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ANEJO 02 TOPOGRAFÍA Y REPLANTEO



07E70025076600W3T3S8W4U8U9

FIRMANTE - FECHA
CARMEN MARIA CAÑADAS BARON-SECRETARIA ACCTAL. - 03/07/2023
serialNumber=S2833002E,CN=Sello de tiempo TS@ - @firma,OU=Secretaría General de Administración Digital,O=Secretaría de Estado de Función Pública,C=ES - 03/07/2023 13:39:29
APROBACION DEFINITIVA POR JUNTA GOBIERNO LOCAL, EN SESION EXTRAORDINARIA Y URGENTE, DE FECHA 02 DE JUNIO DE 2023



1 OBJETO

Es objeto del presente Anejo es determinar los listados de replanteo de los ejes de los diferentes viales que conforman la urbanización, así como definir la topografía que ha servido de punto base para la realización del encaje de los viales.

2 SISTEMA DE REFERENCIA

Para estos trabajos se ha utilizado el sistema de referencia European Terrestrial Reference System 1989 (ETRS-89 – EGM2008), huso: 30 -Norte, como se indica en REAL DECRETO 1071/2007, DE 27 DE JULIO DE 2007, POR EL QUE SE REGULA EL SISTEMA GEODÉSICO DE REFERENCIA OFICIAL EN ESPAÑA constituido por:

- Elipsoide internacional (GRS80).
- Radio de la tierra:

Semieje mayor: 6 378 137, m

Aplanamiento: 1/298 257 222 101.

- Datum Postdam.
- Orígenes de coordenadas geodésicas:

Latitudes: referidas al Ecuador y consideradas positivas al Norte del mismo.

Longitudes: referidas al meridiano de Greenwich y consideradas positivas al Este y negativas al Oeste.

- Sistema de Proyección Cartográfica: Proyección U.T.M (proyección conforme Universal Transversa de Mercator)

3 METODOLOGÍA DE LAS OBSERVACIONES

El levantamiento taquimétrico ha consistido en la observación de cada punto que conforma el levantamiento mediante la metodología u observación G.P.S..

El posicionamiento que se utilizó es RTK (cinemático en tiempo real), en el cual, el receptor base es un vértice en solución VRS-3 de la RAP (Red Andaluza de Posicionamiento) y un receptor móvil de marca Stonex y modelo S-10, con el que se barre la zona de trabajo tomando los puntos más característicos de la zona a realizar el levantamiento.

Se toman con cota de Elipsoide, corrigiendo en un punto central de la zona la zona a la ondulación del Geoide.

Una vez finalizada la toma de puntos, la descarga de los datos, se realizó mediante el programa de sincronización de datos Microsoft ActiveSync de la casa Microsoft. El resultado de tal descarga nos ofrece una nube de puntos, que se procesa mediante el programa MDT v 8.0 de la empresa Aplitop.

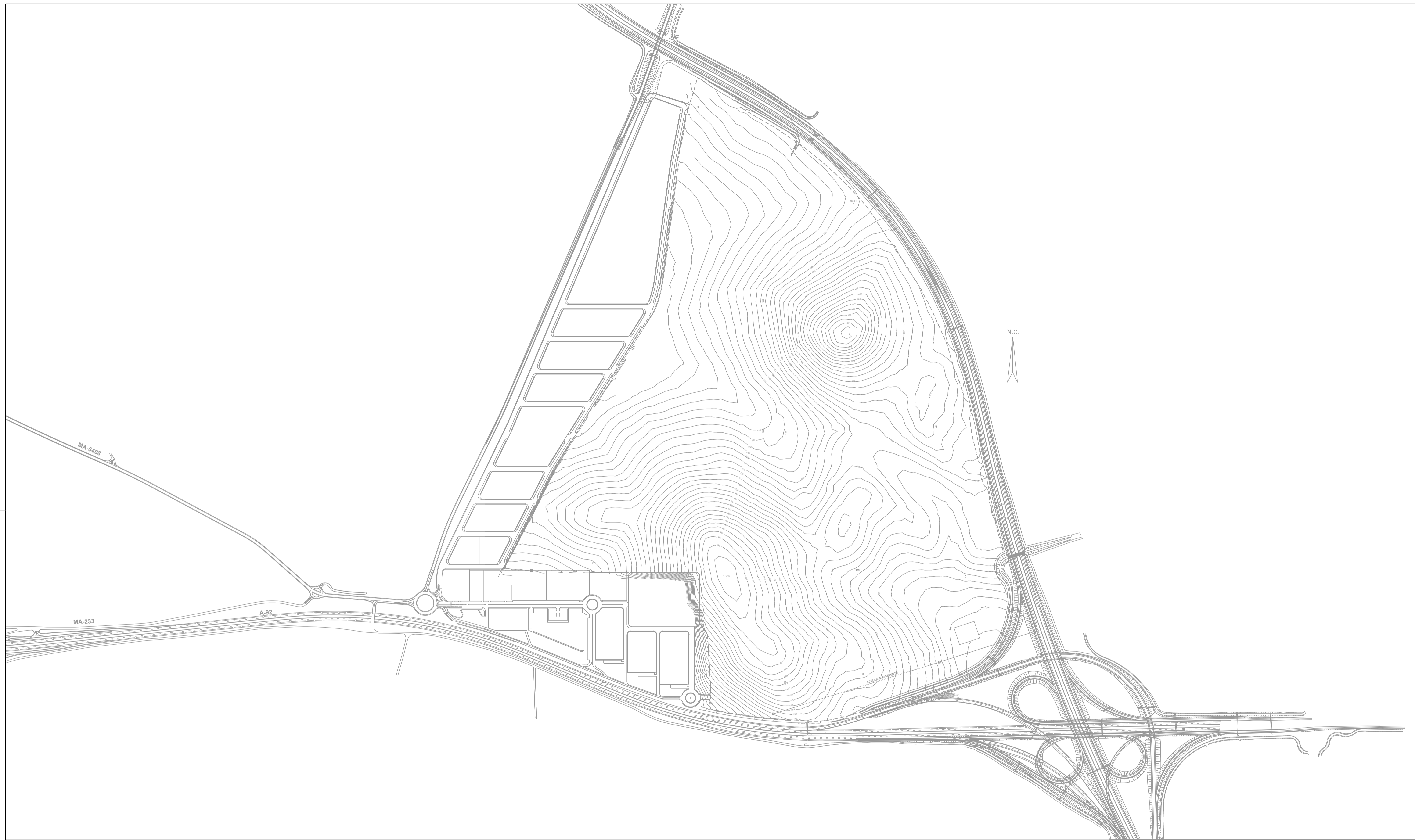
4 TOPOGRAFÍA ACTUAL



07E70025076600W3T3S8W4U8U9

FIRMANTE - FECHA	
ARMEN MARIA CAÑADAS BARON-SECRETARIA ACCTAL. - 03/07/2023	03/07/2023 13:39:29
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PROYECTO DE URBANIZACIÓN DE LA UNIDAD DE EJECUCIÓN 2 DEL PLAN PARCIAL
 del Sector SURS ICLA del PGOU de Antequera. 2ª Fase del CENTRO LOGÍSTICO EN DOS UNIDADES DE EJECUCIÓN

PROMOTOR: AGALAM CAPITAL S.L.U.

ARQUITECTO: CARLOS ARAUJO TRIGO

FECHA: FEBRERO 2022

ESCALA:



TOPOGRÁFICO ACTUAL TOP

PLANO Nº

5 LISTADOS DE REPLANTEO

5.1 DEFINICIÓN GEOMÉTRICA EN PLANTA

5.1.1 CALLE 15N

Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Longitud
Rec	0,000	362909,064	4103870,200	99.7305	0,000	10,000
Rec	10,000	362919,064	4103870,243	99.7305	0,000	10,000
Rec	20,000	362929,064	4103870,285	99.7305	0,000	10,000
Rec	30,000	362939,064	4103870,327	99.7305	0,000	10,000
Rec	40,000	362949,064	4103870,370	99.7305	0,000	3,310
Cur	43,310	362952,374	4103870,384	99.1961	-1238,920	6,690
Cur	50,000	362959,063	4103870,486	98.8524	-1238,920	10,000
Cur	60,000	362969,061	4103870,707	98.3385	-1238,920	10,000
Cur	70,000	362979,056	4103871,008	97.8247	-1238,920	10,000
Cur	80,000	362989,049	4103871,390	97.3108	-1238,920	10,000
Cur	90,000	362999,038	4103871,853	96.7970	-1238,920	10,000
Cur	100,000	363009,023	4103872,396	96.2831	-1238,920	10,000
Cur	110,000	363019,004	4103873,020	95.7693	-1238,920	10,000
Cur	120,000	363028,979	4103873,724	95.2554	-1238,920	10,000
Cur	130,000	363038,948	4103874,509	94.7416	-1238,920	10,000
Cur	140,000	363048,910	4103875,374	94.2277	-1238,920	10,000
Cur	150,000	363058,866	4103876,320	93.7139	-1238,920	10,000
Cur	160,000	363068,813	4103877,346	93.2000	-1238,920	10,000
Cur	170,000	363078,751	4103878,452	92.6861	-1238,920	10,000
Cur	180,000	363088,681	4103879,638	92.1723	-1238,920	10,000
Cur	190,000	363098,600	4103880,905	91.6584	-1238,920	5,699
Rec	195,699	363104,249	4103881,663	90.3521	0,000	4,301
Rec	200,000	363108,500	4103882,312	90.3521	0,000	10,000
Rec	210,000	363118,386	4103883,822	90.3521	0,000	10,000
Rec	220,000	363128,271	4103885,331	90.3521	0,000	10,000
Rec	230,000	363138,156	4103886,841	90.3521	0,000	6,119
Cur	236,119	363144,206	4103887,765	89.0146	-1349,052	3,881
Cur	240,000	363148,028	4103888,437	88.8315	-1349,052	10,000
Cur	250,000	363157,868	4103890,219	88.3596	-1349,052	10,000
Cur	260,000	363167,694	4103892,073	87.8877	-1349,052	10,000
Cur	270,000	363177,507	4103894,001	87.4158	-1349,052	10,000
Cur	280,000	363187,304	4103896,001	86.9439	-1349,052	10,000
Cur	290,000	363197,087	4103898,074	86.4720	-1349,052	10,000
Cur	300,000	363206,854	4103900,219	86.0001	-1349,052	10,000

Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Longitud
Cur	310,000	363216,605	4103902,437	85.5281	-1349,052	10,000
Cur	320,000	363226,340	4103904,726	85.0562	-1349,052	10,000
Cur	330,000	363236,057	4103907,088	84.5843	-1349,052	10,000
Cur	340,000	363245,756	4103909,522	84.1124	-1349,052	10,000
Cur	350,000	363255,437	4103912,028	83.6405	-1349,052	10,000
Cur	360,000	363265,099	4103914,605	83.1686	-1349,052	10,000
Cur	370,000	363274,742	4103917,254	82.6967	-1349,052	10,000
Cur	380,000	363284,365	4103919,974	82.2248	-1349,052	10,000
Cur	390,000	363293,967	4103922,766	81.7529	-1349,052	10,000
Cur	400,000	363303,549	4103925,629	81.2810	-1349,052	10,000
Cur	410,000	363313,109	4103928,562	80.8091	-1349,052	10,000
Cur	420,000	363322,647	4103931,567	80.3372	-1349,052	10,000
Cur	430,000	363332,162	4103934,642	79.8653	-1349,052	10,000
Cur	440,000	363341,654	4103937,787	79.3934	-1349,052	0,069
Cur	440,069	363341,720	4103937,809	80.3180	-908,139	9,931
Cur	450,000	363351,163	4103940,882	79.6218	-908,139	10,000
Cur	460,000	363360,638	4103944,081	78.9207	-908,139	10,000
Cur	470,000	363370,077	4103947,384	78.2197	-908,139	10,000
Cur	480,000	363379,478	4103950,791	77.5187	-908,139	10,000
Cur	490,000	363388,842	4103954,301	76.8177	-908,139	10,000
Cur	500,000	363398,167	4103957,914	76.1167	-908,139	10,000
Cur	510,000	363407,451	4103961,629	75.4157	-908,139	10,000
Cur	520,000	363416,693	4103965,447	74.7146	-908,139	10,000
Cur	530,000	363425,893	4103969,365	74.0136	-908,139	10,000
Cur	540,000	363435,050	4103973,385	73.3126	-908,139	10,000
Cur	550,000	363444,161	4103977,506	72.6116	-908,139	10,000
Cur	560,000	363453,227	4103981,727	71.9106	-908,139	10,000
Cur	570,000	363462,245	4103986,047	71.2096	-908,139	10,000
Cur	580,000	363471,216	4103990,466	70.5085	-908,139	10,000
Cur	590,000	363480,137	4103994,984	69.8075	-908,139	10,000
Cur	600,000	363489,008	4103999,599	69.1065	-908,139	10,000
Cur	610,000	363497,828	4104004,313	68.4055	-908,139	10,000
Cur	620,000	363506,595	4104009,122	67.7045	-908,139	10,000
Cur	630,000	363515,309	4104014,029	67.0035	-908,139	10,000
Cur	640,000	363523,968	4104019,031	66.3025	-908,139	1,708
Cur	641,708	363525,441	4104019,894	61.8664	-312,469	8,292
Cur	650,000	363532,227	4104024,660	60.1769	-312,469	10,000
Cur	660,000	363540,238	4104030,644	58.1395	-312,469	10,000
Cur	670,000	363548,054	4104036,881	56.1021	-312,469	10,000
Cur	680,000	363555,666	4104043,366	54.0647	-312,469	10,000



Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Longitud
Cur	690,000	363563,067	4104050,090	52.0273	-312,469	10,000
Cur	700,000	363570,249	4104057,048	49.9900	-312,469	10,000
Cur	710,000	363577,205	4104064,232	47.9526	-312,469	10,000
Cur	720,000	363583,927	4104071,635	45.9152	-312,469	10,000
Cur	730,000	363590,409	4104079,249	43.8778	-312,469	10,000
Cur	740,000	363596,643	4104087,067	41.8404	-312,469	10,000
Cur	750,000	363602,625	4104095,080	39.8030	-312,469	10,000
Cur	760,000	363608,347	4104103,281	37.7657	-312,469	9,410
Cur	769,410	363613,489	4104111,161	35.4988	-304,407	0,590
Cur	770,000	363613,801	4104111,662	35.3753	-304,407	10,000
Cur	780,000	363618,936	4104120,243	33.2840	-304,407	10,000
Cur	790,000	363623,786	4104128,987	31.1927	-304,407	10,000
Cur	800,000	363628,346	4104137,886	29.1013	-304,407	10,000
Cur	810,000	363632,612	4104146,931	27.0100	-304,407	10,000
Cur	820,000	363636,578	4104156,110	24.9186	-304,407	10,000
Cur	830,000	363640,240	4104165,415	22.8273	-304,407	10,000
Cur	840,000	363643,595	4104174,834	20.7359	-304,407	10,000
Cur	850,000	363646,639	4104184,360	18.6446	-304,407	10,000
Cur	860,000	363649,368	4104193,979	16.5533	-304,407	10,000
Cur	870,000	363651,780	4104203,684	14.4619	-304,407	10,000
Cur	880,000	363653,872	4104213,462	12.3706	-304,407	10,000
Cur	890,000	363655,641	4104223,304	10.2792	-304,407	10,000
Cur	900,000	363657,086	4104233,198	8.1879	-304,407	10,000
Cur	910,000	363658,206	4104243,135	6.0966	-304,407	2,335
Cur	912,335	363658,420	4104245,460	5.6095	-304,368	7,665
Cur	920,000	363658,999	4104253,103	4.0063	-304,368	10,000
Cur	930,000	363659,463	4104263,092	1.9147	-304,368	10,000
Cur	940,000	363659,600	4104273,091	399.8230	-304,368	10,000
Cur	950,000	363659,408	4104283,088	397.7314	-304,368	10,000
Cur	960,000	363658,887	4104293,074	395.6398	-304,368	10,000
Cur	970,000	363658,039	4104303,038	393.5482	-304,368	10,000
Cur	980,000	363656,864	4104312,968	391.4566	-304,368	10,000
Cur	990,000	363655,364	4104322,854	389.3650	-304,368	10,000
Cur	1000,000	363653,539	4104332,686	387.2734	-304,368	10,000
Cur	1010,000	363651,393	4104342,453	385.1817	-304,368	4,068
Rec	1014,068	363650,428	4104346,405	382.7026	0,000	5,932
Rec	1020,000	363648,836	4104352,119	382.7026	0,000	10,000
Rec	1030,000	363646,152	4104361,752	382.7026	0,000	10,000
Rec	1040,000	363643,469	4104371,385	382.7026	0,000	10,000
Rec	1050,000	363640,785	4104381,018	382.7026	0,000	10,000

Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Longitud
Rec	1060,000	363638,101	4104390,651	382.7026	0,000	10,000
Rec	1070,000	363635,417	4104400,285	382.7026	0,000	10,000
Rec	1080,000	363632,734	4104409,918	382.7026	0,000	10,000
Rec	1090,000	363630,050	4104419,551	382.7026	0,000	10,000
Rec	1100,000	363627,366	4104429,184	382.7026	0,000	10,000
Rec	1110,000	363624,682	4104438,817	382.7026	0,000	10,000
Rec	1120,000	363621,999	4104448,450	382.7026	0,000	10,000
Rec	1130,000	363619,315	4104458,083	382.7026	0,000	10,000
Rec	1140,000	363616,631	4104467,717	382.7026	0,000	10,000
Rec	1150,000	363613,947	4104477,350	382.7026	0,000	10,000
Rec	1160,000	363611,264	4104486,983	382.7026	0,000	10,000
Rec	1170,000	363608,580	4104496,616	382.7026	0,000	10,000
Rec	1180,000	363605,896	4104506,249	382.7026	0,000	10,000
Rec	1190,000	363603,212	4104515,882	382.7026	0,000	10,000
Rec	1200,000	363600,529	4104525,515	382.7026	0,000	10,000
Rec	1210,000	363597,845	4104535,149	382.7026	0,000	10,000
Rec	1220,000	363595,161	4104544,782	382.7026	0,000	10,000
Rec	1230,000	363592,477	4104554,415	382.7026	0,000	10,000
Rec	1240,000	363589,794	4104564,048	382.7026	0,000	10,000
Rec	1250,000	363587,110	4104573,681	382.7026	0,000	10,000
Rec	1260,000	363584,426	4104583,314	382.7026	0,000	10,000
Rec	1270,000	363581,742	4104592,947	382.7026	0,000	10,000
Rec	1280,000	363579,058	4104602,581	382.7026	0,000	10,000
Rec	1290,000	363576,375	4104612,214	382.7026	0,000	0,689
Rec	1290,689	363576,190	4104612,877	382.7026	0,000	9,311
Rec	1300,000	363573,691	4104621,847	382.7026	0,000	10,000
Rec	1310,000	363571,007	4104631,480	382.7026	0,000	10,000
Rec	1320,000	363568,323	4104641,113	382.7026	0,000	10,000
Rec	1330,000	363565,640	4104650,746	382.7026	0,000	10,000
Rec	1340,000	363562,956	4104660,379	382.7026	0,000	10,000
Rec	1350,000	363560,272	4104670,013	382.7026	0,000	10,000
Rec	1360,000	363557,588	4104679,646	382.7026	0,000	10,000
Rec	1370,000	363554,905	4104689,279	382.7026	0,000	10,000
Rec	1380,000	363552,221	4104698,912	382.7026	0,000	10,000
Rec	1390,000	363549,537	4104708,545	382.7026	0,000	10,000
Rec	1400,000	363546,853	4104718,178	382.7026	0,000	10,000
Rec	1410,000	363544,170	4104727,811	382.7026	0,000	10,000
Rec	1420,000	363541,486	4104737,445	382.7026	0,000	10,000
Rec	1430,000	363538,802	4104747,078	382.7026	0,000	10,000
Rec	1440,000	363536,118	4104756,711	382.7026	0,000	10,000



Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Longitud
Rec	1450,000	363533,435	4104766,344	382.7026	0,000	10,000
Rec	1460,000	363530,751	4104775,977	382.7026	0,000	10,000
Rec	1470,000	363528,067	4104785,610	382.7026	0,000	10,000
Rec	1480,000	363525,383	4104795,243	382.7026	0,000	1,321
Cur	1481,321	363525,029	4104796,516	383.2761	-1126,929	8,679
Cur	1490,000	363522,743	4104804,888	382.7858	-1126,929	10,000
Cur	1500,000	363520,029	4104814,513	382.2208	-1126,929	10,000
Cur	1510,000	363517,230	4104824,113	381.6559	-1126,929	10,000
Cur	1520,000	363514,345	4104833,688	381.0910	-1126,929	10,000
Cur	1530,000	363511,376	4104843,237	380.5261	-1126,929	10,000
Cur	1540,000	363508,323	4104852,760	379.9612	-1126,929	10,000
Cur	1550,000	363505,184	4104862,254	379.3963	-1126,929	10,000
Cur	1560,000	363501,962	4104871,721	378.8314	-1126,929	10,000
Cur	1570,000	363498,656	4104881,159	378.2664	-1126,929	10,000
Cur	1580,000	363495,266	4104890,567	377.7015	-1126,929	10,000
Cur	1590,000	363491,793	4104899,944	377.1366	-1126,929	10,000
Cur	1600,000	363488,237	4104909,290	376.5717	-1126,929	10,000
Cur	1610,000	363484,598	4104918,605	376.0068	-1126,929	10,000
Cur	1620,000	363480,877	4104927,886	375.4419	-1126,929	10,000
Cur	1630,000	363477,073	4104937,135	374.8769	-1126,929	10,000
Cur	1640,000	363473,187	4104946,349	374.3120	-1126,929	10,000
Cur	1650,000	363469,220	4104955,528	373.7471	-1126,929	10,000
Cur	1660,000	363465,172	4104964,672	373.1822	-1126,929	10,000
Cur	1670,000	363461,042	4104973,780	372.6173	-1126,929	10,000
Cur	1680,000	363456,832	4104982,850	372.0524	-1126,929	10,000
Cur	1690,000	363452,542	4104991,883	371.4875	-1126,929	10,000
Cur	1700,000	363448,171	4105000,877	370.9225	-1126,929	10,000
Cur	1710,000	363443,721	4105009,832	370.3576	-1126,929	10,000
Cur	1720,000	363439,192	4105018,748	369.7927	-1126,929	10,000
Cur	1730,000	363434,583	4105027,623	369.2278	-1126,929	10,000
Cur	1740,000	363429,897	4105036,456	368.6629	-1126,929	10,000
Cur	1750,000	363425,131	4105045,248	368.0980	-1126,929	10,000
Cur	1760,000	363420,289	4105053,997	367.5330	-1126,929	10,000
Cur	1770,000	363415,368	4105062,703	366.9681	-1126,929	10,000
Cur	1780,000	363410,371	4105071,364	366.4032	-1126,929	10,000
Cur	1790,000	363405,297	4105079,981	365.8383	-1126,929	10,000
Cur	1800,000	363400,146	4105088,553	365.2734	-1126,929	10,000
Cur	1810,000	363394,920	4105097,079	364.7085	-1126,929	10,000
Cur	1820,000	363389,619	4105105,558	364.1436	-1126,929	10,000
Cur	1830,000	363384,242	4105113,989	363.5786	-1126,929	10,000

Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Longitud
Cur	1840,000	363378,791	4105122,373	363.0137	-1126,929	10,000
Cur	1850,000	363373,265	4105130,708	362.4488	-1126,929	10,000
Cur	1860,000	363367,666	4105138,993	361.8839	-1126,929	10,000
Cur	1870,000	363361,994	4105147,228	361.3190	-1126,929	10,000
Cur	1880,000	363356,248	4105155,413	360.7541	-1126,929	2,720
Cur	1882,720	363354,673	4105157,630	360.9459	-1040,237	7,280
Cur	1890,000	363350,461	4105163,568	360.5004	-1040,237	10,000
Cur	1900,000	363344,608	4105171,676	359.8884	-1040,237	10,000
Cur	1910,000	363338,677	4105179,728	359.2764	-1040,237	10,000
Cur	1920,000	363332,669	4105187,722	358.6644	-1040,237	10,000
Cur	1930,000	363326,585	4105195,658	358.0524	-1040,237	10,000
Cur	1940,000	363320,424	4105203,535	357.4404	-1040,237	10,000
Cur	1950,000	363314,188	4105211,352	356.8284	-1040,237	10,000
Cur	1960,000	363307,878	4105219,109	356.2164	-1040,237	10,000
Cur	1970,000	363301,493	4105226,806	355.6044	-1040,237	10,000
Cur	1980,000	363295,034	4105234,440	354.9924	-1040,237	10,000
Cur	1990,000	363288,502	4105242,012	354.3804	-1040,237	10,000
Cur	2000,000	363281,898	4105249,521	353.7684	-1040,237	10,000
Cur	2010,000	363275,222	4105256,966	353.1564	-1040,237	10,000
Cur	2020,000	363268,474	4105264,346	352.5444	-1040,237	10,000
Cur	2030,000	363261,656	4105271,661	351.9324	-1040,237	10,000
Cur	2040,000	363254,768	4105278,911	351.3205	-1040,237	10,000
Cur	2050,000	363247,810	4105286,094	350.7085	-1040,237	10,000
Cur	2060,000	363240,784	4105293,209	350.0965	-1040,237	10,000
Cur	2070,000	363233,690	4105300,257	349.4845	-1040,237	10,000
Cur	2080,000	363226,528	4105307,236	348.8725	-1040,237	10,000
Cur	2090,000	363219,300	4105314,146	348.2605	-1040,237	10,000
Cur	2100,000	363212,005	4105320,986	347.6485	-1040,237	10,000
Cur	2110,000	363204,645	4105327,756	347.0365	-1040,237	10,000
Cur	2120,000	363197,221	4105334,455	346.4245	-1040,237	10,000
Cur	2130,000	363189,732	4105341,082	345.8125	-1040,237	10,000
Cur	2140,000	363182,180	4105347,637	345.2005	-1040,237	10,000
Cur	2150,000	363174,565	4105354,119	344.5885	-1040,237	10,000
Cur	2160,000	363166,888	4105360,527	343.9765	-1040,237	10,000
Cur	2170,000	363159,150	4105366,861	343.3645	-1040,237	10,000
Cur	2180,000	363151,352	4105373,121	342.7525	-1040,237	10,000
Cur	2190,000	363143,493	4105379,305	342.1405	-1040,237	10,000
Cur	2200,000	363135,576	4105385,414	341.5285	-1040,237	2,726
Cur	2202,726	363133,407	4105387,066	340.9433	15751,561	7,274
Cur	2210,000	363127,588	4105391,429	340.9727	15751,561	10,000



Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Longitud
Cur	2220,000	363119,590	4105397,432	341.0132	15751,561	10,000
Cur	2230,000	363111,596	4105403,441	341.0536	15751,561	10,000
Cur	2240,000	363103,607	4105409,454	341.0940	15751,561	10,000
Cur	2250,000	363095,621	4105415,473	341.1344	15751,561	3,046
Cur	2253,046	363093,189	4105417,307	343.6481	-721,177	6,954
Cur	2260,000	363087,785	4105421,684	343.0342	-721,177	10,000
Cur	2270,000	363079,941	4105427,886	342.1515	-721,177	10,000
Cur	2280,000	363072,012	4105433,979	341.2687	-721,177	10,000
Cur	2290,000	363063,999	4105439,962	340.3860	-721,177	10,000
Cur	2300,000	363055,903	4105445,833	339.5032	-721,177	10,000
Cur	2310,000	363047,728	4105451,590	338.6205	-721,177	10,000
Cur	2320,000	363039,473	4105457,235	337.7377	-721,177	10,000
Cur	2330,000	363031,140	4105462,764	336.8550	-721,177	10,000
Cur	2340,000	363022,732	4105468,177	335.9722	-721,177	10,000
Cur	2350,000	363014,250	4105473,472	335.0895	-721,177	10,000
Cur	2360,000	363005,695	4105478,650	334.2067	-721,177	10,000
Cur	2370,000	362997,068	4105483,709	333.3240	-721,177	10,000
Cur	2380,000	362988,373	4105488,647	332.4412	-721,177	10,000
Cur	2390,000	362979,610	4105493,465	331.5585	-721,177	10,000
Cur	2400,000	362970,781	4105498,160	330.6757	-721,177	10,000
Cur	2410,000	362961,888	4105502,733	329.7930	-721,177	10,000
Cur	2420,000	362952,932	4105507,182	328.9102	-721,177	10,000
Cur	2430,000	362943,916	4105511,506	328.0275	-721,177	10,000
Cur	2440,000	362934,840	4105515,705	327.1447	-721,177	10,000
Cur	2450,000	362925,707	4105519,777	326.2620	-721,177	10,000
Cur	2460,000	362916,518	4105523,723	325.3792	-721,177	10,000
Cur	2470,000	362907,276	4105527,541	324.4965	-721,177	10,000
Cur	2480,000	362897,981	4105531,230	323.6137	-721,177	10,000
Cur	2490,000	362888,636	4105534,790	322.7309	-721,177	10,000
Cur	2500,000	362879,243	4105538,220	321.8482	-721,177	8,545
	2508,545	362871,180	4105541,048	321.0939		

5.1.2 CALLE 5A

Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Longitud
Rec	0,000	363116,357	4104977,465	99.5210	0,000	10,000
Rec	10,000	363126,357	4104977,540	99.5210	0,000	10,000
Rec	20,000	363136,356	4104977,616	99.5210	0,000	10,000
Rec	30,000	363146,356	4104977,691	99.5210	0,000	10,000
Rec	40,000	363156,356	4104977,766	99.5210	0,000	10,000
Rec	50,000	363166,355	4104977,841	99.5210	0,000	10,000
Rec	60,000	363176,355	4104977,917	99.5210	0,000	10,000
Rec	70,000	363186,355	4104977,992	99.5210	0,000	10,000
Rec	80,000	363196,355	4104978,067	99.5210	0,000	10,000
Rec	90,000	363206,354	4104978,142	99.5210	0,000	10,000
Rec	100,000	363216,354	4104978,218	99.5210	0,000	10,000
Rec	110,000	363226,354	4104978,293	99.5210	0,000	10,000
Rec	120,000	363236,353	4104978,368	99.5210	0,000	10,000
Rec	130,000	363246,353	4104978,443	99.5210	0,000	10,000
Rec	140,000	363256,353	4104978,519	99.5210	0,000	10,000
Rec	150,000	363266,353	4104978,594	99.5210	0,000	10,000
Rec	160,000	363276,352	4104978,669	99.5210	0,000	10,000
Rec	170,000	363286,352	4104978,744	99.5210	0,000	10,000
Rec	180,000	363296,352	4104978,819	99.5210	0,000	10,000
Rec	190,000	363306,351	4104978,895	99.5210	0,000	10,000
Rec	200,000	363316,351	4104978,970	99.5210	0,000	10,000
Rec	210,000	363326,351	4104979,045	99.5210	0,000	10,000
Rec	220,000	363336,351	4104979,120	99.5210	0,000	10,000
Rec	230,000	363346,350	4104979,196	99.5210	0,000	10,000
Rec	240,000	363356,350	4104979,271	99.5210	0,000	10,000
Rec	250,000	363366,350	4104979,346	99.5210	0,000	10,000
Rec	260,000	363376,350	4104979,421	99.5210	0,000	10,000
Rec	270,000	363386,349	4104979,497	99.5210	0,000	10,000
Rec	280,000	363396,349	4104979,572	99.5210	0,000	10,000
Rec	290,000	363406,349	4104979,647	99.5210	0,000	10,000
Rec	300,000	363416,348	4104979,722	99.5210	0,000	10,000
Rec	310,000	363426,348	4104979,798	99.5210	0,000	10,000
Rec	320,000	363436,348	4104979,873	99.5210	0,000	10,000
Rec	330,000	363446,348	4104979,948	99.5210	0,000	10,000
Rec	340,000	363456,347	4104980,023	99.5210	0,000	1,801
	341,801	363458,148	4104980,037	99.5210		



5.1.3 CALLE 9A

Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Longitud
Rec	0,000	363099,007	4104609,441	99.5415	0,000	10,000
Rec	10,000	363109,007	4104609,513	99.5415	0,000	10,000
Rec	20,000	363119,006	4104609,585	99.5415	0,000	10,000
Rec	30,000	363129,006	4104609,657	99.5415	0,000	10,000
Rec	40,000	363139,006	4104609,729	99.5415	0,000	10,000
Rec	50,000	363149,006	4104609,801	99.5415	0,000	10,000
Rec	60,000	363159,005	4104609,873	99.5415	0,000	10,000
Rec	70,000	363169,005	4104609,945	99.5415	0,000	10,000
Rec	80,000	363179,005	4104610,017	99.5415	0,000	10,000
Rec	90,000	363189,005	4104610,089	99.5415	0,000	10,000
Rec	100,000	363199,004	4104610,161	99.5415	0,000	10,000
Rec	110,000	363209,004	4104610,233	99.5415	0,000	10,000
Rec	120,000	363219,004	4104610,305	99.5415	0,000	10,000
Rec	130,000	363229,004	4104610,377	99.5415	0,000	10,000
Rec	140,000	363239,003	4104610,449	99.5415	0,000	10,000
Rec	150,000	363249,003	4104610,521	99.5415	0,000	10,000
Rec	160,000	363259,003	4104610,593	99.5415	0,000	10,000
Rec	170,000	363269,003	4104610,665	99.5415	0,000	10,000
Rec	180,000	363279,002	4104610,737	99.5415	0,000	10,000
Rec	190,000	363289,002	4104610,809	99.5415	0,000	10,000
Rec	200,000	363299,002	4104610,881	99.5415	0,000	10,000
Rec	210,000	363309,002	4104610,953	99.5415	0,000	10,000
Rec	220,000	363319,001	4104611,025	99.5415	0,000	10,000
Rec	230,000	363329,001	4104611,097	99.5415	0,000	10,000
Rec	240,000	363339,001	4104611,169	99.5415	0,000	10,000
Rec	250,000	363349,000	4104611,241	99.5415	0,000	10,000
Rec	260,000	363359,000	4104611,313	99.5415	0,000	10,000
Rec	270,000	363369,000	4104611,385	99.5415	0,000	10,000
Rec	280,000	363379,000	4104611,457	99.5415	0,000	10,000
Rec	290,000	363388,999	4104611,529	99.5415	0,000	10,000
Rec	300,000	363398,999	4104611,601	99.5415	0,000	10,000
Rec	310,000	363408,999	4104611,673	99.5415	0,000	10,000
Rec	320,000	363418,999	4104611,745	99.5415	0,000	10,000
Rec	330,000	363428,998	4104611,817	99.5415	0,000	10,000
Rec	340,000	363438,998	4104611,889	99.5415	0,000	10,000
Rec	350,000	363448,998	4104611,961	99.5415	0,000	10,000
Rec	360,000	363458,998	4104612,033	99.5415	0,000	10,000

Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Longitud
Rec	370,000	363468,997	4104612,105	99.5415	0,000	10,000
Rec	380,000	363478,997	4104612,177	99.5415	0,000	10,000
Rec	390,000	363488,997	4104612,249	99.5415	0,000	10,000
Rec	400,000	363498,997	4104612,321	99.5415	0,000	10,000
Rec	410,000	363508,996	4104612,393	99.5415	0,000	10,000
Rec	420,000	363518,996	4104612,466	99.5415	0,000	10,000
Rec	430,000	363528,996	4104612,538	99.5415	0,000	10,000
Rec	440,000	363538,996	4104612,610	99.5415	0,000	10,000
Rec	450,000	363548,995	4104612,682	99.5415	0,000	10,000
Rec	460,000	363558,995	4104612,754	99.5415	0,000	10,000
Rec	470,000	363568,995	4104612,826	99.5415	0,000	7,195
	477,195	363576,190	4104612,877	99.5415		



07E70025076600W3T3S8W4U8U9



5.1.4 CALLE 13A

Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Longitud
Rec	0,000	362361,859	4104236,122	99.5415	0,000	10,000
Rec	10,000	362371,859	4104236,194	99.5415	0,000	10,000
Rec	20,000	362381,859	4104236,266	99.5415	0,000	10,000
Rec	30,000	362391,858	4104236,338	99.5415	0,000	10,000
Rec	40,000	362401,858	4104236,410	99.5415	0,000	10,000
Rec	50,000	362411,858	4104236,482	99.5415	0,000	10,000
Rec	60,000	362421,857	4104236,554	99.5415	0,000	10,000
Rec	70,000	362431,857	4104236,626	99.5415	0,000	10,000
Rec	80,000	362441,857	4104236,698	99.5415	0,000	10,000
Rec	90,000	362451,857	4104236,770	99.5415	0,000	10,000
Rec	100,000	362461,856	4104236,842	99.5415	0,000	10,000
Rec	110,000	362471,856	4104236,914	99.5415	0,000	10,000
Rec	120,000	362481,856	4104236,986	99.5415	0,000	10,000
Rec	130,000	362491,856	4104237,058	99.5415	0,000	10,000
Rec	140,000	362501,855	4104237,130	99.5415	0,000	10,000
Rec	150,000	362511,855	4104237,202	99.5415	0,000	10,000
Rec	160,000	362521,855	4104237,274	99.5415	0,000	10,000
Rec	170,000	362531,855	4104237,346	99.5415	0,000	10,000
Rec	180,000	362541,854	4104237,418	99.5415	0,000	10,000
Rec	190,000	362551,854	4104237,490	99.5415	0,000	10,000
Rec	200,000	362561,854	4104237,562	99.5415	0,000	10,000
Rec	210,000	362571,854	4104237,634	99.5415	0,000	10,000
Rec	220,000	362581,853	4104237,706	99.5415	0,000	10,000
Rec	230,000	362591,853	4104237,778	99.5415	0,000	10,000
Rec	240,000	362601,853	4104237,850	99.5415	0,000	10,000
Rec	250,000	362611,853	4104237,923	99.5415	0,000	10,000
Rec	260,000	362621,852	4104237,995	99.5415	0,000	10,000
Rec	270,000	362631,852	4104238,067	99.5415	0,000	10,000
Rec	280,000	362641,852	4104238,139	99.5415	0,000	10,000
Rec	290,000	362651,852	4104238,211	99.5415	0,000	10,000
Rec	300,000	362661,851	4104238,283	99.5415	0,000	10,000
Rec	310,000	362671,851	4104238,355	99.5415	0,000	10,000
Rec	320,000	362681,851	4104238,427	99.5415	0,000	10,000
Rec	330,000	362691,850	4104238,499	99.5415	0,000	10,000
Rec	340,000	362701,850	4104238,571	99.5415	0,000	10,000
Rec	350,000	362711,850	4104238,643	99.5415	0,000	10,000
Rec	360,000	362721,850	4104238,715	99.5415	0,000	10,000

Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Longitud
Rec	370,000	362731,849	4104238,787	99.5415	0,000	10,000
Rec	380,000	362741,849	4104238,859	99.5415	0,000	10,000
Rec	390,000	362751,849	4104238,931	99.5415	0,000	10,000
Rec	400,000	362761,849	4104239,003	99.5415	0,000	10,000
Rec	410,000	362771,848	4104239,075	99.5415	0,000	10,000
Rec	420,000	362781,848	4104239,147	99.5415	0,000	10,000
Rec	430,000	362791,848	4104239,219	99.5415	0,000	10,000
Rec	440,000	362801,848	4104239,291	99.5415	0,000	10,000
Rec	450,000	362811,847	4104239,363	99.5415	0,000	10,000
Rec	460,000	362821,847	4104239,435	99.5415	0,000	10,000
Rec	470,000	362831,847	4104239,507	99.5415	0,000	10,000
Rec	480,000	362841,847	4104239,579	99.5415	0,000	10,000
Rec	490,000	362851,846	4104239,651	99.5415	0,000	10,000
Rec	500,000	362861,846	4104239,723	99.5415	0,000	10,000
Rec	510,000	362871,846	4104239,795	99.5415	0,000	10,000
Rec	520,000	362881,846	4104239,867	99.5415	0,000	10,000
Rec	530,000	362891,845	4104239,939	99.5415	0,000	10,000
Rec	540,000	362901,845	4104240,011	99.5415	0,000	10,000
Rec	550,000	362911,845	4104240,083	99.5415	0,000	10,000
Rec	560,000	362921,844	4104240,155	99.5415	0,000	10,000
Rec	570,000	362931,844	4104240,227	99.5415	0,000	10,000
Rec	580,000	362941,844	4104240,299	99.5415	0,000	10,000
Rec	590,000	362951,844	4104240,371	99.5415	0,000	10,000
Rec	600,000	362961,843	4104240,443	99.5415	0,000	10,000
Rec	610,000	362971,843	4104240,515	99.5415	0,000	10,000
Rec	620,000	362981,843	4104240,587	99.5415	0,000	10,000
Rec	630,000	362991,843	4104240,659	99.5415	0,000	10,000
Rec	640,000	363001,842	4104240,731	99.5415	0,000	10,000
Rec	650,000	363011,842	4104240,803	99.5415	0,000	10,000
Rec	660,000	363021,842	4104240,875	99.5415	0,000	10,000
Rec	670,000	363031,842	4104240,947	99.5415	0,000	10,000
Rec	680,000	363041,841	4104241,019	99.5415	0,000	10,000
Rec	690,000	363051,841	4104241,091	99.5415	0,000	10,000
Rec	700,000	363061,841	4104241,163	99.5415	0,000	10,000
Rec	710,000	363071,841	4104241,235	99.5415	0,000	10,000
Rec	720,000	363081,840	4104241,307	99.5415	0,000	10,000
Rec	730,000	363091,840	4104241,379	99.5415	0,000	10,000
Rec	740,000	363101,840	4104241,452	99.5415	0,000	10,000
Rec	750,000	363111,840	4104241,524	99.5415	0,000	10,000
Rec	760,000	363121,839	4104241,596	99.5415	0,000	10,000



Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Longitud
Rec	770,000	363131,839	4104241,668	99.5415	0,000	10,000
Rec	780,000	363141,839	4104241,740	99.5415	0,000	10,000
Rec	790,000	363151,839	4104241,812	99.5415	0,000	10,000
Rec	800,000	363161,838	4104241,884	99.5415	0,000	10,000
Rec	810,000	363171,838	4104241,956	99.5415	0,000	10,000
Rec	820,000	363181,838	4104242,028	99.5415	0,000	10,000
Rec	830,000	363191,837	4104242,100	99.5415	0,000	10,000
Rec	840,000	363201,837	4104242,172	99.5415	0,000	10,000
Rec	850,000	363211,837	4104242,244	99.5415	0,000	10,000
Rec	860,000	363221,837	4104242,316	99.5415	0,000	10,000
Rec	870,000	363231,836	4104242,388	99.5415	0,000	10,000
Rec	880,000	363241,836	4104242,460	99.5415	0,000	10,000
Rec	890,000	363251,836	4104242,532	99.5415	0,000	10,000
Rec	900,000	363261,836	4104242,604	99.5415	0,000	10,000
Rec	910,000	363271,835	4104242,676	99.5415	0,000	10,000
Rec	920,000	363281,835	4104242,748	99.5415	0,000	10,000
Rec	930,000	363291,835	4104242,820	99.5415	0,000	10,000
Rec	940,000	363301,835	4104242,892	99.5415	0,000	10,000
Rec	950,000	363311,834	4104242,964	99.5415	0,000	10,000
Rec	960,000	363321,834	4104243,036	99.5415	0,000	10,000
Rec	970,000	363331,834	4104243,108	99.5415	0,000	10,000
Rec	980,000	363341,834	4104243,180	99.5415	0,000	10,000
Rec	990,000	363351,833	4104243,252	99.5415	0,000	10,000
Rec	1000,000	363361,833	4104243,324	99.5415	0,000	10,000
Rec	1010,000	363371,833	4104243,396	99.5415	0,000	10,000
Rec	1020,000	363381,833	4104243,468	99.5415	0,000	10,000
Rec	1030,000	363391,832	4104243,540	99.5415	0,000	10,000
Rec	1040,000	363401,832	4104243,612	99.5415	0,000	10,000
Rec	1050,000	363411,832	4104243,684	99.5415	0,000	10,000
Rec	1060,000	363421,832	4104243,756	99.5415	0,000	10,000
Rec	1070,000	363431,831	4104243,828	99.5415	0,000	10,000
Rec	1080,000	363441,831	4104243,900	99.5415	0,000	10,000
Rec	1090,000	363451,831	4104243,972	99.5415	0,000	10,000
Rec	1100,000	363461,830	4104244,044	99.5415	0,000	10,000
Rec	1110,000	363471,830	4104244,116	99.5415	0,000	10,000
Rec	1120,000	363481,830	4104244,188	99.5415	0,000	10,000
Rec	1130,000	363491,830	4104244,260	99.5415	0,000	10,000
Rec	1140,000	363501,829	4104244,332	99.5415	0,000	10,000
Rec	1150,000	363511,829	4104244,404	99.5415	0,000	10,000
Rec	1160,000	363521,829	4104244,476	99.5415	0,000	10,000

Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Longitud
Rec	1170,000	363531,829	4104244,548	99.5415	0,000	10,000
Rec	1180,000	363541,828	4104244,620	99.5415	0,000	10,000
Rec	1190,000	363551,828	4104244,692	99.5415	0,000	10,000
Rec	1200,000	363561,828	4104244,764	99.5415	0,000	10,000
Rec	1210,000	363571,828	4104244,836	99.5415	0,000	10,000
Rec	1220,000	363581,827	4104244,908	99.5415	0,000	10,000
Rec	1230,000	363591,827	4104244,981	99.5415	0,000	10,000
Rec	1240,000	363601,827	4104245,053	99.5415	0,000	10,000
Rec	1250,000	363611,827	4104245,125	99.5415	0,000	10,000
Rec	1260,000	363621,826	4104245,197	99.5415	0,000	10,000
Rec	1270,000	363631,826	4104245,269	99.5415	0,000	10,000
Rec	1280,000	363641,826	4104245,341	99.5415	0,000	10,000
Rec	1290,000	363651,826	4104245,413	99.5415	0,000	6,595
	1296,595	363658,420	4104245,460	99.5415		



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5.1.5 CALLE HN2

Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Longitud
Rec	0,000	363139,198	4105437,648	240.3346	0,000	10,000
Rec	10,000	363133,278	4105429,589	240.3346	0,000	10,000
Rec	20,000	363127,357	4105421,529	240.3346	0,000	10,000
Rec	30,000	363121,437	4105413,470	240.3346	0,000	10,000
Rec	40,000	363115,517	4105405,411	240.3346	0,000	3,750
Rec	43,750	363113,296	4105402,389	199.5415	0,000	6,250
Rec	50,000	363113,341	4105396,139	199.5415	0,000	10,000
Rec	60,000	363113,414	4105386,139	199.5415	0,000	10,000
Rec	70,000	363113,486	4105376,140	199.5415	0,000	10,000
Rec	80,000	363113,558	4105366,140	199.5415	0,000	10,000
Rec	90,000	363113,630	4105356,140	199.5415	0,000	10,000
Rec	100,000	363113,702	4105346,140	199.5415	0,000	10,000
Rec	110,000	363113,774	4105336,141	199.5415	0,000	10,000
Rec	120,000	363113,846	4105326,141	199.5415	0,000	10,000
Rec	130,000	363113,918	4105316,141	199.5415	0,000	10,000
Rec	140,000	363113,990	4105306,141	199.5415	0,000	10,000
Rec	150,000	363114,062	4105296,142	199.5415	0,000	10,000
Rec	160,000	363114,134	4105286,142	199.5415	0,000	10,000
Rec	170,000	363114,206	4105276,142	199.5415	0,000	3,575
Rec	173,575	363114,231	4105272,567	199.5415	0,000	6,425
Rec	180,000	363114,278	4105266,142	199.5415	0,000	10,000
Rec	190,000	363114,350	4105256,143	199.5415	0,000	10,000
Rec	200,000	363114,422	4105246,143	199.5415	0,000	10,000
Rec	210,000	363114,494	4105236,143	199.5415	0,000	10,000
Rec	220,000	363114,566	4105226,144	199.5415	0,000	10,000
Rec	230,000	363114,638	4105216,144	199.5415	0,000	10,000
Rec	240,000	363114,710	4105206,144	199.5415	0,000	10,000
Rec	250,000	363114,782	4105196,144	199.5415	0,000	10,000
Rec	260,000	363114,854	4105186,145	199.5415	0,000	10,000
Rec	270,000	363114,926	4105176,145	199.5415	0,000	10,000
Rec	280,000	363114,998	4105166,145	199.5415	0,000	10,000
Rec	290,000	363115,070	4105156,145	199.5415	0,000	10,000
Rec	300,000	363115,142	4105146,146	199.5415	0,000	10,000
Rec	310,000	363115,214	4105136,146	199.5415	0,000	10,000
Rec	320,000	363115,286	4105126,146	199.5415	0,000	10,000
Rec	330,000	363115,358	4105116,146	199.5415	0,000	10,000
Rec	340,000	363115,430	4105106,147	199.5415	0,000	10,000
Rec	350,000	363115,502	4105096,147	199.5415	0,000	10,000
Rec	360,000	363115,574	4105086,147	199.5415	0,000	10,000

Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Longitud
Rec	370,000	363115,646	4105076,147	199.5415	0,000	10,000
Rec	380,000	363115,718	4105066,148	199.5415	0,000	10,000
Rec	390,000	363115,790	4105056,148	199.5415	0,000	10,000
Rec	400,000	363115,862	4105046,148	199.5415	0,000	10,000
Rec	410,000	363115,934	4105036,148	199.5415	0,000	10,000
Rec	420,000	363116,006	4105026,149	199.5415	0,000	10,000
Rec	430,000	363116,078	4105016,149	199.5415	0,000	10,000
Rec	440,000	363116,150	4105006,149	199.5415	0,000	10,000
Rec	450,000	363116,222	4104996,149	199.5415	0,000	10,000
Rec	460,000	363116,294	4104986,150	199.5415	0,000	8,575
Rec	468,575	363116,356	4104977,575	199.5415	0,000	1,425
Rec	470,000	363116,366	4104976,150	199.5415	0,000	10,000
Rec	480,000	363116,438	4104966,150	199.5415	0,000	10,000
Rec	490,000	363116,510	4104956,151	199.5415	0,000	10,000
Rec	500,000	363116,582	4104946,151	199.5415	0,000	10,000
Rec	510,000	363116,654	4104936,151	199.5415	0,000	10,000
Rec	520,000	363116,726	4104926,151	199.5415	0,000	10,000
Rec	530,000	363116,798	4104916,152	199.5415	0,000	10,000
Rec	540,000	363116,870	4104906,152	199.5415	0,000	10,000
Rec	550,000	363116,943	4104896,152	199.5415	0,000	10,000
Rec	560,000	363117,015	4104886,152	199.5415	0,000	10,000
Rec	570,000	363117,087	4104876,153	199.5415	0,000	10,000
Rec	580,000	363117,159	4104866,153	199.5415	0,000	10,000
Rec	590,000	363117,231	4104856,153	199.5415	0,000	10,000
Rec	600,000	363117,303	4104846,153	199.5415	0,000	10,000
Rec	610,000	363117,375	4104836,154	199.5415	0,000	10,000
Rec	620,000	363117,447	4104826,154	199.5415	0,000	10,000
Rec	630,000	363117,519	4104816,154	199.5415	0,000	10,000
Rec	640,000	363117,591	4104806,154	199.5415	0,000	10,000
Rec	650,000	363117,663	4104796,155	199.5415	0,000	10,000
Rec	660,000	363117,735	4104786,155	199.5415	0,000	10,000
Rec	670,000	363117,807	4104776,155	199.5415	0,000	10,000
Rec	680,000	363117,879	4104766,155	199.5415	0,000	10,000
Rec	690,000	363117,951	4104756,156	199.5415	0,000	10,000
Rec	700,000	363118,023	4104746,156	199.5415	0,000	10,000
Rec	710,000	363118,095	4104736,156	199.5415	0,000	10,000
Rec	720,000	363118,167	4104726,156	199.5415	0,000	10,000
Rec	730,000	363118,239	4104716,157	199.5415	0,000	10,000
Rec	740,000	363118,311	4104706,157	199.5415	0,000	10,000
Rec	750,000	363118,383	4104696,157	199.5415	0,000	10,000



Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Longitud
Rec	760,000	363118,455	4104686,158	199.5415	0,000	10,000
Rec	770,000	363118,527	4104676,158	199.5415	0,000	10,000
Rec	780,000	363118,599	4104666,158	199.5415	0,000	10,000
Rec	790,000	363118,671	4104656,158	199.5415	0,000	10,000
Rec	800,000	363118,743	4104646,159	199.5415	0,000	10,000
Rec	810,000	363118,815	4104636,159	199.5415	0,000	10,000
Rec	820,000	363118,887	4104626,159	199.5415	0,000	10,000
Rec	830,000	363118,959	4104616,159	199.5415	0,000	6,575
Rec	836,575	363119,006	4104609,585	199.5415	0,000	3,425
Rec	840,000	363119,031	4104606,160	199.5415	0,000	10,000
Rec	850,000	363119,103	4104596,160	199.5415	0,000	10,000
Rec	860,000	363119,175	4104586,160	199.5415	0,000	10,000
Rec	870,000	363119,247	4104576,160	199.5415	0,000	10,000
Rec	880,000	363119,319	4104566,161	199.5415	0,000	10,000
Rec	890,000	363119,391	4104556,161	199.5415	0,000	10,000
Rec	900,000	363119,463	4104546,161	199.5415	0,000	10,000
Rec	910,000	363119,535	4104536,161	199.5415	0,000	10,000
Rec	920,000	363119,607	4104526,162	199.5415	0,000	10,000
Rec	930,000	363119,679	4104516,162	199.5415	0,000	10,000
Rec	940,000	363119,751	4104506,162	199.5415	0,000	10,000
Rec	950,000	363119,823	4104496,162	199.5415	0,000	10,000
Rec	960,000	363119,895	4104486,163	199.5415	0,000	10,000
Rec	970,000	363119,967	4104476,163	199.5415	0,000	10,000
Rec	980,000	363120,039	4104466,163	199.5415	0,000	10,000
Rec	990,000	363120,111	4104456,163	199.5415	0,000	10,000
Rec	1000,000	363120,183	4104446,164	199.5415	0,000	10,000
Rec	1010,000	363120,255	4104436,164	199.5415	0,000	10,000
Rec	1020,000	363120,327	4104426,164	199.5415	0,000	10,000
Rec	1030,000	363120,399	4104416,165	199.5415	0,000	10,000
Rec	1040,000	363120,472	4104406,165	199.5415	0,000	10,000
Rec	1050,000	363120,544	4104396,165	199.5415	0,000	10,000
Rec	1060,000	363120,616	4104386,165	199.5415	0,000	10,000
Rec	1070,000	363120,688	4104376,166	199.5415	0,000	10,000
Rec	1080,000	363120,760	4104366,166	199.5415	0,000	10,000
Rec	1090,000	363120,832	4104356,166	199.5415	0,000	10,000
Rec	1100,000	363120,904	4104346,166	199.5415	0,000	10,000
Rec	1110,000	363120,976	4104336,167	199.5415	0,000	10,000
Rec	1120,000	363121,048	4104326,167	199.5415	0,000	10,000
Rec	1130,000	363121,120	4104316,167	199.5415	0,000	10,000
Rec	1140,000	363121,192	4104306,167	199.5415	0,000	10,000

Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Longitud
Rec	1150,000	363121,264	4104296,168	199.5415	0,000	10,000
Rec	1160,000	363121,336	4104286,168	199.5415	0,000	10,000
Rec	1170,000	363121,408	4104276,168	199.5415	0,000	10,000
Rec	1180,000	363121,480	4104266,168	199.5415	0,000	10,000
Rec	1190,000	363121,552	4104256,169	199.5415	0,000	10,000
Rec	1200,000	363121,624	4104246,169	199.5415	0,000	4,575
Rec	1204,575	363121,657	4104241,594	199.5415	0,000	5,425
Rec	1210,000	363121,696	4104236,169	199.5415	0,000	10,000
Rec	1220,000	363121,768	4104226,169	199.5415	0,000	10,000
Rec	1230,000	363121,840	4104216,170	199.5415	0,000	10,000
Rec	1240,000	363121,912	4104206,170	199.5415	0,000	10,000
Rec	1250,000	363121,984	4104196,170	199.5415	0,000	10,000
Rec	1260,000	363122,056	4104186,170	199.5415	0,000	10,000
Rec	1270,000	363122,128	4104176,171	199.5415	0,000	10,000
Rec	1280,000	363122,200	4104166,171	199.5415	0,000	10,000
Rec	1290,000	363122,272	4104156,171	199.5415	0,000	10,000
Rec	1300,000	363122,344	4104146,172	199.5415	0,000	10,000
Rec	1310,000	363122,416	4104136,172	199.5415	0,000	1,825
Rec	1311,825	363122,429	4104134,347	199.5414	0,000	8,175
Rec	1320,000	363122,488	4104126,172	199.5414	0,000	10,000
Rec	1330,000	363122,560	4104116,172	199.5414	0,000	10,000
Rec	1340,000	363122,632	4104106,173	199.5414	0,000	10,000
Rec	1350,000	363122,704	4104096,173	199.5414	0,000	10,000
Rec	1360,000	363122,776	4104086,173	199.5414	0,000	10,000
Rec	1370,000	363122,848	4104076,173	199.5414	0,000	10,000
Rec	1380,000	363122,920	4104066,174	199.5414	0,000	10,000
Rec	1390,000	363122,992	4104056,174	199.5414	0,000	10,000
Rec	1400,000	363123,064	4104046,174	199.5414	0,000	10,000
Rec	1410,000	363123,136	4104036,174	199.5414	0,000	10,000
Rec	1420,000	363123,208	4104026,175	199.5414	0,000	10,000
Rec	1430,000	363123,280	4104016,175	199.5414	0,000	10,000
Rec	1440,000	363123,353	4104006,175	199.5414	0,000	10,000
Rec	1450,000	363123,425	4103996,175	199.5414	0,000	10,000
Rec	1460,000	363123,497	4103986,176	199.5414	0,000	10,000
Rec	1470,000	363123,569	4103976,176	199.5414	0,000	10,000
Rec	1480,000	363123,641	4103966,176	199.5414	0,000	10,000
Rec	1490,000	363123,713	4103956,176	199.5414	0,000	10,000
Rec	1500,000	363123,785	4103946,177	199.5414	0,000	10,000
Rec	1510,000	363123,857	4103936,177	199.5414	0,000	10,000
Rec	1520,000	363123,929	4103926,177	199.5414	0,000	10,000



Tipo	P.K.	Coord. X	Coord. Y	Azimut	Radio	Longitud
Rec	1530,000	363124,001	4103916,177	199.5414	0,000	10,000
Rec	1540,000	363124,073	4103906,178	199.5414	0,000	10,000
Rec	1550,000	363124,145	4103896,178	199.5414	0,000	10,000
Rec	1560,000	363124,217	4103886,178	199.5414	0,000	1,465
Rec	1561,465	363124,228	4103884,714	190.3521	0,000	8,535
Rec	1570,000	363125,516	4103876,276	190.3521	0,000	10,000
Rec	1580,000	363127,026	4103866,391	190.3521	0,000	10,000
Rec	1590,000	363128,536	4103856,505	190.3521	0,000	10,000
Rec	1600,000	363130,045	4103846,620	190.3521	0,000	6,122
	1606,122	363130,969	4103840,568	190.3521		



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5.2 DEFINICIÓN GEOMÉTRICA EN ALZADO

5.2.1 CALLE 15 N

P.K.	Cota	Kv	Tangente	Flecha	Pendiente
0,000	448,380	0,000	0,000	0,000	0.034051
10,000	448,721	371,776	10,224	0,141	0.060949
20,000	449,330	371,776	10,224	0,141	0.074992
30,000	450,080	0,000	0,000	0,000	0.075000
40,000	450,830	0,000	0,000	0,000	0.075000
50,000	451,580	0,000	0,000	0,000	0.075000
60,000	452,330	0,000	0,000	0,000	0.075000
70,000	453,080	0,000	0,000	0,000	0.075000
80,000	453,830	0,000	0,000	0,000	0.075000
90,000	454,580	0,000	0,000	0,000	0.075000
100,000	455,330	0,000	0,000	0,000	0.075000
110,000	456,080	0,000	0,000	0,000	0.075000
120,000	456,830	0,000	0,000	0,000	0.075000
130,000	457,580	0,000	0,000	0,000	0.075000
140,000	458,330	0,000	0,000	0,000	0.075000
150,000	459,080	0,000	0,000	0,000	0.075000
160,000	459,830	0,000	0,000	0,000	0.075000
170,000	460,580	0,000	0,000	0,000	0.074769
180,000	461,328	346,667	13,000	0,244	0.056923
190,000	461,897	346,667	13,000	0,244	0.040000
191,733	461,966	346,667	13,000	0,244	0.025577
200,000	462,178	346,667	13,000	0,244	0.003231
210,000	462,210	0,000	0,000	0,000	0.000000
220,000	462,210	0,000	0,000	0,000	0.000000
230,000	462,210	0,000	0,000	0,000	0.000000
240,000	462,210	0,000	0,000	0,000	0.000000
250,000	462,210	0,000	0,000	0,000	0.000000
260,000	462,210	0,000	0,000	0,000	0.000000
270,000	462,210	0,000	0,000	0,000	0.000000
280,000	462,210	0,000	0,000	0,000	0.000000
290,000	462,210	0,000	0,000	0,000	-0.002263
300,000	462,187	1813,613	30,452	0,256	-0.007752
310,000	462,110	1813,613	30,452	0,256	-0.013266
320,000	461,977	1813,613	30,452	0,256	-0.016407
321,393	461,954	1813,613	30,452	0,256	-0.019164
330,000	461,789	1813,613	30,452	0,256	-0.024294

P.K.	Cota	Kv	Tangente	Flecha	Pendiente
340,000	461,546	1813,613	30,452	0,256	-0.029807
350,000	461,248	1813,613	30,452	0,256	-0.033486
360,000	460,914	0,000	0,000	0,000	-0.033581
370,000	460,578	0,000	0,000	0,000	-0.033581
380,000	460,242	0,000	0,000	0,000	-0.033581
390,000	459,906	0,000	0,000	0,000	-0.033581
400,000	459,570	0,000	0,000	0,000	-0.033581
410,000	459,234	0,000	0,000	0,000	-0.033581
420,000	458,899	0,000	0,000	0,000	-0.033581
430,000	458,563	0,000	0,000	0,000	-0.033581
440,000	458,227	0,000	0,000	0,000	-0.033581
450,000	457,891	0,000	0,000	0,000	-0.033581
460,000	457,555	0,000	0,000	0,000	-0.033581
470,000	457,220	0,000	0,000	0,000	-0.033581
480,000	456,884	0,000	0,000	0,000	-0.033581
490,000	456,548	0,000	0,000	0,000	-0.033581
500,000	456,212	0,000	0,000	0,000	-0.033581
510,000	455,876	0,000	0,000	0,000	-0.033581
520,000	455,541	0,000	0,000	0,000	-0.033581
530,000	455,205	0,000	0,000	0,000	-0.033581
540,000	454,869	0,000	0,000	0,000	-0.033581
550,000	454,533	0,000	0,000	0,000	-0.033581
560,000	454,197	0,000	0,000	0,000	-0.033581
570,000	453,862	0,000	0,000	0,000	-0.033581
580,000	453,526	0,000	0,000	0,000	-0.033581
590,000	453,190	0,000	0,000	0,000	-0.033581
600,000	452,854	0,000	0,000	0,000	-0.033581
610,000	452,518	0,000	0,000	0,000	-0.033581
620,000	452,182	0,000	0,000	0,000	-0.033581
630,000	451,847	0,000	0,000	0,000	-0.033581
640,000	451,511	0,000	0,000	0,000	-0.033581
650,000	451,175	0,000	0,000	0,000	-0.033581
660,000	450,839	0,000	0,000	0,000	-0.033581
670,000	450,503	0,000	0,000	0,000	-0.033581
680,000	450,168	0,000	0,000	0,000	-0.032828
690,000	449,839	3214,158	77,112	0,925	-0.029860
700,000	449,541	3214,158	77,112	0,925	-0.026749
710,000	449,273	3214,158	77,112	0,925	-0.023638
720,000	449,037	3214,158	77,112	0,925	-0.020527
730,000	448,832	3214,158	77,112	0,925	-0.017415



P.K.	Cota	Kv	Tangente	Flecha	Pendiente
740,000	448,657	3214,158	77,112	0,925	-0.014304
750,000	448,514	3214,158	77,112	0,925	-0.011193
760,000	448,402	3214,158	77,112	0,925	-0.009613
760,153	448,401	3214,158	77,112	0,925	-0.008058
770,000	448,322	3214,158	77,112	0,925	-0.004970
780,000	448,272	3214,158	77,112	0,925	-0.001859
790,000	448,253	3214,158	77,112	0,925	0.001252
800,000	448,266	3214,158	77,112	0,925	0.004363
810,000	448,309	3214,158	77,112	0,925	0.007475
820,000	448,384	3214,158	77,112	0,925	0.010586
830,000	448,490	3214,158	77,112	0,925	0.013578
840,000	448,626	0,000	0,000	0,000	0.014401
850,000	448,770	0,000	0,000	0,000	0.014401
860,000	448,914	0,000	0,000	0,000	0.014401
870,000	449,058	0,000	0,000	0,000	0.014401
880,000	449,202	0,000	0,000	0,000	0.014401
890,000	449,346	0,000	0,000	0,000	0.014401
900,000	449,490	0,000	0,000	0,000	0.014401
910,000	449,634	0,000	0,000	0,000	0.014401
920,000	449,778	0,000	0,000	0,000	0.014401
930,000	449,922	0,000	0,000	0,000	0.014401
940,000	450,066	0,000	0,000	0,000	0.014401
950,000	450,210	0,000	0,000	0,000	0.014401
960,000	450,354	0,000	0,000	0,000	0.014401
970,000	450,498	0,000	0,000	0,000	0.014401
980,000	450,642	0,000	0,000	0,000	0.014401
990,000	450,786	0,000	0,000	0,000	0.014401
1000,000	450,930	0,000	0,000	0,000	0.014401
1010,000	451,074	0,000	0,000	0,000	0.014401
1020,000	451,218	0,000	0,000	0,000	0.014401
1030,000	451,362	0,000	0,000	0,000	0.014401
1040,000	451,506	0,000	0,000	0,000	0.014401
1050,000	451,650	0,000	0,000	0,000	0.014401
1060,000	451,794	0,000	0,000	0,000	0.014401
1070,000	451,938	0,000	0,000	0,000	0.014401
1080,000	452,082	0,000	0,000	0,000	0.014401
1090,000	452,226	0,000	0,000	0,000	0.014401
1100,000	452,370	0,000	0,000	0,000	0.014401
1110,000	452,514	0,000	0,000	0,000	0.014401
1120,000	452,658	0,000	0,000	0,000	0.014401

P.K.	Cota	Kv	Tangente	Flecha	Pendiente
1130,000	452,802	0,000	0,000	0,000	0.014401
1140,000	452,946	0,000	0,000	0,000	0.014401
1150,000	453,090	0,000	0,000	0,000	0.014401
1160,000	453,234	0,000	0,000	0,000	0.014401
1170,000	453,378	0,000	0,000	0,000	0.014401
1180,000	453,522	0,000	0,000	0,000	0.014401
1190,000	453,666	0,000	0,000	0,000	0.014401
1200,000	453,810	0,000	0,000	0,000	0.014401
1210,000	453,954	0,000	0,000	0,000	0.014401
1220,000	454,098	0,000	0,000	0,000	0.014401
1230,000	454,242	0,000	0,000	0,000	0.014401
1240,000	454,386	0,000	0,000	0,000	0.014401
1250,000	454,530	0,000	0,000	0,000	0.014401
1260,000	454,674	0,000	0,000	0,000	0.014401
1270,000	454,818	0,000	0,000	0,000	0.014401
1280,000	454,962	0,000	0,000	0,000	0.014401
1290,000	455,106	0,000	0,000	0,000	0.014401
1300,000	455,251	0,000	0,000	0,000	0.014401
1310,000	455,395	0,000	0,000	0,000	0.014401
1320,000	455,539	0,000	0,000	0,000	0.014401
1330,000	455,683	0,000	0,000	0,000	0.014401
1340,000	455,827	0,000	0,000	0,000	0.014401
1350,000	455,971	0,000	0,000	0,000	0.014401
1360,000	456,115	0,000	0,000	0,000	0.014401
1370,000	456,259	0,000	0,000	0,000	0.014401
1380,000	456,403	0,000	0,000	0,000	0.014401
1390,000	456,547	0,000	0,000	0,000	0.014401
1400,000	456,691	0,000	0,000	0,000	0.014401
1410,000	456,835	0,000	0,000	0,000	0.014401
1420,000	456,979	0,000	0,000	0,000	0.014401
1430,000	457,123	0,000	0,000	0,000	0.014401
1440,000	457,267	0,000	0,000	0,000	0.014401
1450,000	457,411	0,000	0,000	0,000	0.014401
1460,000	457,555	0,000	0,000	0,000	0.014401
1470,000	457,699	0,000	0,000	0,000	0.014401
1480,000	457,843	0,000	0,000	0,000	0.014401
1490,000	457,987	0,000	0,000	0,000	0.014401
1500,000	458,131	0,000	0,000	0,000	0.014401
1510,000	458,275	0,000	0,000	0,000	0.014401
1520,000	458,419	0,000	0,000	0,000	0.014401



P.K.	Cota	Kv	Tangente	Flecha	Pendiente
1530,000	458,563	0,000	0,000	0,000	0.014401
1540,000	458,707	0,000	0,000	0,000	0.014401
1550,000	458,851	0,000	0,000	0,000	0.014401
1560,000	458,995	0,000	0,000	0,000	0.014401
1570,000	459,139	0,000	0,000	0,000	0.014401
1580,000	459,283	0,000	0,000	0,000	0.014401
1590,000	459,427	0,000	0,000	0,000	0.014401
1600,000	459,571	0,000	0,000	0,000	0.014401
1610,000	459,715	0,000	0,000	0,000	0.014401
1620,000	459,859	0,000	0,000	0,000	0.014401
1630,000	460,003	0,000	0,000	0,000	0.014401
1640,000	460,147	0,000	0,000	0,000	0.014401
1650,000	460,291	0,000	0,000	0,000	0.014401
1660,000	460,435	0,000	0,000	0,000	0.014401
1670,000	460,579	0,000	0,000	0,000	0.014401
1680,000	460,723	0,000	0,000	0,000	0.014401
1690,000	460,867	0,000	0,000	0,000	0.014401
1700,000	461,011	0,000	0,000	0,000	0.014284
1710,000	461,154	2291,797	80,000	1,396	0.011210
1720,000	461,266	2291,797	80,000	1,396	0.006846
1730,000	461,334	2291,797	80,000	1,396	0.002483
1740,000	461,359	2291,797	80,000	1,396	-0.001880
1750,000	461,340	2291,797	80,000	1,396	-0.006244
1760,000	461,278	2291,797	80,000	1,396	-0.010607
1770,000	461,172	2291,797	80,000	1,396	-0.014971
1780,000	461,022	2291,797	80,000	1,396	-0.018829
1787,685	460,878	2291,797	80,000	1,396	-0.021011
1790,000	460,829	2291,797	80,000	1,396	-0.023697
1800,000	460,592	2291,797	80,000	1,396	-0.028061
1810,000	460,311	2291,797	80,000	1,396	-0.032424
1820,000	459,987	2291,797	80,000	1,396	-0.036788
1830,000	459,619	2291,797	80,000	1,396	-0.041151
1840,000	459,208	2291,797	80,000	1,396	-0.045514
1850,000	458,753	2291,797	80,000	1,396	-0.049878
1860,000	458,254	2291,797	80,000	1,396	-0.054065
1870,000	457,713	4545,208	103,917	1,188	-0.053804
1880,000	457,175	4545,208	103,917	1,188	-0.051603
1890,000	456,659	4545,208	103,917	1,188	-0.049403
1900,000	456,165	4545,208	103,917	1,188	-0.047203
1910,000	455,693	4545,208	103,917	1,188	-0.045003

P.K.	Cota	Kv	Tangente	Flecha	Pendiente
1920,000	455,243	4545,208	103,917	1,188	-0.042803
1930,000	454,815	4545,208	103,917	1,188	-0.040603
1940,000	454,409	4545,208	103,917	1,188	-0.038403
1950,000	454,025	4545,208	103,917	1,188	-0.036203
1960,000	453,663	4545,208	103,917	1,188	-0.034002
1970,000	453,323	4545,208	103,917	1,188	-0.032726
1971,602	453,270	4545,208	103,917	1,188	-0.031626
1980,000	453,005	4545,208	103,917	1,188	-0.029602
1990,000	452,709	4545,208	103,917	1,188	-0.027402
2000,000	452,435	4545,208	103,917	1,188	-0.025202
2010,000	452,183	4545,208	103,917	1,188	-0.023002
2020,000	451,953	4545,208	103,917	1,188	-0.020802
2030,000	451,745	4545,208	103,917	1,188	-0.018602
2040,000	451,559	4545,208	103,917	1,188	-0.016401
2050,000	451,395	4545,208	103,917	1,188	-0.014201
2060,000	451,253	4545,208	103,917	1,188	-0.012001
2070,000	451,133	4545,208	103,917	1,188	-0.010023
2080,000	451,032	0,000	0,000	0,000	-0.009687
2090,000	450,936	0,000	0,000	0,000	-0.009687
2100,000	450,839	0,000	0,000	0,000	-0.009687
2110,000	450,742	0,000	0,000	0,000	-0.009687
2120,000	450,645	0,000	0,000	0,000	-0.009687
2130,000	450,548	0,000	0,000	0,000	-0.009687
2140,000	450,451	0,000	0,000	0,000	-0.009687
2150,000	450,354	0,000	0,000	0,000	-0.009687
2160,000	450,257	0,000	0,000	0,000	-0.009687
2170,000	450,161	0,000	0,000	0,000	-0.009687
2180,000	450,064	0,000	0,000	0,000	-0.009687
2190,000	449,967	0,000	0,000	0,000	-0.009687
2200,000	449,870	0,000	0,000	0,000	-0.009687
2210,000	449,773	0,000	0,000	0,000	-0.009687
2220,000	449,676	0,000	0,000	0,000	-0.009687
2230,000	449,579	0,000	0,000	0,000	-0.009687
2240,000	449,483	0,000	0,000	0,000	-0.009687
2250,000	449,386	0,000	0,000	0,000	-0.009687
2260,000	449,289	0,000	0,000	0,000	-0.009687
2270,000	449,192	0,000	0,000	0,000	-0.009687
2280,000	449,095	0,000	0,000	0,000	-0.009687
2290,000	448,998	0,000	0,000	0,000	-0.009687
2300,000	448,901	0,000	0,000	0,000	-0.009687



P.K.	Cota	Kv	Tangente	Flecha	Pendiente
2310,000	448,804	0,000	0,000	0,000	-0.009687
2320,000	448,708	0,000	0,000	0,000	-0.009687
2330,000	448,611	0,000	0,000	0,000	-0.009687
2340,000	448,514	0,000	0,000	0,000	-0.009687
2350,000	448,417	0,000	0,000	0,000	-0.009687
2360,000	448,320	0,000	0,000	0,000	-0.009687
2370,000	448,223	0,000	0,000	0,000	-0.009687
2380,000	448,126	0,000	0,000	0,000	-0.009687
2390,000	448,029	0,000	0,000	0,000	-0.009687
2400,000	447,933	0,000	0,000	0,000	-0.009687
2410,000	447,836	0,000	0,000	0,000	-0.009687
2420,000	447,739	0,000	0,000	0,000	-0.009687
2430,000	447,642	0,000	0,000	0,000	-0.009687
2440,000	447,545	0,000	0,000	0,000	-0.009687
2450,000	447,448	0,000	0,000	0,000	-0.009687
2460,000	447,351	0,000	0,000	0,000	-0.009687
2470,000	447,254	0,000	0,000	0,000	-0.009687
2480,000	447,158	0,000	0,000	0,000	-0.009687
2490,000	447,061	0,000	0,000	0,000	-0.009687
2500,000	446,964	0,000	0,000	0,000	-0.009687
2507,677	446,890	0,000	0,000	0,000	

5.2.2 CALLE 5A

P.K.	Cota	Kv	Tangente	Flecha	Pendiente
20,000	451,105	0,000	0,000	0,000	-0.012572
30,000	450,979	629,110	21,757	0,376	0.002401
40,000	451,003	629,110	21,757	0,376	0.014453
45,164	451,078	629,110	21,757	0,376	0.022401
50,000	451,186	629,110	21,757	0,376	0.034192
60,000	451,528	629,110	21,757	0,376	0.049264
70,000	452,021	6461,418	139,381	1,503	0.051892
80,000	452,540	6461,418	139,381	1,503	0.050345
90,000	453,043	6461,418	139,381	1,503	0.048797
100,000	453,531	6461,418	139,381	1,503	0.047249
110,000	454,004	6461,418	139,381	1,503	0.045702
120,000	454,461	6461,418	139,381	1,503	0.044154
130,000	454,902	6461,418	139,381	1,503	0.042606
140,000	455,328	6461,418	139,381	1,503	0.041059
150,000	455,739	6461,418	139,381	1,503	0.039511
160,000	456,134	6461,418	139,381	1,503	0.037963
170,000	456,514	6461,418	139,381	1,503	0.036416
180,000	456,878	6461,418	139,381	1,503	0.034868
190,000	457,226	6461,418	139,381	1,503	0.033320
200,000	457,560	6461,418	139,381	1,503	0.032059
206,303	457,762	6461,418	139,381	1,503	0.031285
210,000	457,877	6461,418	139,381	1,503	0.030225
220,000	458,180	6461,418	139,381	1,503	0.028678
230,000	458,466	6461,418	139,381	1,503	0.027130
240,000	458,738	6461,418	139,381	1,503	0.025582
250,000	458,994	6461,418	139,381	1,503	0.024035
260,000	459,234	6461,418	139,381	1,503	0.022487
270,000	459,459	6461,418	139,381	1,503	0.020939
280,000	459,668	6461,418	139,381	1,503	0.019392
290,000	459,862	6461,418	139,381	1,503	0.017844
300,000	460,040	6461,418	139,381	1,503	0.016296
310,000	460,203	6461,418	139,381	1,503	0.014749
320,000	460,351	6461,418	139,381	1,503	0.013201
330,000	460,483	6461,418	139,381	1,503	0.011653
340,000	460,599	6461,418	139,381	1,503	0.010740
341,801	460,619	0,000	0,000	0,000	



5.2.3 CALLE 9A

P.K.	Cota	Kv	Tangente	Flecha	Pendiente
40,000	452,979	0,000	0,000	0,000	0.004864
50,000	453,028	0,000	0,000	0,000	0.004864
60,000	453,076	0,000	0,000	0,000	0.004864
70,000	453,125	0,000	0,000	0,000	0.004864
80,000	453,173	0,000	0,000	0,000	0.004864
90,000	453,222	0,000	0,000	0,000	0.004864
100,000	453,271	0,000	0,000	0,000	0.004864
110,000	453,319	0,000	0,000	0,000	0.004864
120,000	453,368	0,000	0,000	0,000	0.004864
130,000	453,417	0,000	0,000	0,000	0.004864
140,000	453,465	0,000	0,000	0,000	0.004864
150,000	453,514	0,000	0,000	0,000	0.004864
160,000	453,563	0,000	0,000	0,000	0.004864
170,000	453,611	0,000	0,000	0,000	0.004864
180,000	453,660	0,000	0,000	0,000	0.004864
190,000	453,709	0,000	0,000	0,000	0.004864
200,000	453,757	0,000	0,000	0,000	0.004864
210,000	453,806	0,000	0,000	0,000	0.004864
220,000	453,854	0,000	0,000	0,000	0.004864
230,000	453,903	0,000	0,000	0,000	0.004864
240,000	453,952	0,000	0,000	0,000	0.004864
250,000	454,000	0,000	0,000	0,000	0.004864
260,000	454,049	0,000	0,000	0,000	0.004864
270,000	454,098	0,000	0,000	0,000	0.004864
280,000	454,146	0,000	0,000	0,000	0.004864
290,000	454,195	0,000	0,000	0,000	0.004864
300,000	454,244	0,000	0,000	0,000	0.004864
310,000	454,292	0,000	0,000	0,000	0.004864
320,000	454,341	0,000	0,000	0,000	0.004864
330,000	454,390	0,000	0,000	0,000	0.004864
340,000	454,438	0,000	0,000	0,000	0.004864
350,000	454,487	0,000	0,000	0,000	0.004864
360,000	454,535	0,000	0,000	0,000	0.004864
370,000	454,584	0,000	0,000	0,000	0.004864
380,000	454,633	0,000	0,000	0,000	0.004864
390,000	454,681	0,000	0,000	0,000	0.004864
400,000	454,730	0,000	0,000	0,000	0.004864

P.K.	Cota	Kv	Tangente	Flecha	Pendiente
410,000	454,779	0,000	0,000	0,000	0.004864
420,000	454,827	0,000	0,000	0,000	0.004864
430,000	454,876	0,000	0,000	0,000	0.004864
440,000	454,925	0,000	0,000	0,000	0.004864
450,000	454,973	0,000	0,000	0,000	0.004864
460,000	455,022	0,000	0,000	0,000	0.004864
470,000	455,071	0,000	0,000	0,000	0.004864
476,255	455,101	0,000	0,000	0,000	



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5.2.4 CALLE 13A

P.K.	Cota	Kv	Tangente	Flecha	Pendiente
0,000	438,300	0,000	0,000	0,000	0.026951
10,000	438,570	0,000	0,000	0,000	0.026951
20,000	438,839	0,000	0,000	0,000	0.026951
30,000	439,109	0,000	0,000	0,000	0.026951
40,000	439,378	0,000	0,000	0,000	0.026951
50,000	439,648	0,000	0,000	0,000	0.026951
60,000	439,917	0,000	0,000	0,000	0.026951
70,000	440,187	0,000	0,000	0,000	0.026951
80,000	440,456	0,000	0,000	0,000	0.026951
90,000	440,726	0,000	0,000	0,000	0.026951
100,000	440,995	0,000	0,000	0,000	0.026951
110,000	441,265	0,000	0,000	0,000	0.026951
120,000	441,534	0,000	0,000	0,000	0.026951
130,000	441,804	0,000	0,000	0,000	0.026951
140,000	442,073	0,000	0,000	0,000	0.026951
150,000	442,343	0,000	0,000	0,000	0.026951
160,000	442,612	0,000	0,000	0,000	0.027629
170,000	442,888	4722,805	138,847	2,041	0.029704
180,000	443,185	4722,805	138,847	2,041	0.031821
190,000	443,504	4722,805	138,847	2,041	0.033939
200,000	443,843	4722,805	138,847	2,041	0.036056
210,000	444,204	4722,805	138,847	2,041	0.038173
220,000	444,585	4722,805	138,847	2,041	0.040291
230,000	444,988	4722,805	138,847	2,041	0.042408
240,000	445,412	4722,805	138,847	2,041	0.044525
250,000	445,858	4722,805	138,847	2,041	0.046643
260,000	446,324	4722,805	138,847	2,041	0.048760
270,000	446,812	4722,805	138,847	2,041	0.050878
280,000	447,320	4722,805	138,847	2,041	0.052995
290,000	447,850	4722,805	138,847	2,041	0.055112
300,000	448,401	4722,805	138,847	2,041	0.056261
300,845	448,449	4722,805	138,847	2,041	0.057319
310,000	448,974	4722,805	138,847	2,041	0.059347
320,000	449,567	4722,805	138,847	2,041	0.061465
330,000	450,182	4722,805	138,847	2,041	0.063582
340,000	450,818	4722,805	138,847	2,041	0.065699
350,000	451,475	4722,805	138,847	2,041	0.067817

P.K.	Cota	Kv	Tangente	Flecha	Pendiente
360,000	452,153	4722,805	138,847	2,041	0.069934
370,000	452,852	4722,805	138,847	2,041	0.072051
380,000	453,573	4722,805	138,847	2,041	0.074169
390,000	454,314	4722,805	138,847	2,041	0.076286
400,000	455,077	4722,805	138,847	2,041	0.078404
410,000	455,861	4722,805	138,847	2,041	0.080521
420,000	456,667	4722,805	138,847	2,041	0.082638
430,000	457,493	4722,805	138,847	2,041	0.084753
440,000	458,340	0,000	0,000	0,000	0.085749
450,000	459,198	0,000	0,000	0,000	0.085749
460,000	460,055	0,000	0,000	0,000	0.085749
470,000	460,913	0,000	0,000	0,000	0.085749
480,000	461,770	0,000	0,000	0,000	0.085749
490,000	462,628	0,000	0,000	0,000	0.085749
500,000	463,485	0,000	0,000	0,000	0.085749
510,000	464,343	0,000	0,000	0,000	0.085749
520,000	465,200	0,000	0,000	0,000	0.085749
530,000	466,058	0,000	0,000	0,000	0.085749
540,000	466,915	0,000	0,000	0,000	0.085749
550,000	467,773	0,000	0,000	0,000	0.085581
560,000	468,629	435,155	34,640	1,379	0.071481
570,000	469,343	435,155	34,640	1,379	0.048500
580,000	469,828	435,155	34,640	1,379	0.025520
590,000	470,084	435,155	34,640	1,379	0.010088
593,431	470,118	435,155	34,640	1,379	-0.001403
600,000	470,109	435,155	34,640	1,379	-0.020441
610,000	469,905	435,155	34,640	1,379	-0.043421
620,000	469,470	435,155	34,640	1,379	-0.065965
630,000	468,811	0,000	0,000	0,000	-0.073456
640,000	468,076	0,000	0,000	0,000	-0.073456
650,000	467,342	0,000	0,000	0,000	-0.073456
660,000	466,607	0,000	0,000	0,000	-0.073456
670,000	465,873	0,000	0,000	0,000	-0.073456
680,000	465,138	0,000	0,000	0,000	-0.073456
690,000	464,403	0,000	0,000	0,000	-0.073453
700,000	463,669	544,912	20,000	0,367	-0.063939
710,000	463,029	544,912	20,000	0,367	-0.045758
719,814	462,580	544,912	20,000	0,367	-0.036582
720,000	462,574	544,912	20,000	0,367	-0.027236
730,000	462,301	544,912	20,000	0,367	-0.008887



P.K.	Cota	Kv	Tangente	Flecha	Pendiente
740,000	462,212	0,000	0,000	0,000	-0.000050
750,000	462,212	0,000	0,000	0,000	-0.000050
760,000	462,211	0,000	0,000	0,000	-0.000050
770,000	462,211	0,000	0,000	0,000	-0.000050
780,000	462,210	0,000	0,000	0,000	-0.004673
790,000	462,164	1060,439	20,000	0,189	-0.014102
800,000	462,023	1060,439	20,000	0,189	-0.018864
800,098	462,021	1060,439	20,000	0,189	-0.023579
810,000	461,787	1060,439	20,000	0,189	-0.032963
820,000	461,458	1060,439	20,000	0,189	-0.037770
830,000	461,080	0,000	0,000	0,000	-0.037770
840,000	460,702	0,000	0,000	0,000	-0.037770
850,000	460,325	0,000	0,000	0,000	-0.037770
860,000	459,947	0,000	0,000	0,000	-0.037770
870,000	459,569	0,000	0,000	0,000	-0.037770
880,000	459,191	0,000	0,000	0,000	-0.037770
890,000	458,814	0,000	0,000	0,000	-0.037770
900,000	458,436	0,000	0,000	0,000	-0.037770
910,000	458,058	0,000	0,000	0,000	-0.037770
920,000	457,681	0,000	0,000	0,000	-0.037770
930,000	457,303	0,000	0,000	0,000	-0.037770
940,000	456,925	0,000	0,000	0,000	-0.037770
950,000	456,548	0,000	0,000	0,000	-0.037770
960,000	456,170	0,000	0,000	0,000	-0.037770
970,000	455,792	0,000	0,000	0,000	-0.037757
980,000	455,415	4583,092	51,104	0,285	-0.036438
990,000	455,050	4583,092	51,104	0,285	-0.034256
1000,000	454,708	4583,092	51,104	0,285	-0.032074
1010,000	454,387	4583,092	51,104	0,285	-0.029892
1020,000	454,088	4583,092	51,104	0,285	-0.027710
1030,000	453,811	4583,092	51,104	0,285	-0.025529
1040,000	453,556	4583,092	51,104	0,285	-0.023347
1050,000	453,322	4583,092	51,104	0,285	-0.021165
1060,000	453,110	4583,092	51,104	0,285	-0.018983
1070,000	452,921	4583,092	51,104	0,285	-0.016801
1080,000	452,753	4583,092	51,104	0,285	-0.015483
1090,000	452,598	0,000	0,000	0,000	-0.015469
1100,000	452,443	0,000	0,000	0,000	-0.015469
1110,000	452,288	0,000	0,000	0,000	-0.015469
1120,000	452,134	0,000	0,000	0,000	-0.015469

P.K.	Cota	Kv	Tangente	Flecha	Pendiente
1130,000	451,979	0,000	0,000	0,000	-0.015469
1140,000	451,824	0,000	0,000	0,000	-0.015469
1150,000	451,670	0,000	0,000	0,000	-0.015469
1160,000	451,515	0,000	0,000	0,000	-0.015469
1170,000	451,360	0,000	0,000	0,000	-0.015469
1180,000	451,206	0,000	0,000	0,000	-0.015469
1190,000	451,051	0,000	0,000	0,000	-0.015469
1200,000	450,896	0,000	0,000	0,000	-0.015469
1210,000	450,742	0,000	0,000	0,000	-0.015469
1220,000	450,587	0,000	0,000	0,000	-0.015469
1230,000	450,432	0,000	0,000	0,000	-0.015469
1240,000	450,277	0,000	0,000	0,000	-0.015469
1250,000	450,123	0,000	0,000	0,000	-0.015469
1260,000	449,968	0,000	0,000	0,000	-0.015469
1270,000	449,813	0,000	0,000	0,000	-0.015469
1280,000	449,659	0,000	0,000	0,000	-0.008157
1289,095	449,585	422,903	7,500	0,067	0.003335
1290,000	449,588	422,903	7,500	0,067	0.012203
1296,595	449,668	0,000	0,000	0,000	



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5.2.5 CALLE HN2

P.K.	Cota	Kv	Tangente	Flecha	Pendiente
0,000	449,860	0,000	0,000	0,000	-0.000091
10,000	449,859	0,000	0,000	0,000	-0.000091
20,000	449,858	0,000	0,000	0,000	-0.000091
30,000	449,857	0,000	0,000	0,000	-0.000091
40,000	449,856	0,000	0,000	0,000	-0.000091
43,750	449,856	0,000	0,000	0,000	-0.018506
50,000	449,740	2092,354	26,250	0,165	-0.014623
60,000	449,594	2092,354	26,250	0,165	-0.009844
70,000	449,496	2092,354	26,250	0,165	-0.005065
80,000	449,445	2092,354	26,250	0,165	-0.000285
90,000	449,442	2092,354	26,250	0,165	0.004158
100,000	449,484	0,000	0,000	0,000	0.005091
110,000	449,535	0,000	0,000	0,000	0.005091
120,000	449,586	0,000	0,000	0,000	0.005091
130,000	449,636	0,000	0,000	0,000	0.005091
140,000	449,687	0,000	0,000	0,000	0.005091
150,000	449,738	0,000	0,000	0,000	0.005091
160,000	449,789	0,000	0,000	0,000	0.005091
170,000	449,840	0,000	0,000	0,000	0.005091
180,000	449,891	0,000	0,000	0,000	0.005091
190,000	449,942	0,000	0,000	0,000	0.005091
200,000	449,993	0,000	0,000	0,000	0.005091
210,000	450,044	0,000	0,000	0,000	0.005091
220,000	450,095	0,000	0,000	0,000	0.005091
230,000	450,146	0,000	0,000	0,000	0.005091
240,000	450,197	0,000	0,000	0,000	0.005091
250,000	450,247	0,000	0,000	0,000	0.005091
260,000	450,298	0,000	0,000	0,000	0.005091
270,000	450,349	0,000	0,000	0,000	0.005091
280,000	450,400	0,000	0,000	0,000	0.005091
290,000	450,451	0,000	0,000	0,000	0.005091
300,000	450,502	0,000	0,000	0,000	0.005091
310,000	450,553	0,000	0,000	0,000	0.005091
320,000	450,604	0,000	0,000	0,000	0.005091
330,000	450,655	0,000	0,000	0,000	0.005091
340,000	450,706	0,000	0,000	0,000	0.005091
350,000	450,757	0,000	0,000	0,000	0.005091

P.K.	Cota	Kv	Tangente	Flecha	Pendiente
360,000	450,807	0,000	0,000	0,000	0.005091
370,000	450,858	0,000	0,000	0,000	0.005091
380,000	450,909	0,000	0,000	0,000	0.005091
390,000	450,960	0,000	0,000	0,000	0.005091
400,000	451,011	0,000	0,000	0,000	0.005091
410,000	451,062	0,000	0,000	0,000	0.005091
420,000	451,113	0,000	0,000	0,000	0.005091
430,000	451,164	0,000	0,000	0,000	0.005091
440,000	451,215	0,000	0,000	0,000	0.005091
450,000	451,266	0,000	0,000	0,000	0.005091
460,000	451,317	0,000	0,000	0,000	0.005091
470,000	451,368	0,000	0,000	0,000	0.005091
480,000	451,418	0,000	0,000	0,000	0.005091
490,000	451,469	0,000	0,000	0,000	0.005091
500,000	451,520	0,000	0,000	0,000	0.005091
510,000	451,571	0,000	0,000	0,000	0.005091
520,000	451,622	0,000	0,000	0,000	0.005091
530,000	451,673	0,000	0,000	0,000	0.005091
540,000	451,724	0,000	0,000	0,000	0.005091
550,000	451,775	0,000	0,000	0,000	0.005091
560,000	451,826	0,000	0,000	0,000	0.005091
570,000	451,877	0,000	0,000	0,000	0.005091
580,000	451,928	0,000	0,000	0,000	0.005091
590,000	451,979	0,000	0,000	0,000	0.005091
600,000	452,029	0,000	0,000	0,000	0.005091
610,000	452,080	0,000	0,000	0,000	0.005091
620,000	452,131	0,000	0,000	0,000	0.005091
630,000	452,182	0,000	0,000	0,000	0.005091
640,000	452,233	0,000	0,000	0,000	0.005091
650,000	452,284	0,000	0,000	0,000	0.005091
660,000	452,335	0,000	0,000	0,000	0.005091
670,000	452,386	0,000	0,000	0,000	0.005091
680,000	452,437	0,000	0,000	0,000	0.005091
690,000	452,488	0,000	0,000	0,000	0.005091
700,000	452,539	0,000	0,000	0,000	0.005091
710,000	452,589	0,000	0,000	0,000	0.005091
720,000	452,640	0,000	0,000	0,000	0.005091
730,000	452,691	0,000	0,000	0,000	0.005091
740,000	452,742	0,000	0,000	0,000	0.005091
750,000	452,793	0,000	0,000	0,000	0.005091



P.K.	Cota	Kv	Tangente	Flecha	Pendiente
760,000	452,844	0,000	0,000	0,000	0.005091
770,000	452,895	0,000	0,000	0,000	0.005091
780,000	452,946	0,000	0,000	0,000	0.005091
790,000	452,997	0,000	0,000	0,000	0.005091
800,000	453,048	0,000	0,000	0,000	0.005091
810,000	453,099	0,000	0,000	0,000	0.005091
820,000	453,150	0,000	0,000	0,000	0.005091
830,000	453,200	0,000	0,000	0,000	0.005091
840,000	453,251	0,000	0,000	0,000	0.005091
850,000	453,302	0,000	0,000	0,000	0.005091
860,000	453,353	0,000	0,000	0,000	0.005091
870,000	453,404	0,000	0,000	0,000	0.005091
880,000	453,455	0,000	0,000	0,000	0.005707
890,000	453,512	6834,142	135,878	1,351	0.007165
900,000	453,584	6834,142	135,878	1,351	0.008629
910,000	453,670	6834,142	135,878	1,351	0.010092
920,000	453,771	6834,142	135,878	1,351	0.011555
930,000	453,886	6834,142	135,878	1,351	0.013018
940,000	454,017	6834,142	135,878	1,351	0.014482
950,000	454,161	6834,142	135,878	1,351	0.015945
960,000	454,321	6834,142	135,878	1,351	0.017408
970,000	454,495	6834,142	135,878	1,351	0.018871
980,000	454,684	6834,142	135,878	1,351	0.020335
990,000	454,887	6834,142	135,878	1,351	0.021798
1000,000	455,105	6834,142	135,878	1,351	0.023261
1010,000	455,338	6834,142	135,878	1,351	0.024483
1016,703	455,502	6834,142	135,878	1,351	0.025215
1020,000	455,585	6834,142	135,878	1,351	0.026188
1030,000	455,847	6834,142	135,878	1,351	0.027651
1040,000	456,123	6834,142	135,878	1,351	0.029114
1050,000	456,414	6834,142	135,878	1,351	0.030577
1060,000	456,720	6834,142	135,878	1,351	0.032041
1070,000	457,041	6834,142	135,878	1,351	0.033504
1080,000	457,376	6834,142	135,878	1,351	0.034967
1090,000	457,725	6834,142	135,878	1,351	0.036430
1100,000	458,090	6834,142	135,878	1,351	0.037894
1110,000	458,469	6834,142	135,878	1,351	0.039357
1120,000	458,862	6834,142	135,878	1,351	0.040820
1130,000	459,270	6834,142	135,878	1,351	0.042283
1140,000	459,693	6834,142	135,878	1,351	0.043747

P.K.	Cota	Kv	Tangente	Flecha	Pendiente
1150,000	460,131	6834,142	135,878	1,351	0.044578
1160,000	460,576	12070,658	132,449	0,727	0.043827
1170,000	461,015	12070,658	132,449	0,727	0.042998
1180,000	461,445	12070,658	132,449	0,727	0.042170
1190,000	461,866	12070,658	132,449	0,727	0.041341
1200,000	462,280	12070,658	132,449	0,727	0.040513
1210,000	462,685	12070,658	132,449	0,727	0.039685
1220,000	463,082	12070,658	132,449	0,727	0.038856
1230,000	463,470	12070,658	132,449	0,727	0.038028
1240,000	463,851	12070,658	132,449	0,727	0.037199
1250,000	464,223	12070,658	132,449	0,727	0.036371
1260,000	464,586	12070,658	132,449	0,727	0.035542
1270,000	464,942	12070,658	132,449	0,727	0.034714
1280,000	465,289	12070,658	132,449	0,727	0.034091
1285,030	465,460	12070,658	132,449	0,727	0.033677
1290,000	465,628	12070,658	132,449	0,727	0.033057
1300,000	465,958	12070,658	132,449	0,727	0.032228
1310,000	466,281	12070,658	132,449	0,727	0.031400
1320,000	466,595	12070,658	132,449	0,727	0.030572
1330,000	466,900	12070,658	132,449	0,727	0.029743
1340,000	467,198	12070,658	132,449	0,727	0.028915
1350,000	467,487	12070,658	132,449	0,727	0.028086
1360,000	467,768	12070,658	132,449	0,727	0.027258
1370,000	468,040	12070,658	132,449	0,727	0.026429
1380,000	468,305	12070,658	132,449	0,727	0.025601
1390,000	468,561	12070,658	132,449	0,727	0.024772
1400,000	468,808	12070,658	132,449	0,727	0.023944
1410,000	469,048	12070,658	132,449	0,727	0.022567
1420,000	469,273	553,344	27,088	0,663	0.009318
1430,000	469,367	553,344	27,088	0,663	-0.008754
1440,000	469,279	553,344	27,088	0,663	-0.021916
1444,567	469,179	553,344	27,088	0,663	-0.030952
1450,000	469,011	553,344	27,088	0,663	-0.044898
1460,000	468,562	553,344	27,088	0,663	-0.062970
1470,000	467,932	553,344	27,088	0,663	-0.074745
1480,000	467,185	0,000	0,000	0,000	-0.074995
1490,000	466,435	0,000	0,000	0,000	-0.074995
1500,000	465,685	0,000	0,000	0,000	-0.074995
1510,000	464,935	0,000	0,000	0,000	-0.074995
1520,000	464,185	0,000	0,000	0,000	-0.071824



P.K.	Cota	Kv	Tangente	Flecha	Pendiente
1530,000	463,467	494,221	18,532	0,347	-0.053550
1540,000	462,931	494,221	18,532	0,347	-0.040465
1542,933	462,812	494,221	18,532	0,347	-0.030348
1550,000	462,598	494,221	18,532	0,347	-0.013082
1560,000	462,467	494,221	18,532	0,347	-0.000216
1570,000	462,465	0,000	0,000	0,000	0.000000
1580,000	462,465	0,000	0,000	0,000	0.000000
1590,000	462,465	0,000	0,000	0,000	0.000000
1593,919	462,465	0,000	0,000	0,000	-0.334293
1600,000	460,432	0,000	0,000	0,000	-0.334293
1601,131	460,054	0,000	0,000	0,000	



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FIRMANTE - FECHA
CARMEN MARIA CAÑADAS BARON-SECRETARIA ACCTAL. - 03/07/2023 serialNumber=S2833002E,CN=Sello de tiempo TS@ - @firma,OU=Secretaría General de Administración Digital,O=Secretaría de Estado de Función Pública,C=ES - 03/07/2023 13:39:29
APROBACION DEFINITIVA POR JUNTA GOBIERNO LOCAL, EN SESION EXTRAORDINARIA Y URGENTE, DE FECHA 02 DE JUNIO DE 2023

