266,050	523,693	CPT
395	-2,57	564064,909	4133272,677	525,647	CPT
395	4,039	564065,325	4133266,081	523,688	CPT
400	-2,412	564070,006	4133272,743	524,632	CPT
400	4,057	564070,167	4133266,276	523,637	CPT
405	-2,03	564075,092	4133272,391	524,981	CPT
405	4,07	564075,012	4133266,291	523,592	CPT
410	-3,089	564080,220	4133273,285	526,068	CPT
410	4,086	564079,854	4133266,120	523,543	CPT
415	-3,499	564085,361	4133273,335	526,445	CPT
415	4,05	564084,689	4133265,816	523,546	CPT
418,165	-3,24	564088,564	4133272,750	526,166	CPT
418,165	4,113	564087,734	4133265,444	523,462	CPT
420	-3,361	564090,468	4133272,636	526,275	CPT
420	4,112	564089,471	4133265,229	523,452	CPT
425	-4,256	564095,759	4133272,677	527,136	CPT
425	2,998	564094,386	4133265,554	524,533	CPT
430	-5,674	564101,220	4133272,915	528,521	CPT
430	2,985	564099,104	4133264,519	525,182	CPT
435	-5,884	564106,403	4133271,670	528,699	CPT
435	2,907	564103,776	4133263,281	525,072	CPT
440	-5,406	564111,276	4133269,486	528,188	CPT
440	2,938	564108,337	4133261,677	525,070	CPT
440,549	-5,441	564111,833	4133269,312	528,220	CPT
440,549	2,967	564108,823	4133261,462	525,095	CPT
445	-5,83	564116,246	4133267,974	528,579	CPT
445	3,154	564112,816	4133259,670	525,253	CPT
450	-6,145	564121,122	4133266,219	528,862	CPT
450	3,27	564117,278	4133257,625	525,337	CPT
455	-5,627	564125,592	4133263,571	528,311	CPT
455	3,5	564121,627	4133255,350	525,534	CPT
460	-4,648	564129,758	4133260,392	527,299	CPT
460	2,918	564126,276	4133253,675	524,919	CPT
465	-3,52	564133,733	4133256,978	526,138	CPT
465	3,625	564130,264	4133250,732	523,643	CPT
470	-2,199	564137,482	4133253,301	524,386	CPT
470	4,176	564134,227	4133247,820	523,059	CPT
471,848	-2,763	564139,379	4133252,819	523,810	CPT
471,848	4,165	564135,778	4133246,900	523,058	CPT
471,848	-2,763	564139,379	4133252,819	523,810	CPT
471,848	4,165	564135,778	4133246,900	523,058	CPT

■ Camino de acceso

LISTADO DE EJE EN PLANTA

Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Parametro	Longitud
Rec	0	563887,008	4132496,430	140,357111	0	0	5
Rec	5	563891,037	4132493,469	140,357111	0	0	5
Rec	10	563895,065	4132490,507	140,357111	0	0	5
Rec	15	563899,094	4132487,546	140,357111	0	0	5
Rec	20	563903,122	4132484,584	140,357111	0	0	5
Rec	25	563907,151	4132481,622	140,357111	0	0	5
Rec	30	563911,179	4132478,661	140,357111	0	0	5
Rec	35	563915,208	4132475,699	140,357111	0	0	5
Cur	40	563919,250	4132472,758	136,240518	-78,928	0	5
Cur	45	563923,544	4132470,198	132,2076	-78,928	0	5
Cur	50	563927,992	4132467,915	128,174682	-78,928	0	5
Cur	55	563932,575	4132465,918	124,141764	-78,928	0	5
Cur	60	563937,275	4132464,215	120,108846	-78,928	0	5
Cur	65	563942,073	4132462,814	116,075928	-78,928	0	5
Cur	70	563946,951	4132461,718	112,043011	-78,928	0	5
Cur	75	563951,889	4132460,934	108,010093	-78,928	0	5
Cur	80	563956,866	4132460,464	103,977175	-78,928	0	5
Cur	85	563961,862	4132460,310	99,944257	-78,928	0	5
Cur	90	563966,859	4132460,473	95,911339	-78,928	0	5
Rec	95	563971,791	4132461,254	88,040722	0	0	5
Rec	100	563976,588	4132462,647	77,678634	0	0	5
Rec	105	563981,178	4132464,612	70,643295	0	0	5
Rec	110	563985,487	4132467,135	59,242086	0	0	5
Rec	115	563989,364	4132470,285	53,432037	0	0	5
Cur	120	563993,080	4132473,629	45,932366	-109	0	5
Cur	125	563996,295	4132477,458	43,012091	-109	0	5
Cur	130	563999,331	4132481,430	40,091817	-109	0	5
Cur	135	564002,182	4132485,537	37,171543	-109	0	5
Cur	140	564004,842	4132489,770	34,251269	-109	0	5
Cur	145	564007,305	4132494,121	31,330995	-109	0	5
Cur	150	564009,566	4132498,580	28,410721	-109	0	5
Cur	155	564011,620	4132503,138	25,490446	-109	0	5
Cur	160	564013,462	4132507,786	22,570172	-109	0	5
Cur	165	564015,090	4132512,513	19,649898	-109	0	5
Cur	170	564016,499	4132517,310	16,729624	-109	0	5
Cur	175	564017,687	4132522,167	13,80935	-109	0	5
Cur	180	564018,650	4132527,072	10,889075	-109	0	5
Rec	185	564019,307	4132532,024	2,700845	0	0	5
Rec	190	564019,519	4132537,020	2,700845	0	0	5
Rec	195	564019,731	4132542,015	2,700845	0	0	5
Rec	200	564019,943	4132547,011	2,700845	0	0	5
Rec	205	564020,155	4132552,006	2,700845	0	0	5
Rec	210	564020,367	4132557,002	2,700845	0	0	5
Rec	215	564020,579	4132561,997	2,700845	0	0	5

Rec	220	564020,791	4132566,993	2,700845	0	0	5
Rec	225	564021,003	4132571,988	2,700845	0	0	5
Rec	230	564021,215	4132576,984	2,700845	0	0	5
Rec	235	564021,427	4132581,979	2,700845	0	0	5
Rec	240	564021,639	4132586,975	2,700845	0	0	5
Rec	245	564021,851	4132591,970	2,700845	0	0	5
Rec	250	564022,063	4132596,966	2,700845	0	0	5
Rec	255	564022,276	4132601,961	2,700845	0	0	5
Rec	260	564022,488	4132606,957	2,700845	0	0	5
Rec	265	564022,700	4132611,952	2,700845	0	0	5
Rec	270	564022,912	4132616,948	2,700845	0	0	5
Rec	275	564023,124	4132621,943	2,700845	0	0	5
Rec	280	564023,336	4132626,939	2,700845	0	0	5
Rec	285	564023,548	4132631,934	2,700845	0	0	5
Rec	290	564023,760	4132636,930	2,700845	0	0	5
Rec	295	564023,972	4132641,925	2,700845	0	0	5
Rec	300	564024,184	4132646,921	2,700845	0	0	5
Rec	305	564024,396	4132651,916	2,700845	0	0	5
Rec	310	564024,608	4132656,912	2,700845	0	0	5
Rec	315	564024,818	4132661,907	2,393387	0	0	5
Rec	320	564025,006	4132666,904	2,393387	0	0	5
Rec	325	564025,194	4132671,900	2,393387	0	0	5
Rec	330	564025,382	4132676,897	2,393387	0	0	5
Rec	335	564025,569	4132681,893	2,393387	0	0	5
Rec	340	564025,757	4132686,890	2,393387	0	0	5
Rec	345	564025,945	4132691,886	2,393387	0	0	5
Rec	350	564026,133	4132696,883	2,393387	0	0	5
Rec	355	564026,321	4132701,879	2,393387	0	0	5
Rec	360	564026,509	4132706,875	2,393387	0	0	5
Rec	365	564026,697	4132711,872	2,393387	0	0	5
Rec	370	564026,885	4132716,868	2,393387	0	0	5
Rec	375	564027,073	4132721,865	2,393387	0	0	5
Rec	380	564027,261	4132726,861	2,393387	0	0	5
Rec	385	564027,449	4132731,858	2,393387	0	0	5
Rec	390	564027,637	4132736,854	2,393387	0	0	5
Cur	395	564028,164	4132741,818	13,475158	22,5	0	5
Cur	400	564029,746	4132746,550	27,622265	22,5	0	5
Cur	405	564032,333	4132750,817	41,769371	22,5	0	5
Rec	410	564035,797	4132754,409	55,804555	0	0	5
Rec	415	564039,639	4132757,608	55,804555	0	0	5
Rec	420	564043,482	4132760,807	55,804555	0	0	5
Rec	425	564047,325	4132764,006	55,804555	0	0	5
Rec	430	564051,168	4132767,205	55,804555	0	0	5
Rec	435	564055,011	4132770,404	55,804555	0	0	5
Rec	440	564058,853	4132773,603	55,804555	0	0	5
Rec	445	564062,696	4132776,801	55,804555	0	0	5
Rec	450	564066,539	4132780,000	55,804555	0	0	5
Rec	455	564070,382	4132783,199	55,804555	0	0	5
Rec	460	564074,224	4132786,398	55,804555	0	0	5
Rec	465	564078,067	4132789,597	55,804555	0	0	5

Rec	470	564081,910	4132792,796	55,804555	0	0	5
Rec	475	564085,753	4132795,995	55,804555	0	0	5
Rec	480	564089,595	4132799,194	55,804555	0	0	5
Rec	485	564093,438	4132802,393	55,804555	0	0	5
Cur	490	564097,233	4132805,648	52,705035	-62,5	0	5
Cur	495	564100,776	4132809,174	47,612077	-62,5	0	5
Cur	500	564104,026	4132812,971	42,519118	-62,5	0	5
Cur	505	564106,963	4132817,017	37,42616	-62,5	0	5
Cur	510	564109,566	4132821,284	32,333202	-62,5	0	5
Rec	515	564111,925	4132825,693	31,125461	0	0	5
Rec	520	564114,273	4132830,107	31,125461	0	0	5
Rec	525	564116,621	4132834,521	31,125461	0	0	5
Rec	530	564118,970	4132838,935	31,125461	0	0	5
Rec	535	564121,318	4132843,349	31,125461	0	0	5
Rec	540	564123,666	4132847,764	31,125461	0	0	5
Rec	545	564126,015	4132852,178	31,125461	0	0	5
Rec	550	564128,363	4132856,592	31,125461	0	0	5
Rec	555	564130,712	4132861,006	31,125461	0	0	5
Rec	560	564133,060	4132865,420	31,125461	0	0	5
Rec	565	564135,408	4132869,835	31,125461	0	0	5
Rec	570	564137,757	4132874,249	31,125461	0	0	5
Rec	575	564140,105	4132878,663	31,125461	0	0	5
Rec	580	564142,453	4132883,077	31,125461	0	0	5
Rec	585	564144,802	4132887,492	31,125461	0	0	5
Rec	590	564147,150	4132891,906	31,125461	0	0	5
Rec	595	564149,498	4132896,320	31,125461	0	0	5
Rec	600	564151,847	4132900,734	31,125461	0	0	5
Rec	605	564154,195	4132905,148	31,125461	0	0	5
Rec	610	564156,543	4132909,563	31,125461	0	0	5
Rec	615	564158,892	4132913,977	31,125461	0	0	5
Rec	620	564161,240	4132918,391	31,125461	0	0	5
Rec	625	564163,588	4132922,805	31,125461	0	0	5
Rec	630	564165,937	4132927,219	31,125461	0	0	5
Rec	635	564168,285	4132931,634	31,125461	0	0	5
Rec	640	564170,634	4132936,048	31,125461	0	0	5
Rec	645	564172,982	4132940,462	31,125461	0	0	5
Rec	650	564175,330	4132944,876	31,125461	0	0	5
Rec	655	564177,679	4132949,290	31,125461	0	0	5
Cur	660	564180,214	4132953,598	36,637464	57,5	0	5
Cur	665	564183,114	4132957,669	42,173288	57,5	0	5
Rec	670	564186,324	4132961,502	45,236631	0	0	5
Rec	675	564189,586	4132965,292	45,236631	0	0	5
Rec	680	564192,847	4132969,081	45,236631	0	0	5
Rec	685	564196,109	4132972,871	45,236631	0	0	5
Rec	690	564199,370	4132976,661	45,236631	0	0	5
Rec	695	564202,631	4132980,451	45,236631	0	0	5
Rec	700	564205,893	4132984,241	45,236631	0	0	5
Rec	705	564209,154	4132988,031	45,236631	0	0	5
Cur	710	564212,408	4132991,827	44,108203	-62,5	0	5
Cur	715	564215,444	4132995,798	39,015245	-62,5	0	5

Cur	720	564218,154	4132999,999	33,922287	-62,5	0	5
Cur	725	564220,519	4133004,403	28,829329	-62,5	0	5
Cur	730	564222,524	4133008,981	23,73637	-62,5	0	5
Cur	735	564224,158	4133013,706	18,643412	-62,5	0	5
Cur	740	564225,408	4133018,545	13,550454	-62,5	0	5
Cur	745	564226,268	4133023,470	8,457496	-62,5	0	5
Cur	750	564226,731	4133028,447	3,364538	-62,5	0	5
Cur	755	564226,795	4133033,445	398,271579	-62,5	0	5
Rec	760	564226,461	4133038,432	393,573431	0	0	5
Rec	765	564225,957	4133043,407	393,573431	0	0	5
Rec	770	564225,453	4133048,382	393,573431	0	0	5
Rec	775	564224,950	4133053,356	393,573431	0	0	5
Rec	780	564224,446	4133058,331	393,573431	0	0	5
Rec	785	564223,942	4133063,305	393,573431	0	0	5
Rec	790	564223,438	4133068,280	393,573431	0	0	5
Rec	795	564222,934	4133073,254	393,573431	0	0	5
Rec	800	564222,430	4133078,229	393,573431	0	0	5
Rec	805	564221,926	4133083,203	393,573431	0	0	5
Rec	810	564221,422	4133088,178	393,573431	0	0	5
Rec	815	564220,919	4133093,152	393,573431	0	0	5
Rec	820	564220,415	4133098,127	393,573431	0	0	5
Rec	825	564219,911	4133103,102	393,573431	0	0	5
Rec	830	564219,407	4133108,076	393,573431	0	0	2,351
Rec	832,35	564219,170	4133110,415	393,573431	0	0	

LISTADO DE EJE EN ALZADO

Tipo	P.K.	Coord. X	Coord. Y	Diseño de elevación	Elevación existente	Diferencia de elevación
Rec	0	563887,008	4132496,430	576,785	576,778	-0,006512
Rec	5	563891,037	4132493,469	576,595	576,577	-0,018608
Rec	10	563895,065	4132490,507	576,406	576,518	0,112072
Rec	15	563899,094	4132487,546	576,217	576,485	0,268641
Rec	20	563903,122	4132484,584	576,027	576,378	0,350655
Rec	25	563907,151	4132481,622	575,838	576,265	0,426458
Rec	30	563911,179	4132478,661	575,649	576,237	0,588239
Rec	35	563915,208	4132475,699	575,459	576,138	0,678488
Cur	40	563919,250	4132472,758	575,27	576,005	0,734823
Cur	45	563923,544	4132470,198	575,081	576,11	1,0292
Cur	50	563927,992	4132467,915	574,892	575,677	0,785406
Cur	55	563932,575	4132465,918	574,702	575,379	0,676467
Cur	60	563937,275	4132464,215	574,513	575,217	0,70399
Cur	65	563942,073	4132462,814	574,324	576,074	1,750726
Cur	70	563946,951	4132461,718	574,134	576,66	2,525574
Cur	75	563951,889	4132460,934	573,945	575,386	1,440406
Cur	80	563956,866	4132460,464	573,756	574,322	0,566157
Cur	85	563961,862	4132460,310	573,567	574,003	0,436644
Cur	90	563966,859	4132460,473	573,377	573,838	0,460741
Rec	95	563971,791	4132461,254	573,188	573,998	0,810334
Rec	100	563976,588	4132462,647	572,999	574,708	1,709325
Rec	105	563981,178	4132464,612	572,809	576,522	3,712697
Rec	110	563985,487	4132467,135	572,62	578,977	6,356908
Rec	115	563989,364	4132470,285	572,431	580,832	8,401127
Cur	120	563993,080	4132473,629	572,242	579,595	7,353492
Cur	125	563996,295	4132477,458	572,052	577,477	5,424729
Cur	130	563999,331	4132481,430	571,863	575,247	3,384076
Cur	135	564002,182	4132485,537	571,674	572,99	1,316411
Cur	140	564004,842	4132489,770	571,484	571,673	0,188659
Cur	145	564007,305	4132494,121	571,295	570,981	-0,313746
Cur	150	564009,566	4132498,580	571,106	570,931	-0,174757
Cur	155	564011,620	4132503,138	570,941	571,017	0,076239
Cur	160	564013,462	4132507,786	570,855	571,183	0,3276
Cur	165	564015,090	4132512,513	570,77	571,327	0,557048
Cur	170	564016,499	4132517,310	570,685	571,497	0,812429
Cur	175	564017,687	4132522,167	570,599	571,656	1,056909
Cur	180	564018,650	4132527,072	570,514	571,789	1,275258
Rec	185	564019,307	4132532,024	570,428	571,844	1,415306
Rec	190	564019,519	4132537,020	570,343	571,799	1,456087
Rec	195	564019,731	4132542,015	570,257	570,722	0,464793
Rec	200	564019,943	4132547,011	570,172	570,017	-0,155085
Rec	205	564020,155	4132552,006	570,087	570,604	0,517719
Rec	210	564020,367	4132557,002	570,001	570,301	0,299744
Rec	215	564020,579	4132561,997	569,916	569,54	-0,375373

Rec	220	564020,791	4132566,993	569,83	569,94	0,109573
Rec	225	564021,003	4132571,988	569,433	569,436	0,003445
Rec	230	564021,215	4132576,984	568,72	567,951	-0,768757
Rec	235	564021,427	4132581,979	568,007	566,835	-1,172044
Rec	240	564021,639	4132586,975	567,294	567,153	-0,141211
Rec	245	564021,851	4132591,970	566,581	566,825	0,243765
Rec	250	564022,063	4132596,966	565,869	566,403	0,534334
Rec	255	564022,276	4132601,961	565,156	565,772	0,61566
Rec	260	564022,488	4132606,957	564,443	566,49	2,04688
Rec	265	564022,700	4132611,952	563,73	565,956	2,225335
Rec	270	564022,912	4132616,948	563,018	564,966	1,948426
Rec	275	564023,124	4132621,943	562,305	564,42	2,115076
Rec	280	564023,336	4132626,939	561,592	563,241	1,648972
Rec	285	564023,548	4132631,934	560,879	561,008	0,129141
Rec	290	564023,760	4132636,930	560,166	560,078	-0,088482
Rec	295	564023,972	4132641,925	559,454	558,778	-0,675343
Rec	300	564024,184	4132646,921	558,741	558,005	-0,735936
Rec	305	564024,396	4132651,916	558,028	557,532	-0,495994
Rec	310	564024,608	4132656,912	557,315	558,113	0,79761
Rec	315	564024,818	4132661,907	556,603	557,765	1,162411
Rec	320	564025,006	4132666,904	555,89	556,184	0,294156
Rec	325	564025,194	4132671,900	555,177	553,554	-1,623314
Rec	330	564025,382	4132676,897	554,464	552,783	-1,681298
Rec	335	564025,569	4132681,893	554,346	553,189	-1,157238
Rec	340	564025,757	4132686,890	554,391	554,331	-0,059537
Rec	345	564025,945	4132691,886	554,435	554,187	-0,248158
Rec	350	564026,133	4132696,883	554,48	553,279	-1,200738
Rec	355	564026,321	4132701,879	554,524	553,717	-0,807665
Rec	360	564026,509	4132706,875	554,569	553,356	-1,212939
Rec	365	564026,697	4132711,872	554,614	553,447	-1,166074
Rec	370	564026,885	4132716,868	554,658	554,265	-0,39314
Rec	375	564027,073	4132721,865	554,865	555,882	1,016812
Rec	380	564027,261	4132726,861	557,126	556,999	-0,127235
Rec	385	564027,449	4132731,858	559,388	559,725	0,337875
Rec	390	564027,637	4132736,854	561,649	562,62	0,971026
Cur	395	564028,164	4132741,818	563,91	565,331	1,420359
Cur	400	564029,746	4132746,550	564,447	565,925	1,477712
Cur	405	564032,333	4132750,817	564,837	566,072	1,234786
Rec	410	564035,797	4132754,409	565,228	565,194	-0,03353
Rec	415	564039,639	4132757,608	564,474	564,262	-0,211515
Rec	420	564043,482	4132760,807	563,42	562,699	-0,72097
Rec	425	564047,325	4132764,006	562,366	562,211	-0,155526
Rec	430	564051,168	4132767,205	561,312	561,877	0,564697
Rec	435	564055,011	4132770,404	559,948	560,508	0,559975
Rec	440	564058,853	4132773,603	558,242	558,488	0,245783
Rec	445	564062,696	4132776,801	556,536	556,967	0,430847
Rec	450	564066,539	4132780,000	554,83	554,901	0,070763
Rec	455	564070,382	4132783,199	553,124	553,392	0,267474
Rec	460	564074,224	4132786,398	551,418	551,821	0,402744
Rec	465	564078,067	4132789,597	549,712	550	0,287458



Rec	470	564081,910	4132792,796	548,006	548,124	0,117724
Rec	475	564085,753	4132795,995	546,3	546,728	0,427946
Rec	480	564089,595	4132799,194	544,594	544,78	0,185704
Rec	485	564093,438	4132802,393	542,888	542,754	-0,134489
Cur	490	564097,233	4132805,648	541,182	540,84	-0,342315
Cur	495	564100,776	4132809,174	539,476	539,395	-0,081155
Cur	500	564104,026	4132812,971	538,622	538,2	-0,421952
Cur	505	564106,963	4132817,017	537,952	537,298	-0,654159
Cur	510	564109,566	4132821,284	537,282	536,462	-0,819529
Rec	515	564111,925	4132825,693	536,611	535,863	-0,748117
Rec	520	564114,273	4132830,107	535,941	535,32	-0,621106
Rec	525	564116,621	4132834,521	535,271	534,723	-0,548148
Rec	530	564118,970	4132838,935	534,601	534,291	-0,309682
Rec	535	564121,318	4132843,349	533,93	533,661	-0,269951
Rec	540	564123,666	4132847,764	533,26	533,057	-0,203259
Rec	545	564126,015	4132852,178	532,59	532,426	-0,163795
Rec	550	564128,363	4132856,592	531,92	531,837	-0,082836
Rec	555	564130,712	4132861,006	531,25	530,986	-0,263429
Rec	560	564133,060	4132865,420	530,579	530,269	-0,310413
Rec	565	564135,408	4132869,835	529,909	529,599	-0,310231
Rec	570	564137,757	4132874,249	529,239	528,835	-0,40399
Rec	575	564140,105	4132878,663	528,569	528,049	-0,52006
Rec	580	564142,453	4132883,077	527,899	527,374	-0,524566
Rec	585	564144,802	4132887,492	527,228	526,637	-0,591603
Rec	590	564147,150	4132891,906	526,558	525,95	-0,608143
Rec	595	564149,498	4132896,320	525,888	525,149	-0,738454
Rec	600	564151,847	4132900,734	525,218	524,418	-0,79972
Rec	605	564154,195	4132905,148	524,548	523,77	-0,777949
Rec	610	564156,543	4132909,563	523,877	523,142	-0,735297
Rec	615	564158,892	4132913,977	523,207	522,583	-0,624568
Rec	620	564161,240	4132918,391	522,537	522,069	-0,467874
Rec	625	564163,588	4132922,805	521,867	521,576	-0,290589
Rec	630	564165,937	4132927,219	521,196	521,056	-0,14045
Rec	635	564168,285	4132931,634	520,526	520,509	-0,017631
Rec	640	564170,634	4132936,048	519,856	519,864	0,007973
Rec	645	564172,982	4132940,462	519,117	519,205	0,088506
Rec	650	564175,330	4132944,876	518,34	518,515	0,174504
Rec	655	564177,679	4132949,290	517,564	517,726	0,161927
Cur	660	564180,214	4132953,598	516,788	516,955	0,166691
Cur	665	564183,114	4132957,669	515,891	516,006	0,115458
Rec	670	564186,324	4132961,502	514,724	514,661	-0,063432
Rec	675	564189,586	4132965,292	513,558	513,029	-0,529044
Rec	680	564192,847	4132969,081	512,391	511,694	-0,6975
Rec	685	564196,109	4132972,871	511,225	510,552	-0,672836
Rec	690	564199,370	4132976,661	510,059	509,883	-0,175568
Rec	695	564202,631	4132980,451	508,892	508,642	-0,249702
Rec	700	564205,893	4132984,241	507,726	507,561	-0,164635
Rec	705	564209,154	4132988,031	506,834	506,858	0,023536
Cur	710	564212,408	4132991,827	506,462	506,722	0,260299
Cur	715	564215,444	4132995,798	506,089	506,371	0,28207
Cur	720	564218,154	4132999,999	505,717	505,719	0,00206
Cur	725	564220,519	4133004,403	505,549	505,175	-0,373993
Cur	730	564222,524	4133008,981	505,687	505,706	0,01935
Cur	735	564224,158	4133013,706	505,824	505,875	0,051034
Cur	740	564225,408	4133018,545	505,962	505,845	-0,116903
Cur	745	564226,268	4133023,470	506,1	505,606	-0,493162
Cur	750	564226,731	4133028,447	506,237	505,238	-0,999156
Cur	755	564226,795	4133033,445	506,375	505,543	-0,832151
Rec	760	564226,461	4133038,432	506,512	505,925	-0,58741
Rec	765	564225,957	4133043,407	506,65	506,444	-0,206411
Rec	770	564225,453	4133048,382	506,788	506,912	0,124337
Rec	775	564224,950	4133053,356	506,911	507,307	0,396267
Rec	780	564224,446	4133058,331	506,836	507,233	0,397458
Rec	785	564223,942	4133063,305	506,76	506,978	0,217071
Rec	790	564223,438	4133068,280	506,685	506,719	0,033673
Rec	795	564222,934	4133073,254	506,61	506,491	-0,119114
Rec	800	564222,430	4133078,229	506,535	506,419	-0,116112
Rec	805	564221,926	4133083,203	506,46	506,374	-0,085747
Rec	810	564221,422	4133088,178	506,385	506,28	-0,104897
Rec	815	564220,919	4133093,152	506,31	506,26	-0,049887
Rec	820	564220,415	4133098,127	506,235	506,226	-0,008682
Rec	825	564219,911	4133103,102	506,872	506,935	0,062227
Rec	830	564219,407	4133108,076	507,526	507,486	-0,040463
Rec	832,4	564219,170	4133110,415	503	507,834	4,834

LISTADO DE REPLANTEO PLATAFORMA

P.K.	RET	Coord. X	Coord. Y	Coord. Z	Código
0	-2	563888,193	4132498,042	576,785	Carril 1
0	0	563887,008	4132496,430	576,785	Eje
0	2	563885,823	4132494,819	576,785	Carril 1
0,002	-2	563888,194	4132498,040	576,784	Carril 1
0,002	0	563887,010	4132496,429	576,784	Eje
0,002	2	563885,825	4132494,818	576,784	Carril 1
10	-2	563896,250	4132492,119	576,406	Carril 1
10	0	563895,065	4132490,507	576,406	Eje
10	2	563893,881	4132488,896	576,406	Carril 1
20	-2	563904,307	4132486,195	576,027	Carril 1
20	0	563903,122	4132484,584	576,027	Eje
20	2	563901,938	4132482,973	576,027	Carril 1
30	-2	563912,364	4132480,272	575,649	Carril 1
30	0	563911,179	4132478,661	575,649	Eje
30	2	563909,995	4132477,049	575,649	Carril 1
39,613	-2	563920,011	4132474,646	575,285	Carril 1
39,613	0	563918,925	4132472,967	575,285	Eje
39,613	2	563917,838	4132471,288	575,285	Carril 1
40	-2	563920,328	4132474,442	575,270	Carril 1
40	0	563919,250	4132472,758	575,270	Eje
40	2	563918,172	4132471,073	575,270	Carril 1
45	-2	563924,513	4132471,947	575,081	Carril 1
45	0	563923,544	4132470,198	575,081	Eje
45	2	563922,575	4132468,448	575,081	Carril 1
50	-2	563928,848	4132469,722	574,892	Carril 1
50	0	563927,992	4132467,915	574,892	Eje
50	2	563927,135	4132466,107	574,892	Carril 1
55	-2	563933,315	4132467,776	574,702	Carril 1
55	0	563932,575	4132465,918	574,702	Eje
55	2	563931,834	4132464,060	574,702	Carril 1
60	-2	563937,896	4132466,116	574,513	Carril 1
60	0	563937,275	4132464,215	574,513	Eje
60	2	563936,654	4132462,314	574,513	Carril 1
65	-2	563942,573	4132464,750	574,324	Carril 1
65	0	563942,073	4132462,814	574,324	Eje
65	2	563941,574	4132460,877	574,324	Carril 1
70	-2	563947,327	4132463,683	574,134	Carril 1
70	0	563946,951	4132461,718	574,134	Eje
70	2	563946,575	4132459,754	574,134	Carril 1
75	-2	563952,140	4132462,919	573,945	Carril 1
75	0	563951,889	4132460,934	573,945	Eje
75	2	563951,638	4132458,950	573,945	Carril 1
80	-2	563956,990	4132462,460	573,756	Carril 1
80	0	563956,866	4132460,464	573,756	Eje
80	2	563956,741	4132458,468	573,756	Carril 1
85	-2	563961,861	4132462,310	573,567	Carril 1
85	0	563961,862	4132460,310	573,567	Eje
85	2	563961,864	4132458,310	573,567	Carril 1
90	-2	563966,730	4132462,469	573,377	Carril 1
90	0	563966,859	4132460,473	573,377	Eje
90	2	563966,987	4132458,477	573,377	Carril 1
91,344	-2	563967,826	4132462,536	573,326	Carril 1
91,344	0	563968,199	4132460,571	573,326	Eje
91,344	2	563968,573	4132458,606	573,326	Carril 1
95,266	-2	563971,601	4132463,252	573,178	Carril 1
95,266	0	563972,052	4132461,303	573,178	Eje

95,266	2	563972,503	4132459,355	573,178	Carril 1
98,819	-2	563974,871	4132464,147	573,044	Carril 1
98,819	0	563975,479	4132462,241	573,044	Eje
98,819	2	563976,087	4132460,336	573,044	Carril 1
100	-2	563975,901	4132464,525	572,999	Carril 1
100	0	563976,588	4132462,647	572,999	Eje
100	2	563977,275	4132460,769	572,999	Carril 1
102,565	-2	563978,207	4132465,365	572,902	Carril 1
102,565	0	563978,997	4132463,528	572,902	Eje
102,565	2	563979,786	4132461,690	572,902	Carril 1
105,92	-2	563981,055	4132466,782	572,774	Carril 1
105,92	0	563982,002	4132465,021	572,774	Eje
105,92	2	563982,950	4132463,260	572,774	Carril 1
109,314	-2	563983,836	4132468,394	572,646	Carril 1
109,314	0	563984,937	4132466,725	572,646	Eje
109,314	2	563986,038	4132465,055	572,646	Carril 1
110	-2	563984,292	4132468,739	572,620	Carril 1
110	0	563985,487	4132467,135	572,620	Eje
110	2	563986,682	4132465,531	572,620	Carril 1
112,691	-2	563986,378	4132470,290	572,518	Carril 1
112,691	0	563987,645	4132468,742	572,518	Eje
112,691	2	563988,912	4132467,194	572,518	Carril 1
119,943	-2	563991,541	4132474,908	572,244	Carril 1
119,943	0	563993,042	4132473,586	572,244	Eje
119,943	2	563994,543	4132472,265	572,244	Carril 1
120	-2	563991,578	4132474,950	572,242	Carril 1
120	0	563993,080	4132473,629	572,242	Eje
120	2	563994,581	4132472,308	572,242	Carril 1
125	-2	563994,734	4132478,709	572,052	Carril 1
125	0	563996,295	4132477,458	572,052	Eje
125	2	563997,856	4132476,207	572,052	Carril 1
130	-2	563997,715	4132482,608	571,863	Carril 1
130	0	563999,331	4132481,430	571,863	Eje
130	2	564000,948	4132480,252	571,863	Carril 1
135	-2	564000,514	4132486,639	571,674	Carril 1
135	0	564002,182	4132485,537	571,674	Eje
135	2	564003,851	4132484,434	571,674	Carril 1
140	-2	564003,125	4132490,795	571,484	Carril 1
140	0	564004,842	4132489,770	571,484	Eje
140	2	564006,560	4132488,745	571,484	Carril 1
145	-2	564005,542	4132495,066	571,295	Carril 1
145	0	564007,305	4132494,121	571,295	Eje
145	2	564009,068	4132493,176	571,295	Carril 1
150	-2	564007,762	4132499,443	571,106	Carril 1
150	0	564009,566	4132498,580	571,106	Eje
150	2	564011,370	4132497,717	571,106	Carril 1
153,828	-2	564009,324	4132502,861	570,961	Carril 1
153,828	0	564011,157	4132502,062	570,961	Eje
153,828	2	564012,990	4132501,262	570,961	Carril 1
155	-2	564009,778	4132503,918	570,941	Carril 1
155	0	564011,620	4132503,138	570,941	Eje
155	2	564013,461	4132502,359	570,941	Carril 1
160	-2	564011,587	4132508,480	570,855	Carril 1
160	0	564013,462	4132507,786	570,855	Eje
160	2	564015,338	4132507,092	570,855	Carril 1
165	-2	564013,184	4132513,121	570,770	Carril 1
165	0	564015,090	4132512,513	570,770	Eje
165	2	564016,995	4132511,906	570,770	Carril 1
170	-2	564014,568	4132517,830	570,685	Carril 1
170	0	564016,499	4132517,310	570,685	Eje

170	2	564018,430	4132516,791	570,685	Carril 1
175	-2	564015,734	4132522,597	570,599	Carril 1
175	0	564017,687	4132522,167	570,599	Eje
175	2	564019,640	4132521,736	570,599	Carril 1
180	-2	564016,680	4132527,413	570,514	Carril 1
180	0	564018,650	4132527,072	570,514	Eje
180	2	564020,621	4132526,732	570,514	Carril 1
184,06	-2	564017,269	4132531,170	570,444	Carril 1
184,06	0	564019,267	4132531,085	570,444	Eje
184,06	2	564021,265	4132531,000	570,444	Carril 1
190	-2	564017,521	4132537,104	570,343	Carril 1
190	0	564019,519	4132537,020	570,343	Eje
190	2	564021,517	4132536,935	570,343	Carril 1
200	-2	564017,945	4132547,095	570,172	Carril 1
200	0	564019,943	4132547,011	570,172	Eje
200	2	564021,941	4132546,926	570,172	Carril 1
210	-2	564018,369	4132557,086	570,001	Carril 1
210	0	564020,367	4132557,002	570,001	Eje
210	2	564022,365	4132556,917	570,001	Carril 1
220	-2	564018,793	4132567,077	569,830	Carril 1
220	0	564020,791	4132566,993	569,830	Eje
220	2	564022,789	4132566,908	569,830	Carril 1
222,51	-2	564018,899	4132569,585	569,788	Carril 1
222,51	0	564020,898	4132569,500	569,788	Eje
222,51	2	564022,896	4132569,415	569,788	Carril 1
230	-2	564019,217	4132577,068	568,720	Carril 1
230	0	564021,215	4132576,984	568,720	Eje
230	2	564023,213	4132576,899	568,720	Carril 1
240	-2	564019,641	4132587,060	567,294	Carril 1
240	0	564021,639	4132586,975	567,294	Eje
240	2	564023,638	4132586,890	567,294	Carril 1
250	-2	564020,065	4132597,051	565,869	Carril 1
250	0	564022,063	4132596,966	565,869	Eje
250	2	564024,062	4132596,881	565,869	Carril 1
260	-2	564020,489	4132607,042	564,443	Carril 1
260	0	564022,488	4132606,957	564,443	Eje
260	2	564024,486	4132606,872	564,443	Carril 1
270	-2	564020,913	4132617,033	563,018	Carril 1
270	0	564022,912	4132616,948	563,018	Eje
270	2	564024,910	4132616,863	563,018	Carril 1
280	-2	564021,338	4132627,024	561,592	Carril 1
280	0	564023,336	4132626,939	561,592	Eje
280	2	564025,334	4132626,854	561,592	Carril 1
290	-2	564021,762	4132637,015	560,166	Carril 1
290	0	564023,760	4132636,930	560,166	Eje
290	2	564025,758	4132636,845	560,166	Carril 1
300	-2	564022,186	4132647,006	558,741	Carril 1
300	0	564024,184	4132646,921	558,741	Eje
300	2	564026,182	4132646,836	558,741	Carril 1
310	-2	564022,610	4132656,997	557,315	Carril 1
310	0	564024,608	4132656,912	557,315	Eje
310	2	564026,606	4132656,827	557,315	Carril 1
314,479	-2	564022,800	4132661,466	556,677	Carril 1
314,479	0	564024,798	4132661,386	556,677	Eje
314,479	2	564026,797	4132661,306	556,677	Carril 1
320	-2	564023,007	4132666,979	555,890	Carril 1
320	0	564025,006	4132666,904	555,890	Eje
320	2	564027,004	4132666,829	555,890	Carril 1
330	-2	564023,383	4132676,972	554,464	Carril 1
330	0	564025,382	4132676,897	554,464	Eje

330	2	564027,380	4132676,822	554,464	Carril 1
331,076	-2	564023,423	4132678,047	554,311	Carril 1
331,076	0	564025,422	4132677,972	554,311	Eje
331,076	2	564027,421	4132677,897	554,311	Carril 1
340	-2	564023,759	4132686,965	554,391	Carril 1
340	0	564025,757	4132686,890	554,391	Eje
340	2	564027,756	4132686,814	554,391	Carril 1
350	-2	564024,135	4132696,958	554,480	Carril 1
350	0	564026,133	4132696,883	554,480	Eje
350	2	564028,132	4132696,807	554,480	Carril 1
360	-2	564024,511	4132706,951	554,569	Carril 1
360	0	564026,509	4132706,875	554,569	Eje
360	2	564028,508	4132706,800	554,569	Carril 1
370	-2	564024,886	4132716,944	554,658	Carril 1
370	0	564026,885	4132716,868	554,658	Eje
370	2	564028,884	4132716,793	554,658	Carril 1
374,634	-2	564025,061	4132721,575	554,700	Carril 1
374,634	0	564027,059	4132721,499	554,700	Eje
374,634	2	564029,058	4132721,424	554,700	Carril 1
380	-2	564025,262	4132726,937	557,126	Carril 1
380	0	564027,261	4132726,861	557,126	Eje
380	2	564029,259	4132726,786	557,126	Carril 1
390	-2	564025,638	4132736,929	561,649	Carril 1
390	0	564027,637	4132736,854	561,649	Eje
390	2	564029,635	4132736,779	561,649	Carril 1
391,083	-2	564025,679	4132738,012	562,139	Carril 1
391,083	0	564027,677	4132737,937	562,139	Eje
391,083	2	564029,676	4132737,862	562,139	Carril 1
395	-2	564026,208	4132742,238	563,910	Carril 1
395	0	564028,164	4132741,818	563,910	Eje
395	2	564030,119	4132741,398	563,910	Carril 1
395,392	-2	564026,302	4132742,655	564,087	Carril 1
395,392	0	564028,249	4132742,201	564,087	Eje
395,392	2	564030,197	4132741,747	564,087	Carril 1
400	-2	564027,932	4132747,391	564,447	Carril 1
400	0	564029,746	4132746,550	564,447	Eje
400	2	564031,561	4132745,709	564,447	Carril 1
405	-2	564030,748	4132752,037	564,837	Carril 1
405	0	564032,333	4132750,817	564,837	Eje
405	2	564033,918	4132749,597	564,837	Carril 1
409,96	-2	564034,487	4132755,921	565,225	Carril 1
409,96	0	564035,766	4132754,384	565,225	Eje
409,96	2	564037,046	4132752,847	565,225	Carril 1
410	-2	564034,517	4132755,946	565,228	Carril 1
410	0	564035,797	4132754,409	565,228	Eje
410	2	564037,076	4132752,872	565,228	Carril 1
411,039	-2	564035,316	4132756,611	565,309	Carril 1
411,039	0	564036,595	4132755,074	565,309	Eje
411,039	2	564037,875	4132753,537	565,309	Carril 1
420	-2	564042,203	4132762,344	563,420	Carril 1
420	0	564043,482	4132760,807	563,420	Eje
420	2	564044,762	4132759,270	563,420	Carril 1
430	-2	564049,888	4132768,742	561,312	Carril 1
430	0	564051,168	4132767,205	561,312	Eje
430	2	564052,447	4132765,668	561,312	Carril 1
432,621	-2	564051,903	4132770,419	560,760	Carril 1
432,621	0	564053,182	4132768,882	560,760	Eje
432,621	2	564054,462	4132767,345	560,760	Carril 1
440	-2	564057,574	4132775,140	558,242	Carril 1
440	0	564058,853	4132773,603	558,242	Eje

440	2	564060,133	4132772,065	558,242	Carril 1
450	-2	564065,259	4132781,538	554,830	Carril 1
450	0	564066,539	4132780,000	554,830	Eje
450	2	564067,818	4132778,463	554,830	Carril 1
460	-2	564072,945	4132787,935	551,418	Carril 1
460	0	564074,224	4132786,398	551,418	Eje
460	2	564075,504	4132784,861	551,418	Carril 1
470	-2	564080,630	4132794,333	548,006	Carril 1
470	0	564081,910	4132792,796	548,006	Eje
470	2	564083,189	4132791,259	548,006	Carril 1
480	-2	564088,316	4132800,731	544,594	Carril 1
480	0	564089,595	4132799,194	544,594	Eje
480	2	564090,875	4132797,657	544,594	Carril 1
486,957	-2	564093,663	4132805,182	542,220	Carril 1
486,957	0	564094,942	4132803,645	542,220	Eje
486,957	2	564096,222	4132802,108	542,220	Carril 1
490	-2	564095,880	4132807,121	541,182	Carril 1
490	0	564097,233	4132805,648	541,182	Eje
490	2	564098,586	4132804,175	541,182	Carril 1
495	-2	564099,310	4132810,534	539,476	Carril 1
495	0	564100,776	4132809,174	539,476	Eje
495	2	564102,242	4132807,814	539,476	Carril 1
495,889	-2	564099,891	4132811,169	539,173	Carril 1
495,889	0	564101,376	4132809,830	539,173	Eje
495,889	2	564102,861	4132808,491	539,173	Carril 1
500	-2	564102,456	4132814,210	538,622	Carril 1
500	0	564104,026	4132812,971	538,622	Eje
500	2	564105,597	4132811,733	538,622	Carril 1
505	-2	564105,298	4132818,126	537,952	Carril 1
505	0	564106,963	4132817,017	537,952	Eje
505	2	564108,627	4132815,908	537,952	Carril 1
510	-2	564107,819	4132822,256	537,282	Carril 1
510	0	564109,566	4132821,284	537,282	Eje
510	2	564111,314	4132820,311	537,282	Carril 1
511,186	-2	564108,368	4132823,265	537,123	Carril 1
511,186	0	564110,133	4132822,325	537,123	Eje
511,186	2	564111,899	4132821,386	537,123	Carril 1
520	-2	564112,507	4132831,046	535,941	Carril 1
520	0	564114,273	4132830,107	535,941	Eje
520	2	564116,039	4132829,167	535,941	Carril 1
530	-2	564117,204	4132839,875	534,601	Carril 1
530	0	564118,970	4132838,935	534,601	Eje
530	2	564120,735	4132837,996	534,601	Carril 1
540	-2	564121,901	4132848,703	533,260	Carril 1
540	0	564123,666	4132847,764	533,260	Eje
540	2	564125,432	4132846,824	533,260	Carril 1
550	-2	564126,597	4132857,531	531,920	Carril 1
550	0	564128,363	4132856,592	531,920	Eje
550	2	564130,129	4132855,653	531,920	Carril 1
560	-2	564131,294	4132866,360	530,579	Carril 1
560	0	564133,060	4132865,420	530,579	Eje
560	2	564134,826	4132864,481	530,579	Carril 1
570	-2	564135,991	4132875,188	529,239	Carril 1
570	0	564137,757	4132874,249	529,239	Eje
570	2	564139,522	4132873,310	529,239	Carril 1
580	-2	564140,688	4132884,017	527,899	Carril 1
580	0	564142,453	4132883,077	527,899	Eje
580	2	564144,219	4132882,138	527,899	Carril 1
590	-2	564145,384	4132892,845	526,558	Carril 1
590	0	564147,150	4132891,906	526,558	Eje

590	2	564148,916	4132890,966	526,558	Carril 1
600	-2	564150,081	4132901,673	525,218	Carril 1
600	0	564151,847	4132900,734	525,218	Eje
600	2	564153,612	4132899,795	525,218	Carril 1
610	-2	564154,778	4132910,502	523,877	Carril 1
610	0	564156,543	4132909,563	523,877	Eje
610	2	564158,309	4132908,623	523,877	Carril 1
620	-2	564159,474	4132919,330	522,537	Carril 1
620	0	564161,240	4132918,391	522,537	Eje
620	2	564163,006	4132917,452	522,537	Carril 1
630	-2	564164,171	4132928,159	521,196	Carril 1
630	0	564165,937	4132927,219	521,196	Eje
630	2	564167,703	4132926,280	521,196	Carril 1
640	-2	564168,868	4132936,987	519,856	Carril 1
640	0	564170,634	4132936,048	519,856	Eje
640	2	564172,399	4132935,108	519,856	Carril 1
641,731	-2	564169,681	4132938,515	519,624	Carril 1
641,731	0	564171,447	4132937,576	519,624	Eje
641,731	2	564173,212	4132936,637	519,624	Carril 1
650	-2	564173,565	4132945,816	518,340	Carril 1
650	0	564175,330	4132944,876	518,340	Eje
650	2	564177,096	4132943,937	518,340	Carril 1
655,022	-2	564175,923	4132950,249	517,561	Carril 1
655,022	0	564177,689	4132949,309	517,561	Eje
655,022	2	564179,454	4132948,370	517,561	Carril 1
660	-2	564178,536	4132954,687	516,788	Carril 1
660	0	564180,214	4132953,598	516,788	Eje
660	2	564181,892	4132952,509	516,788	Carril 1
663,446	-2	564180,566	4132957,618	516,253	Carril 1
663,446	0	564182,175	4132956,431	516,253	Eje
663,446	2	564183,785	4132955,244	516,253	Carril 1
665	-2	564181,537	4132958,899	515,891	Carril 1
665	0	564183,114	4132957,669	515,891	Eje
665	2	564184,691	4132956,439	515,891	Carril 1
667,767	-2	564183,352	4132961,113	515,246	Carril 1
667,767	0	564184,868	4132959,809	515,246	Eje
667,767	2	564186,384	4132958,504	515,246	Carril 1
670	-2	564184,809	4132962,806	514,724	Carril 1
670	0	564186,324	4132961,502	514,724	Eje
670	2	564187,840	4132960,197	514,724	Carril 1
680	-2	564191,331	4132970,386	512,391	Carril 1
680	0	564192,847	4132969,081	512,391	Eje
680	2	564194,363	4132967,777	512,391	Carril 1
690	-2	564197,854	4132977,966	510,059	Carril 1
690	0	564199,370	4132976,661	510,059	Eje
690	2	564200,886	4132975,357	510,059	Carril 1
700	-2	564204,377	4132985,546	507,726	Carril 1
700	0	564205,893	4132984,241	507,726	Eje
700	2	564207,409	4132982,937	507,726	Carril 1
703,269	-2	564206,509	4132988,024	506,963	Carril 1
703,269	0	564208,025	4132986,719	506,963	Eje
703,269	2	564209,541	4132985,415	506,963	Carril 1
708,892	-2	564210,177	4132992,286	506,544	Carril 1
708,892	0	564211,693	4132990,981	506,544	Eje
708,892	2	564213,209	4132989,677	506,544	Carril 1
710	-2	564210,869	4132993,105	506,462	Carril 1
710	0	564212,408	4132991,827	506,462	Eje
710	2	564213,947	4132990,550	506,462	Carril 1
715	-2	564213,808	4132996,949	506,089	Carril 1
715	0	564215,444	4132995,798	506,089	Eje

715	2	564217,080	4132994,648	506,089	Carril 1
720	-2	564216,431	4133001,015	505,717	Carril 1
720	0	564218,154	4132999,999	505,717	Eje
720	2	564219,876	4132998,983	505,717	Carril 1
722,995	-2	564217,844	4133003,547	505,494	Carril 1
722,995	0	564219,613	4133002,615	505,494	Eje
722,995	2	564221,382	4133001,682	505,494	Carril 1
725	-2	564218,720	4133005,278	505,549	Carril 1
725	0	564220,519	4133004,403	505,549	Eje
725	2	564222,317	4133003,528	505,549	Carril 1
730	-2	564220,662	4133009,710	505,687	Carril 1
730	0	564222,524	4133008,981	505,687	Eje
730	2	564224,387	4133008,253	505,687	Carril 1
735	-2	564222,243	4133014,283	505,824	Carril 1
735	0	564224,158	4133013,706	505,824	Eje
735	2	564226,072	4133013,128	505,824	Carril 1
740	-2	564223,453	4133018,968	505,962	Carril 1
740	0	564225,408	4133018,545	505,962	Eje
740	2	564227,363	4133018,123	505,962	Carril 1
745	-2	564224,285	4133023,734	506,100	Carril 1
745	0	564226,268	4133023,470	506,100	Eje
745	2	564228,250	4133023,205	506,100	Carril 1
750	-2	564224,734	4133028,552	506,237	Carril 1
750	0	564226,731	4133028,447	506,237	Eje
750	2	564228,728	4133028,341	506,237	Carril 1
755	-2	564224,796	4133033,391	506,375	Carril 1
755	0	564226,795	4133033,445	506,375	Eje
755	2	564228,795	4133033,499	506,375	Carril 1
759,612	-2	564224,510	4133037,845	506,501	Carril 1
759,612	0	564226,500	4133038,047	506,501	Eje
759,612	2	564228,490	4133038,248	506,501	Carril 1
760	-2	564224,471	4133038,231	506,512	Carril 1
760	0	564226,461	4133038,432	506,512	Eje
760	2	564228,451	4133038,634	506,512	Carril 1
770	-2	564223,464	4133048,180	506,788	Carril 1
770	0	564225,453	4133048,382	506,788	Eje
770	2	564227,443	4133048,583	506,788	Carril 1
774,656	-2	564222,994	4133052,812	506,916	Carril 1
774,656	0	564224,984	4133053,014	506,916	Eje
774,656	2	564226,974	4133053,215	506,916	Carril 1
780	-2	564222,456	4133058,129	506,836	Carril 1
780	0	564224,446	4133058,331	506,836	Eje
780	2	564226,436	4133058,532	506,836	Carril 1
790	-2	564221,448	4133068,078	506,685	Carril 1
790	0	564223,438	4133068,280	506,685	Eje
790	2	564225,428	4133068,481	506,685	Carril 1
800	-2	564220,440	4133078,027	506,535	Carril 1
800	0	564222,430	4133078,229	506,535	Eje
800	2	564224,420	4133078,430	506,535	Carril 1
810	-2	564219,433	4133087,976	506,385	Carril 1
810	0	564221,422	4133088,178	506,385	Eje
810	2	564223,412	4133088,379	506,385	Carril 1
820	-2	564218,425	4133097,925	506,235	Carril 1
820	0	564220,415	4133098,127	506,235	Eje
820	2	564222,404	4133098,329	506,235	Carril 1
820,112	-2	564218,414	4133098,037	506,233	Carril 1
820,112	0	564220,403	4133098,238	506,233	Eje
820,112	2	564222,393	4133098,440	506,233	Carril 1
830	-2	564217,417	4133107,875	507,526	Carril 1
830	0	564219,407	4133108,076	507,526	Eje
830	2	564221,397	4133108,278	507,526	Carril 1
832,179	-2	564217,197	4133110,042	507,812	Carril 1
832,179	0	564219,187	4133110,244	507,812	Eje
832,179	2	564221,177	4133110,446	507,812	Carril 1
832,181	-2	564217,197	4133110,044	507,812	Carril 1
832,181	0	564219,187	4133110,246	507,812	Eje
832,181	2	564221,177	4133110,448	507,812	Carril 1
832,181	-2	564217,197	4133110,044	507,812	Carril 1
832,181	0	564219,187	4133110,246	507,812	Eje
832,181	2	564221,177	4133110,448	507,812	Carril 1
832,351	-2	564217,180	4133110,213	507,834	Carril 1
832,351	0	564219,170	4133110,415	507,834	Eje
832,351	2	564221,160	4133110,616	507,834	Carril 1

LISTADO DE REPLANTEO TALUDES

P.K.	RET	Coord. X	Coord. Y	Coord. Z	Código
0	-2,792	563888,662	4132498,680	576,977	CPT
0,002	-2,792	563888,663	4132498,679	576,977	CPT
10	-2,967	563896,823	4132492,898	576,863	CPT
20	-3,239	563905,041	4132487,194	576,897	CPT
20	2,789	563901,470	4132482,337	576,216	CPT
30	-3,394	563913,190	4132481,395	576,753	CPT
30	2,877	563909,475	4132476,343	575,970	CPT
39,613	-3,38	563920,760	4132475,805	576,367	CPT
39,613	2,927	563917,335	4132470,509	575,682	CPT
40	-3,384	563921,074	4132475,608	576,359	CPT
40	2,929	563917,671	4132470,290	575,670	CPT
45	-3,78	563925,376	4132473,504	576,770	CPT
45	2,944	563922,117	4132467,622	575,504	CPT
50	-3,56	563929,516	4132471,132	576,248	CPT
50	2,931	563926,736	4132465,266	575,295	CPT
55	-3,964	563934,042	4132469,600	576,671	CPT
55	2,77	563931,549	4132463,345	574,862	CPT
60	-4,69	563938,732	4132468,673	577,581	CPT
60	2,796	563936,406	4132461,558	574,711	CPT
65	-5,774	563943,516	4132468,404	579,035	CPT
65	2,995	563941,325	4132459,914	574,823	CPT
70	-6,575	563948,188	4132468,176	580,058	CPT
70	2,956	563946,395	4132458,815	574,575	CPT
75	-6,079	563952,651	4132466,965	579,118	CPT
75	2,742	563951,544	4132458,214	574,061	CPT
80	-5,557	563957,212	4132466,011	578,137	CPT
85	-4,433	563961,858	4132464,743	576,245	CPT
85	3,051	563961,865	4132457,259	572,949	CPT
90	-3,699	563966,621	4132464,164	574,944	CPT
90	2,55	563967,023	4132457,928	573,094	CPT
91,344	-3,79	563967,492	4132464,295	575,032	CPT
91,344	2,611	563968,687	4132458,006	573,165	CPT
95,266	-4,105	563971,126	4132465,303	575,361	CPT
95,266	2,801	563972,684	4132458,575	573,384	CPT
98,819	-4,992	563973,962	4132466,997	576,570	CPT
98,819	3,129	563976,430	4132459,261	573,747	CPT
100	-5,287	563974,772	4132467,612	576,972	CPT
100	3,238	563977,701	4132459,606	573,868	CPT
102,565	-6,114	563976,583	4132469,145	578,128	CPT
102,565	3,716	563980,464	4132460,114	574,495	CPT
105,92	-7,145	563978,617	4132471,313	579,561	CPT
105,92	4,499	563984,133	4132461,059	575,553	CPT
109,314	-8,047	563980,506	4132473,442	580,801	CPT
109,314	5,71	563988,081	4132461,959	577,260	CPT
110	-8,23	563980,571	4132473,735	581,052	CPT
110	5,955	563989,045	4132462,359	577,605	CPT

112,691	-8,334	563982,367	4132475,192	581,108	CPT
112,691	6,552	563991,795	4132463,672	578,408	CPT
119,943	-8,508	563986,657	4132479,209	581,096	CPT
119,943	5,665	563997,293	4132469,842	576,790	CPT
120	-8,509	563986,691	4132479,250	581,095	CPT
120	5,649	563997,321	4132469,898	576,763	CPT
125	-8,466	563989,689	4132482,752	580,841	CPT
125	4,506	563999,811	4132474,640	574,841	CPT
130	-7,836	563992,999	4132486,045	579,698	CPT
130	3,628	564002,263	4132479,293	573,321	CPT
135	-5,834	563997,315	4132488,753	576,475	CPT
135	2,628	564004,375	4132484,088	571,618	CPT
140	-3,606	564001,746	4132491,618	572,910	CPT
140	2,543	564007,026	4132488,467	571,206	CPT
145	-2,871	564004,775	4132495,478	571,607	CPT
145	2,687	564009,673	4132492,851	570,920	CPT
153,828	-2,786	564008,603	4132503,175	571,144	CPT
155	-2,843	564009,001	4132504,247	571,210	CPT
160	-2,98	564010,668	4132508,821	571,333	CPT
160	2,773	564016,063	4132506,823	571,019	CPT
165	-3,166	564012,073	4132513,475	571,530	CPT
165	2,91	564017,862	4132511,629	571,141	CPT
170	-3,347	564013,267	4132518,180	571,718	CPT
170	3,039	564019,434	4132516,521	571,252	CPT
175	-3,483	564014,285	4132522,916	571,839	CPT
175	3,254	564020,864	4132521,466	571,492	CPT
180	-3,616	564015,087	4132527,688	571,954	CPT
180	3,387	564021,988	4132526,496	571,608	CPT
184,06	-3,7	564015,570	4132531,242	572,014	CPT
184,06	3,473	564022,737	4132530,938	571,670	CPT
190	-4,014	564015,508	4132537,190	572,386	CPT
190	3,537	564023,053	4132536,870	571,664	CPT
200	-4,257	564015,690	4132547,191	572,585	CPT
200	5,784	564025,722	4132546,765	567,733	CPT
210	-4,187	564016,184	4132557,179	572,307	CPT
210	6,753	564027,114	4132556,715	566,916	CPT
220	-4,417	564016,378	4132567,180	572,484	CPT
220	10,337	564031,119	4132566,554	564,356	CPT
222,51	-4,218	564016,684	4132569,679	572,139	CPT
222,51	12,277	564033,164	4132568,979	563,019	CPT
230	-3,382	564017,836	4132577,127	569,806	CPT
230	16,965	564038,165	4132576,264	558,826	CPT
240	-4,814	564016,830	4132587,179	570,550	CPT
250	-5,078	564016,990	4132597,181	569,524	CPT
260	-6,767	564015,727	4132607,244	570,658	CPT
260	2,905	564025,390	4132606,833	564,807	CPT
270	-5,294	564017,622	4132617,172	567,001	CPT
270	3,092	564026,001	4132616,817	563,664	CPT
280	-5,057	564018,283	4132627,153	565,216	CPT
280	3,041	564026,374	4132626,810	562,162	CPT

290	-4,029	564019,735	4132637,101	562,234	CPT
290	6,396	564030,150	4132636,658	557,319	CPT
300	-3,101	564021,086	4132647,052	559,402	CPT
300	10,364	564034,539	4132646,481	553,248	CPT
310	-4,983	564019,630	4132657,123	560,828	CPT
310	4,911	564029,515	4132656,703	555,458	CPT
314,479	-5,457	564019,346	4132661,605	560,907	CPT
314,479	3,702	564028,497	4132661,238	555,626	CPT
320	-4,714	564020,295	4132667,081	558,994	CPT
320	7,592	564032,592	4132666,618	552,245	CPT
330	-2,825	564022,559	4132677,003	553,998	CPT
330	10,824	564036,198	4132676,490	548,665	CPT
331,076	-2,808	564022,616	4132678,077	553,856	CPT
331,076	10,208	564035,623	4132677,588	548,922	CPT
340	-3,327	564022,433	4132687,015	555,393	CPT
340	5,888	564031,641	4132686,668	551,882	CPT
350	-2,809	564023,326	4132696,988	554,024	CPT
350	6,568	564032,697	4132696,636	551,518	CPT
360	-2,736	564023,775	4132706,978	554,162	CPT
360	9,324	564035,827	4132706,525	549,769	CPT
370	-3,362	564023,525	4132716,995	555,714	CPT
370	6,852	564033,732	4132716,611	551,507	CPT
374,634	-4,23	564022,833	4132721,658	557,071	CPT
374,634	2,921	564029,978	4132721,390	554,393	CPT
380	-3,735	564023,528	4132727,002	558,747	CPT
380	3,198	564030,457	4132726,741	556,411	CPT
390	-4,965	564022,675	4132737,041	565,133	CPT
390	4,206	564031,840	4132736,696	560,262	CPT
391,083	-4,892	564022,789	4132738,121	565,513	CPT
391,083	5,991	564033,664	4132737,712	559,562	CPT
395	-4,605	564023,661	4132742,786	566,850	CPT
395	11,79	564039,691	4132739,341	557,467	CPT
395,392	-4,613	564023,757	4132743,249	567,040	CPT
395,392	10,353	564038,331	4132739,850	558,647	CPT
400	-4,722	564025,462	4132748,535	567,563	CPT
400	2,585	564032,092	4132745,464	564,326	CPT
405	-4,173	564029,027	4132753,363	567,122	CPT
405	2,624	564034,412	4132749,216	564,505	CPT
409,96	-3,276	564033,671	4132756,901	566,151	CPT
409,96	12,645	564043,856	4132744,665	558,212	CPT
410	-3,268	564033,706	4132756,921	566,142	CPT
410	12,76	564043,960	4132744,602	558,138	CPT
411,039	-3,263	564034,508	4132757,581	566,215	CPT
411,039	13,072	564044,959	4132745,027	558,011	CPT
420	-3,151	564041,466	4132763,229	564,157	CPT
420	14,363	564052,672	4132749,768	555,261	CPT
430	-3,198	564049,122	4132769,663	562,120	CPT
430	3,079	564053,138	4132764,838	560,676	CPT
432,621	-3,14	564051,173	4132771,295	561,480	CPT
432,621	2,9	564055,038	4132766,653	560,243	CPT

440	-3,033	564056,913	4132775,934	558,800	CPT
440	2,642	564060,544	4132771,572	557,897	CPT
450	-2,978	564064,634	4132782,289	555,305	CPT
450	2,915	564068,404	4132777,760	554,304	CPT
460	-3,014	564072,296	4132788,715	551,947	CPT
460	2,544	564075,852	4132784,443	551,235	CPT
470	-2,739	564080,158	4132794,901	548,119	CPT
470	2,764	564083,678	4132790,672	548,157	CPT
480	-2,738	564087,844	4132801,298	544,704	CPT
480	2,856	564091,423	4132796,999	544,884	CPT
486,957	-2,698	564093,216	4132805,718	541,839	CPT
486,957	2,651	564096,638	4132801,608	541,956	CPT
495	-2,809	564098,717	4132811,084	539,695	CPT
495,889	-2,808	564099,290	4132811,710	539,390	CPT
500	-2,746	564101,870	4132814,672	538,745	CPT
500	3,136	564106,488	4132811,029	537,948	CPT
505	-2,572	564104,823	4132818,443	537,654	CPT
505	3,825	564110,146	4132814,895	536,819	CPT
510	-2,727	564107,184	4132822,610	536,881	CPT
510	4,236	564113,268	4132819,224	535,874	CPT
511,186	-2,712	564107,739	4132823,599	536,732	CPT
511,186	4,204	564113,844	4132820,351	535,736	CPT
520	-2,584	564111,992	4132831,320	535,635	CPT
520	3,851	564117,673	4132828,298	534,791	CPT
540	-2,717	564121,268	4132849,040	533,340	CPT
540	2,853	564126,185	4132846,424	532,775	CPT
550	-2,691	564125,987	4132857,856	531,960	CPT
550	2,806	564130,840	4132855,274	531,466	CPT
580	-2,664	564140,101	4132884,329	527,539	CPT
580	3,222	564145,298	4132881,564	527,168	CPT
590	-2,952	564144,544	4132893,292	526,007	CPT
590	3,287	564150,052	4132890,362	525,783	CPT
600	-3,866	564148,434	4132902,550	524,057	CPT
600	3,387	564154,837	4132899,143	524,376	CPT
610	-3,773	564153,212	4132911,335	522,779	CPT
610	3,225	564159,391	4132908,048	523,144	CPT
620	-2,953	564158,633	4132919,778	521,985	CPT
620	2,881	564163,784	4132917,038	522,033	CPT
640	-2,717	564168,235	4132937,324	519,934	CPT
641,731	-2,733	564169,033	4132938,860	519,727	CPT
650	-2,786	564172,871	4132946,185	518,524	CPT
650	2,714	564177,726	4132943,602	518,415	CPT
655,022	-2,733	564175,276	4132950,593	517,664	CPT
655,022	2,754	564180,120	4132948,016	517,696	CPT
660	-2,79	564177,874	4132955,116	516,977	CPT
660	2,767	564182,535	4132952,092	516,943	CPT
665	-2,641	564181,032	4132959,293	515,855	CPT
665	2,863	564185,372	4132955,908	516,190	CPT
667,767	-2,56	564182,927	4132961,479	514,955	CPT
667,767	2,943	564187,099	4132957,889	515,666	CPT

670	-2,838	564184,173	4132963,353	514,249	CPT
670	2,844	564188,480	4132959,647	514,995	CPT
680	-3,439	564190,240	4132971,325	511,515	CPT
680	2,808	564194,976	4132967,250	511,936	CPT
708,892	-2,891	564209,501	4132992,867	506,888	CPT
708,892	2,747	564213,774	4132989,190	506,667	CPT
710	-2,932	564210,152	4132993,700	506,867	CPT
710	2,731	564214,509	4132990,083	506,561	CPT
715	-2,967	564213,017	4132997,505	506,548	CPT
715	2,801	564217,736	4132994,187	506,296	CPT
720	-2,818	564215,726	4133001,430	505,255	CPT
730	-2,942	564219,784	4133010,053	506,106	CPT
730	2,571	564224,919	4133008,045	505,389	CPT
735	-2,861	564221,418	4133014,532	506,122	CPT
745	-2,674	564223,617	4133023,824	505,733	CPT
745	3,157	564229,397	4133023,051	505,412	CPT
750	-3,16	564223,576	4133028,614	505,547	CPT
750	4,41	564231,135	4133028,214	504,714	CPT
755	-2,897	564223,900	4133033,366	505,860	CPT
755	4,214	564231,008	4133033,559	504,982	CPT
770	-3,059	564222,410	4133048,073	507,385	CPT
774,656	-3,176	564221,824	4133052,694	507,690	CPT
780	-3,108	564221,354	4133058,017	507,507	CPT
780	2,739	564227,171	4133058,607	506,948	CPT
790	-2,841	564220,611	4133067,993	506,953	CPT
800	-2,842	564219,603	4133077,942	506,804	CPT
800	2,69	564225,106	4133078,500	506,158	CPT
810	-3,024	564218,414	4133087,873	506,929	CPT
810	3,017	564224,424	4133088,482	505,790	CPT
820	-3,842	564216,592	4133097,740	508,019	CPT
820	2,932	564223,332	4133098,422	505,697	CPT
820,112	-3,841	564216,582	4133097,851	508,016	CPT
820,112	2,947	564223,336	4133098,535	505,685	CPT
830	-3,571	564215,854	4133107,716	508,900	CPT
830	5,079	564224,460	4133108,588	505,557	CPT
832,179	-3,467	564215,738	4133109,895	509,026	CPT
832,179	6,306	564225,461	4133110,879	505,024	CPT
832,181	-3,467	564215,738	4133109,897	509,026	CPT
832,181	5,943	564225,100	4133110,845	505,183	CPT
832,181	-3,467	564215,738	4133109,897	509,026	CPT
832,181	5,943	564225,100	4133110,845	505,183	CPT
832,351	-3,467	564215,720	4133110,065	509,048	CPT

LISTADO DE REPLANTEO CUNETAS

P.K.	RET	Coord. X	Coord. Y	Coord. Z	Código
0	-2,5	563888,489	4132498,445	576,535	Cun
0	2,285	563885,655	4132494,589	576,642	Cun
0,002	-2,5	563888,491	4132498,443	576,534	Cun
0,002	2,285	563885,656	4132494,588	576,642	Cun
10	-2,5	563896,546	4132492,521	576,156	Cun
10	2,013	563893,873	4132488,885	576,399	Cun
20	-2,5	563904,603	4132486,598	575,777	Cun
20	2,5	563901,641	4132482,570	575,777	Cun
30	-2,5	563912,660	4132480,675	575,399	Cun
30	2,5	563909,699	4132476,647	575,399	Cun
39,613	-2,5	563920,283	4132475,066	575,035	Cun
39,613	2,5	563917,567	4132470,868	575,035	Cun
40	-2,5	563920,598	4132474,863	575,020	Cun
40	2,5	563917,903	4132470,652	575,020	Cun
45	-2,5	563924,756	4132472,384	574,831	Cun
45	2,5	563922,333	4132468,011	574,831	Cun
50	-2,5	563929,062	4132470,174	574,642	Cun
50	2,5	563926,921	4132465,656	574,642	Cun
55	-2,5	563933,500	4132468,240	574,452	Cun
55	2,5	563931,649	4132463,595	574,452	Cun
60	-2,5	563938,051	4132466,592	574,263	Cun
60	2,5	563936,498	4132461,839	574,263	Cun
65	-2,5	563942,698	4132465,234	574,074	Cun
65	2,5	563941,449	4132460,393	574,074	Cun
70	-2,5	563947,421	4132464,174	573,884	Cun
70	2,5	563946,481	4132459,263	573,884	Cun
75	-2,5	563952,202	4132463,415	573,695	Cun
75	2,5	563951,575	4132458,454	573,695	Cun
80	-2,5	563957,022	4132462,959	573,506	Cun
80	2,418	563956,715	4132458,051	573,547	Cun
85	-2,5	563961,860	4132462,810	573,317	Cun
85	2,5	563961,865	4132457,810	573,317	Cun
90	-2,5	563966,698	4132462,968	573,127	Cun
90	2,5	563967,019	4132457,978	573,127	Cun
91,344	-2,5	563967,733	4132463,027	573,076	Cun
91,344	2,5	563968,666	4132458,115	573,076	Cun
95,266	-2,5	563971,488	4132463,739	572,928	Cun
95,266	2,5	563972,616	4132458,868	572,928	Cun
98,819	-2,5	563974,719	4132464,623	572,794	Cun
98,819	2,5	563976,239	4132459,860	572,794	Cun
100	-2,5	563975,730	4132464,995	572,749	Cun
100	2,5	563977,447	4132460,299	572,749	Cun
102,565	-2,5	563978,010	4132465,825	572,652	Cun
102,565	2,5	563979,984	4132461,231	572,652	Cun
105,92	-2,5	563980,818	4132467,223	572,524	Cun
105,92	2,5	563983,187	4132462,819	572,524	Cun

109,314	-2,5	563983,560	4132468,812	572,396	Cun
109,314	2,5	563986,313	4132464,638	572,396	Cun
110	-2,5	563983,994	4132469,140	572,370	Cun
110	2,5	563986,981	4132465,130	572,370	Cun
112,691	-2,5	563986,062	4132470,677	572,268	Cun
112,691	2,5	563989,228	4132466,808	572,268	Cun
119,943	-2,5	563991,166	4132475,239	571,994	Cun
119,943	2,5	563994,918	4132471,934	571,994	Cun
120	-2,5	563991,203	4132475,281	571,992	Cun
120	2,5	563994,957	4132471,978	571,992	Cun
125	-2,5	563994,344	4132479,021	571,802	Cun
125	2,5	563998,246	4132475,894	571,802	Cun
130	-2,5	563997,311	4132482,902	571,613	Cun
130	2,5	564001,352	4132479,957	571,613	Cun
135	-2,5	564000,097	4132486,915	571,424	Cun
135	2,5	564004,268	4132484,159	571,424	Cun
140	-2,5	564002,695	4132491,051	571,234	Cun
140	2,5	564006,989	4132488,489	571,234	Cun
145	-2,5	564005,102	4132495,302	571,045	Cun
145	2,5	564009,508	4132492,940	571,045	Cun
150	-2,028	564007,736	4132499,455	571,092	Cun
150	2,5	564011,821	4132497,501	570,856	Cun
153,828	-2,5	564008,865	4132503,061	570,711	Cun
153,828	2,237	564013,207	4132501,168	570,843	Cun
155	-2,5	564009,317	4132504,113	570,691	Cun
155	2,088	564013,542	4132502,325	570,897	Cun
160	-2,5	564011,118	4132508,654	570,605	Cun
160	2,5	564015,807	4132506,918	570,605	Cun
165	-2,5	564012,708	4132513,273	570,520	Cun
165	2,5	564017,472	4132511,754	570,520	Cun
170	-2,5	564014,085	4132517,960	570,435	Cun
170	2,5	564018,913	4132516,661	570,435	Cun
175	-2,5	564015,245	4132522,705	570,349	Cun
175	2,5	564020,128	4132521,628	570,349	Cun
180	-2,5	564016,187	4132527,498	570,264	Cun
180	2,5	564021,114	4132526,647	570,264	Cun
184,06	-2,5	564016,769	4132531,191	570,194	Cun
184,06	2,5	564021,765	4132530,979	570,194	Cun
190	-2,5	564017,021	4132537,126	570,093	Cun
190	2,5	564022,016	4132536,914	570,093	Cun
200	-2,5	564017,445	4132547,117	569,922	Cun
200	2,5	564022,441	4132546,905	569,922	Cun
210	-2,5	564017,869	4132557,108	569,751	Cun
210	2,5	564022,865	4132556,896	569,751	Cun
220	-2,5	564018,293	4132567,099	569,580	Cun
220	2,5	564023,289	4132566,887	569,580	Cun
222,51	-2,5	564018,400	4132569,606	569,538	Cun
222,51	2,5	564023,395	4132569,394	569,538	Cun
230	-2,5	564018,717	4132577,090	568,470	Cun
230	2,5	564023,713	4132576,878	568,470	Cun

240	-2,5	564019,142	4132587,081	567,044	Cun
240	2,5	564024,137	4132586,869	567,044	Cun
250	-2,5	564019,566	4132597,072	565,619	Cun
250	2,5	564024,561	4132596,860	565,619	Cun
260	-2,5	564019,990	4132607,063	564,193	Cun
260	2,5	564024,985	4132606,851	564,193	Cun
270	-2,5	564020,414	4132617,054	562,768	Cun
270	2,5	564025,409	4132616,842	562,768	Cun
280	-2,5	564020,838	4132627,045	561,342	Cun
280	2,5	564025,834	4132626,833	561,342	Cun
290	-2,5	564021,262	4132637,036	559,916	Cun
290	2,5	564026,258	4132636,824	559,916	Cun
300	-2,5	564021,686	4132647,027	558,491	Cun
300	2,5	564026,682	4132646,815	558,491	Cun
310	-2,5	564022,110	4132657,018	557,065	Cun
310	2,5	564027,106	4132656,806	557,065	Cun
314,479	-2,5	564022,300	4132661,486	556,427	Cun
314,479	2,5	564027,296	4132661,286	556,427	Cun
320	-2,5	564022,507	4132666,998	555,640	Cun
320	2,5	564027,504	4132666,810	555,640	Cun
330	-2,5	564022,883	4132676,991	554,214	Cun
330	2,5	564027,880	4132676,803	554,214	Cun
331,076	-2,5	564022,924	4132678,066	554,061	Cun
331,076	2,5	564027,920	4132677,878	554,061	Cun
340	-2,5	564023,259	4132686,984	554,141	Cun
340	2,5	564028,256	4132686,796	554,141	Cun
350	-2,5	564023,635	4132696,977	554,230	Cun
350	2,5	564028,631	4132696,789	554,230	Cun
360	-2,5	564024,011	4132706,969	554,319	Cun
360	2,5	564029,007	4132706,782	554,319	Cun
370	-2,5	564024,387	4132716,962	554,408	Cun
370	2,5	564029,383	4132716,774	554,408	Cun
374,634	-2,5	564024,561	4132721,593	554,450	Cun
374,634	2,5	564029,557	4132721,406	554,450	Cun
380	-2,5	564024,763	4132726,955	556,876	Cun
380	2,5	564029,759	4132726,767	556,876	Cun
390	-2,5	564025,138	4132736,948	561,399	Cun
390	2,5	564030,135	4132736,760	561,399	Cun
391,083	-2,5	564025,179	4132738,031	561,889	Cun
391,083	2,5	564030,176	4132737,843	561,889	Cun
395	-2,5	564025,719	4132742,343	563,660	Cun
395	2,5	564030,608	4132741,293	563,660	Cun
395,392	-2,5	564025,815	4132742,769	563,837	Cun
395,392	2,5	564030,684	4132741,633	563,837	Cun
400	-2,5	564027,478	4132747,601	564,197	Cun
400	2,5	564032,015	4132745,499	564,197	Cun
405	-2,5	564030,352	4132752,342	564,587	Cun
405	2,5	564034,314	4132749,292	564,587	Cun
409,96	-2,5	564034,167	4132756,305	564,975	Cun
409,96	2,5	564037,366	4132752,462	564,975	Cun

410	-2,5	564034,197	4132756,330	564,978	Cun
410	2,5	564037,396	4132752,488	564,978	Cun
411,039	-2,5	564034,996	4132756,995	565,059	Cun
411,039	2,5	564038,195	4132753,152	565,059	Cun
420	-2,5	564041,883	4132762,728	563,170	Cun
420	2,5	564045,082	4132758,885	563,170	Cun
430	-2,5	564049,568	4132769,126	561,062	Cun
430	2,5	564052,767	4132765,283	561,062	Cun
432,621	-2,5	564051,583	4132770,803	560,510	Cun
432,621	2,5	564054,782	4132766,960	560,510	Cun
440	-2,5	564057,254	4132775,524	557,992	Cun
440	2,5	564060,453	4132771,681	557,992	Cun
450	-2,5	564064,939	4132781,922	554,580	Cun
450	2,5	564068,138	4132778,079	554,580	Cun
460	-2,5	564072,625	4132788,320	551,168	Cun
460	2,5	564075,824	4132784,477	551,168	Cun
470	-2,5	564080,310	4132794,718	547,756	Cun
470	2,5	564083,509	4132790,875	547,756	Cun
480	-2,5	564087,996	4132801,115	544,344	Cun
480	2,5	564091,195	4132797,273	544,344	Cun
486,957	-2,5	564093,343	4132805,566	541,970	Cun
486,957	2,5	564096,542	4132801,724	541,970	Cun
490	-2,388	564095,617	4132807,407	540,988	Cun
490	2,5	564098,924	4132803,807	540,932	Cun
495	-2,5	564098,943	4132810,874	539,226	Cun
495	2,411	564102,544	4132807,534	539,271	Cun
495,889	-2,5	564099,519	4132811,504	538,923	Cun
495,889	2,443	564103,190	4132808,194	538,952	Cun
500	-2,5	564102,063	4132814,520	538,372	Cun
500	2,5	564105,989	4132811,423	538,372	Cun
505	-2,5	564104,882	4132818,403	537,702	Cun
505	2,5	564109,043	4132815,630	537,702	Cun
510	-2,5	564107,382	4132822,500	537,032	Cun
510	2,5	564111,751	4132820,068	537,032	Cun
511,186	-2,5	564107,926	4132823,499	536,873	Cun
511,186	2,5	564112,340	4132821,151	536,873	Cun
520	-2,5	564112,066	4132831,281	535,691	Cun
520	2,5	564116,480	4132828,933	535,691	Cun
530	-2,157	564117,065	4132839,948	534,522	Cun
530	2,5	564121,177	4132837,761	534,351	Cun
540	-2,5	564121,459	4132848,938	533,010	Cun
540	2,5	564125,874	4132846,589	533,010	Cun
550	-2,5	564126,156	4132857,766	531,670	Cun
550	2,5	564130,570	4132855,418	531,670	Cun
560	-2,351	564130,984	4132866,525	530,404	Cun
560	2,5	564135,267	4132864,246	530,329	Cun
570	-2,486	564135,562	4132875,416	528,996	Cun
570	2,5	564139,964	4132873,075	528,989	Cun
580	-2,5	564140,246	4132884,251	527,649	Cun
580	2,5	564144,660	4132881,903	527,649	Cun

590	-2,5	564144,943	4132893,080	526,308	Cun
590	2,5	564149,357	4132890,732	526,308	Cun
600	-2,5	564149,640	4132901,908	524,968	Cun
600	2,5	564154,054	4132899,560	524,968	Cun
610	-2,5	564154,336	4132910,737	523,627	Cun
610	2,5	564158,751	4132908,388	523,627	Cun
620	-2,5	564159,033	4132919,565	522,287	Cun
620	2,5	564163,447	4132917,217	522,287	Cun
630	-2,304	564163,903	4132928,302	521,045	Cun
630	2,458	564168,107	4132926,065	520,968	Cun
640	-2,5	564168,426	4132937,222	519,606	Cun
640	2,108	564172,495	4132935,058	519,802	Cun
641,731	-2,5	564169,239	4132938,750	519,374	Cun
641,731	2,244	564173,427	4132936,522	519,502	Cun
650	-2,5	564173,123	4132946,050	518,090	Cun
650	2,5	564177,537	4132943,702	518,090	Cun
655,022	-2,5	564175,482	4132950,484	517,311	Cun
655,022	2,5	564179,896	4132948,135	517,311	Cun
660	-2,5	564178,117	4132954,959	516,538	Cun
660	2,5	564182,311	4132952,237	516,538	Cun
663,446	-2,236	564180,375	4132957,759	516,135	Cun
663,446	2,5	564184,187	4132954,947	516,003	Cun
665	-2,5	564181,143	4132959,207	515,641	Cun
665	2,5	564185,085	4132956,131	515,641	Cun
667,767	-2,5	564182,973	4132961,440	514,996	Cun
667,767	2,5	564186,763	4132958,178	514,996	Cun
670	-2,5	564184,430	4132963,132	514,474	Cun
670	2,5	564188,219	4132959,871	514,474	Cun
680	-2,5	564190,952	4132970,712	512,141	Cun
680	2,5	564194,742	4132967,451	512,141	Cun
690	-2,223	564197,685	4132978,111	509,947	Cun
690	2,5	564201,265	4132975,031	509,809	Cun
700	-2,201	564204,224	4132985,677	507,625	Cun
700	2,458	564207,756	4132982,638	507,497	Cun
703,269	-2,396	564206,208	4132988,282	506,765	Cun
703,269	2,485	564209,909	4132985,098	506,720	Cun
708,892	-2,5	564209,798	4132992,612	506,294	Cun
708,892	2,5	564213,588	4132989,351	506,294	Cun
710	-2,5	564210,484	4132993,424	506,212	Cun
710	2,5	564214,331	4132990,231	506,212	Cun
715	-2,5	564213,399	4132997,236	505,839	Cun
715	2,5	564217,489	4132994,360	505,839	Cun
720	-2,5	564216,000	4133001,269	505,467	Cun
720	2,021	564219,894	4132998,972	505,706	Cun
722,995	-2,311	564217,568	4133003,692	505,339	Cun
722,995	2,347	564221,689	4133001,521	505,320	Cun
725	-2,072	564218,656	4133005,309	505,513	Cun
725	2,5	564222,767	4133003,309	505,299	Cun
730	-2,5	564220,196	4133009,892	505,437	Cun
730	2,5	564224,853	4133008,071	505,437	Cun

735	-2,5	564221,764	4133014,427	505,574	Cun
735	2,24	564226,302	4133013,059	505,704	Cun
740	-2,179	564223,278	4133019,006	505,873	Cun
740	2,5	564227,852	4133018,017	505,712	Cun
745	-2,5	564223,790	4133023,801	505,850	Cun
745	2,5	564228,746	4133023,138	505,850	Cun
750	-2,5	564224,235	4133028,579	505,987	Cun
750	2,5	564229,228	4133028,315	505,987	Cun
755	-2,5	564224,296	4133033,377	506,125	Cun
755	2,5	564229,295	4133033,513	506,125	Cun
759,612	-2,398	564224,115	4133037,805	506,303	Cun
759,612	2,5	564228,988	4133038,299	506,251	Cun
760	-2,379	564224,094	4133038,193	506,323	Cun
760	2,5	564228,949	4133038,684	506,262	Cun
770	-2,5	564222,966	4133048,130	506,538	Cun
770	2,317	564227,759	4133048,615	506,629	Cun
774,656	-2,5	564222,497	4133052,762	506,666	Cun
774,656	2,487	564227,459	4133053,264	506,672	Cun
780	-2,5	564221,958	4133058,079	506,586	Cun
780	2,5	564226,933	4133058,583	506,586	Cun
790	-2,5	564220,951	4133068,028	506,435	Cun
790	2,297	564225,723	4133068,511	506,537	Cun
800	-2,5	564219,943	4133077,977	506,285	Cun
800	2,5	564224,917	4133078,481	506,285	Cun
810	-2,5	564218,935	4133087,926	506,135	Cun
810	2,5	564223,910	4133088,430	506,135	Cun
820	-2,5	564217,927	4133097,875	505,985	Cun
820	2,5	564222,902	4133098,379	505,985	Cun
820,112	-2,5	564217,916	4133097,986	505,983	Cun
820,112	2,5	564222,891	4133098,490	505,983	Cun
830	-2,5	564216,920	4133107,824	507,276	Cun
830	2,5	564221,894	4133108,328	507,276	Cun
832,179	-2,5	564216,700	4133109,992	507,562	Cun
832,179	2,5	564221,675	4133110,496	507,562	Cun
832,181	-2,5	564216,700	4133109,994	507,562	Cun
832,181	-2,5	564216,700	4133109,994	507,562	Cun
832,351	-2,5	564216,683	4133110,163	507,584	Cun

- Explanada.

REPLANTEO BORDE EXPLANADA

Nombre	Coordenada X	Coordenada Y	Coordenada Z	Código
1	564199,998	4133272,711	503,000	plataforma explanada
2	564197,742	4133269,043	503,000	plataforma explanada
3	564197,303	4133268,330	503,000	plataforma explanada
4	564196,864	4133267,616	503,000	plataforma explanada
5	564194,347	4133263,525	503,000	plataforma explanada
6	564189,108	4133255,007	503,000	plataforma explanada
7	564186,591	4133250,915	503,000	plataforma explanada
8	564184,370	4133247,305	503,000	plataforma explanada
9	564185,088	4133243,633	503,000	plataforma explanada
10	564185,193	4133243,098	503,000	plataforma explanada
11	564187,110	4133233,284	503,000	plataforma explanada
12	564189,028	4133223,469	503,000	plataforma explanada
13	564190,946	4133213,655	503,000	plataforma explanada
14	564192,864	4133203,840	503,000	plataforma explanada
15	564194,782	4133194,026	503,000	plataforma explanada
16	564196,699	4133184,212	503,000	plataforma explanada
17	564198,617	4133174,397	503,000	plataforma explanada
18	564200,535	4133164,583	503,000	plataforma explanada
19	564202,453	4133154,769	503,000	plataforma explanada
20	564204,371	4133144,954	503,000	plataforma explanada
21	564204,953	4133141,976	503,000	plataforma explanada
22	564205,193	4133140,747	503,000	plataforma explanada
23	564205,837	4133137,451	503,000	plataforma explanada
24	564207,755	4133127,637	503,000	plataforma explanada
25	564209,672	4133117,822	503,000	plataforma explanada
26	564211,590	4133108,008	503,000	plataforma explanada
27	564212,234	4133104,712	503,000	plataforma explanada
28	564216,470	4133104,284	503,000	plataforma explanada
29	564226,419	4133103,277	503,000	plataforma explanada
30	564236,368	4133102,270	503,000	plataforma explanada
31	564240,604	4133101,842	503,000	plataforma explanada
32	564240,597	4133101,913	503,000	plataforma explanada
33	564240,409	4133104,110	503,000	plataforma explanada
34	564239,744	4133111,877	503,000	plataforma explanada
35	564238,890	4133121,840	503,000	plataforma explanada
36	564238,037	4133131,804	503,000	plataforma explanada
37	564237,267	4133140,792	503,000	plataforma explanada
38	564237,183	4133141,767	503,000	plataforma explanada
39	564237,177	4133141,838	503,000	plataforma explanada
40	564237,129	4133142,401	503,000	plataforma explanada
41	564236,276	4133152,365	503,000	plataforma explanada
42	564235,422	4133162,328	503,000	plataforma explanada
43	564235,374	4133162,892	503,000	plataforma explanada
44	564235,300	4133163,755	503,000	plataforma explanada
45	564235,146	4133165,555	503,000	plataforma explanada
46	564234,292	4133175,518	503,000	plataforma explanada
47	564233,439	4133185,482	503,000	plataforma explanada
48	564232,585	4133195,445	503,000	plataforma explanada
49	564231,732	4133205,409	503,000	plataforma explanada
50	564230,878	4133215,372	503,000	plataforma explanada
51	564230,025	4133225,336	503,000	plataforma explanada
52	564229,171	4133235,299	503,000	plataforma explanada
53	564228,318	4133245,263	503,000	plataforma explanada
54	564227,464	4133255,226	503,000	plataforma explanada
55	564226,611	4133265,190	503,000	plataforma explanada
56	564225,757	4133275,153	503,000	plataforma explanada
57	564225,567	4133277,368	503,000	plataforma explanada
58	564225,529	4133277,817	503,000	plataforma explanada
59	564224,229	4133277,557	503,000	plataforma explanada
60	564223,077	4133277,326	503,000	plataforma explanada
61	564213,271	4133275,365	503,000	plataforma explanada
62	564205,674	4133273,846	503,000	plataforma explanada
63	564203,465	4133273,404	503,000	plataforma explanada
64	564201,013	4133272,914	503,000	plataforma explanada

REPLANTEO TALUDES EXPLANADA

Nombre	Coordenada X	Coordenada Y	Coordenada Z	Código
65	564198,910	4133274,273	504,269	cabeza y pies de taludes
66	564198,811	4133274,133	504,235	cabeza y pies de taludes
67	564198,733	4133273,982	504,195	cabeza y pies de taludes
68	564198,658	4133273,840	504,168	cabeza y pies de taludes
69	564198,596	4133273,698	504,143	cabeza y pies de taludes
70	564196,479	4133269,820	503,989	cabeza y pies de taludes
71	564195,875	4133269,208	504,118	cabeza y pies de taludes
72	564195,383	4133268,527	504,159	cabeza y pies de taludes
73	564191,479	4133265,289	505,245	cabeza y pies de taludes
74	564185,288	4133257,357	505,990	cabeza y pies de taludes
75	564184,011	4133252,503	505,020	cabeza y pies de taludes
76	564181,748	4133248,836	505,024	cabeza y pies de taludes
77	564181,540	4133248,641	505,086	cabeza y pies de taludes
78	564181,441	4133248,387	505,082	cabeza y pies de taludes
79	564181,456	4133248,101	505,014	cabeza y pies de taludes
80	564181,484	4133247,829	504,956	cabeza y pies de taludes
81	564185,124	4133243,085	502,954	cabeza y pies de taludes
82	564186,081	4133233,082	502,301	cabeza y pies de taludes
83	564185,954	4133222,868	500,911	cabeza y pies de taludes
84	564186,985	4133212,881	500,310	cabeza y pies de taludes
85	564188,751	4133203,037	500,206	cabeza y pies de taludes
86	564190,889	4133193,265	500,356	cabeza y pies de taludes
87	564193,850	4133183,655	501,064	cabeza y pies de taludes
88	564197,120	4133174,105	501,983	cabeza y pies de taludes
89	564199,478	4133164,376	502,282	cabeza y pies de taludes
90	564201,152	4133154,514	502,116	cabeza y pies de taludes
91	564204,013	4133144,884	502,757	cabeza y pies de taludes
92	564204,793	4133140,669	503,271	cabeza y pies de taludes
93	564204,671	4133137,223	503,792	cabeza y pies de taludes
94	564202,484	4133126,607	506,580	cabeza y pies de taludes
95	564200,122	4133115,956	509,487	cabeza y pies de taludes
96	564199,234	4133105,593	511,393	cabeza y pies de taludes
97	564199,368	4133101,827	511,791	cabeza y pies de taludes
98	564199,511	4133100,667	511,900	cabeza y pies de taludes
99	564199,752	4133099,506	512,016	cabeza y pies de taludes
100	564200,220	4133098,421	512,041	cabeza y pies de taludes
101	564200,862	4133097,428	512,003	cabeza y pies de taludes
102	564201,719	4133096,603	511,852	cabeza y pies de taludes
103	564202,659	4133095,896	511,677	cabeza y pies de taludes
104	564203,655	4133095,304	511,488	cabeza y pies de taludes
105	564204,816	4133094,996	511,150	cabeza y pies de taludes
106	564205,952	4133094,799	510,824	cabeza y pies de taludes
107	564207,061	4133094,715	510,504	cabeza y pies de taludes
108	564208,139	4133094,757	510,176	cabeza y pies de taludes
109	564209,155	4133094,864	509,879	cabeza y pies de taludes
110	564210,117	4133095,052	509,593	cabeza y pies de taludes
111	564211,041	4133095,479	509,207	cabeza y pies de taludes
112	564215,656	4133096,244	508,387	cabeza y pies de taludes
113	564226,079	4133099,918	505,251	cabeza y pies de taludes
114	564236,238	4133100,983	503,863	cabeza y pies de taludes

115	564240,555	4133101,336	503,339	cabeza y pies de taludes
116	564240,600	4133101,341	503,334	cabeza y pies de taludes
117	564240,643	4133101,351	503,328	cabeza y pies de taludes
118	564240,684	4133101,365	503,323	cabeza y pies de taludes
119	564240,723	4133101,382	503,316	cabeza y pies de taludes
120	564240,759	4133101,403	503,310	cabeza y pies de taludes
121	564240,793	4133101,427	503,304	cabeza y pies de taludes
122	564240,824	4133101,454	503,297	cabeza y pies de taludes
123	564240,851	4133101,482	503,291	cabeza y pies de taludes
124	564240,876	4133101,513	503,285	cabeza y pies de taludes
125	564240,897	4133101,544	503,279	cabeza y pies de taludes
126	564240,915	4133101,577	503,273	cabeza y pies de taludes
127	564240,930	4133101,610	503,267	cabeza y pies de taludes
128	564240,942	4133101,643	503,261	cabeza y pies de taludes
129	564240,950	4133101,677	503,256	cabeza y pies de taludes
130	564240,957	4133101,710	503,251	cabeza y pies de taludes
131	564240,960	4133101,743	503,247	cabeza y pies de taludes
132	564240,961	4133101,776	503,242	cabeza y pies de taludes
133	564240,959	4133101,808	503,238	cabeza y pies de taludes
134	564240,955	4133101,839	503,235	cabeza y pies de taludes
135	564240,949	4133101,869	503,231	cabeza y pies de taludes
136	564240,932	4133101,942	503,224	cabeza y pies de taludes
137	564240,495	4133111,941	502,498	cabeza y pies de taludes
138	564241,242	4133122,042	501,426	cabeza y pies de taludes
139	564240,434	4133132,009	501,396	cabeza y pies de taludes
140	564237,801	4133141,820	503,413	cabeza y pies de taludes
141	564237,845	4133141,895	503,447	cabeza y pies de taludes
142	564238,111	4133142,486	503,657	cabeza y pies de taludes
143	564237,554	4133152,474	503,855	cabeza y pies de taludes
144	564235,615	4133162,345	503,129	cabeza y pies de taludes
145	564235,492	4133162,902	503,079	cabeza y pies de taludes
146	564235,463	4133165,582	502,788	cabeza y pies de taludes
147	564236,861	4133175,738	501,281	cabeza y pies de taludes
148	564238,853	4133185,946	499,377	cabeza y pies de taludes
149	564239,664	4133196,052	498,263	cabeza y pies de taludes
150	564239,213	4133206,050	497,994	cabeza y pies de taludes
151	564239,069	4133216,074	497,519	cabeza y pies de taludes
152	564234,957	4133225,758	499,700	cabeza y pies de taludes
153	564233,976	4133235,711	499,785	cabeza y pies de taludes
154	564234,888	4133245,826	498,603	cabeza y pies de taludes
155	564234,036	4133255,789	498,603	cabeza y pies de taludes
156	564231,052	4133265,570	500,028	cabeza y pies de taludes
157	564227,082	4133275,267	502,113	cabeza y pies de taludes
158	564226,868	4133279,601	504,487	cabeza y pies de taludes
159	564223,047	4133277,478	502,897	cabeza y pies de taludes
160	564213,121	4133276,115	502,490	cabeza y pies de taludes
161	564203,295	4133274,257	503,580	cabeza y pies de taludes
162	564200,735	4133274,306	503,947	cabeza y pies de taludes
163	564199,509	4133274,556	504,273	cabeza y pies de taludes
164	564199,349	4133274,508	504,274	cabeza y pies de taludes
165	564199,201	4133274,431	504,264	cabeza y pies de taludes
166	564199,044	4133274,373	504,278	cabeza y pies de taludes

Almería, agosto de 2025