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1. INTRODUCCIÓN

En el presente anexo, se describen los elementos básicos cartográficos utilizados y se desarrolla el estudio topográfico que nos permite definir la traza en planta y alzado del proyecto de “HUMANIZACIÓN DE LA RÚA CONCEPCIÓN ARENAL ENTRE RÚA JOSÉ TRASENDE Y RÚA REAL DO CANTODAREA. MARÍN.”.

2. CARTOGRAFÍA

Como elemento básico para el desarrollo del presente proyecto se utilizó la cartografía de la zona, facilitada en soporte magnético, por el Ayuntamiento de Marín a escala 1:1000, procedente de un vuelo fotogramétrico de julio de 2003.

Para la realización del Proyecto además de la visita al emplazamiento se ha utilizado, en sistema de coordenadas UTM.

3. TOPOGRAFÍA

Para poder realizar el diseño de las aceras e instalaciones del tramo de la calle Concepción Arenal, objeto de este documento, se ha realizado un levantamiento topográfico de detalle que determina la situación y elementos del estado actual de los viales, tanto aceras como calzadas, isletas, zonas verdes,..., y sirve de base para determinar los acuerdos entre las aceras existentes y las propuestas.

3.1. MÉTODO DE TRABAJO

Para la obtención de los datos topográficos, se ha usado estación total. La razón en cuanto al uso de este método de trabajo, es que es el más adecuado para esta tipología de trabajos, en los que no es operativo el GPS. Es necesario tomar numerosos datos en viales, tanto arquetas como elementos de mobiliario urbano.

El método de trabajo es por topografía clásica radiando todos los puntos necesarios para definir el entorno de la obra en planta y en alzado.

Se realiza el levantamiento topográfico en un sistema de coordenadas particulares y luego se inserta en la cartografía tanto en planta como en cota.

3.2. IMPLANTACIÓN BASES DE REPLANTEO

Se han materializado un total de diez (10) bases topográficas convenientemente localizadas, y reseñadas.

Este trabajo ha servido para comprobación de los datos obtenidos y de la precisión del sistema utilizado.

De las bases se proporciona reseña con croquis y fotografía en color con el número de orden correspondiente.

3.2.1. Cartografía

Todos los datos topográficos obtenidos, se tomaron mediante estación total Leica 1205.

El sistema de coordenadas utilizado ha sido UTM.

3.2.2. Equipos utilizados

Se han usado los siguientes equipos topográficos:

- 1.- Estación total Leica tcp 1205.
- 2.- Material auxiliar.
- 3.- Software de oficina:
 - 3.1.- Leica Survey Office
 - 3.2.- Leica Geo Office Combinado
 - 3.3.- MDT-TCP

3.3. LISTADOS BASES REPLANTEO

PUNTO	COORDENADAS X	COORDENADAS Y	COTA (m)
B1	525092.426	4693412.745	7.120
B2	525106.953	4693402.106	7.892
B3	525157.045	4693441.558	8.448
B4	525217.519	4693532.202	8.294
B5	525287.259	4693638.440	8.548
B6	525287.448	4693652.601	8.639
B7	525325.376	4693706.728	9.540
B8	525385.175	4693795.223	12.792
B9	525378.502	4693774.915	12.260
B10	525387.788	4693810.236	13.177

3.4. LISTADO DE PUNTOS

PTO.	COORD. X	COORD. Y	COTA (m)
1	525092.657	4693405.283	7.276 0
2	525085.971	4693403.490	7.371 0
3	525086.056	4693403.269	7.356 0
4	525086.350	4693402.414	7.346 0
5	525090.769	4693404.334	7.349 0
6	525091.126	4693404.863	7.318 0
7	525091.019	4693405.063	7.379 0
8	525091.093	4693405.088	7.377 0
9	525090.935	4693405.483	7.357 0
10	525090.564	4693405.338	7.355 0
11	525091.153	4693406.310	7.304 0
12	525090.761	4693404.717	7.414 0
13	525088.858	4693406.985	7.505 0
14	525091.964	4693407.689	7.377 0
15	525091.656	4693408.428	7.445 0
16	525092.384	4693408.773	7.378 0
17	525090.064	4693412.402	7.066 0
18	525090.851	4693412.744	7.058 0
19	525091.641	4693412.981	7.048 0
20	525091.341	4693413.778	6.949 0
21	525091.512	4693414.563	6.905 0
22	525084.642	4693418.840	6.469 0
23	525084.903	4693417.406	6.585 0
24	525085.776	4693415.582	6.722 0
25	525086.011	4693415.171	6.783 0
26	525086.918	4693413.373	6.963 0
27	525086.833	4693412.849	7.059 0
28	525087.310	4693412.610	6.948 0
29	525088.156	4693410.833	7.103 0
30	525088.428	4693410.199	7.157 0
31	525089.434	4693408.416	7.309 0
32	525082.443	4693400.950	7.286 0
33	525082.483	4693400.806	7.145 0
34	525086.336	4693402.394	7.328 0
35	525086.372	4693402.265	7.212 0
36	525086.934	4693402.470	7.232 0
37	525090.033	4693403.602	7.270 0
38	525090.658	4693404.059	7.284 0
39	525091.082	4693404.882	6.595 0
40	525091.005	4693405.014	6.635 0
41	525092.082	4693406.660	6.575 0
42	525091.958	4693406.702	6.650 0
43	525093.123	4693409.900	7.040 0
44	525092.981	4693409.931	7.195 0
45	525093.055	4693412.867	6.928 0
46	525092.926	4693412.805	7.067 0
47	525092.571	4693414.465	6.794 0
48	525092.438	4693414.399	6.968 0
49	525091.359	4693416.649	6.687 0
50	525091.223	4693416.567	6.810 0
51	525089.877	4693418.266	6.505 0
52	525089.795	4693418.155	6.660 0
53	525089.414	4693418.535	6.482 0
54	525089.353	4693418.403	6.628 0
55	525088.533	4693418.933	6.412 0
56	525086.754	4693419.665	6.316 0
57	525085.458	4693420.149	6.242 0
58	525084.600	4693420.472	6.185 0
59	525084.547	4693420.356	6.370 0
60	525074.864	4693424.206	5.773 0
61	525074.810	4693424.072	5.926 0
62	525073.116	4693422.327	6.146 0
63	525082.419	4693420.937	6.299 0
64	525083.632	4693418.649	6.475 0
65	525083.899	4693418.413	6.510 0
66	525089.334	4693407.497	7.417 0
67	525089.178	4693407.146	7.460 0
68	525089.368	4693418.421	6.621 0
69	525088.313	4693418.011	6.640 0
70	525084.976	4693419.251	6.444 0
71	525084.571	4693420.325	6.403 0
72	525085.000	4693420.884	6.200 0
73	525085.184	4693421.365	6.213 0
74	525089.688	4693419.055	6.450 0
75	525089.868	4693419.558	6.462 0
76	525090.421	4693418.248	6.511 0
77	525090.709	4693417.899	6.556 0

78	525093.996	4693426.649	6.378	0	117	525113.614	4693414.970	7.667	0
79	525093.624	4693426.794	6.370	0	118	525113.099	4693416.359	7.418	0
80	525092.343	4693426.159	6.357	0	119	525113.227	4693416.345	7.586	0
81	525092.172	4693425.672	6.378	0	120	525113.278	4693417.075	7.395	0
82	525087.655	4693427.938	6.164	0	121	525113.431	4693417.020	7.574	0
83	525087.544	4693427.527	6.132	0	122	525113.882	4693417.528	7.380	0
84	525093.985	4693425.480	6.349	0	123	525113.919	4693417.395	7.574	0
85	525093.610	4693424.706	6.392	0	124	525120.066	4693417.903	7.563	0
86	525094.845	4693424.187	6.438	0	125	525120.043	4693417.793	7.726	0
87	525099.591	4693414.924	7.064	0	126	525120.914	4693417.196	7.693	0
88	525099.753	4693414.835	7.216	0	127	525120.734	4693417.267	7.850	0
89	525099.411	4693410.923	7.172	0	128	525120.466	4693415.982	7.645	0
90	525099.542	4693410.988	7.345	0	129	525120.419	4693416.180	7.836	0
91	525103.163	4693408.709	7.466	0	130	525122.288	4693417.248	7.728	0
92	525103.160	4693408.884	7.645	0	131	525127.379	4693419.256	7.754	0
93	525106.322	4693410.436	7.503	0	132	525090.988	4693402.812	7.435	0
94	525106.202	4693410.519	7.661	0	133	525091.225	4693402.123	7.334	0
95	525106.673	4693414.623	7.336	0	134	525087.341	4693401.230	7.288	0
96	525106.553	4693414.574	7.539	0	135	525087.491	4693400.790	7.290	0
97	525103.390	4693416.860	7.164	0	136	525088.687	4693397.524	7.426	0
98	525103.508	4693416.692	7.326	0	137	525088.835	4693397.101	7.414	0
99	525103.472	4693417.086	7.180	0	138	525092.574	4693398.409	7.521	0
100	525099.083	4693414.618	7.116	0	139	525092.356	4693398.852	7.465	0
100	525099.083	4693414.618	7.116	0	140	525096.014	4693400.157	7.519	0
101	525099.945	4693409.817	7.290	0	141	525101.918	4693400.101	7.730	0
102	525112.775	4693411.638	7.619	0	142	525102.367	4693399.133	7.780	0
103	525112.904	4693411.405	7.612	0	143	525102.713	4693395.470	7.794	0
104	525113.141	4693411.517	7.645	0	144	525107.257	4693398.779	7.888	0
105	525113.182	4693411.299	7.654	0	145	525107.699	4693398.980	7.948	0
106	525113.021	4693414.375	7.524	0	146	525107.519	4693399.345	7.901	0
107	525112.490	4693416.836	7.352	0	147	525107.954	4693399.031	7.899	0
108	525111.620	4693418.497	7.276	0	148	525107.751	4693399.488	7.892	0
109	525115.646	4693418.574	7.366	0	149	525108.169	4693399.674	7.941	0
110	525120.319	4693419.152	7.517	0	150	525109.389	4693400.060	7.956	0
111	525124.933	4693420.089	7.542	0	151	525109.857	4693400.265	7.967	0
112	525114.208	4693413.191	7.603	0	152	525111.402	4693396.569	8.028	0
113	525114.227	4693413.373	7.794	0	153	525110.941	4693396.386	8.025	0
114	525113.655	4693413.718	7.555	0	154	525104.289	4693397.945	7.779	0
115	525113.809	4693413.736	7.746	0	155	525103.859	4693397.750	7.771	0
116	525113.478	4693414.967	7.509	0	156	525105.348	4693394.036	7.955	0

157	525105.813	4693394.228	7.997	0	203	525101.287	4693392.090	8.114	0
158	525115.403	4693394.552	8.196	0	204	525101.440	4693392.148	7.961	0
159	525115.554	4693394.644	8.283	0	205	525100.657	4693391.847	8.120	0
160	525115.599	4693394.925	8.301	0	206	525099.901	4693393.680	8.013	0
161	525114.593	4693396.511	8.084	0	207	525098.758	4693393.308	8.007	0
162	525113.400	4693399.425	8.048	0	208	525098.022	4693393.653	7.988	0
163	525113.099	4693400.054	8.042	0	209	525099.627	4693394.310	7.981	0
164	525113.273	4693400.156	8.155	0	210	525098.964	4693395.827	7.903	0
165	525112.726	4693401.571	8.001	0	211	525099.586	4693396.085	7.889	0
166	525112.880	4693401.597	8.153	0	212	525099.721	4693396.152	7.770	0
167	525113.234	4693403.341	7.996	0	213	525098.948	4693397.652	7.717	0
168	525113.353	4693403.241	8.132	0	214	525098.840	4693397.520	7.857	0
169	525114.462	4693404.750	7.908	0	215	525097.741	4693398.546	7.649	0
170	525114.496	4693404.758	8.180	0	216	525097.755	4693398.364	7.807	0
171	525117.109	4693406.153	8.044	0	217	525096.573	4693398.508	7.622	0
172	525117.156	4693406.024	8.133	0	218	525096.611	4693398.375	7.764	0
173	525118.896	4693407.076	8.143	0	219	525095.754	4693394.578	7.848	0
174	525120.486	4693407.769	8.054	0	220	525088.669	4693394.262	7.591	0
175	525120.630	4693407.608	8.160	0	221	525088.458	4693394.369	7.461	0
176	525128.001	4693411.477	8.174	0	222	525088.341	4693395.350	7.578	0
177	525113.275	4693404.445	7.964	0	223	525088.171	4693395.412	7.436	0
178	525112.838	4693404.254	7.955	0	224	525087.646	4693396.337	7.408	0
179	525113.011	4693403.826	7.978	0	225	525082.128	4693394.279	7.323	0
180	525114.287	4693403.537	8.054	0	226	525082.718	4693392.250	7.321	0
181	525114.765	4693403.869	8.212	0	227	525082.725	4693392.086	7.461	0
182	525115.067	4693403.222	8.147	0	228	525082.427	4693389.648	7.460	0
183	525113.808	4693402.533	8.028	0	229	525089.189	4693394.566	7.607	0
184	525113.607	4693402.050	8.028	0	230	525092.048	4693395.579	7.669	0
185	525113.559	4693401.891	8.090	0	231	525094.056	4693396.336	7.733	0
186	525113.314	4693401.758	8.126	0	232	525093.682	4693397.284	7.708	0
187	525113.487	4693401.486	8.054	0	233	525093.664	4693397.434	7.553	0
188	525113.426	4693401.111	8.212	0	234	525110.678	4693403.147	7.949	0
189	525113.188	4693400.689	7.877	0	235	525111.245	4693402.176	7.995	0
190	525113.286	4693400.368	8.050	0	236	525112.372	4693402.673	8.019	0
191	525118.149	4693404.660	8.111	0	237	525113.249	4693400.146	8.194	0
192	525118.773	4693404.409	8.020	0	238	525115.384	4693400.066	8.236	0
193	525118.368	4693404.958	8.303	0	239	525115.810	4693398.921	8.233	0
200	525100.862	4693388.384	8.295	0	240	525116.011	4693398.363	8.253	0
201	525102.581	4693389.045	8.280	0	241	525114.749	4693396.704	8.254	0
202	525102.737	4693389.100	8.053	0	242	525118.686	4693392.115	8.533	0

243	525116.467	4693392.656	8.430	0	283	525111.909	4693426.328	7.184	0
244	525116.345	4693392.640	8.309	0	284	525111.210	4693426.258	7.198	0
245	525115.992	4693399.383	8.234	0	285	525109.733	4693426.060	7.158	0
246	525116.408	4693400.097	8.345	0	286	525112.285	4693423.611	7.146	0
247	525116.577	4693400.738	8.234	0	287	525112.261	4693423.455	7.019	0
248	525117.413	4693402.669	8.217	0	288	525108.233	4693423.753	7.030	0
249	525119.523	4693403.533	8.237	0	289	525108.214	4693423.570	6.871	0
250	525122.635	4693405.305	8.287	0	290	525107.387	4693422.186	7.001	0
251	525127.026	4693407.814	8.400	0	291	525106.923	4693425.222	7.034	0
252	525127.184	4693407.788	8.501	0	292	525108.181	4693425.284	7.074	0
253	525129.064	4693408.975	8.457	0	293	525107.603	4693425.296	7.062	0
254	525130.270	4693409.884	8.479	0	294	525107.644	4693425.854	7.083	0
255	525126.566	4693409.542	8.383	0	295	525109.154	4693426.043	7.132	0
256	525128.228	4693410.501	8.425	0	296	525108.282	4693426.211	7.229	0
257	525128.385	4693410.701	8.435	0	297	525107.304	4693426.311	7.082	0
258	525128.505	4693411.566	8.277	0	298	525104.304	4693426.728	6.995	0
259	525130.801	4693411.780	8.488	0	299	525102.064	4693426.990	6.928	0
260	525130.995	4693412.728	8.500	0	300	525101.145	4693427.143	6.996	0
261	525130.905	4693412.824	8.338	0	301	525100.469	4693427.261	6.877	0
262	525131.615	4693427.956	7.505	0	302	525100.525	4693427.319	6.876	0
263	525131.550	4693428.109	7.630	0	303	525100.839	4693426.926	6.881	0
264	525129.907	4693430.376	7.668	0	304	525100.209	4693427.080	6.858	0
265	525129.008	4693429.967	7.745	0	305	525100.080	4693426.447	6.825	0
266	525128.272	4693429.627	7.634	0	306	525099.920	4693425.904	6.806	0
267	525127.487	4693426.253	7.367	0	307	525100.564	4693425.709	6.819	0
268	525127.406	4693426.411	7.534	0	308	525100.413	4693425.161	6.792	0
269	525124.476	4693428.269	7.522	0	309	525099.879	4693427.136	6.845	0
270	525123.951	4693426.748	7.475	0	310	525103.595	4693424.319	6.889	0
271	525121.320	4693424.604	7.378	0	311	525103.545	4693424.214	6.750	0
272	525121.308	4693424.468	7.249	0	312	525099.650	4693425.212	6.742	0
273	525120.225	4693425.274	7.370	0	313	525099.551	4693425.074	6.611	0
274	525119.684	4693427.143	7.401	0	314	525097.659	4693426.634	6.703	0
275	525116.746	4693426.822	7.319	0	315	525099.379	4693427.565	6.820	0
276	525116.226	4693426.490	7.300	0	316	525096.643	4693428.495	6.666	0
277	525116.049	4693425.102	7.272	0	317	525096.501	4693428.082	6.652	0
278	525116.323	4693423.831	7.252	0	318	525097.062	4693428.034	6.681	0
279	525116.329	4693423.710	7.116	0	319	525096.107	4693426.329	6.630	0
280	525115.989	4693426.788	7.295	0	320	525096.048	4693426.183	6.498	0
281	525113.377	4693426.498	7.251	0	321	525095.572	4693427.427	6.601	0
282	525112.780	4693426.172	7.237	0	322	525092.992	4693428.160	6.510	0

323	525092.807	4693427.628	6.488 0	363	525139.236	4693419.893	8.386 0
324	525092.741	4693427.503	6.441 0	364	525141.003	4693418.736	8.583 0
325	525089.623	4693429.462	6.372 0	365	525142.679	4693420.166	8.586 0
326	525089.395	4693428.897	6.357 0	366	525143.411	4693420.830	8.620 0
327	525089.332	4693428.744	6.260 0	367	525143.925	4693421.246	8.755 0
328	525092.314	4693430.130	6.465 0	368	525144.934	4693422.490	8.622 0
329	525091.419	4693430.464	6.430 0	369	525141.784	4693421.544	8.577 0
330	525091.905	4693430.425	6.506 0	370	525145.783	4693425.373	8.617 0
331	525080.439	4693434.570	5.975 0	371	525145.700	4693425.500	8.486 0
332	525081.297	4693431.991	6.024 0	372	525146.192	4693423.281	8.634 0
333	525081.278	4693431.848	5.867 0	373	525147.056	4693424.029	8.634 0
334	525081.206	4693431.592	5.918 0	374	525147.321	4693424.316	8.628 0
335	525089.563	4693426.912	6.340 0	375	525148.507	4693425.816	8.623 0
336	525089.272	4693426.150	6.371 0	376	525148.980	4693426.538	8.615 0
337	525090.521	4693425.691	6.430 0	377	525148.675	4693426.654	8.595 0
338	525093.874	4693425.448	6.509 0	378	525149.892	4693428.038	8.603 0
339	525093.559	4693424.649	6.541 0	379	525150.466	4693428.562	8.589 0
340	525095.094	4693424.905	6.566 0	380	525152.111	4693430.988	8.573 0
341	525137.176	4693415.526	8.527 0	381	525151.419	4693430.847	8.569 0
342	525137.044	4693415.373	8.718 0	382	525152.403	4693431.446	8.562 0
343	525138.034	4693416.229	8.595 0	383	525153.307	4693432.553	8.613 0
344	525140.029	4693417.884	8.610 0	384	525153.773	4693433.462	8.532 0
345	525136.601	4693417.357	8.517 0	385	525153.508	4693434.247	8.522 0
346	525136.474	4693417.445	8.363 0	386	525152.668	4693434.377	8.517 0
347	525135.091	4693418.909	8.253 0	387	525153.875	4693434.070	8.532 0
348	525130.079	4693415.427	8.198 0	388	525154.295	4693434.709	8.528 0
349	525119.842	4693409.794	8.046 0	389	525154.641	4693434.849	8.528 0
350	525122.301	4693417.202	7.713 0	390	525155.320	4693435.786	8.520 0
351	525127.375	4693419.283	7.797 0	391	525155.803	4693436.404	8.510 0
352	525127.337	4693418.871	7.835 0	392	525148.727	4693429.286	8.586 0
353	525126.627	4693420.721	7.675 0	393	525148.584	4693429.342	8.432 0
354	525131.657	4693421.546	7.893 0	394	525152.766	4693435.187	8.533 0
355	525131.384	4693422.506	7.817 0	395	525152.652	4693435.283	8.368 0
356	525137.725	4693425.930	7.991 0	396	525151.398	4693436.046	8.248 0
357	525141.724	4693424.559	8.321 0	397	525157.408	4693439.207	8.465 0
358	525145.210	4693428.059	8.333 0	398	525157.886	4693439.461	8.468 0
359	525140.306	4693418.409	8.565 0	399	525159.403	4693441.593	8.496 0
360	525140.764	4693419.029	8.568 0	400	525160.715	4693443.610	8.424 0
361	525140.047	4693419.078	8.551 0	401	525156.903	4693441.649	8.266 0
362	525139.424	4693419.811	8.558 0	402	525151.241	4693440.011	8.107 0

403	525145.898	4693433.528	8.092	0	443	525165.041	4693455.422	8.084	0
404	525140.779	4693428.576	8.039	0	444	525166.945	4693455.591	8.109	0
405	525149.954	4693448.301	8.000	0	445	525167.198	4693454.252	8.157	0
406	525150.641	4693449.351	8.083	0	446	525167.523	4693455.950	8.087	0
407	525151.411	4693450.610	8.006	0	447	525168.144	4693456.995	8.087	0
408	525152.143	4693450.996	7.969	0	448	525167.264	4693457.546	8.062	0
409	525150.571	4693446.848	7.945	0	449	525168.905	4693457.308	8.041	0
410	525150.694	4693446.734	7.835	0	450	525167.127	4693452.360	8.202	0
411	525143.847	4693439.358	7.976	0	451	525166.714	4693451.641	8.205	0
412	525144.311	4693438.843	7.957	0	452	525159.781	4693463.064	8.085	0
413	525144.765	4693439.411	7.969	0	453	525158.091	4693460.148	8.089	0
414	525145.879	4693440.197	7.931	0	454	525159.110	4693462.547	8.105	0
415	525146.093	4693440.889	7.955	0	455	525158.283	4693463.192	8.119	0
416	525146.057	4693440.043	7.934	0	456	525158.694	4693463.708	8.129	0
417	525146.193	4693439.955	7.771	0	457	525156.955	4693464.969	8.126	0
418	525146.633	4693439.684	7.845	0	458	525160.273	4693463.561	8.011	0
419	525140.627	4693436.729	7.933	0	459	525161.060	4693464.900	8.100	0
420	525144.385	4693437.684	7.912	0	460	525161.955	4693466.000	8.034	0
421	525144.563	4693437.559	7.812	0	461	525162.638	4693466.217	8.022	0
422	525138.024	4693434.982	7.865	0	462	525163.167	4693467.358	8.021	0
423	525134.017	4693432.484	7.742	0	463	525163.659	4693468.607	8.054	0
424	525134.352	4693429.582	7.685	0	464	525163.974	4693469.240	8.111	0
425	525134.456	4693429.482	7.553	0	465	525164.361	4693469.679	8.073	0
426	525140.070	4693433.428	7.848	0	466	525164.729	4693469.943	8.070	0
427	525140.145	4693433.336	7.730	0	467	525165.256	4693470.736	8.075	0
428	525157.639	4693459.795	8.091	0	468	525160.965	4693462.478	7.960	0
429	525157.577	4693459.648	8.059	0	469	525161.167	4693462.316	7.868	0
430	525157.823	4693458.548	8.013	0	470	525162.939	4693466.366	8.012	0
431	525158.318	4693458.279	7.994	0	471	525163.479	4693466.000	8.008	0
432	525158.452	4693458.146	7.911	0	472	525163.601	4693465.908	7.914	0
433	525158.345	4693459.062	7.985	0	473	525163.969	4693466.427	7.907	0
434	525158.965	4693458.344	7.911	0	474	525165.224	4693468.289	7.895	0
435	525160.106	4693457.886	7.933	0	475	525166.488	4693470.199	7.929	0
436	525161.354	4693457.753	7.994	0	476	525166.946	4693470.905	7.928	0
437	525160.018	4693459.939	7.958	0	477	525166.806	4693470.936	8.050	0
438	525160.368	4693459.739	7.936	0	478	525166.260	4693471.375	8.069	0
439	525160.037	4693461.833	7.977	0	479	525167.791	4693470.470	7.954	0
440	525160.908	4693461.461	7.925	0	480	525168.222	4693470.204	7.961	0
441	525161.150	4693462.232	7.862	0	481	525164.984	4693466.304	7.937	0
442	525157.543	4693454.012	7.906	0	482	525171.028	4693462.377	8.022	0

483	525171.464	4693462.135	8.018	0	523	525186.820	4693497.570	8.072	0
484	525174.169	4693466.147	8.022	0	524	525189.265	4693496.210	8.103	0
485	525171.026	4693469.121	8.040	0	525	525192.386	4693503.592	8.109	0
486	525163.819	4693458.471	8.033	0	526	525194.176	4693503.585	8.139	0
487	525165.926	4693472.200	8.123	0	527	525182.794	4693497.965	8.170	0
488	525166.547	4693473.243	8.167	0	528	525183.330	4693498.725	8.184	0
489	525167.278	4693474.110	8.099	0	529	525183.113	4693499.074	8.195	0
490	525168.104	4693475.359	8.119	0	530	525183.301	4693499.561	8.310	0
491	525169.803	4693479.389	8.127	0	531	525183.674	4693499.997	8.179	0
492	525168.701	4693473.885	8.094	0	532	525184.001	4693500.470	8.181	0
493	525168.845	4693473.763	7.956	0	533	525184.619	4693501.426	8.184	0
494	525171.372	4693481.732	8.138	0	534	525182.986	4693496.336	8.166	0
495	525171.750	4693482.495	8.309	0	535	525185.298	4693498.659	8.159	0
496	525172.207	4693483.006	8.130	0	536	525185.442	4693498.562	8.049	0
497	525172.999	4693484.102	8.123	0	537	525186.325	4693503.934	8.184	0
498	525174.331	4693486.020	8.130	0	538	525186.690	4693504.629	8.326	0
499	525175.096	4693483.389	8.107	0	539	525186.987	4693505.021	8.213	0
500	525175.142	4693483.137	7.976	0	540	525190.454	4693506.445	8.190	0
501	525175.315	4693487.522	8.124	0	541	525190.607	4693506.339	8.060	0
502	525176.687	4693489.697	8.291	0	542	525191.135	4693506.064	8.083	0
503	525178.478	4693492.151	8.164	0	543	525189.756	4693508.069	8.218	0
504	525177.734	4693490.764	8.206	0	544	525189.572	4693508.311	8.222	0
505	525177.985	4693491.143	8.181	0	545	525189.842	4693508.968	8.239	0
506	525177.923	4693487.581	8.114	0	546	525190.485	4693509.243	8.222	0
507	525177.959	4693487.377	7.979	0	547	525188.725	4693507.500	8.219	0
508	525178.140	4693486.804	7.966	0	548	525189.104	4693508.175	8.317	0
509	525178.481	4693486.552	7.992	0	549	525189.557	4693508.791	8.223	0
510	525178.663	4693487.964	7.999	0	550	525190.136	4693509.664	8.248	0
511	525182.082	4693485.580	8.069	0	551	525191.015	4693510.977	8.260	0
512	525178.674	4693492.206	8.162	0	552	525191.602	4693511.934	8.250	0
513	525178.869	4693492.279	8.166	0	553	525192.655	4693511.355	8.230	0
514	525178.966	4693492.440	8.162	0	554	525193.599	4693511.021	8.219	0
515	525179.116	4693492.824	8.160	0	555	525193.659	4693510.930	8.079	0
516	525178.988	4693492.808	8.177	0	556	525192.761	4693513.720	8.246	0
517	525179.890	4693494.453	8.303	0	557	525193.271	4693514.428	8.242	0
518	525180.694	4693495.529	8.180	0	558	525194.785	4693515.270	8.218	0
519	525180.220	4693492.147	8.147	0	559	525196.381	4693515.174	8.204	0
520	525182.606	4693494.682	8.142	0	560	525196.481	4693515.163	8.106	0
521	525182.786	4693494.615	8.007	0	561	525198.208	4693517.342	8.047	0
522	525184.178	4693493.640	8.052	0	562	525198.694	4693517.056	8.098	0

563	525195.275	4693517.386	8.280	0	603	525216.300	4693536.703	8.246	0
564	525195.862	4693518.454	8.324	0	604	525217.882	4693534.159	8.301	0
565	525196.615	4693519.449	8.284	0	605	525218.292	4693533.873	8.301	0
566	525197.829	4693520.596	8.264	0	606	525216.088	4693530.527	8.298	0
567	525197.618	4693520.918	8.284	0	607	525212.750	4693531.354	8.223	0
568	525197.594	4693520.933	8.395	0	608	525210.320	4693534.559	8.269	0
569	525198.996	4693523.157	8.386	0	609	525209.933	4693534.809	8.270	0
570	525199.233	4693523.242	8.387	0	610	525212.579	4693537.974	8.273	0
571	525199.281	4693523.273	8.301	0	611	525210.613	4693532.719	8.182	0
572	525200.947	4693522.052	8.257	0	612	525210.757	4693539.512	8.334	0
573	525201.084	4693521.983	8.129	0	613	525212.248	4693541.874	8.342	0
574	525200.974	4693525.844	8.337	0	614	525212.710	4693542.817	8.368	0
575	525201.453	4693526.824	8.368	0	615	525214.021	4693543.592	8.341	0
576	525202.061	4693527.383	8.304	0	616	525212.733	4693543.296	8.379	0
577	525203.331	4693525.567	8.271	0	617	525214.112	4693545.540	8.445	0
578	525203.559	4693525.549	8.127	0	618	525215.171	4693547.044	8.358	0
579	525203.616	4693522.374	8.159	0	619	525217.390	4693546.572	8.275	0
580	525205.225	4693520.115	8.183	0	620	525217.552	4693546.494	8.158	0
581	525195.989	4693514.215	8.096	0	621	525219.017	4693545.409	8.187	0
582	525204.565	4693530.573	8.317	0	622	525217.162	4693549.355	8.320	0
583	525206.687	4693531.496	8.303	0	623	525217.407	4693549.806	8.323	0
584	525207.174	4693531.980	8.296	0	624	525217.706	4693550.693	8.332	0
585	525204.373	4693530.870	8.330	0	625	525218.011	4693551.209	8.522	0
586	525204.386	4693530.901	8.383	0	626	525218.249	4693551.606	8.330	0
587	525205.380	4693532.659	8.372	0	627	525218.527	4693551.975	8.323	0
588	525205.705	4693532.822	8.337	0	628	525218.860	4693552.489	8.521	0
589	525207.214	4693535.058	8.335	0	629	525219.128	4693552.860	8.318	0
590	525207.719	4693535.800	8.338	0	630	525220.335	4693554.595	8.322	0
591	525207.474	4693535.449	8.406	0	631	525224.240	4693556.694	8.300	0
592	525208.936	4693533.983	8.299	0	632	525224.281	4693556.630	8.209	0
593	525209.046	4693533.853	8.152	0	633	525225.809	4693555.636	8.242	0
594	525209.800	4693534.916	8.281	0	634	525227.744	4693553.915	8.276	0
595	525209.181	4693535.388	8.293	0	635	525222.546	4693558.033	8.339	0
596	525211.829	4693539.372	8.322	0	636	525222.929	4693558.675	8.531	0
597	525212.332	4693539.027	8.309	0	637	525223.195	4693558.907	8.349	0
598	525212.627	4693539.185	8.175	0	638	525222.204	4693556.982	8.327	0
599	525212.559	4693539.298	8.313	0	639	525222.497	4693557.433	8.339	0
600	525211.937	4693538.157	8.290	0	640	525225.621	4693562.602	8.372	0
601	525214.591	4693537.939	8.160	0	641	525227.742	4693565.830	8.549	0
602	525215.935	4693538.759	8.208	0	642	525230.097	4693569.349	8.410	0

643	525228.641	4693566.626	8.391	0	683	525244.154	4693588.191	8.504	0
644	525228.364	4693566.200	8.389	0	684	525246.660	4693590.343	8.498	0
645	525228.105	4693565.999	8.383	0	685	525246.834	4693590.356	8.386	0
646	525228.003	4693565.330	8.383	0	686	525249.146	4693597.809	8.546	0
647	525227.966	4693565.357	8.383	0	687	525250.002	4693599.220	8.640	0
648	525227.023	4693563.844	8.366	0	688	525250.979	4693600.630	8.547	0
649	525226.382	4693562.892	8.367	0	689	525249.884	4693598.701	8.551	0
650	525226.750	4693562.655	8.366	0	690	525249.454	4693598.051	8.546	0
651	525226.900	4693562.495	8.365	0	691	525250.123	4693597.639	8.537	0
652	525227.562	4693562.022	8.355	0	692	525251.849	4693598.002	8.511	0
653	525228.157	4693562.925	8.349	0	693	525251.910	4693597.938	8.408	0
654	525231.158	4693567.133	8.389	0	694	525253.505	4693596.911	8.402	0
655	525231.274	4693567.022	8.282	0	695	525251.456	4693591.971	8.397	0
656	525233.847	4693563.071	8.316	0	696	525252.659	4693591.181	8.400	0
657	525230.431	4693569.744	8.413	0	697	525251.870	4693601.335	8.541	0
658	525230.732	4693570.257	8.568	0	698	525252.119	4693601.146	8.534	0
659	525231.077	4693570.704	8.418	0	699	525252.101	4693601.485	8.537	0
660	525232.022	4693572.172	8.426	0	700	525252.647	4693601.122	8.520	0
661	525232.564	4693573.161	8.560	0	701	525252.472	4693602.069	8.537	0
662	525233.153	4693573.905	8.423	0	702	525252.221	4693602.442	8.560	0
663	525233.761	4693574.235	8.434	0	703	525252.750	4693603.318	8.710	0
664	525234.018	4693574.650	8.426	0	704	525253.500	4693604.355	8.571	0
665	525234.320	4693571.863	8.408	0	705	525255.116	4693606.776	8.578	0
666	525234.220	4693571.432	8.305	0	706	525254.728	4693602.379	8.517	0
667	525237.258	4693568.178	8.337	0	707	525254.859	4693602.324	8.422	0
668	525234.643	4693576.012	8.429	0	708	525256.278	4693601.234	8.406	0
669	525235.252	4693576.929	8.448	0	709	525256.195	4693602.154	8.391	0
670	525237.242	4693575.956	8.313	0	710	525258.623	4693600.164	8.445	0
671	525237.094	4693576.051	8.435	0	711	525255.297	4693606.432	8.566	0
672	525237.487	4693580.350	8.464	0	712	525256.083	4693606.414	8.554	0
673	525238.071	4693581.360	8.470	0	713	525256.855	4693606.659	8.533	0
674	525238.810	4693581.791	8.483	0	714	525257.156	4693609.415	8.562	0
675	525239.115	4693582.296	8.480	0	715	525257.258	4693609.901	8.556	0
676	525240.608	4693581.270	8.460	0	716	525257.743	4693610.723	8.677	0
677	525240.727	4693581.195	8.294	0	717	525259.668	4693613.630	8.573	0
678	525240.586	4693585.007	8.496	0	718	525261.545	4693612.563	8.539	0
679	525241.122	4693585.784	8.499	0	719	525261.657	4693612.489	8.423	0
680	525243.134	4693586.434	8.498	0	720	525265.121	4693609.872	8.461	0
681	525242.647	4693587.719	8.547	0	721	525267.405	4693617.546	8.481	0
682	525242.964	4693587.928	8.525	0	722	525265.755	4693618.853	8.569	0

723	525263.421	4693616.374	8.559 0	763	525279.989	4693640.984	8.706 0
724	525262.198	4693616.931	8.614 0	764	525281.211	4693641.826	8.684 0
725	525262.614	4693617.486	8.620 0	765	525280.399	4693642.018	8.682 0
726	525262.725	4693618.098	8.616 0	766	525279.551	4693642.592	8.665 0
727	525263.568	4693619.374	8.764 0	767	525279.891	4693643.637	8.642 0
728	525263.919	4693619.797	8.626 0	768	525280.056	4693643.585	8.648 0
729	525264.705	4693621.062	8.765 0	769	525278.497	4693641.239	8.667 0
730	525268.851	4693623.500	8.588 0	770	525278.358	4693641.317	8.667 0
731	525268.991	4693623.422	8.473 0	771	525277.739	4693640.398	8.639 0
732	525267.792	4693623.914	8.614 0	772	525277.308	4693639.746	8.650 0
733	525267.478	4693624.656	8.649 0	773	525276.735	4693638.905	8.647 0
734	525267.429	4693625.065	8.669 0	774	525276.836	4693638.764	8.678 0
735	525269.086	4693627.539	8.679 0	775	525281.617	4693640.781	8.559 0
736	525267.841	4693622.871	8.599 0	776	525281.692	4693643.752	8.651 0
737	525269.467	4693627.623	8.636 0	777	525281.806	4693643.799	8.503 0
738	525271.199	4693627.062	8.614 0	778	525282.112	4693645.185	8.490 0
739	525271.354	4693626.993	8.497 0	779	525283.377	4693643.365	8.548 0
740	525274.510	4693623.848	8.512 0	780	525285.065	4693641.827	8.579 0
741	525270.109	4693628.660	8.661 0	781	525285.559	4693640.366	8.608 0
742	525271.342	4693628.172	8.624 0	782	525282.767	4693640.998	8.573 0
743	525271.373	4693630.765	8.639 0	783	525282.383	4693641.285	8.550 0
744	525271.358	4693630.772	8.639 0	784	525280.130	4693637.930	8.596 0
745	525271.960	4693631.750	8.652 0	785	525286.962	4693638.234	8.558 0
746	525272.172	4693632.020	8.642 0	786	525286.571	4693638.540	8.576 0
747	525273.329	4693633.760	8.638 0	787	525284.337	4693635.170	8.565 0
748	525274.454	4693635.592	8.672 0	788	525284.645	4693647.951	8.518 0
749	525274.458	4693635.606	8.676 0	789	525289.801	4693650.343	8.601 0
750	525274.950	4693636.430	8.814 0	790	525289.890	4693651.861	8.598 0
751	525275.607	4693636.553	8.669 0	791	525289.459	4693652.151	8.573 0
752	525276.062	4693637.023	8.658 0	792	525291.745	4693655.415	8.628 0
753	525277.138	4693636.536	8.662 0	793	525295.958	4693652.555	8.683 0
754	525276.186	4693634.397	8.641 0	794	525296.368	4693652.274	8.682 0
755	525276.321	4693634.321	8.522 0	795	525294.021	4693648.896	8.638 0
756	525279.377	4693639.209	8.691 0	796	525293.169	4693647.682	8.618 0
757	525279.479	4693639.041	8.523 0	797	525289.412	4693652.336	8.600 0
758	525280.694	4693639.040	8.575 0	798	525289.277	4693652.447	8.733 0
759	525279.793	4693639.226	8.677 0	799	525289.473	4693653.383	8.706 0
760	525280.954	4693640.991	8.685 0	800	525288.607	4693652.902	8.706 0
761	525281.459	4693640.808	8.676 0	801	525288.541	4693652.704	8.715 0
762	525281.288	4693641.107	8.678 0	802	525287.922	4693653.665	8.696 0

803	525286.862	4693653.539	8.627 0	843	525300.787	4693674.725	9.056 0
804	525286.985	4693652.783	8.610 0	844	525301.434	4693674.401	9.025 0
805	525286.655	4693652.673	8.582 0	845	525300.788	4693671.519	8.943 0
806	525286.537	4693653.468	8.622 0	846	525300.886	4693671.466	8.735 0
807	525285.607	4693652.560	8.524 0	847	525301.593	4693671.569	8.833 0
808	525287.667	4693651.757	8.623 0	848	525303.532	4693677.358	9.060 0
809	525287.552	4693651.645	8.507 0	849	525305.202	4693681.545	9.119 0
810	525285.170	4693652.129	8.504 0	850	525306.526	4693682.789	9.126 0
811	525285.095	4693651.997	8.407 0	851	525307.215	4693682.405	9.118 0
812	525287.646	4693655.655	8.835 0	852	525307.834	4693683.274	9.135 0
813	525288.020	4693655.757	8.777 0	853	525308.309	4693682.865	9.115 0
814	525288.502	4693655.899	8.790 0	854	525308.442	4693682.819	8.966 0
815	525287.547	4693655.482	8.728 0	855	525307.541	4693685.052	9.165 0
816	525288.238	4693656.033	8.801 0	856	525308.406	4693686.412	9.367 0
817	525289.067	4693654.977	8.777 0	857	525308.859	4693686.593	9.178 0
818	525289.375	4693654.173	8.763 0	858	525309.192	4693686.874	9.178 0
819	525289.942	4693654.882	8.767 0	859	525311.227	4693689.558	9.205 0
820	525291.142	4693656.700	8.805 0	860	525312.440	4693691.807	9.279 0
821	525291.943	4693656.174	8.779 0	861	525313.927	4693694.100	9.323 0
822	525292.015	4693656.093	8.635 0	862	525313.425	4693693.806	9.324 0
823	525290.845	4693657.948	8.809 0	863	525315.486	4693695.978	9.363 0
824	525290.239	4693657.420	8.799 0	864	525317.264	4693697.059	9.374 0
825	525289.543	4693657.827	8.815 0	865	525317.750	4693697.693	9.402 0
826	525288.962	4693656.865	8.810 0	866	525316.888	4693698.311	9.420 0
827	525293.489	4693658.475	8.802 0	867	525320.021	4693703.656	9.548 0
828	525293.629	4693658.514	8.670 0	868	525321.290	4693705.414	9.557 0
829	525292.667	4693659.364	8.819 0	869	525321.775	4693706.160	9.608 0
830	525292.865	4693659.374	8.694 0	870	525322.205	4693706.217	9.582 0
831	525294.252	4693658.332	8.686 0	871	525323.160	4693706.367	9.563 0
832	525296.687	4693656.966	8.724 0	872	525323.472	4693707.383	9.580 0
833	525294.282	4693658.312	8.696 0	873	525323.398	4693708.316	9.623 0
834	525299.525	4693666.353	8.787 0	874	525323.999	4693706.195	9.571 0
835	525299.503	4693666.450	8.785 0	875	525324.080	4693706.075	9.440 0
836	525299.626	4693667.163	8.780 0	876	525325.053	4693707.599	9.605 0
837	525298.179	4693667.322	8.730 0	877	525324.986	4693706.389	9.502 0
838	525297.999	4693667.341	8.895 0	878	525325.641	4693704.470	9.441 0
839	525296.833	4693667.154	8.897 0	879	525329.162	4693702.271	9.446 0
840	525295.656	4693667.229	8.914 0	880	525327.990	4693703.531	9.480 0
841	525299.287	4693672.635	8.989 0	881	525326.204	4693707.050	9.583 0
842	525300.376	4693674.360	9.183 0	882	525326.609	4693706.763	9.580 0

883	525328.803	4693710.053	9.694	0	923	525332.436	4693710.264	9.654	0
884	525332.601	4693707.602	9.697	0	924	525331.659	4693709.027	9.712	0
885	525330.444	4693704.248	9.629	0	925	525338.521	4693728.038	10.077	0
886	525330.841	4693703.964	9.625	0	926	525338.593	4693727.877	9.965	0
887	525327.892	4693710.738	9.676	0	927	525337.696	4693730.025	10.176	0
888	525327.174	4693711.058	9.678	0	928	525339.973	4693733.558	10.275	0
889	525326.912	4693710.877	9.675	0	929	525339.994	4693733.070	10.245	0
890	525326.977	4693712.005	9.702	0	930	525340.762	4693734.094	10.288	0
891	525326.473	4693711.974	9.697	0	931	525341.641	4693732.750	10.200	0
892	525326.042	4693711.312	9.685	0	932	525341.724	4693732.684	10.115	0
893	525325.451	4693711.676	9.708	0	933	525341.913	4693734.360	10.263	0
894	525326.375	4693713.181	9.719	0	934	525340.785	4693734.634	10.448	0
895	525325.985	4693712.497	9.834	0	935	525340.937	4693734.511	10.314	0
896	525323.776	4693709.090	9.622	0	936	525342.083	4693736.528	10.423	0
897	525326.859	4693713.786	9.735	0	937	525343.463	4693738.689	10.615	0
898	525328.575	4693716.453	9.822	0	938	525343.788	4693736.537	10.332	0
899	525328.383	4693715.497	9.793	0	939	525343.914	4693736.458	10.244	0
900	525328.570	4693713.047	9.721	0	940	525342.812	4693737.042	10.392	0
901	525328.650	4693712.958	9.583	0	941	525347.941	4693733.457	10.342	0
902	525327.653	4693711.469	9.687	0	942	525346.043	4693740.652	10.492	0
903	525331.895	4693718.259	9.867	0	943	525345.021	4693741.017	10.567	0
904	525331.778	4693720.651	9.932	0	944	525346.707	4693743.465	10.625	0
905	525331.945	4693720.813	9.942	0	945	525347.096	4693744.071	10.675	0
906	525332.997	4693720.770	9.921	0	946	525348.661	4693746.334	10.756	0
907	525332.728	4693721.416	9.938	0	947	525349.802	4693745.416	10.682	0
908	525332.168	4693721.739	9.949	0	948	525349.881	4693745.302	10.519	0
909	525333.398	4693723.526	9.993	0	949	525350.344	4693744.749	10.554	0
910	525333.891	4693724.382	10.193	0	950	525354.071	4693742.650	10.671	0
911	525334.466	4693725.246	10.027	0	951	525354.260	4693747.877	10.742	0
912	525335.361	4693726.591	10.264	0	952	525354.128	4693748.300	10.745	0
913	525335.930	4693725.283	10.052	0	953	525352.680	4693749.332	10.672	0
914	525335.217	4693723.939	9.994	0	954	525352.559	4693749.393	10.835	0
915	525335.299	4693723.896	9.994	0	955	525352.213	4693749.649	10.853	0
916	525335.644	4693723.696	9.977	0	956	525351.862	4693749.089	10.852	0
917	525335.761	4693723.605	9.863	0	957	525349.235	4693747.081	10.790	0
918	525334.179	4693721.191	9.809	0	958	525351.832	4693750.910	10.953	0
919	525332.979	4693719.412	9.780	0	959	525350.447	4693748.000	10.814	0
920	525332.901	4693719.492	9.887	0	960	525352.875	4693752.387	10.964	0
921	525332.495	4693719.794	9.896	0	961	525353.272	4693752.987	11.014	0
922	525336.998	4693717.069	9.847	0	962	525353.568	4693753.499	11.022	0

963	525355.577	4693756.485	11.111	0	1003	525163.614	4693450.732	8.190	0
964	525355.807	4693756.737	11.115	0	1004	525163.615	4693450.568	8.332	0
965	525356.555	4693757.977	11.185	0	1005	525162.609	4693450.074	8.177	0
966	525357.166	4693758.785	11.398	0	1006	525162.739	4693449.991	8.326	0
967	525357.843	4693759.935	11.247	0	1007	525171.663	4693456.846	8.370	0
968	525357.828	4693759.451	11.241	0	1008	525170.841	4693456.029	8.257	0
969	525356.080	4693756.701	11.117	0	1009	525173.198	4693459.055	8.283	0
970	525356.419	4693756.165	11.098	0	1010	525172.921	4693459.880	8.221	0
971	525355.641	4693755.306	11.071	0	1011	525173.338	4693458.655	8.323	0
972	525354.940	4693753.766	11.011	0	1012	525170.257	4693456.535	8.180	0
973	525354.797	4693753.258	11.007	0	1013	525169.599	4693458.225	8.216	0
974	525354.424	4693752.711	10.985	0	1014	525169.477	4693458.276	8.069	0
975	525353.861	4693753.082	11.002	0	1015	525168.870	4693457.344	8.042	0
976	525355.060	4693753.039	10.996	0	1016	525168.133	4693457.004	8.087	0
977	525355.397	4693753.060	10.867	0	1017	525167.249	4693457.514	8.067	0
978	525356.741	4693751.985	10.876	0	1018	525166.593	4693456.529	8.069	0
979	525359.341	4693750.492	10.975	0	1019	525169.613	4693458.746	8.058	0
980	525358.978	4693759.237	11.220	0	1020	525169.732	4693458.652	8.207	0
981	525359.087	4693759.167	11.060	0	1021	525170.181	4693459.979	7.989	0
982	525358.295	4693760.636	11.284	0	1022	525169.757	4693460.243	8.022	0
983	525359.073	4693761.867	11.438	0	1023	525169.896	4693458.339	8.217	0
984	525360.239	4693762.750	11.351	0	1024	525170.439	4693457.943	8.222	0
985	525362.439	4693766.695	11.508	0	1025	525171.295	4693459.211	8.198	0
986	525362.228	4693766.830	11.511	0	1026	525171.700	4693460.439	8.189	0
987	525363.068	4693768.138	11.650	0	1027	525171.170	4693460.783	8.184	0
988	525364.016	4693767.177	11.492	0	1028	525171.047	4693460.890	8.006	0
989	525363.709	4693766.505	11.331	0	1029	525171.759	4693461.916	8.010	0
990	525367.856	4693763.280	11.519	0	1030	525172.483	4693460.965	8.203	0
991	525365.055	4693770.322	11.622	0	1031	525172.170	4693460.442	8.202	0
992	525366.179	4693773.286	11.727	0	1032	525172.620	4693460.097	8.207	0
993	525162.936	4693447.013	8.433	0	1033	525175.242	4693465.701	8.172	0
994	525162.904	4693447.227	8.389	0	1034	525174.689	4693466.059	8.164	0
995	525163.360	4693447.936	8.354	0	1035	525174.529	4693466.165	8.021	0
996	525163.640	4693448.264	8.379	0	1036	525174.099	4693465.456	8.013	0
997	525163.568	4693448.613	8.370	0	1037	525176.861	4693465.912	8.205	0
998	525163.938	4693449.130	8.368	0	1038	525178.210	4693467.861	8.207	0
999	525164.292	4693450.050	8.356	0	1039	525179.555	4693470.862	8.163	0
1000	525164.590	4693449.572	8.372	0	1040	525179.538	4693473.376	8.131	0
1001	525164.730	4693450.509	8.351	0	1041	525179.419	4693473.441	7.975	0
1002	525164.729	4693450.712	8.212	0	1042	525180.830	4693475.427	8.129	0

1043	525180.726	4693475.467	7.912	0	1083	525207.936	4693516.291	8.243	0
1044	525181.970	4693477.124	8.127	0	1084	525207.871	4693517.711	8.218	0
1045	525181.806	4693477.126	7.984	0	1085	525207.608	4693517.893	8.141	0
1046	525183.798	4693476.437	8.151	0	1086	525208.994	4693517.542	8.260	0
1047	525185.451	4693478.913	8.154	0	1087	525208.905	4693517.727	8.143	0
1048	525185.510	4693479.818	8.147	0	1088	525209.872	4693518.868	8.262	0
1049	525186.855	4693481.319	8.152	0	1089	525209.755	4693518.994	8.141	0
1050	525187.217	4693484.171	8.133	0	1090	525210.554	4693519.258	8.157	0
1051	525188.982	4693484.730	8.158	0	1091	525210.493	4693519.139	8.256	0
1052	525187.868	4693485.958	8.136	0	1092	525212.270	4693519.141	8.259	0
1053	525187.775	4693486.064	7.984	0	1093	525212.393	4693519.286	8.288	0
1054	525190.412	4693487.910	8.150	0	1094	525214.017	4693524.544	8.216	0
1055	525191.292	4693490.453	8.158	0	1095	525217.323	4693526.679	8.266	0
1056	525192.362	4693490.689	8.162	0	1096	525216.832	4693527.641	8.253	0
1057	525193.674	4693491.407	8.169	0	1097	525216.677	4693528.928	8.298	0
1058	525194.569	4693492.702	8.352	0	1098	525216.575	4693528.843	8.212	0
1059	525194.891	4693496.505	8.159	0	1099	525217.060	4693529.837	8.281	0
1060	525194.777	4693496.581	8.009	0	1100	525218.253	4693528.128	8.300	0
1061	525196.224	4693498.569	8.171	0	1101	525217.642	4693529.118	8.296	0
1062	525196.167	4693498.622	8.031	0	1102	525217.291	4693528.606	8.290	0
1063	525197.130	4693498.890	8.181	0	1103	525217.674	4693529.324	8.306	0
1064	525197.397	4693499.059	8.077	0	1104	525219.019	4693531.325	8.312	0
1065	525198.540	4693498.733	8.196	0	1105	525219.387	4693531.862	8.311	0
1066	525197.486	4693497.639	8.175	0	1106	525220.485	4693533.532	8.321	0
1067	525203.668	4693506.217	8.269	0	1107	525220.058	4693532.032	8.337	0
1068	525203.766	4693506.455	8.252	0	1108	525218.203	4693529.269	8.312	0
1069	525202.967	4693507.252	8.190	0	1109	525219.267	4693533.116	8.283	0
1070	525202.979	4693508.585	8.231	0	1110	525219.948	4693533.921	8.307	0
1071	525202.961	4693508.593	8.231	0	1111	525219.912	4693534.174	8.206	0
1072	525202.854	4693508.641	8.113	0	1112	525288.562	4693660.623	9.542	0
1073	525202.488	4693508.659	8.075	0	1113	525283.089	4693658.252	9.531	0
1074	525203.298	4693509.076	8.218	0	1114	525284.239	4693654.843	8.448	0
1075	525203.236	4693509.158	8.097	0	1115	525281.044	4693656.880	8.035	0
1076	525202.884	4693509.469	8.096	0	1116	525284.723	4693652.163	8.376	0
1077	525204.969	4693511.581	8.214	0	1117	525284.829	4693652.318	8.467	0
1078	525204.884	4693511.668	8.129	0	1118	525284.010	4693650.653	8.411	0
1079	525204.663	4693513.300	8.200	0	1119	525283.763	4693650.244	8.417	0
1080	525204.517	4693513.373	8.143	0	1120	525282.626	4693653.437	8.167	0
1081	525207.169	4693512.263	8.261	0	1121	525283.685	4693654.285	8.375	0
1082	525206.084	4693513.048	8.234	0	1122	525282.355	4693653.610	8.149	0

1123	525279.690	4693655.247	7.899	0	1163	525242.239	4693564.118	8.556	0
1124	525279.558	4693655.531	7.948	0	1164	525242.602	4693565.097	8.439	0
1125	525280.878	4693645.412	8.439	0	1165	525242.907	4693565.071	8.439	0
1126	525280.329	4693644.491	8.632	0	1166	525242.861	4693567.047	8.425	0
1127	525279.054	4693645.302	8.569	0	1167	525243.131	4693567.466	8.426	0
1128	525280.358	4693644.511	8.629	0	1168	525243.624	4693569.332	8.397	0
1129	525278.544	4693644.476	8.592	0	1169	525243.530	4693569.488	8.275	0
1130	525275.839	4693648.422	8.099	0	1170	525243.465	4693570.266	8.261	0
1131	525275.729	4693648.341	8.220	0	1171	525242.891	4693570.691	8.292	0
1132	525274.045	4693647.225	8.184	0	1172	525247.382	4693573.732	8.404	0
1133	525225.443	4693540.263	8.363	0	1173	525247.844	4693574.313	8.408	0
1134	525226.285	4693541.582	8.380	0	1174	525247.906	4693575.253	8.391	0
1135	525225.404	4693542.163	8.346	0	1175	525248.699	4693575.557	8.417	0
1136	525225.326	4693542.237	8.202	0	1176	525248.993	4693575.594	8.425	0
1137	525222.781	4693539.557	8.183	0	1177	525248.597	4693573.567	8.532	0
1138	525222.324	4693539.778	8.202	0	1178	525251.069	4693571.880	9.091	0
1139	525230.108	4693547.347	8.373	0	1179	525251.457	4693574.116	8.932	0
1140	525230.943	4693548.529	8.384	0	1180	525248.412	4693576.533	8.414	0
1141	525230.081	4693549.079	8.358	0	1181	525248.299	4693576.644	8.294	0
1142	525230.412	4693549.838	8.209	0	1182	525251.758	4693580.167	8.435	0
1143	525230.548	4693549.809	8.368	0	1183	525254.075	4693583.060	8.412	0
1144	525236.216	4693556.364	8.411	0	1184	525256.359	4693584.834	8.462	0
1145	525236.680	4693555.993	8.419	0	1185	525256.427	4693584.800	8.452	0
1146	525235.878	4693556.537	8.397	0	1186	525255.160	4693585.077	8.457	0
1147	525236.206	4693557.027	8.398	0	1187	525254.572	4693586.839	8.289	0
1148	525236.682	4693556.716	8.404	0	1188	525253.957	4693587.269	8.330	0
1149	525237.219	4693556.610	8.418	0	1189	525254.729	4693587.982	8.335	0
1150	525237.854	4693557.607	8.422	0	1190	525257.962	4693593.449	8.382	0
1151	525237.668	4693558.014	8.413	0	1191	525258.583	4693589.797	8.482	0
1152	525236.582	4693558.880	8.389	0	1192	525259.366	4693589.310	8.610	0
1153	525236.485	4693558.980	8.249	0	1193	525259.077	4693589.518	8.442	0
1154	525237.181	4693558.499	8.400	0	1194	525258.896	4693590.228	8.479	0
1155	525238.385	4693558.338	8.430	0	1195	525259.544	4693591.178	8.490	0
1156	525239.755	4693560.430	8.427	0	1196	525259.050	4693592.391	8.465	0
1157	525239.649	4693562.092	8.416	0	1197	525258.945	4693592.460	8.347	0
1158	525239.917	4693562.517	8.421	0	1198	525264.241	4693598.224	8.533	0
1159	525239.151	4693561.477	8.418	0	1199	525264.857	4693600.313	8.539	0
1160	525238.620	4693561.845	8.395	0	1200	525264.552	4693600.625	8.543	0
1161	525238.453	4693561.997	8.247	0	1201	525264.434	4693600.703	8.408	0
1162	525241.875	4693563.600	8.444	0	1202	525267.104	4693602.875	8.543	0

1203	525268.036	4693606.078	8.412	0	1243	525289.278	4693632.937	8.805	0
1204	525268.137	4693605.961	8.552	0	1244	525293.289	4693630.339	9.507	0
1205	525268.981	4693605.974	8.558	0	1245	525293.134	4693629.240	9.620	0
1206	525269.237	4693605.650	8.578	0	1246	525289.698	4693635.014	8.701	0
1207	525269.629	4693605.257	8.604	0	1247	525290.206	4693636.777	8.687	0
1208	525269.890	4693605.515	8.597	0	1248	525291.652	4693636.512	8.612	0
1209	525271.585	4693608.059	8.614	0	1249	525293.280	4693635.566	9.543	0
1210	525273.616	4693611.170	8.619	0	1250	525295.599	4693639.138	8.650	0
1211	525274.142	4693612.520	8.625	0	1251	525294.083	4693640.124	8.653	0
1212	525274.579	4693612.641	8.616	0	1252	525289.520	4693636.696	8.677	0
1213	525275.477	4693613.880	8.666	0	1253	525288.974	4693637.082	8.649	0
1214	525274.793	4693615.349	8.581	0	1254	525288.837	4693637.185	8.507	0
1215	525274.956	4693616.160	8.604	0	1255	525287.431	4693638.663	8.553	0
1216	525274.828	4693616.319	8.473	0	1256	525289.694	4693639.204	8.503	0
1217	525278.526	4693619.323	8.620	0	1257	525292.662	4693641.769	8.714	0
1218	525278.297	4693620.426	8.611	0	1258	525296.516	4693643.839	8.666	0
1219	525277.854	4693620.457	8.614	0	1259	525298.343	4693647.553	8.772	0
1220	525277.685	4693620.530	8.468	0	1260	525293.545	4693647.805	8.626	0
1221	525275.940	4693621.533	8.480	0	1261	525293.224	4693647.743	8.622	0
1222	525279.393	4693619.709	8.636	0	1262	525295.682	4693646.647	8.756	0
1223	525279.680	4693619.517	8.627	0	1263	525296.450	4693646.997	8.761	0
1224	525281.059	4693622.197	8.640	0	1264	525295.868	4693647.342	8.747	0
1225	525281.366	4693622.633	8.643	0	1265	525295.752	4693647.460	8.595	0
1226	525282.567	4693624.353	8.779	0	1266	525298.514	4693650.003	8.784	0
1227	525276.756	4693620.651	8.483	0	1267	525297.931	4693650.396	8.781	0
1228	525282.095	4693626.798	8.605	0	1268	525297.812	4693650.506	8.648	0
1229	525281.942	4693626.902	8.472	0	1269	525298.366	4693650.556	8.797	0
1230	525283.553	4693626.955	8.601	0	1270	525297.491	4693650.882	8.645	0
1231	525286.092	4693629.493	8.646	0	1271	525298.808	4693650.909	8.792	0
1232	525288.145	4693632.511	8.663	0	1272	525299.474	4693650.509	8.803	0
1233	525287.666	4693632.499	8.639	0	1273	525300.102	4693651.431	8.803	0
1234	525287.978	4693632.863	8.648	0	1274	525300.485	4693650.790	8.816	0
1235	525288.424	4693633.351	8.661	0	1275	525301.147	4693651.756	8.910	0
1236	525284.879	4693629.746	8.627	0	1276	525301.489	4693652.290	8.826	0
1237	525284.320	4693630.119	8.614	0	1277	525302.728	4693653.921	8.917	0
1238	525284.191	4693630.214	8.483	0	1278	525303.069	4693654.587	8.854	0
1239	525284.144	4693631.679	8.509	0	1279	525301.490	4693654.640	8.834	0
1240	525285.427	4693632.633	8.508	0	1280	525301.121	4693655.125	8.820	0
1241	525287.123	4693633.867	8.570	0	1281	525300.964	4693655.234	8.592	0
1242	525288.579	4693632.957	8.682	0	1282	525300.698	4693654.813	8.634	0

1283	525300.449	4693655.668	8.644	0	1323	525323.347	4693688.475	9.164	0
1284	525304.613	4693656.830	8.855	0	1324	525322.563	4693689.209	9.292	0
1285	525304.832	4693657.247	8.882	0	1325	525322.313	4693689.161	9.158	0
1286	525305.981	4693658.887	8.895	0	1326	525321.883	4693688.855	9.156	0
1287	525304.403	4693657.170	8.892	0	1327	525323.916	4693689.944	9.319	0
1288	525304.058	4693656.841	8.863	0	1328	525325.884	4693690.963	9.403	0
1289	525305.923	4693662.289	8.890	0	1329	525326.910	4693691.184	9.437	0
1290	525305.750	4693662.392	8.705	0	1330	525326.567	4693690.731	9.409	0
1291	525308.840	4693663.239	8.923	0	1331	525327.174	4693690.305	9.426	0
1292	525310.143	4693665.173	8.944	0	1332	525326.543	4693689.321	9.392	0
1293	525310.008	4693665.718	8.948	0	1333	525328.288	4693690.187	9.500	0
1294	525310.194	4693666.080	8.950	0	1334	525327.261	4693690.849	9.451	0
1295	525309.690	4693668.589	8.834	0	1335	525327.743	4693691.546	9.469	0
1296	525310.215	4693669.957	8.847	0	1336	525327.766	4693691.698	9.383	0
1297	525312.130	4693668.243	9.007	0	1337	525325.532	4693691.861	9.261	0
1298	525312.940	4693669.387	9.024	0	1338	525325.471	4693691.707	9.392	0
1299	525313.307	4693669.868	9.032	0	1339	525323.500	4693690.889	9.191	0
1300	525314.104	4693671.046	9.256	0	1340	525323.645	4693690.801	9.331	0
1301	525312.167	4693671.556	9.016	0	1341	525328.725	4693693.629	9.407	0
1302	525311.698	4693671.138	8.849	0	1342	525328.454	4693693.221	9.395	0
1303	525314.265	4693671.365	9.047	0	1343	525333.786	4693694.665	9.570	0
1304	525315.096	4693672.691	9.232	0	1344	525330.655	4693696.584	9.457	0
1305	525315.979	4693673.941	9.070	0	1345	525330.953	4693696.981	9.455	0
1306	525317.554	4693676.227	9.104	0	1346	525329.307	4693695.910	9.404	0
1307	525316.719	4693674.893	9.259	0	1347	525327.404	4693695.372	9.342	0
1308	525317.730	4693676.731	9.126	0	1348	525326.842	4693695.877	9.312	0
1309	525319.477	4693679.075	9.157	0	1349	525334.680	4693695.967	9.578	0
1310	525319.712	4693679.995	9.187	0	1350	525334.613	4693696.201	9.717	0
1311	525318.327	4693680.727	9.156	0	1351	525335.149	4693696.950	9.735	0
1312	525318.200	4693680.774	9.052	0	1352	525335.812	4693697.698	9.603	0
1313	525316.937	4693681.590	9.033	0	1353	525335.783	4693697.887	9.743	0
1314	525319.746	4693681.738	9.193	0	1354	525334.178	4693697.621	9.697	0
1315	525320.132	4693680.096	9.196	0	1355	525333.398	4693698.136	9.675	0
1316	525320.831	4693681.113	9.369	0	1356	525332.386	4693698.780	9.630	0
1317	525321.463	4693682.759	9.230	0	1357	525331.909	4693698.037	9.604	0
1318	525321.615	4693683.058	9.232	0	1358	525331.812	4693697.940	9.470	0
1319	525321.968	4693682.822	9.241	0	1359	525334.670	4693699.467	9.700	0
1320	525323.558	4693685.102	9.314	0	1360	525333.501	4693699.569	9.669	0
1321	525324.906	4693687.160	9.321	0	1361	525333.438	4693700.485	9.665	0
1322	525323.547	4693688.481	9.299	0	1362	525332.995	4693701.991	9.656	0

1363	525331.898	4693702.240	9.606	0	1403	525344.387	4693716.615	10.094	0
1364	525337.608	4693699.590	9.789	0	1404	525344.799	4693717.345	10.099	0
1365	525336.137	4693700.547	9.730	0	1405	525340.398	4693714.142	9.955	0
1366	525335.379	4693701.040	9.700	0	1406	525340.250	4693714.194	9.779	0
1367	525334.672	4693701.471	9.688	0	1407	525339.006	4693711.631	9.899	0
1368	525333.752	4693702.687	9.668	0	1408	525345.705	4693718.096	10.128	0
1369	525332.489	4693703.557	9.658	0	1409	525346.495	4693719.219	10.230	0
1370	525330.948	4693699.663	9.595	0	1410	525347.280	4693721.237	10.209	0
1371	525330.799	4693699.573	9.451	0	1411	525347.539	4693720.767	10.209	0
1372	525331.022	4693701.708	9.600	0	1412	525348.757	4693722.552	10.272	0
1373	525330.859	4693701.678	9.437	0	1413	525348.198	4693722.908	10.255	0
1374	525329.198	4693702.296	9.452	0	1414	525347.069	4693723.632	10.239	0
1375	525331.613	4693703.041	9.615	0	1415	525347.116	4693724.221	10.251	0
1376	525334.138	4693706.840	9.706	0	1416	525346.992	4693724.403	10.103	0
1377	525334.436	4693704.743	9.700	0	1417	525349.343	4693723.432	10.280	0
1378	525335.852	4693705.108	9.756	0	1418	525350.530	4693725.212	10.417	0
1379	525335.032	4693702.117	9.716	0	1419	525351.503	4693726.771	10.388	0
1380	525336.008	4693703.523	9.843	0	1420	525352.320	4693727.874	10.436	0
1381	525336.750	4693704.712	9.777	0	1421	525353.082	4693729.550	10.474	0
1382	525338.604	4693707.417	9.840	0	1422	525351.585	4693730.287	10.446	0
1383	525329.207	4693687.915	9.559	0	1423	525351.293	4693730.716	10.449	0
1384	525329.798	4693689.187	9.572	0	1424	525351.190	4693730.783	10.311	0
1385	525330.141	4693690.206	9.438	0	1425	525353.585	4693729.762	10.479	0
1386	525337.765	4693707.732	9.824	0	1426	525355.312	4693732.401	10.576	0
1387	525334.871	4693706.949	9.754	0	1427	525353.968	4693734.688	10.589	0
1388	525334.798	4693707.146	9.592	0	1428	525353.857	4693734.805	10.440	0
1389	525335.540	4693707.092	9.606	0	1429	525357.959	4693737.769	10.772	0
1390	525335.659	4693706.938	9.772	0	1430	525357.041	4693738.713	10.754	0
1391	525335.950	4693707.727	9.615	0	1431	525357.593	4693740.016	10.805	0
1392	525331.366	4693708.994	9.728	0	1432	525358.762	4693740.378	10.845	0
1393	525332.450	4693710.234	9.668	0	1433	525357.864	4693740.640	10.835	0
1394	525339.219	4693708.378	9.869	0	1434	525357.760	4693740.762	10.697	0
1395	525340.061	4693709.591	9.937	0	1435	525358.356	4693737.009	10.756	0
1396	525338.970	4693711.660	9.902	0	1436	525359.392	4693738.771	10.831	0
1397	525340.597	4693710.494	9.922	0	1437	525362.034	4693742.820	11.019	0
1398	525342.459	4693713.198	9.982	0	1438	525362.002	4693743.384	11.032	0
1399	525343.254	4693714.368	10.029	0	1439	525359.453	4693742.985	10.952	0
1400	525343.749	4693715.043	10.006	0	1440	525359.269	4693743.090	10.821	0
1401	525344.173	4693715.821	10.086	0	1441	525356.529	4693741.743	10.698	0
1402	525343.376	4693715.827	10.043	0	1442	525361.952	4693749.358	11.060	0

1443	525362.659	4693743.832	11.065	0	1483	525381.707	4693776.923	12.604	0
1444	525363.364	4693744.954	11.096	0	1484	525381.572	4693776.958	12.473	0
1445	525364.106	4693746.128	11.151	0	1485	525383.420	4693777.246	12.671	0
1446	525364.810	4693747.225	11.195	0	1486	525383.822	4693778.092	12.676	0
1447	525365.689	4693748.647	11.302	0	1487	525384.095	4693778.702	12.719	0
1448	525366.573	4693749.592	11.831	0	1488	525385.202	4693781.138	12.778	0
1449	525369.388	4693756.581	12.137	0	1489	525384.953	4693781.331	12.781	0
1450	525370.413	4693756.230	12.172	0	1490	525382.586	4693778.939	12.683	0
1451	525371.301	4693757.552	11.741	0	1491	525382.457	4693779.012	12.558	0
1452	525371.681	4693757.851	11.762	0	1492	525383.769	4693782.224	12.759	0
1453	525372.289	4693758.729	11.800	0	1493	525383.612	4693782.245	12.638	0
1454	525372.032	4693758.237	11.712	0	1494	525384.610	4693783.373	12.799	0
1455	525371.859	4693759.691	11.811	0	1495	525385.365	4693781.721	12.803	0
1456	525372.590	4693759.700	11.838	0	1496	525385.964	4693782.972	12.818	0
1457	525372.608	4693759.225	11.832	0	1497	525385.827	4693783.181	12.835	0
1458	525373.335	4693760.287	11.878	0	1498	525385.893	4693783.496	12.830	0
1459	525373.017	4693759.717	11.796	0	1499	525386.354	4693784.256	12.854	0
1460	525371.795	4693760.552	11.820	0	1500	525386.603	4693785.381	12.863	0
1461	525371.679	4693760.618	11.695	0	1501	525384.775	4693785.687	12.821	0
1462	525374.534	4693762.519	11.980	0	1502	525384.738	4693785.844	12.708	0
1463	525374.557	4693763.039	11.994	0	1503	525386.706	4693785.851	12.872	0
1464	525375.916	4693764.180	12.084	0	1504	525386.872	4693786.859	12.791	0
1465	525376.558	4693765.132	12.226	0	1505	525387.116	4693787.972	12.926	0
1466	525376.357	4693766.329	12.141	0	1506	525386.677	4693787.151	12.899	0
1467	525375.720	4693765.968	12.121	0	1507	525386.326	4693786.819	12.881	0
1468	525377.370	4693769.059	12.241	0	1508	525384.949	4693785.867	12.830	0
1469	525377.246	4693769.168	12.121	0	1509	525384.730	4693785.886	12.712	0
1470	525378.526	4693768.721	12.283	0	1510	525385.671	4693788.732	12.886	0
1471	525378.479	4693768.322	12.272	0	1511	525385.470	4693788.649	12.755	0
1472	525379.330	4693769.589	12.352	0	1512	525386.368	4693789.355	12.922	0
1473	525378.965	4693770.568	12.330	0	1513	525387.517	4693790.625	12.957	0
1474	525380.042	4693770.767	12.368	0	1514	525387.887	4693791.045	12.980	0
1475	525380.660	4693771.652	12.408	0	1515	525387.954	4693791.575	12.981	0
1476	525380.603	4693772.240	12.443	0	1516	525388.391	4693794.207	13.046	0
1477	525380.772	4693772.393	12.447	0	1517	525387.696	4693793.465	13.015	0
1478	525381.011	4693772.615	12.462	0	1518	525386.373	4693791.352	12.937	0
1479	525381.454	4693773.508	12.507	0	1519	525386.216	4693791.416	12.820	0
1480	525381.132	4693772.451	12.467	0	1520	525387.115	4693794.770	13.017	0
1481	525381.434	4693773.073	12.469	0	1521	525386.921	4693794.886	12.896	0
1482	525379.662	4693773.242	12.296	0	1522	525385.551	4693799.008	12.854	0

1523	525386.111	4693800.392	12.921	0	1563	525371.464	4693779.235	11.774	0
1524	525387.941	4693800.054	13.038	0	1564	525372.731	4693782.054	11.996	0
1525	525388.083	4693800.039	13.082	0	1565	525372.853	4693782.001	11.867	0
1526	525327.918	4693703.582	9.484	0	1566	525373.825	4693784.918	12.098	0
1527	525318.704	4693689.823	9.160	0	1567	525374.019	4693784.941	11.953	0
1528	525312.428	4693680.493	9.012	0	1568	525374.286	4693787.355	12.168	0
1529	525302.493	4693665.744	8.821	0	1569	525374.503	4693787.348	12.043	0
1530	525294.769	4693654.189	8.672	0	1570	525373.728	4693789.158	12.250	0
1531	525366.164	4693773.311	11.720	0	1571	525373.839	4693789.279	12.170	0
1532	525366.470	4693773.945	11.697	0	1572	525372.085	4693790.495	12.279	0
1533	525366.918	4693774.449	11.746	0	1573	525372.130	4693790.662	12.202	0
1534	525367.925	4693773.519	11.706	0	1574	525368.064	4693791.475	12.040	0
1535	525367.883	4693773.156	11.558	0	1575	525368.053	4693791.365	12.223	0
1536	525363.040	4693765.702	11.455	0	1576	525367.740	4693790.536	12.229	0
1537	525363.181	4693765.539	11.278	0	1577	525371.769	4693789.765	12.283	0
1538	525367.405	4693762.584	11.512	0	1578	525372.077	4693789.188	12.227	0
1539	525371.406	4693768.743	11.762	0	1579	525372.725	4693788.102	12.207	0
1540	525375.415	4693775.852	12.036	0	1580	525373.040	4693787.533	12.192	0
1541	525378.362	4693782.853	12.261	0	1581	525372.877	4693787.068	12.166	0
1542	525379.956	4693787.384	12.397	0	1582	525371.137	4693782.411	12.191	0
1543	525381.946	4693794.501	12.596	0	1583	525370.718	4693781.346	11.988	0
1544	525383.557	4693802.435	12.812	0	1584	525371.660	4693783.059	12.047	0
1545	525384.827	4693810.769	13.035	0	1585	525376.547	4693792.173	12.254	0
1546	525386.108	4693823.163	13.307	0	1586	525369.915	4693795.939	12.295	0
1547	525387.170	4693832.910	13.532	0	1587	525369.967	4693796.137	12.486	0
1548	525388.257	4693843.310	13.726	0	1588	525374.640	4693796.128	12.575	0
1549	525389.826	4693857.008	13.907	0	1589	525375.772	4693796.574	12.571	0
1550	525390.967	4693867.497	14.002	0	1590	525376.025	4693796.936	12.590	0
1551	525392.945	4693880.966	14.125	0	1591	525376.282	4693797.627	12.627	0
1552	525367.688	4693775.263	11.776	0	1592	525376.233	4693796.141	12.575	0
1553	525368.893	4693776.075	11.795	0	1593	525376.511	4693799.024	12.630	0
1554	525367.636	4693775.621	11.820	0	1594	525376.693	4693800.214	12.769	0
1555	525369.018	4693777.981	11.864	0	1595	525377.108	4693800.892	12.693	0
1556	525369.401	4693778.470	11.882	0	1596	525377.350	4693801.388	12.699	0
1557	525369.676	4693778.044	11.858	0	1597	525378.397	4693801.104	12.666	0
1558	525369.402	4693778.680	11.888	0	1598	525377.247	4693801.955	12.714	0
1559	525369.927	4693779.626	12.052	0	1599	525377.031	4693802.481	12.731	0
1560	525370.551	4693780.079	11.950	0	1600	525377.334	4693804.474	12.893	0
1561	525370.297	4693780.188	11.958	0	1601	525378.168	4693809.550	12.953	0
1562	525371.326	4693779.312	11.891	0	1602	525378.541	4693812.184	13.147	0

1603	525380.319	4693814.301	13.076	0	1643	525381.781	4693826.699	13.116	0
1604	525379.236	4693816.218	13.151	0	1644	525381.402	4693825.102	13.080	0
1605	525380.012	4693821.092	13.291	0	1645	525380.887	4693825.228	12.998	0
1606	525381.493	4693823.289	13.298	0	1646	525380.969	4693825.571	12.998	0
1607	525381.532	4693823.413	13.149	0	1647	525380.492	4693828.212	12.900	0
1608	525382.046	4693823.057	13.232	0	1648	525380.457	4693828.188	13.494	0
1609	525382.013	4693822.923	13.356	0	1649	525383.054	4693827.823	13.472	0
1610	525382.240	4693822.554	13.195	0	1650	525383.146	4693827.686	13.322	0
1611	525382.048	4693822.614	13.331	0	1651	525380.533	4693828.641	13.510	0
1612	525381.485	4693822.771	13.320	0	1652	525380.611	4693829.467	13.659	0
1613	525382.451	4693821.693	13.162	0	1653	525381.409	4693829.686	13.532	0
1614	525381.552	4693818.087	13.056	0	1654	525380.795	4693830.853	13.569	0
1615	525381.402	4693818.116	13.176	0	1655	525380.818	4693832.036	13.642	0
1616	525380.795	4693818.200	13.191	0	1656	525380.998	4693834.124	13.650	0
1617	525380.499	4693812.475	13.015	0	1657	525380.997	4693835.218	13.727	0
1618	525380.778	4693813.395	12.910	0	1658	525381.294	4693835.989	13.691	0
1619	525379.261	4693803.806	12.610	0	1659	525381.390	4693840.548	13.728	0
1620	525379.135	4693803.853	12.757	0	1660	525381.436	4693841.732	13.709	0
1621	525378.168	4693797.639	12.556	0	1661	525381.473	4693841.768	13.611	0
1622	525378.294	4693797.581	12.415	0	1662	525381.326	4693841.140	13.844	0
1623	525377.345	4693796.067	12.557	0	1663	525383.705	4693838.829	13.706	0
1624	525377.438	4693795.920	12.370	0	1664	525383.835	4693838.932	13.619	0
1625	525376.126	4693795.420	12.560	0	1665	525383.981	4693838.364	13.711	0
1626	525376.153	4693795.246	12.370	0	1666	525384.154	4693838.462	13.624	0
1627	525374.492	4693795.287	12.562	0	1667	525384.177	4693837.647	13.695	0
1628	525374.443	4693795.124	12.347	0	1668	525384.340	4693837.629	13.569	0
1629	525380.738	4693800.009	12.592	0	1669	525383.661	4693833.207	13.590	0
1630	525385.496	4693799.054	12.857	0	1670	525383.817	4693833.138	13.454	0
1631	525382.786	4693817.839	13.087	0	1671	525385.339	4693831.204	13.462	0
1632	525383.286	4693817.767	13.107	0	1672	525381.815	4693841.727	13.598	0
1633	525383.226	4693822.836	13.234	0	1673	525382.445	4693841.580	13.612	0
1634	525387.286	4693817.233	13.250	0	1674	525384.449	4693842.531	13.577	0
1635	525386.776	4693817.282	13.234	0	1675	525382.852	4693843.016	13.527	0
1636	525387.273	4693822.295	13.333	0	1676	525381.839	4693842.498	13.587	0
1637	525387.772	4693822.346	13.340	0	1677	525381.856	4693844.280	13.446	0
1638	525378.909	4693827.827	12.636	0	1678	525382.458	4693841.546	13.615	0
1639	525378.231	4693827.949	12.545	0	1679	525383.764	4693842.623	13.571	0
1640	525378.948	4693825.676	12.684	0	1680	525385.373	4693844.628	13.734	0
1641	525379.873	4693826.726	12.815	0	1681	525385.191	4693844.631	13.640	0
1642	525380.894	4693823.958	13.056	0	1682	525384.679	4693844.965	13.697	0

1683	525384.585	4693844.978	13.358	0	1723	525389.374	4693799.924	13.174	0
1684	525381.595	4693844.467	13.433	0	1724	525389.857	4693802.671	13.234	0
1685	525381.454	4693842.366	13.599	0	1725	525388.605	4693803.201	13.211	0
1686	525381.654	4693845.284	13.329	0	1726	525388.429	4693803.232	13.118	0
1687	525381.622	4693846.397	13.386	0	1727	525389.320	4693804.653	13.260	0
1688	525381.860	4693849.857	12.507	0	1728	525390.276	4693805.286	13.305	0
1689	525381.968	4693851.468	12.226	0	1729	525390.514	4693806.617	13.337	0
1690	525385.023	4693849.769	12.454	0	1730	525390.648	4693807.365	13.345	0
1691	525386.337	4693854.224	13.910	0	1731	525390.001	4693807.666	13.348	0
1692	525386.082	4693854.291	13.815	0	1732	525390.139	4693808.801	13.378	0
1693	525385.735	4693854.516	13.828	0	1733	525389.533	4693809.069	13.352	0
1694	525387.982	4693868.552	14.151	0	1734	525389.428	4693809.094	13.233	0
1695	525387.720	4693868.628	14.062	0	1735	525389.927	4693807.172	13.330	0
1696	525387.372	4693868.971	14.090	0	1736	525390.583	4693810.522	13.414	0
1697	525388.751	4693876.419	14.274	0	1737	525391.313	4693809.738	13.447	0
1698	525388.292	4693876.443	14.303	0	1738	525391.042	4693809.773	13.454	0
1699	525388.655	4693881.180	14.399	0	1739	525391.518	4693812.407	13.493	0
1700	525388.653	4693882.508	14.464	0	1740	525390.441	4693813.571	13.467	0
1701	525388.171	4693882.549	14.465	0	1741	525392.115	4693816.468	13.581	0
1702	525388.968	4693880.363	14.363	0	1742	525392.303	4693818.053	13.623	0
1703	525389.094	4693880.338	14.312	0	1743	525392.603	4693820.607	13.724	0
1704	525388.783	4693885.852	14.477	0	1744	525392.893	4693822.789	13.679	0
1705	525389.944	4693884.588	14.452	0	1745	525392.953	4693823.751	13.748	0
1706	525389.389	4693888.448	14.609	0	1746	525392.144	4693823.549	13.650	0
1707	525389.173	4693887.329	14.497	0	1747	525392.177	4693823.955	13.668	0
1708	525389.502	4693888.793	14.497	0	1748	525392.817	4693824.287	13.704	0
1709	525389.692	4693888.381	14.482	0	1749	525392.790	4693824.768	13.696	0
1710	525389.812	4693889.092	14.523	0	1750	525392.330	4693826.465	13.676	0
1711	525389.868	4693889.378	14.529	0	1751	525393.370	4693826.848	13.740	0
1712	525390.489	4693890.280	14.637	0	1752	525393.700	4693829.778	13.770	0
1713	525390.865	4693888.029	14.484	0	1753	525393.900	4693831.203	13.798	0
1714	525392.092	4693889.344	14.520	0	1754	525393.777	4693833.817	13.798	0
1715	525392.221	4693889.261	14.377	0	1755	525393.633	4693833.851	13.799	0
1716	525390.616	4693886.082	14.458	0	1756	525392.902	4693832.187	13.738	0
1717	525390.774	4693886.020	14.349	0	1757	525393.199	4693832.894	13.754	0
1718	525388.375	4693796.336	13.076	0	1758	525394.062	4693842.988	13.945	0
1719	525388.877	4693797.142	13.095	0	1759	525394.255	4693840.609	13.899	0
1720	525389.131	4693798.494	13.132	0	1760	525394.060	4693840.541	13.888	0
1721	525388.764	4693798.716	13.124	0	1761	525392.886	4693842.694	13.894	0
1722	525389.088	4693800.155	13.161	0	1762	525392.320	4693844.031	13.884	0

1763	525391.998	4693843.979	13.865	0	1803	525393.318	4693843.151	13.931	0
1764	525391.922	4693842.552	13.832	0	1804	525393.602	4693845.368	13.933	0
1765	525391.742	4693842.541	13.690	0	1805	525393.850	4693848.316	13.952	0
1766	525392.869	4693840.488	13.831	0	1806	525394.003	4693850.630	13.958	0
1767	525392.694	4693840.521	13.692	0	1807	525393.694	4693850.308	13.943	0
1768	525392.949	4693838.354	13.812	0	1808	525394.161	4693850.849	13.958	0
1769	525393.925	4693837.667	13.843	0	1809	525394.235	4693851.880	13.961	0
1770	525394.051	4693838.413	13.923	0	1810	525394.202	4693853.941	13.950	0
1771	525393.960	4693836.889	13.890	0	1811	525394.297	4693854.314	13.963	0
1772	525393.781	4693834.715	13.804	0	1812	525394.553	4693854.812	13.965	0
1773	525393.565	4693833.878	13.801	0	1813	525394.611	4693855.842	13.963	0
1774	525393.791	4693833.863	13.793	0	1814	525394.718	4693856.544	13.968	0
1775	525393.383	4693834.109	13.785	0	1815	525394.893	4693858.539	13.996	0
1776	525393.290	4693834.416	13.782	0	1816	525395.000	4693859.179	13.996	0
1777	525393.226	4693834.973	13.788	0	1817	525395.480	4693859.162	14.055	0
1778	525392.375	4693835.394	13.758	0	1818	525394.694	4693858.964	13.992	0
1779	525392.106	4693832.476	13.714	0	1819	525394.682	4693859.240	13.990	0
1780	525392.124	4693834.331	13.591	0	1820	525394.666	4693860.421	13.996	0
1781	525391.940	4693830.569	13.679	0	1821	525395.067	4693861.016	14.018	0
1782	525391.813	4693830.622	13.564	0	1822	525395.287	4693860.367	14.017	0
1783	525391.597	4693826.989	13.636	0	1823	525395.218	4693861.152	14.025	0
1784	525391.453	4693826.914	13.506	0	1824	525395.524	4693864.277	14.035	0
1785	525389.629	4693826.596	13.458	0	1825	525395.736	4693866.355	14.043	0
1786	525390.937	4693821.219	13.437	0	1826	525394.898	4693864.821	14.019	0
1787	525391.087	4693821.193	13.571	0	1827	525395.895	4693867.843	14.041	0
1788	525390.196	4693813.450	13.441	0	1828	525396.012	4693868.941	14.040	0
1789	525390.066	4693813.476	13.301	0	1829	525396.082	4693869.714	14.055	0
1790	525388.361	4693810.345	13.193	0	1830	525396.936	4693870.076	14.082	0
1791	525368.561	4693753.273	11.514	0	1831	525395.783	4693869.595	14.048	0
1792	525368.088	4693752.804	11.489	0	1832	525396.354	4693870.467	14.070	0
1793	525367.275	4693752.869	11.457	0	1833	525395.937	4693871.769	14.062	0
1794	525367.619	4693753.866	11.504	0	1834	525395.429	4693870.593	14.048	0
1795	525368.682	4693754.970	11.564	0	1835	525396.265	4693871.916	14.073	0
1796	525367.610	4693754.297	11.502	0	1836	525396.138	4693871.947	14.059	0
1797	525367.472	4693754.442	11.359	0	1837	525396.061	4693872.838	14.063	0
1798	525366.606	4693754.052	11.479	0	1838	525396.185	4693872.213	13.698	0
1799	525366.585	4693754.145	11.323	0	1839	525395.399	4693874.979	14.056	0
1800	525368.438	4693755.510	11.566	0	1840	525397.129	4693875.559	14.082	0
1801	525367.854	4693752.071	11.455	0	1841	525398.179	4693875.889	14.128	0
1802	525367.177	4693750.943	11.400	0	1842	525396.847	4693877.454	14.072	0

1843	525397.020	4693878.064	14.081	0	1883	525392.786	4693852.694	13.809	0
1844	525396.223	4693878.108	14.064	0	1884	525394.701	4693895.698	14.563	0
1845	525396.993	4693879.197	14.070	0	1885	525395.386	4693896.472	14.657	0
1846	525397.242	4693879.339	14.075	0	1886	525396.229	4693897.228	14.561	0
1847	525397.462	4693880.263	14.066	0	1887	525396.599	4693897.411	14.553	0
1848	525398.488	4693884.897	14.044	0	1888	525397.005	4693898.111	14.666	0
1849	525398.727	4693885.921	14.041	0	1889	525399.529	4693900.529	14.510	0
1850	525398.170	4693885.248	14.033	0	1890	525399.840	4693900.672	14.499	0
1851	525398.704	4693886.735	14.034	0	1891	525401.213	4693902.221	14.455	0
1852	525398.900	4693886.753	14.048	0	1892	525401.256	4693901.987	14.444	0
1853	525399.079	4693887.241	14.051	0	1893	525401.480	4693902.075	14.441	0
1854	525402.261	4693891.131	14.163	0	1894	525403.945	4693904.643	14.340	0
1855	525402.423	4693891.943	14.162	0	1895	525404.823	4693905.501	14.314	0
1856	525403.776	4693893.433	14.180	0	1896	525405.092	4693905.548	14.310	0
1857	525404.266	4693893.609	14.200	0	1897	525405.790	4693906.125	14.294	0
1858	525405.026	4693894.566	14.102	0	1898	525407.740	4693908.085	14.236	0
1859	525404.460	4693894.992	13.997	0	1899	525408.617	4693908.942	14.329	0
1860	525403.765	4693894.072	14.167	0	1900	525409.366	4693909.364	14.190	0
1861	525403.616	4693894.149	14.016	0	1901	525409.795	4693909.905	14.176	0
1862	525402.044	4693892.757	14.013	0	1902	525409.680	4693909.920	14.182	0
1863	525400.092	4693892.555	14.080	0	1903	525410.444	4693910.657	14.156	0
1864	525398.801	4693893.260	14.192	0	1904	525410.908	4693911.044	14.141	0
1865	525401.307	4693891.393	13.998	0	1905	525411.773	4693911.891	14.117	0
1866	525401.439	4693891.288	14.140	0	1906	525412.092	4693911.572	14.104	0
1867	525399.273	4693888.291	14.066	0	1907	525413.569	4693913.075	14.057	0
1868	525399.197	4693888.538	13.967	0	1908	525415.077	4693914.602	14.000	0
1869	525397.780	4693885.303	14.026	0	1909	525413.549	4693913.440	14.055	0
1870	525397.469	4693884.890	13.893	0	1910	525415.637	4693915.506	13.982	0
1871	525394.353	4693885.878	14.157	0	1911	525417.819	4693917.476	13.878	0
1872	525396.684	4693881.876	14.037	0	1912	525417.746	4693917.572	13.884	0
1873	525396.601	4693881.947	13.913	0	1913	525418.870	4693918.509	13.934	0
1874	525395.727	4693878.014	14.044	0	1914	525419.455	4693918.835	13.784	0
1875	525395.473	4693877.650	13.916	0	1915	525419.392	4693918.897	13.784	0
1876	525395.105	4693874.935	14.042	0	1916	525420.133	4693918.866	13.766	0
1877	525394.967	4693874.890	13.935	0	1917	525420.364	4693919.710	13.751	0
1878	525394.430	4693867.977	14.012	0	1918	525422.522	4693920.779	13.664	0
1879	525394.294	4693868.074	13.902	0	1919	525423.019	4693920.394	13.637	0
1880	525393.871	4693862.697	13.978	0	1920	525424.458	4693921.251	13.574	0
1881	525393.752	4693862.633	13.868	0	1921	525422.762	4693921.263	13.651	0
1882	525392.888	4693852.695	13.899	0	1922	525423.406	4693921.731	13.624	0

1923	525425.481	4693922.378	13.538	0	1963	525468.363	4693947.867	11.630	0
1924	525426.304	4693923.218	13.505	0	1964	525469.491	4693948.382	11.566	0
1925	525427.650	4693923.727	13.470	0	1965	525470.894	4693949.216	11.467	0
1926	525428.386	4693923.786	13.443	0	1966	525471.301	4693949.413	11.472	0
1927	525426.529	4693923.784	13.474	0	1967	525470.360	4693947.572	11.552	0
1928	525428.183	4693924.802	13.458	0	1968	525468.481	4693946.849	11.664	0
1929	525432.496	4693926.484	13.274	0	1969	525468.025	4693947.032	11.671	0
1930	525433.225	4693926.436	13.238	0	1970	525465.750	4693945.079	11.840	0
1931	525432.643	4693927.193	13.266	0	1971	525472.588	4693946.390	11.516	0
1932	525433.566	4693927.733	13.334	0	1972	525472.913	4693946.621	11.508	0
1933	525435.109	4693927.935	13.167	0	1973	525472.961	4693946.233	11.413	0
1934	525434.801	4693928.368	13.184	0	1974	525473.019	4693945.999	11.478	0
1935	525436.547	4693929.080	13.111	0	1975	525471.196	4693945.601	11.580	0
1936	525438.120	4693930.136	13.197	0	1976	525471.287	4693945.369	11.522	0
1937	525439.082	4693929.403	13.009	0	1977	525470.134	4693945.611	11.605	0
1938	525439.149	4693930.129	13.001	0	1978	525470.060	4693945.212	11.515	0
1939	525438.642	4693930.377	13.015	0	1979	525469.013	4693946.331	11.641	0
1940	525439.875	4693931.066	13.053	0	1980	525468.985	4693945.863	11.611	0
1941	525440.790	4693930.769	12.932	0	1981	525468.979	4693945.305	11.541	0
1942	525443.222	4693933.080	12.802	0	1982	525465.703	4693944.118	11.680	0
1943	525444.440	4693933.875	12.765	0	1983	525465.677	4693944.111	11.681	0
1944	525445.393	4693934.450	12.713	0	1984	525465.677	4693944.292	11.841	0
1945	525446.361	4693935.074	12.666	0	1985	525476.249	4693948.091	11.307	0
1946	525444.406	4693932.174	12.762	0	1986	525476.351	4693947.893	11.356	0
1947	525444.389	4693932.900	12.761	0	1987	525484.702	4693952.773	11.055	0
1948	525448.702	4693935.239	12.563	0	1988	525484.691	4693953.052	10.990	0
1949	525447.642	4693935.833	12.590	0	1989	525489.032	4693955.327	10.949	0
1950	525449.782	4693937.149	12.523	0	1990	525488.850	4693955.557	10.866	0
1951	525451.846	4693936.431	12.447	0	1991	525492.846	4693955.035	11.064	0
1952	525453.050	4693939.037	12.394	0	1992	525495.737	4693959.457	10.863	0
1953	525455.432	4693940.816	12.282	0	1993	525495.613	4693959.790	10.759	0
1954	525455.577	4693940.576	12.279	0	1994	525497.633	4693959.759	10.926	0
1955	525456.975	4693941.321	12.193	0	1995	525497.523	4693960.702	10.910	0
1956	525456.982	4693940.645	12.208	0	1996	525497.352	4693961.046	10.797	0
1957	525458.659	4693942.371	12.114	0	1997	525498.565	4693962.250	10.887	0
1958	525459.479	4693942.799	12.091	0	1998	525498.415	4693962.298	11.060	0
1959	525462.443	4693944.713	12.183	0	1999	525496.468	4693965.120	11.096	0
1960	525465.446	4693946.338	11.776	0	2000	525502.714	4693961.610	11.123	0
1961	525467.965	4693947.648	11.672	0	2001	525474.129	4693945.652	11.489	0
1962	525467.160	4693947.216	11.683	0	2002	525474.349	4693945.191	11.505	0

2003	525470.563	4693943.760	11.597	0	2043	525453.137	4693936.931	12.388	0
2004	525470.791	4693941.085	11.699	0	2044	525453.235	4693936.810	12.242	0
2005	525458.847	4693935.023	12.112	0	2045	525457.610	4693939.563	12.186	0
2006	525450.102	4693930.588	12.429	0	2046	525457.652	4693939.401	12.031	0
2007	525440.090	4693925.390	12.807	0	2047	525460.133	4693941.069	12.086	0
2008	525433.981	4693922.170	13.030	0	2048	525460.239	4693940.942	11.923	0
2009	525426.317	4693917.474	13.311	0	2049	525449.070	4693932.089	12.455	0
2010	525421.874	4693914.516	13.511	0	2050	525409.790	4693898.167	14.086	0
2011	525415.946	4693909.900	13.759	0	2051	525409.547	4693899.213	13.962	0
2012	525410.426	4693905.230	13.965	0	2052	525410.128	4693900.472	13.871	0
2013	525405.641	4693902.621	14.156	0	2053	525410.262	4693900.359	14.018	0
2014	525405.827	4693901.041	14.103	0	2054	525409.726	4693899.957	13.898	0
2015	525399.267	4693893.961	14.193	0	2055	525408.418	4693898.240	14.000	0
2016	525395.540	4693888.186	14.174	0	2056	525407.212	4693897.273	14.005	0
2017	525400.106	4693892.580	14.075	0	2057	525406.281	4693895.608	14.093	0
2018	525401.997	4693892.710	14.015	0	2058	525408.025	4693895.868	14.172	0
2019	525406.216	4693898.637	14.027	0	2059	525406.324	4693898.607	14.032	0
2020	525397.454	4693897.338	14.391	0	2060	525411.180	4693899.365	14.056	0
2021	525400.364	4693900.436	14.477	0	2061	525411.761	4693901.744	13.955	0
2022	525400.392	4693900.333	14.337	0	2062	525411.954	4693902.064	13.783	0
2023	525403.577	4693903.468	14.369	0	2063	525414.306	4693902.041	13.933	0
2024	525403.582	4693903.246	14.265	0	2064	525415.193	4693902.782	13.900	0
2025	525409.679	4693909.049	14.177	0	2065	525416.649	4693905.208	13.828	0
2026	525409.739	4693908.923	14.078	0	2066	525418.829	4693906.233	13.766	0
2027	525413.702	4693912.654	14.051	0	2067	525419.481	4693906.727	13.742	0
2028	525413.762	4693912.536	13.939	0	2068	525418.292	4693905.490	13.801	0
2029	525417.040	4693915.511	13.928	0	2069	525419.145	4693906.170	13.765	0
2030	525417.126	4693915.393	13.775	0	2070	525421.457	4693908.038	13.685	0
2031	525421.087	4693918.619	13.731	0	2071	525422.409	4693908.811	13.656	0
2032	525421.150	4693918.493	13.588	0	2072	525422.077	4693908.770	13.655	0
2033	525424.981	4693921.316	13.559	0	2073	525422.353	4693908.959	13.648	0
2034	525425.040	4693921.113	13.425	0	2074	525422.923	4693909.178	13.638	0
2035	525429.292	4693923.899	13.415	0	2075	525423.737	4693909.833	13.596	0
2036	525429.381	4693923.784	13.253	0	2076	525424.191	4693910.483	13.562	0
2037	525435.086	4693927.013	13.179	0	2077	525423.614	4693910.656	13.561	0
2038	525435.159	4693926.862	13.006	0	2078	525424.773	4693910.652	13.552	0
2039	525444.060	4693931.600	12.649	0	2079	525425.721	4693911.206	13.635	0
2040	525444.029	4693931.768	12.782	0	2080	525426.541	4693912.053	13.470	0
2041	525448.062	4693933.747	12.443	0	2081	525428.396	4693913.117	13.402	0
2042	525448.020	4693933.892	12.611	0	2082	525429.430	4693913.808	13.481	0

2083	525431.526	4693915.348	13.275	0	2123	525495.599	4693947.767	11.421	0
2084	525431.531	4693915.492	13.265	0	2124	525494.395	4693945.234	11.447	0
2085	525431.779	4693916.178	13.238	0	2125	525494.490	4693944.764	11.668	0
2086	525431.260	4693916.657	13.078	0	2126	525496.809	4693941.633	11.594	0
2087	525426.709	4693913.628	13.400	0	2127	525493.207	4693945.851	11.516	0
2088	525426.742	4693913.823	13.233	0	2128	525491.774	4693945.907	11.567	0
2089	525420.103	4693908.782	13.674	0	2129	525491.918	4693945.824	11.794	0
2090	525420.091	4693908.965	13.495	0	2130	525491.645	4693943.326	11.835	0
2091	525415.437	4693904.873	13.841	0	2131	525489.982	4693942.485	11.843	0
2092	525415.364	4693905.023	13.683	0	2132	525488.229	4693941.654	11.887	0
2093	525507.347	4693957.066	11.497	0	2133	525487.891	4693941.081	11.873	0
2094	525505.799	4693957.422	11.481	0	2134	525487.941	4693940.521	11.881	0
2095	525505.288	4693958.828	11.452	0	2135	525488.316	4693939.507	11.913	0
2096	525505.162	4693958.875	11.316	0	2136	525483.939	4693937.903	11.946	0
2097	525503.788	4693957.119	11.301	0	2137	525483.646	4693938.544	11.941	0
2098	525504.007	4693956.688	11.320	0	2138	525483.163	4693938.874	11.953	0
2099	525504.889	4693956.338	11.401	0	2139	525482.440	4693938.662	11.950	0
2100	525504.590	4693955.950	11.352	0	2140	525476.684	4693935.690	12.011	0
2101	525505.726	4693954.796	11.494	0	2141	525472.079	4693933.343	12.063	0
2102	525503.971	4693952.838	11.563	0	2142	525471.982	4693933.257	11.890	0
2103	525503.009	4693952.041	11.567	0	2143	525475.772	4693923.045	11.976	0
2104	525501.961	4693951.148	11.562	0	2144	525473.036	4693921.981	11.989	0
2105	525501.019	4693950.358	11.565	0	2145	525496.392	4693930.527	12.307	0
2106	525498.387	4693948.083	11.557	0	2146	525482.034	4693940.708	11.905	0
2107	525497.897	4693947.700	11.585	0	2147	525481.865	4693940.772	11.691	0
2108	525497.194	4693947.167	11.600	0	2148	525478.317	4693938.770	11.920	0
2109	525497.037	4693947.128	11.444	0	2149	525478.183	4693938.937	11.753	0
2110	525496.594	4693948.913	11.410	0	2150	525477.561	4693938.551	11.738	0
2111	525496.710	4693948.914	11.475	0	2151	525477.610	4693938.516	11.817	0
2112	525496.548	4693949.954	11.391	0	2152	525476.629	4693940.642	11.674	0
2113	525496.723	4693949.891	11.515	0	2153	525476.391	4693941.087	11.661	0
2114	525495.680	4693951.180	11.324	0	2154	525472.881	4693939.391	11.726	0
2115	525496.938	4693950.752	11.366	0	2155	525476.443	4693939.803	11.672	0
2116	525496.988	4693950.643	11.503	0	2156	525472.889	4693935.954	11.876	0
2117	525499.360	4693952.803	11.307	0	2157	525472.800	4693936.028	11.818	0
2118	525499.438	4693952.633	11.482	0	2158	525472.317	4693935.462	11.894	0
2119	525501.956	4693954.092	11.462	0	2159	525472.137	4693935.376	11.831	0
2120	525501.862	4693954.862	11.443	0	2160	525472.004	4693934.410	11.911	0
2121	525501.774	4693954.968	11.310	0	2161	525471.870	4693934.455	11.856	0
2122	525502.167	4693955.249	11.324	0	2162	525469.621	4693931.023	11.904	0

2163	525469.571	4693931.038	12.069	0	2203	525434.269	4693918.089	13.121	0
2164	525467.729	4693931.804	12.120	0	2204	525434.215	4693918.232	12.946	0
2165	525464.725	4693931.019	12.208	0	2205	525441.736	4693921.878	12.846	0
2166	525464.512	4693930.441	12.242	0	2206	525441.658	4693922.015	12.688	0
2167	525461.980	4693929.475	12.283	0	2207	525441.425	4693923.598	12.716	0
2168	525460.710	4693928.979	12.325	0	2208	525446.608	4693924.415	12.668	0
2169	525459.578	4693928.517	12.397	0	2209	525446.683	4693924.597	12.513	0
2170	525459.049	4693929.358	12.322	0	2210	525452.724	4693927.520	12.463	0
2171	525457.691	4693930.041	12.287	0	2211	525452.680	4693927.663	12.300	0
2172	525458.376	4693928.335	12.362	0	2212	525453.763	4693928.805	12.259	0
2173	525458.350	4693927.938	12.385	0	2213	525461.635	4693932.113	12.133	0
2174	525457.403	4693927.147	12.423	0	2214	525461.747	4693931.887	12.214	0
2175	525457.176	4693927.366	12.408	0	2215	525461.598	4693932.266	12.051	0
2176	525457.983	4693927.849	12.391	0	2216	525464.233	4693933.445	12.150	0
2177	525457.975	4693928.146	12.375	0	2217	525464.215	4693933.604	11.982	0
2178	525457.136	4693928.514	12.365	0	2218	525465.930	4693934.273	12.102	0
2179	525456.411	4693928.008	12.405	0	2219	525467.000	4693934.297	12.085	0
2180	525456.621	4693927.145	12.437	0	2220	525467.074	4693934.459	11.933	0
2181	525454.418	4693925.878	12.622	0	2221	525466.986	4693934.291	12.088	0
2182	525454.067	4693925.932	12.501	0	2222	525467.892	4693934.065	11.909	0
2183	525453.274	4693925.523	12.716	0	2223	525468.508	4693933.249	12.075	0
2184	525453.869	4693926.055	12.499	0	2224	525468.689	4693933.332	11.911	0
2185	525450.885	4693924.396	12.607	0	2225	525480.155	4693946.083	11.453	0
2186	525448.727	4693923.409	12.667	0	2226	525488.980	4693951.035	11.238	0
2187	525447.634	4693923.039	12.708	0	2227	525494.601	4693954.526	11.142	0
2188	525447.813	4693922.853	12.704	0	2228	525500.650	4693959.322	11.123	0
2189	525448.506	4693923.110	12.684	0	2229	525504.117	4693963.485	11.105	0
2190	525447.488	4693922.660	12.721	0	2230	525503.094	4693969.318	10.835	0
2191	525446.745	4693922.235	12.824	0	2231	525500.560	4693973.161	11.074	0
2192	525446.170	4693922.006	12.801	0	2232	525500.892	4693966.363	11.060	0
2193	525443.517	4693920.691	12.829	0	2233	525501.235	4693966.080	10.875	0
2194	525443.024	4693920.415	12.879	0					
2195	525439.709	4693919.818	12.973	0					
2196	525439.025	4693919.424	13.014	0					
2197	525437.490	4693918.800	13.048	0					
2198	525436.300	4693917.868	13.116	0					
2199	525435.439	4693917.444	13.141	0					
2200	525434.455	4693916.875	13.170	0					
2201	525432.891	4693916.245	13.212	0					
2202	525431.838	4693916.138	13.236	0					

3.5. FICHAS: BASES DE REPLANTEO


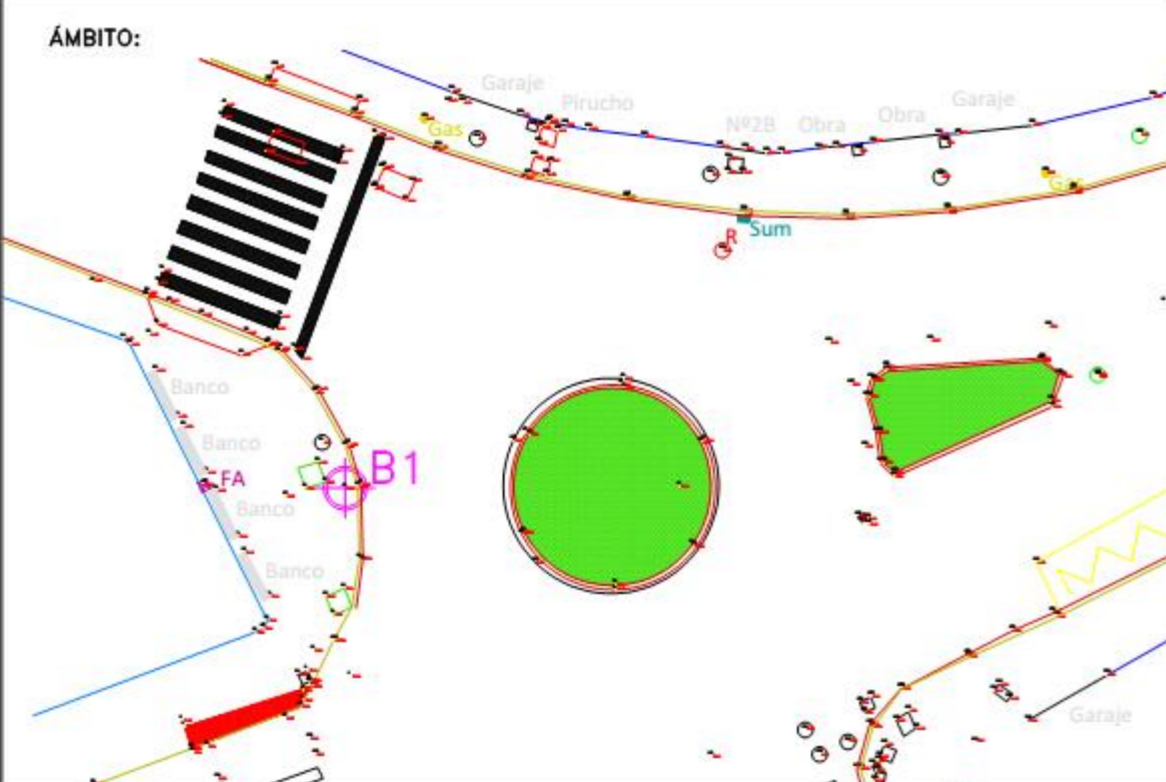
Se adjuntan a continuación las fichas de las bases de replanteo utilizadas: B1, B2, B3, B4, B5, B6, B7, B8, B9 y B10.

Pontevedra, febrero de 2017


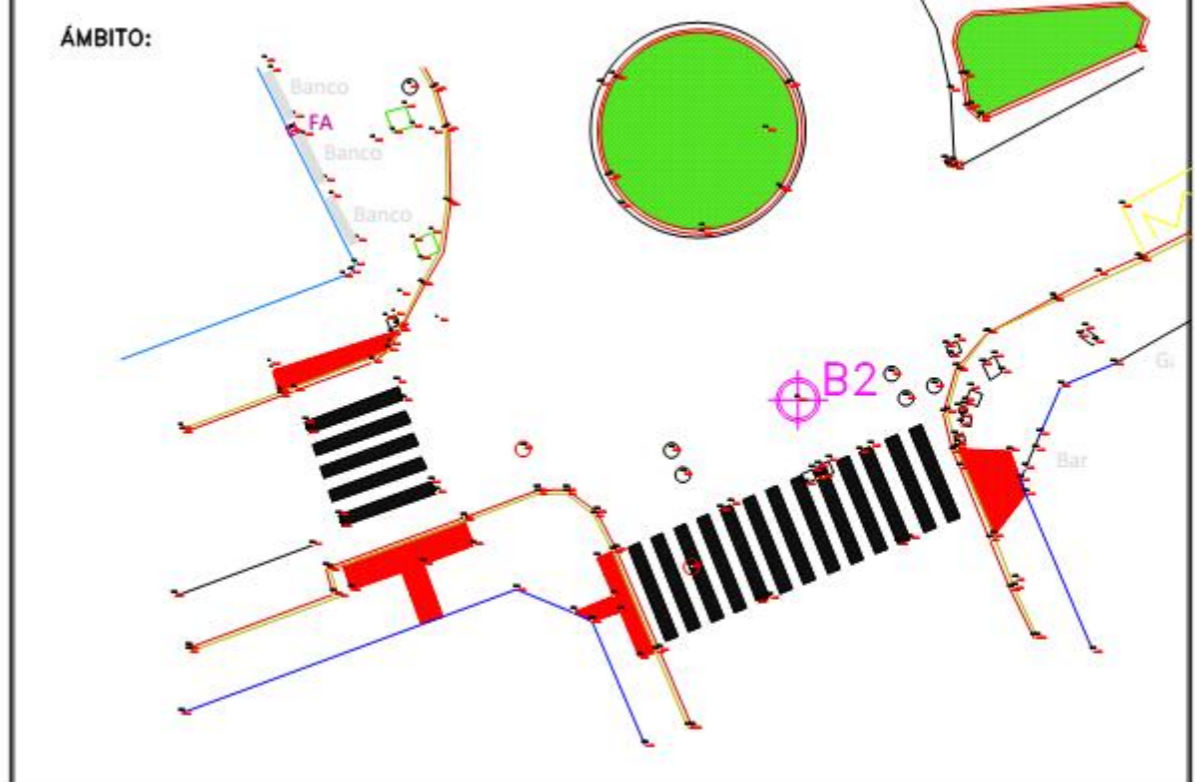
Fdo: Ana López Villanueva

Ingeniera Técnica de Obras Públicas
Colegiada nº 9572


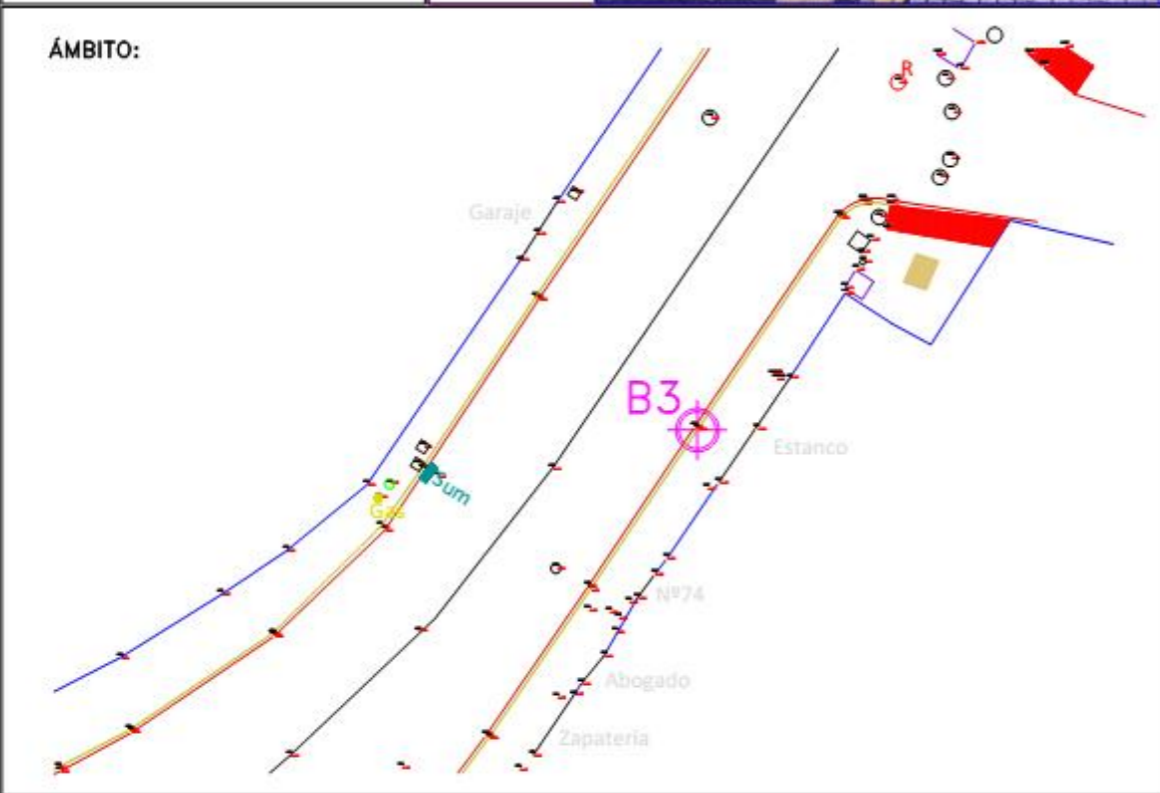
BASE DE REPLANTEO B1:

<p>NOMBRE: B1</p> <p>X: 525092.426</p> <p>Y: 4693412.745</p> <p>Z: 7.120</p>	<p>FOTOGRAFÍA:</p> 
<p>RESEÑA:</p> <p>Clavo en acera</p>	
<p>ÁMBITO:</p> 	


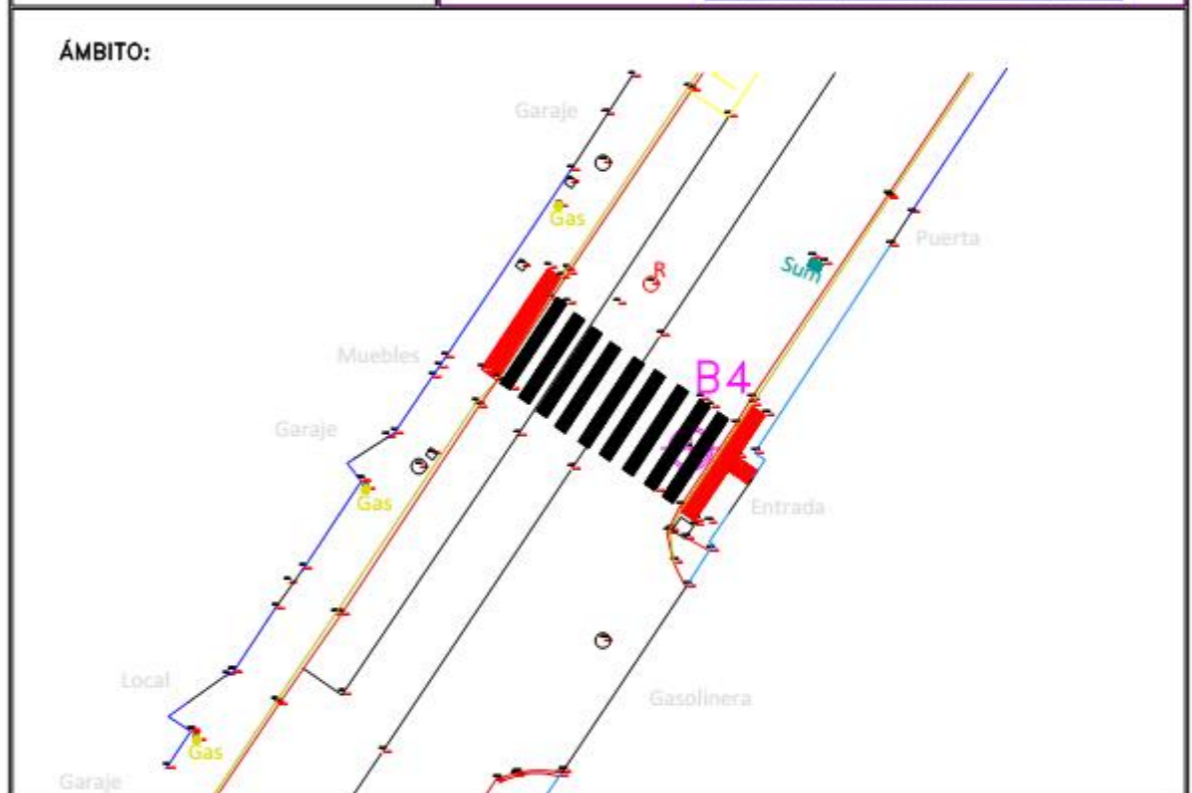
BASE DE REPLANTEO B2:

<p>NOMBRE: B2</p> <p>X: 525106.953</p> <p>Y: 4693402.106</p> <p>Z: 7.892</p>	<p>FOTOGRAFÍA:</p> 
<p>RESEÑA:</p> <p>Clavo en vial</p>	
<p>ÁMBITO:</p> 	


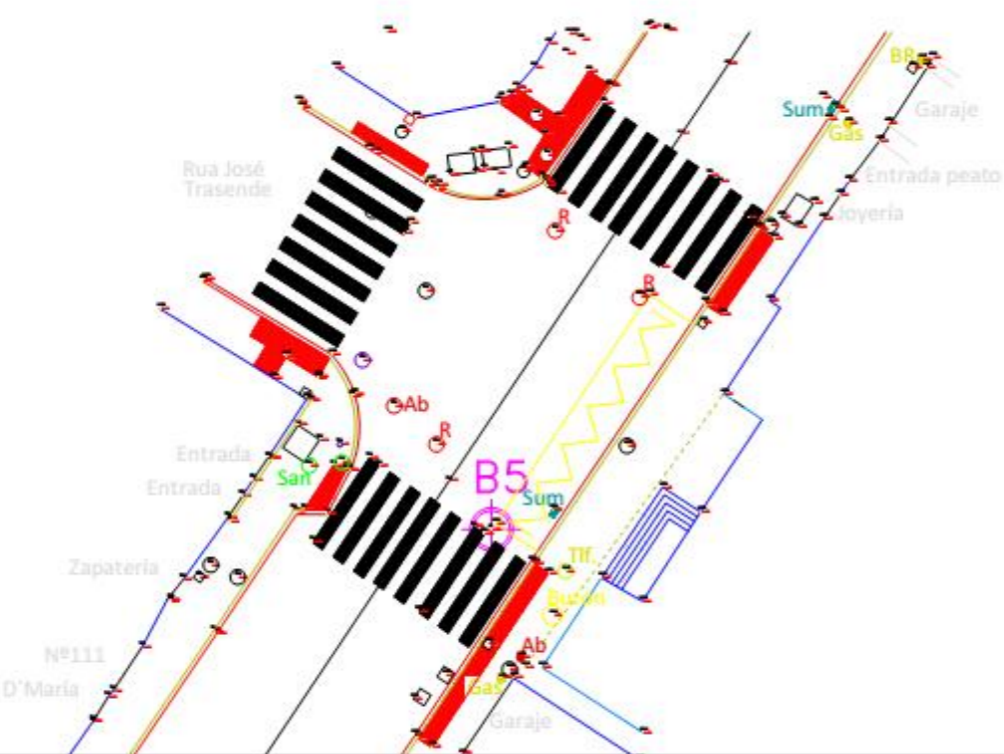
BASE DE REPLANTEO B3:

<p>NOMBRE: B3</p> <p>X: 525157.045</p> <p>Y: 4693441.558</p> <p>Z: 8.448</p>	<p>FOTOGRAFÍA:</p>	
<p>RESEÑA:</p> <p>Clavo en acera</p>		
<p>ÁMBITO:</p> 		


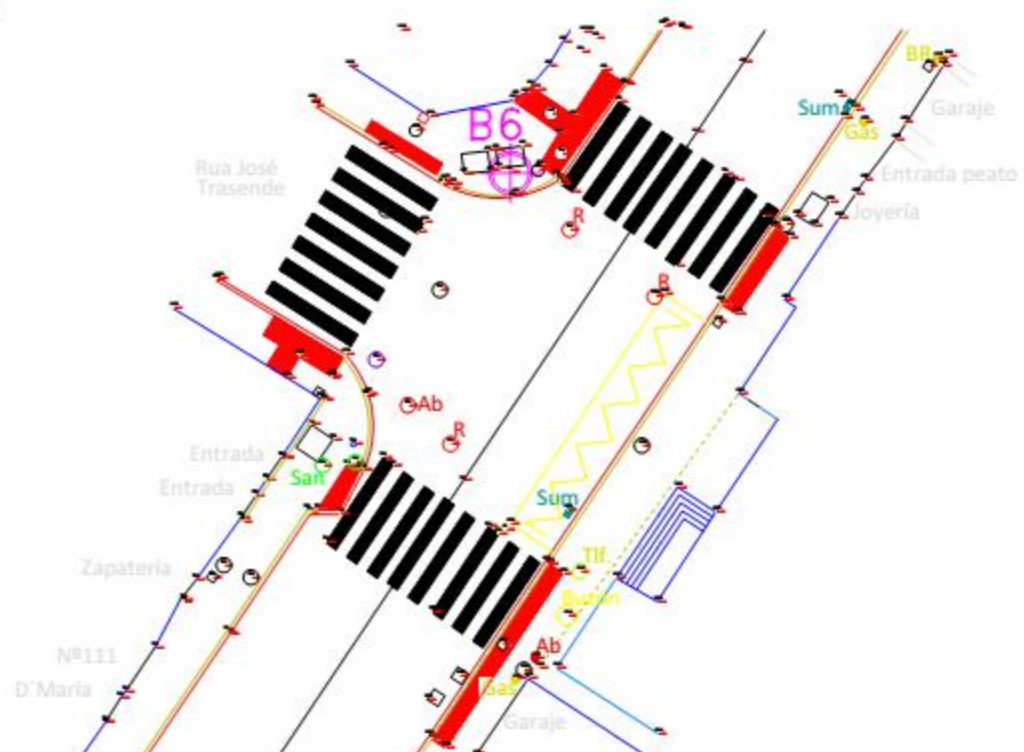
BASE DE REPLANTEO B4:

<p>NOMBRE: B4</p> <p>X: 525217.519</p> <p>Y: 4693532.202</p> <p>Z: 8.294</p>	<p>FOTOGRAFÍA:</p>	
<p>RESEÑA:</p> <p>Clavo en vial</p>		
<p>ÁMBITO:</p> 		


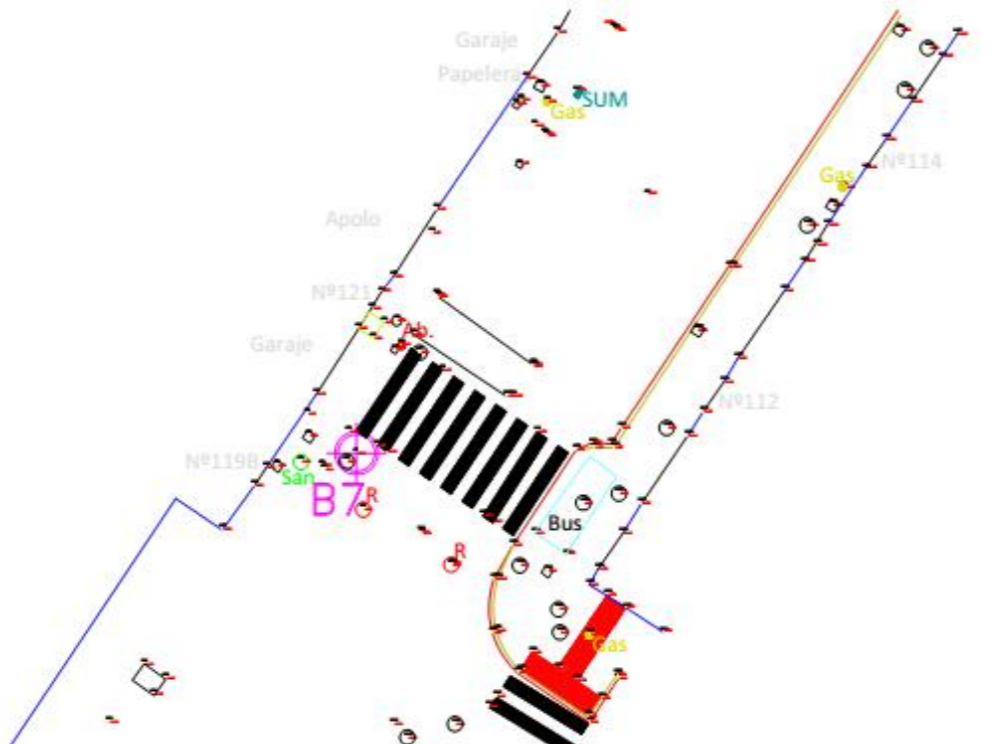
BASE DE REPLANTEO B5:

<p>NOMBRE: B5</p> <p>X: 525287.259</p> <p>Y: 4693638.440</p> <p>Z: 8.548</p>	<p>FOTOGRAFÍA:</p> 
<p>RESEÑA:</p> <p>Clavo en vial</p>	
<p>ÁMBITO:</p> 	


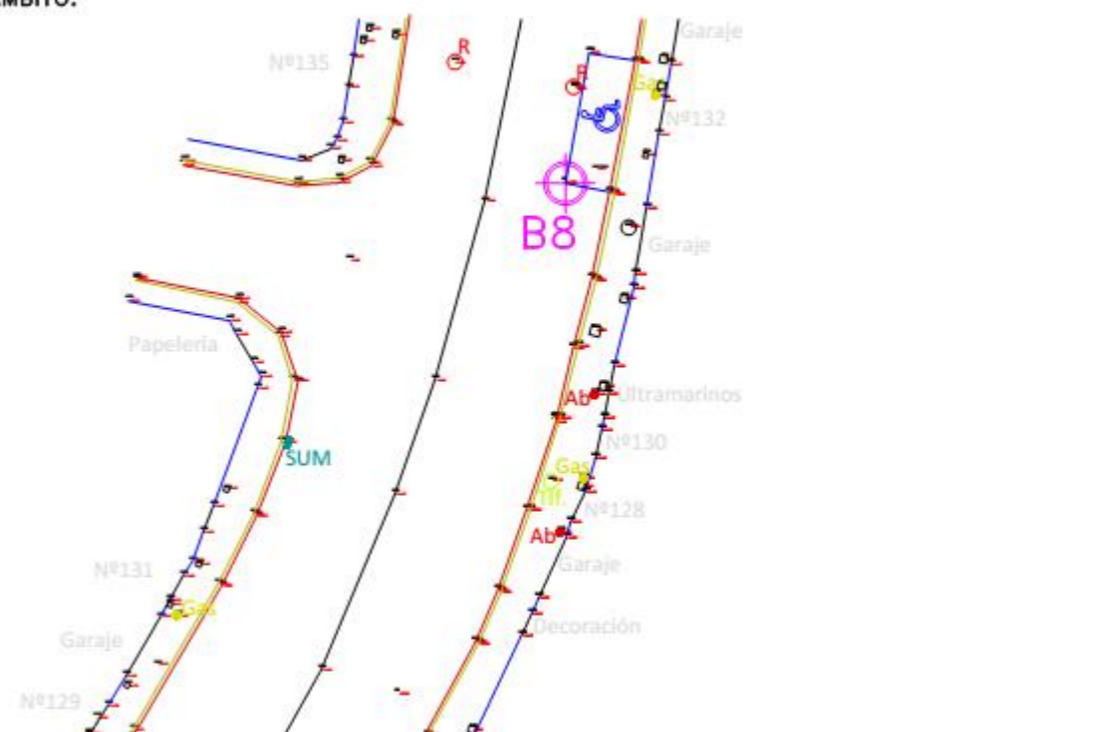
BASE DE REPLANTEO B6:

<p>NOMBRE: B6</p> <p>X: 525287.448</p> <p>Y: 4693652.601</p> <p>Z: 8.639</p>	<p>FOTOGRAFÍA:</p> 
<p>RESEÑA:</p> <p>Clavo en acera</p>	
<p>ÁMBITO:</p> 	



BASE DE REPLANTEO B7:

<p>NOMBRE: B7</p> <p>X: 525325.376</p> <p>Y: 4693706.728</p> <p>Z: 9.540</p>	<p>FOTOGRAFÍA:</p> 
<p>RESEÑA:</p> <p>Clavo en vial</p>	
<p>ÁMBITO:</p> 	


BASE DE REPLANTEOB8

<p>NOMBRE: B8</p> <p>X: 525385.175</p> <p>Y: 4693795.223</p> <p>Z: 12.792</p>	<p>FOTOGRAFÍA:</p> 
<p>RESEÑA:</p> <p>Clavo en vial</p>	
<p>ÁMBITO:</p> 	

BASE DE REPLANTEO B9:

<p>NOMBRE: B9</p> <p>X: 525378.502</p> <p>Y: 4693774.915</p> <p>Z: 12.260</p>	<p>FOTOGRAFÍA:</p> 
<p>RESEÑA:</p> <p>Clavo en vial</p>	
<p>ÁMBITO:</p> 	

BASE DE REPLANTEO B10:

<p>NOMBRE: B10</p> <p>X: 525387.788</p> <p>Y: 4693810.236</p> <p>Z: 13.177</p>	<p>FOTOGRAFÍA:</p> 
<p>RESEÑA:</p> <p>Clavo en vial</p>	
<p>ÁMBITO:</p> 