

ANEJO N°4. TOPOGRAFÍA

1.- MEMORIA DE TOPOGRAFÍA

1.1 Levantamiento topográfico.

El método empleado para la realización del levantamiento topográfico ha sido por radiación con sistema GPS. La nube de puntos generada se ha dibujado con el programa de diseño MDT.

1.2 Toma de datos de campo, instrumentos, precisión.

1.2.1 Instrumentos topográficos utilizados.

Con fecha junio de 2022 se acomete la toma de datos topográficos de campo mediante un receptor GS 14 marca Leica, conectado a la red de antenas de la diputación de Burgos.

1.2.2 Precisión de los trabajos de campo.

El receptor estuvo trabajando en todo momento en modo de levantamiento cinemático en tiempo real (RTK), obteniéndose un error máximo en planta de +/- 10 mm + 1 mm RMS.

2.- NORMAS GENERALES DE CARTOGRAFIA

2.1 Sistema de referencia.

Se utiliza el Sistema de Referencia Europeo Terrestre 1989 (ETRS89),

Origen de coordenadas geodésicas:

Latitudes referidas al ecuador, positivas al norte del mismo.

Longitudes referidas al meridiano de Greenwich, positivas al este del mismo.

Alturas Ortométricas.

2.2 Sistema cartográfico de representación.

El sistema de representación plana para la cartografía adjunta al presente expediente es la Universal Transversa de Mercator (UTM) Huso 30.

3.- PUNTOS OBTENIDOS

Se detalla a continuación la relación de puntos tomados sobre el terreno a fecha de junio de 2022 para la obtención del plano taquimétrico de referencia:

CALLE PRIORATO				
Nº PUNTO	COORDENADA X	COORDENADA Y	ALTURA	CODIGO
1600	467.841,330	4.738.945,726	554,510	
1601	467.840,815	4.738.946,373	554,710	EDIF
1602	467.844,669	4.738.951,193	555,900	EDIF
1603	467.846,021	4.738.949,472	555,720	EDIF
1604	467.848,183	4.738.950,934	556,500	PELDANOARR
1605	467.849,386	4.738.952,448	556,490	PELDANOARR
1606	467.848,894	4.738.953,224	556,220	PELDANOARR
1607	467.848,722	4.738.953,247	556,090	PELABAJO
1608	467.849,369	4.738.952,457	556,120	PELABAJO
1609	467.848,132	4.738.951,114	555,980	PELABAJO
1613	467.849,426	4.738.953,739	556,260	EDIF
1614	467.851,186	4.738.953,361	556,390	EDIF
1615	467.851,071	4.738.956,754	556,570	EDIF
1616	467.852,275	4.738.955,453	556,430	EDIF
1617	467.853,441	4.738.954,701	556,290	PELDANOARR
1618	467.852,516	4.738.952,903	556,360	PELDANOARR
1619	467.852,542	4.738.952,851	556,230	PELABAJO
1620	467.853,499	4.738.954,715	556,170	PELABAJO
1621	467.853,905	4.738.954,155	556,120	ARQ
1622	467.854,711	4.738.952,989	555,990	ARQ
1623	467.860,321	4.738.950,643	555,610	ARQ
1624	467.859,012	4.738.950,007	555,810	ARQ
1625	467.860,980	4.738.948,735	555,600	ARQ
1626	467.866,947	4.738.947,267	555,430	ARQ
1627	467.871,311	4.738.943,020	555,430	ARQ
1628	467.873,118	4.738.943,709	555,350	ARQ
1629	467.876,947	4.738.941,724	555,280	ARQ
1630	467.879,922	4.738.939,092	555,270	EDIF
1631	467.878,755	4.738.939,578	555,300	PPUERTA
1632	467.877,251	4.738.940,127	555,290	PPUERTA
1633	467.871,535	4.738.942,670	555,420	PPUERTA
1634	467.870,708	4.738.943,053	555,460	PPUERTA
1635	467.868,527	4.738.944,246	555,540	PPUERTA
1636	467.866,265	4.738.945,513	555,570	PPUERTA

1637	467.865,826	4.738.945,790	555,560	BANCO
1638	467.865,843	4.738.946,215	555,540	BANCO
1639	467.863,095	4.738.947,656	555,600	BANCO
1640	467.862,965	4.738.947,294	555,620	BANCO
1641	467.862,761	4.738.947,412	555,620	PPUERTA
1642	467.861,684	4.738.948,063	555,620	PPUERTA
1643	467.856,950	4.738.950,644	556,000	PPUERTA
1644	467.855,588	4.738.951,305	556,000	PPUERTA
1658	467.847,882	4.738.948,218	555,720	EDIFSINCOTA
2002	467.892,131	4.738.930,963	555,280	asf
2003	467.887,389	4.738.934,257	555,320	asf
2004	467.884,118	4.738.936,961	555,350	asf
2005	467.885,357	4.738.940,319	555,470	asf
2006	467.884,267	4.738.936,560	555,360	edif
2007	467.884,291	4.738.935,391	555,540	arq
2008	467.884,132	4.738.926,536	554,690	edif
2009	467.884,971	4.738.925,731	554,560	muro
2010	467.893,188	4.738.919,651	553,090	muro
2011	467.896,112	4.738.913,637	551,720	rfif
2012	467.898,803	4.738.908,172	551,180	rfif
2013	467.901,097	4.738.909,849	551,060	cano
2014	467.903,241	4.738.912,496	551,380	muro
2015	467.903,638	4.738.915,093	552,290	muro
2016	467.903,559	4.738.917,615	552,980	muro
2017	467.902,986	4.738.913,547	551,470	hormi
2018	467.901,471	4.738.913,599	551,470	hormi
2019	467.897,343	4.738.911,645	551,730	hormi
2020	467.901,137	4.738.914,029	551,590	pt
2021	467.900,393	4.738.915,855	551,900	pt
2022	467.898,003	4.738.918,776	552,510	pt
2023	467.894,850	4.738.921,798	553,380	pt
2024	467.891,404	4.738.925,978	554,340	pt
2025	467.889,097	4.738.930,117	554,960	pt
2026	467.866,588	4.738.949,934	555,670	EDIF
2027	467.871,727	4.738.946,470	555,550	edif2
2028	467.871,316	4.738.946,764	555,940	puerta
2029	467.870,642	4.738.947,219	555,950	puerta
2030	467.878,104	4.738.942,562	555,470	ptmuro
2031	467.878,788	4.738.942,275	555,460	ptmuro
2032	467.882,495	4.738.941,164	555,390	ptmuro
2033	467.882,872	4.738.942,225	555,730	ptmuro

2034	467.864,054	4.738.952,003	555,740	esca
2036	467.863,122	4.738.952,210	555,740	ptmuro
2037	467.860,803	4.738.952,009	555,760	ptmuro
2038	467.856,062	4.738.953,446	556,140	ptmuro
2039	467.854,006	4.738.954,427	556,340	ptmuro
2040	467.852,999	4.738.954,917	556,480	ptmuro
2041	467.851,826	4.738.955,854	556,670	ptmuro
2042	467.851,098	4.738.956,640	556,880	ptmuro
2043	467.858,210	4.738.952,605	555,900	PTMURO
2044	467.851,127	4.738.956,798	557,990	ctmuro
2045	467.852,553	4.738.955,805	557,950	ctmuro
2046	467.854,498	4.738.954,432	558,000	ctmuro
2047	467.856,279	4.738.953,668	557,920	ctmuro1.45
2048	467.858,285	4.738.952,908	558,050	ctmuro1.45
2049	467.860,549	4.738.952,439	557,740	ctmuro1.45
2050	467.864,320	4.738.952,997	557,870	ctmuro1.45

CALLES LUNA Y PEZ				
Nº PUNTO	COORDENADA X	COORDENADA Y	ALTURA	CODIGO
1	468.055,852	4.738.855,930	555,120	bor
2	468.055,574	4.738.856,065	555,120	bor
3	468.053,702	4.738.855,980	555,100	bor
4	468.052,605	4.738.856,564	555,090	bor
5	468.055,803	4.738.855,804	555,160	baldosa
6	468.055,256	4.738.854,944	555,130	baldosa
7	468.052,505	4.738.856,502	555,110	baldosa
8	468.051,862	4.738.855,403	555,110	baldosa
9	468.051,542	4.738.854,874	555,120	edif
10	468.055,196	4.738.854,856	555,150	edif
11	468.051,591	4.738.847,835	554,720	edif
12	468.051,545	4.738.847,747	554,720	puerta
13	468.051,057	4.738.846,832	554,650	puerta
14	468.049,613	4.738.847,347	554,610	arqueta
15	468.049,152	4.738.846,534	554,560	arqueta
16	468.049,833	4.738.844,800	554,510	arqueta
17	468.047,009	4.738.846,879	554,540	arqueta
19	468.045,491	4.738.839,144	554,030	arqueta
21	468.042,158	4.738.837,856	553,880	arqueta
22	468.044,943	4.738.836,137	553,880	edif
23	468.043,814	4.738.840,857	554,100	puerta
24	468.042,160	4.738.837,857	553,890	arqueta
25	468.041,621	4.738.837,052	553,840	edif
26	468.042,374	4.738.838,474	553,920	puerta
27	468.042,171	4.738.831,734	553,520	puerta
28	468.041,535	4.738.830,650	553,450	puerta
29	468.038,124	4.738.831,044	553,350	edif
30	468.039,709	4.738.827,653	553,260	puerta
31	468.039,129	4.738.826,761	553,200	puerta
32	468.036,280	4.738.828,162	553,180	puerta
33	468.035,777	4.738.827,377	553,130	puerta
34	468.036,673	4.738.828,554	553,210	arqueta
35	468.034,851	4.738.825,986	553,030	edif
36	468.033,689	4.738.824,437	552,930	arqueta
37	468.033,724	4.738.824,794	552,950	puerta
38	468.032,495	4.738.823,560	552,950	puerta
39	468.035,677	4.738.821,496	552,880	puerta
40	468.035,182	4.738.820,748	552,870	puerta
41	468.034,622	4.738.819,887	552,840	puerta

42	468.033,078	4.738.817,542	552,840	puerta
43	468.032,569	4.738.816,853	552,750	puerta
44	468.030,505	4.738.814,495	552,720	puerta
45	468.030,097	4.738.814,053	552,680	puerta
46	468.028,340	4.738.812,052	552,660	puerta
47	468.028,065	4.738.811,761	552,660	puerta
48	468.027,205	4.738.810,781	552,650	puerta
49	468.026,467	4.738.810,077	552,650	puerta
50	468.025,798	4.738.809,440	552,660	puerta
51	468.029,776	4.738.816,194	552,660	arqueta
52	468.031,495	4.738.816,274	552,680	arqueta
53	468.026,160	4.738.817,239	552,580	edif
54	468.019,858	4.738.820,706	552,510	edif
55	468.019,418	4.738.820,868	552,530	baldosa
56	468.018,748	4.738.819,472	552,410	baldosa
57	468.018,712	4.738.819,490	552,410	baldosa
58	468.017,700	4.738.817,492	552,300	baldosa
59	468.016,565	4.738.815,158	552,190	baldosa
60	468.016,546	4.738.815,172	552,170	edif
62	468.015,522	4.738.815,304	552,060	bor
63	468.017,065	4.738.818,654	552,220	bor
64	468.018,174	4.738.820,851	552,370	bor
65	468.018,450	4.738.821,352	552,460	bor
66	468.018,368	4.738.821,310	552,390	asf
67	468.017,188	4.738.818,949	552,220	asf
68	468.016,029	4.738.816,542	552,060	asf
69	468.015,611	4.738.815,558	552,000	asf
70	468.012,994	4.738.816,685	552,110	asf
71	468.014,711	4.738.820,524	552,360	asf
72	468.015,790	4.738.822,596	552,500	asf
73	468.013,156	4.738.823,837	552,640	asf
74	468.011,915	4.738.821,392	552,480	asf
75	468.010,122	4.738.817,865	552,210	asf
76	468.009,723	4.738.817,019	552,150	asf
77	468.016,873	4.738.816,135	552,200	arqueta
78	468.017,766	4.738.815,818	552,220	sumi
79	468.017,445	4.738.815,472	552,190	poste
80	468.021,734	4.738.819,689	552,500	arqueta
81	468.020,311	4.738.820,470	552,510	puerta
82	468.022,472	4.738.819,263	552,500	puerta
83	468.020,831	4.738.811,924	552,480	puerta

84	468.021,839	4.738.811,157	552,570	puerta
85	468.023,333	4.738.810,033	552,560	edif
86	468.024,848	4.738.808,834	552,710	arqueta
87	468.022,889	4.738.806,832	553,010	edif
88	468.021,750	4.738.808,085	552,730	edif
89	468.021,970	4.738.807,801	552,720	puerta
90	468.022,648	4.738.807,075	552,720	puerta
200	468.045,827	4.738.841,082	554,130	re
201	468.048,534	4.738.846,922	554,540	re
202	468.052,448	4.738.853,545	555,010	re
203	468.042,682	4.738.835,257	553,720	re
204	468.037,523	4.738.826,928	553,100	re
205	468.032,178	4.738.820,221	552,740	re
206	468.025,913	4.738.813,065	552,560	re
207	468.022,550	4.738.814,945	552,370	re
208	468.018,816	4.738.815,691	552,220	re
1000	468.071,277	4.738.824,812	553,520	CCUN
1001	468.071,947	4.738.822,817	553,440	CCUN
1002	468.074,028	4.738.817,812	553,280	CCUN
1003	468.074,785	4.738.817,065	553,290	edif
1004	468.074,067	4.738.817,415	553,270	arqueta
1005	468.074,403	4.738.817,730	553,270	sumi
1006	468.069,458	4.738.825,825	553,460	edif
1007	468.065,244	4.738.823,715	553,300	arqueta
1008	468.064,099	4.738.823,588	553,300	arqueta
1009	468.061,220	4.738.823,393	553,360	arquetaA50
1010	468.061,105	4.738.824,077	553,380	edif
1011	468.063,113	4.738.829,779	553,520	edif
1012	468.062,271	4.738.830,325	553,590	puerta
1013	468.060,459	4.738.831,491	553,730	puerta
1014	468.056,398	4.738.827,717	553,780	puerta
1015	468.055,438	4.738.828,481	553,810	puerta
1016	468.051,966	4.738.831,226	553,910	edif
1017	468.053,545	4.738.835,881	553,930	puerta
1018	468.051,498	4.738.836,953	553,970	puerta
1019	468.049,312	4.738.833,138	554,000	puerta
1020	468.048,539	4.738.833,676	554,000	puerta
1021	468.049,882	4.738.833,098	553,970	arqueta
1022	468.052,948	4.738.836,087	553,900	arqueta
1023	468.047,226	4.738.839,385	554,100	edif
1024	468.045,067	4.738.836,169	553,940	edif

3000	468.048,869	4.738.838,417	554,000	puerta
3001	468.050,066	4.738.837,746	554,000	puerta
3002	468.049,027	4.738.836,236	553,950	re
3003	468.054,072	4.738.832,805	553,840	re
3004	468.061,074	4.738.828,027	553,490	re
3005	468.062,900	4.738.826,676	553,430	re
3006	468.061,102	4.738.824,126	553,380	HORMIGONIMPRESO
3007	468.063,324	4.738.826,434	553,420	HORMIGONIMPRESO
3008	468.064,753	4.738.828,639	553,520	HORMIGONIMPRESO
3009	468.070,905	4.738.817,027	553,310	edif
3010	468.069,149	4.738.817,041	553,260	edif
3011	468.066,149	4.738.817,028	553,260	FINEDIFA3
br1	468.009,373	4.738.817,257	552,150	
br3	468.073,686	4.738.821,685	553,420	
br4	468.029,769	4.738.816,197	552,660	puerta

ACERA DE C/ MAYOR				
Nº PUNTO	COORDENADA X	COORDENADA Y	ALTURA	CODIGO
25	467.893,499	4.738.967,677	558,037	BOR
26	467.890,511	4.738.969,882	558,286	ACERA
100	467.905,818	4.738.964,163	557,670	baldosa
101	467.906,512	4.738.965,203	557,610	baldosa
102	467.906,359	4.738.965,012	557,720	armario
103	467.906,070	4.738.964,914	557,680	armario
104	467.904,411	4.738.965,899	557,750	armario
105	467.904,705	4.738.966,510	557,710	armario
106	467.904,779	4.738.964,867	557,740	arq
109	467.881,660	4.738.971,427	558,590	arq
110	467.881,603	4.738.970,992	558,360	sumi
111	467.874,512	4.738.973,108	558,910	bor
112	467.874,715	4.738.974,276	558,930	muro
113	467.869,288	4.738.975,308	559,210	arq
114	467.868,781	4.738.975,480	559,150	fa
115	467.861,605	4.738.976,823	559,560	bor
116	467.861,581	4.738.977,796	559,600	muro
117	467.850,264	4.738.980,929	560,120	muro
118	467.850,191	4.738.980,119	560,100	bor
119	467.849,165	4.738.980,394	560,150	bor
120	467.848,811	4.738.980,629	560,140	bor
121	467.848,726	4.738.980,941	560,140	bor
122	467.848,739	4.738.981,379	560,170	bor
123	467.848,935	4.738.981,395	560,180	peldano
124	467.850,190	4.738.981,389	560,130	peldano
125	467.850,180	4.738.981,350	560,240	peldano
126	467.848,991	4.738.981,494	560,250	peldano
127	467.848,972	4.738.981,753	560,280	peldano
128	467.850,217	4.738.981,607	560,240	peldano
129	467.850,216	4.738.981,680	560,330	peldano
130	467.848,993	4.738.981,784	560,390	peldano
131	467.848,975	4.738.982,030	560,410	peldano
132	467.850,217	4.738.981,928	560,350	peldano
133	467.850,213	4.738.981,981	560,470	peldano
134	467.848,959	4.738.981,994	560,530	peldano
135	467.849,061	4.738.982,310	560,540	peldano
136	467.850,236	4.738.982,249	560,500	peldano
137	467.850,231	4.738.982,305	560,590	peldano
138	467.849,021	4.738.982,379	560,620	peldano

139	467.849,053	4.738.982,604	560,620	peldano
140	467.850,158	4.738.982,570	560,670	peldano
141	467.850,156	4.738.982,613	560,770	peldano
142	467.849,033	4.738.982,645	560,730	peldano
143	467.849,059	4.738.982,928	560,740	peldano
144	467.850,164	4.738.982,852	560,770	peldano
145	467.850,165	4.738.982,903	560,830	peldano
146	467.849,123	4.738.982,956	560,830	peldano
147	467.849,101	4.738.983,231	560,860	peldano
148	467.850,205	4.738.983,229	560,860	peldano
149	467.850,227	4.738.983,025	560,950	purta
150	467.850,343	4.738.986,890	560,970	purta
151	467.849,944	4.738.984,666	560,940	arq