

2025



INFORME DE ACTIVIDADES DE TOPOGRAFÍA.
MEJORAMIENTO DE VÍAS RURALES MUISCA EN EL MUNICIPIO
DE COTA, CUNDINAMARCA.

PROYECTO COTA

1

Generalidades.

El objetivo del Estudio Topográfico es proporcionar información básica y necesaria basada en informes recopilados y evaluados según datos topográficos tomados encampo y procesados mediante softwares. El objetivo de un levantamiento topográfico es la determinación, tanto en planimetría como en altimetría, de puntos del terreno requerido para la representación gráfica de un determinado sector del terreno:

- Elaborar planos topográficos a escalas adecuadas.
- Proporción de información de base para los estudios de obras de ingeniería.
- Elaborar planos de los elementos representados en campo.

Objetivo general.

Realizar todas las actividades de verificación y control mediante la toma de medidas, siguiendo las especificaciones de cada proyecto.

Personal

En la ejecución de las actividades se contó con la participación de una comisión integrada por:

01topografo.

01cadenero.

Equipos utilizados:

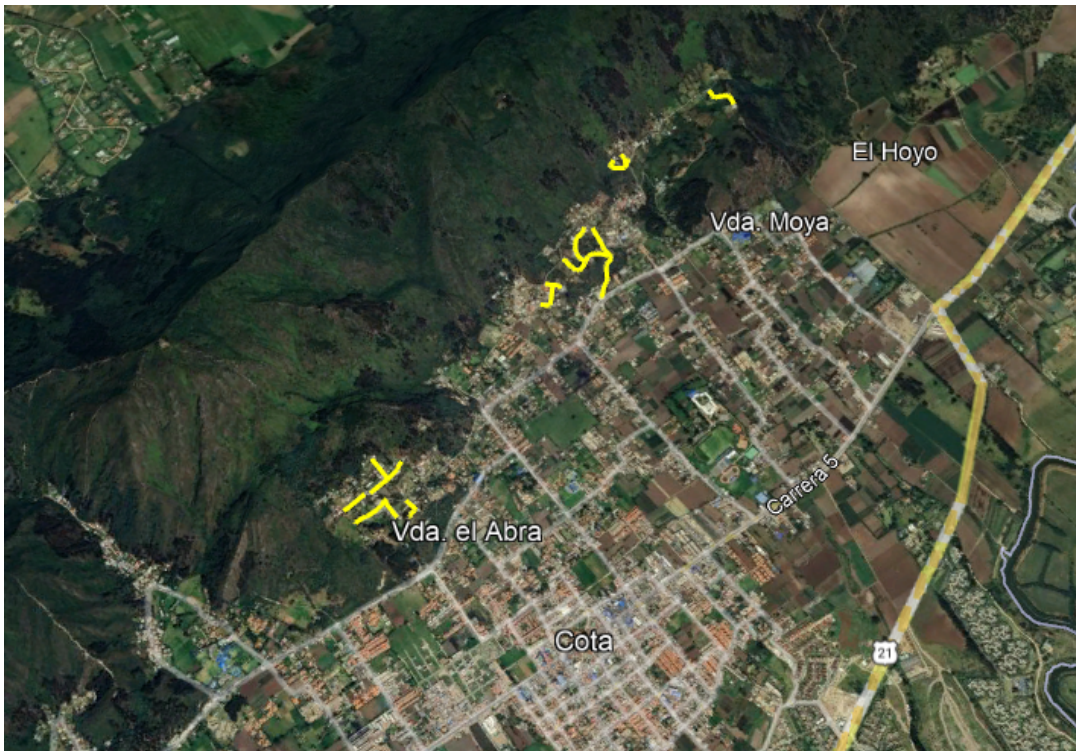


CHC i5 GNSS

Equipos de Campo

Descripción	Tipo y Modelo	Identificación Serial
GPS DOBLE FRECUENCIA	CHC i5 GNSS	
Equipo Complementario de Campo, trípodes, bípode, radios de comunicación, bastones con ojo de pollo, etc.		

Ubicación proyecto:



Metodología

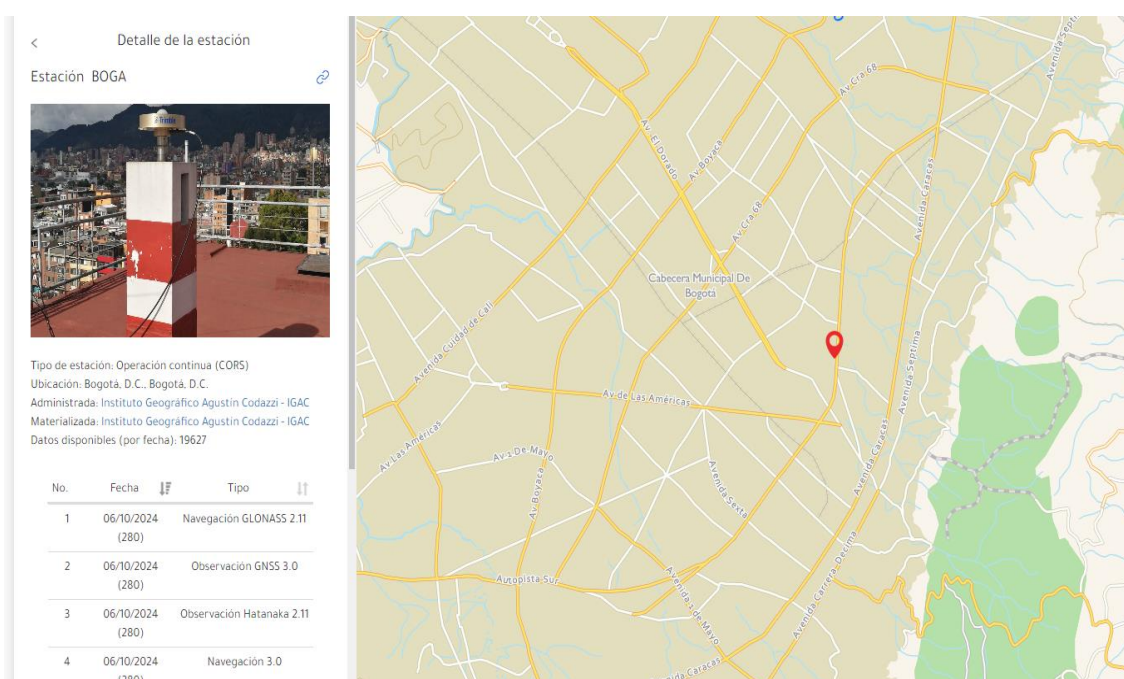
- Visita y reconocimiento del proyecto.
- Verificación de datos de la zona intervenida.
- Cálculo de cartera.
- Levantamiento topográfico.
- Actualización de planos.

AMARRE GEODESICO

Modalidad Estático.

Posicionamiento GPS amarrado a punto geodésico perteneciente al IGAC (Instituto Geográfico Agustín Codazzi), cuyas coordenadas son reales y aptas para realizarel ajuste de los puntos nuevos a georreferenciar.

Para este caso específico se utilizó antena activa boga ubicado en zona urbana del Municipio de Bogotá DC, con altura elipsoidal certificada.



En sector rural cercano al sitio de estudios se instalaron dos mojones con placas de aluminios identificadas como GPS1 y GPS2 los cuales se posicionaron GPS DOBLE FRECUENCIA CHC X91 que recepcionarán información satelital durante un periodo de dos horas generando datos crudos que son subidos al software Topcon Tools y son amarrados al punto de control certificado por el IGAC.

1. RESULTADOS.

Coordenadas reales Gauss kruger origen Bogotá central (IGAC) cotas ORTOMETRICAS.



Project Summary

Project name: **Amarre cota septiembre_2024.ttp**
Surveyor:
Comment:
Linear unit: **Meters**
Projection: **MAGNA IGAC Bogota**
Geoid:

Points

Name	Grid Northing (m)	Grid Easting (m)	Elevation (m)	Code
BOGA	1004697.847	999729.074	2609.688	
GPS1	1025763.022	996972.629	2665.177	
GPS2	1025819.839	996983.356	2669.352	

Coordenadas reales Gauss kruger origen UNICO NACIONAL (IGAC) cotas ORTOMETRICAS.



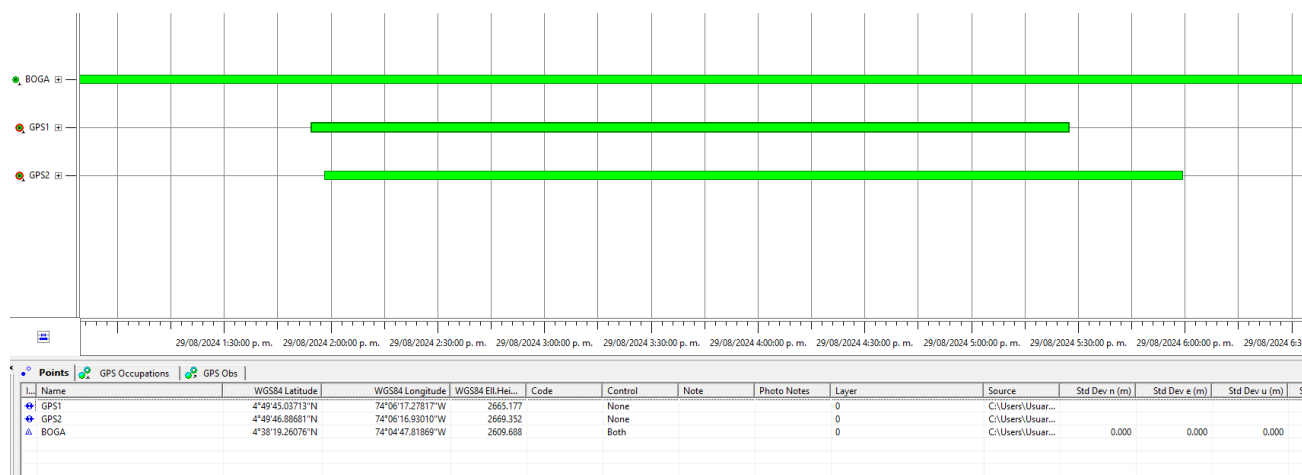
Project Summary

Project name: **Amarre cota septiembre_2024.ttp**
Surveyor:
Comment:
Linear unit: **Meters**
Projection: **Magna Nacional_CTM12**
Geoid:

Points

Name	Grid Northing (m)	Grid Easting (m)	Elevation (m)	Code
BOGA	2070660.769	4880260.530	2609.688	
GPS1	2091717.167	4877538.471	2665.177	
GPS2	2091773.932	4877549.281	2669.352	

Traslapos de posicionamiento.



Precisiones Obtenidas.



Project Summary

Project name: Amarre cota septiembre_2024.ttp

Created by:

Comment:

Linear unit: Meters

GPS Obs Quality

Name	dN (m)	dE (m)	dHt (m)	Horz RMS (m)	Vert RMS (m)
BOGA-GPS1	21056.372	-2722.028	80.877	0.016	0.033
BOGA-GPS2	21113.163	-2711.248	85.065	0.014	0.007
GPS1-GPS2	56.765	10.811	4.175	0.001	0.002

2. UBICACIÓN EN CAMPO



LEVANTAMIENTO TOPOGRÁFICO

Se realiza mediciones topográficas a través de levantamientos y bajo un sistema de coordenadas definido que permitan la estructuración altiplanimétrica y representativa de la zona a intervenir.

El equipo utilizado en campo fueron los GNSS compuestos por una base y un rover. Se inicia instalando el equipo base sobre un mojón o auxiliar con coordenadas de referencias establecidos en el proyecto. Posteriormente se enlaza o se conecta el rover con el cual se realiza las mediciones topográficas. En dicho levantamiento se tiene como referencias puntos destacados como hombros y patas de taludes, cuneta, vías, árboles, terreno natural, entre otros elementos.

Posteriormente en oficina se realiza el procesamiento de datos recolectados y se obtiene una nube de puntos extensa que servirán como referencias para la construcción de un plano tridimensional.

Registro fotográfico:

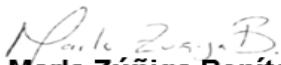




CONCLUSIONES Y RECOMENDACIONES

- El levantamiento topográfico para mejoramiento de vías secundarias y terciarias, en el Municipio de Cota se desarrolló cumpliendo los requisitos básicos establecidos en los términos de referencia de este proyecto en particular, siendo amarrado al sistema de coordenadas de la red topográfica de apoyo de GPS.
- Para el proceso de construcción quedan materializados puntos localizados a todo lo largo del corredor garantizándose el buen desarrollo del proyecto.
- En el levantamiento topográfico que se ejecutó dentro del proyecto de estudio se utilizó un equipo GNSS. Este Equipo fue revisado y calibrado con anterioridad para garantizar su funcionalidad exactitud.
- Se ha procesado la información planimétrica y altimétrica arrojando pendientes longitudinales que oscilan entre 1% y 22%, información necesaria para la fase de diseño geométrico.
- Los productos cartográficos generados son consistentes y reflejan fielmente las condiciones actuales del emplazamiento, sirviendo como base fiable para la ingeniería de detalle.

Elaborado por:



Marla Zúñiga Benítez

Topógrafa

TP 01-15700

NUMERO	NORTE	ESTE	COTA	CODIGO
1	1025762.47	996972.387	2692.171	BV
2	1025763.97	996971.381	2692.216	BV
3	1025765.46	996970.699	2692.284	BV
4	1025767.08	996970.728	2692.331	BV
5	1025769.91	996970.636	2692.452	BV
6	1025773.53	996971.452	2692.648	BV
7	1025777.84	996972.637	2692.991	BV
8	1025781.76	996973.589	2693.315	BV
9	1025786.52	996974.867	2693.99	BV
10	1025790.25	996975.853	2694.367	BV
11	1025795.07	996977.056	2695.034	BV
12	1025798.3	996977.76	2695.332	BV
13	1025801.9	996978.466	2695.556	BV
14	1025806.25	996979.321	2695.789	BV
15	1025810.01	996979.714	2695.916	BV
16	1025814.1	996979.657	2696.114	BV
17	1025820.01	996979.005	2696.328	BV
18	1025820.44	996982.407	2696.409	BV
19	1025817.19	996983.091	2696.233	BV
20	1025813.43	996983.765	2696.13	BV
21	1025811.74	996983.156	2696.109	MH
22	1025810.9	996983.917	2696.026	BV
23	1025807.55	996983.885	2695.849	BV
24	1025803.37	996983.52	2695.631	BV
25	1025799.08	996982.83	2695.298	BV
26	1025793.48	996982.051	2694.916	BV
27	1025791.8	996981.728	2694.718	BV
28	1025785.95	996980.102	2693.999	BV
29	1025781.41	996978.898	2693.336	BV
30	1025777.03	996977.895	2692.736	BV
31	1025771.72	996977.035	2692.276	BV
32	1025768.64	996976.195	2692.141	BV
33	1025765.83	996976.347	2691.994	BV
34	1025762.57	996977.458	2691.904	BV
35	1025758.75	996979.738	2691.599	BV
36	1025756.29	996976.821	2691.816	BV
37	1025764.4	996974.074	2692.191	MH
38	1025781.13	996972.868	2693.235	MH
39	1025774.16	996968.946	2693.711	POSTE
40	1025772.82	996968.253	2694.014	POSTE
41	1025786.61	996972.697	2695.214	TN
42	1025786.56	996972.851	2694.215	TN
43	1025786.57	996973.815	2693.965	BV
44	1025784.94	996972.282	2693.767	BV
45	1025775.91	996971.028	2692.964	BV

46	1025780.53	996970.715	2693.167	EJE
47	1025774.74	996970.198	2693.149	TN
48	1025773.72	996969.822	2693.248	TN
49	1025773.38	996968.05	2694.06	TN
50	1025774.04	996967.48	2694.05	BV
51	1025775.59	996966.451	2693.921	EJE
52	1025776.87	996965.065	2693.977	BV
53	1025777.78	996964.368	2694.651	LIN
54	1025780.36	996966.128	2694.895	LIN
55	1025780.01	996966.623	2694.11	TN
56	1025779.5	996967.233	2693.669	BV
57	1025782.7	996970.486	2693.499	BV
58	1025777.97	996968.478	2693.427	EJE
59	1025775.67	996964.383	2694.216	ACCESO
60	1025777.48	996964.137	2694.778	ACCESO
61	1025777.57	996963.197	2695.012	ACCESO
62	1025774.24	996962.919	2694.611	ACCESO
63	1025776.34	996962.946	2694.686	ACCESO
64	1025774.61	996962.067	2695.657	TN
65	1025774.28	996962.51	2694.812	TN
66	1025773.74	996962.93	2694.644	BV
67	1025772.47	996964.151	2694.693	EJE
68	1025771.5	996965.76	2694.532	BV
69	1025771.27	996966.014	2694.634	TN
70	1025770.66	996967.418	2694.339	TN
71	1025765.01	996965.64	2695.527	TN
72	1025764.96	996964.866	2695.556	BV
73	1025764.93	996963.214	2695.483	EJE
74	1025764.82	996961.562	2695.634	BV
75	1025764.86	996961.038	2695.676	TN
76	1025764.95	996960.671	2696.504	TN
77	1025756.49	996961.127	2697.379	TN
78	1025756.3	996961.39	2697.138	TN
79	1025756.2	996961.742	2696.935	BV
80	1025755.97	996963.841	2696.936	EJE
81	1025756.04	996965.682	2697.118	BV
82	1025756.05	996966.552	2697.17	TN
83	1025755.94	996967.593	2697.131	TN
84	1025750.17	996967.291	2698.276	TN
85	1025750.76	996965.505	2698.051	BV
86	1025750.97	996963.707	2697.917	EJE
87	1025751.07	996961.729	2698.01	BV
88	1025749.58	996966.521	2698.746	CASETA
89	1025748.66	996965.493	2698.766	CASETA
90	1025747.04	996966.717	2698.65	CASETA
91	1025747.98	996968.126	2698.215	CASETA
92	1025750.74	996961.467	2698.195	BV

93	1025750.93	996960.394	2698.541	BV
94	1025751.69	996959.849	2698.647	BV
95	1025751.67	996960.577	2698.528	TN
96	1025750.94	996958.376	2698.743	EJE
97	1025750.4	996957.349	2698.864	BV
98	1025750.43	996956.752	2699.529	TN
99	1025745.84	996958.465	2699.709	TN
100	1025745.71	996958.975	2699.275	BV
101	1025742.94	996960.304	2699.523	BV
102	1025756.27	996953.988	2699.813	TN
103	1025756.51	996954.663	2699.326	BV
104	1025757.3	996956.265	2699.182	EJE
105	1025758.17	996957.968	2699.232	BV
106	1025758.43	996958.867	2699.157	TN
107	1025758.8	996959.606	2699.156	TN
108	1025765.83	996956.784	2699.345	TN
109	1025765.66	996956.253	2699.543	TN
110	1025765.39	996955.753	2699.627	BV
111	1025764.8	996954.032	2699.671	EJE
112	1025764.31	996952.523	2700.021	BV
113	1025764.44	996951.89	2699.988	ARB
114	1025770.57	996949.874	2700.753	TN
115	1025770.66	996950.255	2700.352	BV
116	1025771.42	996951.816	2700.157	EJE
117	1025772.03	996952.982	2700.082	BV
118	1025772.66	996954.218	2699.789	TN
119	1025777.36	996952.796	2700.571	TN
120	1025776.98	996951.359	2700.786	BV
121	1025776.69	996950.572	2700.776	EJE
122	1025776.21	996948.939	2701.009	BV
123	1025779.04	996948.957	2701.281	MH
124	1025779.17	996951.551	2701.046	POSTE
125	1025739.49	996965.893	2700.006	POSTE
126	1025739.67	996964.557	2699.971	BV
127	1025739.8	996962.823	2699.938	EJE
128	1025739.92	996960.904	2699.983	BV
129	1025739.98	996960.31	2700.125	TN
130	1025740.19	996959.527	2701.34	TN
131	1025736.58	996958.916	2702.163	TN
132	1025736.09	996959.159	2700.984	BV
133	1025734.92	996960.812	2701.002	EJE
134	1025733.88	996962.011	2701.114	BV
135	1025733.38	996963.049	2701.143	TN
136	1025733.01	996964.468	2701.096	TN
137	1025728.89	996958.031	2702.228	TN
138	1025730.28	996957.676	2702.233	BV
139	1025731.71	996956.769	2702.194	EJE

140	1025732.74	996956.032	2702.273	BV
141	1025733.47	996955.55	2702.464	TN
142	1025733.84	996955.199	2703.053	TN
143	1025734.37	996954.991	2703.163	TN
144	1025744.95	996961.521	2699.238	MH
145	1025763.56	996971.594	2692.228	GPS-1
146	1025820.38	996982.317	2696.395	GPS-2
147	1025725.18	996948.493	2704.287	TN
148	1025725.92	996948.026	2704.266	BV
149	1025727.11	996947.301	2704.322	EJE
150	1025728.28	996946.796	2704.341	BV
151	1025728.98	996946.727	2704.37	TN
152	1025729.31	996946.406	2705.091	TN
153	1025727.21	996942.831	2705.386	TN
154	1025726.85	996943.069	2704.956	TN
155	1025726.23	996942.848	2705.038	BV
156	1025724.96	996943.428	2704.969	EJE
157	1025723.55	996943.989	2704.918	BV
158	1025722.4	996944.224	2704.926	TN
159	1025721.16	996944.715	2704.877	TN
160	1025728.84	996942.382	2706.122	ACCESO
161	1025730.08	996940.247	2706.214	ACCESO
162	1025726.68	996938.783	2705.59	ACCESO
163	1025725	996939.095	2705.39	BV
164	1025727.47	996937.988	2706.829	TN
165	1025727.2	996938.05	2705.718	TN
166	1025726.6	996936.86	2706.819	TN
167	1025725.88	996937.097	2705.833	TN
168	1025724.67	996937.218	2705.735	BV
169	1025723.32	996937.461	2705.68	EJE
170	1025722.09	996937.904	2705.669	BV
171	1025721.15	996938.228	2705.53	TN
172	1025720.45	996939.494	2705.117	ARB
173	1025719.69	996932.108	2706.329	POSTE
174	1025718.63	996932.099	2705.969	TN
175	1025720.12	996931.77	2706.359	BV
176	1025721.1	996931.373	2706.362	EJE
177	1025722.28	996930.844	2706.415	BV
178	1025722.79	996930.526	2706.607	TN
179	1025723.36	996930.191	2707.286	TN
180	1025719.42	996920.785	2708.493	TN
181	1025718.99	996920.764	2707.97	TN
182	1025718.43	996920.952	2707.844	BV
183	1025717.36	996921.182	2707.746	EJE
184	1025715.93	996921.407	2707.666	BV
185	1025714.77	996921.731	2707.6	TN
186	1025714.21	996922.134	2706.977	TN

187	1025710.9	996909.347	2709.294	TN
188	1025711.51	996909.126	2709.893	TN
189	1025713.13	996909.175	2710.109	BV
190	1025714.59	996909.08	2710.079	EJE
191	1025716.08	996909.012	2710.143	BV
192	1025716.92	996909.664	2710.309	TN
193	1025717.36	996909.545	2711.042	TN
194	1025710.75	996900.325	2711.376	TN
195	1025711.38	996900.363	2711.636	TN
196	1025712.34	996900.373	2711.929	BV
197	1025713.8	996900.438	2711.968	EJE
198	1025715.75	996900.864	2712.094	BV
199	1025716.74	996901.208	2712.278	TN
200	1025717.64	996901.366	2712.535	TN
201	1025718.66	996900.677	2713.025	TN
202	1025718.41	996899.392	2713.551	TN
203	1025718.06	996898.154	2713.499	BV
204	1025716.93	996896.065	2713.404	EJE
205	1025715.74	996894.78	2713.522	BV
206	1025714.18	996893.722	2713.611	TN
207	1025712.23	996892.835	2713.624	TN
208	1025722.67	996895.849	2715.373	TN
209	1025722.59	996896.11	2714.814	BV
210	1025722.16	996897.163	2714.544	EJE
211	1025721.7	996898.441	2714.479	BV
212	1025741.21	996904.512	2718.924	PORTON
213	1025742.04	996900.412	2719.347	PORTON
214	1025738.3	996895.861	2719.489	ACCESO
215	1025736.46	996896.998	2718.918	ACCESO
216	1025736.77	996900.394	2717.803	ACCESO
217	1025740.23	996900.462	2718.961	ACCESO
218	1025740.26	996900.52	2718.942	BV
219	1025740.25	996902.061	2718.827	EJE
220	1025740.15	996903.308	2718.73	BV
221	1025740.02	996904.567	2718.508	TN
222	1025731.81	996903.923	2716.35	TN
223	1025731.83	996903.346	2716.599	TN
224	1025732.04	996902.828	2716.557	BV
225	1025732.18	996901.581	2716.468	EJE
226	1025732.53	996900.244	2716.703	BV
227	1025732.05	996899.554	2716.913	TN
228	1025732.08	996899.406	2717.394	TN
229	1025724.34	996896.308	2715.848	TN
230	1025724.2	996896.866	2715.117	BV
231	1025724.2	996898.43	2715.038	EJE
232	1025723.84	996899.746	2715.065	BV
233	1025723.9	996900.093	2715.198	TN

234	1025723.63	996900.897	2714.901	TN
235	1025715.57	996897.981	2712.998	FIN_TRAMO_11
236	1025719.26	996925.762	2706.974	E_POSIBLE_OBRA
237	1025714.59	996922.504	2707.563	TN
238	1025715.46	996924.421	2707.22	TN
239	1025716.28	996926.37	2706.76	TN
240	1025717.18	996928.408	2706.686	TN
241	1025717.71	996929.793	2706.378	TN
242	1025716.48	996929.89	2705.617	TN
243	1025714.63	996927.247	2705.676	TN
244	1025714.52	996925.89	2706.149	TN
245	1025713.78	996923.481	2706.692	TN
246	1025719.38	996921.252	2708.857	TN
247	1025723.52	996927.916	2707.779	TN
248	1025721.84	996926.995	2707.518	TN
249	1025722.23	996925.187	2708.078	TN
250	1025721.68	996924.342	2708.157	TN
251	1025770.15	996963.267	2694.841	MH
252	1025779.27	996971.607	2693.136	ICIO_TRAMO_11
253	1026170.21	997230.777	2770.751	PLACA_E
254	1026173.85	997228.59	2770.884	PLACA_E
255	1026177.55	997233.938	2771.595	PLACA_E
256	1026174.5	997236.819	2771.61	PLACA_E
257	1026174.23	997239.591	2771.432	PLACA_E
258	1026177.38	997244.018	2771.802	PLACA_E
259	1026178.98	997242.744	2772.282	PLACA_E
260	1026180.34	997243.95	2772.373	PLACA_E
261	1026183.41	997241.474	2772.599	PLACA_E
262	1026182.39	997239.956	2772.389	PLACA_E
263	1026176.06	997242.233	2771.622	ICIO_TRAMO_12
264	1026174.24	997239.868	2771.448	BV
265	1026173.05	997239.084	2771.322	TN
266	1026171.77	997237.929	2771.058	TN
267	1026177.31	997244.175	2771.826	BV
268	1026178.08	997245.303	2772.081	TN
269	1026178.38	997246.643	2772.242	TN
270	1026170.8	997252.404	2771.565	TN
271	1026169.59	997250.961	2771.343	BV
272	1026168.43	997249.662	2771.354	EJE
273	1026167.08	997248.216	2771.221	BV
274	1026166.57	997247.53	2771.188	TN
275	1026166.1	997246.886	2771.008	TN
276	1026163.23	997256.869	2772.599	ARB
277	1026168.64	997252.553	2772.256	TN
278	1026167.53	997252.148	2771.499	TN
279	1026158.96	997261.1	2774.702	TN
280	1026158.77	997260.994	2773.395	BV

281	1026157.26	997260.143	2773.07	EJE
282	1026156.15	997259.478	2772.912	BV
283	1026154.99	997258.53	2772.997	TN
284	1026154.51	997258.125	2772.398	TN
285	1026154.56	997258.182	2772.382	TN
286	1026146.76	997267.681	2773.051	TN
287	1026147.19	997268.026	2773.334	TN
288	1026148.04	997268.795	2773.535	BV
289	1026148.88	997269.483	2773.562	EJE
290	1026149.85	997270.105	2773.555	BV
291	1026150.49	997270.555	2773.695	TN
292	1026150.76	997270.569	2774.408	TN
293	1026148.77	997277.205	2775.102	TN
294	1026148.5	997277.194	2774.218	TN
295	1026147.95	997277.306	2774.187	BV
296	1026146.74	997276.939	2774.143	EJE
297	1026145.39	997276.63	2774.086	BV
298	1026144.5	997276.531	2774.175	TN
299	1026143.16	997276.782	2773.893	TN
300	1026144.84	997286.283	2775.853	TN
301	1026145.5	997286.938	2776.239	TN
302	1026146.24	997286.697	2776.249	BV
303	1026147.68	997286.378	2776.223	EJE
304	1026149.18	997286.001	2776.508	BV
305	1026149.65	997285.778	2777.558	TN
306	1026151.82	997294.862	2780.398	TN
307	1026151.55	997295.119	2779.179	BV
308	1026150.45	997295.699	2779.017	EJE
309	1026149.12	997296.423	2779.026	BV
310	1026148.82	997296.596	2779.348	TN
311	1026147.57	997297.009	2779.575	TN
312	1026154.78	997304.31	2783.273	TN
313	1026154.43	997304.199	2782.468	TN
314	1026154.14	997304.473	2782.333	BV
315	1026152.76	997305.277	2782.113	EJE
316	1026151.67	997305.874	2782.278	BV
317	1026150.97	997306.202	2782.346	TN
318	1026150.51	997306.214	2782.536	TN
319	1026157.19	997316.174	2785.645	TN
320	1026156.2	997316.273	2785.189	BV
321	1026154.91	997316.467	2785.131	EJE
322	1026153.44	997316.652	2785.213	BV
323	1026152.95	997316.849	2785.152	TN
324	1026152.29	997316.958	2785.362	TN
325	1026151.67	997325.213	2788.045	TN
326	1026152.65	997325.621	2787.547	BV
327	1026154.09	997325.625	2787.263	EJE

328	1026155.28	997325.693	2787.342	BV
329	1026156.66	997325.606	2787.616	TN
330	1026157.22	997325.522	2788.197	TN
331	1026154.71	997328.475	2788.12	FIN_TRAMO_12
332	1026160.77	997332.394	2789.672	TN
333	1026159.17	997332.971	2789.929	TN
334	1026158	997333.577	2790.017	BV
335	1026156.26	997334.157	2790.172	EJE
336	1026154.21	997334.21	2790.268	BV
337	1026153.14	997334.053	2790.329	TN
338	1026152.23	997334.215	2790.532	TN
339	1026151.22	997337.512	2792.12	TN
340	1026151.57	997337.54	2791.949	TN
341	1026153.31	997338.543	2791.991	BV
342	1026154.72	997339.395	2791.831	EJE
343	1026156.55	997339.887	2791.975	BV
344	1026157.7	997340.326	2791.868	TN
345	1026159.43	997340.702	2791.784	TN
346	1026151.33	997347.29	2795.003	TN
347	1026150.99	997346.854	2794.687	TN
348	1026150.78	997346.53	2794.457	BV
349	1026149.68	997345.164	2794.352	EJE
350	1026148.54	997343.643	2794.256	BV
351	1026147.8	997342.658	2794.212	TN
352	1026147.1	997342.024	2794.27	TN
353	1026142.31	997346.531	2796.512	TN
354	1026142.43	997346.91	2796.25	TN
355	1026142.84	997347.553	2796.333	BV
356	1026143.75	997349.052	2796.372	EJE
357	1026144.86	997350.822	2796.458	BV
358	1026145.18	997351.288	2796.725	TN
359	1026145.45	997351.73	2797.001	TN
360	1026181.86	997242.948	2772.507	ICIO_TRAMO_13
361	1026184.63	997240.971	2773.022	LIN
362	1026183.94	997241.352	2772.768	TN
363	1026183.4	997242.215	2772.69	RIEL
364	1026182.8	997242.63	2772.652	RIEL
365	1026181.89	997243.276	2772.6	RIEL
366	1026181.42	997243.723	2772.563	RIEL
367	1026180.67	997244.851	2772.503	TN
368	1026179.76	997247.276	2772.656	TN
369	1026184.56	997252.682	2774.131	LIN
370	1026189.73	997251.93	2774.798	LIN
371	1026190.24	997251.228	2774.344	TN
372	1026190.87	997250.393	2774.378	RIEL
373	1026191.26	997249.844	2774.43	RIEL
374	1026191.54	997249.466	2774.411	EJE

375	1026191.79	997248.983	2774.43	RIEL
376	1026192.11	997248.442	2774.437	RIEL
377	1026192.54	997247.851	2774.405	TN
378	1026192.88	997247.191	2774.548	LIN
379	1026202.13	997252.43	2775.866	LIN
380	1026202	997252.592	2775.86	TN
381	1026201.59	997253.29	2775.967	RIEL
382	1026201.24	997253.995	2775.97	RIEL
383	1026201.02	997254.401	2776.019	EJE
384	1026200.8	997254.827	2775.999	RIEL
385	1026200.45	997255.373	2775.994	RIEL
386	1026199.93	997256.431	2776.025	TN
387	1026199.74	997256.578	2776.552	LIN
388	1026208.98	997261.58	2778.266	LIN
389	1026209.32	997261.243	2777.683	TN
390	1026209.98	997260.412	2777.572	RIEL
391	1026210.32	997259.758	2777.566	RIEL
392	1026210.51	997259.404	2777.583	EJE
393	1026210.77	997259.02	2777.541	RIEL
394	1026211.21	997258.388	2777.52	RIEL
395	1026211.73	997257.64	2777.512	LIN
396	1026218.76	997261.762	2778.848	LIN
397	1026221.11	997259.511	2779.041	LIN
398	1026223.5	997265.395	2779.668	LIN
399	1026218.99	997264.136	2779.124	ACCESO
400	1026220.83	997262.7	2779.274	ACCESO
401	1026223.11	997261.5	2779.324	ACCESO
402	1026224.99	997263.568	2779.243	ACCESO
403	1026218.52	997269.531	2779.842	LIN
404	1026218.87	997269.465	2779.624	TN
405	1026217.92	997266.321	2779.176	RIEL
406	1026218.26	997265.747	2779.128	RIEL
407	1026218.48	997265.374	2779.053	EJE
408	1026218.72	997264.748	2779.032	RIEL
409	1026218.91	997264.086	2779.022	RIEL
410	1026222.3	997266.66	2779.359	ACCESO
411	1026223.43	997267.543	2779.594	BV
412	1026222.1	997268.581	2779.628	EJE
413	1026220.89	997269.524	2779.661	BV
414	1026219.49	997269.963	2779.717	TN
415	1026219.27	997270.363	2780.14	LIN
416	1026230.05	997280.921	2781.141	POSTE
417	1026229.69	997280.926	2781.09	LIN
418	1026230.85	997280.072	2780.925	BV
419	1026231.72	997279.068	2780.873	EJE
420	1026232.82	997277.933	2780.83	BV
421	1026233.79	997276.796	2780.477	LIN

422	1026238.7	997284.096	2781.073	PORTON
423	1026236	997286.533	2781.209	PORTON
424	1026234.61	997287.091	2781.439	LIN
425	1026235.63	997285.91	2781.22	BV
426	1026236.73	997285.121	2781.198	EJE
427	1026237.96	997282.987	2781.087	BV
428	1026238.83	997281.641	2780.889	LIN
429	1026219.66	997266.567	2779.342	FIN_TRAMO_13
430	1025419.45	996873.877	2655.563	BV
431	1025423.68	996872.485	2655.534	BV
432	1025426.36	996878.588	2654.246	BV
433	1025422.58	996881.119	2654.285	BV
434	1025425.27	996885.243	2653.433	BV
435	1025429.38	996882.853	2653.409	BV
436	1025433.44	996887.241	2652.36	BV
437	1025429.9	996889.748	2652.509	BV
438	1025435.2	996894.056	2651.573	BV
439	1025438.08	996891.233	2651.543	BV
440	1025442.71	996895.171	2650.635	BV
441	1025440.26	996898.125	2650.646	BV
442	1025426.83	996888.057	2652.88	_TRAMO_3_COTA
443	1025427.32	996887.168	2653.154	MH
444	1025430.11	996891.964	2652.141	LIN
445	1025426.35	996892.248	2652.155	LIN
446	1025428.56	996890.759	2652.46	BV
447	1025425.45	996887.652	2652.783	BV
448	1025422.78	996884.008	2653.84	LIN
449	1025423.14	996885.843	2653.451	LIN
450	1025423.79	996886.298	2652.719	CUNETA
451	1025422.57	996887.405	2652.841	POSTE
452	1025424.41	996886.757	2652.908	TN
453	1025417.05	996893.742	2650.146	LIN
454	1025417.39	996894.019	2649.786	CUNETA
455	1025417.59	996894.468	2649.753	BV
456	1025418.58	996895.441	2649.717	EJE
457	1025420.04	996896.791	2649.792	BV
458	1025420.7	996896.788	2650.132	LIN
459	1025412.13	996899.853	2647.92	ACCESO
460	1025410.76	996898.816	2648.412	ACCESO
461	1025411.2	996897.645	2648.649	ACCESO
462	1025412.92	996898.297	2648.29	ACCESO
463	1025411.98	996897.61	2648.558	LIN
464	1025412.63	996897.672	2648.683	LIN
465	1025413.33	996897.802	2648.363	TN
466	1025413.57	996897.849	2648.168	CUNETA
467	1025413.85	996898.043	2648.469	BV
468	1025414	996897.941	2648.514	BV

469	1025415.17	996898.924	2648.393	EJE
470	1025416.34	996900.275	2648.516	BV
471	1025416.84	996900.153	2648.846	LIN
472	1025410.19	996906.962	2646.746	LIN
473	1025409.84	996906.82	2646.43	BV
474	1025409.02	996905.804	2646.363	EJE
475	1025407.82	996904.56	2646.324	BV
476	1025407.22	996904.08	2646.361	LIN
477	1025410.51	996899.934	2648.151	LIN
478	1025411.48	996900.555	2647.496	CUNETA
479	1025401.76	996915.611	2644.114	LIN
480	1025401.47	996915.13	2644.01	BV
481	1025400.6	996914.365	2643.91	EJE
482	1025399.25	996913.158	2643.62	BV
483	1025398.99	996912.945	2643.771	TN
484	1025398.26	996912.18	2643.996	LIN
485	1025396.38	996913.232	2644.172	LIN
486	1025392.73	996911.788	2644.512	LIN
487	1025391.26	996912.01	2643.612	ACCESO
488	1025389.96	996913.992	2643.472	ACCESO
489	1025393.32	996916.076	2642.904	ACCESO
490	1025394.39	996917.901	2642.398	ACCESO
491	1025394.52	996913.328	2643.28	ACCESO
492	1025397.84	996914.28	2643.251	ACCESO
493	1025390.04	996916.353	2643.421	LIN
494	1025391.17	996917.211	2643.077	LIN
495	1025391.12	996917.894	2642.733	POSTE
496	1025391.62	996918.184	2642.389	TN
497	1025392.17	996918.937	2642.045	TN
498	1025392.49	996919.46	2641.54	CUNETA
499	1025392.77	996919.708	2641.717	BV
500	1025393.67	996920.993	2641.942	EJE
501	1025394.63	996922.168	2642.099	BV
502	1025395.08	996922.406	2642.166	LIN
503	1025385.49	996931.569	2639.969	LIN
504	1025385.09	996931.218	2639.905	BV
505	1025384.03	996930.27	2639.825	EJE
506	1025382.91	996929.064	2639.706	BV
507	1025382.56	996928.715	2639.515	CUNETA
508	1025382.43	996928.535	2639.774	TN
509	1025381.98	996928.162	2639.98	LIN
510	1025385.54	996935.084	2639.283	PARAMENT
511	1025383.95	996933.529	2639.343	PARAMENT
512	1025383.58	996933	2639.684	LIN
513	1025380.16	996935.55	2639.578	LIN
514	1025380.31	996935.705	2638.968	ESCALAS
515	1025377.07	996932.978	2638.808	LIN

516	1025377.68	996933.344	2638.374	CUNETA
517	1025378.06	996933.767	2638.542	BV
518	1025379.02	996934.749	2638.763	EJE
519	1025379.96	996935.55	2639.133	BV
520	1025380.55	996935.846	2639.454	ESCALAS
521	1025378.84	996937.486	2639.559	ESCALAS
522	1025378.73	996937.313	2639.264	ESCALAS
523	1025378.57	996936.986	2639.177	LIN
524	1025376.13	996940.579	2638.685	PARAMENT
525	1025369.46	996946.341	2636.525	LIN
526	1025369.3	996945.748	2636.564	BV
527	1025368.16	996944.693	2636.447	EJE
528	1025367.29	996943.423	2636.428	BV
529	1025367.14	996943.082	2636.344	CUNETA
530	1025366.57	996942.55	2636.604	LIN
531	1025364.4	996950.938	2635.915	LIN
532	1025364.15	996950.605	2635.882	BV
533	1025362.83	996949.218	2635.915	EJE
534	1025360.69	996948.166	2635.88	BV
535	1025359.5	996947.744	2635.985	LIN
536	1025359.45	996947.8	2635.902	POSTE
537	1025348.56	996954.356	2635.515	LIN
538	1025348.86	996954.908	2635.578	TN
539	1025349.62	996955.731	2635.371	BV
540	1025350.7	996956.841	2635.279	EJE
541	1025351.72	996958.017	2635.286	BV
542	1025352.39	996958.829	2635.034	LIN
543	1025346.71	996963.634	2635.21	LIN
544	1025346.13	996963.284	2635.206	BV
545	1025344.95	996962.299	2635.176	EJE
546	1025343.75	996961.225	2635.23	BV
547	1025343.11	996960.938	2635.313	TN
548	1025342.36	996960.963	2636.003	LIN
549	1025333.73	996972.91	2635.705	LIN
550	1025333.87	996973.279	2635.116	TN
551	1025334.02	996973.476	2634.987	BV
552	1025335.35	996974.169	2635.053	EJE
553	1025336.94	996974.98	2634.996	BV
554	1025337.42	996975.301	2635.103	POSTE
555	1025337.82	996975.251	2635.211	LIN
556	1025332.15	996985.138	2635.493	LIN
557	1025331.77	996984.756	2635.32	BV
558	1025330.24	996983.936	2635.374	EJE
559	1025328.91	996983.252	2635.424	BV
560	1025328.14	996982.927	2635.453	TN
561	1025328	996982.77	2636.269	LIN
562	1025322.98	996991.407	2636.781	LIN

563	1025323.22	996991.597	2636.338	TN
564	1025323.55	996991.965	2636.3	BV
565	1025325.2	996992.996	2636.088	EJE
566	1025326.98	996994.093	2635.906	BV
567	1025327.48	996994.43	2635.826	LIN
568	1025325.94	996997.822	2636.095	LIN
569	1025324.99	997000.008	2635.799	LIN
570	1025323.98	997004.924	2635.654	LIN
571	1025323.08	997007.336	2635.594	LIN
572	1025320.79	997008.552	2635.303	LIN
573	1025315.4	997006.958	2635.316	LIN
574	1025317.76	997007.007	2635.094	TN
575	1025320.06	997007.107	2635.185	TN
576	1025322.64	997004.817	2635.562	TN
577	1025322.58	996997.763	2635.892	O_TRAMO_3_COTA
578	1025323.99	996999.38	2635.817	BV
579	1025190.56	997006.43	2611.233	PLACA_E
580	1025196.82	997008.051	2612.557	PLACA_E
581	1025197.69	997005.341	2612.55	PLACA_E
582	1025202	997009.333	2613.618	PLACA_E
583	1025202.67	997006.475	2613.609	PLACA_E
584	1025202.6	997008.209	2613.623	O_TRAMO_1_COTA
585	1025203.14	997006.435	2614.48	TN
586	1025202.83	997006.728	2613.717	BV
587	1025202.35	997010.659	2614.07	LIN
588	1025202.4	997009.545	2613.788	BV
589	1025212.19	997012.898	2616.167	LIN
590	1025212.13	997012.521	2615.68	TN
591	1025212.34	997012.496	2615.571	BV
592	1025212.42	997010.396	2615.595	EJE
593	1025212.68	997007.882	2615.41	BV
594	1025212.68	997007.582	2615.336	CUNETA
595	1025212.57	997007.052	2615.945	TN
596	1025212.33	997007.098	2616.475	TN
597	1025215.2	997010.746	2616.231	MH
598	1025216.44	997013.22	2617.014	POSTE
599	1025216.41	997013.222	2617.023	LIN
600	1025216.69	997012.767	2616.646	TN
601	1025221.21	997010.961	2617.834	LIN
602	1025221.25	997010.582	2617.298	TN
603	1025220.91	997010.136	2617.251	BV
604	1025220.25	997007.952	2617.085	EJE
605	1025219.73	997006.288	2616.993	BV
606	1025219.6	997005.793	2616.778	CUNETA
607	1025219.37	997005.639	2617.128	TN
608	1025219.12	997005.512	2618.118	TN
609	1025227.99	997001.236	2619.415	TN

610	1025228.52	997001.329	2618.907	TN
611	1025228.94	997001.447	2618.76	CUNETA
612	1025229.05	997001.849	2618.928	BV
613	1025229.62	997003.146	2618.928	EJE
614	1025230.33	997004.45	2619.04	BV
615	1025230.89	997005.115	2619.172	TN
616	1025237.53	997003.308	2620.066	TN
617	1025237.43	997002.678	2620.559	TN
618	1025237.14	997002.274	2620.459	BV
619	1025236.65	997000.589	2620.388	EJE
620	1025236.18	996999.028	2620.272	BV
621	1025236.18	996998.647	2620.034	CUNETA
622	1025236.21	996998.292	2620.624	TN
623	1025235.91	996997.945	2620.847	TN
624	1025241.42	997001.233	2621.833	POSTE
625	1025249.37	997001.008	2623.051	TN
626	1025249.16	997000.634	2623.265	TN
627	1025249.09	996999.381	2623.102	BV
628	1025248.93	996997.301	2622.805	EJE
629	1025248.32	996995.828	2622.666	BV
630	1025248.28	996995.073	2622.473	CUNETA
631	1025248.06	996994.613	2623.296	TN
632	1025261.15	996997.05	2624.792	TN
633	1025260.18	996994.124	2625.307	EJE
634	1025259.53	996990.8	2626.42	TN
635	1025259.56	996990.988	2625.388	TN
636	1025259.67	996991.367	2625.138	CUNETA
637	1025259.99	996991.862	2625.341	BV
638	1025259.44	996995.949	2625.094	BV
639	1025272.62	996994.389	2626.888	TN
640	1025272.35	996993.719	2627.691	TN
641	1025272.24	996993.094	2627.689	BV
642	1025272.08	996990.518	2627.725	EJE
643	1025271.78	996989.053	2627.77	BV
644	1025271.62	996988.352	2627.313	CUNETA
645	1025272	996988.092	2628.267	TN
646	1025279.99	996987.452	2629.719	TN
647	1025280.33	996988.197	2628.879	CUNETA
648	1025280.28	996988.365	2629.081	BV
649	1025279.93	996990.36	2629.108	EJE
650	1025279.06	996991.832	2629.012	BV
651	1025278.4	996992.606	2628.92	POSTE
652	1025279.2	996992.523	2629.387	TN
653	1025279.21	996993.57	2628.509	TN
654	1025292.95	996991.534	2631.241	TN
655	1025292.86	996992.815	2630.488	CUNETA
656	1025292.34	996992.812	2630.828	BV

657	1025291.41	996994.296	2630.81	EJE
658	1025290.87	996996.011	2630.866	BV
659	1025290.74	996996.454	2630.911	TN
660	1025290.76	996997.413	2630.543	TN
661	1025301.43	997002.752	2632.44	TN
662	1025301.4	997002.025	2632.8	TN
663	1025302.05	997001.562	2632.692	BV
664	1025303.31	996999.775	2632.686	EJE
665	1025304.04	996998.211	2632.643	BV
666	1025304.34	996997.226	2632.336	CUNETA
667	1025304.68	996997.092	2633.05	TN
668	1025311.97	996998.62	2634.604	TN
669	1025312.5	996998.866	2634.061	CUNETA
670	1025313	996999.63	2634.323	BV
671	1025313.95	997002.079	2634.507	EJE
672	1025314.57	997004.044	2634.622	BV
673	1025315.59	996995.847	2635.714	TN
674	1025316.27	996996.239	2635.446	TN
675	1025316.64	996996.34	2635.312	CUNETA
676	1025317.01	996996.433	2635.532	BV
677	1025318.58	996996.877	2635.657	EJE
678	1025321.68	996994.36	2636.343	BV
679	1025323.26	996991.48	2636.925	LIN
680	1025321.93	996990.558	2636.999	BV
681	1025320.37	996990.533	2636.929	EJE
682	1025318.74	996990.707	2636.813	BV
683	1025318.11	996990.829	2636.477	CUNETA
684	1025317.53	996990.969	2636.726	TN
685	1025321.7	996982.802	2638.749	LIN
686	1025321.34	996982.82	2638.617	BV
687	1025319.97	996982.495	2638.533	EJE
688	1025318.41	996981.881	2638.512	BV
689	1025317.62	996981.827	2638.486	CUNETA
690	1025317.47	996982.036	2638.888	TN
691	1025317.09	996982.071	2638.915	TN
692	1025321.09	996977.803	2639.859	POSTE
693	1025320.41	996972.813	2641.099	LIN
694	1025320.22	996972.779	2640.914	BV
695	1025317.98	996972.553	2640.867	EJE
696	1025316.08	996972.622	2640.8	BV
697	1025315.66	996972.584	2640.763	CUNETA
698	1025314.79	996972.437	2640.792	TN
699	1025313.83	996964.669	2642.919	TN
700	1025314.46	996964.649	2642.838	TN
701	1025314.96	996964.329	2642.694	CUNETA
702	1025315.16	996964.29	2642.823	BV
703	1025316.87	996963.937	2642.908	EJE

704	1025318.55	996963.963	2643.113	BV
705	1025318.97	996963.548	2643.254	LIN
706	1025318.07	996957.267	2645.08	LIN
707	1025318.05	996957.265	2645.08	ACCESO
708	1025319.37	996955.363	2645.2	ACCESO
709	1025317.19	996952.098	2645.777	ACCESO
710	1025317.47	996951.885	2645.795	LIN
711	1025316.86	996952.254	2645.766	BV
712	1025315.47	996952.281	2645.639	EJE
713	1025313.78	996952.042	2645.631	BV
714	1025313.51	996952.629	2645.406	CUNETTA
715	1025312.79	996952.065	2645.677	TN
716	1025312.26	996952.285	2645.816	TN
717	1025315.51	996943.634	2648.089	POSTE
718	1025316.4	996944.523	2647.983	CONTADOR
719	1025316.29	996943.373	2648.308	CONTADOR
720	1025315.11	996943.563	2647.889	BV
721	1025313.15	996943.565	2647.74	EJE
722	1025311.84	996943.726	2647.542	BV
723	1025311.36	996944.008	2647.402	CUNETTA
724	1025310.85	996943.971	2647.864	TN
725	1025310.17	996944.619	2648.009	TN
726	1025307.56	996936.689	2649.964	TN
727	1025308.24	996936.491	2649.536	TN
728	1025308.71	996936.097	2649.242	CUNETTA
729	1025309.13	996936.001	2649.333	BV
730	1025310.12	996935.451	2649.575	EJE
731	1025311.3	996934.893	2649.714	BV
732	1025311.79	996934.541	2649.832	LIN
733	1025308.61	996928.082	2651.47	LIN
734	1025308.07	996927.911	2651.373	BV
735	1025306.7	996928.183	2651.23	EJE
736	1025305.74	996928.346	2651.105	BV
737	1025305	996928.562	2651.099	CUNETTA
738	1025304.42	996928.703	2651.38	TN
739	1025303.65	996928.935	2651.695	TN
740	1025299.29	996921.643	2653.529	TN
741	1025300.2	996921.056	2653.273	TN
742	1025300.26	996920.847	2652.97	CUNETTA
743	1025300.43	996920.308	2653.091	BV
744	1025301.72	996919.592	2653.339	EJE
745	1025302.76	996918.821	2653.568	BV
746	1025303.31	996918.23	2653.637	LIN
747	1025299.21	996913.796	2654.404	POSTE
748	1025299.65	996913.787	2654.486	LIN
749	1025298.93	996914.169	2654.447	BV
750	1025297.88	996915.247	2654.3	_TRAMO_1_COTA

751	1025296.58	996916.376	2654.321	BV
752	1025295.7	996916.836	2654.716	TN
753	1025295.39	996917.308	2654.991	TN
754	1025295.63	996916.173	2654.458	PLACA_E
755	1025298.4	996913.162	2654.5	PLACA_E
756	1025293	996908.231	2655.761	PLACA_E
757	1025290.2	996911.135	2655.79	PLACA_E
758	1025283.76	996907.568	2657.048	PLACA_E
759	1025285.18	996903.605	2657.165	PLACA_E
760	1025276.04	996900.45	2659.01	PLACA_E
761	1025275.07	996904.232	2658.951	PLACA_E
762	1025224.34	996894.157	2669.066	O_TRAMO_4_COTA
763	1025224.78	996892.443	2669.121	BV
764	1025224.8	996891.781	2669.221	ACCESO
765	1025224.85	996889.459	2669.183	ACCESO
766	1025228.22	996890.211	2669.1	ACCESO
767	1025226.75	996891.991	2669.043	ACCESO
768	1025223.93	996895.863	2668.999	BV
769	1025223.01	996896.531	2669.065	POSTE
770	1025222.7	996897.51	2669.008	LIN
771	1025224.03	996896.031	2669.001	PLACA_E
772	1025224.88	996892.215	2669.158	PLACA_E
773	1025232.02	996893.509	2668.101	PLACA_E
774	1025231.34	996897.34	2667.944	PLACA_E
775	1025238.14	996899.036	2666.402	PLACA_E
776	1025239.04	996895.115	2666.405	PLACA_E
777	1025243.75	996896.222	2665.365	PLACA_E
778	1025242.55	996900.017	2665.411	PLACA_E
779	1025218.61	996896.207	2668.871	LIN
780	1025216.27	996894.575	2668.649	LIN
781	1025216.96	996893.877	2668.778	BV
782	1025217.97	996892.263	2668.854	EJE
783	1025218.81	996890.681	2668.894	BV
784	1025218.88	996889.535	2669.084	TN
785	1025218.71	996888.578	2669.084	TN
786	1025212.98	996883.953	2669.029	TN
787	1025212.71	996884.027	2668.773	TN
788	1025212.07	996884.559	2668.433	BV
789	1025210.82	996885.78	2668.459	EJE
790	1025209.59	996886.819	2668.437	BV
791	1025209.02	996887.247	2668.432	LIN
792	1025208.65	996877.994	2668.413	CONTADOR
793	1025207.94	996877.422	2668.446	CONTADOR
794	1025207.93	996877.442	2668.456	LIN
795	1025207.31	996877.989	2668.24	BV
796	1025206.06	996878.868	2668.289	EJE
797	1025204.69	996879.629	2668.343	BV

798	1025203.23	996880.004	2668.47	LIN
799	1025200.79	996876.169	2668.42	POSTE
800	1025198.12	996875.602	2668.59	LIN
801	1025201.59	996875.325	2668.006	ACCESO
802	1025199.39	996873.325	2667.637	ACCESO
803	1025200.51	996869.622	2667.57	ACCESO
804	1025200.51	996869.578	2667.565	LIN
805	1025202.03	996869.806	2667.409	BV
806	1025203.56	996870.26	2667.468	EJE
807	1025205.42	996870.642	2667.341	BV
808	1025206.04	996870.534	2667.365	TN
809	1025206.55	996870.602	2667.79	TN
810	1025206.01	996873.706	2668.216	TN
811	1025205.35	996873.716	2667.847	BV
812	1025203.55	996874.057	2667.895	EJE
813	1025201.69	996874.944	2667.988	BV
814	1025206.26	996855.943	2665.778	LIN
815	1025206.97	996856.093	2665.679	BV
816	1025208.24	996856.628	2665.726	EJE
817	1025209.62	996857.251	2665.697	BV
818	1025210.45	996857.817	2665.713	TN
819	1025210.74	996857.919	2665.309	TN
820	1025213.43	996844.356	2665.831	E_POSIBLE_OBRA
821	1025210.55	996845.476	2665.811	LIN
822	1025212.72	996840.374	2665.89	LIN
823	1025212.72	996840.385	2665.889	POSTE
824	1025213.64	996838.665	2666.172	LIN
825	1025213.97	996838.701	2666.084	CUNETAS
826	1025212.44	996841.905	2665.91	CUNETAS
827	1025211.67	996843.648	2665.862	CUNETAS
828	1025210.72	996846.185	2665.771	CUNETAS
829	1025209.32	996849.119	2665.592	CUNETAS
830	1025213.53	996849.275	2665.616	TN
831	1025213.91	996849.569	2665.579	LIN
832	1025215.72	996846.235	2665.242	LIN
833	1025215	996845.894	2665.587	TN
834	1025215.66	996844.767	2665.468	TN
835	1025216.7	996844.567	2665.582	LIN
836	1025213.58	996840.402	2666.075	BV
837	1025214.94	996840.888	2666.087	EJE
838	1025216.43	996841.626	2665.923	BV
839	1025218.15	996839.97	2665.875	LIN
840	1025218.48	996838.972	2666.06	TN
841	1025217.73	996838.631	2666.17	BV
842	1025216.33	996837.927	2666.299	EJE
843	1025215.35	996837.359	2666.359	BV
844	1025214.83	996837.036	2666.253	CUNETAS

845	1025214.7	996837.012	2666.251	LIN
846	1025218.28	996829.811	2667.173	LIN
847	1025218.62	996830.009	2667.061	CUNETA
848	1025218.9	996830.182	2667.182	BV
849	1025220.14	996830.842	2667.127	EJE
850	1025221.29	996831.422	2667.183	BV
851	1025222.03	996832.012	2667.389	TN
852	1025222.35	996832.512	2666.868	TN
853	1025231.51	996814.933	2670.293	_TRAMO_1_COTA
854	1025230.04	996814.379	2670.241	BV
855	1025229.62	996814.265	2670.155	CUNETA
856	1025228.98	996814.415	2670.093	LIN
857	1025232.89	996815.753	2670.333	BV
858	1025233.32	996815.935	2670.177	TN
859	1025235.19	996815.17	2670.346	TN
860	1025233.25	996815.438	2670.387	PLACA_E
861	1025229.62	996814.201	2670.223	PLACA_E
862	1025233.63	996804.329	2672.037	PLACA_E
863	1025237.35	996805.833	2671.999	PLACA_E
864	1025241.38	996797.567	2673.441	PLACA_E
865	1025243.08	996795.775	2673.795	PLACA_E
866	1025247.91	996792.813	2674.521	PLACA_E
867	1025246.06	996789.229	2674.551	PLACA_E
868	1025239.75	996793.233	2673.715	PLACA_E
869	1025234.71	996796.539	2673.233	PLACA_E
870	1025233.81	996796.353	2673.16	PLACA_E
871	1025223.24	996795.565	2673.083	PLACA_E
872	1025225.02	996792.141	2673.187	PLACA_E
873	1025232.01	996800.231	2672.856	PLACA_E
874	1025233.45	996801.726	2672.54	PLACA_E
875	1025233.53	996804.251	2672.042	PLACA_E
876	1025239.06	996894.979	2666.383	PLACA_E
877	1025238.37	996899.051	2666.341	PLACA_E
878	1025248.61	996901.467	2664.205	PLACA_E
879	1025249.47	996897.391	2664.137	PLACA_E
880	1025250.82	996897.701	2663.966	PLACA_E
881	1025253.18	996896.366	2663.285	PLACA_E
882	1025257.75	996896.989	2663.018	PLACA_E
883	1025259.47	996899.512	2662.427	PLACA_E
884	1025259.72	996899.52	2662.391	PLACA_E
885	1025259.14	996903.254	2662.529	PLACA_E
886	1025266.47	996904.227	2660.798	PLACA_E
887	1025267.1	996900.308	2660.876	PLACA_E
888	1025255.99	996896.559	2662.98	O_TRAMO_2_COTA
889	1025253.9	996895.762	2663.142	BV
890	1025252.91	996895.346	2663.472	TN
891	1025252.84	996895.05	2664.169	TN

892	1025253.29	996893.271	2664.023	POSTE
893	1025253.9	996893.9	2663.822	TN
894	1025254.28	996893.893	2663.072	TN
895	1025257.78	996896.633	2662.937	BV
896	1025258.43	996896.805	2662.865	LIN
897	1025261.13	996887.268	2661.491	LIN
898	1025260.54	996886.943	2661.702	BV
899	1025259.26	996886.585	2661.702	EJE
900	1025258.32	996886.108	2661.779	BV
901	1025257.29	996886.092	2661.952	TN
902	1025255.72	996886.88	2662.365	TN
903	1025256.92	996884.844	2661.855	TN
904	1025257.59	996883.79	2661.821	LIN
905	1025263.85	996880.048	2661.21	LIN
906	1025263.84	996880.072	2661.206	ACCESO
907	1025266.04	996875.522	2661.014	ACCESO
908	1025266	996875.525	2661.016	LIN
909	1025263.17	996878.576	2661.089	BV
910	1025262.29	996878.353	2661.081	EJE
911	1025261.01	996877.571	2661.058	BV
912	1025259.91	996876.764	2661.163	LIN
913	1025264.81	996872.627	2660.913	MH
914	1025265	996867.725	2661.045	LIN
915	1025265.85	996868.502	2660.852	BV
916	1025266.66	996869.157	2660.815	EJE
917	1025268.02	996869.942	2660.843	BV
918	1025269.05	996870.422	2660.858	LIN
919	1025268.69	996862.675	2661.249	LIN
920	1025267.76	996861.316	2661.619	LIN
921	1025272.23	996859.423	2661.15	ACCESO
922	1025275.19	996857.149	2661.013	ACCESO
923	1025273.98	996855.711	2661.37	ACCESO
924	1025271.26	996858.245	2661.424	ACCESO
925	1025271.29	996858.75	2661.346	M_CONTADOR
926	1025272.14	996859.451	2661.159	M_CONTADOR
927	1025275.47	996857.123	2660.946	MURO
928	1025275.34	996855.558	2661.332	POSTE
929	1025280.05	996852.703	2660.705	MURO
930	1025278.4	996851.016	2661.437	PARAMENT
931	1025273.69	996855.32	2661.434	PARAMENT
932	1025280.67	996852.698	2660.609	ACCESO
933	1025279.14	996850.421	2661.203	ACCESO
934	1025281.65	996848.852	2661.112	ACCESO
935	1025283.58	996850.421	2660.38	ACCESO
936	1025283.6	996849.277	2660.577	M_CONTADOR
937	1025284.72	996848.461	2660.466	M_CONTADOR
938	1025284.86	996848.632	2660.473	LIN

939	1025285.31	996849.55	2660.079	BV
940	1025286.19	996850.955	2659.938	EJE
941	1025287.39	996852.18	2659.891	BV
942	1025287.57	996852.964	2659.932	LIN
943	1025295.38	996847.272	2659.036	LIN
944	1025295.03	996846.5	2658.975	BV
945	1025294.16	996845.268	2659.095	EJE
946	1025293.83	996843.971	2659.261	BV
947	1025292.94	996843.368	2659.732	LIN
948	1025291.32	996844.304	2659.889	LIN
949	1025289.39	996845.411	2659.959	LIN
950	1025290.03	996844.834	2659.978	ESCALAS
951	1025289.24	996845.33	2660.006	ESCALAS
952	1025289.05	996845.12	2660.279	ESCALAS
953	1025289.85	996844.568	2660.264	ESCALAS
954	1025289.7	996844.408	2660.537	ESCALAS
955	1025288.85	996844.865	2660.549	ESCALAS
956	1025288.71	996844.706	2660.819	ESCALAS
957	1025289.56	996844.156	2660.804	ESCALAS
958	1025289.4	996843.908	2661.069	ESCALAS
959	1025288.56	996844.472	2661.081	ESCALAS
960	1025288.39	996844.25	2661.309	ESCALAS
961	1025289.21	996843.701	2661.323	ESCALAS
962	1025300.53	996838.967	2659.297	LIN
963	1025299.44	996839.842	2659.104	TN
964	1025300.91	996839.995	2658.92	TN
965	1025301.19	996840.674	2658.623	BV
966	1025301.53	996841.876	2658.598	EJE
967	1025302.09	996843.472	2658.581	BV
968	1025302.42	996844.322	2658.579	LIN
969	1025313.33	996841.631	2658.155	LIN
970	1025313.43	996841.458	2658.335	TN
971	1025313.43	996841.115	2658.344	BV
972	1025313.19	996839.981	2658.356	EJE
973	1025312.87	996838.601	2658.383	BV
974	1025312.66	996837.755	2658.531	TN
975	1025312.08	996837.207	2658.894	TN
976	1025318.89	996835.515	2658.654	POSTE
977	1025320.64	996834.289	2658.943	M_CONTADOR
978	1025322.17	996833.986	2659.08	M_CONTADOR
979	1025322.19	996833.935	2659.055	LIN
980	1025322.43	996834.942	2658.583	TN
981	1025323.12	996834.994	2658.555	MH
982	1025322.45	996835.559	2658.497	BV
983	1025322.55	996837.242	2658.387	EJE
984	1025323.02	996838.262	2658.319	BV
985	1025323.19	996839.204	2658.257	LIN

986	1025326.4	996832.988	2658.806	LIN
987	1025326.42	996832.921	2658.807	ACCESO
988	1025331.12	996832.452	2658.544	ACCESO
989	1025331.12	996832.431	2658.54	MURO
990	1025331.49	996833.276	2658.324	BV
991	1025331.88	996834.973	2658.153	EJE
992	1025331.98	996836.416	2658.011	BV
993	1025332.38	996837.562	2658.029	LIN
994	1025343.69	996837.505	2657.534	LIN
995	1025343.86	996836.855	2657.659	BV
996	1025343.91	996834.762	2657.789	EJE
997	1025343.91	996832.991	2657.96	BV
998	1025343.81	996831.828	2658.109	MURO
999	1025351.53	996832.072	2658.323	MURO
1000	1025351.5	996832.096	2658.31	ACCESO
1001	1025351.37	996833.042	2658.073	ACCESO
1002	1025355.48	996834.01	2658.024	ACCESO
1003	1025355.81	996833.146	2658.251	ACCESO
1004	1025350.99	996832.349	2658.202	CAJA_ELEC
1005	1025356.03	996833.006	2658.291	ACCESO
1006	1025359.66	996834.693	2658.108	ACCESO
1007	1025355.97	996834.929	2657.75	BV
1008	1025355.5	996836.757	2657.634	EJE
1009	1025354.02	996838.15	2657.57	BV
1010	1025353.99	996839.182	2657.524	LIN
1011	1025357.58	996839.51	2657.647	M_CONTADOR
1012	1025358.24	996839.703	2657.509	M_CONTADOR
1013	1025363.12	996836.952	2657.822	POSTE
1014	1025366.15	996843.337	2657.731	LIN
1015	1025366.43	996842.525	2657.788	BV
1016	1025366.82	996841.036	2657.846	EJE
1017	1025367.66	996839.609	2657.886	BV
1018	1025367.95	996839.245	2657.896	TN
1019	1025377.86	996843.356	2659.042	LIN
1020	1025378.03	996843.498	2658.258	TN
1021	1025377.57	996844.312	2657.917	BV
1022	1025376.92	996845.632	2657.89	EJE
1023	1025375.83	996847.166	2657.826	BV
1024	1025375.23	996848.4	2657.782	LIN
1025	1025385.83	996855.209	2657.843	LIN
1026	1025386.53	996853.673	2657.996	BV
1027	1025387.49	996851.997	2657.988	EJE
1028	1025388.36	996850.073	2658.001	BV
1029	1025389.86	996849.835	2658.358	LIN
1030	1025389.63	996849.384	2658.451	ACCESO
1031	1025393.82	996850.061	2658.61	ACCESO
1032	1025392.59	996857.953	2657.971	LIN

1033	1025392.89	996856.225	2658.14	BV
1034	1025393.07	996853.946	2658.214	EJE
1035	1025393.31	996851.594	2658.192	BV
1036	1025393.77	996849.941	2658.429	LIN
1037	1025393.77	996849.927	2658.433	ACCESO
1038	1025396.6	996850.784	2658.562	LIN
1039	1025402.24	996850.619	2658.988	LIN
1040	1025402.29	996851.454	2658.625	BV
1041	1025402.31	996853.076	2658.544	EJE
1042	1025402.79	996854.82	2658.533	BV
1043	1025402.88	996855.336	2658.618	LIN
1044	1025415.28	996856.557	2658.605	LIN
1045	1025413.31	996855.611	2658.872	LIN
1046	1025411.23	996855.441	2658.782	LIN
1047	1025408.86	996850.622	2659.166	LIN
1048	1025408.83	996850.596	2659.165	ACCESO
1049	1025412.7	996850.436	2659.381	ACCESO
1050	1025412.64	996850.427	2659.373	LIN
1051	1025415.26	996849.873	2659.779	LIN
1052	1025414.51	996851.374	2659.263	BV
1053	1025415.98	996853.199	2658.982	_TRAMO_2_COTA
1054	1025414.77	996855.101	2658.718	BV
1055	1025415.61	996856.692	2658.564	BV
1056	1025417.77	996865.846	2656.959	BV
1057	1025422.03	996864.273	2657.087	BV
1058	1025421.96	996857.064	2658.383	BV
1059	1025421.79	996852.333	2659.259	BV
1060	1025421.02	996845.014	2660.78	BV
1061	1025420.46	996840.825	2661.699	BV
1062	1025415.79	996841.181	2661.625	BV
1063	1025416.37	996850.157	2659.731	BV
1065	1025111.67	996756.797	2645.873	PLACA_E
1066	1025113.39	996752.258	2646.801	PLACA_E
1067	1025111.78	996756.734	2645.876	AUX-1
1068	1025112.18	996754.439	2646.27	AUX-2
1069	1025112.18	996754.419	2646.232	CHEQUEO_AUX
1070	1025119.2	996748.151	2648.295	PLACA_E
1071	1025119.75	996751.059	2648.358	PLACA_E
1072	1025112.29	996749.325	2646.662	PLACA_E
1073	1025109.18	996748.487	2646.268	PLACA_E
1074	1025108.33	996747.928	2646.177	PLACA_E
1075	1025107.27	996746.431	2646.137	PLACA_E
1076	1025104.8	996740.347	2646.555	PLACA_E
1077	1025102.29	996741.882	2646.591	PLACA_E
1078	1025104.28	996747.251	2645.88	PLACA_E
1079	1025104.56	996748.739	2645.549	PLACA_E
1080	1025103.79	996750.846	2645.025	PLACA_E

1081	1025102.92	996751.414	2644.738	PLACA_E
1082	1025094.57	996752.284	2642.879	PLACA_E
1083	1025094.56	996755.139	2642.948	PLACA_E
1084	1025102.14	996754.409	2644.536	PLACA_E
1085	1025104.58	996754.69	2645.271	POSTE
1086	1025105.81	996753.606	2645.364	MH
1087	1025106.88	996754.032	2645.461	PLACA_E
1088	1025107.66	996754.479	2645.593	PLACA_E
1089	1025108.63	996757.258	2645.362	PLACA_E
1090	1025110.33	996757.056	2645.614	O_TRAMO_5_COTA
1091	1025111.64	996756.922	2645.81	BV
1092	1025112.47	996757.032	2646.254	TN
1093	1025108.64	996757.435	2645.347	BV
1094	1025106.95	996755.037	2645.52	PARAMENT
1095	1025107.64	996756.265	2645.565	PARAMENT
1096	1025108.15	996757.712	2645.442	PARAMENT
1097	1025108.46	996762.666	2644.474	PARAMENT
1098	1025106.13	996761.553	2644.277	PARAMENT
1099	1025107.15	996763.822	2644.034	TN
1100	1025108.93	996764.005	2644.399	BV
1101	1025110.54	996763.786	2644.382	EJE
1102	1025112.21	996763.787	2644.551	BV
1103	1025113.66	996763.767	2645.013	TN
1104	1025108.62	996766.537	2643.845	ACCESO
1105	1025108.74	996770.472	2643.486	ACCESO
1106	1025108.7	996770.643	2643.486	LIN
1107	1025106.61	996768.334	2643.084	ACCESO
1108	1025106.81	996765.531	2643.304	ACCESO
1109	1025108.58	996770.883	2643.42	ACCESO
1110	1025109.11	996778.609	2642.974	ACCESO
1111	1025109.14	996778.561	2642.965	LIN
1112	1025109.52	996774.216	2643.224	BV
1113	1025110.75	996774.246	2643.213	EJE
1114	1025112.32	996774.204	2643.328	BV
1115	1025112.99	996774.052	2643.738	TN
1116	1025113.56	996773.108	2644.231	LIN
1117	1025113.88	996779.219	2643.947	LIN
1118	1025113.53	996779.16	2643.163	ACCESO
1119	1025112.69	996784.262	2642.888	ACCESO
1120	1025114.94	996788.952	2643.705	ACCESO
1121	1025117.31	996787.968	2643.87	ACCESO
1122	1025114.96	996783.064	2643.158	ACCESO
1123	1025112.61	996778.891	2643.085	BV
1124	1025111.4	996778.952	2642.908	EJE
1125	1025110.06	996779.02	2642.94	BV
1126	1025109.46	996786.002	2642.536	LIN
1127	1025110.2	996786.02	2642.53	BV

1128	1025111.05	996785.907	2642.546	EJE
1129	1025112.54	996785.876	2642.629	BV
1130	1025112.98	996785.758	2642.802	TN
1131	1025112.29	996784.056	2642.661	BV
1132	1025113.6	996789.966	2642.714	POSTE
1133	1025113.85	996793.117	2642.58	PORTON
1134	1025109.99	996793.321	2642.22	PORTON
1135	1025109.6	996793.267	2642.158	LIN
1136	1025114.55	996791.819	2642.989	TN
1137	1025114.31	996791.868	2642.581	TN
1138	1025113.17	996791.771	2642.525	BV
1139	1025111.77	996791.773	2642.545	EJE
1140	1025110.7	996791.791	2642.884	BV
1141	1025111.72	996792.954	2642.44	_TRAMO_5_COTA
1142	1025113.03	996792.873	2642.379	BV
1143	1025110.72	996792.807	2642.527	BV
1144	1025084.06	996752.949	2640.687	PLACA_E
1145	1025083.85	996755.714	2640.614	PLACA_E
1146	1025071.79	996755.839	2638.027	PLACA_E
1147	1025071.99	996752.949	2638.11	PLACA_E
1148	1025058.68	996752.928	2635.337	PLACA_E
1149	1025058.54	996755.789	2635.307	PLACA_E
1150	1025046.6	996755.788	2632.579	PLACA_E
1151	1025046.46	996752.887	2632.54	PLACA_E
1152	1025031.68	996752.881	2629.072	PLACA_E
1153	1025031.3	996755.379	2629.099	PLACA_E
1154	1025024.84	996755.529	2627.601	PLACA_E
1155	1025024.86	996752.622	2627.535	PLACA_E
1156	1025018.91	996752.212	2626.002	PLACA_E
1157	1025018.56	996754.941	2626.037	PLACA_E
1158	1025015.86	996754.463	2625.473	PLACA_E
1159	1025016.82	996751.699	2625.468	PLACA_E
1160	1025017.13	996752.458	2625.612	MH
1161	1025010.67	996748.487	2623.672	PLACA_E
1162	1025009.22	996750.997	2623.61	PLACA_E
1163	1025017.05	996756.893	2626.208	POSTE
1164	1025019.78	996755.495	2626.293	_TRAMO_6_COTA
1165	1025016.73	996755.194	2625.822	BV
1166	1025017.85	996756.932	2626.188	BV
1167	1025021.77	996757.784	2626.718	BV
1168	1025023.7	996755.904	2627.239	BV
1169	1025025.95	996756.746	2627.976	LIN
1170	1025023.53	996759.343	2627.232	LIN
1171	1025022.65	996761.928	2627.023	LIN
1172	1025016.05	996756.217	2625.946	LIN
1173	1025017.34	996760.318	2626.476	LIN
1174	1025018.61	996760.972	2626.499	BV

1175	1025020.09	996761.011	2626.535	EJE
1176	1025021.89	996761.276	2626.696	BV
1177	1025022.65	996762.993	2626.959	LIN
1178	1025022.66	996762.988	2626.969	M_CONTADOR
1179	1025022.62	996764.365	2627.087	M_CONTADOR
1180	1025022.65	996764.471	2627.093	LIN
1181	1025022.63	996767.573	2626.826	LIN
1182	1025022.22	996767.61	2626.634	BV
1183	1025021.03	996767.703	2626.5	EJE
1184	1025019.71	996767.92	2626.469	BV
1185	1025018.64	996768.116	2626.25	LIN
1186	1025020.09	996777.938	2626.262	LIN
1187	1025020.72	996777.939	2626.453	BV
1188	1025021.95	996777.824	2626.474	EJE
1189	1025023.28	996777.604	2626.499	BV
1190	1025024.3	996777.85	2626.797	LIN
1191	1025025.68	996786.597	2626.675	LIN
1192	1025025.11	996787.011	2626.552	BV
1193	1025023.77	996787.142	2626.508	EJE
1194	1025022.19	996787.411	2626.476	BV
1195	1025020.65	996787.647	2626.007	LIN
1196	1025021.49	996792.915	2626.12	LIN
1197	1025022.68	996792.541	2626.567	BV
1198	1025024.43	996792.358	2626.547	EJE
1199	1025026.48	996792.026	2626.564	BV
1200	1025026.9	996791.632	2626.631	LIN
1201	1025021.53	996799.28	2626.178	LIN
1202	1025022.37	996799.121	2626.364	POSTE
1203	1025023.61	996797.088	2626.454	ACCESO
1204	1025023.79	996803.677	2626.2	ACCESO
1205	1025029.11	996804.662	2626.189	ACCESO
1206	1025028.15	996799.102	2626.41	ACCESO
1207	1025028.71	996798.95	2626.526	LIN
1208	1025021.85	996797.519	2626.352	LIN
1209	1025023.42	996796	2626.511	BV
1210	1025026.62	996795.414	2626.598	EJE
1211	1025026.22	996797.579	2626.533	BV
1212	1025028.16	996798.508	2626.49	BV
1213	1025029.04	996793.59	2626.678	BV
1214	1025029.49	996796.116	2626.745	EJE
1215	1025030.25	996794.536	2626.799	BV
1216	1025030.62	996793.651	2626.743	LIN
1217	1025034.3	996794.657	2627.222	LIN
1218	1025034.53	996795.361	2627.254	BV
1219	1025034.63	996796.458	2627.01	EJE
1220	1025034.73	996797.731	2627.055	BV
1221	1025034.73	996798.372	2627.027	LIN

1222	1025047.04	996797.011	2628.909	LIN
1223	1025047.09	996796.43	2628.789	BV
1224	1025046.99	996795.275	2628.954	EJE
1225	1025047.01	996794.01	2629.036	BV
1226	1025045.21	996793.34	2629.308	LIN
1227	1025047.05	996793.1	2630.162	TN
1228	1025054.1	996792.202	2631.279	TN
1229	1025054.58	996793.026	2630.661	BV
1230	1025054.74	996794.018	2630.596	EJE
1231	1025054.98	996795.351	2630.597	BV
1232	1025055.31	996796.355	2630.654	LIN
1233	1025055.41	996792.694	2630.885	ACCESO
1234	1025058.67	996791.948	2631.604	ACCESO
1235	1025057.82	996788.509	2632.04	ACCESO
1236	1025055.73	996788.887	2631.417	ACCESO
1237	1025058.39	996789.167	2632.224	PARAMENT
1238	1025059.33	996791.816	2632.011	PARAMENT
1239	1025058.41	996795.767	2631.513	POSTE
1240	1025062.81	996795.431	2632.305	LIN
1241	1025062.81	996794.392	2632.193	BV
1242	1025062.8	996793.253	2632.169	EJE
1243	1025062.63	996792.264	2632.282	BV
1244	1025062.96	996791.309	2632.587	PARAMENT
1245	1025063.39	996791.282	2632.937	ACCESO
1246	1025067.17	996790.887	2633.065	ACCESO
1247	1025067.36	996790.898	2633.212	PARAMENT
1248	1025067.5	996790.999	2633.229	ACCESO
1249	1025070.83	996790.692	2633.358	ACCESO
1250	1025070.93	996790.647	2633.329	LIN
1251	1025070.85	996791.285	2633.196	BV
1252	1025070.99	996792.219	2633.133	EJE
1253	1025070.86	996793.843	2633.135	BV
1254	1025070.8	996794.303	2633.322	LIN
1255	1025070.8	996794.305	2633.324	ACCESO
1256	1025067.07	996794.812	2632.936	ACCESO
1257	1025067	996794.879	2632.945	LIN
1258	1025068.58	996797.226	2633.048	ACCESO
1259	1025071.17	996797.035	2633.29	ACCESO
1260	1025076.02	996790.123	2634.47	M_CONTADOR
1261	1025076.03	996790.121	2634.454	LIN
1262	1025076.74	996790.049	2634.566	M_CONTADOR
1263	1025076.71	996789.98	2634.626	LIN
1264	1025077.42	996790.82	2634.491	BV
1265	1025077.66	996791.966	2634.455	EJE
1266	1025077.84	996793.157	2634.433	BV
1267	1025077.9	996793.567	2634.39	LIN
1268	1025083.01	996789.35	2635.679	LIN

1269	1025082.91	996788.595	2635.781	ACCESO
1270	1025082.91	996788.6	2635.78	LIN
1271	1025087.82	996788.04	2636.351	ACCESO
1272	1025087.83	996788.047	2636.355	MURO
1273	1025088.64	996788.692	2636.446	MURO
1274	1025088.7	996788.985	2636.42	BV
1275	1025088.75	996790.313	2636.38	EJE
1276	1025088.97	996791.458	2636.491	BV
1277	1025089.03	996792.296	2636.527	LIN
1278	1025089.76	996792.303	2636.692	POSTE
1279	1025089.76	996792.759	2636.664	M_CONTADOR
1280	1025090.51	996792.668	2637.101	M_CONTADOR
1281	1025090.5	996792.681	2637.075	ACCESO
1282	1025095.96	996791.853	2637.598	ACCESO
1283	1025095.92	996791.494	2637.705	BV
1284	1025096.29	996790.447	2637.97	A_AGUAS_NEGRAS
1285	1025096.09	996789.654	2637.931	A_AGUAS_NEGRAS
1286	1025096.83	996789.477	2637.98	A_AGUAS_NEGRAS
1287	1025096.96	996790.143	2638.016	A_AGUAS_NEGRAS
1288	1025095.75	996789.855	2637.89	EJE
1289	1025095.68	996788.419	2638.149	BV
1290	1025095.26	996787.961	2638.088	MURO
1291	1025095.62	996787.493	2638.304	M_CONTADOR
1292	1025096.87	996787.368	2638.773	M_CONTADOR
1293	1025096.86	996787.367	2638.765	LIN
1294	1025098.19	996787.789	2638.876	LIN
1295	1025102.52	996787.108	2640.231	LIN
1296	1025102.48	996787.995	2640.045	BV
1297	1025102.8	996789.007	2639.948	EJE
1298	1025103.09	996790.474	2639.932	BV
1299	1025103.02	996790.755	2640.076	LIN
1300	1025101.62	996790.754	2639.389	CONTADOR
1301	1025101.2	996790.788	2639.414	CONTADOR
1302	1025109.17	996786.411	2642.164	LIN
1303	1025109.15	996786.677	2642.08	BV
1304	1025109.19	996788.082	2641.972	O_TRAMO_6_COTA
1305	1025109.24	996789.3	2641.898	BV
1306	1025108.93	996789.734	2642.036	LIN
1307	1025105.12	996790.809	2640.321	M_CONTADOR
1308	1025104.68	996790.959	2640.46	M_CONTADOR
1309	1023982.88	996449.617	2671.34	OBRA
1310	1023982.81	996449.522	2671.36	OBRA
1311	1023983.47	996448.253	2671.349	OBRA
1312	1023983.63	996448.319	2671.367	OBRA
1313	1023982.59	996447.938	2671.135	OBRA
1314	1023982.01	996448.916	2671.096	OBRA
1315	1023983.18	996448.372	2670.202	FONDO_OBRA

1316	1023982.67	996448.118	2670.31	FONDO_OBRA
1317	1023982.2	996448.84	2670.041	FONDO_OBRA
1318	1023982.79	996449.112	2669.924	FONDO_OBRA
1319	1023983	996448.63	2669.939	TUBO
1320	1023983.56	996447.831	2671.075	BV
1321	1023985.53	996443.229	2671.488	BV
1322	1023985.77	996438.501	2672.165	BV
1323	1023984.31	996433.076	2673.3	BV
1324	1023989.45	996430.93	2673.353	BV
1325	1023991.66	996434.34	2672.186	BV
1326	1023994.7	996437.637	2671.04	BV
1327	1023998.99	996438.449	2670.076	BV
1328	1024006.25	996438.747	2668.753	BV
1329	1024006.35	996443.681	2668.784	BV
1330	1023998.91	996444.346	2670.018	BV
1331	1023994.98	996445.987	2670.539	BV
1332	1023990.54	996448.625	2670.898	BV
1333	1023990.58	996448.693	2670.894	BV
1334	1023987.46	996451.61	2671.044	BV
1335	1023983.56	996449.385	2671.122	BV
1336	1023984.98	996450.945	2671.118	D_TRAMO_10_COTA
1337	1023983.33	996449.962	2671.163	BV
1338	1023982	996450.019	2671.161	TN
1339	1023981.9	996449.725	2671.698	TN
1340	1023981.31	996449.504	2671.931	LIN
1341	1023986.92	996452.163	2671.096	BV
1342	1023988.06	996452.814	2671.219	TN
1343	1023988.21	996453.148	2670.302	TN
1344	1023984.43	996462.055	2671.45	QUIOSCO
1345	1023985.83	996459.277	2671.47	QUIOSCO
1346	1023986.84	996463.595	2669.97	QUIOSCO
1347	1023983.28	996463.283	2671.41	M_CONTADOR
1348	1023983.77	996462.053	2671.588	M_CONTADOR
1349	1023983.34	996461.501	2671.478	BV
1350	1023981.11	996460.712	2671.486	EJE
1351	1023979.1	996459.93	2671.498	BV
1352	1023978.49	996459.862	2671.553	LIN
1353	1023978.53	996459.84	2671.543	ACCESO
1354	1023976.75	996464.595	2671.919	ACCESO
1355	1023976.72	996464.585	2671.926	LIN
1356	1023982.63	996463.69	2671.4	ACCESO
1357	1023981.46	996465.658	2671.593	ACCESO
1358	1023983.95	996467.59	2670.524	ACCESO
1359	1023985.27	996465.178	2670.49	ACCESO
1360	1023980.64	996467.127	2672.071	ACCESO
1361	1023981.56	996469.129	2672.415	ACCESO
1362	1023982.97	996470.227	2672.517	ACCESO

1363	1023982.37	996472.639	2672.884	ACCESO
1364	1023979.54	996473.138	2673.071	ACCESO
1365	1023978.72	996473.288	2673.231	ACCESO
1366	1023978.49	996473.341	2673.265	P_DURO
1367	1023977.04	996472.748	2673.316	P_DURO
1368	1023975.18	996471.852	2673.317	P_DURO
1369	1023974.72	996471.603	2673.409	TN
1370	1023974.33	996471.25	2674.135	LIN
1371	1023975.38	996468.286	2672.981	LIN
1372	1023975.88	996468.557	2672.581	TN
1373	1023976.55	996468.656	2672.546	P_DURO
1374	1023977.85	996469.073	2672.525	P_DURO
1375	1023979.18	996469.751	2672.526	P_DURO
1376	1023973.34	996476.072	2674.474	LETRERO
1377	1023973.06	996475.694	2674.592	LETRERO
1378	1023978.63	996475.748	2673.897	LIN
1379	1023977.04	996478.409	2675.583	LIN
1380	1023975.69	996478.519	2674.815	P_DURO
1381	1023974.64	996478.195	2674.899	P_DURO
1382	1023973.62	996477.914	2674.838	P_DURO
1383	1023973.12	996477.766	2674.871	TN
1384	1023971.89	996477.356	2675.258	TN
1385	1023971.7	996477.453	2676.674	LIN
1386	1023968.87	996485.019	2678.267	TN
1387	1023969.56	996485.396	2677.42	TN
1388	1023969.98	996485.669	2677.356	P_DURO
1389	1023970.9	996486.099	2677.292	P_DURO
1390	1023971.96	996486.622	2677.251	P_DURO
1391	1023973.01	996487.082	2677.554	TN
1392	1023973.36	996487.444	2678.19	LIN
1393	1023970.29	996494.123	2679.272	LIN
1394	1023969.96	996494.597	2679.271	ACCESO
1395	1023967.02	996499.465	2679.583	ACCESO
1396	1023966.93	996499.18	2679.562	CONTADOR
1397	1023966.97	996499.471	2679.625	M_CONTADOR
1398	1023966.46	996499.993	2679.714	M_CONTADOR
1399	1023966.18	996499.996	2679.763	LIN
1400	1023968.32	996495.113	2679.182	P_DURO
1401	1023967.28	996494.12	2679.141	P_DURO
1402	1023966.14	996493.311	2679.2	P_DURO
1403	1023965.68	996492.428	2679.15	TN
1404	1023965.46	996492.283	2679.372	TN
1405	1023965.19	996491.81	2680.452	TN
1406	1023963.26	996492.179	2680.575	TN
1407	1023963.41	996493.474	2679.723	TN
1408	1023964.07	996494.324	2679.65	P_DURO
1409	1023964.72	996495.679	2679.658	P_DURO

1410	1023965.44	996497.397	2679.605	P_DURO
1411	1023965.1	996498.966	2679.633	TN
1412	1023960.32	996497.563	2680.329	LIN
1413	1023960.73	996496.494	2680.257	P_DURO
1414	1023961.08	996495.322	2680.24	P_DURO
1415	1023961.31	996494.076	2680.222	P_DURO
1416	1023962.05	996492.917	2680.145	TN
1417	1023962.59	996492.467	2680.368	LIN
1418	1023959.9	996490.855	2680.881	LIN
1419	1023959	996491.857	2680.766	TN
1420	1023958.91	996491.902	2680.765	P_DURO
1421	1023958.02	996493.146	2680.788	P_DURO
1422	1023957.37	996494.438	2680.843	P_DURO
1423	1023956.64	996495.238	2680.977	LIN
1424	1023954.08	996493.253	2681.422	LIN
1425	1023954.57	996492.187	2681.299	BV
1426	1023955.32	996491.018	2681.193	EJE
1427	1023956.36	996489.858	2681.295	BV
1428	1023956.92	996488.842	2681.329	LIN
1429	1023955.08	996486.764	2681.769	POSTE
1430	1023951	996485.027	2682.391	ARB
1431	1023951.15	996485.063	2682.363	LIN
1432	1023950.68	996485.312	2682.343	BV
1433	1023949.63	996486.66	2682.335	EJE
1434	1023948.55	996487.955	2682.458	BV
1435	1023948.09	996488.82	2682.566	LIN
1436	1023939.04	996481.837	2683.898	LIN
1437	1023939.02	996481.856	2683.896	PORTON
1438	1023939.23	996481.411	2683.739	BV
1439	1023939.71	996480.11	2683.682	TRAMO_10_COTA
1440	1023940.64	996478.912	2683.677	BV
1441	1023941	996478.212	2683.727	LIN
1442	1023940.7	996478.187	2683.722	PORTON
1443	1025318.72	996951.375	2645.777	ACCESO
1444	1023986.62	996421.577	2675.788	BV
1445	1023982.65	996421.643	2676.146	MH
1446	1023979.01	996405.855	2679.909	BV
1447	1023984.49	996404.549	2679.978	BV
1448	1023982.77	996391.404	2682.67	BV
1449	1023976.97	996390.843	2682.97	BV
1450	1023974.03	996377.767	2685.201	BV
1451	1023979.67	996375.471	2685.42	BV
1452	1023979.68	996375.491	2685.416	BV
1453	1023977.5	996364.384	2687.018	BV
1454	1023977.06	996357.364	2688.007	BV
1455	1023977.19	996344.098	2690.016	BV
1456	1023970.83	996343.902	2690.098	BV

1457	1023970.8	996351.641	2688.75	BV
1458	1023971.13	996361.448	2687.323	BV
1459	1025191.53	997003.648	2611.233	PLACA_E
1460	1023967.46	996362.646	2686.601	BV
1461	1023967.43	996362.413	2686.969	OBRA
1462	1023968.8	996362.847	2686.929	OBRA
1463	1023969.32	996361.728	2686.842	OBRA
1464	1023967.85	996361.01	2686.766	OBRA
1465	1023964.98	996367.384	2686.355	BV
1466	1023970.2	996372.751	2685.942	BV
1467	1023966.05	996364.849	2686.517	O_TRAMO_9_COTA
1468	1023964.74	996366.975	2686.346	BV
1469	1023963.64	996368.513	2686.587	LIN
1470	1023966.89	996362.695	2686.627	BV
1471	1023969.73	996360.427	2687.245	MURO
1472	1023970.27	996360.668	2687.328	POSTE
1473	1023967.41	996359.748	2686.949	MURO
1474	1023966.3	996360.017	2686.87	TN
1475	1023968.82	996360.721	2687.004	MURO
1476	1023959.05	996365.217	2686.691	LIN
1477	1023959.44	996364.594	2686.664	BV
1478	1023961.01	996361.422	2686.56	EJE
1479	1023960.72	996358.946	2686.571	BV
1480	1023960.79	996357.947	2686.598	TN
1481	1023960.86	996357.874	2686.952	MURO
1482	1023960.92	996357.369	2686.951	MURO
1483	1023956.49	996355.845	2686.995	MURO
1484	1023956.37	996356.244	2686.946	MURO
1485	1023956.41	996356.311	2686.804	TN
1486	1023955.74	996357.211	2686.758	BV
1487	1023954.88	996358.464	2686.794	EJE
1488	1023954.84	996359.29	2686.717	MH
1489	1023954.64	996360.749	2686.715	BV
1490	1023954.08	996362.075	2686.797	LIN
1491	1023953.82	996361.803	2686.755	ACCESO
1492	1023949.32	996358.938	2686.937	ACCESO
1493	1023953.73	996362.443	2686.749	LIN
1494	1023955.01	996363.008	2686.651	BV
1495	1023956.52	996363.817	2686.596	EJE
1496	1023957.9	996365.04	2686.58	BV
1497	1023958.57	996365.633	2686.539	LIN
1498	1023953.27	996362.515	2686.717	POSTE
1499	1023953.83	996372.8	2684.67	LIN
1500	1023952.48	996372.064	2684.69	BV
1501	1023951.11	996371.24	2684.653	EJE
1502	1023950.06	996370.617	2684.643	BV
1503	1023949.37	996370.194	2684.791	TN

1504	1023948.78	996370.056	2685.165	LIN
1505	1023945.12	996379.142	2683.318	E_POSIBLE_OBRA
1506	1023944	996378.502	2683.406	BV
1507	1023943.34	996378.081	2683.542	LIN
1508	1023945	996375.469	2683.819	LIN
1509	1023946	996375.835	2683.703	BV
1510	1023946.98	996376.511	2683.659	EJE
1511	1023948.17	996377.647	2683.632	BV
1512	1023949.75	996378.89	2683.603	LIN
1513	1023946.35	996380.004	2683.306	BV
1514	1023947.9	996381.18	2683.39	LIN
1515	1023946.34	996383.343	2683.114	LIN
1516	1023945.16	996382.118	2683.008	BV
1517	1023943.95	996381.356	2682.967	EJE
1518	1023942.81	996380.499	2683.092	BV
1519	1023941.98	996380.053	2683.1	LIN
1520	1023942.6	996389.801	2681.905	LIN
1521	1023940.87	996388.557	2681.974	LIN
1522	1023938.76	996392.129	2681.215	LIN
1523	1023939.66	996392.965	2681.072	LIN
1524	1023938.08	996391.64	2681.037	BV
1525	1023937.29	996390.999	2680.993	EJE
1526	1023936.2	996390.47	2681.119	BV
1527	1023935.74	996390.08	2681.225	LIN
1528	1023938.49	996394.533	2680.467	PARAMENT
1529	1023937.75	996394.003	2680.666	PARAMENT
1530	1023934.89	996397.536	2679.713	PARAMENT
1531	1023936.63	996399.197	2679.359	PARAMENT
1532	1023935.05	996398.03	2679.613	PARAMENT
1533	1023934.69	996398.218	2679.58	M_CONTADOR
1534	1023934.03	996398.989	2679.488	M_CONTADOR
1535	1023935.19	996397.34	2679.907	CONTADOR
1536	1023935.71	996396.515	2680.026	CONTADOR
1537	1023936.06	996395.967	2680.117	CONTADOR
1538	1023936.57	996395.31	2680.24	CONTADOR
1539	1023934.35	996391.791	2680.974	M_CONTADOR
1540	1023934.77	996391.069	2680.952	M_CONTADOR
1541	1023929.39	996406.605	2678.783	PARAMENT
1542	1023929.41	996406.73	2678.813	M_CONTADOR
1543	1023928.75	996407.59	2678.703	M_CONTADOR
1544	1023928.57	996406.531	2678.796	BV
1545	1023927.67	996405.982	2678.699	EJE
1546	1023926.37	996405.088	2678.832	BV
1547	1023926	996404.919	2678.898	POSTE
1548	1023925.71	996404.074	2679.017	LIN
1549	1023930.84	996396.899	2679.806	LIN
1550	1023931.51	996397.315	2679.587	BV

1551	1023932.23	996398.016	2679.513	EJE
1552	1023933.51	996399.033	2679.466	BV
1553	1023934.11	996399.089	2679.422	MURO
1554	1023934.17	996399.148	2679.403	MURO
1555	1023932.24	996401.881	2679.321	MURO
1556	1023932.25	996402.023	2679.334	MURO
1557	1023932.19	996401.834	2679.268	MURO
1558	1023930.2	996404.899	2679.293	MURO
1559	1023930.32	996404.985	2679.297	MURO
1560	1023930.19	996404.735	2679.07	TN
1561	1023931.29	996402.9	2679.233	TN
1562	1023928.72	996407.594	2678.713	LIN
1563	1023922.51	996416.647	2676.764	LIN
1564	1023921.52	996416.049	2676.758	MURO
1565	1023921.41	996415.999	2676.809	MURO
1566	1023921.08	996415.723	2676.865	BV
1567	1023920.15	996415.208	2676.834	EJE
1568	1023919.42	996414.726	2676.884	BV
1569	1023918.68	996414.316	2676.928	LIN
1570	1023918.97	996419.756	2676.575	MURO
1571	1023918.86	996419.745	2676.583	MURO
1572	1023918.81	996419.646	2676.208	TN
1573	1023921.55	996416.208	2676.19	P_DURO
1574	1023919.12	996419.802	2676.101	P_DURO
1575	1023916.63	996423.534	2675.975	P_DURO
1576	1023914.87	996425.408	2675.824	P_DURO
1577	1023917.17	996426.929	2676.014	P_DURO
1578	1023918.9	996425.311	2676.042	P_DURO
1579	1023919.78	996425.776	2676.083	P_DURO
1580	1023921.06	996423.964	2676.057	P_DURO
1581	1023921.11	996423.814	2676.143	PARAMENT
1582	1023922.72	996421.193	2676.193	PARAMENT
1583	1023922.21	996420.435	2675.833	PARAMENT
1584	1023923.58	996417.911	2676.349	PARAMENT
1585	1023923.34	996417.807	2676.617	LIN
1586	1023918.64	996420.183	2676.101	ACCESO
1587	1023915.12	996425.216	2675.832	ACCESO
1588	1023914.42	996425.978	2675.907	M_CONTADOR
1589	1023914	996426.453	2675.926	M_CONTADOR
1590	1023913.96	996426.038	2675.585	BV
1591	1023913.1	996425.377	2675.601	EJE
1592	1023912.13	996424.488	2675.747	BV
1593	1023911.72	996424.415	2675.701	LIN
1594	1023912.58	996425.976	2675.563	_TRAMO_9_COTA
1595	1023908.47	996429.163	2675.628	LIN
1596	1023909.27	996429.641	2675.474	BV
1597	1023910.43	996430.426	2675.413	EJE

1598	1023911.22	996430.983	2675.41	BV
1599	1023910.74	996432.646	2675.378	ACCESO
1600	1023913.96	996426.879	2675.482	ACCESO
1601	1023915.69	996428.485	2675.432	ACCESO
1602	1023912.61	996433.547	2675.382	ACCESO
1603	1023910.16	996433.394	2675.442	M_CONTADOR
1604	1023910.62	996432.78	2675.404	M_CONTADOR
1605	1023909.97	996433.866	2675.604	CONTADOR
1606	1023909.78	996433.54	2675.463	ACCESO
1607	1023907.89	996436.188	2675.496	ACCESO
1608	1023906.04	996435.204	2675.443	ACCESO
1609	1023905.4	996434.757	2675.482	POSTE
1610	1023908.31	996432.152	2675.493	ACCESO
1611	1023951.65	996354.049	2686.957	MURO
1612	1023951.55	996354.044	2687.554	MURO
1613	1023951.5	996354.441	2687.55	MURO
1614	1023951.48	996354.555	2687.034	MURO
1615	1023951.26	996355.125	2686.949	BV
1616	1023950.6	996356.525	2686.866	EJE
1617	1023949.74	996357.953	2686.89	BV
1618	1023943.27	996357.133	2687.443	LIN
1619	1023943.13	996357.189	2687.503	M_CONTADOR
1620	1023942.28	996356.979	2687.585	M_CONTADOR
1621	1023942.01	996356.81	2687.576	LIN
1622	1023942.17	996356.2	2687.461	BV
1623	1023942.72	996354.118	2687.423	EJE
1624	1023943.29	996352.119	2687.455	BV
1625	1023943.41	996351.766	2687.686	MURO
1626	1023943.66	996351.231	2687.565	MURO
1627	1023941.72	996350.511	2687.56	MURO
1628	1023941.62	996350.455	2688.383	MURO
1629	1023941.46	996350.973	2688.419	MURO
1630	1023941.48	996350.985	2687.671	MURO
1631	1023936.03	996355.419	2688.088	LIN
1632	1023936.09	996355.412	2688.096	ACCESO
1633	1023933.34	996358.526	2687.692	ACCESO
1634	1023930.65	996356.567	2688.073	ACCESO
1635	1023931.87	996354.419	2688.286	ACCESO
1636	1023931.81	996354.351	2688.295	LIN
1637	1023931.69	996353.445	2688.36	BV
1638	1023932.19	996351.437	2688.356	EJE
1639	1023932.7	996348.71	2688.266	BV
1640	1023932.46	996347.726	2688.457	MURO
1641	1023932.44	996347.692	2689.022	MURO
1642	1023932.64	996347.24	2689.072	MURO
1643	1023932.67	996347.259	2688.508	MURO
1644	1023926.31	996352.649	2689.111	M_CONTADOR

1645	1023925.69	996352.409	2689.196	M_CONTADOR
1646	1023926.37	996352.73	2689.122	LIN
1647	1023925.46	996352.304	2689.18	LIN
1648	1023922.75	996351.136	2689.429	LIN
1649	1023921.99	996350.688	2689.462	LIN
1650	1023922.93	996350.351	2689.257	BV
1651	1023924.03	996348.163	2688.999	EJE
1652	1023925.27	996345.828	2688.947	BV
1653	1023924.57	996345.005	2689.116	MURO
1654	1023924.76	996344.402	2689.227	MURO
1655	1023923.9	996343.525	2690.015	LIN
1656	1023923.13	996344.212	2689.17	BV
1657	1023919.03	996348.331	2689.682	POSTE
1658	1023918.88	996348.983	2689.602	LIN
1659	1023918.71	996348.765	2689.596	PARAMENT
1660	1023916.59	996343.635	2689.874	MH
1661	1023918.8	996347.896	2689.576	P_DURO
1662	1023918.23	996348.418	2689.811	P_DURO
1663	1023910.45	996343.019	2689.797	P_DURO
1664	1023911.26	996342.103	2689.866	P_DURO
1665	1023910.4	996343.204	2689.757	PARAMENT
1666	1023910.8	996341.914	2689.872	ACCESO
1667	1023908.55	996340.214	2689.91	ACCESO
1668	1023909.43	996344.42	2689.837	ACCESO
1669	1023906.55	996342.496	2689.787	ACCESO
1670	1023908.03	996339.894	2690.052	M_CONTADOR
1671	1023907.13	996339.079	2690.124	M_CONTADOR
1672	1023907.63	996338.955	2690.032	BV
1673	1023906.89	996339.202	2689.982	LIN
1674	1023908.72	996337.275	2690.015	EJE
1675	1023910.25	996335.399	2689.989	BV
1676	1023910.62	996335.049	2690.169	POSTE
1677	1023911.52	996335.573	2690.195	LIN
1678	1023910.58	996334.78	2690.124	LIN
1679	1023903.44	996336.172	2690.051	M_CONTADOR
1680	1023903.09	996335.669	2690.064	M_CONTADOR
1681	1023902.42	996335.392	2689.99	LIN
1682	1023902.24	996335.176	2689.998	ACCESO
1683	1023899.54	996332.432	2689.956	ACCESO
1684	1023899.47	996332.244	2690.136	LIN
1685	1023899.63	996331.439	2690.099	BV
1686	1023900.85	996329.99	2690.052	EJE
1687	1023902.27	996328.645	2690.098	BV
1688	1023902.78	996328.035	2690.305	LIN
1689	1023903.1	996328.294	2690.25	CERCO_VIVO
1690	1023906.13	996330.827	2690.227	CERCO_VIVO
1691	1023906.07	996330.85	2690.202	ACCESO

1692	1023910.44	996334.883	2690.224	ACCESO
1693	1023911.26	996335.367	2690.245	CERCO_VIVO
1694	1023916.66	996339.198	2690.022	CERCO_VIVO
1695	1023923.87	996343.475	2689.999	CERCO_VIVO
1696	1023920.03	996341.774	2690.011	CERCO_VIVO
1697	1023892.65	996325.998	2690.084	LIN
1698	1023892.48	996325.803	2689.963	ACCESO
1699	1023888.92	996322.984	2689.985	ACCESO
1700	1023888.8	996322.672	2690.035	LIN
1701	1023887.31	996321.094	2690.018	LIN
1702	1023892.19	996319.49	2690.403	ARB
1703	1023893.12	996319.36	2690.337	CERCO_VIVO
1704	1023892.48	996320.143	2689.99	BV
1705	1023890.96	996320.988	2689.946	_TRAMO_9_COTA
1706	1023890.05	996322.014	2689.997	BV
1707	1023888.09	996324.955	2689.835	ACCESO
1708	1023890.39	996327.33	2689.635	ACCESO
1709	1023977.39	996339.907	2690.841	BV
1710	1023970.8	996339.472	2690.775	BV
1711	1023973.43	996335.713	2691.834	MH
1712	1023970.92	996321.982	2694.646	BV
1713	1023976.41	996320.748	2694.84	BV
1714	1023975.38	996307.347	2697.688	BV
1715	1023969.17	996307.54	2697.866	BV
1716	1023969.81	996298.79	2699.507	MH
1717	1023965.14	996288.82	2701.244	BV
1718	1023970.44	996287.284	2701.263	BV
1719	1023970.15	996284.944	2701.566	BV
1720	1023969.24	996283.672	2701.947	BV
1721	1023968.01	996278.702	2702.746	BV
1722	1023966.81	996272.291	2703.652	BV
1723	1023963.01	996271.07	2703.766	BV
1724	1023964.2	996277.874	2702.854	BV
1725	1023964.84	996283.571	2702.065	BV
1726	1023960.04	996261.078	2705.154	BV
1727	1023961.97	996272.53	2703.447	LIN
1728	1023961.97	996272.53	2703.455	ACCESO
1729	1023958.63	996273.104	2703.104	ACCESO
1730	1023958.52	996273.159	2702.724	LIN
1731	1023957.83	996270.728	2703.132	ACCESO
1732	1023960.18	996269.378	2703.381	ACCESO
1733	1023962.92	996273.317	2703.331	BV
1734	1023964	996278.229	2702.706	O_TRAMO_8_COTA
1735	1023964.56	996282.718	2702.127	BV
1736	1023963.9	996283.94	2702.174	LIN
1737	1023962.78	996282.012	2702.351	LIN
1738	1023962.11	996281.563	2702.475	LIN

1739	1023962.06	996281.57	2702.462	ACCESO
1740	1023958.85	996279.308	2702.467	ACCESO
1741	1023958.84	996279.164	2702.532	ARB
1742	1023958.26	996278.486	2702.411	ACCESO
1743	1023956.18	996279.695	2702.052	ACCESO
1744	1023953.29	996277.141	2701.671	ACCESO
1745	1023954.15	996275.407	2702.065	ACCESO
1746	1023954.1	996275.355	2702.02	LIN
1747	1023954.51	996275.036	2702.113	BV
1748	1023955.35	996273.883	2702.302	EJE
1749	1023956.03	996272.829	2702.392	BV
1750	1023959.64	996274.406	2702.735	BV
1751	1023961.77	996274.009	2703.087	BV
1752	1023956.38	996272.023	2702.61	LIN
1753	1023950.76	996267.897	2702.406	POSTE
1754	1023949.83	996266.757	2702.585	LIN
1755	1023949.25	996267.025	2702.156	BV
1756	1023948.58	996268.032	2702.161	EJE
1757	1023947.8	996269.007	2702.09	BV
1758	1023947.03	996269.276	2702.004	LIN
1759	1023943.04	996266.175	2702.041	LIN
1760	1023942.95	996266.171	2702.034	M_CONTADOR
1761	1023941.86	996265.352	2702.004	M_CONTADOR
1762	1023941.78	996265.383	2701.981	LIN
1763	1023937.91	996262.122	2702.075	LIN
1764	1023938.17	996261.533	2702.197	BV
1765	1023939	996260.543	2702.293	EJE
1766	1023939.77	996259.402	2702.238	BV
1767	1023940.1	996258.585	2702.376	LIN
1768	1023934.27	996254.172	2702.309	LIN
1769	1023933.58	996255.025	2702.234	BV
1770	1023933.04	996256.01	2702.317	EJE
1771	1023932.36	996257.08	2702.26	BV
1772	1023932.18	996258.051	2701.969	LIN
1773	1023930.51	996260.061	2701.882	LIN
1774	1023922.57	996247.213	2702.958	LIN
1775	1023922.18	996247.897	2702.511	BV
1776	1023921.58	996248.993	2702.452	EJE
1777	1023921	996249.75	2702.516	BV
1778	1023918.58	996250.215	2702.363	TN
1779	1023915.79	996243.734	2702.906	POSTE
1780	1023908.21	996238.411	2703.336	LIN
1781	1023907.53	996239.151	2702.973	BV
1782	1023907.04	996240.439	2702.893	EJE
1783	1023898.77	996232.23	2703.884	LIN
1784	1023897.85	996233.097	2703.631	BV
1785	1023973	996297.871	2699.49	O_TRAMO_7_COTA

1786	1023972.33	996293.309	2700.277	BV
1787	1023973.82	996294.657	2700.005	BV
1788	1023974.2	996292.583	2700.772	PARAMENT
1789	1023974.9	996293.011	2700.709	CONTADOR
1790	1023975.21	996293.254	2700.698	CONTADOR
1791	1023976.69	996294.197	2700.49	ESCALAS
1792	1023980.14	996296.311	2700.446	ESCALAS
1793	1023979.35	996297.565	2700.332	ESCALAS
1794	1023979.19	996297.792	2700.058	ESCALAS
1795	1023975.76	996295.677	2700.144	ESCALAS
1796	1023975.89	996295.397	2700.365	ESCALAS
1797	1023975.65	996295.814	2699.946	BV
1798	1023978.95	996297.906	2699.739	BV
1799	1023980.01	996296.784	2700.174	POSTE
1800	1023982.35	996297.779	2700.305	PARAMENT
1801	1023982.37	996297.757	2700.28	LIN
1802	1023974.58	996303.953	2698.322	BV
1803	1023975.94	996302.623	2698.834	BV
1804	1023977.79	996302.096	2699.214	BV
1805	1023978.42	996303.485	2699.41	LIN
1806	1023976.06	996303.701	2698.915	LIN
1807	1023975.06	996304.549	2698.257	LIN
1808	1023978.51	996303.578	2699.411	ACCESO
1809	1023980.57	996304.249	2699.462	ACCESO
1810	1023980.79	996302.854	2699.489	BV
1811	1023981.6	996301.474	2699.473	EJE
1812	1023982.59	996299.76	2699.707	BV
1813	1023991.04	996303.775	2700.162	LIN
1814	1023991.03	996303.761	2700.141	M_CONTADOR
1815	1023991.81	996304.238	2700.055	M_CONTADOR
1816	1023991.8	996304.237	2700.081	LIN
1817	1023991.24	996304.908	2699.647	BV
1818	1023990.38	996306.402	2699.483	EJE
1819	1023989.48	996308.005	2699.458	BV
1820	1023989.08	996308.723	2699.397	LIN
1821	1023992.6	996311.445	2699.242	M_CONTADOR
1822	1023992.08	996311.115	2699.36	M_CONTADOR
1823	1023992.86	996311.748	2699.157	LIN
1824	1024000.21	996316.311	2699.178	LIN
1825	1024001.02	996315.738	2699.138	BV
1826	1024002.19	996314.156	2699.198	EJE
1827	1024003.32	996312.651	2699.265	BV
1828	1024004.05	996311.958	2699.439	LIN
1829	1024014.42	996319.38	2699.424	LIN
1830	1024013.76	996319.832	2699.152	BV
1831	1024013.01	996320.972	2699.083	EJE
1832	1024011.92	996322.583	2699.095	BV

1833	1024011.24	996323.713	2699.119	LIN
1834	1024020.01	996322.207	2699.445	LIN
1835	1024020.24	996322.045	2699.495	ACCESO
1836	1024024.61	996325.176	2699.507	ACCESO
1837	1024024.85	996325.479	2699.326	LIN
1838	1024024.71	996327.09	2699.121	BV
1839	1024024.17	996328.293	2699.019	EJE
1840	1024023.17	996330.139	2698.992	BV
1841	1024022.44	996331.195	2698.949	LIN
1842	1024029.28	996335.477	2698.717	LIN
1843	1024032.43	996338.482	2698.262	TN
1844	1024032.93	996337.52	2698.536	TN
1845	1024033.66	996337.027	2698.534	BV
1846	1024034.77	996335.571	2698.582	EJE
1847	1024035.9	996333.853	2698.759	BV
1848	1024037.06	996333.146	2698.923	LIN
1849	1024046.12	996338.126	2698.662	LIN
1850	1024045.52	996339.338	2698.165	BV
1851	1024044.46	996341.249	2697.88	EJE
1852	1024043.22	996343.278	2697.755	BV
1853	1024042.54	996343.983	2697.779	TN
1854	1024041.48	996344.409	2697.611	TN
1855	1023971.67	996293.394	2700.359	AUX-3
1856	1023970.68	996315.79	2695.938	AUX-4
1857	1023970.65	996315.804	2695.955	CHEQUEO_AUX
1858	1024054.61	996342.922	2697.838	POSTE
1859	1024051.86	996340.621	2698.764	M_CONTADOR
1860	1024051.89	996340.608	2698.726	LIN
1861	1024052.62	996341.004	2698.85	LIN
1862	1024052.68	996340.923	2698.836	M_CONTADOR
1863	1024055.57	996342.52	2699.114	TN
1864	1024057.51	996340.385	2699.138	LIN
1865	1024055.72	996342.148	2699.033	LIN
1866	1024054.28	996346.902	2697.139	TRAMO_7_Y
1867	1024052.34	996348.663	2696.882	BV
1868	1024051.35	996349.926	2697.014	TN
1869	1024055.49	996355.473	2696.253	LIN
1870	1024056.15	996354.259	2696.08	LIN
1871	1024056.68	996354.421	2696.108	ACCESO
1872	1024060.08	996356.355	2695.185	ACCESO
1873	1024057.81	996348.933	2696.816	BV
1874	1024056.77	996350.676	2696.609	EJE
1875	1024055.62	996352.369	2696.585	BV
1876	1024053.71	996353.277	2696.394	TN
1877	1024058.79	996347.184	2697.689	TN
1878	1024060.81	996347.755	2697.393	LIN
1879	1024059.95	996350.729	2696.244	LIN

1880	1024060.63	996356.353	2695.698	LIN
1881	1024064.04	996357.325	2695.199	BV
1882	1024064.66	996356.496	2695.097	EJE
1883	1024065.45	996355.338	2695.429	BV
1884	1024069.96	996355.944	2695.633	LIN
1885	1024074.06	996362.768	2694.082	LIN
1886	1024074.81	996361.996	2693.7	BV
1887	1024075.52	996360.649	2693.87	EJE
1888	1024076.09	996359.8	2693.927	BV
1889	1024077	996358.701	2694.588	LIN
1890	1024076.14	996363.229	2694.006	POSTE
1891	1024082.1	996366.232	2692.363	LIN
1892	1024082.14	996366.279	2692.489	ACCESO
1893	1024087.44	996368.523	2692.011	ACCESO
1894	1024087.58	996368.635	2691.87	LIN
1895	1024090.84	996370.134	2691.429	LIN
1896	1024090.69	996370.494	2691.196	M_CONTADOR
1897	1024092.46	996371.296	2691.329	M_CONTADOR
1898	1024092.44	996371.252	2691.424	LIN
1899	1024092.65	996370.195	2691.321	BV
1900	1024093.33	996368.956	2691.199	EJE
1901	1024093.95	996367.764	2691.253	BV
1902	1024094.33	996366.166	2692.035	LIN
1903	1024096.5	996372.671	2690.941	LIN
1904	1024096.52	996372.689	2690.943	ACCESO
1905	1024100.48	996374.158	2690.945	ACCESO
1906	1024100.64	996374.346	2690.889	LIN
1907	1024100.97	996373.742	2690.789	BV
1908	1024101.66	996372.172	2690.755	EJE
1909	1024102.01	996370.959	2690.795	BV
1910	1024102.81	996369.812	2690.833	LIN
1911	1024102.95	996369.859	2690.786	ACCESO
1912	1024105.84	996371.25	2690.786	ACCESO
1913	1024105.9	996371.339	2690.824	LIN
1914	1024104.97	996371.99	2690.562	ACCESO
1915	1024102.11	996370.712	2690.76	ACCESO
1916	1024105.1	996376.127	2690.592	ACCESO
1917	1024106.27	996376.556	2690.537	ACCESO
1918	1024106.3	996376.604	2690.498	LIN
1919	1024105.05	996376.101	2690.537	LIN
1920	1024110.41	996377.401	2690.278	LIN
1921	1024110.41	996377.405	2690.314	M_CONTADOR
1922	1024111.68	996377.548	2690.124	M_CONTADOR
1923	1024111.32	996376.109	2690.256	BV
1924	1024110.91	996374.539	2690.286	EJE
1925	1024111.42	996372.351	2690.216	BV
1926	1024109.7	996371.997	2690.517	LIN

1927	1024110.22	996370.744	2690.839	M_CONTADOR
1928	1024111.37	996370.766	2690.719	M_CONTADOR
1929	1024115.89	996371.422	2690.214	ACCESO
1930	1024116.54	996369.726	2690.608	ACCESO
1931	1024114.17	996368.689	2690.637	ACCESO
1932	1024112.25	996371.527	2690.428	ACCESO
1933	1024116.18	996371.443	2690.154	LIN
1934	1024120.04	996371.62	2690.485	LIN
1935	1024120.7	996371.837	2690.025	BV
1936	1024120.52	996374.373	2690.026	EJE
1937	1024120.68	996376.304	2690.037	BV
1938	1024120.51	996377.864	2689.846	TN
1939	1024132.2	996382.067	2689.494	LIN
1940	1024132.89	996379.887	2689.698	BV
1941	1024133.38	996377.856	2689.756	EJE
1942	1024133.64	996375.326	2689.743	BV
1943	1024133.94	996374.231	2690.357	LIN
1944	1024130.96	996373	2690.501	LIN
1945	1024130.17	996372.793	2690.452	CONTADOR
1946	1024130.03	996373.467	2689.856	BV
1947	1024142.76	996378.356	2691.228	LIN
1948	1024142.64	996379.432	2690.527	BV
1949	1024142.65	996381.114	2690.23	MH
1950	1024144.15	996380.9	2690.341	CONTADOR
1951	1024142.5	996381.326	2690.273	EJE
1952	1024140.87	996383.777	2689.831	BV
1953	1024140.41	996385.48	2689.365	LIN
1954	1024143.7	996385	2690.082	POSTE
1955	1024142.7	996382.8	2690.415	ACCESO
1956	1024143.12	996381.447	2690.432	ACCESO
1957	1024145.31	996381.363	2690.327	ACCESO
1958	1024144.64	996382.891	2690.572	ACCESO
1959	1024062	996342.259	2698.451	ACCESO
1960	1024062.18	996341.934	2698.697	LIN
1961	1024060.8	996345.343	2698.098	ACCESO
1962	1024060.95	996346.44	2697.816	M_CONTADOR
1963	1024060.43	996346.887	2697.533	M_CONTADOR
1964	1024061.31	996346.085	2697.704	LIN
1965	1024059.22	996344.768	2698.212	BV
1966	1024057.76	996343.808	2697.865	EJE
1967	1024056.32	996342.682	2698.093	BV
1968	1024056.7	996347.695	2697.12	BV
1969	1024061.36	996335.171	2700.684	LIN
1970	1024061.77	996335.341	2700.08	BV
1971	1024062.86	996335.801	2700.066	EJE
1972	1024064.87	996336.71	2700.17	BV
1973	1024065.4	996337.191	2700.023	LIN

1974	1024066.95	996327.109	2702.668	M_CONTADOR
1975	1024067.39	996326.422	2702.764	M_CONTADOR
1976	1024070.9	996321.521	2704.259	POSTE
1977	1024070.48	996321.411	2704.435	LIN
1978	1024070.84	996321.102	2704.397	M_CONTADOR
1979	1024071.65	996320.177	2704.747	M_CONTADOR
1980	1024072.15	996320.246	2705.514	MURO
1981	1024072.53	996320.609	2704.631	BV
1982	1024073.5	996321.509	2704.948	EJE
1983	1024075	996322.533	2704.38	BV
1984	1024076.19	996323.286	2704.61	LIN
1985	1024077.35	996321.199	2704.963	M_CONTADOR
1986	1024077.56	996320.525	2705.426	M_CONTADOR
1987	1024073.53	996317.51	2705.874	MURO
1988	1024076.49	996313.045	2706.169	ACCESO
1989	1024073.33	996317.072	2705.901	ACCESO
1990	1024076.81	996312.768	2707.012	LIN
1991	1024077.77	996313.434	2706.424	BV
1992	1024079.22	996314.208	2706.484	EJE
1993	1024080.67	996315.193	2706.578	BV
1994	1024081.26	996316.099	2706.634	LIN
1995	1024084.51	996312.024	2707.849	POSTE
1996	1024084.49	996312.275	2707.756	LIN
1997	1024084.71	996311.875	2708.357	M_CONTADOR
1998	1024085.3	996310.739	2708.346	MURO
1999	1024085.46	996310.708	2708.366	ACCESO
2000	1024088.04	996306.388	2708.449	ACCESO
2001	1024088.04	996306.112	2708.588	M_CONTADOR
2002	1024088.75	996304.93	2708.809	M_CONTADOR
2003	1024088.75	996304.935	2708.824	LIN
2004	1024082.35	996304.38	2708.786	LIN
2005	1024082.37	996304.418	2708.794	ACCESO
2006	1024081.03	996303.386	2709.272	ACCESO
2007	1024081.37	996301.281	2709.166	ACCESO
2008	1024085.13	996300.828	2709.449	ACCESO
2009	1024085.3	996300.449	2709.596	LIN
2010	1024091.7	996299.703	2710.717	ACCESO
2011	1024091.13	996300.846	2710.676	ACCESO
2012	1024090.39	996300.62	2710.288	ACCESO
2013	1024091.05	996299.397	2710.681	ACCESO
2014	1024089.58	996295.109	2711.633	ACCESO
2015	1024087.82	996294.269	2712.282	ACCESO
2016	1024088.44	996291.779	2712.422	ACCESO
2017	1024091.36	996292.113	2712.535	ACCESO
2018	1024092.07	996291.707	2712.8	BV
2019	1024091.03	996291.037	2713.581	TN
2020	1024093.33	996292.217	2712.797	EJE

2021	1024094.73	996292.836	2712.835	BV
2022	1024095.92	996294.984	2712.385	ACCESO
2023	1024096.8	996293.373	2712.561	ACCESO
2024	1024097.16	996293.257	2712.508	LIN
2025	1024096.61	996279.502	2717.138	TN
2026	1024098.25	996280.442	2716.851	BV
2027	1024099.73	996281.271	2716.826	EJE
2028	1024101.15	996281.991	2716.868	BV
2029	1024102.15	996284.296	2716.686	LIN
2030	1024106.19	996276.85	2719.709	LIN
2031	1024105.8	996276.152	2719.685	BV
2032	1024105.14	996274.718	2719.727	EJE
2033	1024104.11	996273.926	2719.694	BV
2034	1024103.51	996272.847	2720.094	TN
2035	1024105.15	996270.563	2721.268	TN
2036	1024107.41	996276.05	2720.084	ACCESO
2037	1024110.69	996277.812	2719.944	ACCESO
2038	1024112.72	996274.446	2720.362	ACCESO
2039	1024109.97	996273.027	2720.769	ACCESO
2040	1024106.38	996273.117	2720.256	_TRAMO_7_COTA
2041	1024105.11	996271.709	2720.581	BV
2042	1024108.91	996272.615	2720.766	BV
2043	1023906.34	996241.425	2702.929	BV
2044	1023905.11	996242.672	2702.795	TN
2045	1023898.75	996239.573	2702.609	LIN
2046	1023899.12	996237.199	2703.273	TN
2047	1023894.97	996236.995	2702.884	LIN
2048	1023896.17	996235.12	2703.474	BV
2049	1023897.48	996233.773	2703.535	EJE
2050	1023889.25	996223.642	2704.703	LIN
2051	1023888.36	996224.278	2704.027	BV
2052	1023887.37	996225.109	2704.05	EJE
2053	1023886.49	996225.904	2704.009	BV
2054	1023885.63	996226.757	2703.759	TN
2055	1023884.42	996227.325	2703.555	LIN
2056	1023886.67	996222.898	2704.051	ACCESO
2057	1023889	996222.111	2704.74	ACCESO
2058	1023887.93	996219.714	2704.831	ACCESO
2059	1023884.45	996220.561	2704.214	ACCESO
2060	1023883.51	996218.702	2704.833	LIN
2061	1023885.04	996219.661	2704.956	TN
2062	1023882.66	996218.179	2704.739	POSTE
2063	1023882.19	996218.446	2704.565	BV
2064	1023881.35	996219.29	2704.384	EJE
2065	1023880.23	996220.276	2704.485	BV
2066	1023879.57	996222.206	2704.244	TN
2067	1023875.44	996218.889	2705.359	TN

2068	1023875.47	996217.804	2705.081	TN
2069	1023875.67	996216.98	2704.845	BV
2070	1023876.07	996215.867	2704.889	EJE
2071	1023876.4	996214.479	2704.995	BV
2072	1023876.68	996213.664	2705.349	LIN
2073	1023873.32	996213.05	2705.108	LIN
2074	1023871.19	996213.595	2704.599	ACCESO
2075	1023869.37	996212.958	2704.522	ACCESO
2076	1023870.59	996210.039	2705.482	ACCESO
2077	1023872.12	996210.574	2705.49	ACCESO
2078	1023865.06	996211.459	2704.105	PORTON
2079	1023862.55	996214.45	2703.829	PORTON
2080	1023862.5	996214.736	2703.706	M_CONTADOR
2081	1023862.1	996215.555	2703.581	M_CONTADOR
2082	1023862.73	996215.998	2703.528	TN
2083	1023863.39	996216.114	2703.842	TN
2084	1023863.45	996214.742	2703.809	BV
2085	1023864.36	996213.177	2703.936	_TRAMO_8_COTA
2086	1023864.98	996212.143	2703.991	BV
2087	1023866.08	996210.902	2704.403	TN
2088	1025201.72	996869.95	2667.57	ACCESO
2089	1023964.67	996261.019	2705.154	BV

PROFESIONAL MARLA Z.



República de Colombia
CONSEJO PROFESIONAL NACIONAL DE TOPOGRAFÍA
Ley 70 / 79

CERTIFICADO DE VIGENCIA No: 520327/2025

EL DIRECTOR EJECUTIVO DEL CONSEJO PROFESIONAL NACIONAL DE TOPOGRAFÍA

HACE CONSTAR

Que el(la) Señor(a) **MARLA ZUÑIGA BENITEZ**, identificado(a) con cédula de ciudadanía No. **1152687204**, se encuentra inscrito(a) en el Registro Único de Topógrafos RUTOPO del CPNT como **TECNÓLOGO EN TOPOGRAFÍA** de la Institución de Educación Superior **SENA**, bajo la Licencia Profesional No. **01-15700** con fecha de expedición del **26 de Junio de 2015**.

Que el(la) Señor(a) **MARLA ZUÑIGA BENITEZ**, tiene vigente su Licencia Profesional No. **01-15700** y a la fecha **NO REGISTRA ANTECEDENTES DISCIPLINARIOS**, que lo (la) inhabiliten en el ejercicio de su profesión.

Dada en Bogotá, D.C. a los **31 días del mes de Enero de 2025**.

LUIS ALEJANDRO ZAFRA JARAMILLO
Director Ejecutivo

***Firma del profesional**

*La firma del profesional es requerida para comprobar la ausencia de su participación en procesos contractuales. La falta de la firma del profesional NO invalida el certificado.

Notas 1- El anterior certificado no supe la Licencia Profesional para ejercer un cargo.

2- La validez del documento se puede verificar en la página web www.cpnt.gov.co a través del número de certificado de Vigencia.

3- Este certificado digital tiene plena validez de conformidad con lo establecido en el Art. 2 de la Ley 527 de 1999, decreto 1747 de 2000 y Art. 6 Parágrafo 3 de la Ley 962 de 2005.



República de Colombia



CONSEJO PROFESIONAL NACIONAL DE TOPOGRAFIA

Nombre: MARLA ZUÑIGA BENITEZ

Cédula: 1.152.687.204.

Licencia Profesional No:

01-15700

Resolución: 02-5701 - 26/06/2015

TECNOLOGO EN TOPOGRAFIA
SENA



MARIA APARICIO P.

Vicepresidente





Medellín 21 de Enero de 2025

CARTA DE RESPONSABILIDAD

Yo **MARLA ZUÑIGA BENITEZ identificada** con cedula de ciudadana 1.152.687.204 en mi calidad de TOPOGRAFA con matricula profesional N° 0115700 expedida por el Consejo Profesional nacional de topografia presento los estudios previos para diseños de lozas en concreto MR de tramos viales ubicados zona de resguardos indígenas del Municipio de Cota -Cundinamarca

Cordialmente.

MARLA ZUÑIGA BENITEZ

Topógrafa

TP0115700

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