

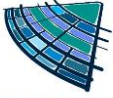
PAROVESA S.L.

*El contenido de este documento ha sido sometido a un proceso de seudonimización de datos en cumplimiento de lo dispuesto en el Reglamento Europeo de Protección de Datos (2016/679)



ANEJO 3

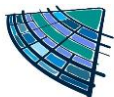
TOPOGRÁFICO



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ANEXO 1. PLANO TOPOGRÁFICO



1. INTRODUCCIÓN

El presente Anejo describe los trabajos de campo y gabinete llevados a cabo durante la realización del levantamiento topográfico para el "PROYECTO DE EJECUCIÓN PARA LAS OBRAS DE URBANIZACIÓN DE LAS CALLES RICARDO LOSTAO, HUERTOS Y DIPUTACIÓN DEL MUNICIPIO DE NOVILLAS".

2. NECESIDAD DE LEVANTAMIENTO TOPOGRÁFICO

Con el fin de conocer el estado actual del ámbito de actuación y la posición de elementos naturales o instalaciones existentes, se ha realizado un levantamiento topográfico en el que se recogen los datos necesarios para la representación gráfica del área objeto del proyecto.

3. SISTEMA DE REFERENCIA Y PROYECCIÓN

El sistema de referencia geodésico adoptado es ETRS89, European Terrestrial Reference System 1989.

En cuanto al sistema de coordenadas, la proyección adoptada es la UTM, Universal Transverse Mercator, Zona 30N.

4. MÉTODO DE TRABAJO

La totalidad del levantamiento se ha realizado mediante Estación Total LEICA TPS 1200 y GPS GNSS i80 CHC.

Los trabajos comenzaron el día 20 de agosto de 2021 realizando una visita a la zona de levantamiento con el fin de conocer el terreno y determinar los aspectos más relevantes a tener en cuenta durante la realización de los trabajos.

Se determinan las bases de implantación y realización de reseñas de campo.

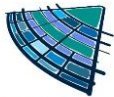
Con posterioridad a los trabajos de campo se realizaron los planos topográficos, empleados en la redacción del presente proyecto, los cuales quedan recogidos en el Anexo 1. *Plano topográfico*.

5. EQUIPO UTILIZADO

Las observaciones de campo se han realizado mediante el empleo de GPS GNSS i80 CHC y de Estación Total LEICA TPS 1200, cuyas características técnicas están resumidas en las siguientes tablas.

GNSS i80 CHC

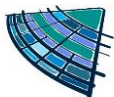
CAPACIDAD DE RASTREO	
Número de canales	220 canales para rastrear todas las señales satelitales simultáneamente
GPS	L1C/A, L1C, L2C, L2E, L5
GLONASS	L1C/A, L1P, L2C/A, L2P, L3
Galeileo	E1, E5A, E5B
DeiDou	B1, B2
SBAS	L1 C/A, L5 (QZSS, WAAS EGNOS, GAGAN)
PRECISIÓN DE POSICIONAMIENTO	
Estática	H: 2.5 mm + 0,5 ppm V: 3.5 mm + 0,5 ppm
Cinemático Pos-Proceso	H: 8.0 mm + 1 ppm V: 15 mm + 1 ppm



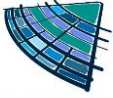
RTK	H: 8 mm + 1 ppm V: 15 mm + 1 ppm Tiempo de inicialización < 5 s
Red RTK	H: 8 mm + 0,5 ppm V: 15 mm + 0,5 ppm Tiempo de inicialización < 10 s
COMUNICACIÓN	
Bluetooth®	Sistema multi-modo integrado compatible con Android, Windows Mobile, iOS y sistema operativo de escritorio Windows.
Wifi	802.11 b/g/n, modo punto de acceso
Celular	Módem integrado internamente 3.75G
Almacenamiento de datos	32 GB memoria de alta velocidad
UHF Radios	Interno Rx/Tx: 450-470 Mhz
DATOS AMBIENTALES	
Golpes	2 m de caída a hormigón
Temperatura de funcionamiento	
Operación	De -40°C a 75°C
Almacenamiento	De -55°C a 85°C
Protección frente a polvo/agua	IP67
CARÁCTERÍSTICAS FÍSICAS	
Tamaño (p x a)	140 x 124 mm
Peso (HiPer V)	De 1,02 kg a 1,22 kg
ALIMENTACIÓN	
Capacidad de la batería	2x3400 mAh, 7.4 V
Tiempo de funcionamiento a 20°C	6 horas en modo rover RTK 12 horas modo estático
Tensión de entrada de alimentación externa	7.4 V

ESTACIÓN TOTAL LEYCA SERIE 1200


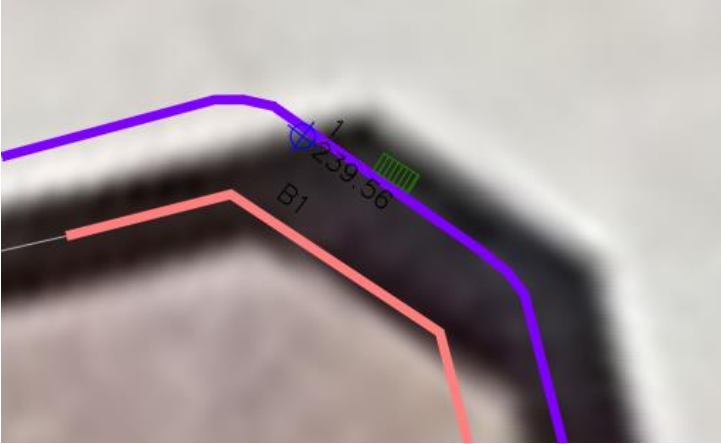
MEDICIÓN ANGULAR	
Precisión	1"
Rango de trabajo	4'
Precisión de calado	0,5"
MEDICIÓN DE DISTANCIA	
Alcance	GPR1: 3.000 m,
Precisión/ Tiempo de medición	1 mm+ 1,5 ppm/tp. 2,4 s en modo estándar
Tiempo medición	3 -4 s
Resolución de pantalla	0.1 mm
PUNTO PRECISO R400/R1000	
Alcance	GPR1: 1000/800 m.
Precisión/ Medición	1"
COMUNICACIÓN	
Registro de datos	Memoria interna 256 Mb
Radio	Via radio modem integrado
DATOS AMBIENTALES	
Temperatura de funcionamiento	
Trabajo	De -30°C a 65°C
Almacenamiento	De -40°C a 0°C

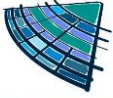




Protección frente a polvo/agua	IP54
CARÁCTERÍSTICAS FÍSICAS	
Recinto	Carcasa de aleación de magnesio
Tamaño (p x a)	184 x 95 mm
Peso	4,8-5,5 kg
Peso Batería (GDF121)	0,20 Kg
ALIMENTACIÓN	
Batería GEB221	Batería recargable extraíble de iones de litio
Voltaje	7,4 V
Capacidad	4,4 Ah
Tiempo de funcionamiento a 20°C	6- 8h

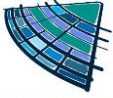



6. RESEÑAS DE BASES Y VÉRTICES GEODÉSICOS

PAROVESA		CALLES RICARDO LOSTAO, HUERTOS Y DIPUTACIÓN	
RESEÑA DE BASES		SEÑAL: PINTURA	
BASE	Número: 1		RESEÑA LITERAL: PINTURA INDICATIVA DE PUNTO Y NÚMERO DE BASE EN BORDILLO EXISTENTE
	Nombre: B1		
BASE	X	633114.170	
	Y	4643549.521	
	Z	239.556	
CALCULADO EN LA RED		ARAGEA	
PROYECCIÓN	UTM		
HUSO	30		
PROVINCIA	ZARAGOZA		
FECHAS:	08/2021		
NOTAS			
CROQUIS			
			

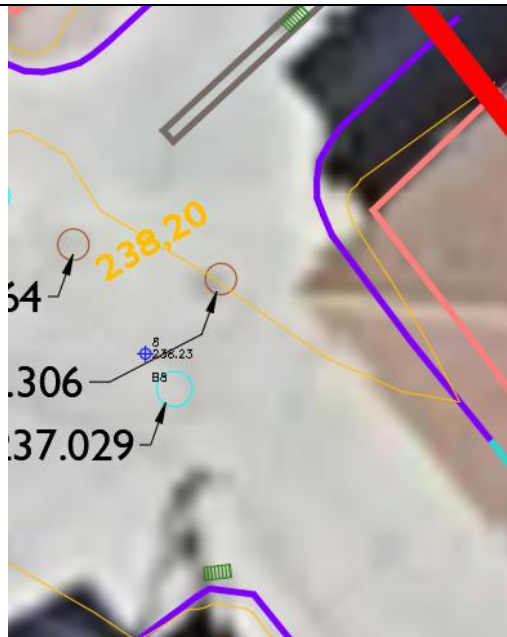


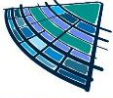
PAROVESA		CALLES RICARDO LOSTAO, HUERTOS Y DIPUTACIÓN	
RESEÑA DE BASES		SEÑAL: PINTURA	
BASE	Número: 7		RESEÑA LITERAL: PINTURA INDICATIVA DE PUNTO Y NÚMERO DE BASE EN BORDILLO EXISTENTE
	Nombre: B7		
BASE	X	633131.618	
	Y	4643556.468	
	Z	239.450	
CALCULADO EN LA RED		ARAGEA	
PROYECCIÓN	UTM		
HUSO	30		
PROVINCIA	ZARAGOZA		
FECHAS:	08/2021		
NOTAS			
CROQUIS			
			




PAROVESA		CALLES RICARDO LOSTAO, HUERTOS Y DIPUTACIÓN	
RESEÑA DE BASES		SEÑAL: PINTURA	
BASE	Número: 8		RESEÑA LITERAL: PINTURA INDICATIVA DE PUNTO Y NÚMERO DE BASE EN CALZADA
	Nombre: B8		
BASE	X	633250.279	
	Y	4643661.943	
	Z	238.230	
CALCULADO EN LA RED		ARAGEA	
PROYECCIÓN	UTM		
HUSO	30		
PROVINCIA	ZARAGOZA		
FECHAS:	08/2021		
NOTAS			

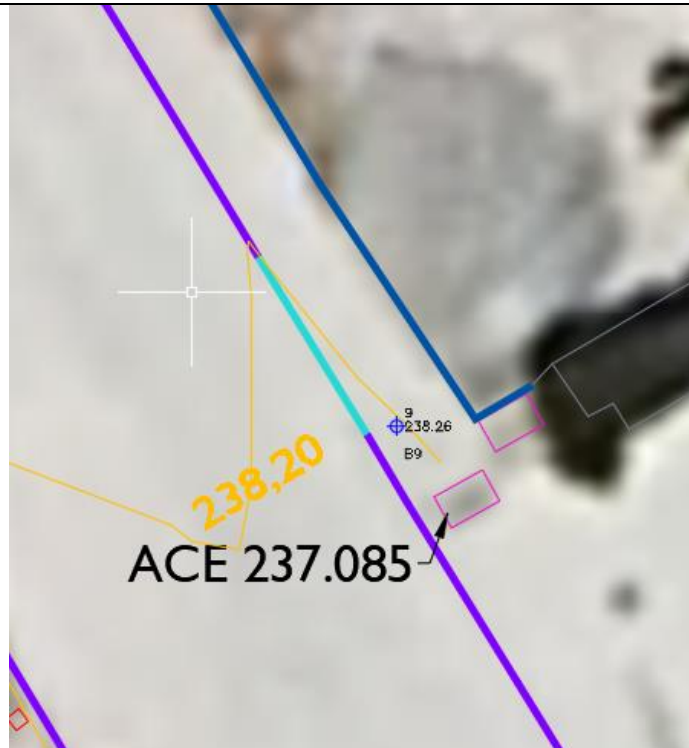
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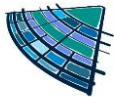




PAROVESA		CALLES RICARDO LOSTAO, HUERTOS Y DIPUTACIÓN	
RESEÑA DE BASES		SEÑAL: PINTURA	
BASE	Número: 9		RESEÑA LITERAL: PINTURA INDICATIVA DE PUNTO Y NÚMERO DE BASE EN ACERA
	Nombre: B9		
BASE	X	633315.651	
	Y	4643571.951	
	Z	238.260	
CALCULADO EN LA RED		ARAGEA	
PROYECCIÓN	UTM		
HUSO	30		
PROVINCIA	ZARAGOZA		
FECHAS:	08/2021		
NOTAS			

CROQUIS





ARAGEA

Estación permanente de Borja (BRJA)

UBICACIÓN

Código estación: BRJA
 Nombre RINEX3: BRJA3
 Nombre: Borja
 DONES: 19374M001
 Redes Pertenece: ARAGEA
 Instituciones Pertenece: IGEAR
 Localización: Cno. Barbalanca s/n,
 50540 Borja
 (Zaragoza)
 ARAGÓN



Fecha Instalación: 07/06/2009

Tipo instalación: Mástil de 2 m. anclado a tejado, reforzado con vientos. Nivelada y orientada al norte.

COORDENADAS ETRS89

Cartesianas (x, y, z)	Geográficas (φ, λ, h)	UTM (x,y,huso)
4757928,8196	41° 50' 5,65651" N	622376,286
-126764,7826	1° 31' 34,18249" W	4632496,069
4232288,0307	493,588 m.	30

INSTRUMENTACIÓN

Receptor: NET-G3 de Topcon
 Antena: GNSS Choke Ring CR-G3
 Altura Antena: 0 metros.
 Observaciones: GPS y GLONASS
 Frecuencias: L1, L2 y L2C

INFORMACIÓN ADICIONAL

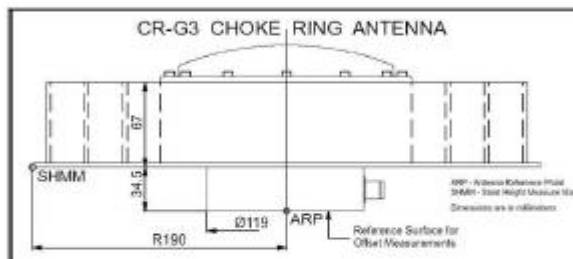
Rinex Horarios cada 1 segundo, y Diarios cada 30 segundos.

Caser NTRIP: <http://ntrip.aragon.es:2101>

RINEX y LOG: <http://gnss.aragon.es>

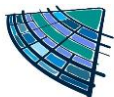
e-mail / Web: aragea@aragon.es / <http://gnss.aragon.es>

Última actualización: 15/03/2018



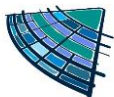
FOTOS



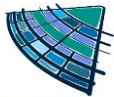


7. DATOS DE CAMPO

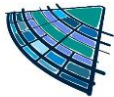
N.º	X	Y	Z	CÓDIGO
1	633.113.726	4.643.556.311	239.451	REG
3	633.112.228	4.643.556.487	239.472	AGUA
4	633.112.395	4.643.556.668	237.670	FONDO
5	633.113.653	4.643.559.568	239.397	ALCAN
8	633.114.096	4.643.560.107	239.426	BORDI
9	633.113.717	4.643.560.010	239.383	BORDI
10	633.113.229	4.643.560.051	239.376	BORDI
11	633.111.397	4.643.547.053	239.392	BORDI
12	633.113.033	4.643.549.209	239.384	BORDI
13	633.113.315	4.643.549.430	239.376	BORDI
14	633.113.654	4.643.549.593	239.381	BORDI
17	633.115.599	4.643.550.023	239.366	ALCAN
18	633.116.748	4.643.549.758	239.362	BORDI
19	633.117.199	4.643.549.753	239.361	BORDI
20	633.117.520	4.643.549.665	239.364	BORDI
21	633.120.926	4.643.547.043	239.356	BORDI
22	633.120.081	4.643.546.256	239.513	EDI
23	633.116.986	4.643.548.655	239.521	EDI
24	633.113.907	4.643.548.416	239.536	EDI
25	633.112.624	4.643.546.773	239.553	EDI
26	633.106.680	4.643.551.937	239.503	EDI
27	633.107.689	4.643.553.333	239.499	EDI
28	633.107.054	4.643.556.326	239.498	EDI
29	633.104.578	4.643.558.276	239.516	EDI
30	633.105.231	4.643.559.229	239.360	BORDI
31	633.107.700	4.643.557.276	239.349	BORDI
32	633.107.906	4.643.557.070	239.344	BORDI
33	633.108.095	4.643.556.766	239.347	BORDI
34	633.108.362	4.643.555.546	239.346	BORDI
36	633.108.929	4.643.554.965	239.347	ALCAN
38	633.108.763	4.643.553.719	239.355	BORDI
39	633.108.782	4.643.553.335	239.348	BORDI
40	633.108.757	4.643.553.022	239.358	BORDI
41	633.108.662	4.643.552.836	239.362	BORDI
42	633.107.420	4.643.551.248	239.364	BORDI
44	633.108.801	4.643.563.483	239.337	BORDI
45	633.111.357	4.643.561.471	239.345	BORDI
46	633.114.877	4.643.560.723	239.353	BORDI
47	633.118.424	4.643.563.429	239.328	BORDI
48	633.120.596	4.643.565.080	239.313	ENTRADA
49	633.122.834	4.643.566.775	239.307	ENTRADA
50	633.126.295	4.643.569.409	239.307	BORDI
51	633.130.662	4.643.572.713	239.301	BORDI



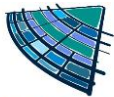
N.º	X	Y	Z	CÓDIGO
52	633.133.143	4.643.574.612	239.293	ENTRADA
53	633.135.110	4.643.576.119	239.286	ENTRADA
54	633.135.881	4.643.576.684	239.287	ENTRADA
55	633.137.812	4.643.578.174	239.262	ENTRADA
56	633.140.848	4.643.580.494	239.261	BORDI
57	633.144.311	4.643.583.102	239.239	BORDI
58	633.147.657	4.643.585.671	239.206	BORDI
59	633.150.659	4.643.587.939	239.213	BORDI
60	633.154.014	4.643.590.505	239.204	BORDI
61	633.158.592	4.643.593.992	239.204	BORDI
62	633.158.781	4.643.594.239	239.197	BORDI
63	633.158.845	4.643.594.442	239.197	BORDI
64	633.158.810	4.643.594.814	239.200	BORDI
65	633.158.559	4.643.595.232	239.200	BORDI
66	633.161.481	4.643.594.579	239.234	AGUA
67	633.162.031	4.643.593.291	239.276	REG
68	633.157.883	4.643.595.028	239.351	EDI
69	633.155.452	4.643.593.162	239.355	P
70	633.154.881	4.643.592.622	239.515	
71	633.154.205	4.643.592.184	239.347	P
72	633.152.078	4.643.590.576	239.371	EDI
73	633.149.873	4.643.588.932	239.377	EDI
74	633.146.556	4.643.586.433	239.388	EDI
75	633.145.601	4.643.585.676	239.395	P
76	633.145.041	4.643.585.215	239.587	
77	633.144.510	4.643.584.861	239.396	P
78	633.142.301	4.643.583.156	239.402	EDI
79	633.140.162	4.643.581.518	239.417	P
80	633.139.631	4.643.581.007	239.576	
81	633.139.042	4.643.580.594	239.433	P
82	633.136.981	4.643.579.092	239.446	P
83	633.136.049	4.643.578.342	239.438	
84	633.135.127	4.643.577.705	239.440	P
85	633.134.247	4.643.576.927	239.451	P
86	633.133.348	4.643.576.270	239.438	
87	633.132.429	4.643.575.584	239.454	P
88	633.130.509	4.643.574.094	239.456	P
89	633.129.857	4.643.573.517	239.563	
90	633.129.293	4.643.573.208	239.468	P
91	633.126.789	4.643.571.308	239.460	EDI
92	633.123.321	4.643.568.647	239.467	EDI
93	633.121.932	4.643.567.581	239.488	P
94	633.120.880	4.643.566.814	239.493	
95	633.120.137	4.643.566.211	239.491	P
96	633.116.886	4.643.563.703	239.492	EDI



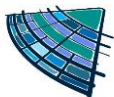
N.º	X	Y	Z	CÓDIGO
97	633.113.630	4.643.561.189	239.500	EDI
99	633.113.990	4.643.561.090	239.478	POSTE
101	633.112.572	4.643.562.079	239.493	EDI
102	633.110.982	4.643.563.308	239.491	EDI
103	633.108.275	4.643.560.482	239.386	
104	633.109.994	4.643.550.021	239.451	
105	633.112.559	4.643.553.342	239.409	
106	633.115.854	4.643.557.868	239.413	
107	633.119.601	4.643.560.865	239.378	
108	633.123.434	4.643.563.832	239.370	
109	633.127.187	4.643.566.666	239.367	
110	633.130.750	4.643.569.426	239.351	
111	633.134.391	4.643.572.191	239.346	
112	633.138.373	4.643.575.205	239.344	
113	633.141.820	4.643.577.820	239.343	
114	633.146.158	4.643.581.058	239.324	
115	633.151.297	4.643.584.942	239.302	
116	633.155.662	4.643.588.335	239.295	
117	633.160.738	4.643.592.037	239.290	
118	633.167.209	4.643.596.985	239.256	
119	633.171.437	4.643.600.220	239.237	
120	633.176.865	4.643.604.353	239.212	
121	633.181.752	4.643.607.973	239.183	
122	633.186.237	4.643.611.160	239.177	
123	633.191.359	4.643.615.344	239.158	
124	633.196.864	4.643.619.458	239.132	
125	633.202.301	4.643.623.567	239.127	
126	633.207.405	4.643.627.541	239.122	SANEAMIENTO
128	633.211.508	4.643.630.712	239.101	
129	633.217.819	4.643.635.532	239.064	
130	633.222.721	4.643.639.183	239.029	
131	633.227.566	4.643.642.896	238.997	
132	633.233.618	4.643.647.637	238.868	
133	633.237.605	4.643.651.381	238.693	
134	633.241.690	4.643.655.068	238.541	
135	633.234.068	4.643.651.981	238.719	BORDI
136	633.233.838	4.643.651.436	238.730	BORDI
137	633.233.694	4.643.651.184	238.737	BORDI
138	633.233.051	4.643.650.611	238.766	ENTRADA
139	633.230.315	4.643.648.582	238.855	ENTRADA
140	633.226.731	4.643.645.805	238.947	BORDI
141	633.221.553	4.643.641.864	238.968	BORDI
142	633.216.785	4.643.638.215	239.002	BORDI
143	633.212.707	4.643.635.143	239.027	BORDI
144	633.210.428	4.643.633.399	239.031	ENTRADA



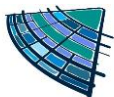
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147	633.204.161	4.643.628.640	239.058	ENTRADA
148	633.201.135	4.643.626.383	239.068	BORDI
149	633.197.468	4.643.623.564	239.073	BORDI
150	633.194.280	4.643.621.122	239.071	ENTRADA
151	633.188.415	4.643.616.671	239.088	ENTRADA
152	633.184.627	4.643.613.788	239.126	BORDI
153	633.179.612	4.643.609.958	239.134	ENTRADA
154	633.177.077	4.643.608.038	239.120	ENTRADA
155	633.173.770	4.643.605.521	239.155	BORDI
156	633.169.510	4.643.602.285	239.175	BORDI
157	633.166.221	4.643.599.793	239.190	BORDI
158	633.163.095	4.643.597.385	239.192	BORDI
159	633.162.778	4.643.597.224	239.201	BORDI
160	633.162.420	4.643.597.151	239.183	BORDI
161	633.162.130	4.643.597.206	239.181	BORDI
162	633.161.875	4.643.597.332	239.195	BORDI
163	633.161.363	4.643.597.707	239.203	BORDI
164	633.169.235	4.643.593.648	239.343	EDI
165	633.168.863	4.643.593.398	239.362	P
166	633.168.235	4.643.592.928	239.372	P
167	633.168.573	4.643.593.171	239.362	
168	633.167.908	4.643.592.677	239.378	P
169	633.166.788	4.643.591.700	239.379	
170	633.165.094	4.643.590.545	239.369	P
171	633.163.997	4.643.589.736	239.366	EDI
172	633.162.680	4.643.588.753	239.368	P
173	633.160.614	4.643.587.175	239.375	P
174	633.161.715	4.643.587.956	239.391	
175	633.159.351	4.643.586.226	239.394	EDI
176	633.155.826	4.643.583.537	239.396	EDI
177	633.155.102	4.643.582.989	239.398	P
178	633.154.214	4.643.582.353	239.544	
179	633.153.308	4.643.581.629	239.400	P
180	633.152.804	4.643.581.251	239.406	P
181	633.151.875	4.643.580.575	239.530	
182	633.150.960	4.643.579.854	239.396	P
183	633.148.198	4.643.577.746	239.426	EDI
184	633.145.620	4.643.575.794	239.435	EDI
185	633.145.603	4.643.575.730	239.432	EDI
186	633.142.878	4.643.573.652	239.454	EDI
187	633.140.379	4.643.571.731	239.447	P
188	633.139.511	4.643.571.115	239.577	
189	633.138.613	4.643.570.450	239.449	P



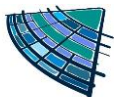
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192	633.136.316	4.643.568.652	239.461	P
193	633.133.616	4.643.566.590	239.467	EDI
194	633.130.768	4.643.564.421	239.482	EDI
195	633.129.449	4.643.563.390	239.479	P
196	633.128.349	4.643.562.390	239.512	
197	633.127.278	4.643.561.677	239.498	P
198	633.126.037	4.643.560.713	239.481	P
199	633.125.566	4.643.560.351	239.506	
200	633.125.152	4.643.560.018	239.500	P
201	633.123.570	4.643.558.826	239.485	EDI
202	633.121.964	4.643.557.583	239.484	EDI
203	633.121.764	4.643.554.975	239.498	EDI
204	633.124.566	4.643.552.706	239.504	EDI
205	633.122.157	4.643.549.669	239.400	
206	633.118.309	4.643.552.620	239.410	
207	633.124.506	4.643.551.308	239.347	BORDI
208	633.121.307	4.643.553.798	239.348	BORDI
209	633.121.058	4.643.554.082	239.341	BORDI
210	633.120.817	4.643.554.328	239.337	BORDI
211	633.120.718	4.643.554.528	239.341	BORDI
212	633.120.681	4.643.554.759	239.338	BORDI
214	633.120.395	4.643.556.061	239.320	ALCAN
216	633.120.843	4.643.557.740	239.329	BORDI
217	633.120.934	4.643.558.088	239.339	BORDI
218	633.121.120	4.643.558.440	239.352	BORDI
219	633.122.684	4.643.559.653	239.323	BORDI
220	633.126.284	4.643.562.414	239.326	ENTRADA
221	633.129.019	4.643.564.459	239.303	ENTRADA
222	633.133.190	4.643.567.647	239.290	BORDI
223	633.136.771	4.643.570.360	239.280	BORDI
224	633.140.445	4.643.573.166	239.270	BORDI
225	633.144.144	4.643.575.968	239.264	BORDI
226	633.147.187	4.643.578.259	239.258	BORDI
227	633.150.296	4.643.580.613	239.240	BORDI
228	633.154.554	4.643.583.887	239.230	BORDI
229	633.157.851	4.643.586.399	239.211	BORDI
230	633.159.882	4.643.587.924	239.208	ENTRADA
231	633.161.709	4.643.589.330	239.199	ENTRADA
232	633.163.012	4.643.590.316	239.194	BORDI
233	633.164.249	4.643.591.216	239.188	ENTRADA
234	633.167.437	4.643.593.629	239.177	ENTRADA
236	633.154.554	4.643.601.269	239.237	BORDI
237	633.152.293	4.643.604.596	239.253	BORDI



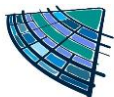
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240	633.145.814	4.643.614.371	239.270	BORDI
241	633.143.173	4.643.618.322	239.277	BORDI
242	633.141.667	4.643.620.603	239.288	ENTRADA
243	633.140.094	4.643.622.957	239.292	ENTRADA
244	633.137.945	4.643.626.208	239.301	BORDI
245	633.136.444	4.643.628.424	239.302	BORDI
246	633.135.947	4.643.628.586	239.311	BORDI
247	633.136.012	4.643.627.781	239.463	EDI
248	633.138.029	4.643.624.790	239.469	EDI
249	633.139.667	4.643.622.361	239.444	P
250	633.140.294	4.643.621.405	239.445	
251	633.141.033	4.643.620.281	239.441	P
252	633.142.753	4.643.617.644	239.450	EDI
253	633.145.008	4.643.614.226	239.440	P
254	633.145.555	4.643.613.458	239.576	
255	633.145.986	4.643.612.767	239.432	P
256	633.146.463	4.643.612.161	239.427	EDI
257	633.148.705	4.643.608.814	239.409	EDI
258	633.151.101	4.643.605.265	239.411	EDI
259	633.151.982	4.643.603.958	239.417	P
260	633.152.250	4.643.603.545	239.459	
261	633.152.552	4.643.603.062	239.421	P
262	633.153.280	4.643.601.996	239.398	EDI
263	633.153.719	4.643.601.374	239.397	EDI
264	633.153.397	4.643.601.114	239.412	EDI
265	633.156.184	4.643.597.438	239.400	EDI
266	633.161.970	4.643.598.205	239.355	MURO
267	633.160.898	4.643.598.954	239.365	MURO
268	633.160.186	4.643.599.459	239.380	EDI
269	633.158.323	4.643.602.022	239.384	EDI
270	633.157.447	4.643.603.208	239.384	P
271	633.157.211	4.643.603.368	239.636	
272	633.156.970	4.643.603.879	239.393	P
273	633.155.258	4.643.606.268	239.408	EDI
274	633.153.005	4.643.609.397	239.405	EDI
275	633.151.446	4.643.611.573	239.390	P
276	633.150.836	4.643.612.724	239.405	
277	633.149.804	4.643.613.862	239.390	P
278	633.149.231	4.643.614.640	239.420	EDI
279	633.148.827	4.643.614.505	239.266	BORDI
280	633.149.164	4.643.614.024	239.269	ENTRADA
281	633.151.028	4.643.611.332	239.245	ENTRADA
282	633.152.522	4.643.609.226	239.238	BORDI



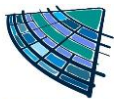
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286	633.159.533	4.643.599.157	239.228	BORDI
287	633.160.572	4.643.598.391	239.213	BORDI
289	633.163.558	4.643.598.259	239.306	RIEGO
290	633.163.986	4.643.599.631	239.337	MURO
291	633.167.282	4.643.602.209	239.341	P
292	633.167.942	4.643.602.726	239.337	
293	633.168.511	4.643.603.119	239.328	P
294	633.169.908	4.643.604.166	239.340	MURO
295	633.171.237	4.643.605.180	239.344	EDI
296	633.173.799	4.643.607.125	239.336	EDI
297	633.174.848	4.643.607.923	239.321	P
298	633.175.639	4.643.608.396	239.518	
299	633.176.112	4.643.608.876	239.317	P
300	633.176.473	4.643.609.143	239.335	P
301	633.177.575	4.643.610.012	239.333	
302	633.178.816	4.643.610.953	239.330	P
303	633.180.302	4.643.612.076	239.320	EDI
304	633.182.287	4.643.613.554	239.301	P
305	633.183.293	4.643.614.336	239.356	
306	633.184.400	4.643.615.159	239.278	P
307	633.186.152	4.643.616.479	239.288	EDI
308	633.187.926	4.643.617.800	239.281	P
309	633.189.071	4.643.618.730	239.309	
310	633.190.191	4.643.619.551	239.270	P
311	633.190.969	4.643.620.129	239.262	P
312	633.192.324	4.643.621.162	239.260	
313	633.193.215	4.643.621.887	239.251	P
314	633.194.974	4.643.623.148	239.253	EDI
315	633.198.625	4.643.625.904	239.248	EDI
316	633.200.994	4.643.627.762	239.237	EDI
317	633.201.884	4.643.628.395	239.240	P
318	633.203.096	4.643.629.348	239.234	P
319	633.202.388	4.643.628.843	239.451	
320	633.203.613	4.643.629.755	239.249	P
321	633.204.758	4.643.630.542	239.249	
322	633.206.217	4.643.631.729	239.252	P
324	633.207.163	4.643.631.434	239.198	RIEGO
325	633.207.093	4.643.632.389	239.240	P
326	633.208.515	4.643.633.419	239.223	
327	633.209.606	4.643.634.283	239.220	P
328	633.210.613	4.643.634.987	239.220	P
329	633.211.393	4.643.635.486	239.483	



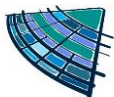
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332	633.215.728	4.643.638.896	239.184	EDI
333	633.219.461	4.643.641.688	239.159	P
334	633.220.770	4.643.642.647	239.150	P
335	633.220.193	4.643.642.199	239.367	
336	633.223.853	4.643.645.117	239.140	EDI
337	633.226.686	4.643.647.267	239.115	EDI
338	633.229.735	4.643.649.542	239.048	P
339	633.231.109	4.643.650.422	239.049	
340	633.232.251	4.643.651.464	238.938	P
341	633.232.999	4.643.652.062	238.918	EDI
342	633.251.883	4.643.656.447	238.509	MURO
343	633.251.577	4.643.656.199	238.535	MURO
344	633.251.634	4.643.656.051	238.535	MURO
345	633.250.618	4.643.656.047	238.550	RIEGO
347	633.250.296	4.643.655.011	238.612	MURO
348	633.249.743	4.643.654.592	238.620	EDI
349	633.245.916	4.643.651.689	238.724	EDI
350	633.241.998	4.643.648.737	238.871	EDI
351	633.238.615	4.643.646.202	238.950	EDI
352	633.237.305	4.643.645.179	239.005	P
353	633.235.999	4.643.644.093	239.046	
354	633.234.821	4.643.643.272	239.069	P
355	633.233.062	4.643.642.016	239.117	EDI
356	633.230.409	4.643.640.081	239.118	EDI
357	633.227.066	4.643.637.553	239.125	EDI
358	633.222.891	4.643.634.362	239.183	EDI
359	633.218.953	4.643.631.391	239.174	EDI
360	633.215.649	4.643.628.869	239.208	EDI
361	633.214.209	4.643.627.780	239.221	P
362	633.212.735	4.643.626.437	239.239	
363	633.210.590	4.643.625.005	239.243	P
364	633.208.900	4.643.623.746	239.242	EDI
365	633.206.200	4.643.621.721	239.197	P
366	633.204.942	4.643.620.761	239.170	
367	633.203.747	4.643.619.827	239.168	P
368	633.202.083	4.643.618.608	239.233	EDI
369	633.198.913	4.643.616.218	239.260	EDI
370	633.196.538	4.643.614.424	239.236	P
371	633.195.956	4.643.613.904	239.239	
372	633.195.185	4.643.613.380	239.240	P
373	633.194.078	4.643.612.549	239.272	EDI
374	633.191.765	4.643.610.800	239.245	EDI
375	633.189.823	4.643.609.337	239.271	P



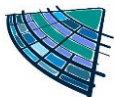
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379	633.184.896	4.643.605.617	239.327	P
380	633.183.521	4.643.604.516	239.383	
381	633.181.592	4.643.603.115	239.328	P
382	633.180.868	4.643.602.572	239.326	EDI
383	633.180.032	4.643.601.985	239.301	MURO
384	633.176.784	4.643.599.542	239.326	P
385	633.176.081	4.643.598.962	239.501	
386	633.175.208	4.643.598.270	239.322	P
387	633.173.484	4.643.596.989	239.330	MURO
388	633.170.606	4.643.594.818	239.325	MURO
389	633.169.449	4.643.595.275	239.173	BORDI
390	633.173.052	4.643.598.048	239.150	BORDI
391	633.176.550	4.643.600.678	239.150	BORDI
392	633.180.243	4.643.603.494	239.126	ENTRADA
393	633.184.560	4.643.606.740	239.115	ENTRADA
394	633.185.964	4.643.607.788	239.120	BORDI
395	633.189.323	4.643.610.383	239.101	BORDI
396	633.191.983	4.643.612.362	239.087	BORDI
397	633.194.274	4.643.614.101	239.097	ENTRADA
398	633.195.963	4.643.615.365	239.093	ENTRADA
399	633.198.585	4.643.617.374	239.092	BORDI
400	633.201.836	4.643.619.840	239.078	ENTRADA
401	633.205.820	4.643.622.881	239.067	ENTRADA
402	633.207.831	4.643.624.387	239.064	BORDI
403	633.209.631	4.643.625.772	239.055	ENTRADA
404	633.213.719	4.643.628.871	239.027	ENTRADA
405	633.215.073	4.643.629.909	239.031	BORDI
406	633.218.355	4.643.632.426	239.008	BORDI
407	633.222.904	4.643.635.850	238.994	BORDI
408	633.226.518	4.643.638.578	238.983	BORDI
409	633.230.458	4.643.641.603	238.949	BORDI
410	633.233.838	4.643.644.162	238.878	ENTRADA
411	633.236.662	4.643.646.274	238.790	ENTRADA
412	633.239.065	4.643.648.089	238.729	BORDI
413	633.242.952	4.643.651.024	238.620	BORDI
414	633.246.479	4.643.653.747	238.506	BORDI
415	633.249.343	4.643.655.915	238.423	BORDI
416	633.251.256	4.643.657.271	238.364	BORDI
417	633.251.508	4.643.657.433	238.358	BORDI
418	633.252.358	4.643.657.323	238.349	BORDI
419	633.251.903	4.643.657.899	238.343	ALCAN
422	633.160.746	4.643.595.753	239.204	



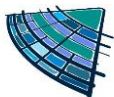
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425	633.153.934	4.643.604.679	239.298	
426	633.151.697	4.643.607.868	239.304	
427	633.149.515	4.643.611.247	239.300	
428	633.147.445	4.643.614.653	239.315	
429	633.123.377	4.643.654.897	239.610	BORDI
430	633.125.438	4.643.652.049	239.575	BORDI
431	633.127.932	4.643.648.554	239.522	BORDI
432	633.129.993	4.643.645.679	239.501	BORDI
433	633.131.306	4.643.643.860	239.483	ENTRADA
434	633.132.791	4.643.641.794	239.441	ENTRADA
435	633.133.970	4.643.640.206	239.427	ENTRADA
436	633.135.388	4.643.638.172	239.407	BORDI
437	633.136.462	4.643.636.666	239.402	ENTRADA
438	633.138.486	4.643.633.859	239.363	ENTRADA
439	633.140.097	4.643.631.582	239.341	BORDI
440	633.141.250	4.643.629.981	239.337	BORDI
441	633.141.489	4.643.629.474	239.324	ENTRADA
442	633.143.717	4.643.624.961	239.293	ENTRADA
443	633.144.699	4.643.622.924	239.302	BORDI
444	633.145.981	4.643.620.231	239.290	BORDI
445	633.147.139	4.643.617.924	239.284	BORDI
446	633.148.587	4.643.614.882	239.276	BORDI
447	633.149.119	4.643.615.041	239.437	MURO
448	633.148.057	4.643.617.458	239.437	MURO
449	633.146.780	4.643.620.409	239.439	MURO
450	633.145.481	4.643.623.388	239.464	MURO
451	633.144.566	4.643.625.506	239.486	MURO
452	633.144.962	4.643.625.681	239.503	MURO
453	633.145.378	4.643.626.120	239.519	MURO
454	633.145.652	4.643.626.332	239.528	EDI
455	633.145.422	4.643.626.608	239.534	P
456	633.144.418	4.643.628.002	239.517	
457	633.142.993	4.643.629.909	239.522	P
458	633.142.422	4.643.630.691	239.530	P
459	633.142.080	4.643.631.145	239.685	
460	633.141.588	4.643.631.816	239.521	P
461	633.140.807	4.643.632.862	239.519	EDI
462	633.139.484	4.643.634.660	239.537	P
463	633.138.760	4.643.636.116	239.566	
464	633.137.641	4.643.637.198	239.579	P
465	633.136.506	4.643.638.680	239.578	P
466	633.136.257	4.643.638.985	239.626	
467	633.135.990	4.643.639.372	239.581	P



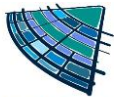
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470	633.135.156	4.643.640.469	239.579	P
471	633.134.844	4.643.640.850	239.592	TUNEL
472	633.134.442	4.643.641.554	239.626	
473	633.133.932	4.643.642.136	239.628	TUNEL
474	633.133.607	4.643.642.566	239.653	P
475	633.133.004	4.643.643.630	239.708	
476	633.132.122	4.643.644.582	239.652	P
477	633.130.870	4.643.645.582	239.670	REG
478	633.130.648	4.643.645.900	239.664	REG
479	633.130.900	4.643.646.124	239.630	REG
480	633.130.575	4.643.646.577	239.651	MURO
481	633.128.237	4.643.649.660	239.672	MURO
482	633.126.791	4.643.651.571	239.705	MURO
483	633.126.163	4.643.652.279	239.718	MURO
484	633.125.914	4.643.652.512	239.725	MURO
485	633.125.701	4.643.652.848	239.735	MURO
486	633.123.985	4.643.655.069	239.748	MURO
487	633.123.578	4.643.655.558	239.763	MURO
488	633.123.173	4.643.655.271	239.625	P
489	633.121.570	4.643.654.612	239.642	
490	633.119.989	4.643.652.866	239.593	P
491	633.120.176	4.643.652.526	239.550	BORDI
492	633.120.744	4.643.651.708	239.534	ENTRADA
493	633.123.048	4.643.648.412	239.491	ENTRADA
494	633.123.903	4.643.650.256	239.568	REG
496	633.124.105	4.643.646.865	239.467	BORDI
497	633.125.901	4.643.644.296	239.444	BORDI
498	633.127.898	4.643.641.394	239.401	BORDI
499	633.129.984	4.643.638.404	239.364	BORDI
500	633.131.620	4.643.636.007	239.342	BORDI
501	633.131.710	4.643.635.507	239.331	BORDI
502	633.131.500	4.643.635.080	239.328	BORDI
505	633.131.688	4.643.634.599	239.327	ALCAN
506	633.130.713	4.643.634.433	239.310	BORDI
507	633.128.102	4.643.632.361	239.298	BORDI
508	633.127.455	4.643.633.407	239.465	EDI
509	633.130.583	4.643.635.899	239.481	EDI
510	633.128.815	4.643.638.209	239.513	EDI
511	633.126.041	4.643.641.663	239.551	EDI
512	633.126.642	4.643.642.100	239.546	EDI
513	633.125.202	4.643.644.168	239.567	EDI
514	633.123.419	4.643.646.882	239.596	EDI
515	633.122.599	4.643.648.057	239.614	P



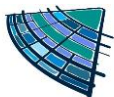
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520	633.124.970	4.643.649.256	239.588	
521	633.127.423	4.643.645.993	239.533	
522	633.129.697	4.643.642.650	239.519	
523	633.132.121	4.643.639.079	239.460	
524	633.134.348	4.643.634.037	239.408	REG
526	633.138.047	4.643.629.932	239.394	
527	633.139.967	4.643.627.017	239.378	
528	633.142.161	4.643.623.735	239.371	
529	633.134.710	4.643.628.832	239.312	BORDI
530	633.132.899	4.643.629.191	239.303	BORDI
531	633.129.986	4.643.626.939	239.304	BORDI
532	633.130.888	4.643.626.127	239.464	EDI
533	633.133.641	4.643.628.233	239.461	EDI
534	633.135.408	4.643.627.916	239.483	EDI
537	633.134.217	4.643.629.369	239.312	ALCAN
538	633.130.867	4.643.630.874	239.389	
539	633.128.445	4.643.629.130	239.386	
540	633.151.690	4.643.616.542	144.647	EDI
541	633.152.462	4.643.617.218	144.654	EDI
542	633.147.469	4.643.623.973	142.773	EDI
543	633.251.730	4.643.663.378	238.197	SANE
546	633.250.835	4.643.661.265	238.281	AGUA
549	633.248.893	4.643.664.038	238.248	SANE
552	633.247.322	4.643.664.973	238.247	AGUA
554	633.254.768	4.643.658.323	238.333	
555	633.258.053	4.643.654.340	238.373	
556	633.261.847	4.643.649.463	238.411	
557	633.265.387	4.643.644.653	238.451	
558	633.268.924	4.643.640.288	238.483	
559	633.272.319	4.643.635.367	238.528	
560	633.275.637	4.643.630.343	238.539	
562	633.276.680	4.643.630.907	238.510	SANE
563	633.277.335	4.643.627.926	238.540	
564	633.280.684	4.643.622.890	238.571	
565	633.284.121	4.643.617.455	238.614	
566	633.287.402	4.643.612.078	238.673	
567	633.289.893	4.643.607.657	238.697	
568	633.292.310	4.643.603.267	238.629	
569	633.296.384	4.643.595.997	238.524	
571	633.294.582	4.643.601.369	238.567	SANE
572	633.301.648	4.643.594.176	238.414	BORDI
573	633.299.897	4.643.597.157	238.441	BORDI



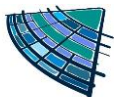
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575	633.296.787	4.643.602.398	238.492	ENTRADA
576	633.294.998	4.643.605.396	238.532	BORDI
577	633.293.942	4.643.607.204	238.570	BORDI
578	633.293.708	4.643.607.698	238.570	BORDI
579	633.293.739	4.643.608.159	238.583	BORDI
580	633.294.079	4.643.609.443	238.612	BORDI
581	633.291.726	4.643.612.809	238.562	BORDI
582	633.288.764	4.643.617.048	238.519	BORDI
583	633.285.601	4.643.621.532	238.498	BORDI
584	633.282.514	4.643.625.916	238.477	BORDI
585	633.280.337	4.643.629.037	238.456	ENTRADA
586	633.277.389	4.643.633.251	238.442	ENTRADA
587	633.274.952	4.643.636.695	238.441	ENTRADA
588	633.272.763	4.643.639.552	238.403	BORDI
589	633.270.140	4.643.642.997	238.392	BORDI
590	633.267.383	4.643.646.587	238.356	BORDI
591	633.264.366	4.643.650.490	238.314	BORDI
592	633.262.164	4.643.653.397	238.300	BORDI
593	633.261.493	4.643.654.277	238.296	ENTRADA
594	633.260.013	4.643.656.210	238.283	ENTRADA
595	633.259.282	4.643.657.203	238.264	ENTRADA
597	633.258.429	4.643.657.617	238.247	ALCAN
599	633.256.926	4.643.660.267	238.229	ENTRADA
600	633.255.375	4.643.662.190	238.155	BORDI
601	633.253.863	4.643.664.218	238.132	BORDI
602	633.253.698	4.643.664.604	238.131	BORDI
603	633.253.576	4.643.664.930	238.123	BORDI
604	633.253.571	4.643.665.268	238.117	BORDI
605	633.253.619	4.643.665.642	238.108	BORDI
606	633.253.803	4.643.665.964	238.091	BORDI
607	633.254.035	4.643.666.298	238.091	BORDI
608	633.256.294	4.643.668.407	238.052	BORDI
609	633.257.086	4.643.667.010	238.218	EDI
610	633.254.654	4.643.664.699	238.265	EDI
611	633.256.703	4.643.662.024	238.331	EDI
612	633.257.710	4.643.660.668	238.361	P
613	633.258.955	4.643.659.165	238.455	
614	633.259.886	4.643.657.807	238.403	P
615	633.260.306	4.643.657.202	238.409	EDI
616	633.260.694	4.643.656.729	238.424	P
617	633.261.518	4.643.655.661	238.410	
618	633.262.137	4.643.654.872	238.422	P
619	633.263.515	4.643.653.090	238.442	EDI
620	633.264.256	4.643.652.147	238.444	P



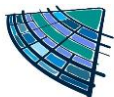
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624	633.266.048	4.643.649.938	238.663	
625	633.266.495	4.643.649.256	238.486	P
626	633.267.568	4.643.647.873	238.510	EDI
627	633.268.674	4.643.646.427	238.534	P
628	633.269.180	4.643.645.819	238.686	
629	633.269.530	4.643.645.343	238.539	P
630	633.271.924	4.643.642.195	238.570	EDI
631	633.274.186	4.643.639.148	238.585	EDI
632	633.275.779	4.643.637.045	238.611	P
633	633.276.930	4.643.635.617	238.662	
634	633.278.009	4.643.634.136	238.643	P
635	633.278.374	4.643.633.578	238.648	EDI
636	633.278.789	4.643.632.963	238.649	P
637	633.279.863	4.643.631.489	238.642	
638	633.281.021	4.643.629.812	238.623	P
639	633.282.739	4.643.627.360	238.633	EDI
640	633.284.981	4.643.624.132	238.634	EDI
641	633.287.484	4.643.620.569	238.653	EDI
642	633.288.830	4.643.618.650	238.666	P
643	633.289.109	4.643.618.259	238.659	
644	633.289.454	4.643.617.752	238.659	P
645	633.291.190	4.643.615.228	238.695	EDI
646	633.293.578	4.643.611.763	238.739	EDI
647	633.295.034	4.643.609.758	238.772	EDI
648	633.295.676	4.643.608.690	238.731	P
649	633.296.075	4.643.607.967	238.873	
650	633.296.509	4.643.607.526	238.736	P
651	633.295.568	4.643.591.162	238.529	BORDI
652	633.293.199	4.643.595.189	238.585	BORDI
653	633.291.310	4.643.598.335	238.612	BORDI
654	633.289.818	4.643.600.964	238.650	ENTRADA
655	633.286.679	4.643.606.229	238.715	ENTRADA
656	633.285.136	4.643.608.791	238.682	BORDI
657	633.283.253	4.643.612.038	238.650	BORDI
658	633.281.125	4.643.615.580	238.622	BORDI
659	633.278.942	4.643.619.274	238.606	ENTRADA
660	633.274.554	4.643.626.720	238.550	ENTRADA
661	633.272.549	4.643.630.131	238.532	BORDI
662	633.270.541	4.643.633.498	238.511	BORDI
663	633.269.192	4.643.635.733	238.491	BORDI
664	633.266.997	4.643.638.653	238.470	BORDI
665	633.264.401	4.643.642.001	238.435	BORDI



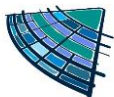
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668	633.257.138	4.643.651.257	238.357	BORDI
670	633.255.724	4.643.653.644	238.327	ALCAN
672	633.253.667	4.643.655.703	238.339	BORDI
673	633.252.302	4.643.655.999	238.538	MURO
674	633.254.487	4.643.653.225	238.516	MURO
675	633.255.228	4.643.652.319	238.513	P
676	633.255.626	4.643.651.683	238.786	
677	633.256.127	4.643.651.071	238.519	P
678	633.256.988	4.643.650.031	238.529	MURO
679	633.258.798	4.643.647.758	238.542	MURO
680	633.259.213	4.643.647.270	238.546	P
681	633.259.439	4.643.646.816	238.777	
682	633.259.813	4.643.646.448	238.560	P
683	633.261.239	4.643.644.653	238.573	MURO
684	633.263.581	4.643.641.774	238.603	MURO
685	633.265.718	4.643.639.089	238.646	MURO
686	633.268.445	4.643.635.646	238.658	MURO
687	633.270.585	4.643.632.078	238.685	MURO
688	633.272.611	4.643.628.537	238.702	MURO
689	633.273.698	4.643.626.558	238.719	MURO
690	633.273.448	4.643.625.657	238.772	MURO
691	633.273.137	4.643.624.838	238.818	MURO
692	633.276.235	4.643.618.904	238.902	P
693	633.278.538	4.643.615.783	238.894	EDI
694	633.279.146	4.643.616.197	238.817	MURO
695	633.279.620	4.643.616.470	238.792	MURO
696	633.281.128	4.643.613.898	238.806	MURO
697	633.282.882	4.643.611.001	238.817	EDI
698	633.284.675	4.643.607.982	238.837	EDI
699	633.286.019	4.643.605.731	238.867	P
700	633.287.498	4.643.603.386	238.825	
701	633.288.790	4.643.600.773	238.824	P-10
702	633.292.978	4.643.594.032	238.762	EDI
704	633.290.759	4.643.599.032	238.773	RIEGO
705	633.298.191	4.643.605.103	238.703	EDI
706	633.299.624	4.643.603.023	238.666	P
707	633.300.873	4.643.601.341	238.652	
708	633.301.641	4.643.600.103	238.655	P
709	633.301.939	4.643.599.708	238.646	EDI
710	633.301.239	4.643.599.348	238.620	MURO
711	633.300.376	4.643.598.835	238.572	MURO
712	633.302.482	4.643.595.245	238.562	MURO
713	633.298.068	4.643.603.330	238.652	REG



N.º	X	Y	Z	CÓDIGO
718	633.295.123	4.643.607.713	238.721	REG
719	633.251.860	4.643.651.769	142.384	EDI
720	633.257.381	4.643.644.379	142.157	EDI
721	633.266.863	4.643.631.595	142.482	EDI
722	633.272.308	4.643.624.164	143.009	P
723	633.250.505	4.643.670.969	238.234	EDI
724	633.247.784	4.643.668.493	238.301	EDI
725	633.246.186	4.643.669.494	238.357	EDI
726	633.245.807	4.643.669.720	238.364	P
727	633.244.283	4.643.670.583	238.373	
728	633.242.431	4.643.671.728	238.399	P
729	633.241.242	4.643.672.439	238.411	EDI
730	633.237.619	4.643.673.202	238.447	EDI
731	633.237.271	4.643.672.025	238.305	BORDI
732	633.239.817	4.643.671.458	238.277	BORDI
733	633.240.359	4.643.671.326	238.281	BORDI
734	633.240.905	4.643.671.181	238.279	BORDI
735	633.241.393	4.643.670.945	238.267	BORDI
736	633.241.842	4.643.670.732	238.261	ENTRADA
737	633.245.338	4.643.668.719	238.172	ENTRADA
738	633.247.241	4.643.667.661	238.147	BORDI
739	633.247.573	4.643.667.530	238.149	BORDI
740	633.247.947	4.643.667.371	238.153	BORDI
741	633.248.315	4.643.667.352	238.158	BORDI
742	633.248.632	4.643.667.412	238.153	BORDI
743	633.249.017	4.643.667.524	238.138	BORDI
744	633.252.708	4.643.670.834	238.031	BORDI
745	633.249.571	4.643.667.940	238.100	BORDI
746	633.249.254	4.643.667.680	238.123	BORDI
749	633.253.426	4.643.668.479	238.013	ALCAN
750	633.254.269	4.643.669.214	238.026	CAZ
751	633.254.069	4.643.669.412	238.030	CAZ
752	633.250.621	4.643.666.228	238.088	CAZ
755	633.243.193	4.643.666.466	238.299	CAZ
756	633.236.374	4.643.668.479	238.336	CAZ
757	633.236.305	4.643.668.156	238.335	CAZ
758	633.232.374	4.643.666.327	238.399	BORDI
759	633.233.176	4.643.666.032	238.389	ENTRADA
760	633.236.231	4.643.664.847	238.376	ENTRADA
761	633.236.759	4.643.664.715	238.376	BORDI
762	633.237.219	4.643.664.520	238.378	BORDI
763	633.237.695	4.643.664.249	238.365	BORDI
764	633.237.898	4.643.663.965	238.373	BORDI
765	633.237.981	4.643.663.718	238.350	BORDI
766	633.237.977	4.643.663.310	238.376	BORDI



N.º	X	Y	Z	CÓDIGO
767	633.237.332	4.643.661.387	238.442	BORDI
768	633.236.279	4.643.658.409	238.543	BORDI
769	633.234.800	4.643.654.052	238.669	BORDI
770	633.232.355	4.643.652.428	238.963	EDI
771	633.233.184	4.643.654.503	238.901	EDI
772	633.234.637	4.643.657.861	238.763	EDI
773	633.236.423	4.643.661.959	238.623	EDI
774	633.236.964	4.643.663.392	238.531	EDI
775	633.236.428	4.643.663.629	238.523	EDI
776	633.235.974	4.643.663.837	238.519	P
777	633.234.386	4.643.664.228	238.561	
778	633.233.225	4.643.664.830	238.508	P
779	633.231.938	4.643.665.260	238.529	EDI
780	633.235.251	4.643.652.416	238.712	CONTENEDOR
781	633.236.814	4.643.656.791	238.585	CONTENEDOR
782	633.238.704	4.643.662.547	238.404	CONTENEDOR
783	633.303.113	4.643.594.206	238.543	MURO
784	633.303.255	4.643.592.986	238.532	REG
786	633.305.325	4.643.590.372	238.535	MURO
787	633.306.392	4.643.588.691	238.527	MURO
788	633.306.547	4.643.588.768	238.521	MURO
789	633.306.934	4.643.588.118	238.512	ACERA
790	633.309.018	4.643.584.780	238.459	ACERA
791	633.312.015	4.643.579.855	238.400	ACERA
792	633.314.395	4.643.575.908	238.358	ACERA
793	633.316.946	4.643.572.071	238.273	ACERA
797	633.316.550	4.643.570.288	238.255	ACEQUIA
800	633.318.071	4.643.571.976	238.249	ACEQUIA
801	633.317.643	4.643.567.752	238.060	BORDI
802	633.315.825	4.643.570.700	238.131	BORDI
803	633.315.168	4.643.571.810	238.152	ENTRADA
804	633.313.381	4.643.574.713	238.197	ENTRADA
805	633.311.287	4.643.578.171	238.236	BORDI
806	633.308.549	4.643.582.619	238.309	BORDI
807	633.307.716	4.643.584.742	238.489	ACEQUIA
808	633.307.399	4.643.585.206	238.498	ACEQUIA
809	633.308.220	4.643.585.752	238.505	ACEQUIA
810	633.304.498	4.643.589.271	238.384	BORDI
811	633.302.066	4.643.593.485	238.411	BORDI
812	633.298.992	4.643.592.024	238.481	
813	633.301.617	4.643.587.716	238.420	
814	633.304.409	4.643.582.623	238.370	
815	633.307.991	4.643.577.523	238.285	
816	633.312.623	4.643.570.799	238.216	
817	633.315.426	4.643.565.324	238.115	



N.º	X	Y	Z	CÓDIGO
818	633.317.943	4.643.561.254	238.051	SANE
820	633.320.526	4.643.563.087	237.978	BORDI
822	633.310.165	4.643.565.356	238.097	BORDI
823	633.310.444	4.643.565.898	238.102	BORDI
824	633.310.474	4.643.566.140	238.114	BORDI
825	633.309.131	4.643.568.371	238.133	BORDI
826	633.306.414	4.643.572.941	238.211	BORDI
827	633.303.611	4.643.577.681	238.272	BORDI
829	633.302.247	4.643.580.891	238.324	ALCAN
831	633.299.746	4.643.584.145	238.390	BORDI
832	633.297.957	4.643.587.136	238.449	BORDI
833	633.300.111	4.643.581.846	238.535	EDI
834	633.309.150	4.643.566.547	238.294	EDI
835	633.309.403	4.643.566.974	238.301	POSTE
836	633.309.325	4.643.566.197	238.289	REG
837	633.309.663	4.643.565.763	238.280	REG
838	633.309.994	4.643.565.889	238.280	REG
7004	633.256.564	4.643.660.502	238.609	
7007	633.131.618	4.643.635.440	239.450	BASE
7101	633.250.815	4.643.666.014	238.049	BOR
7103	633.243.122	4.643.666.163	238.307	BOR
7106	633.194.354	4.643.614.091	239.090	BOR
8001	633.114.170	4.643.549.521	239.560	BASE
8008	633.250.279	4.643.661.943	238.230	BASE
8009	633.315.651	4.643.571.951	238.260	BASE

OCTUBRE 2021

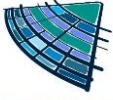
PAROVESA INGENIERÍA, ARQUITECTURA Y SERVICIOS, S. L.

EL AUTOR DEL PROYECTO

Consta la firma

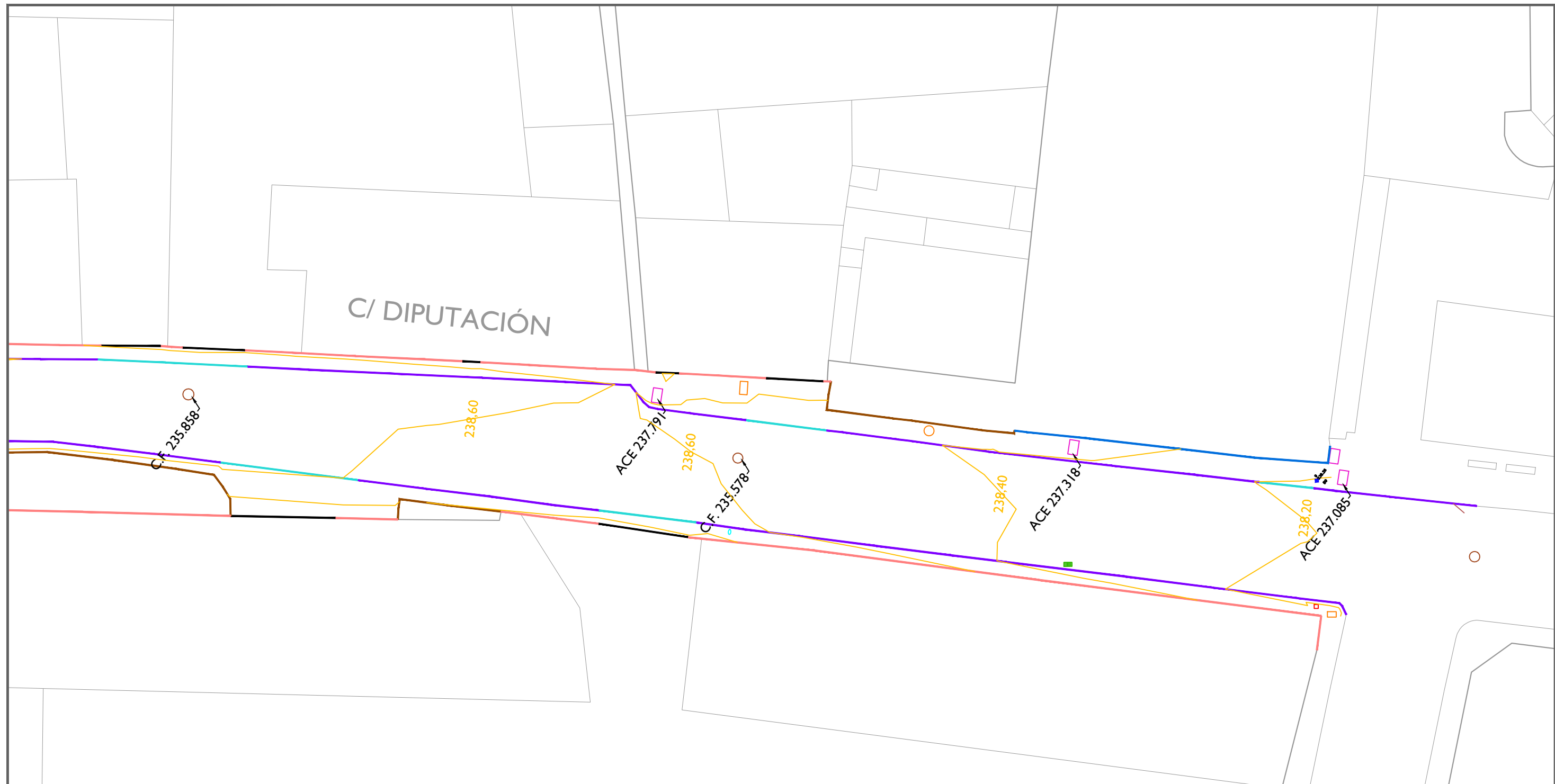
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Ingeniero de Caminos, Canales y Puertos
N.º de colegiado xxxxx



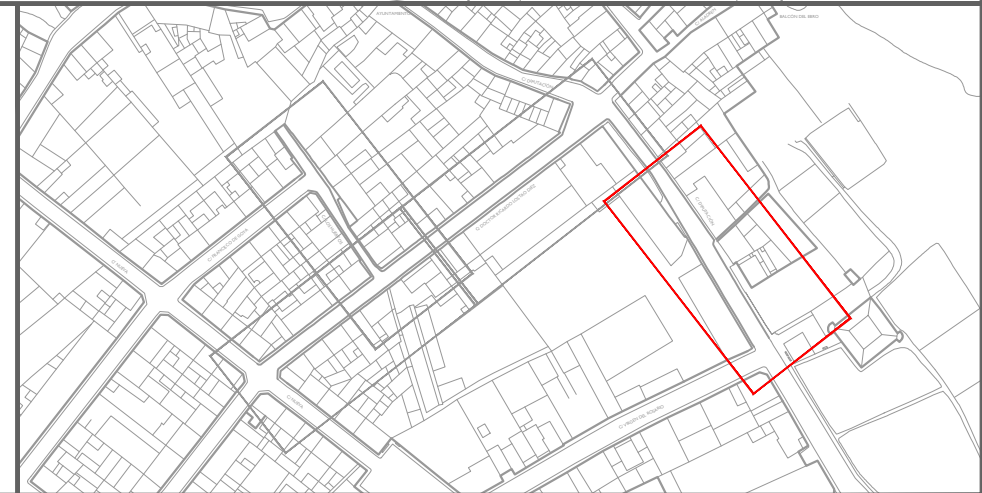
ANEXO 1

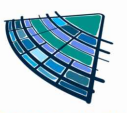


PLANO TOPOGRÁFICO

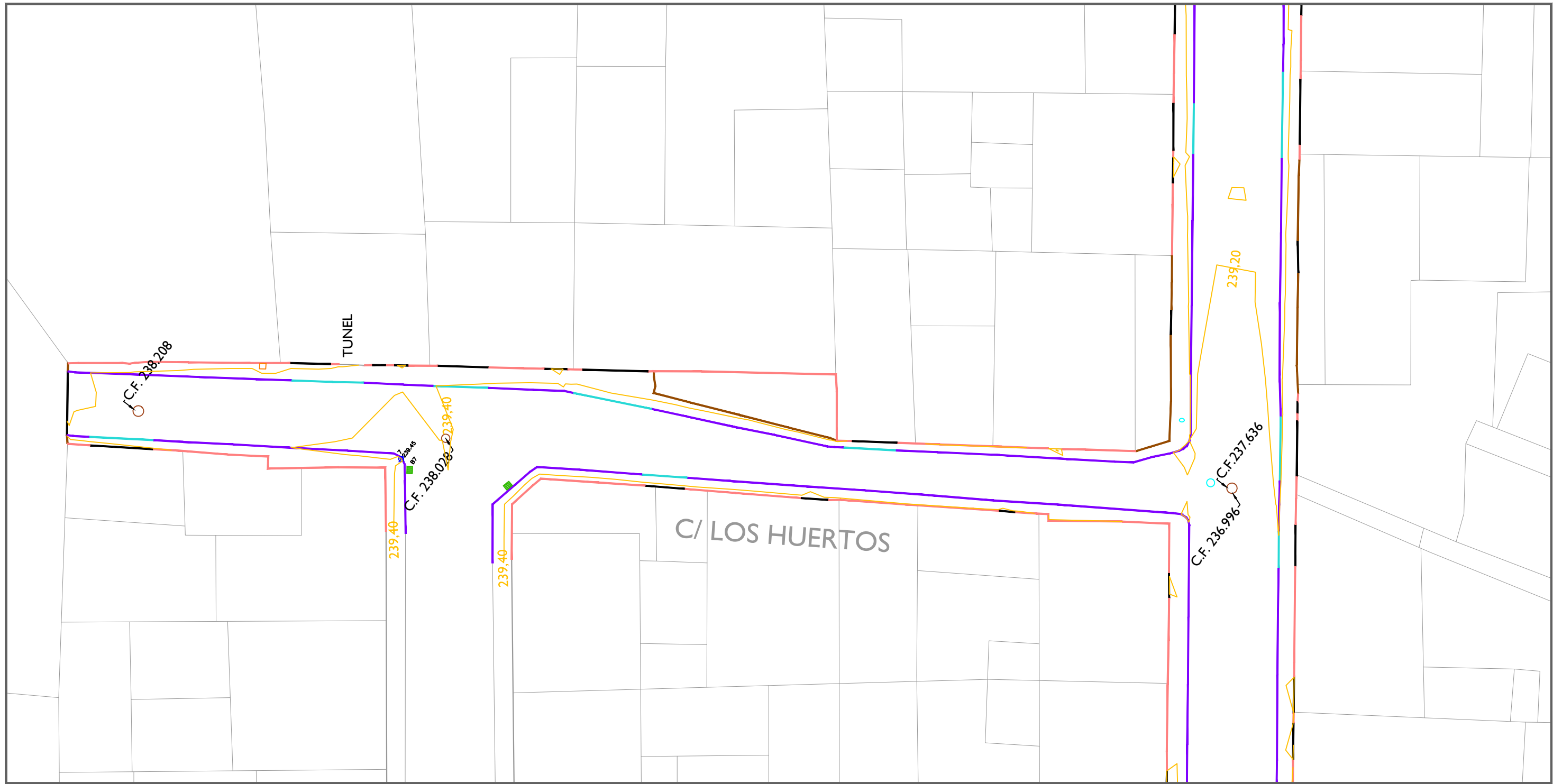


LEYENDA

- REBAJE BORDILLO PARA ACCESO
- BORDE EXTERIOR ACERA
- BORDILLO
- CONTENEDORES
- BORDE EDIFICACIÓN
- MURO O CERRAMIENTO EXTERIOR
- PUERTA
- RÍGOLA
- CURVA DE NIVEL CADA 20 cm
- CURVA DE NIVEL MAESTRA
- POSTE
- REGISTRO DE ABASTECIMIENTO
- REGISTRO DE SANEAMIENTO
- REGISTRO
- REGISTRO ACEQUIA
- IMBORNAL
- ⬇ 239.56
B1 BASE DE REPLANTEO
- ACE 237.791 COTA DE FONDO ACEQUIA
- C.F. 235.578 COTA DE FONDO POZO

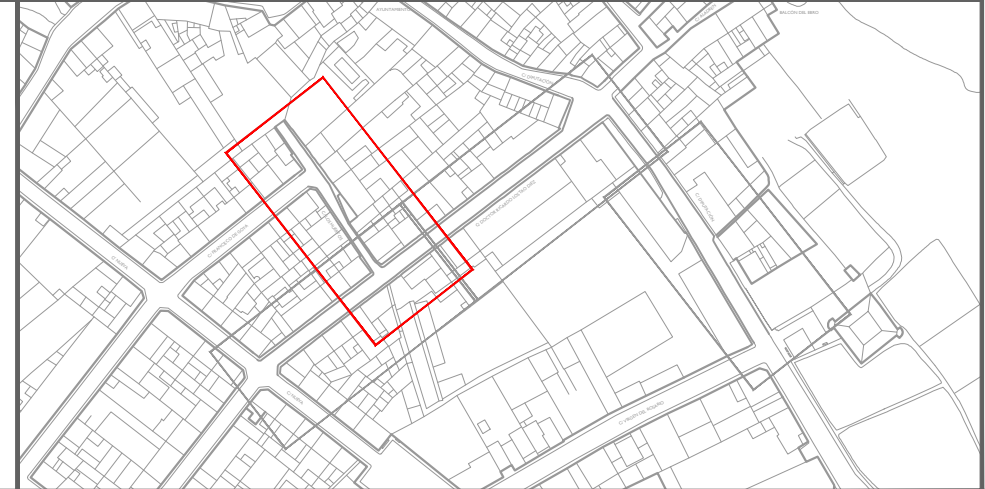


<p>PROYECTO DE EJECUCIÓN PARA LAS OBRAS DE URBANIZACIÓN DE LAS CALLES RICARDO LOSTAO, HUERTOS Y DIPUTACIÓN DEL MUNICIPIO DE NOVILLAS</p>	<p>Localización NOVILLAS (ZARAGOZA)</p>	<p>Redactor</p>  <p>XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX Ingeniero de Caminos, Canales y Puertos XXXXXX CICCPC</p>	<p>Promotor</p>  <p>AYUNTAMIENTO DE NOVILLAS</p>	<p>Escala 1:250</p>	<p>Plano PLANO TOPOGRÁFICO</p>	<p>Plano nº NOV-A03</p>
	<p>Fecha OCTUBRE 2021</p>			<p>Norte</p> 		



LEYENDA

- | | | |
|-----------------------------|----------------------------|-----------------------|
| REBAJE BORDILLO PARA ACCESO | RÍGOLA | REGISTRO ACEQUIA |
| BORDE EXTERIOR ACERA | CURVA DE NIVEL CADA 20 cm | IMBORNAL |
| BORDILLO | CURVA DE NIVEL MAESTRA | BASE DE REPLANTEO |
| CONTENEDORES | POSTE | COTA DE FONDO ACEQUIA |
| BORDE EDIFICACIÓN | REGISTRO DE ABASTECIMIENTO | COTA DE FONDO POZO |
| MURO O CERRAMIENTO EXTERIOR | REGISTRO DE SANEAMIENTO | |
| PUERTA | REGISTRO | |

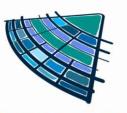


PROYECTO DE EJECUCIÓN PARA LAS OBRAS DE URBANIZACIÓN DE LAS CALLES RICARDO LOSTAO, HUERTOS Y DIPUTACIÓN DEL MUNICIPIO DE NOVILLAS

Localización
NOVILLAS (ZARAGOZA)

Fecha
OCTUBRE 2021

Redactor



XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Ingeniero de Caminos, Canales y Puertos
XXXXXX CICCIP

AYUNTAMIENTO DE NOVILLAS

Promotor



AYUNTAMIENTO DE NOVILLAS

Escala
1:250

Norte



Plano
PLANO TOPOGRÁFICO

Plano nº
NOV-A03

Hoja 04 de 04