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1 INTRODUCCIÓN

El presente estudio tiene por objeto la realización del Proyecto de trazado e impacto ambiental, Conexión C.G.1.5 en Sampaio-Portobravo (Noia – A Coruña).

Los trabajos realizados para obtener la cartografía a emplear en el presente proyecto consisten en el levantamiento taquimétrico y la representación a escala 1:1000 del tramo en que se realiza la actuación.

En el levantamiento se tratará de representar de la forma más fidedigna posible tanto la planimetría como la altimetría de la zona. En cuanto a la planimetría se tendrá en cuenta todo lo referente a elementos naturales y artificiales existentes en la zona que nos ayude a definir la forma del terreno.

La metodología seguida ha sido la siguiente:

Implantación de la Red Principal.

Levantamiento Taquimétrico de la carretera por medio de Topografía Clásica, para lo cual se ha estacionado en una serie de bases materializadas en campo y desde ellas, por radiación directa, se han medido todos los puntos necesarios para la confección de la cartografía de la zona. Además se han realizado levantamientos taquimétricos de detalle en las intersecciones situadas en los PKs:

Cálculo e informatización. Curvado de la nube de puntos con MDT v 4.0.

2 SISTEMAS DE COORDENADAS

Se ha procedido al levantamiento taquimétrico en Sistema de Coordenadas U.T.M, con una proyección plana, dentro del HUSO 29 y referidas al elipsoide Datum ED 50.

El Real Decreto 1071/2007 establece como sistema de referencia geodésico oficial en España (península ibérica y Baleares) el ETRS89 (European Terrestrial Referente System 1989), en sustitución del ED 50. Según su disposición transitoria segunda, se puede seguir generando cartografía en el sistema ED50 hasta el 2015.

Mediante la Red de Bases Galnet, se colocan las bases y a partir de ellas se realiza el levantamiento topográfico clásico haciendo uso de Estación Total Sokkia 3030R3 de precisión subcentimétrica y de GPS Trimble R6.

La fórmula aplicada para el cálculo de las distancias tomadas con estación ha sido:

$$D = \sqrt{\left[\frac{Dg^2 - \Delta Z^2}{\left(1 + \frac{Z1}{R}\right) \cdot \left(1 + \frac{Z2}{R}\right)} \right]}$$

Dg = Distancia geométrica

AZ = Incremento de cotas de las estaciones

Z1 = Cota de la primera estación

Z2 = Cota de la segunda estación

R = Radio de la tierra considerado en 6.370 km.

El cálculo del coeficiente de anamorfosis, K, se realizó puntualmente, tomando como coordenadas las de la estación.

La distancia final corresponde al producto D x K.

El método seguido para correlacionar las bases de estacionamiento entre sí y para la labor de campo ha sido el de bisección. La toma de puntos taquimétricos se ha realizado por el método de radiación a partir de las bases.

3 BASE CARTOGRÁFICA.

Para la representación gráfica de las actuaciones objeto del proyecto, se ha trabajado con la cartografía básica a escala 1:5.000, confeccionada a partir del vuelo fotogramétrico del año 1999, realizado a escala 1:18.000, facilitada por la Subdirección Xeral de Estradas de la Xunta de Galicia.

Por otra parte se han utilizado fotografías aéreas georeferenciadas, obtenidas de la página web del Instituto Geográfico Nacional (www.ign.es).

4 COLOCACIÓN DE BASES

Las bases se materializan en el terreno mediante clavo de acero o geopuntos sobre asfalto, identificándolas mediante triángulo de pintura de color rojo y su nº de base.

Se adjuntan reseñas de las bases.

5 LEVANTAMIENTO TOPOGRÁFICO

La realización del levantamiento topográfico de detalle por medio de topografía clásica, se llevó a cabo desde las bases implantadas, tomando por radiación distanciométrica todos los puntos que permiten definir una perfecta configuración del terreno tanto planimétrica como altimétricamente.

Los puntos se tomaron con una densidad suficiente que permita definir detalladamente cada una de las actuaciones proyectadas en el presente proyecto. El curvado del terreno se ha realizado mediante el programa informático MDT v4.0.

En el apéndice nº 1 se adjuntan listados de bases, listados de puntos y planos del levantamiento topográfico. En el apéndice nº 2 se adjuntan las reseñas de las bases implantadas en la zona.

6 MEDIOS EMPLEADOS

A la hora de realizar las labores de topografía han sido necesarios los siguientes aparatos:

Citroen Berlingo.

GPS Trimble R6.

Estación Total Sokkia 3030R3.

Portátil Dell Intel Corel Duo.

Materiales fungibles varios.

7 DOCUMENTACIÓN ADJUNTA.

APÉNDICE Nº 1: LEVANTAMIENTOS TOPOGRÁFICOS

APÉNDICE Nº 2: RESEÑAS DE BASES

APÉNDICE Nº 1: LEVANTAMIENTO TOPOGRÁFICO.

CODIGOS

CÓDIGO	DESCRIPCIÓN
H	HORMIGÓN
CT - CPT - C	CABEZA TALUD
PT	PIE TALUD
A	ASFALTO
BA	BORDE ASFALTO
AC	ACERA
LB	LÍNEA BLANCA
ILB	INICIO LINEA BLANCA
FLB	FINAL LINEA BLANCA
LA	LÍNEA AMARILLA
ROT	ROTURA
CU	CUNETA
ENT	ENTRADA
CAM	CAMINO
MU	MURO
MU-C	CABEZA MURO
MU-P	PIE MURO
MU-L	LINEA DE MURO
MU-E	ESQUINA DE MURO
CIE	CIERRE
R	PUNTO DE RELLENO
V	VALLA
REG	REGATO
RIE	RIEGO
REJ	REJILLA
ODT	OBRA DE DRENAJE TRANSVERSAL
ODL	OBRA DE DRENAJE LONGITUDINAL
A-SAN	ARQUETA SANEAMIENTO
A-PLU	ARQUETA PLUVIALES
A-ABA	ARQUETA ABASTECIMIENTO
A-TEL	ARQUETA TELEFONO
A-ELE	ARQUETA ELECTRICIDAD
A-GAS	ARQUETA GAS
A-DES	ARQUETA DESCONOCIDO
AR-REG	ARMARIO DE REGISTRO
A-FEN	ARQUETA FENOSA
A-R	ARQUETA R
A-TEL	ARQUETA TELEFÓNICA
A-DGT	ARQUETA DGT
FAR	FAROLA
P-TEL	POSTE TELÉFONO
P-ELE	POSTE ELECTRICIDAD
PM	POSTE DE MADERA
PH	POSTE HORMIGÓN
SV	SEÑAL VERTICAL

LISTADO DE BASES ED50:

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
1	510.963.618	4.737.121.857	25.727	B-1
2	510.915.182	4.737.076.111	22.927	B-2
3	510.890.419	4.737.230.768	26.157	B-3
5	511.305.069	4.737.941.737	75.464	B-5
4	510.807.232	4.737.358.451	34.795	B-4
6	511.413.766	4.737.985.084	72.880	B-6

LISTADO DE BASES ETRS89:

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
1	510.838.487	4.736.906.928	25.727	B-1
2	510.790.051	4.736.861.182	22.927	B-2
3	510.765.288	4.737.015.839	26.157	B-3
4	510.682.101	4.737.143.522	34.795	B-4
5	511.179.938	4.737.726.808	75.464	B-5
6	511.288.635	4.737.770.155	72.880	B-6

LISTADO DE PUNTOS DE CURVADO:

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
10000	511.395.463	4.738.217.986	101.162	ENT
10001	511.394.522	4.738.212.821	101.574	ENT
10002	511.390.463	4.738.211.477	101.675	ENT
10003	511.387.934	4.738.214.831	101.291	ENT
10004	511.387.564	4.738.215.075	101.313	BA
10005	511.395.740	4.738.218.399	101.158	BA
10006	511.410.661	4.738.221.910	100.343	TUBO400
10007	511.410.103	4.738.220.469	101.371	MU
10008	511.394.673	4.738.212.846	101.614	MU
10009	511.390.720	4.738.211.384	101.685	MU
10010	511.383.151	4.738.211.238	101.077	TUBO400
10011	511.373.852	4.738.205.419	101.999	MU
10012	511.361.076	4.738.202.168	102.620	MU
10013	511.329.575	4.738.200.616	102.235	PT
10014	511.329.467	4.738.200.995	102.222	PT
10015	511.329.319	4.738.201.749	102.567	BA
10016	511.329.232	4.738.203.124	102.491	LB
10017	511.328.888	4.738.206.674	102.269	LB
10018	511.328.801	4.738.210.386	101.978	LB
10019	511.328.755	4.738.211.563	101.882	BA
10020	511.328.599	4.738.213.162	101.464	PT
10021	511.328.645	4.738.212.830	101.471	PT
10022	511.343.286	4.738.214.532	101.105	PT

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
10023	511.343.389	4.738.214.089	101.123	PT
10024	511.343.587	4.738.213.136	101.542	BA
10025	511.343.693	4.738.211.917	101.660	LB
10026	511.344.156	4.738.208.380	101.925	LB
10027	511.344.838	4.738.204.830	102.156	LB
10028	511.344.822	4.738.203.437	102.242	BA
10029	511.344.972	4.738.202.438	101.839	PT
10030	511.345.019	4.738.202.079	101.822	PT
10031	511.357.039	4.738.204.084	101.694	PT
10032	511.357.064	4.738.204.464	101.670	PT
10033	511.356.773	4.738.205.594	101.985	BA
10034	511.356.552	4.738.207.011	101.910	LB
10035	511.356.016	4.738.210.554	101.689	LB
10036	511.355.213	4.738.214.094	101.457	LB
10037	511.354.989	4.738.215.206	101.353	BA
10038	511.355.048	4.738.216.491	100.864	PT
10039	511.355.019	4.738.216.704	100.857	PT
10040	511.354.695	4.738.218.205	101.261	CT
10041	511.368.914	4.738.222.264	101.063	CT
10042	511.369.249	4.738.220.530	100.544	PT
10043	511.369.339	4.738.220.254	100.556	PT
10044	511.369.758	4.738.219.057	101.062	BA
10045	511.370.010	4.738.217.973	101.145	LB
10046	511.370.919	4.738.214.484	101.379	LB
10047	511.372.124	4.738.211.068	101.582	LB
10048	511.372.331	4.738.209.839	101.651	BA
10049	511.372.754	4.738.208.578	101.550	CT
10050	511.372.919	4.738.207.693	101.211	PT
10051	511.373.036	4.738.207.366	101.192	PT
10052	511.373.215	4.738.206.147	101.868	CT
10053	511.361.211	4.738.204.939	101.589	PT
10054	511.361.028	4.738.205.091	101.585	PT
10055	511.360.655	4.738.203.433	102.493	CT
10056	511.382.576	4.738.213.323	101.493	BA
10057	511.383.071	4.738.211.653	101.490	CT
10058	511.383.393	4.738.210.702	101.471	CT
10059	511.383.461	4.738.210.186	101.495	CT
10060	511.383.140	4.738.210.881	101.004	PT
10061	511.383.096	4.738.211.149	101.021	PT
10062	511.382.764	4.738.211.848	101.452	CT
10063	511.381.814	4.738.214.392	101.412	LB
10064	511.380.607	4.738.217.772	101.193	LB
10065	511.379.443	4.738.221.149	100.950	LB
10066	511.379.039	4.738.222.252	100.911	BA
10067	511.378.618	4.738.223.113	100.474	PT
10068	511.378.390	4.738.223.623	100.321	PT
10069	511.378.331	4.738.224.197	100.658	CT
10070	511.392.049	4.738.227.280	100.721	BA
10071	511.391.664	4.738.228.108	99.974	PT
10072	511.391.583	4.738.228.548	100.181	PT

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
10073	511.392.501	4.738.226.243	100.776	LB
10074	511.393.749	4.738.222.982	100.897	LB
10075	511.395.093	4.738.219.636	101.086	LB
10076	511.394.984	4.738.219.258	101.124	FLB
10077	511.401.416	4.738.222.082	101.016	LB
10078	511.401.309	4.738.222.354	101.006	LB
10079	511.404.809	4.738.224.029	100.900	LB
10080	511.405.072	4.738.223.583	100.930	LB
10081	511.407.595	4.738.224.101	100.902	LB
10082	511.410.712	4.738.224.162	100.808	LB
10083	511.413.408	4.738.223.854	100.676	LB
10084	511.415.607	4.738.223.355	100.476	LB
10085	511.417.315	4.738.222.480	100.246	LB
10086	511.418.882	4.738.221.014	99.970	LB
10087	511.419.619	4.738.219.757	99.791	LB
10088	511.420.289	4.738.217.767	99.529	LB
10089	511.420.474	4.738.215.696	99.267	LB
10090	511.420.171	4.738.213.147	98.973	LB
10091	511.419.448	4.738.210.447	98.715	LB
10092	511.418.801	4.738.208.312	98.403	LB
10093	511.418.292	4.738.206.578	98.195	LB
10094	511.417.910	4.738.207.339	97.499	TUBO600
10095	511.418.301	4.738.207.260	98.261	OF
10096	511.417.974	4.738.206.678	98.109	OF
10097	511.417.749	4.738.207.655	98.297	OF
10098	511.417.433	4.738.207.843	98.063	CU
10099	511.417.713	4.738.207.648	98.287	CU
10100	511.418.840	4.738.210.183	98.491	CU
10101	511.418.280	4.738.210.314	98.258	CU
10102	511.418.118	4.738.206.666	98.185	BA
10103	511.418.404	4.738.207.521	98.275	BA
10104	511.418.881	4.738.209.097	98.499	BA
10105	511.419.389	4.738.211.186	98.701	BA
10106	511.419.787	4.738.213.013	98.915	BA
10107	511.419.264	4.738.213.274	98.653	PT
10108	511.419.052	4.738.213.367	98.688	PT
10109	511.419.320	4.738.216.066	99.102	PT
10110	511.419.553	4.738.216.203	99.102	PT
10111	511.420.072	4.738.216.249	99.311	BA
10112	511.419.485	4.738.218.979	99.695	BA
10113	511.418.841	4.738.218.694	99.519	PT
10114	511.418.649	4.738.218.683	99.497	PT
10115	511.417.252	4.738.220.542	99.738	PT
10116	511.417.334	4.738.220.647	99.777	PT
10117	511.417.798	4.738.221.305	100.061	BA
10118	511.415.743	4.738.222.347	100.372	BA
10119	511.415.498	4.738.221.678	100.049	PT
10120	511.415.393	4.738.221.509	100.065	PT
10121	511.411.297	4.738.222.278	100.340	PT
10122	511.411.387	4.738.221.726	100.329	PT

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
10123	511.411.224	4.738.222.963	100.767	BA
10124	511.410.394	4.738.222.576	100.837	BA
10125	511.410.196	4.738.221.267	100.960	BA
10126	511.407.401	4.738.220.322	101.061	BA
10127	511.404.498	4.738.219.099	101.120	BA
10128	511.397.911	4.738.215.689	101.326	BA
10129	511.395.198	4.738.214.459	101.414	BA
10130	511.394.785	4.738.214.339	101.501	ENT
10131	511.410.951	4.738.221.051	101.009	CT
10132	511.411.188	4.738.220.476	101.098	MU
10133	511.414.078	4.738.220.598	101.048	MU
10134	511.414.091	4.738.221.086	101.008	CT
10135	511.416.362	4.738.220.274	100.641	CT
10136	511.416.149	4.738.219.909	100.720	MU
10137	511.417.544	4.738.218.175	100.535	MU
10138	511.417.903	4.738.216.852	100.205	MU
10139	511.418.609	4.738.217.094	100.054	CT
10140	511.418.153	4.738.218.275	100.323	CT
10141	511.418.446	4.738.214.234	99.905	CT
10142	511.417.712	4.738.214.520	100.248	MU
10143	511.416.073	4.738.210.506	99.818	MU
10144	511.417.511	4.738.210.138	99.234	CT
10145	511.420.987	4.738.205.925	98.264	LB
10146	511.423.834	4.738.204.943	98.043	LB
10147	511.424.295	4.738.204.808	98.001	BA
10148	511.422.219	4.738.210.209	98.707	LB
10149	511.425.029	4.738.209.296	98.616	LB
10150	511.425.596	4.738.209.159	98.588	BA
10151	511.427.251	4.738.216.385	99.497	BA
10152	511.426.871	4.738.216.246	99.468	LB
10153	511.423.821	4.738.217.106	99.511	LB
10154	511.427.684	4.738.216.531	99.419	CAM
10155	511.429.340	4.738.218.305	98.984	CAM
10156	511.430.215	4.738.217.681	98.837	CAM
10157	511.428.135	4.738.215.403	99.221	CAM
10158	511.427.596	4.738.215.129	99.373	BA
10159	511.424.498	4.738.221.549	99.977	LB
10160	511.424.341	4.738.221.573	99.982	LB
10161	511.424.223	4.738.223.202	100.111	LB
10162	511.424.707	4.738.223.210	100.116	LB
10163	511.424.923	4.738.225.130	100.246	LB
10164	511.423.974	4.738.225.021	100.253	LB
10165	511.423.582	4.738.226.921	100.388	LB
10166	511.424.976	4.738.227.265	100.368	LB
10167	511.424.952	4.738.228.696	100.444	LB
10168	511.423.315	4.738.228.024	100.464	LB
10169	511.423.063	4.738.229.267	100.533	LB
10170	511.423.083	4.738.230.347	100.582	LB
10171	511.423.339	4.738.231.475	100.586	LB
10172	511.423.927	4.738.230.829	100.549	LB

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
10173	511.424.570	4.738.229.845	100.511	LB
10174	511.424.920	4.738.228.970	100.453	LB
10175	511.427.893	4.738.219.992	99.868	LB
10176	511.428.210	4.738.220.007	99.872	BA
10177	511.429.556	4.738.223.365	100.144	BA
10178	511.429.020	4.738.223.634	100.156	LB
10179	511.430.175	4.738.226.915	100.313	LB
10180	511.430.866	4.738.226.647	100.312	BA
10181	511.431.947	4.738.231.116	100.389	LB
10182	511.432.792	4.738.230.857	100.383	BA
10183	511.434.761	4.738.234.845	100.334	BA
10184	511.434.030	4.738.235.196	100.355	LB
10185	511.435.888	4.738.238.153	100.257	LB
10186	511.436.709	4.738.237.716	100.255	BA
10187	511.439.133	4.738.240.477	100.132	BA
10188	511.438.448	4.738.241.076	100.132	LB
10189	511.441.113	4.738.243.265	100.049	LB
10190	511.441.711	4.738.242.551	100.043	BA
10191	511.444.783	4.738.244.728	100.006	BA
10192	511.444.082	4.738.245.231	99.983	LB
10193	511.443.898	4.738.245.566	99.962	LB
10194	511.450.711	4.738.249.905	99.806	LB
10195	511.450.876	4.738.249.581	99.809	FLB
10196	511.451.203	4.738.248.945	99.853	BA
10197	511.442.517	4.738.244.672	100.008	LB
10198	511.440.869	4.738.247.916	99.844	LB
10199	511.439.190	4.738.251.018	99.772	LB
10200	511.447.067	4.738.256.090	99.492	LB
10201	511.446.312	4.738.257.143	99.469	BA
10202	511.448.879	4.738.252.971	99.655	LB
10203	511.442.455	4.738.254.752	99.531	BA
10204	511.441.989	4.738.254.918	99.603	BA
10205	511.440.581	4.738.256.310	99.597	BA
10206	511.439.673	4.738.257.704	99.763	BA
10207	511.440.050	4.738.253.369	99.637	ROT
10208	511.435.186	4.738.250.626	99.764	ROT
10209	511.435.802	4.738.249.046	99.833	LB
10210	511.437.580	4.738.245.873	99.970	LB
10211	511.439.169	4.738.242.651	100.080	LB
10212	511.430.255	4.738.237.420	100.356	LB
10213	511.426.681	4.738.243.625	100.025	LB
10214	511.428.557	4.738.240.552	100.207	LB
10215	511.415.882	4.738.237.589	100.241	LB
10216	511.417.386	4.738.234.316	100.481	LB
10217	511.419.009	4.738.231.154	100.595	LB
10218	511.408.398	4.738.225.728	100.822	LB
10219	511.406.478	4.738.228.704	100.685	LB
10220	511.404.696	4.738.231.801	100.490	LB
10221	511.404.077	4.738.232.914	100.292	BA
10222	511.403.632	4.738.234.101	99.876	PT

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
10223	511.403.273	4.738.234.535	100.009	PT
10224	511.414.658	4.738.238.302	100.148	BA
10225	511.414.561	4.738.241.891	99.716	PT
10226	511.414.323	4.738.242.222	99.783	PT
10227	511.418.697	4.738.245.906	99.527	PT
10228	511.418.942	4.738.245.710	99.400	PT
10229	511.421.522	4.738.242.114	99.911	BA
10230	511.423.464	4.738.243.284	99.879	BA
10231	511.425.175	4.738.245.431	99.749	BA
10232	511.426.716	4.738.245.216	99.881	ROT
10233	511.431.212	4.738.248.179	99.883	ROT
10234	511.429.664	4.738.250.772	99.741	BA
10235	511.427.378	4.738.252.074	99.470	PT
10236	511.427.175	4.738.252.369	99.449	PT
10237	511.429.172	4.738.253.285	99.732	CU
10238	511.428.998	4.738.253.980	99.492	CU
10239	511.431.421	4.738.255.706	99.875	CU
10240	511.431.925	4.738.257.148	100.062	CU
10241	511.430.696	4.738.255.526	99.563	CU
10242	511.430.365	4.738.255.683	99.636	CU
10243	511.431.033	4.738.256.232	99.425	CU
10244	511.431.426	4.738.256.123	98.783	TUBO600
10245	511.431.864	4.738.257.752	99.182	TUBO600
10246	511.431.871	4.738.258.442	99.449	TUBO600
10247	511.432.028	4.738.259.504	99.597	TUBO600
10248	511.432.313	4.738.257.353	100.152	ARQ
10249	511.432.677	4.738.258.381	100.267	ARQ
10250	511.431.375	4.738.258.730	99.993	ARQ
10251	511.432.127	4.738.257.583	100.270	ARQ
10252	511.432.304	4.738.258.341	100.240	ARQ
10253	511.431.603	4.738.258.539	100.214	ARQ
10254	511.432.474	4.738.259.430	100.182	CU
10255	511.432.156	4.738.259.544	99.799	CU
10256	511.431.825	4.738.259.669	99.616	CU
10257	511.432.424	4.738.255.997	99.973	BA
10258	511.433.371	4.738.258.512	100.312	BA
10259	511.439.035	4.738.261.433	100.232	BA
10260	511.439.349	4.738.258.611	99.879	BA
10261	511.442.364	4.738.261.067	99.681	OF
10262	511.444.679	4.738.259.989	99.514	OF
10263	511.446.576	4.738.262.431	99.041	OF
10264	511.445.786	4.738.263.341	98.934	OF
10265	511.444.142	4.738.261.829	99.340	OF
10266	511.443.385	4.738.262.083	99.367	OF
10267	511.443.804	4.738.261.977	97.868	TUBO800
10268	511.444.290	4.738.286.654	103.645	R
10269	511.443.243	4.738.286.751	103.207	R
10270	511.442.228	4.738.286.979	103.367	BA
10271	511.452.568	4.738.261.291	99.248	BA
10272	511.453.259	4.738.260.102	99.301	LB

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
10273	511.455.213	4.738.257.141	99.453	LB
10274	511.457.173	4.738.254.144	99.597	LB
10275	511.457.859	4.738.253.163	99.618	BA
10276	511.470.138	4.738.261.584	99.245	BA
10277	511.469.426	4.738.262.451	99.192	LB
10278	511.467.465	4.738.265.456	99.034	LB
10279	511.465.360	4.738.268.308	98.855	LB
10280	511.464.741	4.738.269.231	98.812	BA
10281	511.462.481	4.738.272.043	97.598	CT
10282	511.455.704	4.738.267.995	98.101	C
10283	511.482.074	4.738.281.580	98.193	BA
10284	511.480.965	4.738.285.002	97.510	CT
10285	511.481.896	4.738.280.085	98.284	LB
10286	511.483.780	4.738.277.037	98.487	LB
10287	511.485.708	4.738.274.117	98.727	LB
10288	511.486.392	4.738.272.987	98.742	BA
10289	511.502.292	4.738.286.414	97.975	LB
10290	511.502.943	4.738.285.523	98.068	BA
10291	511.500.129	4.738.289.176	97.836	LB
10292	511.497.160	4.738.291.375	97.823	LB
10293	511.496.343	4.738.292.294	97.704	BA
10294	511.494.369	4.738.294.905	96.718	CT
10295	511.505.832	4.738.299.691	97.093	BA
10296	511.506.127	4.738.298.335	97.170	LB
10297	511.508.426	4.738.295.577	97.359	LB
10298	511.510.495	4.738.292.850	97.705	LB
10299	511.511.331	4.738.291.885	97.704	BA
10300	511.446.785	4.738.259.647	99.375	IBI
10301	511.441.294	4.738.238.657	98.933	MU
10302	511.451.400	4.738.245.255	98.524	MU
10303	511.437.433	4.738.233.509	99.055	MU
10304	511.437.912	4.738.233.621	97.852	TUBO800
10305	511.435.014	4.738.226.627	98.824	MU
10306	511.442.662	4.738.294.215	103.524	BA
10307	511.444.241	4.738.319.014	105.565	BA
10308	511.439.423	4.738.319.694	105.732	BA
10309	511.438.300	4.738.319.894	105.322	PT
10310	511.437.880	4.738.319.941	105.424	PT
10311	511.444.112	4.738.329.918	106.589	BA
10312	511.439.198	4.738.329.854	106.676	BA
10313	511.438.142	4.738.329.987	106.195	PT
10314	511.437.933	4.738.330.011	106.250	PT
10315	511.447.656	4.738.329.996	106.335	R
10316	511.447.445	4.738.316.973	105.714	R
10317	511.431.426	4.738.257.781	100.244	ARQ
10318	511.431.011	4.738.257.702	99.878	ARQ
10319	511.436.049	4.738.295.570	103.021	OD
10320	511.437.821	4.738.294.505	103.514	LB
10321	511.437.396	4.738.287.425	103.357	LB
10322	511.434.222	4.738.262.034	100.222	LB

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
10323	511.416.329	4.738.203.527	97.238	PT
10324	511.416.858	4.738.203.233	97.771	BA
10325	511.417.039	4.738.203.160	97.768	LB
10326	511.419.774	4.738.202.293	97.760	LB
10327	511.422.416	4.738.201.531	97.706	LB
10328	511.423.255	4.738.201.337	97.682	BA
10329	511.423.719	4.738.201.077	97.465	CT
10330	511.418.342	4.738.184.971	95.589	CT
10331	511.418.079	4.738.185.095	95.770	BA
10332	511.417.712	4.738.185.205	95.789	LB
10333	511.414.798	4.738.186.039	95.857	LB
10334	511.411.885	4.738.186.995	95.883	LB
10335	511.411.521	4.738.187.125	95.875	BA
10336	511.410.836	4.738.187.213	95.374	PT
10337	511.406.375	4.738.170.638	93.966	PT
10338	511.406.986	4.738.170.411	94.412	BA
10339	511.407.499	4.738.170.327	94.417	LB
10340	511.410.349	4.738.169.537	94.378	LB
10341	511.413.264	4.738.168.716	94.293	LB
10342	511.413.450	4.738.168.675	94.283	BA
10343	511.413.813	4.738.168.542	94.017	CT
10344	511.410.363	4.738.152.200	92.806	CT
10345	511.409.669	4.738.152.356	92.998	BA
10346	511.409.232	4.738.152.471	93.019	LB
10347	511.406.357	4.738.153.289	93.111	LB
10348	511.403.484	4.738.154.059	93.146	LB
10349	511.403.261	4.738.154.122	93.133	BA
10350	511.402.727	4.738.154.205	92.756	PT
10351	511.398.665	4.738.137.283	91.426	PT
10352	511.399.125	4.738.137.126	91.687	BA
10353	511.399.376	4.738.137.046	91.691	LB
10354	511.402.342	4.738.136.289	91.663	LB
10355	511.405.177	4.738.135.474	91.562	LB
10356	511.405.624	4.738.135.479	91.553	BA
10357	511.407.493	4.738.135.260	91.279	CT
10358	511.405.442	4.738.132.032	90.054	ODT
10359	511.405.585	4.738.132.961	91.179	CT
10360	511.405.037	4.738.131.356	91.159	CT
10361	511.397.656	4.738.133.866	90.475	ODT
10362	511.393.981	4.738.118.375	89.582	PT
10363	511.394.533	4.738.118.217	89.937	BA
10364	511.394.919	4.738.118.099	89.944	BA
10365	511.397.912	4.738.117.442	89.948	LB
10366	511.400.803	4.738.116.779	89.835	LB
10367	511.401.166	4.738.116.772	89.816	BA
10368	511.401.772	4.738.116.756	89.625	CT
10369	511.398.083	4.738.100.321	88.233	CT
10370	511.397.630	4.738.100.338	88.398	BA
10371	511.397.173	4.738.100.455	88.431	LB
10372	511.394.253	4.738.101.121	88.569	LB

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
10373	511.391.299	4.738.101.772	88.600	LB
10374	511.390.924	4.738.101.897	88.593	BA
10375	511.390.335	4.738.101.889	88.256	PT
10376	511.389.983	4.738.097.350	88.243	BA
10377	511.388.063	4.738.097.875	88.541	ENT
10378	511.386.923	4.738.095.384	88.425	ENT
10379	511.389.248	4.738.093.624	87.944	BA
10380	511.389.348	4.738.097.738	87.732	ODT
10381	511.388.370	4.738.093.766	87.440	ODT
10382	511.386.020	4.738.078.996	86.583	PT
10383	511.386.882	4.738.078.944	86.911	BA
10384	511.387.266	4.738.078.811	86.923	LB
10385	511.390.266	4.738.078.197	86.884	LB
10386	511.393.310	4.738.077.601	86.667	LB
10387	511.393.751	4.738.077.509	86.627	BA
10388	511.393.960	4.738.077.490	86.524	CT
10389	511.391.796	4.738.060.957	85.537	CT
10390	511.391.504	4.738.061.029	85.705	BA
10391	511.391.046	4.738.061.078	85.739	LB
10392	511.387.957	4.738.061.525	85.812	LB
10393	511.384.920	4.738.061.909	85.770	LB
10394	511.384.588	4.738.061.929	85.740	BA
10395	511.383.854	4.738.061.963	85.418	PT
10396	511.381.883	4.738.046.847	84.553	PT
10397	511.382.537	4.738.046.757	84.735	BA
10398	511.382.775	4.738.046.728	84.750	LB
10399	511.385.667	4.738.046.131	84.757	LB
10400	511.388.695	4.738.045.568	84.636	LB
10401	511.389.281	4.738.045.432	84.601	BA
10402	511.390.151	4.738.045.236	84.277	CT
10403	511.403.178	4.737.960.254	69.534	PT
10404	511.406.545	4.737.964.441	68.667	PT
10405	511.408.643	4.737.969.028	69.022	PT
10406	511.405.620	4.737.959.209	68.827	R
10407	511.404.217	4.737.955.011	68.423	R
10408	511.401.321	4.737.989.297	72.984	MU-E
10409	511.402.318	4.737.988.122	72.922	MU-E
10410	511.402.338	4.737.987.210	72.958	MU-E
10411	511.391.282	4.737.968.035	73.315	PH-FAR
10412	511.412.543	4.737.948.725	66.917	R
10413	511.409.610	4.737.944.854	66.961	R
10414	511.407.457	4.737.941.887	67.085	R
10415	511.404.738	4.737.938.989	67.300	R
10416	511.401.362	4.737.935.365	67.473	R
10417	511.398.837	4.737.931.898	67.375	R
10418	511.396.134	4.737.927.910	67.366	R
10419	511.417.502	4.737.948.198	67.759	MU-P
10420	511.413.207	4.737.953.531	67.230	MU-P
10421	511.409.415	4.737.959.036	68.180	MU-PF
10422	511.409.526	4.737.959.109	68.646	MU-CF

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
10423	511.413.875	4.737.952.857	68.358	MU-CF
10424	511.418.328	4.737.948.233	68.042	MU-C
10425	511.425.473	4.737.957.088	68.203	R
10426	511.420.719	4.737.960.578	68.346	R
10427	511.414.631	4.737.965.359	68.464	R
10428	511.401.693	4.737.955.667	69.295	PT
10429	511.403.733	4.737.954.120	68.508	R
10430	511.402.207	4.737.949.205	68.268	R
10431	511.398.406	4.737.951.819	69.444	PT
10432	511.408.721	4.737.977.809	72.943	CT
10433	511.408.591	4.737.977.917	73.025	BA
10434	511.408.058	4.737.978.416	73.068	LB
10435	511.405.613	4.737.979.981	73.086	LB
10436	511.402.751	4.737.981.621	73.019	LB
10437	511.402.477	4.737.981.793	73.007	BA
10438	511.399.586	4.737.977.465	73.094	BA
10439	511.399.907	4.737.977.337	73.109	LB
10440	511.402.524	4.737.975.449	73.204	LB
10441	511.404.999	4.737.973.837	73.197	LB
10442	511.405.244	4.737.973.681	73.187	BA
10443	511.405.718	4.737.973.383	72.837	CT
10444	511.402.966	4.737.968.870	73.025	CT
10445	511.402.407	4.737.969.300	73.316	BA
10446	511.402.047	4.737.969.472	73.357	LB
10447	511.399.584	4.737.971.218	73.317	LB
10448	511.396.972	4.737.973.091	73.223	LB
10449	511.396.760	4.737.973.247	73.206	BA
10450	511.393.689	4.737.968.831	73.333	BA
10451	511.393.871	4.737.968.699	73.355	LB
10452	511.396.405	4.737.966.802	73.437	LB
10453	511.398.860	4.737.964.996	73.511	LB
10454	511.399.504	4.737.964.572	73.498	BA
10455	511.400.152	4.737.964.080	73.082	CT
10456	511.397.150	4.737.959.707	73.352	CT
10457	511.396.469	4.737.960.389	73.622	BA
10458	511.395.785	4.737.960.779	73.646	LB
10459	511.393.328	4.737.962.590	73.562	LB
10460	511.390.863	4.737.964.556	73.484	LB
10461	511.390.680	4.737.964.663	73.466	BA
10462	511.387.615	4.737.960.745	73.572	BA
10463	511.387.796	4.737.960.589	73.591	LB
10464	511.390.301	4.737.958.630	73.684	LB
10465	511.392.826	4.737.956.758	73.788	LB
10466	511.393.384	4.737.956.413	73.797	BA
10467	511.393.948	4.737.955.916	73.670	CT
10468	511.390.584	4.737.951.479	73.905	CT
10469	511.390.009	4.737.951.976	73.922	BA
10470	511.389.543	4.737.952.360	73.926	LB
10471	511.386.967	4.737.954.469	73.816	LB
10472	511.384.555	4.737.956.653	73.683	LB

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
10473	511.384.338	4.737.956.844	73.664	BA
10474	511.380.470	4.737.952.511	73.797	BA
10475	511.380.619	4.737.952.354	73.821	LB
10476	511.382.963	4.737.950.044	73.978	LB
10477	511.385.421	4.737.947.665	74.131	LB
10478	511.386.733	4.737.946.213	73.905	CT
10479	511.386.009	4.737.947.352	74.132	BA
10480	511.383.243	4.737.942.631	74.080	CT
10481	511.382.338	4.737.943.441	74.290	BA
10482	511.381.618	4.737.944.164	74.270	LB
10483	511.379.433	4.737.946.749	74.095	LB
10484	511.377.435	4.737.949.379	73.923	LB
10485	511.377.244	4.737.949.454	73.909	BA
10486	511.373.156	4.737.946.369	74.014	BA
10487	511.373.291	4.737.946.112	74.046	LB
10488	511.375.032	4.737.943.372	74.219	LB
10489	511.376.937	4.737.940.545	74.437	LB
10490	511.377.572	4.737.939.628	74.480	BA
10491	511.378.802	4.737.938.115	74.283	CT
10495	511.388.654	4.737.896.361	66.142	CAM
10496	511.387.390	4.737.897.342	66.197	CAM
10497	511.386.725	4.737.897.928	66.585	CT
10498	511.391.415	4.737.900.259	65.402	CAM
10499	511.390.187	4.737.901.041	65.548	CAM
10500	511.389.552	4.737.901.419	66.077	CT
10501	511.388.414	4.737.904.187	66.332	R
10502	511.385.897	4.737.912.077	67.421	R
10503	511.383.537	4.737.918.631	68.452	R
10504	511.381.405	4.737.926.017	69.530	R
10505	511.380.194	4.737.930.774	70.753	PT
10506	511.385.025	4.737.937.388	70.710	PT
10507	511.389.838	4.737.941.459	70.203	PT
10508	511.401.016	4.737.924.990	65.804	CT
10509	511.398.311	4.737.920.897	65.869	CT
10510	511.394.663	4.737.915.121	66.016	CT
10511	511.392.492	4.737.910.340	65.802	CT
10512	511.391.027	4.737.904.466	65.830	CT
10513	511.393.565	4.737.903.126	65.051	CAM
10514	511.392.039	4.737.904.008	65.154	CAM
10515	511.393.669	4.737.908.204	64.853	CAM
10516	511.395.432	4.737.907.427	64.740	CAM
10517	511.397.398	4.737.912.373	64.745	CAM
10518	511.395.674	4.737.913.292	64.917	CAM
10519	511.397.097	4.737.916.711	64.745	CAM
10520	511.398.974	4.737.915.679	64.561	CAM
10521	511.401.575	4.737.920.166	64.374	CAM
10522	511.399.954	4.737.921.367	64.465	CAM
10523	511.403.395	4.737.926.366	64.235	CAM
10524	511.405.156	4.737.925.191	64.160	CAM
10525	511.408.495	4.737.929.126	64.084	CAM

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
10526	511.407.217	4.737.930.439	64.123	CAM
10527	511.410.786	4.737.934.064	64.029	CAM
10528	511.412.016	4.737.932.470	64.057	CAM
10529	511.417.523	4.737.937.714	63.801	CAM
10530	511.416.202	4.737.939.189	63.847	CAM
10531	511.420.275	4.737.943.387	63.772	CAM
10532	511.421.826	4.737.942.172	63.721	CAM
10533	511.418.207	4.737.943.604	65.778	CT
10534	511.413.706	4.737.939.075	65.785	CT
10535	511.409.118	4.737.934.575	65.797	CT
10536	511.404.325	4.737.929.968	65.999	CT
10537	511.409.232	4.737.928.468	64.838	CT
10538	511.290.308	4.737.957.026	75.809	MU-L
10539	511.290.183	4.737.956.651	75.836	AC
10540	511.289.946	4.737.954.977	75.763	AC
10541	511.289.957	4.737.954.948	75.603	BA
10542	511.289.286	4.737.953.076	75.637	LB
10543	511.287.998	4.737.950.055	75.699	LB
10544	511.287.047	4.737.946.973	75.724	LB
10545	511.286.977	4.737.946.695	75.699	BA
10546	511.286.510	4.737.945.314	75.701	MU-L
10547	511.296.413	4.737.942.654	75.509	MU-L
10548	511.296.703	4.737.943.957	75.541	BA
10549	511.296.814	4.737.944.259	75.571	LB
10550	511.298.087	4.737.947.352	75.556	LB
10551	511.299.243	4.737.950.529	75.533	LB
10552	511.299.660	4.737.952.232	75.493	BA
10553	511.299.666	4.737.952.276	75.715	AC
10554	511.300.122	4.737.953.817	75.777	AC
10555	511.300.214	4.737.954.021	75.709	MU-L
10556	511.305.216	4.737.950.821	75.604	AC
10557	511.305.245	4.737.950.786	75.458	BA
10558	511.305.749	4.737.950.656	75.436	BA
10559	511.307.275	4.737.951.547	75.476	BA
10560	511.307.817	4.737.950.806	75.425	BA
10561	511.308.677	4.737.950.934	75.443	BA
10562	511.308.679	4.737.950.996	75.659	AC
10563	511.307.904	4.737.952.081	75.764	MU-L
10564	511.307.317	4.737.951.994	75.598	MU-E
10565	511.306.981	4.737.952.000	75.552	AC
10566	511.305.562	4.737.952.380	75.699	AC
10567	511.308.672	4.737.950.621	75.410	LB
10568	511.306.266	4.737.950.222	75.446	LB
10569	511.303.568	4.737.949.969	75.463	LB
10570	511.301.780	4.737.950.039	75.500	LB
10571	511.309.768	4.737.950.517	75.429	LB-F
10572	511.312.852	4.737.948.108	75.344	LB-E
10573	511.318.335	4.737.946.652	75.296	LB-F
10574	511.318.410	4.737.946.192	75.254	LB-E
10575	511.319.581	4.737.947.537	75.366	LB

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
10576	511.321.492	4.737.948.731	75.436	LB
10577	511.323.759	4.737.949.660	75.562	LB
10578	511.325.806	4.737.950.232	75.572	LB
10579	511.328.443	4.737.950.494	75.765	LB
10580	511.331.242	4.737.950.604	75.854	LB
10581	511.334.366	4.737.950.674	76.045	LB
10582	511.332.396	4.737.950.584	75.918	LB
10583	511.330.337	4.737.950.420	75.816	LB
10584	511.328.288	4.737.950.108	75.714	LB
10585	511.326.547	4.737.949.652	75.624	LB
10586	511.324.845	4.737.948.947	75.523	LB
10587	511.323.011	4.737.948.040	75.439	LB
10588	511.321.231	4.737.947.173	75.350	LB
10589	511.319.684	4.737.946.595	75.312	LB
10590	511.313.325	4.737.951.583	75.525	LB
10591	511.313.331	4.737.951.975	75.545	BA
10592	511.313.304	4.737.952.003	75.705	AC
10593	511.313.022	4.737.953.267	75.620	MU-E
10594	511.320.091	4.737.955.055	75.740	MU-HE
10595	511.320.334	4.737.953.542	75.777	AC
10596	511.320.351	4.737.953.459	75.726	BA
10597	511.320.407	4.737.953.139	75.700	LB
10598	511.324.841	4.737.955.968	76.907	MU-HL
10599	511.324.959	4.737.954.471	75.905	AC
10600	511.325.004	4.737.954.337	75.789	BA
10601	511.325.007	4.737.953.943	75.769	LB
10602	511.326.699	4.737.954.029	75.928	LB
10603	511.326.783	4.737.954.536	75.892	BA
10604	511.326.791	4.737.954.580	76.045	AC
10605	511.328.275	4.737.954.632	75.992	AC
10606	511.328.306	4.737.954.571	75.938	BA
10607	511.328.287	4.737.954.154	75.977	LB
10608	511.332.855	4.737.954.087	76.066	LB
10609	511.332.905	4.737.954.504	76.059	BA
10610	511.332.928	4.737.954.516	76.190	AC
10611	511.333.987	4.737.947.190	75.809	LB
10612	511.334.076	4.737.946.710	75.753	BA
10613	511.332.552	4.737.946.462	75.543	BA
10614	511.331.644	4.737.945.826	75.352	BA
10615	511.331.096	4.737.945.057	75.184	BA
10616	511.330.889	4.737.944.411	75.146	BA
10617	511.331.040	4.737.943.770	75.059	BA
10618	511.331.629	4.737.943.115	75.050	BA
10619	511.331.946	4.737.942.741	75.002	BA
10620	511.332.041	4.737.942.421	74.989	BA
10621	511.333.119	4.737.942.099	74.968	BA
10622	511.334.553	4.737.941.760	74.938	BA
10623	511.334.473	4.737.941.508	74.965	LB
10624	511.333.107	4.737.941.855	75.029	LB
10625	511.332.070	4.737.942.252	75.043	LB

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
10626	511.331.100	4.737.943.045	75.042	LB
10627	511.330.600	4.737.943.769	75.111	LB
10628	511.330.396	4.737.945.002	75.194	LB
10629	511.330.453	4.737.945.522	75.283	LB
10630	511.330.661	4.737.946.111	75.392	LB
10631	511.331.250	4.737.946.615	75.465	LB
10632	511.332.127	4.737.946.987	75.596	LB
10633	511.332.527	4.737.945.381	75.429	C
10634	511.332.828	4.737.944.425	75.734	CT
10635	511.333.238	4.737.944.134	75.630	CT
10636	511.335.600	4.737.944.039	75.671	CT
10637	511.332.241	4.737.943.626	74.944	PT
10638	511.333.556	4.737.943.108	74.913	PT
10639	511.334.693	4.737.942.781	74.877	PT
10640	511.333.696	4.737.938.386	75.068	LB
10641	511.332.911	4.737.935.257	75.234	LB
10642	511.332.839	4.737.934.896	75.254	BA
10643	511.329.535	4.737.935.566	75.249	BA
10644	511.327.470	4.737.935.987	75.231	BA
10645	511.324.440	4.737.936.714	75.256	BA
10646	511.321.574	4.737.937.349	75.288	BA
10647	511.318.166	4.737.938.178	75.300	BA
10648	511.313.601	4.737.939.395	75.375	BA
10649	511.311.161	4.737.940.094	75.422	BA
10650	511.308.564	4.737.940.770	75.435	BA
10651	511.305.329	4.737.941.656	75.450	BA
10652	511.304.009	4.737.941.993	75.444	BA
10653	511.300.570	4.737.942.859	75.473	BA
10654	511.298.880	4.737.943.343	75.505	BA
10655	511.303.117	4.737.942.575	75.495	LB
10656	511.304.313	4.737.945.724	75.473	LB
10657	511.305.404	4.737.948.944	75.401	LB
10658	511.311.679	4.737.947.288	75.320	LB
10659	511.310.611	4.737.944.098	75.395	LB
10660	511.309.422	4.737.940.878	75.443	LB
10661	511.315.261	4.737.939.362	75.364	LB
10662	511.316.678	4.737.942.495	75.344	LB
10663	511.317.783	4.737.945.662	75.245	LB
10664	511.324.052	4.737.944.019	75.200	LB
10665	511.322.705	4.737.940.986	75.285	LB
10666	511.321.682	4.737.937.677	75.274	LB
10667	511.327.325	4.737.936.377	75.205	LB
10668	511.328.306	4.737.939.578	75.176	LB
10669	511.329.332	4.737.942.698	75.104	LB
10670	511.337.905	4.737.934.340	75.155	LB
10671	511.338.757	4.737.937.501	74.978	LB
10672	511.339.394	4.737.940.734	74.850	LB
10673	511.339.448	4.737.940.876	74.834	BA
10674	511.345.090	4.737.940.402	74.735	BA
10675	511.345.063	4.737.940.272	74.773	LB

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
10676	511.344.769	4.737.936.897	74.885	LB
10677	511.344.063	4.737.933.684	75.041	LB
10678	511.350.337	4.737.933.460	74.897	LB
10679	511.350.819	4.737.936.734	74.755	LB
10680	511.351.019	4.737.940.194	74.644	LB
10681	511.351.014	4.737.940.440	74.620	BA
10682	511.356.727	4.737.940.971	74.488	BA
10683	511.356.738	4.737.940.578	74.500	LB
10684	511.356.987	4.737.933.770	74.752	LB
10685	511.356.772	4.737.937.073	74.641	LB
10686	511.362.654	4.737.934.619	74.665	LB
10687	511.362.232	4.737.937.869	74.498	LB
10688	511.361.709	4.737.941.237	74.338	LB
10689	511.361.663	4.737.941.690	74.323	BA
10690	511.367.258	4.737.943.280	74.113	BA
10691	511.367.341	4.737.942.901	74.197	LB
10692	511.370.141	4.737.936.893	74.540	LB
10693	511.368.938	4.737.940.016	74.361	LB
10694	511.374.549	4.737.939.017	74.496	LB
10695	511.373.194	4.737.942.192	74.252	LB
10696	511.371.585	4.737.944.972	74.116	LB
10697	511.371.385	4.737.945.357	74.062	BA
10698	511.375.285	4.737.938.133	74.547	BA
10699	511.375.412	4.737.937.299	74.543	BA
10700	511.375.074	4.737.936.503	74.527	BA
10701	511.374.580	4.737.935.628	74.470	BA
10702	511.373.426	4.737.934.553	74.439	BA
10703	511.372.446	4.737.933.619	74.418	BA
10704	511.371.726	4.737.933.048	74.351	BA
10705	511.370.866	4.737.932.393	74.239	BA
10706	511.370.427	4.737.931.651	74.153	BA
10707	511.376.440	4.737.936.301	74.380	CT
10708	511.375.549	4.737.935.331	74.323	CT
10709	511.374.394	4.737.933.959	74.212	CT
10710	511.372.992	4.737.932.171	73.978	CT
10711	511.372.328	4.737.931.210	73.815	CT
10712	511.366.542	4.737.931.249	74.227	BA
10713	511.366.494	4.737.931.490	74.273	BA
10714	511.366.234	4.737.931.599	74.327	BA
10715	511.365.361	4.737.932.159	74.406	BA
10716	511.362.743	4.737.934.027	74.671	BA
10717	511.359.413	4.737.933.588	74.726	BA
10718	511.363.960	4.737.934.330	74.670	ROT
10719	511.367.040	4.737.935.038	74.583	ROT
10720	511.369.993	4.737.935.956	74.573	ROT
10721	511.373.418	4.737.937.379	74.571	ROT
10722	511.356.601	4.737.933.402	74.806	BA
10723	511.353.565	4.737.933.136	74.836	BA
10724	511.351.472	4.737.933.100	74.863	BA
10725	511.346.905	4.737.933.128	75.003	BA

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
10726	511.342.684	4.737.933.330	75.042	BA
10727	511.338.916	4.737.933.880	75.104	BA
10728	511.336.363	4.737.934.312	75.170	BA
10729	511.333.330	4.737.934.685	75.183	BA
10730	511.313.476	4.737.938.065	75.421	MU-E
10731	511.312.939	4.737.938.194	75.572	ENT
10732	511.309.165	4.737.939.226	75.591	ENT
10733	511.308.134	4.737.939.513	75.475	MU-L
10734	511.313.499	4.737.938.365	75.404	H
10735	511.313.643	4.737.939.065	75.371	H
10736	511.317.011	4.737.937.541	74.849	H
10737	511.365.623	4.737.927.055	73.774	PT
10738	511.365.965	4.737.928.679	73.991	PT
10739	511.366.391	4.737.930.628	74.146	PT
10740	511.366.389	4.737.931.092	74.193	PT
10741	511.367.502	4.737.927.056	73.456	BA
10742	511.370.902	4.737.927.369	73.377	BA
10743	511.371.875	4.737.926.241	72.842	CT
10744	511.371.380	4.737.920.535	71.927	CT
10745	511.370.663	4.737.920.488	72.155	BA
10746	511.367.721	4.737.920.652	72.256	BA
10747	511.365.144	4.737.920.687	72.391	MU-L
10748	511.365.302	4.737.916.268	71.901	MU-L
10749	511.367.709	4.737.916.040	71.592	BA
10750	511.370.558	4.737.915.668	71.349	BA
10751	511.371.568	4.737.915.368	71.218	CT
10752	511.371.313	4.737.908.514	70.374	CT
10753	511.370.210	4.737.908.771	70.560	BA
10754	511.367.529	4.737.908.950	70.673	BA
10755	511.365.627	4.737.908.592	70.783	MU-L
10756	511.365.906	4.737.902.340	70.164	MU-E
10757	511.366.913	4.737.902.313	70.080	BA
10758	511.369.677	4.737.902.033	70.017	BA
10759	511.370.775	4.737.901.782	69.780	CT
10760	511.369.976	4.737.895.696	69.398	CT
10761	511.368.641	4.737.895.823	69.621	BA
10762	511.365.839	4.737.896.706	69.693	BA
10763	511.364.938	4.737.896.993	69.763	MU-L
10764	511.363.793	4.737.891.002	69.493	MU-E
10765	511.364.080	4.737.890.849	69.367	BA
10766	511.366.902	4.737.889.581	69.335	BA
10767	511.364.628	4.737.886.355	69.247	BA
10768	511.362.728	4.737.887.179	69.206	BA
10769	511.361.016	4.737.887.051	69.154	BA
10770	511.362.678	4.737.888.880	69.275	BA
10771	511.367.394	4.737.885.971	69.074	CAM
10772	511.367.650	4.737.888.106	69.165	CAM
10773	511.371.340	4.737.888.829	68.791	CAM
10774	511.371.921	4.737.886.992	68.805	CAM
10775	511.376.335	4.737.888.026	68.299	CAM

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
10776	511.376.248	4.737.890.021	68.255	CAM
10777	511.381.248	4.737.889.649	67.847	CAM
10778	511.380.274	4.737.891.865	67.733	CAM
10779	511.384.366	4.737.895.032	67.027	CAM
10780	511.386.344	4.737.893.820	66.820	CAM
10781	511.384.900	4.737.896.280	66.906	C
10782	511.374.303	4.737.906.276	69.120	PT
10783	511.373.793	4.737.912.558	69.546	PT
10784	511.374.590	4.737.919.231	70.442	PT
10785	511.375.347	4.737.923.488	70.528	PT
10786	511.342.492	4.737.941.720	74.601	PT
10787	511.342.861	4.737.943.217	75.001	PT
10788	511.349.573	4.737.941.475	74.427	PT
10789	511.350.367	4.737.944.370	74.828	PT
10790	511.356.129	4.737.941.989	74.227	PT
10791	511.356.852	4.737.944.671	74.560	PT
10792	511.362.198	4.737.944.501	74.339	PT
10793	511.363.116	4.737.942.981	74.099	PT
10794	511.367.835	4.737.944.228	74.105	PT
10795	511.367.314	4.737.945.981	74.749	PT
10796	511.371.834	4.737.946.566	73.893	PT
10797	511.370.954	4.737.948.230	74.588	PT
10798	511.375.106	4.737.948.806	73.721	PT
10799	511.374.261	4.737.950.404	74.270	PT
10800	511.378.636	4.737.952.188	73.580	PT
10801	511.377.862	4.737.953.146	74.358	PT
10802	511.381.085	4.737.955.382	73.564	PT
10803	511.383.858	4.737.958.025	73.441	PT
10804	511.385.456	4.737.959.866	73.443	PT
10805	511.387.309	4.737.961.730	73.419	PT
10806	511.389.188	4.737.964.310	73.317	PT
10807	511.391.036	4.737.966.750	73.208	PT
10808	511.393.090	4.737.969.998	73.152	PT
10809	511.394.385	4.737.972.108	73.116	PT
10810	511.394.688	4.737.972.807	73.121	PT
10811	511.394.942	4.737.972.659	73.096	PT
10812	511.395.478	4.737.973.727	72.892	ODT
10813	511.395.389	4.737.973.903	73.261	H
10814	511.395.672	4.737.973.577	73.274	H
10815	511.395.595	4.737.973.091	73.217	H
10816	511.394.995	4.737.972.247	73.276	H
10817	511.395.158	4.737.972.094	73.300	H
10818	511.395.677	4.737.971.976	73.277	H
10819	511.396.096	4.737.972.298	73.224	BA
10820	511.395.541	4.737.974.384	73.278	H
10821	511.395.429	4.737.975.169	73.349	H
10822	511.395.184	4.737.975.788	73.420	H
10823	511.394.939	4.737.976.110	73.506	MU-E
10824	511.396.552	4.737.978.570	73.318	MU-E
10825	511.399.939	4.737.983.594	73.059	MU-E

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
10826	511.400.759	4.737.984.843	73.059	MU-E
10827	511.400.389	4.737.978.681	73.052	BA
10828	511.399.466	4.737.978.647	73.057	ROT
10829	511.397.247	4.737.978.423	73.285	ROT
10830	511.394.319	4.737.975.275	74.552	MU-L
10831	511.385.465	4.737.962.628	75.185	MU-E
10832	511.385.107	4.737.963.007	75.359	MU-E
10833	511.384.586	4.737.963.661	75.890	MU-L
10834	511.383.177	4.737.962.582	75.990	CT
10835	511.382.396	4.737.966.305	76.417	MU-L
10836	511.379.215	4.737.970.493	79.605	MU-L
10837	511.378.094	4.737.971.611	79.687	MU-E
10838	511.378.025	4.737.970.622	79.560	CT
10839	511.377.939	4.737.968.316	79.293	CT
10840	511.377.393	4.737.965.672	79.176	CT
10841	511.377.143	4.737.966.720	79.279	MU-E
10842	511.377.332	4.737.966.718	79.268	MU-E
10843	511.376.682	4.737.966.930	79.317	BA
10844	511.376.190	4.737.967.222	79.287	LB
10845	511.373.161	4.737.968.038	79.108	LB
10846	511.370.145	4.737.968.879	78.887	LB
10847	511.369.629	4.737.969.058	78.809	BA
10848	511.369.547	4.737.969.109	78.854	AC
10849	511.368.774	4.737.966.901	78.621	AC
10850	511.368.797	4.737.966.900	78.535	BA
10851	511.369.291	4.737.966.764	78.523	LB
10852	511.372.210	4.737.965.350	78.840	LB
10853	511.375.085	4.737.963.418	79.074	LB
10854	511.375.383	4.737.963.275	79.097	BA
10855	511.373.701	4.737.960.027	78.879	BA
10856	511.373.482	4.737.960.156	78.850	LB
10857	511.370.521	4.737.962.059	78.646	LB
10858	511.367.769	4.737.964.093	78.406	LB
10859	511.367.412	4.737.964.407	78.414	BA
10860	511.367.410	4.737.964.423	78.459	AC
10861	511.365.623	4.737.961.933	78.233	AC
10862	511.365.641	4.737.961.886	78.154	BA
10863	511.366.056	4.737.961.757	78.197	LB
10864	511.368.379	4.737.959.159	78.359	LB
10865	511.370.657	4.737.956.508	78.518	LB
10866	511.370.977	4.737.956.133	78.523	BA
10867	511.368.014	4.737.953.833	78.281	BA
10868	511.367.786	4.737.954.124	78.252	LB
10869	511.365.911	4.737.957.036	78.105	LB
10870	511.363.872	4.737.959.591	77.934	LB
10871	511.363.606	4.737.959.928	77.942	BA
10872	511.363.603	4.737.959.964	77.984	AC
10873	511.361.438	4.737.958.512	77.782	AC
10874	511.361.448	4.737.958.468	77.704	BA
10875	511.361.657	4.737.958.139	77.710	LB

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
10876	511.362.831	4.737.955.183	77.796	LB
10877	511.363.960	4.737.952.079	77.922	LB
10878	511.364.009	4.737.951.734	77.951	BA
10879	511.358.591	4.737.949.783	77.579	BA
10880	511.358.484	4.737.950.185	77.549	LB
10881	511.353.302	4.737.948.684	77.221	BA
10882	511.353.193	4.737.949.175	77.141	LB
10883	511.353.048	4.737.952.114	77.063	LB
10884	511.352.749	4.737.955.071	76.930	LB
10885	511.352.628	4.737.955.710	76.924	BA
10886	511.352.630	4.737.955.724	76.965	AC
10887	511.348.192	4.737.948.078	76.830	BA
10888	511.348.154	4.737.948.481	76.817	LB
10889	511.348.259	4.737.951.399	76.809	LB
10890	511.347.955	4.737.954.157	76.683	LB
10891	511.343.313	4.737.947.601	76.523	BA
10892	511.343.295	4.737.947.944	76.524	LB
10893	511.343.438	4.737.950.992	76.566	LB
10894	511.343.416	4.737.953.867	76.572	LB
10895	511.343.188	4.737.954.107	76.577	BA
10896	511.343.152	4.737.954.130	76.647	AC
10897	511.347.557	4.737.954.651	76.749	AC
10898	511.347.553	4.737.954.608	76.727	BA
10899	511.338.480	4.737.947.161	76.151	BA
10900	511.338.495	4.737.947.520	76.177	LB
10901	511.338.522	4.737.950.757	76.343	LB
10902	511.338.695	4.737.953.873	76.394	LB
10903	511.338.699	4.737.954.256	76.373	BA
10904	511.338.697	4.737.954.269	76.535	AC
10905	511.377.769	4.737.972.161	79.553	MU-L
10906	511.377.432	4.737.971.859	79.559	BA
10907	511.376.884	4.737.971.910	79.538	LB
10908	511.374.107	4.737.972.550	79.344	LB
10909	511.371.141	4.737.973.180	79.231	LB
10910	511.370.614	4.737.973.382	79.169	BA
10911	511.370.606	4.737.973.388	79.238	AC
10912	511.371.951	4.737.980.528	79.921	AC
10913	511.371.970	4.737.980.542	79.765	AC
10914	511.372.453	4.737.980.461	79.848	BA
10915	511.372.375	4.737.979.852	79.798	BA
10916	511.371.869	4.737.979.901	79.835	BA
10917	511.371.733	4.737.980.891	79.963	PT
10918	511.372.382	4.737.979.764	79.885	LB
10919	511.375.151	4.737.979.296	79.973	LB
10920	511.377.785	4.737.978.492	79.922	LB
10921	511.378.193	4.737.978.425	79.913	BA
10922	511.378.590	4.737.978.361	79.998	MU-L
10923	511.379.085	4.737.978.157	80.077	MU-L
10924	511.380.540	4.737.987.494	80.640	MU-L
10925	511.379.924	4.737.987.545	80.662	MU-L

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
10926	511.379.475	4.737.987.519	80.501	BA
10927	511.379.097	4.737.987.548	80.487	LB
10928	511.376.453	4.737.988.280	80.544	LB
10929	511.373.683	4.737.988.879	80.504	LB
10930	511.373.492	4.737.989.003	80.505	BA
10931	511.372.774	4.737.989.228	80.495	PT
10932	511.373.933	4.737.998.632	81.037	PT
10933	511.374.932	4.737.998.441	81.137	BA
10934	511.375.103	4.737.998.464	81.222	LB
10935	511.377.937	4.737.997.705	81.272	LB
10936	511.380.596	4.737.997.154	81.167	LB
10937	511.380.901	4.737.997.033	81.116	BA
10938	511.381.373	4.737.996.968	81.266	MU-L
10939	511.382.049	4.737.997.025	81.261	MU-L
10940	511.383.672	4.738.007.340	82.065	MU-E
10941	511.383.915	4.738.008.867	82.095	MU-E
10942	511.383.932	4.738.009.088	82.198	MU-E
10943	511.383.942	4.738.009.213	82.207	CIE-E
10944	511.382.917	4.738.007.469	81.944	MU-L
10945	511.383.307	4.738.009.984	82.055	MU-E
10946	511.384.069	4.738.010.726	82.257	MU-E
10947	511.382.303	4.738.007.308	81.819	BA
10948	511.382.231	4.738.007.386	81.825	LB
10949	511.379.535	4.738.007.928	81.943	LB
10950	511.376.635	4.738.008.619	81.957	LB
10951	511.376.429	4.738.008.728	81.948	BA
10952	511.375.640	4.738.009.005	81.801	PT
10953	511.375.951	4.738.010.568	81.980	PT
10954	511.376.433	4.738.011.226	81.858	PT
10955	511.376.755	4.738.011.168	81.799	PT
10956	511.376.596	4.738.011.170	81.781	ODT
10957	511.376.927	4.738.011.198	82.143	BA
10958	511.376.683	4.738.011.446	82.245	BA
10959	511.376.325	4.738.011.726	82.512	BA
10960	511.375.570	4.738.011.388	82.746	BA
10961	511.374.935	4.738.010.194	82.985	BA
10962	511.373.101	4.738.011.556	83.081	BA
10963	511.374.596	4.738.013.863	82.739	BA
10964	511.376.335	4.738.016.176	82.616	BA
10965	511.377.317	4.738.017.473	82.552	BA
10966	511.378.043	4.738.018.752	82.735	BA
10967	511.377.749	4.738.017.430	82.636	ROT
10968	511.377.368	4.738.015.240	82.509	ROT
10969	511.377.215	4.738.013.329	82.329	ROT
10970	511.377.018	4.738.012.006	82.325	ROT
10971	511.376.745	4.738.011.312	82.194	CT
10972	511.376.538	4.738.011.393	82.281	CT
10973	511.376.324	4.738.011.320	82.562	CT
10974	511.375.878	4.738.010.775	82.757	CT
10975	511.375.124	4.738.009.436	82.739	CT

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
10976	511.374.363	4.738.007.898	82.843	CT
10977	511.373.442	4.738.007.931	83.216	CAM
10978	511.371.674	4.738.009.570	83.295	CAM
10979	511.379.662	4.738.029.840	83.033	ODT
10980	511.379.269	4.738.029.798	83.537	CPT
10981	511.379.818	4.738.029.701	83.498	CT
10982	511.379.911	4.738.029.713	83.593	BA
10983	511.379.334	4.738.030.134	83.214	PT
10984	511.379.846	4.738.030.071	83.245	PT
10985	511.380.100	4.738.029.733	83.606	LB
10986	511.382.981	4.738.029.076	83.577	LB
10987	511.385.852	4.738.028.406	83.400	LB
10988	511.386.236	4.738.028.331	83.365	BA
10989	511.386.611	4.738.028.198	83.502	CIE-L
10990	511.386.177	4.738.026.336	83.343	CIE-L
10991	511.385.259	4.738.019.431	82.713	CIE-L
10992	511.384.603	4.738.019.442	82.722	BA
10993	511.384.317	4.738.019.528	82.732	LB
10994	511.381.428	4.738.019.930	82.855	LB
10995	511.378.623	4.738.020.661	82.925	LB
10996	511.378.380	4.738.020.707	82.935	BA
10997	511.377.427	4.738.020.929	82.959	PT
10998	511.377.051	4.738.018.491	82.691	PT
10999	511.376.003	4.738.016.647	82.699	PT
11000	511.375.415	4.738.008.182	81.815	PT
11001	511.374.808	4.738.003.673	81.436	PT
11002	511.373.769	4.737.997.112	81.045	PT
11003	511.386.692	4.738.031.649	83.642	BA
11004	511.387.540	4.738.032.564	83.726	BA
11005	511.388.982	4.738.034.722	83.746	BA
11006	511.390.225	4.738.036.340	83.607	BA
11007	511.391.303	4.738.038.268	83.209	BA
11008	511.389.799	4.738.039.303	83.334	BA
11009	511.389.272	4.738.039.763	83.395	PT
11010	511.388.455	4.738.038.467	83.787	C
11011	511.389.308	4.738.038.564	83.477	BA
11012	511.388.875	4.738.038.042	83.682	BA
11013	511.388.475	4.738.037.941	83.864	BA
11014	511.387.972	4.738.038.260	84.105	BA
11015	511.388.226	4.738.039.434	84.153	BA
11016	511.388.560	4.738.039.772	84.060	CT
11017	511.389.043	4.738.041.314	83.955	CT
11018	511.391.759	4.738.038.419	83.199	CIE-L
11019	511.390.009	4.738.035.634	83.766	CIE-L
11020	511.388.911	4.738.033.947	83.839	CIE-L
11021	511.387.754	4.738.031.670	83.748	CIE-L
11022	511.386.793	4.738.028.909	83.461	CIE-L
11023	511.387.466	4.738.038.275	84.090	LB
11024	511.384.525	4.738.039.036	84.262	LB
11025	511.381.712	4.738.039.545	84.278	LB

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11026	511.381.470	4.738.039.615	84.285	BA
11027	511.380.760	4.738.039.780	83.948	PT
11028	511.377.742	4.737.963.977	78.494	CT
11029	511.378.033	4.737.962.261	78.063	CT
11030	511.377.383	4.737.960.670	78.198	CT
11031	511.375.980	4.737.958.549	78.300	CT
11032	511.374.663	4.737.956.416	78.095	CT
11033	511.373.076	4.737.953.651	78.069	CT
11034	511.370.694	4.737.951.742	77.890	CT
11035	511.368.438	4.737.949.423	77.679	CT
11036	511.366.231	4.737.948.105	77.383	CT
11037	511.363.207	4.737.946.996	77.406	CT
11038	511.360.945	4.737.946.358	77.376	CT
11039	511.357.592	4.737.946.669	77.278	CT
11040	511.354.167	4.737.945.688	76.958	CT
11041	511.350.901	4.737.945.507	76.628	CT
11042	511.346.772	4.737.945.203	76.375	CT
11043	511.343.601	4.737.944.734	76.079	CT
11044	511.341.629	4.737.944.256	75.972	CT
11045	511.339.377	4.737.944.033	75.864	CT
11046	511.337.884	4.737.943.965	75.826	CT
11047	511.412.481	4.737.983.530	72.885	AC
11048	511.415.565	4.737.981.610	72.883	CIE-E
11049	511.419.570	4.737.987.776	72.916	CIE-L
11050	511.416.556	4.737.990.250	72.866	H
11051	511.416.063	4.737.990.560	72.879	LB
11052	511.413.672	4.737.992.427	72.829	LB
11053	511.410.960	4.737.994.129	72.767	LB
11054	511.410.629	4.737.994.348	72.742	BA
11055	511.414.057	4.737.981.977	72.858	CT
11056	511.412.362	4.737.980.775	72.770	CT
11057	511.410.082	4.737.978.851	72.670	CT
11058	511.088.880	4.737.577.977	47.010	R
11059	511.095.179	4.737.588.500	46.520	R
11060	510.864.533	4.737.380.358	37.230	CT
11061	510.862.932	4.737.381.778	37.560	CT
11062	510.864.517	4.737.385.379	37.610	CT
11063	510.896.843	4.737.382.195	34.669	CAM
11064	510.897.486	4.737.380.353	34.445	CAM
11065	510.904.802	4.737.383.598	33.599	CAM
11066	510.905.246	4.737.382.063	33.517	CAM
11067	510.910.454	4.737.385.174	32.769	CAM
11068	510.910.848	4.737.383.246	32.610	CAM
11069	510.913.149	4.737.386.392	32.332	CAM
11070	510.914.453	4.737.384.060	32.370	CAM
11071	510.915.288	4.737.389.491	31.920	CAM
11072	510.916.779	4.737.389.243	31.793	CAM
11073	510.916.460	4.737.387.557	31.865	CAM
11074	510.918.046	4.737.386.612	31.930	CAM
11075	510.917.443	4.737.384.952	31.988	CAM

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11076	510.908.887	4.737.393.358	34.075	R
11077	510.901.009	4.737.393.387	34.433	R
11078	510.892.848	4.737.393.186	35.172	R
11079	510.884.700	4.737.393.076	35.779	R
11080	510.878.280	4.737.391.861	36.364	R
11081	510.867.033	4.737.382.806	37.447	CT
11082	510.875.724	4.737.380.287	36.917	CT
11083	510.884.549	4.737.380.305	36.296	CT
11084	510.895.525	4.737.382.624	35.085	CT
11085	510.896.438	4.737.379.861	35.094	CT
11086	510.906.181	4.737.384.402	34.171	CT
11087	510.905.965	4.737.381.691	34.264	CT
11088	510.911.280	4.737.387.140	33.856	CT
11089	510.913.046	4.737.389.625	33.674	CT
11090	510.913.820	4.737.393.298	33.623	CT
11091	510.913.074	4.737.395.794	33.740	CT
11092	510.913.162	4.737.382.423	33.355	CT
11093	510.917.388	4.737.383.101	32.746	CT
11094	510.920.043	4.737.379.939	32.343	CT
11095	510.926.562	4.737.365.031	31.950	CT
11096	510.931.718	4.737.355.538	31.641	CT
11097	510.941.929	4.737.331.883	30.928	CT
11098	510.942.869	4.737.332.965	30.276	CAM
11099	510.932.489	4.737.355.430	30.847	CAM
11100	510.927.499	4.737.365.619	30.994	CAM
11101	510.920.871	4.737.380.053	31.790	CAM
11102	510.906.048	4.737.377.415	34.289	R
11103	510.907.852	4.737.370.236	34.064	R
11104	510.910.293	4.737.362.850	33.858	R
11105	510.912.890	4.737.356.275	33.547	R
11106	510.916.418	4.737.350.236	33.370	R
11107	510.918.207	4.737.342.922	33.375	R
11108	510.909.706	4.737.335.893	33.879	R
11109	510.904.957	4.737.343.048	34.191	R
11110	510.899.194	4.737.350.928	34.606	R
11111	510.895.699	4.737.358.850	34.873	R
11112	510.892.220	4.737.365.256	35.251	R
11113	510.890.223	4.737.372.742	35.551	R
11114	510.948.103	4.737.369.895	26.497	R
11115	510.951.232	4.737.376.512	26.199	CT
11116	510.952.228	4.737.376.980	24.559	PT
11117	510.952.180	4.737.386.223	24.984	PT
11118	510.951.234	4.737.386.359	26.199	CT
11119	510.950.813	4.737.400.933	26.558	C
11120	510.936.184	4.737.407.105	27.307	R
11121	510.938.715	4.737.396.931	27.184	R
11122	510.940.443	4.737.387.882	27.017	R
11123	510.942.084	4.737.377.539	27.074	R
11124	510.943.521	4.737.371.034	27.148	R
11125	510.944.397	4.737.366.657	27.455	R

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
11126	510.941.721	4.737.366.575	27.286	R
11127	510.930.696	4.737.386.963	27.829	PT
11128	510.926.663	4.737.396.539	28.249	PT
11129	510.921.008	4.737.403.599	29.076	C
11130	510.920.841	4.737.400.852	29.813	CT
11131	510.922.017	4.737.396.453	30.179	CT
11132	510.923.866	4.737.391.209	29.912	CT
11133	510.921.314	4.737.388.916	31.880	CT
11134	510.919.719	4.737.403.874	29.198	C
11135	510.921.291	4.737.405.595	29.164	CT
11136	510.930.411	4.737.409.003	28.291	CT
11137	510.944.145	4.737.414.416	27.807	CT
11138	510.941.758	4.737.420.591	27.938	CT
11139	510.942.614	4.737.421.090	27.110	PT
11140	510.945.508	4.737.414.186	26.710	PT
11141	510.940.477	4.737.411.488	27.099	PT
11142	510.930.694	4.737.408.431	27.790	PT
11143	510.866.709	4.737.303.936	33.322	E
11144	510.820.807	4.737.318.413	30.507	R
11145	510.813.714	4.737.323.291	30.927	R
11146	510.809.267	4.737.328.050	31.316	R
11147	510.805.285	4.737.335.232	32.297	R
11148	510.803.306	4.737.341.002	33.208	R
11149	510.903.210	4.737.222.455	23.382	R
11151	510.904.847	4.737.081.646	22.255	MU
11152	510.900.999	4.737.085.569	21.975	MU
11153	510.899.602	4.737.088.141	21.725	MU
11154	510.895.405	4.737.098.443	20.436	MU
11155	510.890.859	4.737.110.640	19.008	MU
11156	510.888.788	4.737.117.487	18.401	MU
11157	510.887.689	4.737.121.561	17.933	MU
11158	510.885.089	4.737.126.021	17.474	MU
11159	510.898.608	4.737.138.568	17.465	MU
11160	510.908.307	4.737.144.939	17.788	E
11161	511.364.044	4.737.886.087	69.207	CAM
11162	511.363.690	4.737.885.613	69.193	CAM
11163	511.369.714	4.737.882.743	68.834	CAM
11164	511.377.259	4.737.878.000	68.506	CAM
11165	511.388.204	4.737.874.433	67.936	CAM
11166	511.387.875	4.737.873.039	68.008	CAM
11167	511.383.242	4.737.873.757	68.148	CAM
11168	511.383.458	4.737.875.012	68.155	CAM
11169	511.377.585	4.737.876.218	68.416	CAM
11170	511.370.791	4.737.880.361	68.884	CAM
11171	511.366.376	4.737.882.935	69.260	CAM
11172	511.362.949	4.737.884.042	69.207	CAM
11173	511.362.293	4.737.883.499	69.155	CAM
11174	511.361.226	4.737.881.846	69.214	CAM
11175	511.361.552	4.737.878.828	69.140	CAM
11176	511.364.719	4.737.874.961	68.905	CAM

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
11177	511.369.678	4.737.868.947	68.669	CAM
11178	511.372.931	4.737.862.871	68.523	CAM
11179	511.373.809	4.737.859.126	68.272	CAM
11180	511.371.930	4.737.858.771	68.219	CAM
11181	511.370.979	4.737.862.065	68.401	CAM
11182	511.368.632	4.737.866.665	68.661	CAM
11183	511.365.269	4.737.871.158	68.748	CAM
11184	511.356.438	4.737.884.529	69.062	CAM
11185	511.351.451	4.737.886.455	69.204	CAM
11186	511.346.522	4.737.888.419	69.276	CAM
11187	511.341.927	4.737.889.639	69.346	CAM
11188	511.337.226	4.737.891.006	69.453	CAM
11189	511.334.490	4.737.892.374	69.608	CAM
11190	511.331.489	4.737.894.002	69.682	CAM
11191	511.328.308	4.737.894.917	69.613	CAM
11192	511.326.760	4.737.895.424	69.420	CAM
11193	511.324.866	4.737.895.787	69.127	CAM
11194	511.324.980	4.737.896.710	69.316	CAM
11195	511.326.566	4.737.896.174	69.565	CAM
11196	511.328.928	4.737.895.898	69.719	CAM
11197	511.331.934	4.737.895.670	69.763	CAM
11198	511.335.332	4.737.894.281	69.656	CAM
11199	511.339.104	4.737.892.534	69.526	CAM
11200	511.342.740	4.737.891.504	69.432	CAM
11201	511.348.511	4.737.889.848	69.255	CAM
11202	511.354.883	4.737.887.504	69.185	CAM
11203	511.358.435	4.737.886.411	69.110	CAM
11204	511.359.724	4.737.886.092	69.130	CAM
11205	511.360.813	4.737.886.850	69.124	CAM
11206	511.363.752	4.737.891.047	69.425	MU-E
11207	511.359.046	4.737.887.188	69.298	MU-E
11208	511.355.076	4.737.888.634	69.256	MU-L
11209	511.349.627	4.737.890.595	69.276	MU-L
11210	511.345.029	4.737.892.379	69.484	MU-E
11211	511.342.018	4.737.893.391	69.547	MU-E
11212	511.338.896	4.737.894.536	69.670	MU-E
11213	511.336.132	4.737.895.568	69.834	MU-E
11214	511.333.548	4.737.896.478	69.782	MU-E
11215	511.332.669	4.737.896.830	69.852	MU-E
11216	511.326.928	4.737.897.660	69.898	MU-E
11217	511.328.867	4.737.899.772	69.901	MU-E
11218	511.309.831	4.737.909.197	69.402	REG
11219	511.317.433	4.737.901.390	67.867	REG
11220	511.324.826	4.737.894.754	69.002	CT
11221	511.331.133	4.737.892.119	69.381	CT
11222	511.339.519	4.737.888.297	69.338	CT
11223	511.346.397	4.737.886.301	69.197	CT
11224	511.356.964	4.737.884.025	69.227	C
11225	511.349.787	4.737.885.081	68.993	PT
11226	511.343.970	4.737.886.653	68.831	PT

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
11227	511.338.006	4.737.888.334	68.519	PT
11228	511.331.967	4.737.891.266	68.730	PT
11229	511.324.991	4.737.894.017	67.957	PT
11230	511.317.781	4.737.882.309	65.633	REG
11231	511.288.648	4.737.888.918	62.789	CAM
11232	511.288.551	4.737.886.991	62.532	CAM
11233	511.296.303	4.737.887.781	63.360	CAM
11234	511.296.513	4.737.885.669	63.120	CAM
11235	511.304.998	4.737.886.474	64.090	CAM
11236	511.305.054	4.737.884.614	63.959	CAM
11237	511.313.121	4.737.884.017	65.548	CAM
11238	511.313.803	4.737.885.776	65.779	CAM
11239	511.321.006	4.737.884.907	66.744	CAM
11240	511.321.011	4.737.883.378	66.756	CAM
11241	511.325.343	4.737.883.963	67.080	CAM
11242	511.325.064	4.737.882.334	67.277	CAM
11243	511.335.917	4.737.881.394	67.783	CAM
11244	511.335.872	4.737.880.074	67.902	CAM
11245	511.344.005	4.737.880.236	68.526	CAM
11246	511.344.273	4.737.878.456	68.504	CAM
11247	511.350.332	4.737.879.715	68.849	CAM
11248	511.350.903	4.737.877.781	68.820	CAM
11249	511.356.178	4.737.876.865	68.796	CAM
11250	511.359.873	4.737.876.341	68.707	CAM
11251	511.358.301	4.737.882.706	69.133	CAM
11252	511.355.560	4.737.881.043	68.894	CAM
11253	511.352.571	4.737.880.399	68.901	CAM
11254	511.362.415	4.737.851.794	67.663	R
11255	511.356.479	4.737.848.714	67.258	R
11256	511.350.507	4.737.844.312	66.692	R
11257	511.345.490	4.737.840.029	66.082	R
11258	511.336.823	4.737.834.515	65.101	R
11259	511.330.935	4.737.830.661	64.243	R
11260	511.329.040	4.737.829.900	63.922	CT
11261	511.327.115	4.737.831.402	63.839	CT
11262	511.327.302	4.737.837.305	64.719	CT
11263	511.327.447	4.737.842.009	65.180	CT
11264	511.326.731	4.737.852.719	66.032	CT
11265	511.325.101	4.737.862.173	66.395	CT
11266	511.323.835	4.737.868.389	66.849	CT
11267	511.322.284	4.737.875.856	66.903	CT
11268	511.321.357	4.737.882.245	66.921	C
11269	511.319.141	4.737.879.596	66.181	PT
11270	511.319.648	4.737.875.099	65.881	PT
11271	511.320.561	4.737.867.034	64.616	PT
11272	511.321.263	4.737.862.505	64.182	PT
11273	511.322.078	4.737.857.280	63.356	PT
11274	511.321.215	4.737.845.855	61.108	PT
11275	511.321.229	4.737.839.905	60.470	PT
11276	511.321.408	4.737.835.817	60.050	PT

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
11277	511.322.156	4.737.833.117	60.492	COBERTIZO
11278	511.322.490	4.737.827.308	61.727	COBERTIZO
11279	511.324.979	4.737.825.481	62.777	COBERTIZO
11280	511.318.050	4.737.833.082	58.113	COBERTIZO
11281	511.316.913	4.737.823.612	56.839	COBERTIZO
11282	511.320.573	4.737.836.840	59.930	CT
11283	511.320.361	4.737.843.112	60.722	CT
11284	511.320.376	4.737.850.378	61.942	CT
11285	511.320.562	4.737.860.864	63.729	CT
11286	511.319.772	4.737.866.131	64.398	CT
11287	511.318.724	4.737.874.778	65.702	CT
11288	511.318.593	4.737.880.633	66.086	CT
11289	511.319.019	4.737.883.359	66.372	CT
11290	511.291.654	4.737.895.873	65.977	CT
11291	511.297.503	4.737.894.064	66.155	CT
11292	511.306.025	4.737.890.683	66.391	CT
11293	511.314.296	4.737.887.740	66.796	CT
11294	511.317.817	4.737.886.809	66.743	CT
11295	511.319.859	4.737.885.210	66.643	CT
11296	511.281.423	4.737.879.991	60.715	R
11297	511.274.545	4.737.874.161	59.189	R
11298	511.270.827	4.737.871.661	58.685	R
11299	511.266.126	4.737.869.350	57.992	R
11300	511.287.493	4.737.871.506	59.015	R
11301	511.287.377	4.737.860.531	56.894	R
11302	511.287.162	4.737.838.381	52.240	R
11303	511.281.650	4.737.841.773	52.800	R
11304	511.286.152	4.737.830.333	50.724	R
11305	511.294.375	4.737.828.575	50.537	R
11306	511.263.964	4.737.804.165	45.131	REG
11307	511.271.347	4.737.802.324	44.406	REG
11308	511.274.746	4.737.795.827	42.828	REG-DES
11309	511.279.182	4.737.785.455	40.845	REG
11310	511.286.085	4.737.783.410	39.613	REG
11311	511.285.992	4.737.779.824	39.374	REG
11312	511.285.378	4.737.777.992	39.172	REG
11313	511.260.133	4.737.803.185	46.775	R
11314	511.258.082	4.737.797.648	47.196	R
11315	511.258.079	4.737.797.642	47.215	R
11316	511.210.930	4.737.793.998	58.853	R
11317	511.211.557	4.737.785.780	58.072	R
11318	511.211.969	4.737.774.375	56.926	R
11319	511.212.858	4.737.765.915	56.119	R
11320	511.213.863	4.737.760.598	55.588	R
11321	511.220.924	4.737.752.049	54.340	R
11322	511.229.640	4.737.745.272	52.951	R
11323	511.231.116	4.737.741.784	52.690	R
11324	511.220.806	4.737.749.481	54.473	R
11325	511.210.186	4.737.753.156	55.511	R
11326	511.196.601	4.737.757.688	56.404	R

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11327	511.190.656	4.737.762.135	56.880	R
11328	511.185.141	4.737.764.562	57.234	R
11330	511.186.750	4.737.777.810	58.142	R
11331	511.149.472	4.737.696.856	52.424	POSTE
11332	510.987.618	4.737.417.089	27.210	R
11333	510.985.269	4.737.424.232	27.315	R
11334	510.984.310	4.737.430.024	27.446	CAM
11335	510.983.451	4.737.432.830	27.510	CAM
11336	510.988.511	4.737.431.981	27.972	CAM
11337	510.988.680	4.737.433.541	28.053	CAM
11338	510.980.446	4.737.433.680	27.377	R
11339	510.974.689	4.737.434.891	27.155	R
11340	510.970.806	4.737.433.929	27.166	R
11341	510.965.122	4.737.435.439	27.182	R
11342	510.876.651	4.737.188.258	19.945	CT
11343	510.880.498	4.737.188.674	19.495	CT
11344	510.886.624	4.737.191.276	19.352	CT
11345	510.893.715	4.737.196.546	19.578	CT
11346	510.899.642	4.737.202.117	19.638	CT
11347	510.906.646	4.737.207.781	19.625	CT
11348	510.913.483	4.737.214.291	19.712	CT
11349	510.919.962	4.737.220.487	19.824	CT
11350	510.927.894	4.737.229.031	20.258	CT
11351	510.928.356	4.737.225.991	18.399	PT
11352	510.925.599	4.737.232.968	22.098	R
11353	510.910.706	4.737.222.286	21.839	R
11354	510.905.295	4.737.218.601	22.165	R
11355	510.898.305	4.737.213.688	22.258	R
11356	510.892.562	4.737.209.202	21.917	R
11357	510.885.609	4.737.204.038	21.412	R
11358	510.877.950	4.737.199.944	21.043	R
11359	510.870.886	4.737.196.602	20.750	R
11360	510.862.040	4.737.201.188	21.858	POSTE
11361	510.867.147	4.737.204.662	22.343	POSTE
11362	510.872.355	4.737.208.027	22.835	POSTE
11363	510.876.580	4.737.210.964	23.240	POSTE
11364	510.882.039	4.737.214.680	24.038	POSTE
11365	510.887.049	4.737.218.610	24.658	POSTE
11366	510.891.120	4.737.222.432	25.071	POSTE
11367	510.894.694	4.737.225.375	25.349	POSTE
11368	510.898.884	4.737.229.391	25.571	POSTE
11369	510.900.877	4.737.231.227	25.587	POSTE
11370	510.906.266	4.737.232.592	25.191	POSTE
11371	510.911.982	4.737.234.090	24.729	POSTE
11372	510.917.340	4.737.235.452	24.259	POSTE
11373	510.900.785	4.737.232.565	25.546	CAM
11374	510.896.771	4.737.228.604	25.511	CAM
11375	510.892.721	4.737.224.477	25.198	CAM
11376	510.890.201	4.737.226.551	25.240	CAM
11377	510.891.576	4.737.229.649	25.986	CAM

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11378	510.891.570	4.737.231.373	26.027	CAM
11379	510.892.245	4.737.232.050	26.017	H
11380	510.893.758	4.737.232.046	25.930	H
11381	510.896.213	4.737.232.033	25.773	H
11382	510.898.373	4.737.232.196	25.591	H
11383	510.887.755	4.737.220.191	24.779	CAM
11384	510.885.696	4.737.222.067	24.836	CAM
11385	510.878.910	4.737.217.229	23.988	CAM
11386	510.880.186	4.737.214.658	23.883	CAM
11387	510.873.244	4.737.209.682	23.043	CAM
11388	510.871.352	4.737.211.996	23.091	CAM
11389	510.864.709	4.737.207.378	22.327	CAM
11390	510.865.518	4.737.204.693	22.262	CAM
11391	510.858.117	4.737.199.124	21.863	CAM
11392	510.856.268	4.737.200.892	21.932	CAM
11393	510.856.542	4.737.202.377	21.952	MU
11394	510.867.759	4.737.210.034	22.751	MU
11395	510.873.448	4.737.214.141	23.351	MU
11396	510.881.370	4.737.219.621	24.301	MU
11397	510.883.716	4.737.221.362	24.501	MU-F
11398	510.891.576	4.737.229.927	26.005	C
11399	510.889.348	4.737.227.963	26.171	CT
11400	510.886.695	4.737.225.192	25.939	CT
11401	510.884.165	4.737.222.432	25.905	CT
11402	510.883.572	4.737.221.513	25.831	CIE-E
11403	510.878.241	4.737.217.754	25.638	CIE-L
11404	510.870.910	4.737.212.731	25.428	CIE-L
11405	510.863.285	4.737.207.606	25.323	CIE-L
11406	510.861.340	4.737.210.447	25.419	R
11407	510.860.162	4.737.216.189	25.470	R
11408	510.859.052	4.737.221.702	25.536	R
11409	510.857.872	4.737.227.858	25.594	R
11410	510.856.868	4.737.233.526	25.701	R
11411	510.855.770	4.737.238.865	25.778	R
11412	510.856.158	4.737.242.651	25.825	MU
11413	510.864.181	4.737.241.740	26.815	MU
11414	510.868.132	4.737.241.611	26.391	MU-E
11415	510.869.836	4.737.241.834	26.558	C
11416	510.868.161	4.737.241.829	26.751	CT
11417	510.867.490	4.737.243.297	26.754	MU-E
11418	510.866.877	4.737.242.114	26.620	MU
11419	510.859.855	4.737.242.888	26.475	MU
11420	510.853.285	4.737.243.520	26.288	MU
11421	510.852.466	4.737.245.837	26.296	R
11422	510.850.413	4.737.251.738	26.360	R
11423	510.847.383	4.737.259.904	26.475	R
11424	510.845.336	4.737.267.779	26.616	R
11425	510.842.665	4.737.274.869	26.732	R
11426	510.838.142	4.737.280.766	26.877	MU
11427	510.843.880	4.737.280.844	26.832	MU

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
11428	510.848.811	4.737.280.976	26.946	MU-E
11429	510.851.919	4.737.274.590	26.818	MU
11430	510.856.640	4.737.265.065	26.580	MU
11431	510.863.432	4.737.251.221	26.776	MU-E
11432	510.865.949	4.737.252.902	27.215	MU-E
11441	510.866.741	4.737.253.637	27.458	C
11442	510.865.798	4.737.253.220	28.073	CT
11443	510.863.544	4.737.252.130	27.958	CT
11444	510.862.953	4.737.253.035	27.915	MU
11445	510.859.172	4.737.260.597	28.266	MU
11446	510.856.651	4.737.265.838	28.690	MU
11447	510.853.236	4.737.272.785	29.097	MU
11448	510.849.303	4.737.281.026	29.380	MU-E
11449	510.853.118	4.737.281.578	29.339	MU-E
11450	510.852.796	4.737.281.829	28.759	DDT
11451	510.849.180	4.737.281.367	28.100	MU
11452	510.843.085	4.737.281.212	27.959	MU
11453	510.836.874	4.737.281.093	27.970	MU
11454	510.833.154	4.737.281.171	27.937	MU
11455	510.832.461	4.737.285.300	28.021	R
11456	510.831.021	4.737.293.163	28.589	R
11457	510.829.287	4.737.299.621	29.018	R
11458	510.827.082	4.737.307.288	29.504	R
11459	510.825.023	4.737.313.473	30.060	R
11460	510.823.441	4.737.318.326	30.443	R
11461	510.836.219	4.737.318.688	30.544	PT
11462	510.837.825	4.737.312.113	29.880	PT
11463	510.840.682	4.737.304.925	29.244	PT
11464	510.843.245	4.737.298.719	29.060	PT
11465	510.845.426	4.737.293.774	28.773	PT
11466	510.847.624	4.737.287.599	28.363	PT
11467	510.849.982	4.737.282.521	28.248	C
11468	510.853.023	4.737.281.633	29.353	ODT
11469	510.852.874	4.737.282.269	29.392	ODT
11470	510.851.862	4.737.284.000	29.455	CT
11471	510.849.239	4.737.289.770	29.822	CT
11472	510.846.328	4.737.296.102	30.033	CT
11473	510.843.216	4.737.304.158	30.654	CT
11474	510.840.145	4.737.311.562	31.212	CT
11475	510.838.307	4.737.317.589	31.513	CT
11476	510.836.720	4.737.322.404	31.737	CT
11477	510.834.089	4.737.330.712	32.296	CT
11478	510.831.355	4.737.337.508	32.652	CT
11479	510.830.249	4.737.340.067	32.868	C
11480	510.831.074	4.737.337.869	32.488	PT
11481	510.832.810	4.737.332.827	32.182	PT
11482	510.834.306	4.737.327.810	31.605	PT
11483	510.835.186	4.737.321.613	30.872	PT
11484	510.826.174	4.737.321.641	30.723	R
11485	510.823.121	4.737.327.469	30.922	R

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
11486	510.820.425	4.737.333.464	31.722	R
11487	510.816.770	4.737.333.415	31.753	R
11488	510.812.727	4.737.335.359	31.970	R
11489	510.808.489	4.737.335.481	32.104	R
11490	510.803.158	4.737.338.472	32.863	R
11493	510.791.684	4.737.339.340	35.575	A
11494	510.797.790	4.737.344.801	34.934	A
11495	510.800.644	4.737.347.353	34.770	A
11496	510.807.284	4.737.350.153	34.422	A
11497	510.815.123	4.737.350.600	34.072	A
11498	510.824.159	4.737.347.372	33.484	A
11499	510.830.356	4.737.340.300	32.910	A
11500	510.833.635	4.737.332.755	32.543	A
11502	510.837.053	4.737.322.894	31.911	ENT
11503	510.836.078	4.737.322.064	31.468	ENT
11504	510.834.422	4.737.321.325	30.725	ENT
11505	510.834.864	4.737.320.270	30.638	ENT
11506	510.835.810	4.737.320.764	30.947	ENT
11507	510.837.955	4.737.320.160	31.803	ENT
11508	510.838.710	4.737.318.539	31.686	A
11509	510.840.918	4.737.311.918	31.271	A
11510	510.844.267	4.737.303.179	30.664	A
11511	510.846.885	4.737.296.390	30.164	A
11512	510.849.879	4.737.289.367	29.768	A
11513	510.852.419	4.737.284.085	29.472	A
11514	510.853.721	4.737.280.668	29.223	A
11515	510.856.755	4.737.273.935	28.759	A
11518	510.850.059	4.737.280.472	29.539	JARD-H
11519	510.850.533	4.737.280.336	29.430	JARD-H
11520	510.858.411	4.737.266.468	29.055	JARD-H
11521	510.858.768	4.737.266.739	28.535	JARD-H
11522	510.859.218	4.737.268.864	28.482	A
11523	510.862.794	4.737.262.475	27.990	A
11524	510.865.817	4.737.256.831	27.620	A
11525	510.866.564	4.737.254.804	27.488	A
11526	510.866.633	4.737.253.323	27.354	A
11527	510.864.142	4.737.251.426	26.801	A
11528	510.866.082	4.737.247.467	26.708	A
11529	510.867.717	4.737.244.045	26.692	A
11530	510.868.589	4.737.243.187	26.725	A
11531	510.869.734	4.737.242.012	26.495	A
11532	510.868.996	4.737.241.081	26.197	A
11533	510.868.647	4.737.239.619	26.188	A
11534	510.866.159	4.737.238.202	26.019	A
11535	510.866.669	4.737.230.897	25.672	A
11536	510.870.328	4.737.227.328	25.661	A
11537	510.872.794	4.737.225.520	25.647	A
11538	510.877.768	4.737.227.280	25.901	A
11539	510.882.938	4.737.223.300	25.856	A
11540	510.889.812	4.737.229.544	26.107	A

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11541	510.892.124	4.737.231.984	25.975	A
11542	510.894.612	4.737.232.113	25.840	A
11543	510.898.766	4.737.232.202	25.566	A
11544	510.902.133	4.737.233.134	25.432	A
11545	510.908.137	4.737.235.138	24.908	A
11546	510.907.860	4.737.235.105	24.991	A
11547	510.917.850	4.737.238.275	24.140	A
11548	510.917.684	4.737.238.383	24.200	LB
11549	510.916.872	4.737.241.230	24.382	LB
11550	510.915.543	4.737.244.233	24.701	LB
11551	510.915.313	4.737.244.670	24.743	CU
11552	510.915.292	4.737.245.002	24.495	CU
11553	510.915.056	4.737.245.302	24.658	CU
11554	510.914.743	4.737.246.682	24.773	PT
11559	510.903.105	4.737.243.409	25.047	PT
11560	510.903.350	4.737.241.889	24.957	CU
11561	510.903.422	4.737.241.538	24.773	CU
11562	510.903.466	4.737.241.407	24.965	CU
11563	510.903.573	4.737.241.170	24.988	LB
11564	510.904.521	4.737.237.957	25.133	LB
11565	510.905.128	4.737.235.360	25.172	LB
11566	510.901.458	4.737.233.684	25.524	LB-DIS
11567	510.895.988	4.737.233.174	25.922	LB-DIS
11568	510.889.848	4.737.233.854	26.198	LB-DIS
11569	510.884.464	4.737.235.916	26.425	LB-DIS
11570	510.880.086	4.737.238.702	26.680	LB-DIS
11571	510.876.188	4.737.242.436	26.935	LB-DIS
11572	510.873.009	4.737.246.087	27.088	LB-DIS
11573	510.869.081	4.737.252.335	27.407	LB-DIS
11574	510.871.717	4.737.254.175	27.482	LB-DIS-I
11575	510.875.300	4.737.248.606	27.091	LB-DIS-I
11576	510.878.891	4.737.244.286	26.751	LB-DIS-I
11577	510.882.361	4.737.241.122	26.458	LB-DIS-I
11578	510.886.508	4.737.238.530	26.157	LB-DIS-I
11579	510.890.809	4.737.236.907	25.932	LB-DIS-I
11580	510.893.898	4.737.236.365	25.786	LB-DIS-I
11581	510.899.322	4.737.236.424	25.452	LB-DIS-I
11582	510.899.143	4.737.239.910	25.174	LB
11583	510.899.126	4.737.240.117	25.119	CU
11584	510.899.113	4.737.240.326	24.924	CU
11585	510.898.982	4.737.240.663	25.104	CU
11586	510.898.630	4.737.242.724	25.234	PT
11587	510.896.115	4.737.239.996	25.266	CU
11588	510.896.118	4.737.240.229	24.989	CU
11589	510.896.139	4.737.240.615	25.268	CU
11590	510.895.925	4.737.239.872	25.284	ENT
11591	510.895.773	4.737.240.803	25.267	ENT
11592	510.894.928	4.737.242.610	25.499	ENT
11593	510.890.728	4.737.244.474	25.776	ENT
11594	510.889.308	4.737.242.994	25.812	ENT

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11595	510.886.720	4.737.243.572	26.008	CU
11596	510.886.539	4.737.243.065	25.734	CU
11597	510.886.548	4.737.242.987	25.989	CU
11600	510.890.280	4.737.246.574	25.969	MU-E
11601	510.891.883	4.737.246.481	26.252	MU-E
11602	510.895.204	4.737.244.476	26.010	MU-E
11603	510.895.525	4.737.239.569	25.334	LB-DIS
11604	510.892.017	4.737.239.969	25.548	LB-DIS
11605	510.887.348	4.737.241.948	25.930	LB-DIS
11606	510.896.644	4.737.242.572	25.339	PT
11607	510.896.063	4.737.242.927	25.726	PT
11608	510.888.830	4.737.244.633	25.889	PT
11609	510.886.218	4.737.246.208	26.246	PT
11610	510.881.931	4.737.249.907	26.699	PT
11611	510.880.504	4.737.249.363	26.681	CU
11612	510.880.253	4.737.249.154	26.497	CU
11613	510.879.927	4.737.248.809	26.658	CU
11614	510.878.602	4.737.249.789	26.870	LB
11615	510.874.771	4.737.255.353	27.355	LB
11616	510.875.011	4.737.255.918	27.309	CU
11617	510.875.192	4.737.256.096	27.110	CU
11618	510.875.602	4.737.256.455	27.313	CU
11619	510.876.755	4.737.257.033	27.360	PT
11620	510.876.544	4.737.258.599	27.642	MU-E
11621	510.870.565	4.737.268.526	28.239	MU-E
11623	510.869.378	4.737.267.424	28.106	CU
11624	510.868.981	4.737.267.180	27.899	CU
11625	510.868.836	4.737.267.048	28.086	CU
11626	510.868.518	4.737.267.092	28.097	LB
11627	510.865.556	4.737.265.372	28.222	LB
11628	510.862.650	4.737.263.854	28.169	LB-DIS
11629	510.857.278	4.737.274.133	28.966	LB-DIS
11630	510.860.023	4.737.275.679	28.973	LB
11631	510.862.732	4.737.277.618	28.889	LB
11632	510.863.249	4.737.277.899	28.871	CU
11633	510.863.459	4.737.277.935	28.682	CU
11634	510.863.740	4.737.278.224	28.850	CU
11635	510.864.840	4.737.279.316	28.863	PT
11637	510.860.650	4.737.289.034	29.523	PT
11638	510.861.927	4.737.289.825	29.735	PT
11639	510.863.359	4.737.290.358	29.757	MU-E
11640	510.864.868	4.737.291.531	30.060	MU-E
11641	510.860.939	4.737.301.728	30.496	MU-E
11642	510.858.405	4.737.301.335	30.499	MU-E
11643	510.856.972	4.737.301.844	30.413	MU-E
11644	510.856.014	4.737.301.547	30.397	PT
11645	510.854.080	4.737.303.172	30.575	PT
11646	510.853.238	4.737.306.069	30.848	PT
11647	510.853.424	4.737.301.434	30.405	H
11648	510.854.160	4.737.300.705	30.409	H

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11649	510.855.798	4.737.300.856	30.407	H
11650	510.859.817	4.737.289.034	29.641	H
11651	510.859.109	4.737.288.705	29.502	H
11652	510.859.011	4.737.288.653	29.511	CU
11653	510.858.550	4.737.288.533	29.317	CU
11654	510.858.370	4.737.288.382	29.528	CU
11655	510.857.864	4.737.288.262	29.617	LB
11656	510.854.996	4.737.286.562	29.675	LB
11657	510.852.298	4.737.284.711	29.629	LB
11658	510.854.739	4.737.279.466	29.217	LB-DIS-I
11659	510.853.358	4.737.290.472	29.855	LB-DIS-I
11660	510.851.099	4.737.295.436	30.202	LB-DIS-I
11661	510.852.937	4.737.298.718	30.256	LB-DIS-I
11662	510.855.676	4.737.292.885	29.893	LB-DIS-I
11663	510.856.669	4.737.291.967	29.892	CU
11664	510.857.009	4.737.292.084	29.555	CU
11665	510.857.376	4.737.292.244	29.855	CU
11666	510.856.735	4.737.292.193	29.851	ODL
11667	510.857.185	4.737.292.337	29.881	ODL
11668	510.853.485	4.737.301.119	30.416	ODL
11669	510.852.998	4.737.300.945	30.378	ODL
11670	510.853.466	4.737.301.453	30.467	CU
11671	510.852.968	4.737.301.400	30.186	CU
11672	510.852.731	4.737.301.224	30.415	CU
11673	510.852.276	4.737.301.248	30.401	LB
11674	510.849.309	4.737.300.121	30.479	LB
11675	510.846.266	4.737.299.192	30.313	LB
11676	510.842.207	4.737.309.218	31.084	LB
11677	510.844.971	4.737.310.996	31.158	LB
11678	510.847.673	4.737.312.332	31.184	LB
11679	510.848.066	4.737.312.677	31.136	CU
11680	510.848.273	4.737.312.827	30.877	CU
11681	510.848.526	4.737.312.907	31.109	CU
11682	510.850.080	4.737.313.965	31.202	PT
11683	510.844.833	4.737.329.792	32.392	PT
11684	510.836.458	4.737.326.395	32.128	LB
11685	510.839.462	4.737.327.331	32.302	LB
11686	510.842.335	4.737.329.360	32.391	LB
11687	510.842.422	4.737.329.489	32.376	CU
11688	510.842.973	4.737.329.715	32.173	CU
11689	510.843.437	4.737.329.809	32.401	CU
11690	510.831.364	4.737.339.632	32.994	LB
11691	510.836.803	4.737.343.840	33.645	LB-DIS-I
11692	510.834.468	4.737.347.411	33.844	LB-DIS-I
11693	510.833.701	4.737.348.804	33.952	CU
11694	510.833.956	4.737.349.144	33.610	CU
11695	510.834.259	4.737.349.430	33.852	CU
11696	510.837.042	4.737.343.879	33.555	CU
11697	510.837.350	4.737.344.085	33.257	CU
11698	510.837.698	4.737.344.352	33.525	CU

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11699	510.838.640	4.737.345.793	33.778	PT
11700	510.829.089	4.737.355.938	34.320	PT
11701	510.828.314	4.737.354.606	34.312	CU
11702	510.828.220	4.737.354.173	34.129	CU
11703	510.828.046	4.737.353.917	34.349	CU
11704	510.827.641	4.737.353.533	34.306	LB
11705	510.826.117	4.737.350.616	33.843	LB
11706	510.824.322	4.737.347.715	33.518	LB
11707	510.815.427	4.737.351.074	34.098	LB
11708	510.815.198	4.737.353.978	34.301	LB
11709	510.814.547	4.737.357.376	34.612	LB
11710	510.814.804	4.737.357.648	34.635	CU
11711	510.814.800	4.737.357.863	34.425	CU
11712	510.814.778	4.737.358.372	34.606	CU
11713	510.814.673	4.737.359.459	34.654	PT
11714	510.805.390	4.737.358.646	34.839	PT
11715	510.805.512	4.737.357.439	34.823	CU
11716	510.805.454	4.737.357.064	34.663	CU
11717	510.805.592	4.737.356.832	34.884	CU
11718	510.805.582	4.737.356.316	34.890	LB
11719	510.806.472	4.737.353.323	34.655	LB
11720	510.807.219	4.737.350.457	34.471	LB
11721	510.800.478	4.737.347.637	34.807	LB
11722	510.798.925	4.737.350.180	34.995	LB
11723	510.796.940	4.737.352.808	35.237	LB-DIS-I
11724	510.789.521	4.737.347.047	35.724	LB-DIS-I
11725	510.796.962	4.737.353.457	35.241	CU
11726	510.796.842	4.737.353.751	34.801	CU
11727	510.796.428	4.737.354.248	35.205	CU
11728	510.796.135	4.737.355.782	35.305	C
11729	510.796.657	4.737.353.709	35.208	ENT
11730	510.796.358	4.737.354.809	35.248	ENT
11731	510.796.128	4.737.355.815	35.264	ENT
11732	510.795.916	4.737.356.083	35.302	CAM
11733	510.795.682	4.737.360.388	35.556	CAM
11734	510.795.286	4.737.373.858	36.767	CAM
11735	510.793.031	4.737.373.608	36.785	CAM
11736	510.792.475	4.737.369.001	36.369	CAM
11737	510.792.079	4.737.362.752	36.082	CAM
11738	510.792.189	4.737.357.914	35.743	CAM
11739	510.792.176	4.737.355.367	35.905	CAM
11740	510.792.016	4.737.355.190	35.894	H
11741	510.790.998	4.737.355.835	36.238	H
11742	510.794.220	4.737.353.389	35.383	H
11743	510.792.839	4.737.352.120	35.348	H
11744	510.788.218	4.737.349.708	35.887	H
11745	510.787.577	4.737.351.811	36.106	H
11746	510.786.574	4.737.353.249	36.363	H
11747	510.785.597	4.737.347.416	35.817	PT
11748	510.786.918	4.737.346.124	35.773	CU

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
11749	510.787.119	4.737.345.822	35.379	CU
11750	510.787.603	4.737.345.643	35.758	CU
11751	510.787.758	4.737.345.413	35.794	LB
11752	510.789.947	4.737.343.079	35.663	LB
11753	510.792.706	4.737.341.018	35.451	LB
11755	510.787.125	4.737.346.405	35.830	ENT
11756	510.787.710	4.737.348.378	35.804	ENT
11765	510.797.969	4.737.357.211	35.330	CT
11766	510.805.460	4.737.359.274	35.045	CT
11767	510.813.269	4.737.360.120	34.918	CT
11768	510.821.705	4.737.359.483	34.828	CT
11769	510.828.238	4.737.357.512	34.747	CT
11770	510.832.546	4.737.355.260	34.755	CT
11771	510.844.623	4.737.333.116	33.774	CT
11772	510.856.162	4.737.301.999	32.766	CT
11773	510.858.387	4.737.301.719	32.747	CT
11774	510.860.808	4.737.301.886	32.918	CT
11775	510.864.991	4.737.291.505	33.067	CT
11776	510.863.465	4.737.290.370	33.055	CT
11777	510.861.202	4.737.289.352	32.219	CT
11778	510.865.267	4.737.279.534	31.032	CT
11779	510.870.724	4.737.269.562	29.657	CT
11780	510.870.932	4.737.268.467	29.420	MU-CA
11781	510.874.210	4.737.262.404	28.999	MU-CA
11782	510.877.061	4.737.257.925	28.649	MU-CA
11783	510.879.515	4.737.255.895	28.711	CT
11784	510.884.804	4.737.248.469	28.221	CT
11785	510.888.884	4.737.245.208	28.092	CT
11786	510.890.313	4.737.246.635	27.898	CT
11787	510.891.884	4.737.246.739	28.999	CT
11788	510.893.294	4.737.248.995	29.026	CT
11789	510.896.605	4.737.246.550	28.320	CT
11790	510.895.572	4.737.244.864	28.178	CT
11791	510.896.258	4.737.242.985	27.779	CT
11792	510.899.322	4.737.242.906	27.875	CT
11793	510.904.625	4.737.244.420	27.923	CT
11794	510.914.069	4.737.247.654	27.696	CT
11795	510.898.358	4.737.249.876	27.679	MU-E
11796	510.898.218	4.737.249.595	28.235	MU-E
11797	510.898.318	4.737.256.529	28.044	MU
11798	510.901.411	4.737.253.704	28.056	R
11799	510.905.123	4.737.251.027	28.086	R
11800	510.908.854	4.737.249.050	27.974	R
11801	510.911.777	4.737.250.634	28.079	R
11803	510.797.032	4.737.372.947	36.452	R
11804	510.803.040	4.737.373.418	35.880	R
11805	510.813.158	4.737.374.598	35.556	R
11806	510.820.520	4.737.375.914	35.445	R
11807	510.829.357	4.737.376.456	35.693	R
11808	510.844.433	4.737.380.294	36.424	R

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
11809	510.856.524	4.737.386.979	37.599	R
11810	510.894.016	4.737.327.888	34.687	R
11811	510.888.093	4.737.337.430	35.114	R
11812	510.880.046	4.737.350.426	35.495	R
11813	510.875.498	4.737.360.314	35.779	R
11814	510.874.640	4.737.370.697	36.427	R
11815	510.876.580	4.737.373.974	36.382	CAM
11816	510.877.476	4.737.376.120	36.435	CAM
11817	510.873.087	4.737.378.999	37.037	CAM
11818	510.870.981	4.737.377.737	36.913	CAM
11819	510.868.329	4.737.378.799	36.744	CAM
11820	510.871.750	4.737.380.238	36.695	CAM
11821	510.871.852	4.737.381.878	36.548	CAM
11822	510.886.003	4.737.382.352	35.664	CAM
11823	510.886.360	4.737.380.602	35.615	CAM
11824	510.886.429	4.737.380.313	36.127	CT
11825	510.886.138	4.737.382.845	35.996	CT
11826	510.874.961	4.737.382.846	36.921	CT
11827	510.866.227	4.737.378.698	36.711	C
11828	510.865.393	4.737.380.370	36.801	C
11829	510.863.486	4.737.381.789	37.081	C
11830	510.865.740	4.737.383.315	37.144	C
11831	510.865.033	4.737.385.088	37.221	C
11832	510.936.479	4.737.410.789	27.553	R
11833	510.939.342	4.737.400.064	27.115	R
11834	510.942.541	4.737.385.397	26.754	R
11835	510.993.054	4.737.124.451	27.761	R
11836	510.987.235	4.737.119.087	27.739	R
11837	510.981.754	4.737.115.076	27.674	R
11838	510.976.520	4.737.111.714	27.469	R
11839	510.972.752	4.737.108.726	27.309	R
11840	510.967.766	4.737.104.882	26.963	R
11841	510.970.310	4.737.099.622	27.195	R
11842	510.972.862	4.737.094.487	27.322	R
11843	510.975.305	4.737.088.466	27.451	R
11844	510.977.813	4.737.082.337	27.476	R
11845	510.980.547	4.737.076.993	27.616	R
11846	510.983.183	4.737.071.693	27.644	R
11847	510.985.119	4.737.061.881	27.341	R
11848	510.986.073	4.737.055.648	27.022	R
11849	510.987.207	4.737.049.273	26.743	R
11850	510.988.208	4.737.043.285	26.349	R
11851	510.987.647	4.737.036.944	26.021	R
11852	510.987.297	4.737.032.337	25.745	R
11853	510.999.498	4.737.005.941	20.867	R
11854	511.002.035	4.737.000.810	20.617	R
11855	511.004.187	4.736.995.515	20.391	R
11856	511.006.173	4.736.989.591	20.164	R
11857	511.007.920	4.736.985.520	20.009	R
11858	511.009.199	4.736.982.603	19.989	R

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11859	511.011.307	4.736.978.064	19.859	R
11860	511.013.110	4.736.974.099	19.817	R
11861	511.014.317	4.736.970.121	19.678	R
11862	511.015.829	4.736.965.824	19.713	R
11863	511.017.241	4.736.961.498	19.722	R
11864	511.018.574	4.736.956.362	19.803	R
11865	511.020.058	4.736.951.484	19.790	R
11866	511.022.731	4.736.945.432	19.954	R
11867	511.032.246	4.736.951.061	20.100	REG
11868	511.011.072	4.736.942.962	19.420	REG
11869	511.019.607	4.736.916.346	20.246	CAM
11870	511.017.272	4.736.922.405	20.193	CAM
11871	511.015.168	4.736.927.615	20.167	CAM
11872	511.013.833	4.736.931.528	20.159	CAM
11873	511.014.495	4.736.931.974	18.960	ODT
11874	511.011.898	4.736.936.928	20.178	CAM
11875	511.009.635	4.736.941.800	20.175	CAM
11876	511.007.834	4.736.946.347	20.189	CAM
11877	511.005.302	4.736.952.222	20.256	CAM
11878	511.002.975	4.736.958.227	20.356	CAM
11879	511.000.721	4.736.964.258	20.521	CAM
11880	510.998.269	4.736.970.347	20.650	CAM
11881	510.995.973	4.736.976.013	20.772	CAM
11882	510.993.707	4.736.981.833	20.918	CAM
11883	510.993.201	4.736.983.556	20.958	ENT
11884	510.993.897	4.736.985.439	20.722	ENT
11885	510.994.605	4.736.988.131	20.550	ENT
11886	510.995.171	4.736.989.298	20.481	ENT
11887	510.997.332	4.736.991.310	20.172	ENT
11888	510.996.119	4.736.994.685	20.299	ENT
11889	510.994.594	4.736.993.132	20.531	ENT
11890	510.993.340	4.736.991.935	20.687	ENT
11891	510.992.177	4.736.991.834	20.842	ENT
11892	510.989.673	4.736.992.472	21.279	ENT
11893	510.987.371	4.736.997.581	21.444	CAM
11894	510.984.712	4.737.003.667	21.786	CAM
11895	510.982.401	4.737.009.331	22.103	CAM
11896	510.980.157	4.737.014.959	22.390	CAM
11897	510.978.057	4.737.020.681	22.791	CAM
11898	510.975.764	4.737.026.308	23.078	CAM
11899	510.973.660	4.737.031.864	23.387	CAM
11900	510.971.629	4.737.037.037	23.654	CAM
11901	510.969.271	4.737.042.729	23.918	CAM
11902	510.969.622	4.737.043.975	23.971	ENT
11903	510.970.582	4.737.045.384	23.817	ENT
11904	510.973.183	4.737.045.627	24.695	ENT
11905	510.975.486	4.737.047.000	25.352	ENT
11906	510.977.413	4.737.047.955	25.637	ENT
11907	510.978.928	4.737.048.479	25.975	ENT
11908	510.979.170	4.737.050.773	26.262	ENT

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11909	510.976.459	4.737.049.799	25.659	ENT
11910	510.973.816	4.737.048.844	25.097	ENT
11911	510.971.590	4.737.048.086	24.456	ENT
11912	510.970.450	4.737.047.439	24.095	ENT
11913	510.967.598	4.737.047.273	24.110	ENT
11914	510.965.507	4.737.052.220	24.301	CAM
11915	510.963.146	4.737.058.017	24.556	CAM
11916	510.960.937	4.737.063.815	24.741	CAM
11917	510.958.820	4.737.069.393	24.879	CAM
11918	510.956.825	4.737.074.862	25.030	CAM
11919	510.954.596	4.737.080.454	25.118	CAM
11920	510.952.742	4.737.085.553	25.204	CAM
11921	510.952.179	4.737.088.221	25.221	CAM
11922	510.951.263	4.737.091.336	25.232	CAM
11923	510.950.933	4.737.094.389	25.275	CAM
11924	510.951.147	4.737.098.043	25.273	CAM
11925	510.952.178	4.737.102.184	25.441	CAM
11926	510.953.642	4.737.105.436	25.525	CAM
11927	510.954.910	4.737.107.961	25.563	CAM
11928	510.957.289	4.737.111.563	25.634	CAM
11929	510.958.757	4.737.113.405	25.701	A
11930	510.962.487	4.737.116.870	25.707	A
11931	510.967.229	4.737.121.180	25.694	A
11932	510.970.796	4.737.124.398	25.691	A
11933	510.979.289	4.737.132.413	25.642	A
11934	510.982.190	4.737.135.147	25.619	A
11935	510.983.120	4.737.134.805	25.355	PT
11936	510.978.787	4.737.130.758	25.433	PT
11937	510.974.432	4.737.126.653	25.469	PT
11938	510.970.352	4.737.122.877	25.499	PT
11939	510.966.312	4.737.119.245	25.483	PT
11940	510.962.006	4.737.115.263	25.480	PT
11941	510.958.543	4.737.111.074	25.314	PT
11942	510.955.125	4.737.106.030	25.171	PT
11943	510.953.108	4.737.101.520	25.067	PT
11944	510.952.035	4.737.097.739	25.070	PT
11945	510.952.037	4.737.092.966	24.815	PT
11946	510.953.292	4.737.087.847	24.793	PT
11947	510.955.528	4.737.082.360	24.631	PT
11948	510.957.605	4.737.076.982	24.460	PT
11949	510.959.608	4.737.071.568	24.367	PT
11950	510.961.855	4.737.065.829	24.227	PT
11951	510.964.400	4.737.059.953	24.055	PT
11952	510.966.626	4.737.054.302	23.915	PT
11953	510.968.372	4.737.050.098	23.816	PT
11954	510.969.049	4.737.048.151	23.718	PT
11955	510.971.091	4.737.043.168	23.503	PT
11956	510.972.464	4.737.039.165	23.366	PT
11957	510.974.442	4.737.033.968	23.112	PT
11958	510.976.582	4.737.028.784	22.812	PT

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11959	510.977.552	4.737.026.427	22.629	PT
11960	510.975.892	4.737.025.777	23.072	ENT
11961	510.977.286	4.737.025.500	22.951	ENT
11962	510.978.381	4.737.025.484	23.144	ENT
11963	510.981.114	4.737.026.455	23.603	ENT
11964	510.986.489	4.737.026.902	24.061	ENT
11965	510.991.094	4.737.026.367	24.251	ENT
11966	510.991.746	4.737.021.603	23.912	ENT
11967	510.987.595	4.737.021.511	23.581	ENT
11968	510.982.593	4.737.021.677	23.050	ENT
11969	510.980.530	4.737.021.979	22.964	ENT
11970	510.978.975	4.737.021.661	22.732	ENT
11971	510.978.282	4.737.020.682	22.755	ENT
11972	510.979.894	4.737.020.577	22.261	PT
11973	510.982.371	4.737.014.078	21.833	PT
11974	510.984.330	4.737.009.243	21.542	PT
11975	510.985.363	4.737.006.596	21.581	C
11976	510.996.931	4.737.012.374	21.140	PT
11977	510.993.679	4.737.012.959	21.061	PT
11978	510.990.842	4.737.013.492	21.102	PT
11979	510.989.271	4.737.013.807	21.045	PT
11980	510.988.660	4.737.011.961	20.645	PT
11981	510.989.133	4.737.009.336	20.550	PT
11982	510.988.776	4.737.007.543	20.547	PT
11983	510.987.747	4.737.005.957	20.727	PT
11984	510.989.398	4.737.001.906	20.429	PT
11985	510.991.078	4.736.997.978	20.255	PT
11986	510.992.024	4.736.994.468	20.245	PT
11987	510.994.262	4.736.994.476	20.129	PT
11988	510.996.680	4.736.994.958	20.314	PT
11989	510.998.226	4.736.992.491	20.177	PT
11990	510.996.804	4.736.989.911	20.124	PT
11991	510.995.910	4.736.987.624	19.982	PT
11992	510.995.578	4.736.984.541	19.834	PT
11993	510.996.944	4.736.981.150	19.718	PT
11994	510.998.008	4.736.977.863	19.552	PT
11995	511.000.193	4.736.972.565	19.615	PT
11996	511.001.934	4.736.967.578	19.745	PT
11997	511.003.613	4.736.962.039	19.628	PT
11998	511.005.668	4.736.956.528	19.585	PT
11999	511.007.760	4.736.950.948	19.524	PT
12000	511.009.787	4.736.945.801	19.609	PT
12001	511.010.471	4.736.943.798	19.418	PT
12002	511.010.620	4.736.940.963	20.078	CT
12003	511.008.461	4.736.945.996	20.182	CT
12004	511.005.990	4.736.952.537	20.254	CT
12005	511.003.506	4.736.959.005	20.354	CT
12006	511.001.160	4.736.964.676	20.491	CT
12007	510.998.787	4.736.970.896	20.614	CT
12008	510.996.302	4.736.976.924	20.709	CT

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12009	510.993.783	4.736.984.720	20.892	CT
12010	510.990.416	4.736.992.513	21.236	CT
12011	510.988.806	4.736.996.771	21.437	CT
12012	510.986.079	4.737.003.198	21.780	CT
12013	510.983.454	4.737.009.338	22.092	CT
12014	510.981.588	4.737.013.993	22.344	CT
12015	510.980.060	4.737.018.049	22.589	CT
12016	510.979.740	4.737.019.237	22.691	CT
12017	510.981.355	4.737.021.129	22.929	CT
12018	510.982.031	4.737.018.796	22.874	CT
12019	510.983.094	4.737.015.656	22.536	CT
12020	510.983.691	4.737.013.894	22.280	CT
12021	510.984.868	4.737.010.622	21.678	CT
12022	510.985.365	4.737.008.925	21.483	C
12023	510.986.193	4.737.009.401	21.733	CT
12024	510.986.608	4.737.012.583	21.982	CT
12025	510.987.492	4.737.014.922	22.406	CT
12026	510.988.089	4.737.015.983	23.149	CT
12027	510.991.647	4.737.016.393	23.353	CT
12028	510.976.633	4.737.027.019	23.115	CT
12029	510.974.648	4.737.032.022	23.386	CT
12030	510.972.080	4.737.038.251	23.684	CT
12031	510.969.276	4.737.045.195	23.980	CT
12032	510.966.917	4.737.050.961	24.216	CT
12033	510.964.606	4.737.057.128	24.452	CT
12034	510.962.138	4.737.063.003	24.658	CT
12035	510.959.735	4.737.069.037	24.816	CT
12036	510.957.532	4.737.074.766	24.934	CT
12037	510.955.550	4.737.079.901	24.985	CT
12038	510.953.701	4.737.084.783	25.101	CT
12039	510.985.191	4.737.129.956	27.477	CT
12040	510.981.808	4.737.127.322	27.497	CT
12041	510.978.625	4.737.124.613	27.494	CT
12042	510.975.503	4.737.122.994	26.927	CT
12043	510.972.101	4.737.122.294	26.665	CT
12044	510.974.900	4.737.125.082	26.593	CT
12045	510.978.579	4.737.128.501	26.627	CT
12046	510.982.337	4.737.131.818	26.526	CT
12047	510.985.079	4.737.134.352	26.312	CT
12048	510.969.811	4.737.119.946	26.762	CT
12049	510.966.165	4.737.116.995	26.732	CT
12050	510.963.483	4.737.114.538	26.566	CT
12051	510.960.648	4.737.110.811	26.522	CT
12052	510.958.191	4.737.107.843	26.626	CT
12053	510.956.865	4.737.105.539	26.680	CT
12054	510.955.609	4.737.103.537	26.581	CT
12055	510.953.524	4.737.097.821	26.360	CT
12056	510.953.462	4.737.092.140	26.167	CT
12057	510.954.921	4.737.087.273	26.178	CT
12058	510.957.506	4.737.081.538	26.221	CT

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12059	510.959.435	4.737.077.351	26.204	CT
12060	510.960.863	4.737.072.900	26.352	CT
12061	510.962.373	4.737.068.623	26.329	CT
12062	510.964.729	4.737.064.151	26.246	CT
12063	510.966.111	4.737.060.761	26.416	CT
12064	510.966.855	4.737.058.976	26.303	CT
12065	510.968.592	4.737.053.890	26.307	CT
12066	510.970.724	4.737.048.547	26.302	CT
12067	510.976.089	4.737.051.015	26.319	CT
12068	510.979.443	4.737.052.050	26.483	C
12069	510.980.581	4.737.048.162	26.183	C
12070	510.976.878	4.737.046.460	25.991	CT
12071	510.974.383	4.737.045.523	25.815	CT
12072	510.972.203	4.737.044.581	25.567	CT
12073	510.974.091	4.737.041.032	25.576	CT
12074	510.976.186	4.737.035.973	25.605	CT
12075	510.977.674	4.737.032.323	25.579	CT
12076	510.978.496	4.737.031.521	25.463	CT
12077	510.981.172	4.737.031.138	25.517	CT
12078	510.985.819	4.737.030.282	25.380	CT
12079	510.991.690	4.737.029.080	25.697	CT
12080	510.987.792	4.737.028.893	24.415	PT
12081	510.982.432	4.737.029.659	24.272	PT
12082	510.978.138	4.737.031.085	24.513	C
12083	510.979.682	4.737.026.061	23.408	CT
12084	510.973.283	4.737.024.380	22.985	CAM
12085	510.973.349	4.737.024.441	22.983	CAM
12086	510.975.909	4.737.017.803	22.604	CAM
12087	510.978.356	4.737.011.700	22.299	CAM
12088	510.980.458	4.737.006.382	21.959	CAM
12089	510.981.701	4.737.003.139	21.832	CAM
12090	510.981.709	4.737.002.947	21.831	ENT
12091	510.980.759	4.737.001.709	21.405	ENT
12092	510.978.966	4.737.000.324	21.016	ENT
12093	510.976.888	4.736.999.531	20.283	ENT
12094	510.974.538	4.736.997.060	19.939	ENT
12095	510.976.774	4.736.996.816	20.260	ENT
12096	510.979.800	4.736.996.565	20.917	ENT
12097	510.982.730	4.736.995.875	21.249	ENT
12098	510.984.852	4.736.995.260	21.458	ENT
12099	510.985.670	4.736.993.828	21.353	CAM
12100	510.988.041	4.736.988.178	21.165	CAM
12101	510.988.782	4.736.986.137	21.118	BIMB
12102	510.989.492	4.736.977.223	20.262	BIMB
12103	510.986.639	4.736.985.255	20.403	BIMB
12104	510.990.133	4.736.982.641	21.020	ENT
12105	510.989.573	4.736.981.434	20.859	ENT
12106	510.988.217	4.736.980.226	20.345	ENT
12107	510.984.958	4.736.979.925	19.518	ENT
12108	510.986.432	4.736.975.753	19.466	ENT

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12109	510.987.953	4.736.976.527	19.949	ENT
12110	510.989.494	4.736.977.572	20.370	ENT
12111	510.992.015	4.736.977.192	20.806	ENT
12112	510.996.333	4.736.979.218	20.221	BIMB
12113	510.991.432	4.736.979.595	20.892	CAM
12114	510.993.645	4.736.974.145	20.685	CAM
12115	510.996.066	4.736.968.446	20.426	CAM
12116	510.998.350	4.736.962.716	20.421	CAM
12117	511.000.559	4.736.956.911	20.345	CAM
12118	511.003.284	4.736.949.940	20.272	CAM
12119	511.005.565	4.736.944.017	20.148	CAM
12120	511.007.412	4.736.938.950	20.156	CAM
12121	511.009.514	4.736.933.168	20.130	CAM
12122	511.011.999	4.736.927.573	20.040	CAM
12123	511.014.168	4.736.921.656	20.146	CAM
12124	511.016.456	4.736.915.786	20.193	CAM
12125	511.009.478	4.736.929.657	19.004	ODT
12126	511.008.849	4.736.931.313	19.791	PT
12127	511.007.380	4.736.933.771	19.788	PT
12128	511.006.067	4.736.936.917	19.679	PT
12129	511.004.308	4.736.941.571	19.447	PT
12130	511.003.004	4.736.944.836	19.462	PT
12131	511.001.086	4.736.949.584	19.441	PT
12132	510.999.127	4.736.954.871	19.578	PT
12133	510.996.366	4.736.961.273	19.512	PT
12134	510.993.724	4.736.967.609	19.649	PT
12135	510.990.935	4.736.972.986	19.518	PT
12136	510.989.446	4.736.974.791	19.511	PT
12137	510.987.662	4.736.974.541	19.367	PT
12138	510.986.069	4.736.974.526	19.192	PT
12139	510.983.470	4.736.980.210	19.395	PT
12140	510.984.880	4.736.982.766	19.513	PT
12141	510.985.345	4.736.983.084	19.540	PT
12142	510.984.898	4.736.985.023	19.605	PT
12143	510.983.089	4.736.984.818	19.590	PT
12144	510.981.635	4.736.984.821	19.339	PT
12145	510.980.443	4.736.986.227	19.340	PT
12146	510.979.501	4.736.988.270	19.234	PT
12147	510.979.296	4.736.990.986	19.272	PT
12148	510.978.015	4.736.992.147	19.173	PT
12149	510.975.889	4.736.993.341	19.234	PT
12150	510.974.023	4.736.993.142	19.087	PT
12151	510.974.870	4.736.999.169	19.959	PT
12152	510.976.114	4.736.999.949	20.021	PT
12153	510.977.169	4.737.001.593	20.312	PT
12154	510.977.067	4.737.004.397	20.512	PT
12155	510.977.181	4.737.005.956	20.795	PT
12156	510.976.161	4.737.005.076	20.301	PT
12157	510.974.862	4.737.007.205	20.333	PT
12158	510.976.475	4.737.008.166	20.900	PT

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12159	510.974.239	4.737.010.037	20.541	PT
12160	510.975.856	4.737.010.384	21.212	MU
12161	510.977.601	4.737.005.122	20.813	MU
12162	510.960.252	4.737.021.527	20.562	PT
12163	510.962.041	4.737.024.237	22.085	CT
12164	510.966.449	4.737.023.340	21.115	PT
12165	510.968.214	4.737.023.445	21.100	PT
12166	510.969.881	4.737.022.065	21.158	PT
12167	510.971.474	4.737.019.030	21.132	PT
12168	510.972.851	4.737.015.573	20.901	PT
12169	510.974.178	4.737.011.707	20.764	PT
12170	510.968.705	4.737.027.248	23.313	CT
12171	510.971.243	4.737.026.997	23.078	CT
12172	510.973.196	4.737.022.343	22.817	CT
12173	510.972.303	4.737.021.256	22.363	CT
12174	510.974.632	4.737.015.067	22.274	CT
12175	510.975.798	4.737.015.514	22.456	CT
12176	510.977.665	4.737.010.926	22.205	CT
12177	510.976.622	4.737.010.522	22.013	CT
12178	510.978.557	4.737.005.621	21.647	CT
12179	510.979.539	4.737.005.718	21.893	CT
12180	510.980.108	4.737.001.260	21.373	CT
12181	510.980.783	4.737.002.254	21.671	CT
12182	510.982.045	4.736.999.833	21.536	CT
12183	510.982.822	4.736.997.350	21.414	CT
12184	510.983.972	4.736.994.641	21.280	CT
12185	510.981.250	4.736.994.584	21.036	CT
12186	510.982.206	4.736.993.240	20.921	CT
12187	510.983.296	4.736.991.392	20.768	CT
12188	510.985.761	4.736.990.034	21.064	CT
12189	510.985.188	4.736.987.432	20.591	CT
12190	510.986.973	4.736.986.911	21.045	CT
12191	510.988.212	4.736.985.036	21.013	C
12192	510.989.177	4.736.983.101	20.929	CT
12193	510.989.934	4.736.981.275	20.880	CT
12194	510.990.859	4.736.977.354	20.703	CT
12195	510.992.903	4.736.972.473	20.549	CT
12196	510.995.171	4.736.966.700	20.393	CT
12197	510.997.335	4.736.961.623	20.156	CT
12198	510.999.870	4.736.955.308	20.177	CT
12199	511.002.118	4.736.950.207	20.015	CT
12200	511.004.489	4.736.943.765	20.072	CT
12201	511.006.265	4.736.940.030	19.950	CT
12202	510.996.255	4.736.935.279	19.083	R
12203	510.994.010	4.736.941.285	19.074	R
12204	510.990.916	4.736.946.839	18.948	R
12205	510.987.663	4.736.953.056	18.807	R
12206	510.985.099	4.736.959.197	18.719	R
12207	510.982.048	4.736.965.935	18.655	R
12208	510.979.851	4.736.970.660	18.701	R

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12209	510.977.342	4.736.975.664	18.758	R
12210	510.975.328	4.736.980.918	18.612	R
12211	510.972.476	4.736.986.964	18.750	R
12212	510.970.546	4.736.991.611	18.764	R
12213	510.968.146	4.736.997.384	19.283	R
12214	510.965.798	4.737.002.652	19.504	R
12215	510.963.155	4.737.009.048	19.864	R
12216	510.960.488	4.737.014.699	20.076	R
12217	510.959.216	4.737.018.442	20.336	R
12218	510.971.101	4.737.027.812	23.173	CT
12219	510.969.575	4.737.031.867	23.377	CT
12220	510.967.358	4.737.032.450	23.254	CT
12221	510.968.861	4.737.033.685	23.477	CT
12222	510.967.402	4.737.038.588	23.708	CT
12223	510.964.863	4.737.044.723	24.011	CT
12224	510.962.499	4.737.050.516	24.258	CT
12225	510.960.354	4.737.056.152	24.483	CT
12226	510.957.975	4.737.061.684	24.664	CT
12227	510.955.530	4.737.067.618	24.836	CT
12228	510.953.180	4.737.073.212	24.919	CT
12229	510.950.829	4.737.079.187	25.105	CT
12230	510.948.328	4.737.084.299	25.152	CT
12231	510.944.849	4.737.088.782	25.085	CT
12232	510.944.173	4.737.089.054	25.046	ENT-H
12233	510.943.421	4.737.087.960	25.124	ENT-H
12234	510.940.194	4.737.089.055	25.018	ENT-H
12235	510.940.497	4.737.090.533	24.972	ENT-H
12236	510.939.129	4.737.091.241	24.864	CT
12237	510.935.426	4.737.090.079	24.642	CT
12238	510.930.771	4.737.085.894	24.211	CT
12239	510.926.198	4.737.081.735	23.712	CT
12240	510.922.325	4.737.078.254	23.326	CT
12241	510.918.268	4.737.074.496	22.941	CT
12242	510.915.173	4.737.071.770	22.659	CT
12243	510.913.049	4.737.069.807	22.463	CT
12244	510.913.280	4.737.068.873	22.491	CT
12245	510.914.886	4.737.069.094	23.249	CT
12246	510.919.971	4.737.073.345	23.683	CT
12247	510.924.936	4.737.077.609	24.121	CT
12248	510.929.550	4.737.081.740	24.758	CT
12249	510.932.989	4.737.084.639	24.930	CT
12250	510.936.900	4.737.087.851	25.247	CT
12251	510.938.738	4.737.088.722	25.149	CT
12252	510.942.866	4.737.086.961	25.381	CT
12253	510.946.404	4.737.082.572	25.679	CT
12254	510.948.327	4.737.078.619	25.646	CT
12255	510.950.884	4.737.073.243	25.786	CT
12256	510.952.555	4.737.068.124	25.748	CT
12257	510.954.766	4.737.062.078	25.679	CT
12258	510.956.735	4.737.056.385	25.643	CT

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12259	510.958.743	4.737.051.257	25.567	CT
12260	510.960.959	4.737.046.225	25.301	CT
12261	510.961.475	4.737.045.066	25.246	CT
12262	510.963.349	4.737.040.546	24.998	CT
12263	510.964.628	4.737.037.009	24.853	CT
12264	510.965.610	4.737.033.678	24.937	CT
12265	510.969.955	4.737.026.535	22.804	C
12266	510.969.933	4.737.027.467	22.753	PT
12267	510.969.141	4.737.030.478	22.930	PT
12268	510.967.500	4.737.034.940	22.998	PT
12269	510.964.895	4.737.041.188	23.421	PT
12270	510.962.770	4.737.046.277	23.612	PT
12271	510.960.549	4.737.051.703	23.777	PT
12272	510.958.055	4.737.057.967	24.122	PT
12273	510.955.655	4.737.063.910	24.248	PT
12274	510.953.309	4.737.070.567	24.439	PT
12275	510.951.088	4.737.076.155	24.440	PT
12276	510.948.370	4.737.082.493	24.573	PT
12277	510.945.795	4.737.086.493	24.539	PT
12278	510.943.733	4.737.088.206	24.679	PT
12279	510.940.248	4.737.090.050	24.596	PT
12280	510.937.535	4.737.090.163	24.450	PT
12281	510.934.161	4.737.088.171	24.219	PT
12282	510.929.490	4.737.083.840	23.741	PT
12283	510.924.984	4.737.079.629	23.266	PT
12284	510.919.571	4.737.075.094	22.843	PT
12285	510.915.722	4.737.071.638	22.501	PT
12286	510.912.981	4.737.069.245	22.004	PT
12287	510.921.807	4.737.061.882	23.568	R
12288	510.917.733	4.737.061.016	23.309	CT
12289	510.917.102	4.737.062.965	23.191	CT
12290	510.916.185	4.737.065.169	23.263	CT
12291	510.915.099	4.737.067.542	23.234	CT
12292	510.914.854	4.737.066.985	22.961	CIE
12293	510.916.506	4.737.062.313	22.508	MU
12294	510.918.017	4.737.058.696	22.080	MU
12295	510.918.515	4.737.058.785	23.227	CT
12296	510.922.822	4.737.062.249	23.478	R
12297	510.923.680	4.737.062.627	23.683	R
12298	510.929.160	4.737.066.592	24.233	R
12299	510.935.588	4.737.069.558	24.765	R
12300	510.938.633	4.737.064.018	24.756	R
12301	510.941.580	4.737.057.342	24.636	R
12302	510.945.075	4.737.051.295	24.523	R
12303	510.947.421	4.737.045.790	24.406	R
12304	510.948.100	4.737.044.092	24.319	R
12305	510.972.715	4.737.026.341	23.171	CAM
12306	510.970.562	4.737.032.173	23.330	CAM
12307	510.967.980	4.737.038.879	23.774	CAM
12308	510.965.479	4.737.044.913	23.999	CAM

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12309	510.962.989	4.737.050.931	24.352	CAM
12310	510.960.716	4.737.056.492	24.536	CAM
12311	510.958.415	4.737.062.113	24.687	CAM
12312	510.955.913	4.737.068.440	24.891	CAM
12313	510.953.397	4.737.074.333	24.984	CAM
12314	510.950.939	4.737.080.647	25.157	CAM
12315	510.948.228	4.737.086.110	25.255	CAM
12316	510.944.762	4.737.089.956	25.209	CAM
12317	510.941.912	4.737.091.259	25.113	CAM
12318	510.939.599	4.737.091.676	24.956	CAM
12319	510.936.597	4.737.091.111	24.681	CAM
12320	510.936.168	4.737.091.126	24.733	A
12321	510.937.421	4.737.092.552	24.849	A
12322	510.941.925	4.737.096.891	25.170	A
12323	510.947.774	4.737.102.562	25.551	A
12324	510.933.687	4.737.089.082	24.555	A
12325	510.928.155	4.737.084.052	24.064	A
12326	510.923.083	4.737.079.419	23.493	A
12327	510.918.235	4.737.074.960	23.027	A
12328	510.913.808	4.737.071.030	22.634	A
12329	510.911.592	4.737.069.049	22.506	A
12330	510.907.631	4.737.065.286	22.025	A
12331	510.902.935	4.737.061.233	21.599	A
12332	510.898.853	4.737.057.568	21.152	A
12333	510.894.403	4.737.053.135	20.699	A
12334	510.892.125	4.737.050.937	20.444	A
12335	510.887.426	4.737.046.571	19.929	A
12336	510.883.952	4.737.043.168	19.520	A
12338	510.881.796	4.737.045.608	19.579	A
12339	510.886.993	4.737.050.391	20.173	A
12340	510.892.111	4.737.055.260	20.698	A
12341	510.897.165	4.737.060.147	21.231	A
12342	510.901.574	4.737.064.300	21.568	A
12343	510.905.831	4.737.068.143	21.996	A
12344	510.911.922	4.737.073.343	22.643	A
12345	510.915.082	4.737.076.789	22.900	A
12346	510.914.036	4.737.076.154	22.865	ARQ-SAN
12347	510.912.918	4.737.075.984	22.265	ODL
12348	510.903.268	4.737.066.917	21.432	ODL
12351	510.917.458	4.737.079.343	23.142	A
12352	510.923.679	4.737.084.885	23.753	A
12353	510.930.125	4.737.091.153	24.384	A
12354	510.935.350	4.737.095.520	24.875	A
12355	510.940.360	4.737.100.226	25.238	A
12356	510.944.921	4.737.104.433	25.454	A
12358	510.948.962	4.737.108.226	25.599	A
12359	510.952.738	4.737.111.999	25.552	A
12360	510.957.675	4.737.116.671	25.759	A
12361	510.962.673	4.737.121.508	25.663	A
12362	510.966.368	4.737.125.569	25.639	A

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12363	510.966.414	4.737.125.190	25.729	RQ-SAN
12364	510.970.038	4.737.129.337	25.648	A
12365	510.973.676	4.737.132.793	25.662	A
12366	510.978.079	4.737.136.539	25.626	A
12367	510.981.874	4.737.139.820	25.625	A
12368	510.977.108	4.737.137.504	25.493	ODL
12372	510.992.334	4.737.144.896	25.516	A
12374	510.989.779	4.737.142.284	25.636	ENT-H
12375	510.990.549	4.737.141.129	25.921	ENT-H
12376	510.988.406	4.737.138.785	25.943	ENT-H
12377	510.987.301	4.737.139.514	25.583	ENT-H
12379	510.977.663	4.737.128.859	25.577	PH-ELE
12380	510.961.723	4.737.113.991	26.088	PH-ELE
12381	510.964.404	4.737.116.046	26.546	PM-TEL
12383	510.933.429	4.737.085.839	24.825	PH-ELE
12384	510.938.778	4.737.089.637	24.505	PM-TEL
12386	510.911.285	4.737.078.624	22.707	MU-E
12387	510.915.084	4.737.082.087	23.076	MU-L
12388	510.922.091	4.737.088.523	23.495	MU-L
12389	510.926.338	4.737.092.554	24.038	MU-L
12390	510.930.921	4.737.096.723	24.466	MU-L
12391	510.935.082	4.737.100.436	24.650	MU-L
12392	510.940.015	4.737.105.096	25.029	MU-E
12393	510.943.382	4.737.108.145	25.273	MU-E
12394	510.946.187	4.737.110.784	25.587	MU-E
12395	510.947.076	4.737.110.890	25.590	CT
12396	510.950.662	4.737.113.855	25.469	CT
12397	510.953.696	4.737.116.920	25.365	CT
12398	510.957.305	4.737.120.029	25.628	CT
12399	510.957.842	4.737.120.634	25.664	ENT
12400	510.960.795	4.737.124.277	25.290	CIE-E
12401	510.964.649	4.737.127.829	25.275	CIE-E
12402	510.967.359	4.737.130.453	25.691	CIE-E
12403	510.970.927	4.737.133.996	25.726	CIE-L
12404	510.975.525	4.737.138.255	25.719	E
12405	510.957.849	4.737.121.906	25.039	C
12406	510.956.629	4.737.120.336	24.790	PT
12407	510.954.120	4.737.117.820	24.930	PT
12408	510.950.353	4.737.114.345	24.759	PT
12409	510.947.236	4.737.111.618	24.720	PT
12410	510.946.392	4.737.111.155	24.810	PT
12411	510.953.068	4.737.089.962	24.910	SV-STOP
12412	510.959.975	4.737.121.438	25.580	H
12413	510.958.818	4.737.122.254	25.328	H
12414	510.965.911	4.737.127.107	25.579	H
12415	510.968.294	4.737.129.539	25.631	H
12416	510.967.235	4.737.130.321	25.304	H
12417	510.968.781	4.737.129.409	25.589	H
12418	510.977.326	4.737.136.844	25.720	H
12419	510.975.578	4.737.138.113	25.768	H

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12420	510.956.557	4.737.127.736	24.515	CIE-L
12421	510.951.859	4.737.131.712	23.703	CIE-L
12422	510.947.263	4.737.135.657	22.750	CIE-L
12423	510.942.780	4.737.139.407	21.874	CIE-L
12424	510.936.984	4.737.144.295	20.697	CIE-L
12425	510.932.085	4.737.148.513	19.665	CIE-L
12426	510.926.866	4.737.152.940	18.739	CIE-L
12427	510.922.775	4.737.156.358	18.011	CIE-L
12428	510.919.213	4.737.159.309	17.397	CIE-E
12429	510.919.953	4.737.160.359	17.320	CIE-E
12430	510.922.531	4.737.163.351	17.390	CIE-L
12431	510.930.196	4.737.172.369	17.467	CIE-E
12432	510.931.894	4.737.172.083	17.617	PARRA
12433	510.933.556	4.737.169.965	17.956	CIE-L
12434	510.938.567	4.737.166.102	18.665	CIE-L
12435	510.944.711	4.737.161.461	19.812	CIE-L
12436	510.949.146	4.737.158.046	20.803	CIE-L
12437	510.954.218	4.737.154.215	21.841	CIE-E
12438	510.958.470	4.737.151.008	22.553	CIE-E
12439	510.971.665	4.737.141.345	24.396	CIE-L
12440	510.975.294	4.737.138.887	24.847	CIE-E
12441	510.987.194	4.737.150.112	25.053	PARRA
12442	510.983.731	4.737.152.193	24.635	PARRA
12443	510.975.436	4.737.145.135	24.373	PARRA
12444	510.969.615	4.737.149.569	23.577	PARRA
12445	510.963.955	4.737.153.653	22.786	PARRA
12446	510.958.632	4.737.157.717	21.941	PARRA
12447	510.951.814	4.737.162.699	20.732	PARRA
12448	510.946.670	4.737.166.738	19.509	PARRA
12449	510.941.783	4.737.170.358	18.694	PARRA
12450	510.934.791	4.737.175.327	17.820	PARRA
12451	510.907.823	4.737.155.151	17.111	CIE-E
12452	510.914.476	4.737.147.548	18.038	CIE-L
12453	510.918.452	4.737.142.976	18.870	CIE-L
12454	510.921.731	4.737.139.057	19.650	CIE-L
12455	510.926.141	4.737.133.976	20.686	CIE-L
12456	510.931.105	4.737.128.139	21.985	CIE-L
12457	510.936.605	4.737.121.794	23.257	CIE-L
12458	510.941.934	4.737.115.609	24.245	CIE-L
12459	510.945.696	4.737.111.301	24.757	CIE-E
12460	510.991.539	4.737.028.343	24.590	PT
12461	510.963.618	4.737.121.860	25.727	B-1
12462	510.915.182	4.737.076.110	22.927	B-2
12463	510.903.711	4.737.148.800	17.820	ED
12464	511.362.072	4.737.927.750	77.989	ED-E
12465	511.362.122	4.737.921.030	76.535	ED-E
12466	511.362.439	4.737.921.060	76.537	ED-E
12467	511.359.029	4.737.918.360	76.044	ED-E
12468	511.355.262	4.737.918.170	76.195	ED-E
12469	511.352.434	4.737.920.520	77.046	ED-E

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12470	511.353.010	4.737.914.090	73.310	ED-E
12471	511.269.723	4.737.854.960	55.595	R
12472	511.269.829	4.737.848.070	54.415	R
12473	511.268.944	4.737.841.610	53.165	R
12474	511.269.001	4.737.836.730	52.354	R
12475	511.267.179	4.737.827.950	50.674	R
12476	511.277.561	4.737.819.700	48.543	R
12477	511.278.555	4.737.812.120	47.369	R
12478	511.251.022	4.737.841.030	53.670	REGATO
12479	511.255.212	4.737.837.320	51.829	REGATO
12480	511.186.454	4.737.749.160	55.941	CAM
12481	511.187.726	4.737.749.820	55.858	CAM
12482	511.189.608	4.737.745.700	55.842	CAM
12483	511.190.502	4.737.746.910	55.701	CAM
12484	511.194.963	4.737.740.150	55.425	CAM
12485	511.192.694	4.737.738.900	55.509	CAM
12486	511.193.544	4.737.744.240	55.637	RAMAL
12487	511.192.821	4.737.745.790	55.802	RAMAL
12488	511.204.596	4.737.742.950	54.993	RAMAL
12489	511.203.581	4.737.741.630	54.884	RAMAL
12490	511.183.026	4.737.739.720	55.617	R
12491	511.187.544	4.737.734.700	55.475	R
12492	511.192.550	4.737.732.560	55.473	R
12493	511.193.654	4.737.732.200	55.137	MUR
12494	511.195.509	4.737.731.270	55.148	MUR
12495	511.196.234	4.737.728.820	55.174	R
12496	511.198.260	4.737.727.750	54.904	R
12497	511.203.208	4.737.724.710	54.302	R
12498	511.198.238	4.737.707.050	53.046	R
12499	511.191.789	4.737.709.710	53.580	R
12500	511.185.112	4.737.712.000	54.228	R
12501	511.184.331	4.737.712.400	54.208	CAM
12502	511.182.618	4.737.714.730	54.169	CAM
12503	511.182.195	4.737.715.530	54.910	R
12504	511.176.900	4.737.719.730	54.931	R
12505	511.170.229	4.737.724.010	54.960	R
12506	511.166.126	4.737.720.940	54.797	R
12507	511.165.109	4.737.720.160	53.955	CAM
12508	511.163.281	4.737.719.650	53.887	CAM
12509	511.178.062	4.737.711.540	53.817	CAM
12510	511.178.483	4.737.709.880	53.768	CAM
12511	511.175.410	4.737.708.680	53.701	CAM
12512	511.175.436	4.737.711.260	53.724	CAM
12513	511.170.348	4.737.710.860	53.765	CAM
12514	511.171.339	4.737.712.980	53.637	CAM
12515	511.168.262	4.737.716.520	53.725	CAM
12516	511.166.783	4.737.715.810	53.781	CAM
12517	511.171.169	4.737.708.780	53.611	CAM
12518	511.173.145	4.737.707.080	53.555	CAM
12519	511.169.531	4.737.704.660	53.530	CAM

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12520	511.170.912	4.737.703.510	53.484	CAM
12521	511.190.413	4.737.697.140	52.783	R
12522	511.184.673	4.737.700.120	53.306	R
12523	511.177.113	4.737.703.050	53.635	R
12524	511.172.976	4.737.703.810	53.726	R
12525	511.171.660	4.737.675.040	52.159	M-A
12526	511.167.669	4.737.679.380	52.631	M-A
12527	511.164.879	4.737.684.440	52.952	M-A
12528	511.162.494	4.737.687.310	53.156	M-A
12529	511.162.207	4.737.689.760	53.212	M-A
12530	511.157.880	4.737.692.880	52.863	R
12531	511.160.550	4.737.693.000	52.541	CAM
12532	511.162.129	4.737.692.130	52.590	CAM
12533	511.160.899	4.737.688.220	51.916	CAM
12534	511.159.169	4.737.687.930	51.913	CAM
12535	511.160.918	4.737.680.330	51.232	CAM
12536	511.162.688	4.737.680.410	51.303	CAM
12537	510.926.881	4.737.188.480	16.984	MU-A
12538	510.926.154	4.737.188.600	16.243	MU-AB
12539	510.925.487	4.737.189.090	16.211	CT
12540	510.925.291	4.737.189.180	15.155	RIO
12541	510.931.965	4.737.177.080	17.433	MU
12542	510.928.975	4.737.179.400	17.480	MU-A
12543	510.928.871	4.737.179.040	16.915	MU-AB
12544	510.924.439	4.737.183.150	16.619	MU-AB
12545	510.924.896	4.737.183.330	17.346	MU-A
12546	510.923.135	4.737.185.860	16.229	CT
12547	510.922.552	4.737.186.340	15.065	RIO
12548	510.918.058	4.737.177.090	15.646	RIO
12549	510.920.952	4.737.174.780	17.111	CT
12550	510.917.427	4.737.167.580	16.952	CT
12551	510.916.647	4.737.168.080	16.313	CT
12552	510.916.052	4.737.168.870	16.046	CT
12553	510.915.713	4.737.169.240	15.404	RIO
12554	510.911.824	4.737.164.070	15.346	RIO
12555	510.912.396	4.737.163.630	15.934	CT
12556	510.912.994	4.737.162.530	16.280	CT
12557	510.913.190	4.737.161.510	16.744	CT
12558	510.909.304	4.737.157.360	16.836	CT
12559	510.907.452	4.737.158.380	15.755	CT
12560	510.906.832	4.737.158.820	15.021	RIO
12561	510.905.340	4.737.156.510	15.331	RIO
12562	510.906.180	4.737.155.900	16.074	CT
12563	510.907.290	4.737.155.540	16.537	CT
12564	510.888.560	4.737.160.120	15.624	CT
12565	510.889.356	4.737.160.070	14.731	RIO
12566	510.896.812	4.737.169.170	14.970	RIO
12567	510.895.870	4.737.170.360	15.934	CT
12568	510.898.762	4.737.177.120	16.130	CT
12569	510.899.230	4.737.176.400	15.468	RIO

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12570	510.904.589	4.737.184.740	15.519	RIO
12571	510.904.242	4.737.185.470	16.228	CT
12572	510.908.118	4.737.192.140	16.275	CT
12573	510.908.638	4.737.191.080	15.020	RIO
12574	510.916.170	4.737.197.370	15.092	RIO
12575	510.915.945	4.737.197.980	16.097	CT
12576	510.921.888	4.737.207.910	16.640	CT
12577	510.921.636	4.737.206.810	15.749	RIO
12578	510.927.586	4.737.212.840	16.214	CT
12579	510.927.881	4.737.211.310	15.389	RIO
12580	510.906.441	4.737.152.120	18.068	ED-E
12581	510.910.993	4.737.147.970	18.030	ED-E
12582	510.959.377	4.737.130.210	24.538	ED-E
12583	510.951.597	4.737.136.680	23.558	ED-E
12584	510.956.877	4.737.143.718	23.737	ED-E
12585	510.953.007	4.737.152.843	21.869	ED-E
12586	510.921.329	4.737.221.810	19.830	CT
12587	510.918.484	4.737.219.500	19.942	CT
12588	510.914.409	4.737.215.300	19.738	CT
12589	510.908.870	4.737.209.920	19.771	CT
12590	510.904.783	4.737.206.860	19.809	CT
12591	510.899.998	4.737.202.370	19.559	CT
12592	510.895.178	4.737.197.570	19.540	CT
12593	510.890.553	4.737.193.850	19.575	CT
12594	510.883.205	4.737.189.970	19.654	CT
12595	510.923.400	4.737.221.200	18.002	PT
12596	510.924.051	4.737.220.680	18.106	PT
12597	510.924.985	4.737.219.880	18.352	CT
12598	510.920.436	4.737.218.220	17.826	PT
12599	510.920.990	4.737.217.610	17.871	PT
12600	510.921.494	4.737.216.940	18.239	CT
12601	510.915.123	4.737.213.490	17.799	PT
12602	510.915.621	4.737.212.870	17.804	PT
12603	510.916.397	4.737.212.320	18.261	CT
12604	510.909.895	4.737.208.760	17.814	PT
12605	510.910.450	4.737.208.060	17.854	PT
12606	510.911.044	4.737.207.540	18.210	CT
12607	510.906.279	4.737.205.780	17.879	PT
12608	510.906.819	4.737.204.910	17.850	PT
12609	510.906.950	4.737.203.770	18.327	CT
12610	510.898.079	4.737.198.280	17.890	PT
12611	510.898.426	4.737.197.620	17.818	PT
12612	510.898.894	4.737.196.950	18.205	CT
12613	510.889.525	4.737.190.670	17.777	PT
12614	510.889.851	4.737.189.930	17.865	PT
12615	510.890.311	4.737.188.870	18.281	CT
12616	510.909.662	4.737.250.050	28.363	ED
12617	510.900.444	4.737.259.720	28.702	ED
12618	510.892.577	4.737.277.040	31.247	ED-E
12619	510.888.985	4.737.272.810	31.217	ED-E

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12620	510.877.823	4.737.282.292	32.646	ED-L
12621	510.873.566	4.737.279.850	32.522	ED-E
12622	510.864.794	4.737.294.790	33.579	ED-E
12623	510.842.849	4.737.243.690	27.642	ED-E
12624	510.851.239	4.737.206.230	27.510	ED-E
12625	511.161.722	4.737.673.690	50.306	CAM
12626	511.163.165	4.737.674.350	50.365	CAM
12627	511.167.208	4.737.667.600	48.850	CAM
12628	511.165.840	4.737.666.690	48.834	CAM
12629	511.169.586	4.737.660.940	47.762	CAM
12630	511.171.036	4.737.661.650	47.658	CAM
12631	511.174.614	4.737.651.900	46.931	CAM
12632	511.174.912	4.737.648.870	46.748	CAM
12633	511.174.919	4.737.647.330	46.644	CAM
12634	511.173.857	4.737.658.860	48.815	CT
12635	511.175.165	4.737.660.610	49.501	PT
12636	511.171.903	4.737.666.620	49.758	PT
12637	511.170.140	4.737.665.300	49.450	CT
12638	511.166.954	4.737.669.950	50.183	CT
12639	511.168.268	4.737.672.040	50.632	PT
12640	511.162.841	4.737.678.550	51.398	C
12641	511.157.362	4.737.688.480	52.645	CT
12642	511.159.722	4.737.677.120	51.799	C
12643	511.158.487	4.737.676.700	51.666	C
12644	511.159.505	4.737.672.000	51.174	C
12645	511.160.930	4.737.672.650	51.258	CT
12646	511.163.789	4.737.667.350	50.822	CT
12647	511.163.042	4.737.666.720	50.776	R
12648	511.167.579	4.737.656.690	49.612	R
12649	511.169.033	4.737.657.470	49.669	CT
12650	511.165.424	4.737.700.330	53.566	CT
12651	511.162.508	4.737.697.380	53.065	CT
12652	511.158.772	4.737.692.700	53.062	CT
12653	511.157.967	4.737.693.020	52.752	R
12654	511.157.156	4.737.688.400	53.053	CT
12655	511.157.647	4.737.685.980	53.388	CT
12656	511.159.622	4.737.681.330	52.577	CT
12657	511.157.861	4.737.680.560	52.730	CT
12658	511.155.453	4.737.683.980	53.568	CT
12659	511.148.581	4.737.684.950	52.566	CT
12660	511.151.648	4.737.688.500	53.560	CT
12661	511.156.651	4.737.690.550	53.298	CT
12662	511.156.332	4.737.690.770	52.753	PT
12663	511.148.913	4.737.688.680	51.965	PT
12664	511.146.067	4.737.685.430	51.272	PT
12665	511.152.255	4.737.682.570	52.025	PT
12666	511.155.673	4.737.681.590	52.071	PT
12667	511.154.395	4.737.658.010	49.781	R
12668	511.147.790	4.737.664.470	50.177	R
12669	511.142.754	4.737.668.340	50.398	R

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12670	511.135.433	4.737.675.930	50.084	R
12671	511.146.067	4.737.629.180	47.279	R
12672	511.140.111	4.737.633.310	48.027	R
12673	511.133.891	4.737.637.570	48.510	R
12674	511.126.004	4.737.643.110	48.676	R
12675	511.121.473	4.737.651.170	48.980	R
12676	511.141.198	4.737.617.190	46.808	R
12677	511.135.747	4.737.620.170	47.447	R
12678	511.127.163	4.737.624.750	48.291	R
12679	511.120.230	4.737.629.180	48.365	R
12680	511.111.274	4.737.634.290	48.268	R
12681	511.107.944	4.737.637.090	48.221	R
12682	511.147.630	4.737.599.430	44.168	CAM
12683	511.149.405	4.737.598.880	44.365	CAM
12684	511.140.871	4.737.600.750	45.254	R
12685	511.131.385	4.737.604.280	46.003	R
12686	511.121.748	4.737.608.470	46.569	R
12687	511.110.270	4.737.612.400	46.619	R
12688	511.101.896	4.737.615.830	46.393	R
12689	511.130.648	4.737.581.860	44.149	R
12690	511.118.128	4.737.585.080	44.809	R
12691	511.109.947	4.737.586.910	44.901	R
12692	511.104.403	4.737.587.110	44.678	R
12693	511.130.730	4.737.562.770	42.497	CAM
12694	511.129.043	4.737.563.860	42.468	CAM
12695	511.128.185	4.737.564.630	43.321	CT
12696	511.121.709	4.737.567.440	43.602	R
12697	511.114.852	4.737.570.890	44.261	R
12698	511.107.106	4.737.574.190	44.414	R
12699	511.099.572	4.737.576.250	44.168	R
12700	511.118.532	4.737.541.590	40.994	CAM
12701	511.116.739	4.737.541.760	41.044	CAM
12702	511.115.298	4.737.541.820	41.728	MU-E
12703	511.111.195	4.737.541.970	41.803	MU
12704	511.099.549	4.737.541.670	41.818	MU
12705	511.091.600	4.737.541.560	41.788	MU
12706	511.084.461	4.737.541.460	41.797	MU
12707	511.076.932	4.737.541.350	41.577	MU
12708	511.070.973	4.737.540.760	41.463	MU
12709	511.066.444	4.737.539.760	41.419	MU
12710	511.104.424	4.737.519.420	40.734	CT
12711	511.104.780	4.737.519.170	39.408	CAM
12712	511.106.242	4.737.518.430	39.247	CAM
12713	511.100.571	4.737.508.020	38.365	CAM
12714	511.099.350	4.737.509.040	38.391	CAM
12715	511.095.734	4.737.498.720	37.916	MU-F
12716	511.094.137	4.737.499.670	37.962	CAM
12717	511.093.981	4.737.500.030	38.931	CT
12718	511.099.280	4.737.495.990	38.175	MU-L
12719	511.087.223	4.737.481.040	37.154	MU-E

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12720	511.084.965	4.737.482.080	37.158	CAM
12721	511.078.360	4.737.468.890	36.347	MU-E
12722	511.077.211	4.737.470.130	36.489	CAM
12723	511.069.143	4.737.464.190	35.946	CAM
12724	511.069.993	4.737.462.900	35.745	CAM
12725	511.067.130	4.737.464.290	37.004	RUINA
12726	511.065.021	4.737.470.330	37.127	RUINA
12727	511.058.906	4.737.469.260	37.090	RUINA
12728	511.054.141	4.737.456.380	35.473	CT
12729	511.054.832	4.737.455.690	34.929	CAM
12730	511.055.455	4.737.453.920	34.733	CAM
12731	511.048.733	4.737.449.260	34.379	CAM
12732	511.048.215	4.737.450.890	34.429	CAM
12733	511.048.046	4.737.451.940	35.064	CT
12734	511.049.155	4.737.476.260	37.073	R
12735	511.042.133	4.737.477.190	37.055	R
12736	511.034.376	4.737.477.850	36.667	R
12737	511.024.604	4.737.479.180	36.023	R
12738	511.017.600	4.737.483.780	35.264	R
12739	511.008.164	4.737.460.060	34.022	R
12740	511.014.435	4.737.457.730	34.524	R
12741	511.021.399	4.737.455.180	34.783	R
12742	511.028.519	4.737.451.000	34.689	R
12743	511.033.070	4.737.446.920	34.370	R
12744	511.030.209	4.737.446.050	34.380	CAS-E
12745	511.024.221	4.737.446.120	34.370	CAS-E
12746	511.005.486	4.737.453.760	33.103	R
12747	511.030.134	4.737.441.380	34.194	CASA
12748	511.034.796	4.737.436.250	33.482	CAM
12749	511.035.710	4.737.435.100	33.406	CAM
12750	511.031.065	4.737.433.910	33.315	CAM
12751	511.031.241	4.737.432.070	32.439	CAM
12752	511.021.564	4.737.431.210	32.697	CAM
12753	511.021.351	4.737.432.690	32.771	CAM
12754	511.011.414	4.737.432.890	31.453	CAM
12755	511.011.383	4.737.431.960	31.454	CAM
12756	510.998.637	4.737.432.570	29.681	CAM
12757	510.998.625	4.737.433.630	29.699	CAM
12758	511.027.176	4.737.433.720	33.456	CT
12759	511.020.319	4.737.433.790	33.160	CT
12760	511.012.619	4.737.433.930	32.747	CT
12761	511.005.465	4.737.434.090	31.884	CT
12762	510.999.410	4.737.435.030	31.151	CT
12763	511.000.881	4.737.441.730	31.843	CT
12764	511.020.234	4.737.431.150	32.617	C
12765	511.017.005	4.737.430.780	32.722	CT
12766	511.010.746	4.737.430.990	32.154	CT
12767	511.006.957	4.737.430.370	31.484	CT
12768	511.001.231	4.737.431.200	30.536	CT
12769	510.998.290	4.737.431.610	30.179	CT

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12770	510.995.699	4.737.417.770	29.005	CT
12771	511.008.886	4.737.425.170	30.221	PT
12772	511.013.066	4.737.425.400	30.633	PT
12773	511.015.200	4.737.418.450	30.112	PT
12774	511.017.256	4.737.413.360	29.784	PT
12775	511.020.278	4.737.414.640	30.753	CT
12776	511.018.418	4.737.420.070	31.518	CT
12777	511.017.826	4.737.424.040	31.789	CT
12778	511.015.992	4.737.426.230	32.105	CT
12779	511.013.606	4.737.428.180	32.565	CT
12780	511.001.365	4.737.415.600	29.231	R
12781	511.007.237	4.737.410.120	28.985	R
12782	510.989.446	4.737.408.610	27.814	CT
12783	510.985.001	4.737.399.470	26.845	CT
12784	510.987.830	4.737.395.090	26.406	CT
12785	510.994.253	4.737.388.030	26.489	CT
12786	510.999.308	4.737.381.130	26.190	CT
12787	510.997.967	4.737.379.440	25.030	PT
12788	510.994.279	4.737.384.670	24.818	PT
12789	510.988.871	4.737.390.790	24.905	PT
12790	510.982.371	4.737.397.290	25.154	PT
12791	510.974.154	4.737.392.380	24.687	R
12792	510.981.473	4.737.385.790	24.455	R
12793	510.986.782	4.737.380.400	24.247	R
12794	510.992.537	4.737.372.620	24.555	R
12795	511.002.876	4.737.392.600	27.153	R
12796	511.006.452	4.737.388.790	26.914	R
12797	511.009.050	4.737.384.630	26.571	R
12798	510.970.082	4.737.387.310	23.946	REG
12799	510.970.684	4.737.381.190	23.469	REG
12800	510.974.126	4.737.369.520	22.937	REG
12801	510.960.510	4.737.348.770	23.592	PT
12802	510.968.499	4.737.353.250	23.049	R
12803	510.973.025	4.737.358.110	22.656	R
12804	510.976.643	4.737.364.050	22.582	REG
12805	510.977.935	4.737.366.790	22.686	REG
12806	510.979.997	4.737.368.270	23.281	R
12807	510.983.407	4.737.370.870	23.890	R
12808	510.928.123	4.737.392.290	28.154	PT
12809	510.926.260	4.737.391.760	29.179	CT
12810	510.922.014	4.737.389.290	30.401	PT
12811	510.920.505	4.737.388.270	31.557	CT
12812	510.929.479	4.737.367.840	30.581	CT
12813	510.930.901	4.737.368.870	29.336	PT
12814	510.937.493	4.737.370.940	27.808	CT
12815	510.938.226	4.737.371.440	27.398	PT
12816	510.941.314	4.737.363.750	27.555	C
12817	510.939.716	4.737.346.280	30.985	CT
12818	510.941.764	4.737.349.300	28.890	PT
12819	510.950.840	4.737.353.630	26.948	R

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
12820	510.954.950	4.737.356.720	26.225	CT
12821	510.856.496	4.737.373.570	37.004	CT
12822	510.857.031	4.737.373.010	36.522	CAM
12823	510.858.341	4.737.371.600	36.506	CAM
12824	510.859.201	4.737.370.470	36.826	CT
12825	510.851.003	4.737.362.140	36.111	CT
12826	510.850.353	4.737.362.810	35.728	CAM
12827	510.848.775	4.737.363.760	35.663	CAM
12828	510.848.084	4.737.364.170	36.048	CT
12829	510.863.993	4.737.359.780	36.137	R
12830	510.869.648	4.737.349.620	35.790	R
12831	510.875.035	4.737.337.640	35.498	R
12832	510.882.829	4.737.325.730	35.465	R
12833	510.888.709	4.737.315.050	35.069	R
12834	510.874.621	4.737.311.330	34.873	R
12835	510.866.537	4.737.320.380	35.006	R
12836	510.859.844	4.737.330.610	35.050	R
12837	510.855.620	4.737.338.740	35.287	R
12838	510.849.694	4.737.348.170	35.540	R
12839	510.837.095	4.737.349.680	33.949	CAM
12840	510.841.794	4.737.354.920	34.558	CAM
12841	510.840.557	4.737.355.190	35.517	CT
12842	510.837.244	4.737.350.770	35.294	CT
12843	510.838.093	4.737.347.400	33.903	CAM
12844	510.840.327	4.737.349.380	34.273	CAM
12845	510.843.980	4.737.354.910	34.696	CAM
12846	510.839.104	4.737.347.200	34.467	CT
12847	510.841.771	4.737.341.980	34.397	CT
12848	510.844.005	4.737.335.600	34.097	CT
12849	510.847.784	4.737.324.060	33.776	CT
12850	510.839.874	4.737.342.909	33.548	PT
12851	510.841.670	4.737.338.160	33.144	PT
12852	510.833.225	4.737.353.740	34.160	PT
12853	510.833.822	4.737.355.040	34.742	CT
12854	510.838.172	4.737.340.880	33.391	LB
12855	510.834.232	4.737.347.640	33.881	LB
12856	510.831.572	4.737.350.660	34.114	LB
12857	510.828.922	4.737.352.680	34.262	LB
12858	510.825.458	4.737.354.580	34.385	LB
12859	510.820.996	4.737.356.280	34.511	LB
12860	510.815.903	4.737.357.240	34.626	LB
12861	510.811.419	4.737.357.300	34.722	LB
12862	510.808.112	4.737.356.860	34.815	LB
12863	510.804.396	4.737.355.960	34.936	LB
12864	510.804.869	4.737.349.720	34.583	LB
12865	510.808.862	4.737.350.740	34.419	LB
12866	510.813.162	4.737.351.060	34.246	LB
12867	510.817.237	4.737.350.660	34.041	LB
12868	510.821.940	4.737.349.040	33.717	LB
12869	510.825.499	4.737.346.900	33.463	LB

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
12870	510.828.722	4.737.343.750	33.219	LB
12871	510.831.704	4.737.339.240	32.965	LB
12872	510.834.380	4.737.341.010	33.235	LB
12873	510.829.671	4.737.347.380	33.643	LB
12874	510.822.421	4.737.352.180	34.072	LB
12875	510.816.555	4.737.353.850	34.317	LB
12876	510.809.053	4.737.353.820	34.585	LB
12877	510.800.797	4.737.351.250	34.919	LB
12878	511.303.230	4.737.876.000	61.852	R
12879	511.296.967	4.737.878.180	61.492	R
12880	511.281.559	4.737.879.480	60.620	R
12881	511.312.102	4.737.822.380	54.484	R
12882	511.308.275	4.737.818.570	52.506	R
12883	511.300.425	4.737.814.870	49.636	R
12884	511.293.485	4.737.811.560	47.440	R
12885	511.286.130	4.737.807.440	45.434	R
12886	511.282.428	4.737.801.270	44.297	R
12887	511.274.647	4.737.796.500	43.388	R
12888	511.274.155	4.737.795.890	43.355	R
12889	511.270.679	4.737.793.930	43.825	R
12890	511.271.555	4.737.878.910	60.082	R
12891	511.266.756	4.737.879.290	59.912	R
12892	511.261.128	4.737.866.400	56.119	REG
12893	511.259.906	4.737.860.130	55.224	REG
12894	511.259.336	4.737.848.040	53.164	REG
12895	511.259.231	4.737.843.120	52.293	REG
12896	511.258.681	4.737.837.920	51.341	REG
12897	511.248.590	4.737.842.130	54.500	REG
12898	511.235.198	4.737.847.460	58.183	REG
12899	511.228.549	4.737.850.250	60.078	REG
12900	511.226.829	4.737.852.200	60.373	REG
12901	511.219.854	4.737.848.740	60.266	REG
12902	511.220.626	4.737.844.190	60.465	REG
12903	511.218.177	4.737.832.470	60.236	REG
12904	511.215.851	4.737.825.810	60.024	REG
12905	511.212.845	4.737.817.930	59.881	REG
12906	511.216.895	4.737.851.340	61.053	REG-NACI
12907	511.381.687	4.738.125.820	93.689	R
12908	511.382.837	4.738.110.530	91.477	R
12909	511.377.931	4.738.109.620	92.276	CT
12910	511.377.734	4.738.108.570	91.798	CAM
12911	511.378.950	4.738.099.980	91.227	CT
12912	511.378.718	4.738.100.660	90.537	CAM
12913	511.377.809	4.738.090.200	90.498	CAM
12914	511.375.759	4.738.083.210	90.242	R
12915	511.375.114	4.738.072.380	89.480	R
12916	511.372.279	4.738.060.830	89.336	R
12917	511.370.213	4.738.046.470	88.604	R
12918	511.367.455	4.738.032.440	87.426	R
12919	511.366.109	4.738.019.410	85.857	R

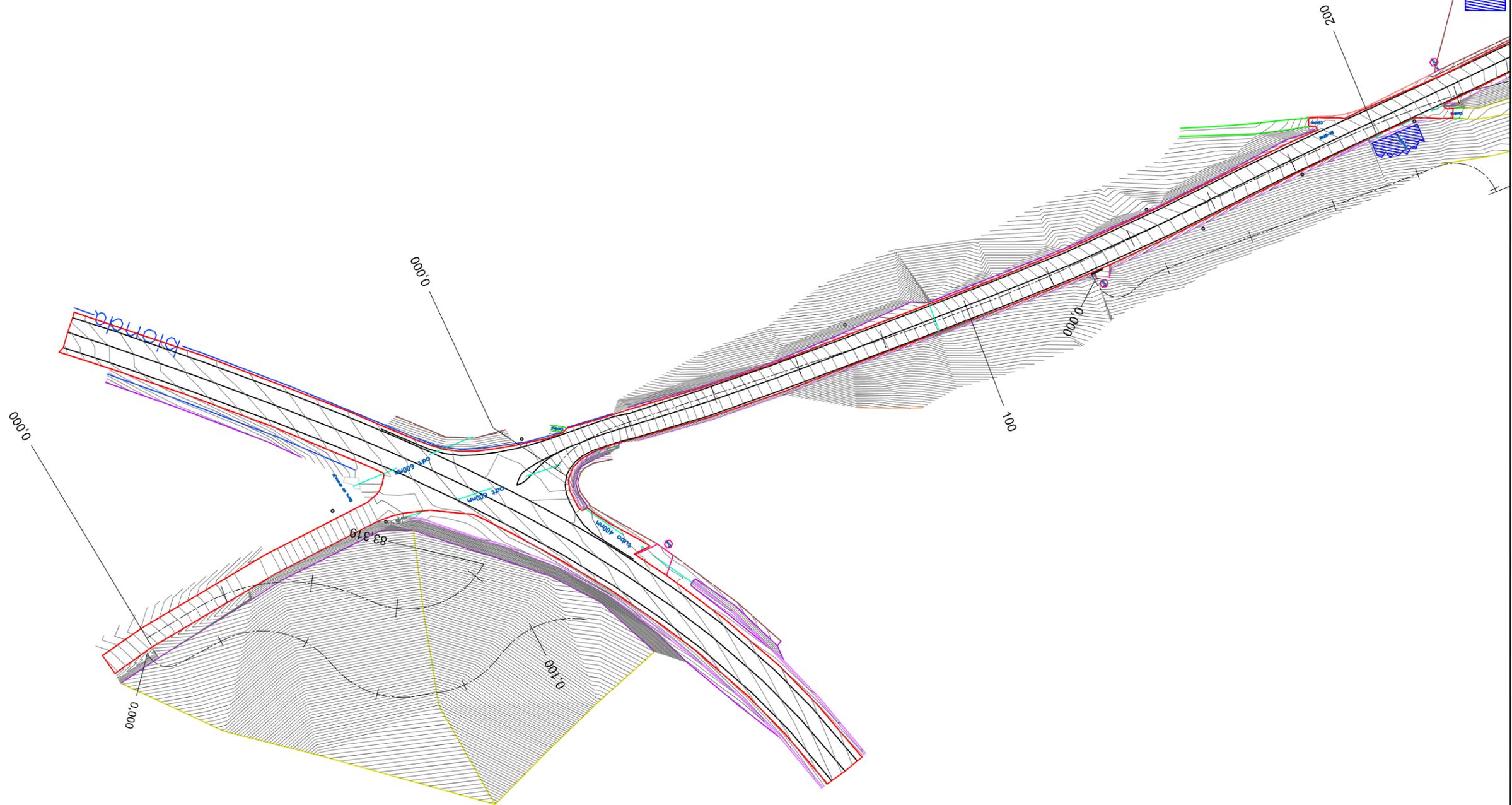
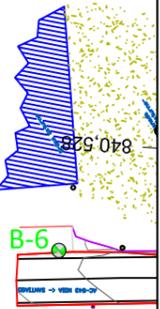
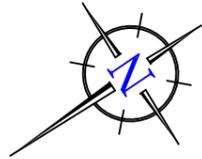
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12920	511.371.618	4.738.005.290	83.495	CAM
12921	511.369.887	4.738.007.210	83.601	CAM
12922	511.368.136	4.737.993.700	83.488	CAM
12923	511.364.210	4.737.995.080	84.082	R
12924	511.361.364	4.737.990.280	84.084	MU
12925	511.364.970	4.737.989.040	83.832	MU
12926	511.391.777	4.738.043.640	82.704	CAM
12927	511.393.781	4.738.042.590	82.542	CAM
12928	511.395.017	4.738.049.970	82.349	CAM
12929	511.397.111	4.738.048.840	82.115	CAM
12930	511.401.899	4.738.057.190	82.150	CAM
12931	511.404.205	4.738.064.520	82.293	CAM
12932	511.405.626	4.738.063.270	82.155	CAM
12933	511.393.856	4.738.057.760	83.604	PT
12934	511.395.146	4.738.063.190	83.810	R
12935	511.395.686	4.738.073.930	84.730	PT
12936	511.402.370	4.738.071.050	83.254	R
12937	511.397.598	4.738.086.690	85.770	PT
12938	511.404.813	4.738.085.170	84.600	R
12939	511.409.432	4.738.099.380	85.283	R
12940	511.400.965	4.738.103.020	87.254	PT
12941	511.404.195	4.738.118.030	88.530	PT
12942	511.411.030	4.738.114.800	86.694	R
12943	511.419.470	4.738.131.680	86.706	R
12944	511.409.596	4.738.136.950	90.137	PT
12945	511.413.177	4.738.153.190	90.979	PT
12946	511.421.958	4.738.149.930	87.906	R
12947	511.421.141	4.738.164.550	90.402	R
12948	511.415.452	4.738.164.280	91.952	PT
12949	511.420.066	4.738.182.680	93.473	PT
12950	511.424.482	4.738.180.350	91.559	R
12951	511.422.853	4.738.193.070	94.738	R
12952	511.426.382	4.738.201.910	95.866	R
12953	511.385.703	4.738.137.550	94.943	R
12954	511.386.442	4.738.146.500	96.894	MU-E
12955	511.389.513	4.738.151.240	97.124	MU-L
12956	511.391.823	4.738.149.840	96.088	R
12957	511.394.659	4.738.158.520	97.502	MU-L
12958	511.172.502	4.737.651.431	47.050	CAM
12959	510.903.321	4.737.148.896	17.340	MU
12960	511.172.867	4.737.647.660	46.750	CAM
12961	511.172.053	4.737.647.703	47.970	CT
12962	511.060.836	4.737.463.292	36.920	RUINA
12963	511.024.063	4.737.441.532	34.200	CASA
12964	510.916.341	4.737.393.491	30.030	CAM
12965	510.917.829	4.737.393.371	29.760	CAM
12966	510.866.709	4.737.382.379	37.300	CAM
12967	510.870.544	4.737.297.553	33.820	ED
12968	510.877.711	4.737.300.997	33.930	ED
12969	510.898.003	4.737.256.596	30.300	CT

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
12970	510.900.278	4.737.259.804	31.070	CT
12971	510.956.640	4.737.348.448	26.520	CT
12972	510.993.072	4.737.418.220	27.320	PT
12973	511.305.050	4.737.883.442	63.680	REG
12974	511.206.322	4.737.779.033	57.640	REG
12978	510.908.947	4.737.064.010	22.255	CAS-E
12979	510.912.588	4.737.065.750	21.529	CAS-E
12980	510.915.784	4.737.059.240	22.800	CAS-E
12982	510.968.171	4.737.140.662	24.120	ED
12983	510.949.978	4.737.148.796	21.820	ED
12984	511.436.669	4.738.330.015	107.530	CT
12985	511.436.609	4.738.319.718	106.450	CT
12986	511.435.638	4.738.294.852	104.824	CT
12987	511.435.473	4.738.287.478	104.812	CT
12988	511.432.140	4.738.262.666	102.120	CT
12989	511.428.071	4.738.256.441	102.350	CT
12990	511.417.654	4.738.248.550	102.899	CT
12991	511.412.507	4.738.244.475	103.012	CT
12992	511.402.205	4.738.236.710	103.390	CT
12993	511.390.967	4.738.230.679	104.359	CT
12994	511.375.075	4.738.226.978	105.388	CT
12995	511.372.870	4.738.243.653	109.155	R
12996	511.370.265	4.738.259.031	115.321	R
12997	511.366.934	4.738.275.838	121.321	CT
12998	511.411.196	4.738.265.030	109.236	R
12999	511.392.382	4.738.273.801	116.021	R
13000	511.398.234	4.738.302.276	117.786	R
13001	511.414.567	4.738.316.801	111.328	R
13002	511.361.600	4.738.009.968	85.628	R
13003	511.370.527	4.737.980.796	79.935	MU-AB
13004	511.369.189	4.737.973.697	79.249	MU-AB
13005	511.368.155	4.737.969.524	78.860	MU-AB
13006	511.367.405	4.737.967.380	78.560	MU-AB
13007	511.366.127	4.737.965.163	78.469	MU-AB
13008	511.364.510	4.737.962.905	78.295	MU-AB
13009	511.362.386	4.737.960.999	77.994	MU-AB
13010	511.359.778	4.737.959.480	77.775	MU-AB
13011	511.352.308	4.737.957.279	76.978	MU-AB
13012	511.357.225	4.737.998.650	85.128	R
13013	511.370.128	4.737.980.893	81.786	MU-A
13014	511.368.730	4.737.973.767	81.388	MU-A
13015	511.367.841	4.737.969.613	81.135	MU-A
13016	511.367.029	4.737.967.525	80.611	MU-A
13017	511.365.841	4.737.965.327	80.529	MU-A
13018	511.364.089	4.737.963.191	80.415	MU-A
13019	511.362.150	4.737.961.373	80.093	MU-A
13020	511.359.571	4.737.959.936	79.814	MU-A
13021	511.352.143	4.737.957.737	79.867	MU-A
13022	511.355.266	4.737.991.336	84.812	R
13023	511.350.978	4.737.983.284	83.618	R

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
13024	511.350.668	4.737.971.405	81.927	R

LISTADO DE PUNTOS DE SERVICIOS:

Nº PTO	COORD. X	COORD. Y	COORD. Z	CODIGO
10492	511.363.568	4.737.915.597	74.987	HO-ZE
10493	511.365.250	4.737.915.647	74.974	HO-ZE
10494	511.365.413	4.737.910.924	75.032	HO-ZL
11150	510.909.667	4.737.214.547	20.408	PM-TEL
11329	511.188.171	4.737.761.480	57.002	PH-AT
11433	510.864.040	4.737.250.811	26.798	REJ
11434	510.863.791	4.737.250.555	26.775	REJ
11435	510.867.235	4.737.243.518	26.712	REJ
11436	510.867.598	4.737.243.645	26.739	REJ
11437	510.868.729	4.737.242.259	26.838	ARQ-DES
11438	510.867.349	4.737.240.993	26.222	PH-ELE
11439	510.865.606	4.737.241.120	26.102	PH-TEL
11440	510.874.189	4.737.239.925	26.750	ARQ-SAN
11491	510.793.321	4.737.339.673	35.274	PH-ELE
11492	510.768.312	4.737.311.763	36.642	PH-ELE
11501	510.832.212	4.737.328.876	31.613	PH-ELE
11516	510.851.357	4.737.280.593	29.378	PH-ELE
11517	510.851.947	4.737.280.869	29.411	SV-LIM50Y40
11598	510.891.537	4.737.246.501	26.044	PH-ELE
11599	510.890.297	4.737.246.330	26.137	PM-TEL
11622	510.869.941	4.737.267.814	28.117	ARQ-DES
11636	510.862.041	4.737.284.551	29.316	SV-LIM50Y40
11754	510.785.423	4.737.347.149	35.870	SV-AC308- PK15
11757	510.789.280	4.737.348.494	35.620	REJ
11758	510.789.636	4.737.348.235	35.614	REJ
11759	510.790.011	4.737.348.530	35.621	REJ
11760	510.789.707	4.737.348.820	35.608	REJ
11761	510.792.305	4.737.350.986	35.468	REJ
11762	510.792.485	4.737.350.696	35.458	REJ
11763	510.792.224	4.737.350.354	35.479	REJ
11764	510.792.025	4.737.350.595	35.499	REJ
11802	510.892.543	4.737.246.720	26.296	ARQ-DES
12337	510.877.390	4.737.034.425	18.717	PH-L
12349	510.912.833	4.737.078.712	22.604	PH-ELE
12350	510.911.338	4.737.078.547	22.664	PM-TEL
12357	510.944.322	4.737.105.197	25.409	ARQ-SAN
12369	510.996.781	4.737.154.960	25.584	PM-TEL
12370	510.991.577	4.737.149.568	25.584	ARQ-SAN
12371	510.985.979	4.737.144.726	25.503	ARQ-SAN
12373	510.990.982	4.737.141.384	25.526	PH-ELE
12378	510.975.017	4.737.138.051	25.742	PH-ELE
12382	510.946.158	4.737.109.969	25.720	PH-ELE
12385	510.930.753	4.737.081.779	24.918	PH-AT
12981	511.071.683	4.737.029.640	34.598	PH-AT



EDICIÓN: 00 - PROJ. CONSTRUCCIÓN

XUNTA DE GALICIA
CONSELLERÍA DE MEDIO AMBIENTE,
TERRITORIO E INFRAESTRUTURAS.

axi
axencia gallega
de infraestruturas

CONSULTOR
INDT
INGENIERIA DEL NOROESTE. S.L.

O ENXENHEIRO AUTÓGRÁFICO:
[Signature]
D. José Antonio Niño Taboada

O ENXENHEIRO DE CAMIÑOS, C. E. P.
AUTOR DO ESTUDIO:
[Signature]
D. José Antonio Niño Taboada

O ENXENHEIRO DE CAMIÑOS, C. E. P.
DIRECTOR DO ESTUDIO:
[Signature]
D. Carlos Lefler Gullón

EXAMINADO O ENXENHEIRO XEFE:
DIBUXOU:
César Esturao

COTEJOU:
-

SUBSTITUÍ A:
-

ESCALAS:
A1=1: 500
A3=1: 1000

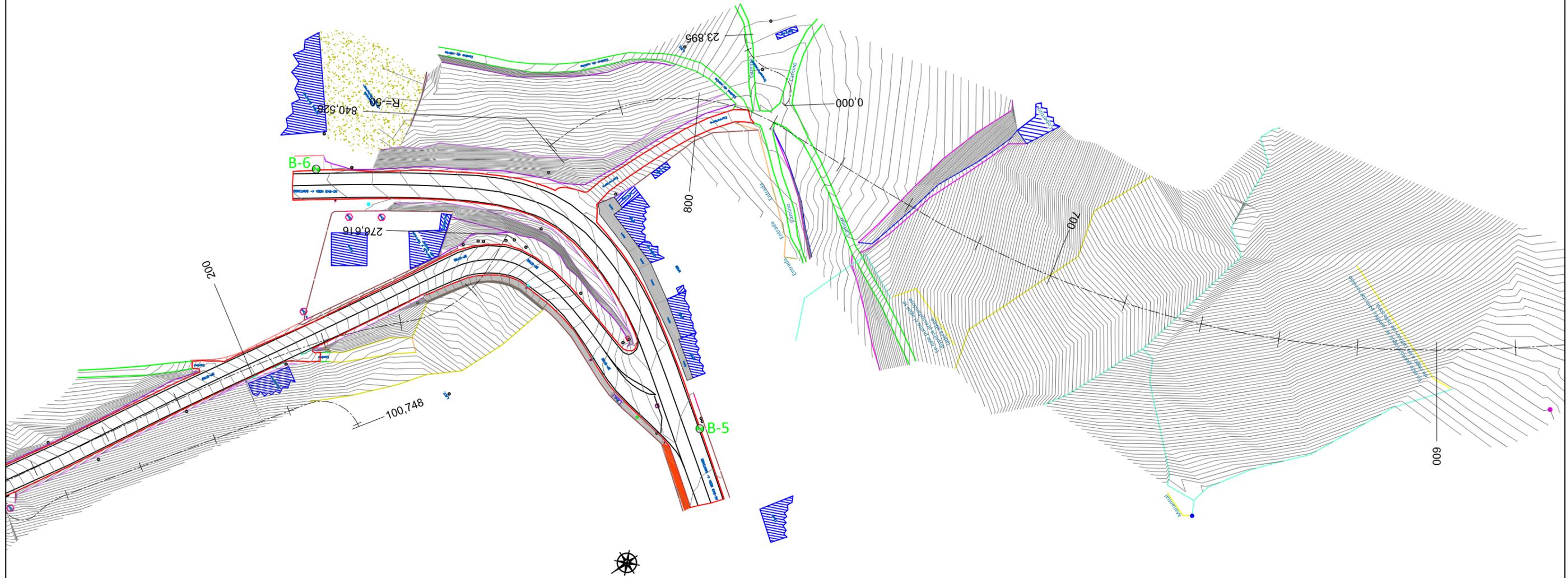
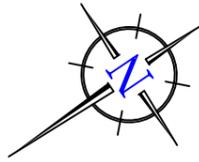
TÍTULO:
**CONEXIÓN CG 1.5 EN
SAMPAIO - PORTO BRAVO**

CLAVE:
AC/12/031.01

NÚMERO DO PLANO:
ANEJO Nº2
FOLIA
1 DE 4

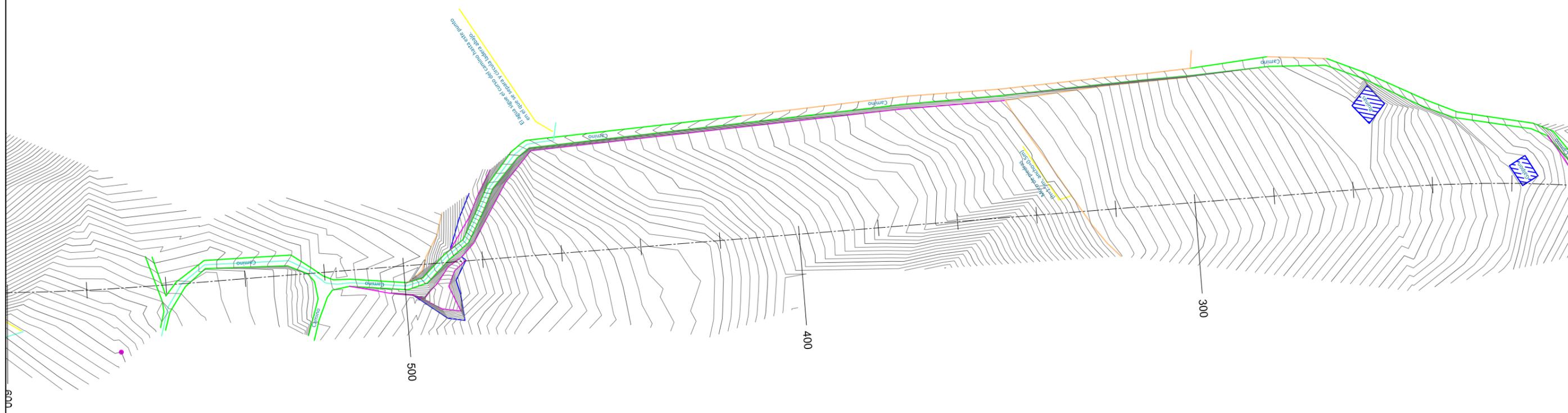
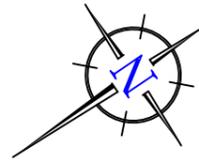
DESIGNACIÓN DO PLANO:
TAQUIMÉTRICO

DATA:
DICIEMBRE-2013
NÚMERO DE PÁGINA:
-



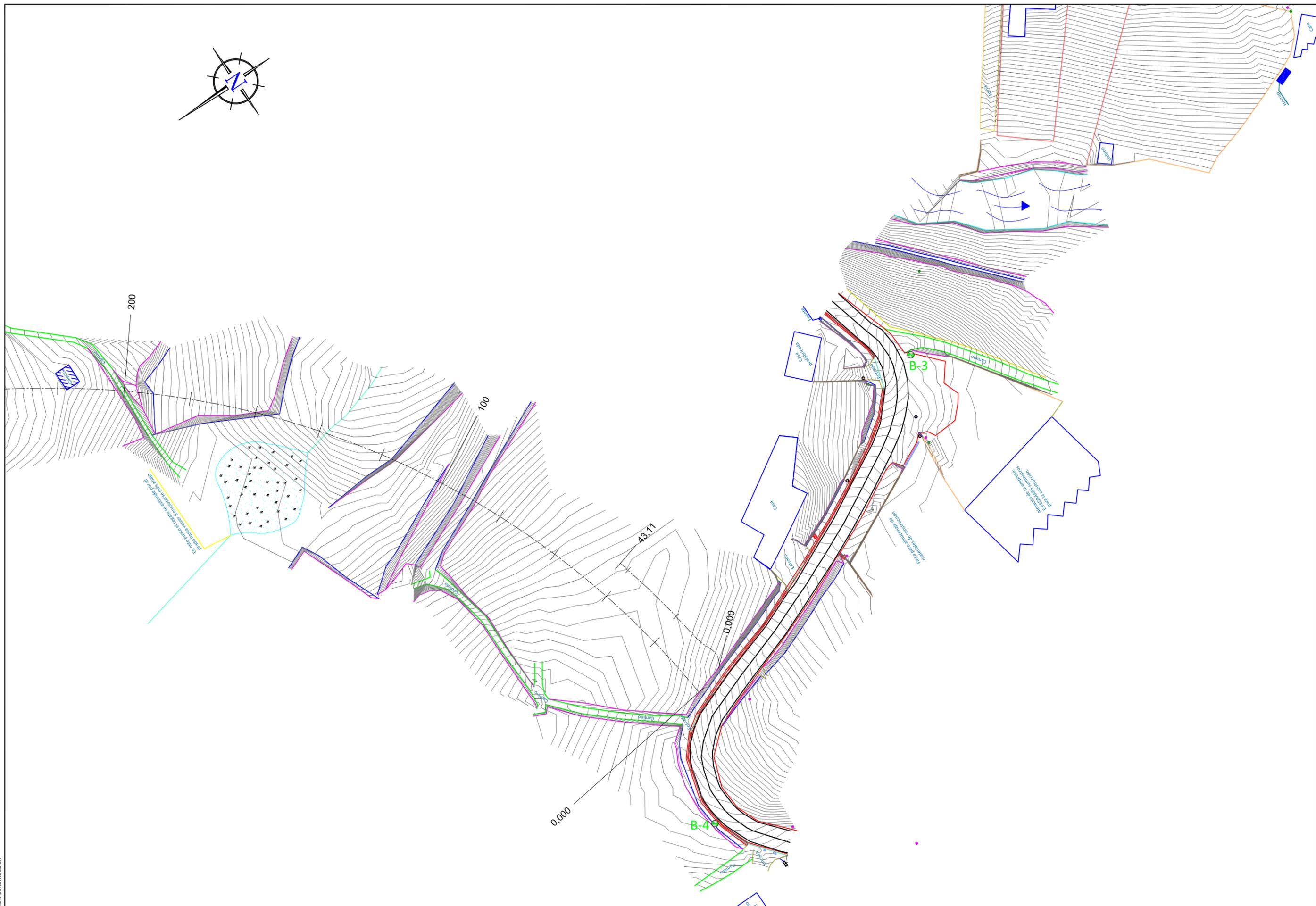
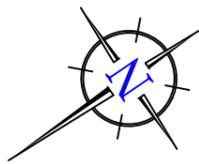
EDICIÓN: 00 - PROJ. CONSTRUCCIÓN

XUNTA DE GALICIA CONSELLERÍA DE MEDIO AMBIENTE, TERRITORIO E INFRAESTRUTURAS.		CONSULTOR INGENIERIA DEL NOROESTE, S.L.	O ENXENHEIRO AUTOMÓBILS: D. José Antonio Niño Taboada	O ENXENHEIRO DE CAMIÑOS, C. E. P. AUTOR DO ESTUDIO: D. José Antonio Niño Taboada	O ENXENHEIRO DE CAMIÑOS, C. E. P. DIRECTOR DO ESTUDIO: D. Carlos Laffer Gullón	EXAMINADO O ENXENHEIRO XEFE: 	DEBUXOU: César Esturao	SUBSTITUIU A: -	ESCALAS: A1=1: 500 A3=1: 1000	TÍTULO: CONEXIÓN CG 1.5 EN SAMPAIO - PORTO BRAVO	CLAVE: AC/12/031.01	NÚMERO DO PLANO: ANEJO Nº2 FOLIA 2 DE 4	DESIGNACIÓN DO PLANO: TAQUIMÉTRICO	DATA: DICIEMBRE-2013 NÚMERO DE PÁXINA: -
			COTEXOU: -	SUBSTITUIU POR: -										



EDICION: 00 - PROJ. CONSTRUCCION

XUNTA DE GALICIA CONSELLERÍA DE MEDIO AMBIENTE, TERRITORIO E INFRAESTRUTURAS.	axi axencia gallega de infraestruturas	CONSULTOR INGENIERIA DEL NOROESTE, S.L.	O ENXENHEIRO AUTÓGRÁFICO: 	O ENXENHEIRO DE CAMIÑAS, C. E. P. AUTOR DO ESTUDIO: 	O ENXENHEIRO DE CAMIÑAS, C. E. P. DIRECTOR DO ESTUDIO: 	EXAMINADO O ENXENHEIRO XEFE: 	DEBUXOU: César Esturao	SUBSTITUIU A: -	ESCALAS: A1=1: 500 A3=1: 1000 	TÍTULO: CONEXIÓN CG 1.5 EN SAMPAIO - PORTO BRAVO	CLAVE: AC/12/031.01	NÚMERO DO PLANO: ANEJO Nº2	DESIGNACIÓN DO PLANO: TAQUIMÉTRICO	DATA: DICIEMBRE-2013
			FOLIA: 3 DE 4	NÚMERO DE PÁXINA: -										



EDICIÓN: 00 - PROJ. CONSTRUCCIÓN

<p>XUNTA DE GALICIA CONSELLERÍA DE MEDIO AMBIENTE, TERRITORIO E INFRAESTRUTURAS.</p>	<p>axi xunta de galicia infraestruturas</p>	<p>CONSULTOR </p> <p>INGENIERIA DEL NOROESTE, S.L.</p>	<p>O ENXENHEIRO AUTOMÓBILO: </p> <p>D. José Antonio Niño Taboada</p>	<p>O ENXENHEIRO DE CAMIÑAS, C. E. P. AUTOR DO ESTUDIO: </p> <p>D. José Antonio Niño Taboada</p>	<p>O ENXENHEIRO DE CAMIÑAS, C. E. P. DIRECTOR DO ESTUDIO: </p> <p>D. Carlos Leifer Gullón</p>	<p>EXAMINADO O ENXENHEIRO XEFE:</p>	<p>DESENHADOR: César Esturao</p> <p>COTEJOU: -</p>	<p>SUBSTITUÍU A: -</p> <p>SUBSTITUÍU POR: -</p>	<p>ESCALAS: A1=1: 500 A3=1: 1000</p>	<p>TÍTULO: CONEXIÓN CG 1.5 EN SAMPAIO - PORTO BRAVO</p>	<p>CLAVE: AC/12/031.01</p>	<p>NÚMERO DO PLANO: ANEJO Nº2</p> <p>FOLIA 4 DE 4</p>	<p>DESIGNACIÓN DO PLANO: TAQUIMÉTRICO</p>	<p>DATA: DICIEMBRE-2013</p> <p>NÚMERO DE PÁXINA: -</p>
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APÉNDICE Nº 2: RESEÑAS DE BASES.

**PROYECTO DE TRAZADO E IMPACTO AMBIENTAL
 CONEXION CG 1.5 EN SAMPAIO - PORTOBRAVO**

Concello: **Lousame** Provincia: **A Coruña**

Nº BASE: B-1

Huso: 29 Sistema de Coordenadas: U.T.M. ED50

Clavo GEOPUNT

Señal:

Incrustado en asfalto

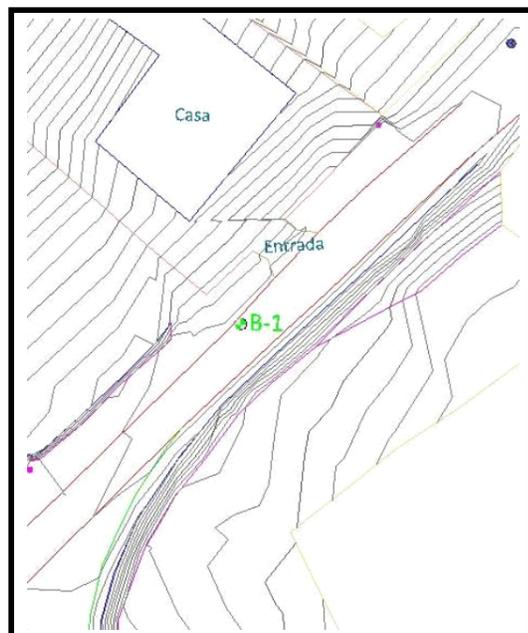
X 510.963.618,000

Y 4.737.121.857,000

Z 25.727,000

Situación:

Margen derecho de la calzada en un camino situado después del puente de Lousame.



**PROYECTO DE TRAZADO E IMPACTO AMBIENTAL
 CONEXION CG 1.5 EN SAMPAIO - PORTOBRAVO**

Concello: **Lousame** Provincia: **A Coruña**

Nº BASE: B-2

Huso: 29 Sistema de Coordenadas: U.T.M. ED50

Clavo GEOPUNT

Señal:

Incrustado en asfalto

X 510.915.182,000

Y 4.737.076.111,000

Z 22.927,000

Situación:

Margen derecho de la calzada en un camino situado después del puente de Lousame.



**PROYECTO DE TRAZADO E IMPACTO AMBIENTAL
 CONEXION CG 1.5 EN SAMPAIO - PORTO BRAVO**

Concello: **Noia** Provincia: **A Coruña**

Nº BASE: B-3

Huso: 29 Sistema de Coordenadas: U.T.M. ED50

Clavo GEOPUNT

Señal:

Incrustado en asfalto

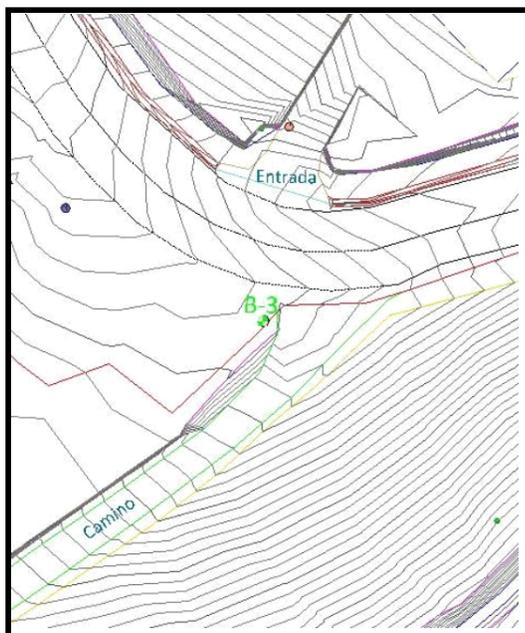
X 510.890.419,000

Y 4.737.230.768,000

Z 26.157,000

Situación:

Margen derecho de la calzada en la PO-308, antes del puente de Lousame.



**PROYECTO DE TRAZADO E IMPACTO AMBIENTAL
 CONEXION CG 1.5 EN SAMPAIO - PORTO BRAVO**

Concello: **Noia** Provincia: **A Coruña**

Nº BASE: B-4

Huso: 29 Sistema de Coordenadas: U.T.M. ED50

Clavo GEOPUNT

Señal:

Incrustado en asfalto

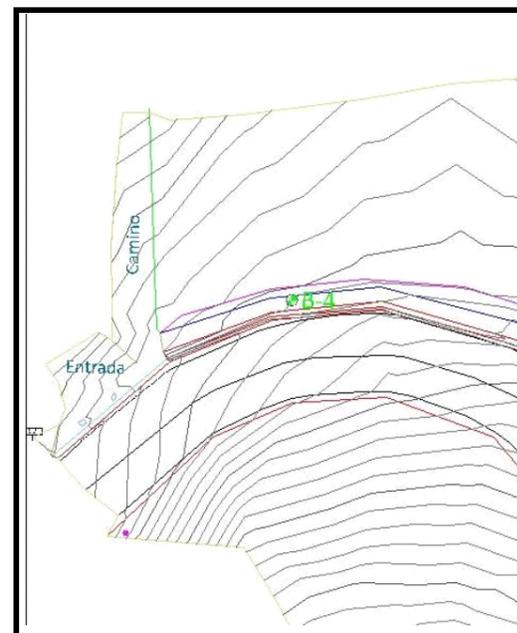
X 510.807.232,000

Y 4.737.358.451,000

Z 34.795,000

Situación:

Margen izquierdo de la calzada en la PO-308, junto a un concesionario Renault.



**PROYECTO DE TRAZADO E IMPACTO AMBIENTAL
 CONEXION CG 1.5 EN SAMPAIO - PORTO BRAVO**

Concello: **Noia** Provincia: **A Coruña**

Nº BASE: B-5

Huso: 29 Sistema de Coordenadas: U.T.M. ED50

Clavo GEOPUNT

Señal:

Incrustado en asfalto

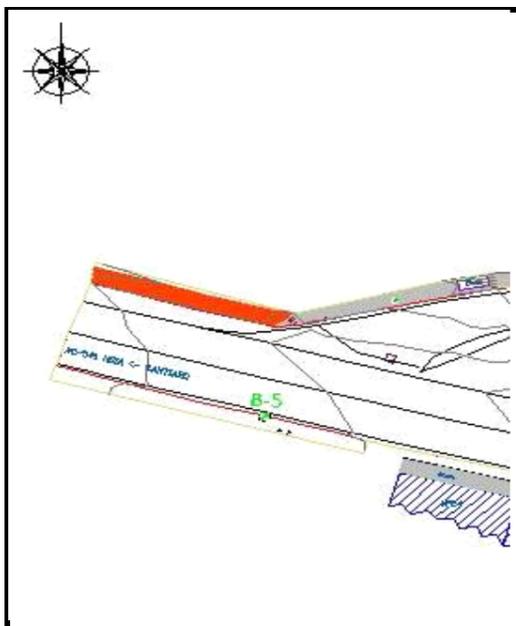
X 511.305.069,000

Y 4.737.941.737,000

Z 75.464,000

Situación:

Margen izquierdo de la antigua AC-543.



**PROYECTO DE TRAZADO E IMPACTO AMBIENTAL
 CONEXION CG 1.5 EN SAMPAIO - PORTO BRAVO**

Concello: **Noia** Provincia: **A Coruña**

Nº BASE: B-6

Huso: 29 Sistema de Coordenadas: U.T.M. ED50

Clavo GEOPUNT

Señal:

Incrustado en asfalto

X 511.413.766,000

Y 4.737.985.084,000

Z 72.880,000

Situación:

Margen izquierdo de la antigua AC-543.

