

ANEJO

CARTOGRAFÍA, TOPOGRAFÍA Y REPLANTEO

1.- CARTOGRAFÍA Y TOPOGRAFÍA.

Para la redacción del presente “PROYECTO DE REFORMA INTEGRAL DE CALLE CUARTE. TRAMO: PLAZA DE LAS CANTERAS Y C/ALICANTE – C/CABAÑERA. ZARAGOZA” se ha tomado como referencia la cartografía base disponible en el visor de descargas de cartografía 1:500 del Ayuntamiento de Zaragoza.

Para complementar la cartografía de base se ha realizado un levantamiento topográfico “in situ” de la totalidad del ámbito de actuación, así como de los espacios urbanos consolidados adyacentes.

El levantamiento topográfico se ha referenciado a las coordenadas absolutas UTM ETRS89 basándose en las reseñas de los vértices existentes en el área de emplazamiento facilitados por el Servicio de Información Geográfica del Ayuntamiento de Zaragoza.

Los citados trabajos han consistido en la toma de datos “in situ” para posterior definición de los perfiles longitudinales y transversales de viario, así como la obtención de la planta topográfica del estado actual del viario. Se ha creado un modelo digital de terreno, mediante triangulación, a partir de los puntos tomados del levantamiento, para poder realizar los cálculos y mediciones correspondientes.

Se han identificado puntos de terreno así como la totalidad de puntos singulares y significativos existentes en el área de actuación y su entorno: bordillos, ríoglas, caces, sumideros, delimitación de distintos pavimentos, bolardos, alcorques y especies arbóreas, muros, barandillas, elementos de mobiliario urbano, postes, farolas, semáforos, arquetas, pozos de registro, señalización, umbrales, etc. También se han ubicado los contenedores de residuos urbanos, zonas de carga - descarga y señalización horizontal actual.

En el plano de estado actual se reflejan la totalidad de los puntos topográficos anteriormente indicados.

2.- BASES DE REPLANTEO.

Se ha creado una red de bases de replanteo propia tomando como referencia los clavos de la red municipal. Las nuevas bases de replanteo se reflejan en el plano de estado actual. A continuación, se adjunta el listado de las citadas bases:

LISTADO DE BASES DE REPLANTEO UTM ETRS89

Nombre	Coordenada X	Coordenada Y	Coordenada Z
BR-1	676.055,333	4.611.028,617	243,153
BR-2	676.004,160	4.611.013,979	244,862
BR-3	675.996,453	4.611.024,753	244,786
BR-4	675.975,190	4.611.014,281	245,798
BR-5	675.902,947	4.610.983,181	248,006
BR-6	675.881,097	4.610.947,098	249,606

LISTADO DE CLAVOS MUNICIPALES UTM ETRS89

Nombre	Coordenada X	Coordenada Y	Coordenada Z
34756	676.063,747	4.610.986,291	244,538
34752	675.917,747	4.610.984,306	247,727
34751	675.916,017	4.610.993,396	247,317

3.- LISTADO DE PUNTOS.

Se adjunta el listado de puntos del levantamiento topográfico efectuado en el ámbito de actuación, en el sistema de coordenadas UTM ETRS89.

Nº	X	Y	Z	Código
1	676.057,252	4.611.013,514	243,477	FACHADA
2	676.057,786	4.611.014,660	243,433	ALUMBRADO PUBLICO
3	676.058,266	4.611.015,002	243,423	ALUMBRADO PUBLICO
4	676.057,963	4.611.015,496	243,425	ALUMBRADO PUBLICO
5	676.057,454	4.611.015,171	243,440	ALUMBRADO PUBLICO
6	676.052,716	4.611.019,361	243,526	FACHADA
7	676.048,819	4.611.024,378	243,579	FACHADA
8	676.049,052	4.611.025,951	243,542	ALUMBRADO PUBLICO
9	676.048,617	4.611.026,362	243,541	ALUMBRADO PUBLICO
10	676.049,025	4.611.026,780	243,517	ALUMBRADO PUBLICO
11	676.049,459	4.611.026,389	243,516	ALUMBRADO PUBLICO
12	676.059,215	4.611.014,865	243,396	BORDILLO
13	676.055,278	4.611.021,032	243,410	BORDILLO
14	676.052,872	4.611.024,814	243,422	BORDILLO
15	676.052,107	4.611.025,514	243,446	BORDILLO
16	676.051,238	4.611.026,074	243,470	BORDILLO
17	676.050,303	4.611.026,533	243,487	BORDILLO
18	676.049,315	4.611.026,852	243,514	BORDILLO
19	676.048,290	4.611.027,027	243,525	BORDILLO
20	676.047,247	4.611.027,101	243,507	BORDILLO
21	676.046,714	4.611.027,162	243,504	BORDILLO
22	676.042,752	4.611.025,994	243,646	BORDILLO
23	676.041,579	4.611.023,916	243,716	BORDILLO
24	676.045,756	4.611.026,040	243,524	TELEFONICA
25	676.045,889	4.611.025,553	243,560	TELEFONICA
26	676.046,440	4.611.025,888	243,542	TELEFONICA
27	676.062,342	4.611.016,883	243,102	BORDILLO
28	676.061,319	4.611.018,451	242,952	SUMIDERO
29	676.061,119	4.611.018,839	242,957	SUMIDERO
30	676.060,897	4.611.018,707	242,980	SUMIDERO
31	676.061,089	4.611.018,351	242,985	SUMIDERO
32	676.059,323	4.611.022,181	243,112	BORDILLO
33	676.056,916	4.611.026,408	243,110	BORDILLO
34	676.056,212	4.611.027,520	243,116	BORDILLO
35	676.055,190	4.611.028,613	243,144	BORDILLO
36	676.054,370	4.611.029,296	243,175	BORDILLO
37	676.053,591	4.611.029,869	243,209	BORDILLO
38	676.052,683	4.611.030,423	243,237	BORDILLO
39	676.051,732	4.611.030,818	243,273	BORDILLO
40	676.051,364	4.611.030,864	243,147	SUMIDERO
41	676.051,258	4.611.030,585	243,161	SUMIDERO
42	676.050,878	4.611.030,732	243,163	SUMIDERO
43	676.050,987	4.611.030,999	243,157	SUMIDERO
44	676.050,620	4.611.031,147	243,315	BORDILLO
45	676.049,565	4.611.031,421	243,352	BORDILLO
46	676.048,203	4.611.031,546	243,370	BORDILLO
47	676.047,162	4.611.031,596	243,399	BORDILLO
48	676.046,145	4.611.031,507	243,387	BORDILLO

Nº	X	Y	Z	Código
49	676.044,766	4.611.031,194	243,342	BORDILLO
50	676.043,115	4.611.030,733	243,382	BORDILLO
51	676.041,682	4.611.030,415	243,539	BORDILLO
52	676.039,054	4.611.031,719	243,558	BORDILLO
53	676.039,948	4.611.030,896	243,436	SUMIDERO
54	676.040,329	4.611.030,706	243,439	SUMIDERO
55	676.040,445	4.611.030,969	243,425	SUMIDERO
56	676.040,074	4.611.031,135	243,439	SUMIDERO
57	676.039,816	4.611.029,515	243,513	TRAMPILLON ABASTEC.
58	676.039,862	4.611.030,202	243,492	RED SANEAMIENTO
59	676.039,984	4.611.030,743	243,453	RED SANEAMIENTO
60	676.040,020	4.611.030,430	243,481	RED SANEAMIENTO
61	676.044,181	4.611.033,469	243,461	RED GAS
62	676.044,575	4.611.033,541	243,464	RED GAS
63	676.044,493	4.611.033,933	243,477	RED GAS
64	676.044,108	4.611.033,851	243,476	RED GAS
65	676.049,315	4.611.034,654	243,295	RED GAS
66	676.049,392	4.611.034,361	243,301	RED GAS
67	676.049,659	4.611.034,383	243,292	RED GAS
68	676.049,573	4.611.034,685	243,310	RED GAS
69	676.052,212	4.611.034,161	243,217	RED GAS
70	676.052,414	4.611.033,823	243,213	RED GAS
71	676.052,742	4.611.034,009	243,208	RED GAS
72	676.052,546	4.611.034,348	243,213	RED GAS
73	676.056,583	4.611.034,309	243,018	RED GAS
74	676.056,969	4.611.033,754	243,011	RED GAS
75	676.057,116	4.611.034,697	242,969	RED GAS
76	676.057,547	4.611.034,169	242,968	RED GAS
77	676.057,610	4.611.033,567	242,976	RED GAS
78	676.058,104	4.611.033,916	242,945	RED GAS
79	676.058,453	4.611.033,440	242,942	RED GAS
80	676.057,969	4.611.033,096	242,977	RED GAS
81	676.072,285	4.611.031,267	242,356	RED SANEAMIENTO
82	676.072,354	4.611.031,730	242,363	RED SANEAMIENTO
83	676.072,846	4.611.031,507	242,359	RED SANEAMIENTO
84	676.056,832	4.611.032,612	243,064	BACULO ALUMBRADO
85	676.054,844	4.611.035,685	243,066	RED GAS
86	676.054,562	4.611.035,509	243,091	RED GAS
87	676.054,362	4.611.035,813	243,093	RED GAS
88	676.054,651	4.611.036,000	243,073	RED GAS
89	676.055,889	4.611.032,335	243,111	ALUMBRADO PUBLICO
90	676.055,436	4.611.032,020	243,129	ALUMBRADO PUBLICO
91	676.055,785	4.611.031,529	243,117	ALUMBRADO PUBLICO
92	676.056,223	4.611.031,852	243,097	ALUMBRADO PUBLICO
93	676.057,133	4.611.031,812	243,083	MURETE JARDIN
94	676.061,788	4.611.024,422	243,093	MURETE JARDIN
95	676.043,294	4.611.022,930	243,705	ENTRADA
96	676.040,885	4.611.022,285	243,764	ENTRADA

Nº	X	Y	Z	Código
97	676.042,097	4.611.022,595	243,939	COTA UMBRAL
98	676.035,421	4.611.020,813	243,927	FACHADA
99	676.032,503	4.611.020,023	244,004	ENTRADA
100	676.031,701	4.611.019,781	244,034	COTA UMBRAL
101	676.031,107	4.611.019,642	244,033	ENTRADA
102	676.020,902	4.611.016,931	244,371	FACHADA
103	676.008,776	4.611.013,707	244,757	FACHADA
104	675.999,546	4.611.011,266	245,056	ENTRADA
105	675.998,710	4.611.011,041	245,082	ENTRADA
106	675.999,145	4.611.011,117	245,091	COTA UMBRAL
107	675.999,636	4.611.011,717	245,043	RED GAS
108	675.999,721	4.611.011,348	245,050	RED GAS
109	676.000,095	4.611.011,467	245,047	RED GAS
110	676.000,025	4.611.011,813	245,029	RED GAS
111	675.999,740	4.611.012,901	245,000	BORDILLO
112	676.007,353	4.611.014,915	244,754	BORDILLO
113	676.015,170	4.611.016,962	244,501	BORDILLO
114	676.023,032	4.611.019,035	244,244	BORDILLO
115	676.024,577	4.611.018,423	244,229	VALVULA ACOMETIDA
116	676.024,630	4.611.018,235	244,232	VALVULA ACOMETIDA
117	676.024,798	4.611.018,270	244,225	VALVULA ACOMETIDA
118	676.024,738	4.611.018,472	244,224	VALVULA ACOMETIDA
119	676.028,568	4.611.020,495	244,069	BORDILLO
120	676.033,502	4.611.020,882	243,966	RED GAS
121	676.032,151	4.611.021,433	243,966	BORDILLO
122	676.039,426	4.611.023,340	243,780	BORDILLO
123	676.055,122	4.611.036,157	243,042	FACHADA
124	676.054,634	4.611.036,076	243,076	ENTRADA
125	676.053,687	4.611.035,897	243,145	ENTRADA
126	676.054,143	4.611.036,010	243,219	COTA UMBRAL
127	676.049,956	4.611.035,252	243,302	ENTRADA
128	676.046,375	4.611.034,510	243,424	ENTRADA
129	676.048,186	4.611.034,921	243,521	COTA UMBRAL
130	676.045,898	4.611.034,427	243,430	ENTRADA
131	676.044,412	4.611.034,117	243,489	ENTRADA
132	676.045,149	4.611.034,346	243,618	COTA UMBRAL
133	676.042,728	4.611.033,803	243,520	FACHADA
134	676.037,553	4.611.032,831	243,650	ENTRADA
135	676.036,365	4.611.032,572	243,690	ENTRADA
136	676.036,980	4.611.032,765	243,914	COTA UMBRAL
137	676.035,251	4.611.032,384	243,718	ENTRADA
138	676.031,346	4.611.031,673	243,814	ENTRADA
139	676.033,175	4.611.032,039	243,786	COTA UMBRAL
140	676.031,121	4.611.031,557	243,829	RED GAS
141	676.031,202	4.611.031,180	243,806	RED GAS
142	676.030,820	4.611.031,115	243,810	RED GAS
143	676.030,740	4.611.031,484	243,825	RED GAS
144	676.030,673	4.611.031,118	243,816	ARQUETA ??

Nº	X	Y	Z	Código
145	676.030,315	4.611.031,044	243,823	ARQUETA ??
146	676.030,371	4.611.030,669	243,814	ARQUETA ??
147	676.030,739	4.611.030,747	243,805	ARQUETA ??
148	676.030,853	4.611.030,145	243,781	BORDILLO
149	676.024,480	4.611.028,936	243,943	BORDILLO
150	676.024,243	4.611.029,929	243,973	RED GAS
151	676.024,638	4.611.030,011	243,968	RED GAS
152	676.024,555	4.611.030,375	243,972	RED GAS
153	676.024,167	4.611.030,335	243,983	RED GAS
154	676.024,008	4.611.030,325	243,990	ENTRADA
155	676.022,529	4.611.030,055	244,030	ENTRADA
156	676.023,234	4.611.030,211	244,263	COTA UMBRAL
157	676.023,317	4.611.028,590	243,964	BORDILLO
158	676.021,627	4.611.029,970	244,045	ENTRADA
159	676.016,740	4.611.029,188	244,170	ENTRADA
160	676.019,305	4.611.029,581	244,269	COTA UMBRAL
161	676.016,365	4.611.027,662	244,153	BORDILLO
162	676.016,994	4.611.028,660	244,147	ARQUETA ??
163	676.017,574	4.611.028,735	244,127	ARQUETA ??
164	676.017,495	4.611.029,278	244,150	ARQUETA ??
165	676.016,895	4.611.029,222	244,165	ARQUETA ??
166	676.015,612	4.611.029,032	244,201	ENTRADA
167	676.014,315	4.611.028,850	244,242	ENTRADA
168	676.014,979	4.611.028,974	244,243	COTA UMBRAL
169	676.013,804	4.611.028,267	244,223	RED GAS
170	676.014,196	4.611.028,327	244,212	RED GAS
171	676.014,136	4.611.028,728	244,234	RED GAS
172	676.013,749	4.611.028,672	244,246	RED GAS
173	676.011,124	4.611.028,359	244,319	ENTRADA
174	676.009,905	4.611.028,185	244,352	ENTRADA
175	676.010,465	4.611.028,304	244,362	COTA UMBRAL
176	676.007,767	4.611.026,373	244,382	BORDILLO
177	676.006,935	4.611.027,787	244,460	ENTRADA
178	676.005,996	4.611.027,600	244,471	ENTRADA
179	676.006,416	4.611.027,748	244,627	COTA UMBRAL
180	676.003,699	4.611.027,296	244,547	ENTRADA
181	676.002,606	4.611.027,102	244,587	ENTRADA
182	676.003,121	4.611.027,217	244,559	COTA UMBRAL
183	675.999,919	4.611.025,211	244,663	BORDILLO
184	676.021,413	4.611.028,406	244,021	BORDILLO
185	676.019,353	4.611.028,104	244,076	BORDILLO
186	676.000,218	4.611.026,682	244,688	RED GAS
187	676.000,295	4.611.026,271	244,667	RED GAS
188	675.999,910	4.611.026,220	244,679	RED GAS
189	675.999,828	4.611.026,587	244,697	RED GAS
190	675.999,538	4.611.026,640	244,714	ENTRADA
191	675.998,240	4.611.026,428	244,748	ENTRADA
192	675.998,917	4.611.026,530	244,726	COTA UMBRAL

Nº	X	Y	Z	Código
193	675.997,318	4.611.026,293	244,789	RED ABASTECIMIENTO
194	675.997,682	4.611.026,342	244,772	RED ABASTECIMIENTO
195	675.997,743	4.611.026,005	244,765	RED ABASTECIMIENTO
196	675.997,386	4.611.025,956	244,786	RED ABASTECIMIENTO
197	675.997,406	4.611.024,770	244,596	SUMIDERO
198	675.996,918	4.611.024,656	244,622	SUMIDERO
199	675.995,211	4.611.024,506	244,828	BORDILLO
200	675.996,247	4.611.026,149	244,826	ENTRADA
201	675.991,919	4.611.025,478	244,978	ENTRADA
202	675.994,108	4.611.025,838	244,977	COTA UMBRAL
203	675.989,035	4.611.025,035	245,102	FACHADA
204	675.995,104	4.611.019,964	244,841	TRAMPILLON ABASTEC.
205	675.990,052	4.611.023,714	245,017	BORDILLO
206	675.989,539	4.611.023,669	245,039	BORDILLO
207	675.989,050	4.611.023,634	245,041	BORDILLO
208	675.988,479	4.611.023,669	245,055	BORDILLO
209	675.987,540	4.611.023,831	245,072	BORDILLO
210	675.984,879	4.611.024,235	245,129	BORDILLO
211	675.983,513	4.611.024,400	245,203	BORDILLO
212	675.998,384	4.611.019,293	244,790	RED SANEAMIENTO
213	675.998,157	4.611.018,785	244,823	RED SANEAMIENTO
214	675.998,768	4.611.018,737	244,802	RED SANEAMIENTO
215	676.044,335	4.611.033,502	250,421	CRUCE AEREO
216	676.044,418	4.611.032,374	250,438	CRUCE AEREO
217	676.044,661	4.611.024,251	250,128	CRUCE AEREO
218	675.944,570	4.611.027,198	245,882	RED SANEAMIENTO
219	675.944,570	4.611.026,676	245,888	RED SANEAMIENTO
220	675.945,082	4.611.026,899	245,871	RED SANEAMIENTO
221	675.935,753	4.611.028,283	245,930	RED SANEAMIENTO
222	675.935,290	4.611.028,627	245,929	RED SANEAMIENTO
223	675.935,266	4.611.028,080	245,942	RED SANEAMIENTO
224	675.988,574	4.611.025,169	245,126	ENTRADA
225	675.987,181	4.611.025,333	245,147	ENTRADA
226	675.987,858	4.611.025,290	245,281	COTA UMBRAL
227	675.986,831	4.611.025,364	245,160	RED GAS
228	675.987,213	4.611.025,289	245,151	RED GAS
229	675.987,151	4.611.024,913	245,129	RED GAS
230	675.986,779	4.611.024,960	245,141	RED GAS
231	675.985,538	4.611.024,927	245,155	RED ABASTECIMIENTO
232	675.985,265	4.611.024,969	245,155	RED ABASTECIMIENTO
233	675.985,298	4.611.025,247	245,172	RED ABASTECIMIENTO
234	675.985,579	4.611.025,221	245,173	RED ABASTECIMIENTO
235	675.985,322	4.611.025,643	245,208	ENTRADA
236	675.982,161	4.611.026,069	245,257	ENTRADA
237	675.983,751	4.611.025,841	245,253	COTA UMBRAL
238	675.983,276	4.611.024,530	245,166	BORDILLO
239	675.979,957	4.611.025,184	245,231	RED GAS
240	675.979,581	4.611.025,265	245,237	RED GAS

Nº	X	Y	Z	Código
241	675.979,623	4.611.025,642	245,245	RED GAS
242	675.980,034	4.611.025,584	245,239	RED GAS
243	675.978,721	4.611.026,502	245,295	ENTRADA
244	675.977,805	4.611.026,631	245,311	ENTRADA
245	675.978,245	4.611.026,569	245,601	COTA UMBRAL
246	675.977,168	4.611.025,651	245,229	RED GAS
247	675.977,252	4.611.026,228	245,281	RED GAS
248	675.976,676	4.611.026,296	245,248	RED GAS
249	675.976,590	4.611.025,740	245,187	RED GAS
250	675.977,517	4.611.025,435	245,260	BORDILLO
251	675.976,368	4.611.025,598	245,142	BORDILLO
252	675.973,547	4.611.026,060	245,202	BORDILLO
253	675.971,732	4.611.026,327	245,383	BORDILLO
254	675.973,879	4.611.026,452	245,250	ARQUETA ??
255	675.973,816	4.611.026,218	245,222	ARQUETA ??
256	675.974,022	4.611.026,193	245,215	ARQUETA ??
257	675.974,069	4.611.026,421	245,240	ARQUETA ??
258	675.974,475	4.611.027,176	245,332	ENTRADA
259	675.972,681	4.611.027,452	245,390	ENTRADA
260	675.973,606	4.611.027,347	245,545	COTA UMBRAL
261	675.972,730	4.611.027,021	245,362	RED GAS
262	675.972,343	4.611.027,083	245,373	RED GAS
263	675.972,401	4.611.027,469	245,396	RED GAS
264	675.972,788	4.611.027,396	245,380	RED GAS
265	675.971,365	4.611.027,644	245,437	FACHADA
266	675.971,101	4.611.026,431	245,396	BORDILLO
267	675.970,444	4.611.019,414	245,665	BORDILLO
268	675.971,907	4.611.019,209	245,512	BORDILLO
269	675.973,943	4.611.018,854	245,501	BORDILLO
270	675.974,458	4.611.018,718	245,544	BORDILLO
271	675.974,908	4.611.018,408	245,611	BORDILLO
272	675.975,293	4.611.018,059	245,671	BORDILLO
273	675.975,588	4.611.017,626	245,719	BORDILLO
274	675.975,900	4.611.016,965	245,743	BORDILLO
275	675.975,993	4.611.016,207	245,767	BORDILLO
276	675.975,897	4.611.015,469	245,791	BORDILLO
277	675.975,594	4.611.014,772	245,812	BORDILLO
278	675.975,308	4.611.014,331	245,798	BORDILLO
279	675.974,894	4.611.013,933	245,751	BORDILLO
280	675.974,530	4.611.013,733	245,726	BORDILLO
281	675.972,132	4.611.012,893	245,773	BORDILLO
282	675.970,681	4.611.012,428	245,925	BORDILLO
283	675.974,332	4.611.014,049	245,771	RED GAS
284	675.974,873	4.611.014,221	245,784	RED GAS
285	675.974,685	4.611.014,779	245,836	RED GAS
286	675.974,137	4.611.014,590	245,823	RED GAS
287	675.975,184	4.611.015,183	245,816	RED GAS
288	675.975,761	4.611.015,371	245,786	RED GAS

Nº	X	Y	Z	Código
289	675.975,553	4.611.015,930	245,791	RED GAS
290	675.975,011	4.611.015,744	245,807	RED GAS
291	675.975,320	4.611.016,064	245,786	RED GAS
292	675.975,884	4.611.016,250	245,769	RED GAS
293	675.975,699	4.611.016,806	245,752	RED GAS
294	675.975,133	4.611.016,625	245,766	RED GAS
295	675.970,279	4.611.018,237	245,703	FACHADA
296	675.973,136	4.611.017,689	245,672	FACHADA
297	675.973,358	4.611.014,917	245,851	FACHADA
298	675.966,708	4.611.012,650	246,020	FACHADA
299	675.973,302	4.611.015,567	245,850	ENTRADA
300	675.973,180	4.611.016,969	245,749	ENTRADA
301	675.973,248	4.611.016,397	245,948	COTA UMBRAL
302	675.971,156	4.611.023,051	245,419	EJE CALLE
303	675.978,896	4.611.021,643	245,315	EJE CALLE
304	675.987,880	4.611.020,232	245,083	EJE CALLE
305	675.996,200	4.611.019,624	244,847	EJE CALLE
306	676.003,624	4.611.019,856	244,642	EJE CALLE
307	676.010,536	4.611.021,205	244,431	EJE CALLE
308	676.018,296	4.611.022,909	244,198	EJE CALLE
309	676.027,112	4.611.024,790	243,970	EJE CALLE
310	676.035,353	4.611.026,528	243,737	EJE CALLE
311	676.042,070	4.611.028,226	243,520	EJE CALLE
312	676.046,503	4.611.029,070	243,405	EJE CALLE
313	676.050,077	4.611.028,828	243,311	EJE CALLE
314	676.052,666	4.611.027,911	243,217	EJE CALLE
315	676.054,218	4.611.026,671	243,180	EJE CALLE
316	675.986,157	4.611.013,112	245,338	EJE CALLE
317	675.996,118	4.611.016,346	244,956	EJE CALLE
318	675.963,927	4.611.011,695	246,061	FACHADA
319	675.962,480	4.611.011,162	246,100	ENTRADA
320	675.959,678	4.611.010,176	246,156	ENTRADA
321	675.961,050	4.611.010,669	246,165	COTA UMBRAL
322	675.962,944	4.611.009,780	246,087	BORDILLO
323	675.954,565	4.611.006,903	246,255	BORDILLO
324	675.956,753	4.611.007,525	246,063	SUMIDERO
325	675.957,163	4.611.007,675	246,052	SUMIDERO
326	675.956,855	4.611.007,246	246,064	SUMIDERO
327	675.957,262	4.611.007,400	246,051	SUMIDERO
328	675.957,613	4.611.009,507	246,214	ENTRADA
329	675.954,804	4.611.008,534	246,287	ENTRADA
330	675.956,304	4.611.009,017	246,327	COTA UMBRAL
331	675.950,488	4.611.006,542	246,365	RED GAS
332	675.950,109	4.611.006,414	246,371	RED GAS
333	675.949,989	4.611.006,793	246,386	RED GAS
334	675.950,373	4.611.006,924	246,376	RED GAS
335	675.949,705	4.611.006,763	246,422	ENTRADA
336	675.947,577	4.611.006,032	246,429	ENTRADA

Nº	X	Y	Z	Código
337	675.948,625	4.611.006,432	246,430	COTA UMBRAL
338	675.948,876	4.611.006,315	246,396	TOMA DE AGUA
339	675.949,007	4.611.005,950	246,380	TOMA DE AGUA
340	675.949,414	4.611.006,094	246,389	TOMA DE AGUA
341	675.949,248	4.611.006,442	246,397	TOMA DE AGUA
342	675.943,686	4.611.003,170	246,487	BORDILLO
343	675.945,755	4.611.005,417	246,469	ENTRADA
344	675.942,938	4.611.004,437	246,526	ENTRADA
345	675.944,440	4.611.005,013	246,557	COTA UMBRAL
346	675.937,297	4.611.002,479	246,669	FACHADA
347	675.937,812	4.611.001,460	246,612	INCENDIOS
348	675.937,882	4.611.001,412	246,609	INCENDIOS
349	675.937,870	4.611.001,327	246,608	INCENDIOS
350	675.937,730	4.611.001,300	246,614	INCENDIOS
351	675.937,638	4.611.001,358	246,616	INCENDIOS
352	675.937,661	4.611.001,401	246,615	INCENDIOS
353	675.938,281	4.611.001,297	246,592	BORDILLO
354	675.937,226	4.611.000,922	246,630	BORDILLO
355	675.935,412	4.611.000,195	246,673	BORDILLO
356	675.933,615	4.610.999,392	246,728	BORDILLO
357	675.930,052	4.610.997,571	246,875	BORDILLO
358	675.928,208	4.610.996,647	246,936	BORDILLO
359	675.926,832	4.610.996,025	246,988	BORDILLO
360	675.925,074	4.610.995,595	247,038	BORDILLO
361	675.925,804	4.610.996,426	247,026	RED GAS
362	675.926,191	4.610.996,541	247,018	RED GAS
363	675.926,081	4.610.996,926	247,033	RED GAS
364	675.925,684	4.610.996,822	247,038	RED GAS
365	675.926,879	4.610.997,258	247,010	ENTRADA
366	675.928,445	4.610.998,071	246,954	ENTRADA
367	675.927,643	4.610.997,715	247,024	COTA UMBRAL
368	675.930,633	4.610.999,194	246,871	ENTRADA
369	675.932,167	4.610.999,920	246,809	ENTRADA
370	675.931,390	4.610.999,593	246,886	COTA UMBRAL
371	675.924,280	4.610.995,800	247,063	RED ABASTECIMIENTO
372	675.924,191	4.610.996,151	247,075	RED ABASTECIMIENTO
373	675.923,827	4.610.996,063	247,087	RED ABASTECIMIENTO
374	675.923,925	4.610.995,690	247,077	RED ABASTECIMIENTO
375	675.918,640	4.610.987,540	247,423	RED SANEAMIENTO
376	675.918,874	4.610.987,035	247,437	RED SANEAMIENTO
377	675.919,272	4.610.987,516	247,406	RED SANEAMIENTO
378	675.918,258	4.610.989,354	247,423	EJE CALLE
379	675.928,396	4.610.992,681	246,984	EJE CALLE
380	675.938,635	4.610.996,642	246,601	EJE CALLE
381	675.950,088	4.611.000,653	246,325	EJE CALLE
382	675.957,185	4.611.003,055	246,180	EJE CALLE
383	675.958,768	4.611.003,764	246,121	RED SANEAMIENTO
384	675.958,918	4.611.003,176	246,124	RED SANEAMIENTO

Nº	X	Y	Z	Código
385	675.959,367	4.611.003,631	246,092	RED SANEAMIENTO
386	675.964,301	4.611.005,657	246,013	EJE CALLE
387	675.971,485	4.611.008,234	245,842	EJE CALLE
388	675.978,705	4.611.010,615	245,645	EJE CALLE
389	675.998,744	4.611.012,625	245,029	BORDILLO
390	675.996,809	4.611.012,063	245,091	BORDILLO
391	675.995,731	4.611.011,692	245,128	BORDILLO
392	675.993,829	4.611.011,033	245,193	BORDILLO
393	675.987,637	4.611.008,912	245,396	BORDILLO
394	675.984,101	4.611.007,675	245,504	BORDILLO
395	675.983,972	4.611.007,667	245,414	BORDILLO
396	675.980,378	4.611.006,429	245,513	BORDILLO
397	675.980,252	4.611.006,336	245,646	BORDILLO
398	675.978,753	4.611.005,823	245,686	BORDILLO
399	675.977,267	4.611.005,326	245,599	BORDILLO
400	675.975,351	4.611.004,658	245,658	BORDILLO
401	675.973,625	4.611.004,020	245,884	BORDILLO
402	675.968,824	4.611.002,384	245,970	BORDILLO
403	676.024,093	4.611.017,828	244,256	ENTRADA
404	676.026,869	4.611.018,567	244,160	ENTRADA
405	676.025,620	4.611.018,211	244,202	COTA UMBRAL
406	676.035,534	4.611.021,742	243,901	ARQUETA ??
407	676.035,432	4.611.022,111	243,895	ARQUETA ??
408	676.035,823	4.611.022,216	243,881	ARQUETA ??
409	676.035,914	4.611.021,831	243,889	ARQUETA ??
410	675.997,521	4.611.010,725	245,111	ENTRADA
411	675.994,446	4.611.009,668	245,224	ENTRADA
412	675.996,134	4.611.010,222	245,318	COTA UMBRAL
413	675.993,649	4.611.009,382	245,260	ENTRADA
414	675.992,309	4.611.008,880	245,315	ENTRADA
415	675.992,990	4.611.009,078	245,407	COTA UMBRAL
416	675.990,932	4.611.009,242	245,318	RED GAS
417	675.990,866	4.611.009,410	245,314	RED GAS
418	675.991,043	4.611.009,492	245,310	RED GAS
419	675.991,116	4.611.009,313	245,313	RED GAS
420	675.989,177	4.611.008,119	245,397	TOMA DE AGUA
421	675.989,057	4.611.008,486	245,375	TOMA DE AGUA
422	675.988,699	4.611.008,375	245,384	TOMA DE AGUA
423	675.988,829	4.611.008,011	245,398	TOMA DE AGUA
424	675.990,559	4.611.008,353	245,344	ENTRADA
425	675.985,609	4.611.006,646	245,499	ENTRADA
426	675.988,638	4.611.007,656	245,571	COTA UMBRAL
427	675.989,312	4.611.009,273	245,360	VALLA
428	675.986,909	4.611.008,408	245,433	VALLA
429	675.984,494	4.611.007,579	245,517	VALLA
430	675.984,409	4.611.006,208	245,552	ENTRADA
431	675.980,856	4.611.004,987	245,684	ENTRADA
432	675.982,834	4.611.005,641	245,607	COTA UMBRAL

Nº	X	Y	Z	Código
433	675.980,086	4.611.005,532	245,662	ARQUETA ??
434	675.980,467	4.611.005,651	245,657	ARQUETA ??
435	675.980,332	4.611.006,048	245,648	ARQUETA ??
436	675.979,972	4.611.005,907	245,659	ARQUETA ??
437	675.978,895	4.611.005,756	245,693	RED GAS
438	675.979,088	4.611.005,198	245,714	RED GAS
439	675.978,527	4.611.005,002	245,705	RED GAS
440	675.978,330	4.611.005,580	245,674	RED GAS
441	675.976,981	4.611.003,670	245,765	FACHADA
442	675.973,901	4.611.002,628	245,891	ENTRADA
443	675.971,521	4.611.001,823	245,934	ENTRADA
444	675.971,911	4.611.001,933	246,129	COTA UMBRAL
445	675.972,759	4.611.002,189	245,933	COTA UMBRAL
446	675.973,554	4.611.002,498	246,124	COTA UMBRAL
447	675.968,395	4.611.000,706	246,023	FACHADA
448	675.965,405	4.610.999,677	246,109	ENTRADA
449	675.962,808	4.610.998,786	246,164	ENTRADA
450	675.964,132	4.610.999,212	246,132	COTA UMBRAL
451	675.961,944	4.611.000,023	246,134	BORDILLO
452	675.960,767	4.610.999,731	246,004	SUMIDERO
453	675.960,358	4.610.999,628	246,019	SUMIDERO
454	675.960,593	4.610.999,960	246,003	SUMIDERO
455	675.960,181	4.610.999,831	246,021	SUMIDERO
456	675.958,225	4.610.997,374	246,277	RED ABASTECIMIENTO
457	675.958,567	4.610.997,477	246,275	RED ABASTECIMIENTO
458	675.958,440	4.610.997,825	246,265	RED ABASTECIMIENTO
459	675.958,121	4.610.997,694	246,268	RED ABASTECIMIENTO
460	675.957,521	4.610.997,033	246,287	ENTRADA
461	675.956,237	4.610.996,560	246,309	ENTRADA
462	675.956,946	4.610.996,734	246,533	COTA UMBRAL
463	675.956,003	4.610.997,979	246,274	BORDILLO
464	675.955,708	4.610.996,589	246,317	RED GAS
465	675.955,571	4.610.996,977	246,306	RED GAS
466	675.955,980	4.610.997,109	246,298	RED GAS
467	675.956,079	4.610.996,719	246,307	RED GAS
468	675.955,548	4.610.996,316	246,331	ENTRADA
469	675.954,051	4.610.995,804	246,354	ENTRADA
470	675.954,802	4.610.996,042	246,338	COTA UMBRAL
471	675.949,661	4.610.995,782	246,433	BORDILLO
472	675.940,340	4.610.992,600	246,668	BORDILLO
473	675.939,751	4.610.992,419	246,599	BORDILLO
474	675.934,741	4.610.990,684	246,793	BORDILLO
475	675.933,998	4.610.990,437	246,906	BORDILLO
476	675.927,118	4.610.988,045	247,232	BORDILLO
477	675.924,526	4.610.987,138	247,343	BORDILLO
478	675.921,686	4.610.986,170	247,474	BORDILLO
479	675.920,710	4.610.985,830	247,524	BORDILLO
480	675.919,625	4.610.985,415	247,585	BORDILLO

Nº	X	Y	Z	Código
481	675.918,575	4.610.984,885	247,649	BORDILLO
482	675.917,708	4.610.984,409	247,704	BORDILLO
483	675.917,026	4.610.983,920	247,741	BORDILLO
484	675.916,814	4.610.983,819	247,691	BORDILLO
485	675.915,141	4.610.982,307	247,823	BORDILLO
486	675.913,226	4.610.980,414	247,990	BORDILLO
487	675.913,148	4.610.980,332	248,105	BORDILLO
488	675.919,459	4.610.985,448	247,443	SUMIDERO
489	675.919,876	4.610.985,627	247,429	SUMIDERO
490	675.919,766	4.610.985,812	247,410	SUMIDERO
491	675.919,384	4.610.985,681	247,426	SUMIDERO
492	675.920,084	4.610.983,773	247,659	FACHADA
493	675.923,255	4.610.985,212	247,460	FACHADA
494	675.926,520	4.610.986,343	247,324	FACHADA
495	675.927,983	4.610.986,838	247,257	ENTRADA
496	675.930,421	4.610.987,671	247,144	ENTRADA
497	675.929,212	4.610.987,167	247,336	COTA UMBRAL
498	675.933,606	4.610.988,779	246,990	FACHADA
499	675.935,802	4.610.989,521	246,888	ENTRADA
500	675.939,573	4.610.990,788	246,780	ENTRADA
501	675.937,759	4.610.990,170	246,838	COTA UMBRAL
502	675.935,481	4.610.990,100	246,878	ARQUETA ??
503	675.935,885	4.610.990,257	246,871	ARQUETA ??
504	675.935,739	4.610.990,605	246,862	ARQUETA ??
505	675.935,371	4.610.990,492	246,872	ARQUETA ??
506	675.933,990	4.610.989,659	246,945	RED GAS
507	675.934,158	4.610.989,725	246,942	RED GAS
508	675.934,233	4.610.989,546	246,939	RED GAS
509	675.934,031	4.610.989,479	246,946	RED GAS
510	675.940,411	4.610.991,117	246,753	ENTRADA
511	675.943,770	4.610.992,296	246,616	ENTRADA
512	675.942,099	4.610.991,678	246,801	COTA UMBRAL
513	675.944,909	4.610.993,185	246,575	RED ABASTECIMIENTO
514	675.945,027	4.610.992,838	246,590	RED ABASTECIMIENTO
515	675.945,391	4.610.992,939	246,577	RED ABASTECIMIENTO
516	675.945,267	4.610.993,325	246,568	RED ABASTECIMIENTO
517	675.945,313	4.610.993,335	246,570	RED GAS
518	675.945,425	4.610.992,940	246,578	RED GAS
519	675.945,813	4.610.993,091	246,567	RED GAS
520	675.945,659	4.610.993,449	246,557	RED GAS
521	675.945,773	4.610.992,959	246,580	ENTRADA
522	675.947,032	4.610.993,408	246,563	ENTRADA
523	675.946,372	4.610.993,180	246,730	COTA UMBRAL
524	675.948,272	4.610.993,868	246,528	ENTRADA
525	675.950,123	4.610.994,518	246,522	ENTRADA
526	675.949,253	4.610.994,178	246,523	COTA UMBRAL
527	675.905,510	4.610.982,397	247,934	RED SANEAMIENTO
528	675.905,856	4.610.981,918	247,981	RED SANEAMIENTO

Nº	X	Y	Z	Código
529	675.906,156	4.610.982,443	247,942	RED SANEAMIENTO
530	675.903,578	4.610.983,075	247,812	SUMIDERO
531	675.903,770	4.610.983,479	247,800	SUMIDERO
532	675.903,489	4.610.983,622	247,784	SUMIDERO
533	675.903,296	4.610.983,207	247,808	SUMIDERO
534	675.902,905	4.610.984,521	247,927	RED GAS
535	675.902,966	4.610.984,916	247,917	RED GAS
536	675.902,555	4.610.984,975	247,937	RED GAS
537	675.902,520	4.610.984,589	247,950	RED GAS
538	675.902,398	4.610.984,503	247,967	FACHADA
539	675.903,298	4.610.983,458	247,968	BORDILLO
540	675.903,477	4.610.983,910	247,937	BORDILLO
541	675.903,595	4.610.984,486	247,915	BORDILLO
542	675.903,854	4.610.986,167	247,826	BORDILLO
543	675.902,526	4.610.982,420	248,045	BORDILLO
544	675.900,335	4.610.979,803	248,270	BORDILLO
545	675.897,932	4.610.977,483	248,529	BORDILLO
546	675.894,365	4.610.974,039	248,915	BORDILLO
547	675.890,178	4.610.970,039	249,102	BORDILLO
548	675.885,995	4.610.966,020	249,275	BORDILLO
549	675.884,526	4.610.967,283	249,329	FACHADA
550	675.887,895	4.610.970,503	249,191	ENTRADA
551	675.889,186	4.610.971,743	249,152	ENTRADA
552	675.888,489	4.610.971,102	249,327	COTA UMBRAL
553	675.892,536	4.610.974,962	249,008	FACHADA
554	675.895,372	4.610.977,422	248,731	TOMA DE AGUA
555	675.895,646	4.610.977,143	248,714	TOMA DE AGUA
556	675.895,912	4.610.977,419	248,695	TOMA DE AGUA
557	675.895,665	4.610.977,680	248,709	TOMA DE AGUA
558	675.897,348	4.610.979,187	248,491	RED GAS
559	675.897,439	4.610.979,094	248,486	RED GAS
560	675.897,534	4.610.979,164	248,481	RED GAS
561	675.897,441	4.610.979,263	248,487	RED GAS
562	675.897,510	4.610.979,748	248,466	FACHADA
563	675.899,078	4.610.981,263	248,296	ENTRADA
564	675.900,485	4.610.982,652	248,156	ENTRADA
565	675.899,766	4.610.982,023	248,286	COTA UMBRAL
566	675.900,701	4.610.982,853	248,135	ENTRADA
567	675.901,931	4.610.984,079	248,012	ENTRADA
568	675.901,288	4.610.983,492	248,270	COTA UMBRAL
569	675.880,541	4.610.963,470	249,522	FACHADA
570	675.879,628	4.610.962,617	249,554	ENTRADA
571	675.898,693	4.610.972,631	248,712	EJE CALLE
572	675.902,693	4.610.976,604	248,444	EJE CALLE
573	675.909,079	4.610.983,097	247,941	EJE CALLE
574	675.913,107	4.610.986,553	247,685	EJE CALLE
575	675.915,782	4.610.988,227	247,533	EJE CALLE
576	675.959,583	4.611.009,297	253,681	CRUCE AEREO

Nº	X	Y	Z	Código
577	675.962,205	4.610.999,039	253,952	CRUCE AEREO
578	675.913,885	4.611.031,765	246,070	RED SANEAMIENTO
579	675.913,774	4.611.031,190	246,098	RED SANEAMIENTO
580	675.914,382	4.611.031,341	246,078	RED SANEAMIENTO
581	675.924,336	4.610.996,631	247,081	ENTRADA
582	675.921,994	4.610.996,028	247,166	ENTRADA
583	675.923,316	4.610.996,411	247,183	COTA UMBRAL
584	675.920,068	4.610.994,304	247,177	BORDILLO
585	675.916,117	4.610.993,301	247,303	BORDILLO
586	675.915,596	4.610.993,236	247,327	BORDILLO
587	675.913,603	4.610.993,498	247,336	BORDILLO
588	675.913,114	4.610.993,767	247,353	BORDILLO
589	675.912,100	4.610.994,629	247,358	BORDILLO
590	675.911,696	4.610.995,298	247,338	BORDILLO
591	675.911,490	4.610.995,773	247,316	BORDILLO
592	675.911,197	4.610.996,773	247,271	BORDILLO
593	675.916,247	4.610.994,553	247,335	FACHADA
594	675.915,801	4.610.994,634	247,350	FACHADA
595	675.915,613	4.610.994,783	247,359	ENTRADA
596	675.914,216	4.610.996,048	247,361	ENTRADA
597	675.915,028	4.610.995,321	247,396	COTA UMBRAL
598	675.912,515	4.610.997,626	247,293	FACHADA
599	675.911,279	4.610.997,732	247,237	BORDILLO
600	675.909,747	4.611.007,204	246,715	RED SANEAMIENTO
601	675.910,009	4.611.006,601	246,723	RED SANEAMIENTO
602	675.910,360	4.611.007,024	246,714	RED SANEAMIENTO
603	675.904,445	4.610.997,009	247,327	FACHADA
604	675.904,370	4.610.996,501	247,339	ENTRADA
605	675.903,867	4.610.993,560	247,467	ENTRADA
606	675.904,073	4.610.994,954	247,569	COTA UMBRAL
607	675.904,405	4.610.990,379	247,616	RED GAS
608	675.904,314	4.610.989,796	247,637	RED GAS
609	675.903,730	4.610.989,890	247,647	RED GAS
610	675.903,820	4.610.990,474	247,621	RED GAS
611	675.903,381	4.610.990,472	247,633	ENTRADA
612	675.902,891	4.610.987,535	247,785	ENTRADA
613	675.903,113	4.610.989,026	247,825	COTA UMBRAL
614	675.905,726	4.610.997,772	247,251	BORDILLO
615	675.904,781	4.610.992,068	247,519	BORDILLO
616	675.903,742	4.610.985,451	247,863	BORDILLO
617	675.917,799	4.610.982,337	247,906	FACHADA
618	675.917,506	4.610.982,134	247,947	ENTRADA
619	675.914,667	4.610.979,665	248,132	ENTRADA
620	675.916,095	4.610.980,836	248,052	COTA UMBRAL
621	675.914,349	4.610.979,463	248,146	FACHADA
622	675.910,667	4.610.975,941	248,447	ENTRADA
623	675.909,562	4.610.974,887	248,573	ENTRADA
624	675.910,130	4.610.975,418	248,667	COTA UMBRAL

Nº	X	Y	Z	Código
625	675.906,815	4.610.972,252	248,770	ENTRADA
626	675.905,894	4.610.971,375	248,803	ENTRADA
627	675.906,398	4.610.971,798	248,972	COTA UMBRAL
628	675.906,142	4.610.972,477	248,751	TOMA DE AGUA
629	675.906,410	4.610.972,206	248,752	TOMA DE AGUA
630	675.906,130	4.610.971,957	248,763	TOMA DE AGUA
631	675.905,874	4.610.972,193	248,763	TOMA DE AGUA
632	675.905,387	4.610.971,668	248,794	RED GAS
633	675.905,664	4.610.971,387	248,796	RED GAS
634	675.905,374	4.610.971,110	248,816	RED GAS
635	675.905,081	4.610.971,387	248,815	RED GAS
636	675.902,529	4.610.968,139	248,990	ENTRADA
637	675.900,252	4.610.966,010	249,072	ENTRADA
638	675.901,360	4.610.966,988	249,092	COTA UMBRAL
639	675.899,210	4.610.964,998	249,139	ENTRADA
640	675.897,837	4.610.963,684	249,190	ENTRADA
641	675.898,581	4.610.964,316	249,346	COTA UMBRAL
642	675.896,646	4.610.962,536	249,252	ENTRADA
643	675.894,870	4.610.960,831	249,315	ENTRADA
644	675.895,779	4.610.961,618	249,403	COTA UMBRAL
645	675.893,791	4.610.959,797	249,343	ENTRADA
646	675.892,571	4.610.958,615	249,389	ENTRADA
647	675.893,188	4.610.959,184	249,569	COTA UMBRAL
648	675.890,944	4.610.957,046	249,468	ENTRADA
649	675.889,572	4.610.955,690	249,531	ENTRADA
650	675.890,258	4.610.956,359	249,753	COTA UMBRAL
651	675.888,879	4.610.955,028	249,561	ENTRADA
652	675.887,495	4.610.953,687	249,639	ENTRADA
653	675.888,291	4.610.954,392	249,776	COTA UMBRAL
654	675.886,996	4.610.953,156	249,648	FACHADA
655	675.886,892	4.610.953,860	249,630	RED GAS
656	675.887,163	4.610.954,153	249,613	RED GAS
657	675.886,890	4.610.954,445	249,600	RED GAS
658	675.886,601	4.610.954,159	249,619	RED GAS
659	675.885,075	4.610.952,301	249,623	TELEFONICA
660	675.885,411	4.610.952,768	249,621	TELEFONICA
661	675.885,042	4.610.953,030	249,613	TELEFONICA
662	675.889,486	4.610.957,009	249,462	BORDILLO
663	675.893,334	4.610.960,800	249,299	BORDILLO
664	675.898,570	4.610.965,946	249,084	BORDILLO
665	675.903,428	4.610.970,759	248,863	BORDILLO
666	675.908,488	4.610.975,741	248,514	BORDILLO
667	675.911,731	4.610.978,918	248,220	BORDILLO
668	675.893,612	4.610.967,548	248,948	EJE CALLE
669	675.887,799	4.610.961,601	249,208	EJE CALLE
670	675.886,034	4.610.959,372	249,272	TRAMPILLON ABASTEC.
671	675.883,213	4.610.960,601	249,417	BORDILLO
672	675.883,282	4.610.963,408	249,370	BORDILLO

Nº	X	Y	Z	Código
673	675.882,446	4.610.959,895	249,363	BORDILLO
674	675.881,993	4.610.959,279	249,379	BORDILLO
675	675.881,465	4.610.958,382	249,403	BORDILLO
676	675.880,977	4.610.957,455	249,427	BORDILLO
677	675.880,558	4.610.956,523	249,449	BORDILLO
679	675.879,999	4.610.955,046	249,585	BORDILLO
680	675.879,724	4.610.954,045	249,608	BORDILLO
681	675.879,457	4.610.953,030	249,626	BORDILLO
682	675.879,076	4.610.952,035	249,643	BORDILLO
683	675.878,619	4.610.951,104	249,655	BORDILLO
684	675.878,066	4.610.950,213	249,683	BORDILLO
685	675.877,753	4.610.949,764	249,696	BORDILLO
686	675.876,691	4.610.948,636	249,724	BORDILLO
687	675.875,139	4.610.947,269	249,754	BORDILLO
688	675.873,624	4.610.945,916	249,803	BORDILLO
689	675.872,503	4.610.944,886	249,701	BORDILLO
690	675.870,987	4.610.943,514	249,751	BORDILLO
691	675.869,811	4.610.942,494	249,910	BORDILLO
692	675.868,296	4.610.941,135	249,964	BORDILLO
693	675.867,611	4.610.941,774	250,017	FACHADA
694	675.869,506	4.610.943,482	249,913	ENTRADA
695	675.870,237	4.610.944,161	249,857	ENTRADA
696	675.869,863	4.610.943,808	249,897	COTA UMBRAL
697	675.873,353	4.610.946,976	249,841	ENTRADA
698	675.874,067	4.610.947,627	249,823	ENTRADA
699	675.873,690	4.610.947,283	249,834	COTA UMBRAL
700	675.874,624	4.610.948,096	249,797	FACHADA
701	675.872,680	4.610.951,239	249,714	FACHADA
702	675.873,959	4.610.947,477	249,821	TOMA DE AGUA
703	675.874,252	4.610.947,734	249,813	TOMA DE AGUA
704	675.874,511	4.610.947,458	249,795	TOMA DE AGUA
705	675.874,224	4.610.947,186	249,805	TOMA DE AGUA
706	675.876,727	4.610.948,202	249,576	TRAMPILLON ABASTEC.
707	675.877,853	4.610.950,526	249,663	TRAMPILLON ABASTEC.
708	675.878,379	4.610.950,534	249,529	SUMIDERO
709	675.878,578	4.610.950,894	249,500	SUMIDERO
710	675.878,806	4.610.950,772	249,506	SUMIDERO
711	675.878,593	4.610.950,407	249,529	SUMIDERO
712	675.877,574	4.610.950,995	249,687	INCENDIOS
713	675.877,256	4.610.951,343	249,685	INCENDIOS
714	675.876,855	4.610.950,951	249,697	INCENDIOS
715	675.877,148	4.610.950,640	249,703	INCENDIOS
716	675.871,727	4.610.952,965	249,682	RED GAS
717	675.872,021	4.610.953,204	249,679	RED GAS
718	675.871,755	4.610.953,511	249,684	RED GAS
719	675.871,469	4.610.953,239	249,686	RED GAS
720	675.870,802	4.610.954,136	249,697	FACHADA
721	675.871,008	4.610.954,340	249,694	ENTRADA

Nº	X	Y	Z	Código
722	675.873,416	4.610.956,669	249,695	ENTRADA
723	675.872,233	4.610.955,552	249,702	COTA UMBRAL
724	675.874,518	4.610.956,968	249,668	TOMA DE AGUA
725	675.874,895	4.610.957,036	249,659	TOMA DE AGUA
726	675.874,818	4.610.957,420	249,667	TOMA DE AGUA
727	675.874,435	4.610.957,338	249,678	TOMA DE AGUA
728	675.874,434	4.610.957,626	249,683	ENTRADA
729	675.875,104	4.610.958,279	249,682	ENTRADA
730	675.874,749	4.610.957,953	249,840	COTA UMBRAL
731	675.875,303	4.610.958,280	249,673	RED GAS
732	675.875,598	4.610.957,978	249,662	RED GAS
733	675.875,876	4.610.958,244	249,658	RED GAS
734	675.875,598	4.610.958,532	249,669	RED GAS
735	675.876,351	4.610.957,615	249,638	RED GAS
736	675.876,627	4.610.957,333	249,621	RED GAS
737	675.876,335	4.610.957,052	249,627	RED GAS
738	675.876,063	4.610.957,339	249,643	RED GAS
739	675.876,611	4.610.959,734	249,643	ENTRADA
740	675.878,188	4.610.961,332	249,628	COTA UMBRAL
741	675.877,039	4.610.957,269	249,617	BOLARDO
742	675.878,352	4.610.955,899	249,589	BOLARDO
743	675.878,568	4.610.953,788	249,633	BOLARDO
744	675.877,931	4.610.952,097	249,662	BOLARDO
745	675.876,924	4.610.950,536	249,709	BOLARDO
746	675.875,900	4.610.949,424	249,744	BOLARDO
747	675.886,743	4.610.957,000	249,508	BORDILLO
748	675.885,981	4.610.956,242	249,528	BORDILLO
749	675.885,392	4.610.955,402	249,555	BORDILLO
750	675.884,894	4.610.954,493	249,565	BORDILLO
751	675.884,573	4.610.953,476	249,582	BORDILLO
752	675.884,438	4.610.952,449	249,606	BORDILLO
753	675.884,395	4.610.951,929	249,610	BORDILLO
754	675.884,427	4.610.950,384	249,500	BORDILLO
755	675.884,567	4.610.949,345	249,506	BORDILLO
756	675.884,990	4.610.948,387	249,521	BORDILLO
757	675.885,318	4.610.947,984	249,568	BORDILLO
758	675.885,737	4.610.947,643	249,625	BORDILLO
759	675.886,205	4.610.947,371	249,679	BORDILLO
760	675.886,691	4.610.947,196	249,680	BORDILLO
761	675.887,178	4.610.947,144	249,697	BORDILLO
762	675.887,689	4.610.947,137	249,701	BORDILLO
763	675.887,303	4.610.952,375	249,676	ENTRADA
764	675.888,040	4.610.950,659	249,691	ENTRADA
765	675.887,712	4.610.951,533	249,732	COTA UMBRAL
766	675.888,341	4.610.949,918	249,703	FACHADA
767	675.887,803	4.610.950,909	249,675	RED GAS
768	675.887,601	4.610.951,414	249,678	RED GAS
769	675.887,082	4.610.951,211	249,651	RED GAS

Nº	X	Y	Z	Código
770	675.887,306	4.610.950,690	249,659	RED GAS
771	675.887,810	4.610.950,894	249,679	RED GAS
772	675.889,355	4.610.946,546	249,593	RED SANEAMIENTO
773	675.889,788	4.610.947,017	249,588	RED SANEAMIENTO
774	675.889,857	4.610.946,534	249,602	RED SANEAMIENTO
775	675.883,907	4.610.945,025	249,778	BORDILLO
776	675.884,849	4.610.944,692	249,793	BORDILLO
777	675.885,848	4.610.944,443	249,805	BORDILLO
778	675.887,044	4.610.944,253	249,815	BORDILLO
779	675.883,001	4.610.945,542	249,673	BORDILLO
780	675.882,591	4.610.945,831	249,609	BORDILLO
781	675.881,875	4.610.946,514	249,597	BORDILLO
782	675.881,240	4.610.947,063	249,586	BORDILLO
783	675.880,786	4.610.947,267	249,584	BORDILLO
784	675.880,443	4.610.947,194	249,592	BORDILLO
785	675.880,018	4.610.946,946	249,671	BORDILLO
786	675.879,202	4.610.946,270	249,782	BORDILLO
787	675.875,700	4.610.943,226	249,881	BORDILLO
788	675.874,983	4.610.942,519	249,781	BORDILLO
789	675.874,745	4.610.942,080	249,771	BORDILLO
790	675.874,541	4.610.941,588	249,783	BORDILLO
791	675.874,437	4.610.941,056	249,801	BORDILLO
792	675.874,376	4.610.940,533	249,814	BORDILLO
793	675.874,546	4.610.939,514	249,849	BORDILLO
794	675.874,722	4.610.939,029	249,871	BORDILLO
795	675.874,976	4.610.938,577	249,941	BORDILLO
796	675.875,312	4.610.938,167	250,008	BORDILLO
797	675.876,173	4.610.937,590	250,086	BORDILLO
798	675.876,666	4.610.937,379	250,105	BORDILLO
799	675.877,673	4.610.937,152	250,139	BORDILLO
800	675.878,011	4.610.939,390	250,110	FACHADA
801	675.878,003	4.610.940,360	250,060	FACHADA
802	675.878,277	4.610.941,241	250,018	FACHADA
803	675.878,822	4.610.942,048	249,975	FACHADA
804	675.879,735	4.610.942,678	249,935	FACHADA
805	675.880,785	4.610.942,957	249,914	FACHADA
806	675.881,630	4.610.942,973	249,893	ENTRADA
807	675.883,227	4.610.943,007	249,868	ENTRADA
808	675.882,423	4.610.942,958	249,881	COTA UMBRAL
809	675.885,138	4.610.943,055	249,872	ENTRADA
810	675.886,928	4.610.943,126	249,861	ENTRADA
811	675.886,041	4.610.943,056	249,872	COTA UMBRAL
812	675.885,447	4.610.943,207	249,862	RED GAS
813	675.885,032	4.610.943,206	249,863	RED GAS
814	675.885,027	4.610.943,595	249,847	RED GAS
815	675.885,434	4.610.943,606	249,845	RED GAS
816	675.876,420	4.610.945,719	249,660	RED SANEAMIENTO
817	675.876,022	4.610.946,166	249,649	RED SANEAMIENTO

Nº	X	Y	Z	Código
818	675.876,640	4.610.946,187	249,649	RED SANEAMIENTO
819	676.053,221	4.610.993,965	244,469	RED SANEAMIENTO
820	676.052,807	4.610.994,315	244,457	RED SANEAMIENTO
821	676.053,370	4.610.994,423	244,440	RED SANEAMIENTO
822	676.108,430	4.611.031,219	241,397	RED SANEAMIENTO
823	676.107,975	4.611.031,510	241,381	RED SANEAMIENTO
824	676.107,849	4.611.031,038	241,379	RED SANEAMIENTO
825	676.064,736	4.611.019,838	243,007	MURETE JARDIN
826	676.061,109	4.611.015,338	243,149	EJE CALLE
827	676.058,908	4.611.019,145	243,130	EJE CALLE
828	676.056,015	4.611.023,569	243,152	EJE CALLE
829	676.054,988	4.611.025,245	243,159	EJE CALLE

5.- REPLANTEO DE EJES Y ALINEACIONES.

Se adjuntan a continuación los listados de replanteo de los ejes que definen la geometría del viario.

5.1.- REPLANTEO EN PLANTA.

EJE 1

Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Parámetro	Longitud
Rec	0	675.876,350	4.610.946,053	54,137	0	0	3,945
Cur	3,945	675.879,315	4.610.948,655	54,137	-9	0	5,018
Cur	8,963	675.881,995	4.610.952,821	18,640	10,5	0	5,369
Rec	14,332	675.884,764	4.610.957,353	51,193	0	0	23,743
Cur	38,075	675.901,864	4.610.973,825	51,193	-13,75	0	8,826
Rec	46,902	675.905,895	4.610.981,507	10,329	0	0	18,729
	65,63	675.908,920	4.610.999,990	10,329			

EJE 2

Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Parámetro	Longitud
Rec	0	675.906,729	4.610.986,602	78,966	0	0	6,971
Rec	6,971	675.913,323	4.610.988,864	78,960	0	0	88,469
Rec	95,44	675.997,005	4.611.017,573	83,441	0	0	3,342
Rec	98,782	676.000,234	4.611.018,432	83,441	0	0	40,128
Rec	138,91	676.039,012	4.611.028,753	83,441	0	0	5,099
Rec	144,009	676.043,940	4.611.030,064	96,082	0	0	3,787
Rec	147,796	676.047,720	4.611.030,297	126,930	0	0	6,947
Rec	154,743	676.054,054	4.611.027,446	163,314	0	0	3,819
Rec	158,562	676.056,135	4.611.024,244	167,048	0	0	23,243
	181,804	676.067,635	4.611.004,046	167,048			

EJE 3

Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Parámetro	Longitud
Rec	0	675.963,278	4.611.024,049	109,602	0	0	37,38
	37,38	676.000,234	4.611.018,432	109,602			

5.2.- REPLANTEO EN ALZADO.

PERFIL LONGITUDINAL EJE 1

Tipo	Distancia	C. Terreno	C. Rasante	C. Roja	Pendiente
V.	0,000	249,652	249,652	0,000	-0,0244
T.E.	18,066	249,278	249,210	-0,068	-0,0244
V.	24,397	249,103	249,029	-0,073	-0,0327
T.S.	30,728	248,910	248,796	-0,114	-0,0410
T.E.	36,914	248,693	248,542	-0,151	-0,0410
V.	40,000	248,541	248,391	-0,150	-0,0570
T.S.	43,086	248,325	248,190	-0,135	-0,0730
T.E.	52,640	247,737	247,492	-0,245	-0,0730
V.	54,912	247,620	247,356	-0,263	-0,0465
T.S.	57,184	247,511	247,281	-0,230	-0,0200
V.	65,630	247,112	247,112	0,000	-0,0200

PERFIL LONGITUDINAL EJE 2

Tipo	Distancia	C. Terreno	C. Rasante	C. Roja	Pendiente
V.	0,000	247,766	247,534	-0,232	0,0400
V.	4,562	247,637	247,717	0,080	0,0400
V.	20,000	247,095	247,017	-0,078	-0,0454
V.	40,000	246,505	246,431	-0,074	-0,0293
V.	60,000	246,035	245,969	-0,066	-0,0231
V.	80,000	245,495	245,345	-0,150	-0,0312
V.	100,000	244,738	244,732	-0,006	-0,0306
V.	120,000	244,126	244,096	-0,030	-0,0318
V.	139,998	243,528	243,534	0,006	-0,0281
V.	160,000	243,162	243,369	0,207	-0,0083
V.	181,804	243,253	243,253	0,000	-0,0053

PERFIL LONGITUDINAL EJE 3

Tipo	Distancia	C. Terreno	C. Rasante	C. Roja	Pendiente
V.	0,000	245,566	245,566	0,000	-0,0169
V.	1,800	245,536	245,536	0,000	-0,0169
V.	3,555	245,506	245,638	0,132	0,0581
T.E.	26,003	245,048	244,964	-0,084	-0,0300
V.	30,000	244,934	244,864	-0,070	-0,0200
T.S.	33,997	244,851	244,804	-0,047	-0,0100
V.	37,380	244,778	244,770	-0,008	-0,0100