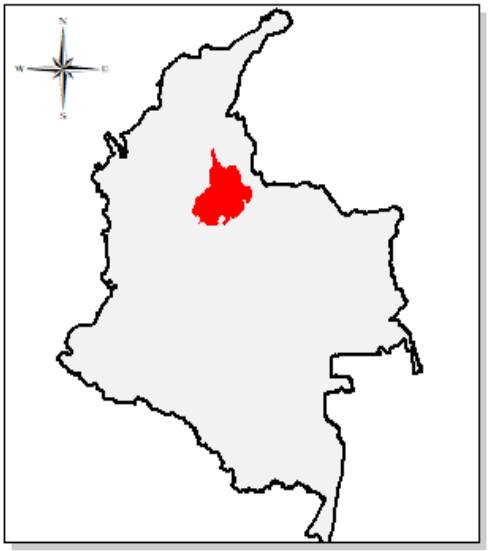
Proyecto		Fecha Elaboración	D	M	A	Fecha Radicación	D	m	A
			01	09	2025				
Objeto	**"PAVIMENTACIÓN Y REHABILITACIÓN VIAL EN LAS CALLES 23A y 23; EN EL BARRIO ALTOS DEL PIENTA DEL CASCO URBANO DEL MUNICIPIO DE CHARALÁ, SANTANDER"**								
Tipo	ESTUDIO TOPOGRAFICO								
Ubicación	SANTANDER								
Municipio	CHARALA								
Gestor Técnico									
Líder Proyecto	TOP. HECTOR LEANDRO BARAJAS M.								
Apoyo Topografía									

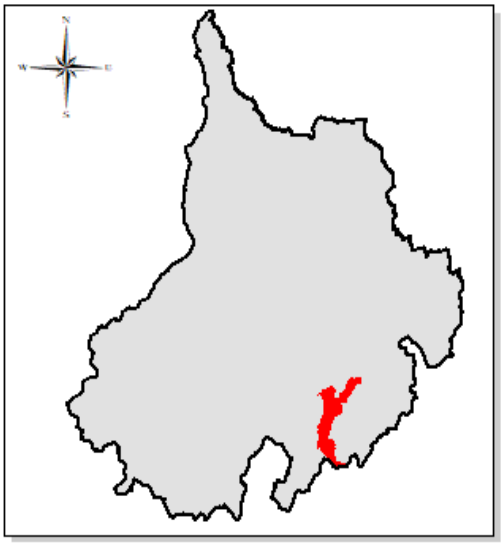
1. Información General

El presente informe contiene los resultados de los estudios topográficos, del proyecto en mención, En el municipio de CHARALA.

LOCALIZACIÓN GENERAL DEL PROYECTO



COLOMBIA



DEPARTAMENTO DE SANTANDER

URBANIZACION ALTOS DEL PIENTA	URBANIZACION ALTOS DEL PIENTA
CALLE 23	CALLE 23ª
	

2. Objetivos

1. Levantamiento Topográfico planimétrico y altimétrico.
2. Geo-referenciar el levantamiento a coordenadas (Norte, Este, Cota, Descripción).

3. Desarrollo del Levantamiento Topográfico (Esquema de Actividad)

a) **Reconocimiento de campo:** se realizó inicialmente un recorrido de reconocimiento de las vías a intervenir del Municipio; con el fin de conocer la topografía del terreno.

b) **Trabajos de campo:** Se ejecutaron los levantamientos topográficos de la zona determinada para el estudio.
El levantamiento Topográfico se amarro de las coordenadas geográficas de los deltas.

c) **Análisis e interpretación de la información recolectada:** Los trabajos topográficos realizados se ejecutaron por medio de radiación y usando una poligonal abierta, con la Estación Total SOKKIA SET 630R que mide ángulos horizontales y verticales tomando el registro en Cartera Electrónica de las respectivas distancias.

d) Con la información tomada en campo se procedió a la interpretación de los datos a través del Software AutoCAD civil 3D y AutoCAD, para continuar con la elaboración de los planos preliminares.

e) **Informe final:** Se proyecta este informe final con la información recolectada en el desarrollo de la labor de campo.

4. Cronograma de Actividades Ejecutadas

ITEM	DESCRIPCION	JUNIO DE 2025									
		DIA 1	DIA 2	DIA 3	DIA 4	DIA 5	DIA 6	DIA 7	DIA 8	DIA 9	DIA 10
1	VISITA DE CAMPO	X									
2	HECHURA DE MOJONES EN CONCRETO		X								
3	LEVANT. TOPOGRAFICO			X	X	X	X	X			
4	CALCULOS DE COORDENADAS								X		
5	PLANOS TOPOGRAFICOS									X	
6	INFORME FINAL										X

5. Planimetría y Altimetría

El levantamiento topográfico se inicia realizando el amarre planimétrico y altimétrico de los mojones a la red geodésica IGAC, con coordenadas conocidas; Se da comienzo a la materialización de deltas de la poligonal; y a partir de allí se empezó a levantar las diferentes calles. materializar los demás deltas que componen este levantamiento topográfico cuya ubicación y coordenadas se pueden apreciar en el plano del levantamiento topográfico.

PUNTOS DE AMARRE

GPS-S-T-29	GPS-S-T-30
Latitud= 6.28547 **Longitud= -73.1447** **Altura= 1314.48** **N= 1103224.118** **E= 1186898.760** **Z= 1314.48**	**Latitud= 6.29055** **Longitud= -73.1554** **Altura= 1398.03** **N= 1102038.869** **E= 1187458.518** **Z= 1398.03**
	

TOMA DE DATOS DE CAMPO

PROCEDIMIENTO

Se realiza el amarre de coordenadas, con dos 2 puntos referenciados a la red geodésica del IGAC: Denominados GPS-S-T-29 y GPS-S-T-30. Se procede a armar el equipo en delta 1000 se nivela y se programa el equipo ingresando las coordenadas del delta 1000 y la referencia atrás denominado 1001. El levantamiento se realizó por el método de radiación desde el delta 1000 y luego desde el delta 1002; en cada punto por radiación y realizando amarre al punto anterior y por poligonal abierta tomando los diferentes detalles existentes en el sitio, y formas existentes del relieve. Igualmente, en las demás calles se trasladaron las coordenadas para iniciar con el levantamiento topográfico.

BARRIO/URBANIZACIÓN	DIRECCIÓN	DISTANCIA
URB. ALTOS DEL PIENTA	CALLE 23	24,50 M
URB. ALTOS DEL PIENTA	CALLE 23A	46,00 M
		70,50 M

CONCLUSIONES

1. En el estudio topográfico se logró tomar la información de detalles y formas del relieve del terreno objeto del estudio.
2. La información obtenida en campo servirá para la toma de decisiones en el desarrollo de nuevos proyectos.

EQUIPOS UTILIZADOS

El equipo utilizado en levantamiento altimétrico es el siguiente:			
	UNID	CANT	ESTADO
✓ Estación Total, marca SOKKIA SET 630R	Unid	1	Ok
✓ Trípode metálico	Unid	1	Ok
✓ Prisma	Unid	1	Ok
✓ Cinta métrica de 20.00 Metros	Unid	1	Ok
✓ Herramientas menores	Unid	1	Ok

✓	Porta prisma	Unid	1	Ok
✓	GPSMAP 64X GARMIN	Unid	1	OK

6. Formatos – Documentos Anexos

1. Certificación expedida por el topógrafo encargado donde conste que realizó el levantamiento y demás documentos que se presentan, firmada con cédula y matrícula (MEMORIAL DE RESPONSABILIDAD)
2. Copia cédula de ciudadanía del Topógrafo.
3. Copia Matrícula Profesional.
4. Certificado de calibración de equipo topográfico estación total

7. Observaciones Adicionales

8. Firmas Responsables

Nombre Topógrafo que entrega	TOP. HECTOR LEANDRO BARAJAS M.	Firma	
Fecha	JULIO DE 2025		

CARTERA DE COORDENADAS DEL LEVANTAMIENTO TOPOGRAFICO

LEVANTAMIENTO PLANIMETRICO Y ALTIMETRICO URBANIZACION ALTOS DEL PIENTA (CALLE 23- CALLE 23a - CALLE 11a EN EL MUNICIPIO DE CHARALA, SANTANDER"				
PUNTO	**NORTE**	**ESTE**	**ELEVACION**	**DESCRIPCION**
1	11.870.509.380	11.033.250.809	13.114.680	PM
2	11.870.510.119	11.033.246.415	13.114.230	AN
3	11.870.510.700	11.033.241.477	13.113.650	BV
4	11.870.504.941	11.033.223.113	13.114.100	PAN
5	11.870.503.591	11.033.212.420	13.115.140	EJE
6	11.870.506.629	11.033.184.951	13.119.600	BV
7	11.870.511.847	11.033.169.964	13.125.930	PM
8	11.870.503.650	11.033.222.674	13.104.640	PAN_FONDO
9	11.870.521.804	11.033.249.858	13.114.220	MED_AGUA
10	11.870.547.750	11.033.257.023	13.113.780	PM
11	11.870.549.063	11.033.250.651	13.113.480	AN
12	11.870.549.924	11.033.243.948	13.111.860	BV
13	11.870.544.338	11.033.217.006	13.112.870	EJE
14	11.870.552.621	11.033.190.716	13.113.370	BV
15	11.870.545.895	11.033.170.419	13.118.640	PM
17	11.870.631.420	11.033.262.864	13.105.150	PM
18	11.870.632.326	11.033.250.591	13.101.700	BV
19	11.870.617.279	11.033.259.626	13.107.340	AN
20	11.870.618.277	11.033.259.278	13.103.900	AN
21	11.870.621.706	11.033.221.976	13.104.190	EJE
22	11.870.619.209	11.033.196.003	13.104.210	BV

23	11.870.607.293	11.033.194.805	13.106.590	BV
24	11.870.604.083	11.033.180.959	13.113.770	VA
26	11.870.618.864	11.033.183.742	13.118.750	PM
28	11.870.618.274	11.033.182.428	13.120.610	AN
29	11.870.618.152	11.033.182.936	13.120.650	PM
30	11.870.609.661	11.033.182.425	13.120.480	AN
31	11.870.608.304	11.033.179.644	13.113.100	BV
32	11.870.580.238	11.033.172.178	13.114.330	EJE
33	11.870.558.421	11.033.165.860	13.116.390	BV
34	11.870.546.692	11.033.164.766	13.119.450	PM
35	11.870.614.058	11.033.143.444	13.120.830	MED_AGUA
36	11.870.619.389	11.033.123.869	13.120.890	PM
37	11.870.610.472	11.033.123.648	13.120.800	AN
38	11.870.619.557	11.033.122.652	13.126.970	PM
39	11.870.610.788	11.033.122.475	13.126.760	AN
40	11.870.608.780	11.033.120.473	13.124.510	BV
41	11.870.581.585	11.033.117.000	13.124.990	EJE
42	11.870.558.739	11.033.112.983	13.126.320	BV
43	11.870.548.163	11.033.110.895	13.128.940	PM
44	11.870.558.802	11.033.072.765	13.133.560	BV
45	11.870.549.340	11.033.070.972	13.138.340	PM
46	11.870.582.698	11.033.068.593	13.133.790	EJE
47	11.870.608.128	11.033.065.041	13.127.320	BV
49	11.870.620.770	11.033.065.075	13.126.870	PM
50	11.870.620.713	11.033.063.633	13.138.020	PM
51	11.870.612.405	11.033.062.126	13.137.910	AN
52	11.870.607.421	11.033.060.874	13.136.780	BV
53	11.870.612.804	11.033.059.915	13.137.960	AN
54	11.870.562.407	11.033.043.668	13.140.850	PBT_PLUZ
55	11.870.550.003	11.033.051.252	13.144.860	PM
56	11.870.566.058	11.033.030.297	13.141.270	BV
57	11.870.583.635	11.033.027.465	13.140.100	EJE
58	11.870.609.180	11.033.027.125	13.137.680	BV
59	11.870.613.541	11.033.005.768	13.138.060	AN
61	11.870.616.527	11.033.034.452	13.138.070	MED_AGUA
62	11.870.584.961	11.033.002.315	13.146.680	PAN
63	11.870.611.579	11.032.999.162	13.146.210	BV
64	11.870.621.697	11.033.002.480	13.151.400	PM
65	11.870.613.466	11.033.000.635	13.150.820	AN
66	11.870.584.342	11.032.995.053	13.147.680	EJE
67	11.870.565.324	11.033.002.021	13.146.560	EJE
68	11.870.617.693	11.032.971.902	13.151.800	MED_AGUA
69	11.870.623.176	11.032.945.579	13.152.040	PM

70	11.870.613.954	11.032.945.532	13.151.850	AN
71	11.870.612.092	11.032.945.630	13.151.640	BV
72	11.870.585.480	11.032.945.316	13.158.340	EJE
73	11.870.564.115	11.032.946.732	13.157.710	BV
74	11.870.622.690	11.032.944.488	13.160.730	PM
77	11.870.624.292	11.032.886.099	13.160.880	PM
78	11.870.616.142	11.032.886.906	13.160.930	AN
79	11.870.618.500	11.032.917.737	13.160.890	MED_AGUA
82	11.870.622.785	11.032.884.625	13.174.030	PM
85	11.870.612.134	11.032.864.950	13.172.840	BV
86	11.870.578.102	11.033.226.127	13.095.480	PAN_FONDO
87	11.870.579.436	11.033.225.947	13.109.670	PAN
88	11.870.619.734	11.033.031.073	13.138.150	C_LUZ
89	11.870.617.483	11.032.963.886	13.151.760	MED_AGUA
92	11.870.564.479	11.032.934.507	13.160.860	BV
93	11.870.550.504	11.032.933.703	13.161.570	MURO
94	11.870.552.045	11.032.886.036	13.172.580	MURO
95	11.870.558.818	11.032.883.757	13.173.560	BV
96	11.870.586.938	11.032.879.586	13.171.490	EJE
97	11.870.626.067	11.032.826.254	13.174.490	PM
98	11.870.615.025	11.032.829.756	13.174.330	AN
99	11.870.620.094	11.032.847.675	13.174.070	MED_AGUA
100	11.870.619.053	11.032.853.513	13.174.040	MED_AGUA
101	11.870.612.518	11.032.829.610	13.179.460	BV
102	11.870.587.886	11.032.842.293	13.184.590	EJE
103	11.870.561.302	11.032.825.759	13.186.560	BV
104	11.870.553.641	11.032.825.276	13.186.180	MURO
106	11.870.542.994	11.032.791.189	13.197.320	PM
109	11.870.530.961	11.032.850.823	13.199.850	PM
111	11.870.540.571	11.032.850.909	13.188.980	AN
113	11.870.532.880	11.032.791.241	13.209.910	PM
114	11.870.542.011	11.032.790.846	13.209.540	AN
115	11.870.531.932	11.032.820.958	13.209.920	PM
117	11.870.542.068	11.032.822.576	13.198.480	AN
118	11.870.532.873	11.032.877.923	13.199.830	MED_AGUA
119	11.870.539.547	11.032.878.683	13.190.080	AN
122	11.870.549.089	11.032.925.889	13.190.710	AN
123	11.870.528.335	11.032.924.523	13.190.730	PM
124	11.870.526.666	11.032.970.287	13.158.060	PM
125	11.870.546.919	11.032.971.262	13.159.730	ESC
126	11.870.547.769	11.032.971.291	13.154.150	BV
127	11.870.535.204	11.033.002.405	13.153.920	EJE
128	11.870.548.518	11.033.035.004	13.145.600	BV

129	11.870.546.298	11.033.040.736	13.147.270	AN
130	11.870.548.799	11.033.049.664	13.147.720	PM
131	11.870.534.752	11.033.045.338	13.147.400	MED_AGUA
132	11.870.617.678	11.032.823.875	13.187.000	AN
133	11.870.615.827	11.032.822.123	13.187.240	BV
134	11.870.588.718	11.032.803.928	13.186.790	EJE
135	11.870.626.222	11.032.824.687	13.193.740	PM
136	11.870.621.046	11.032.791.982	13.193.340	MED_AGUA
137	11.870.627.683	11.032.765.905	13.193.340	PM
138	11.870.619.764	11.032.766.217	13.193.270	AN
139	11.870.618.498	11.032.767.809	13.190.970	BV
140	11.870.589.578	11.032.767.479	13.194.970	EJE
141	11.870.585.637	11.032.779.043	13.193.830	PAN
142	11.870.563.334	11.032.776.712	13.194.860	BV
143	11.870.558.309	11.032.731.047	13.203.040	PM
144	11.870.533.124	11.032.786.166	13.220.050	PM
147	11.870.534.486	11.032.740.685	13.219.920	PM
148	11.870.553.109	11.032.697.592	13.217.310	PBT_PLUZ
149	11.870.570.116	11.032.712.618	13.206.490	TN
150	11.870.589.223	11.032.718.729	13.204.980	TN
151	11.870.604.154	11.032.722.865	13.203.690	TN
152	11.870.624.636	11.032.728.777	13.201.790	TN
153	11.870.586.289	11.032.778.998	13.182.200	PAN_FONDO
154	11.870.584.346	11.033.002.111	13.133.570	PAN_FONDO
155	11.870.523.295	11.032.971.191	13.158.350	PM
156	11.870.520.487	11.032.979.090	13.157.660	BV
157	11.870.518.287	11.033.002.575	13.156.830	EJE
158	11.870.515.962	11.033.035.172	13.155.660	BV
159	11.870.490.879	11.033.047.672	13.147.950	PM
160	11.870.491.160	11.033.038.717	13.147.850	AN
161	11.870.489.269	11.033.047.196	13.169.520	PM
162	11.870.488.937	11.033.038.837	13.168.880	AN
163	11.870.474.041	11.033.042.463	13.168.890	MED_AGUA
164	11.870.461.103	11.033.042.682	13.168.770	MED_AGUA
165	11.870.470.198	11.033.037.235	13.167.230	BV
166	11.870.466.081	11.033.003.302	13.167.220	EJE
167	11.870.466.869	11.032.978.826	13.170.280	BV
168	11.870.465.192	11.032.969.316	13.176.090	PM
169	11.870.435.377	11.032.978.558	13.177.060	BV
170	11.870.436.780	11.032.977.559	13.189.460	AN
171	11.870.429.982	11.033.003.701	13.176.760	EJE
172	11.870.428.836	11.033.034.635	13.178.110	BV
173	11.870.430.746	11.033.036.419	13.186.360	AN

174	11.870.430.049	11.033.045.185	13.186.310	PM
175	11.870.397.788	11.033.040.419	13.186.080	MED_AGUA
176	11.870.376.837	11.033.039.338	13.186.210	MED_AGUA
177	11.870.371.338	11.033.044.126	13.186.550	PM
178	11.870.376.749	11.033.035.706	13.186.310	AN
179	11.870.379.243	11.033.033.771	13.185.810	BV
180	11.870.384.571	11.033.004.350	13.189.750	EJE
181	11.870.383.602	11.032.980.456	13.191.000	BV
184	11.870.384.915	11.032.966.512	13.190.440	PM
185	11.870.362.169	11.032.978.994	13.197.380	BV
186	11.870.363.095	11.033.004.576	13.193.740	EJE
187	11.870.362.453	11.033.033.134	13.197.360	BV
188	11.870.369.841	11.033.035.510	13.203.250	PBT_PLUZ
189	11.870.370.506	11.033.043.767	13.203.280	PM
191	11.870.331.711	11.033.038.674	13.203.230	MED_AGUA
192	11.870.311.154	11.033.041.393	13.203.450	PM
193	11.870.313.813	11.033.033.461	13.208.240	HHDRANTE
194	11.870.312.057	11.033.032.822	13.203.520	AN
195	11.870.312.378	11.033.031.448	13.203.840	BV
196	11.870.313.076	11.033.005.297	13.205.260	EJE
197	11.870.314.319	11.032.978.018	13.206.940	BV
199	11.870.265.064	11.033.003.078	13.220.020	EJE
200	11.870.265.032	11.033.030.314	13.216.860	BV
201	11.870.309.608	11.033.033.207	13.220.300	AN
202	11.870.309.568	11.033.041.638	13.220.480	PM
203	11.870.251.512	11.033.040.833	13.221.040	PM
204	11.870.252.905	11.033.031.382	13.221.080	AN
205	11.870.252.904	11.033.029.612	13.220.840	BV
206	11.870.245.400	11.033.002.179	13.226.180	EJE
207	11.870.227.209	11.033.012.660	13.231.670	PAN
208	11.870.219.810	11.033.037.010	13.238.400	MED_AGUA
209	11.870.250.606	11.033.032.181	13.238.170	AN
210	11.870.250.188	11.033.040.534	13.238.200	PM
211	11.870.383.484	11.032.966.569	13.200.590	PM
212	11.870.381.184	11.032.967.858	13.200.390	C_LUZ
213	11.870.383.954	11.032.975.472	13.200.360	AN
214	11.870.367.698	11.032.967.995	13.200.310	MED_AGUA
215	11.870.318.465	11.032.964.868	13.200.600	PM
216	11.870.318.282	11.032.973.476	13.200.010	AN
218	11.870.317.712	11.032.964.571	13.213.120	PM
219	11.870.316.413	11.032.973.424	13.212.990	AN
220	11.870.309.075	11.032.967.898	13.213.130	MED_AGUA
221	11.870.287.922	11.032.963.332	13.212.060	PM

222	11.870.288.012	11.032.972.246	13.212.810	AN
224	11.870.274.047	11.032.963.420	13.210.890	MURO
225	11.870.266.473	11.032.975.083	13.212.170	BV
227	11.870.234.800	11.032.969.049	13.225.940	EJE
228	11.870.190.471	11.032.960.052	13.234.700	PM
229	11.870.196.226	11.032.961.701	13.233.440	BV
230	11.870.190.662	11.032.999.476	13.233.620	EJE
231	11.870.190.529	11.033.027.800	13.229.670	PLUZ
232	11.870.190.604	11.033.026.722	13.229.500	BV
233	11.870.195.255	11.033.029.837	13.229.880	AN
234	11.870.191.786	11.033.039.551	13.230.020	PM
235	11.870.190.462	11.033.031.249	13.246.290	AN
236	11.870.190.054	11.033.039.142	13.246.680	PM
237	11.870.155.146	11.033.034.227	13.245.690	MED_AGUA
240	11.870.132.292	11.033.038.174	13.246.840	PM
242	11.870.133.520	11.033.024.889	13.246.060	BV
243	11.870.133.535	11.032.996.796	13.247.410	EJE
244	11.870.131.463	11.032.969.118	13.252.090	BV
245	11.870.130.296	11.032.958.279	13.254.790	PM
246	11.870.136.119	11.032.960.421	13.254.780	MED_AGUA
247	11.870.143.907	11.032.960.616	13.253.140	MED_AGUA
248	11.870.164.597	11.032.959.490	13.245.340	PM
249	11.870.165.081	11.032.968.233	13.245.090	ESC
250	11.870.165.010	11.032.970.042	13.241.570	BV
251	11.870.157.456	11.032.998.075	13.239.850	EJE
252	11.870.153.417	11.033.026.596	13.243.710	BV
253	11.870.108.998	11.033.016.256	13.255.580	PAN
254	11.870.113.033	11.033.026.329	13.254.480	BV
255	11.870.130.781	11.033.029.268	13.262.280	AN
256	11.870.130.702	11.033.037.709	13.262.360	PM
257	11.870.120.672	11.033.033.582	13.262.470	MED_AGUA
258	11.870.114.654	11.033.033.427	13.262.340	MED_AGUA
261	11.870.072.524	11.033.036.491	13.263.010	PM
263	11.870.070.661	11.033.022.806	13.261.570	BV
264	11.870.064.266	11.033.020.302	13.263.660	TN
265	11.870.071.408	11.033.006.039	13.263.880	TN
266	11.870.079.095	11.032.986.236	13.262.580	TN
267	11.870.085.708	11.032.975.042	13.262.930	TN
268	11.870.096.307	11.032.968.518	13.261.300	TN
269	11.870.111.201	11.032.968.523	13.256.460	BV
270	11.870.235.958	11.032.931.525	13.229.080	EJE
271	11.870.200.229	11.032.922.421	13.231.880	BV
272	11.870.193.020	11.032.839.048	13.236.180	PM

273	11.870.205.040	11.032.840.099	13.232.060	BV
274	11.870.238.856	11.032.840.871	13.231.080	EJE
275	11.870.267.736	11.032.845.869	13.231.010	BV
276	11.870.267.112	11.032.871.841	13.230.510	BV
277	11.870.268.231	11.032.871.016	13.231.930	AN
278	11.870.284.253	11.032.864.865	13.232.370	MED_AGUA
279	11.870.288.897	11.032.870.080	13.232.450	PM
280	11.870.289.956	11.032.843.907	13.233.310	PM
281	11.870.280.687	11.032.842.399	13.233.070	AN
282	11.870.286.520	11.032.814.313	13.232.890	MED_AGUA
283	11.870.292.027	11.032.781.978	13.232.960	PM
284	11.870.282.942	11.032.782.554	13.232.810	AN
285	11.870.271.192	11.032.782.430	13.231.530	BV
286	11.870.278.891	11.032.875.147	13.215.340	MURO
287	11.870.240.861	11.032.779.187	13.231.270	EJE
288	11.870.213.031	11.032.782.724	13.231.800	BV
289	11.870.199.400	11.032.783.478	13.235.270	TN
290	11.870.217.808	11.032.768.658	13.224.690	PAN_FONDO
291	11.870.218.085	11.032.767.463	13.232.080	PAN
292	11.870.204.296	11.032.728.504	13.231.620	BV
293	11.870.175.680	11.032.703.115	13.233.490	PBT
294	11.870.191.294	11.032.702.225	13.229.700	BV
295	11.870.242.624	11.032.723.704	13.231.060	EJE
296	11.870.288.411	11.032.748.819	13.232.830	MED_AGUA
297	11.870.282.659	11.032.725.243	13.231.440	AN
298	11.870.293.850	11.032.723.554	13.233.220	PM
299	11.870.277.606	11.032.724.910	13.231.490	BV
300	11.870.282.295	11.032.688.036	13.229.950	CERCA
301	11.870.263.817	11.032.687.761	13.229.970	CERCA
302	11.870.232.225	11.032.690.582	13.229.800	CERCA
303	11.870.211.789	11.032.690.633	13.230.330	CERCA
304	11.870.199.601	11.032.671.714	13.227.330	CERCA
700	11.870.578.118	11.033.226.748	13.095.360	PAN_FONDO
1000	11.870.576.763	11.033.232.729	13.110.000	DELTA
1001	11.870.952.268	11.033.241.166	13.048.270	DELTA
1003	11.870.590.847	11.032.748.863	13.197.810	DELTA
1005	11.870.576.763	11.033.232.749	13.110.020	DELTA
1006	11.870.206.287	11.033.002.258	13.237.710	DELTA
1007	11.870.206.287	11.033.002.258	13.229.410	DELTA
1008	11.870.583.264	11.032.987.063	13.142.240	DELTA
1009	11.870.260.735	11.032.712.718	13.231.020	DELTA
1010	11.870.260.735	11.032.712.718	13.231.020	DELTA
7347	11.870.111.093	11.032.995.845	13.255.500	EJE

7348	11.870.579.795	11.033.192.748	13.110.000	EJE

REGISTRO FOTOGRAFICO DEL LEVANTAMIENTO TOPOGRAFICO

URBANIZACION ALTOS DEL PIENTA

CALLE 23 - CALLE 23A











LEVANTAMIENTO PLANIMETRICO Y ALTIMETRICO URBANIZACION ALTOS DEL PIENTA (CALLE 23- CALLE 23a - CALLE 11a EN EL MUNICIPIO DE CHARALA, SANTANDER"				
PUNTO	**NORTE**	**ESTE**	**ELEVACION**	**DESCRIPCION**
1	11.870.509.380	11.033.250.809	13.114.680	PM
2	11.870.510.119	11.033.246.415	13.114.230	AN
3	11.870.510.700	11.033.241.477	13.113.650	BV
4	11.870.504.941	11.033.223.113	13.114.100	PAN
5	11.870.503.591	11.033.212.420	13.115.140	EJE
6	11.870.506.629	11.033.184.951	13.119.600	BV
7	11.870.511.847	11.033.169.964	13.125.930	PM
8	11.870.503.650	11.033.222.674	13.104.640	PAN_FONDO
9	11.870.521.804	11.033.249.858	13.114.220	MED_AGUA
10	11.870.547.750	11.033.257.023	13.113.780	PM
11	11.870.549.063	11.033.250.651	13.113.480	AN
12	11.870.549.924	11.033.243.948	13.111.860	BV
13	11.870.544.338	11.033.217.006	13.112.870	EJE
14	11.870.552.621	11.033.190.716	13.113.370	BV
15	11.870.545.895	11.033.170.419	13.118.640	PM
17	11.870.631.420	11.033.262.864	13.105.150	PM
18	11.870.632.326	11.033.250.591	13.101.700	BV
19	11.870.617.279	11.033.259.626	13.107.340	AN
20	11.870.618.277	11.033.259.278	13.103.900	AN
21	11.870.621.706	11.033.221.976	13.104.190	EJE
22	11.870.619.209	11.033.196.003	13.104.210	BV
23	11.870.607.293	11.033.194.805	13.106.590	BV
24	11.870.604.083	11.033.180.959	13.113.770	VA
26	11.870.618.864	11.033.183.742	13.118.750	PM
28	11.870.618.274	11.033.182.428	13.120.610	AN
29	11.870.618.152	11.033.182.936	13.120.650	PM
30	11.870.609.661	11.033.182.425	13.120.480	AN
31	11.870.608.304	11.033.179.644	13.113.100	BV
32	11.870.580.238	11.033.172.178	13.114.330	EJE
33	11.870.558.421	11.033.165.860	13.116.390	BV
34	11.870.546.692	11.033.164.766	13.119.450	PM
35	11.870.614.058	11.033.143.444	13.120.830	MED_AGUA
36	11.870.619.389	11.033.123.869	13.120.890	PM
37	11.870.610.472	11.033.123.648	13.120.800	AN
38	11.870.619.557	11.033.122.652	13.126.970	PM
39	11.870.610.788	11.033.122.475	13.126.760	AN
40	11.870.608.780	11.033.120.473	13.124.510	BV
41	11.870.581.585	11.033.117.000	13.124.990	EJE
42	11.870.558.739	11.033.112.983	13.126.320	BV
43	11.870.548.163	11.033.110.895	13.128.940	PM
44	11.870.558.802	11.033.072.765	13.133.560	BV
45	11.870.549.340	11.033.070.972	13.138.340	PM
46	11.870.582.698	11.033.068.593	13.133.790	EJE
47	11.870.608.128	11.033.065.041	13.127.320	BV
49	11.870.620.770	11.033.065.075	13.126.870	PM

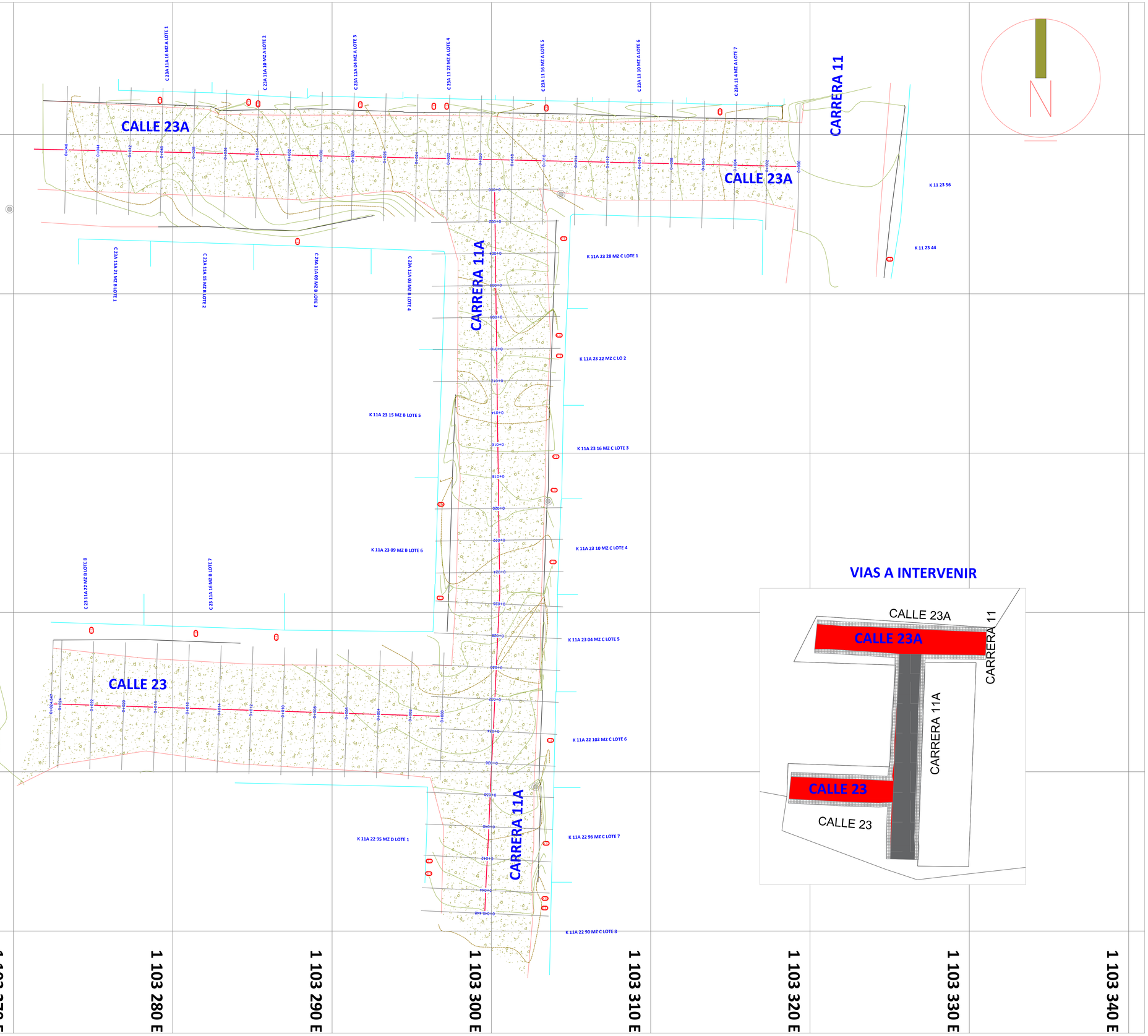
50	11.870.620.713	11.033.063.633	13.138.020	PM
51	11.870.612.405	11.033.062.126	13.137.910	AN
52	11.870.607.421	11.033.060.874	13.136.780	BV
53	11.870.612.804	11.033.059.915	13.137.960	AN
54	11.870.562.407	11.033.043.668	13.140.850	PBT_PLUZ
55	11.870.550.003	11.033.051.252	13.144.860	PM
56	11.870.566.058	11.033.030.297	13.141.270	BV
57	11.870.583.635	11.033.027.465	13.140.100	EJE
58	11.870.609.180	11.033.027.125	13.137.680	BV
59	11.870.613.541	11.033.005.768	13.138.060	AN
61	11.870.616.527	11.033.034.452	13.138.070	MED_AGUA
62	11.870.584.961	11.033.002.315	13.146.680	PAN
63	11.870.611.579	11.032.999.162	13.146.210	BV
64	11.870.621.697	11.033.002.480	13.151.400	PM
65	11.870.613.466	11.033.000.635	13.150.820	AN
66	11.870.584.342	11.032.995.053	13.147.680	EJE
67	11.870.565.324	11.033.002.021	13.146.560	EJE
68	11.870.617.693	11.032.971.902	13.151.800	MED_AGUA
69	11.870.623.176	11.032.945.579	13.152.040	PM
70	11.870.613.954	11.032.945.532	13.151.850	AN
71	11.870.612.092	11.032.945.630	13.151.640	BV
72	11.870.585.480	11.032.945.316	13.158.340	EJE
73	11.870.564.115	11.032.946.732	13.157.710	BV
74	11.870.622.690	11.032.944.488	13.160.730	PM
77	11.870.624.292	11.032.886.099	13.160.880	PM
78	11.870.616.142	11.032.886.906	13.160.930	AN
79	11.870.618.500	11.032.917.737	13.160.890	MED_AGUA
82	11.870.622.785	11.032.884.625	13.174.030	PM
85	11.870.612.134	11.032.864.950	13.172.840	BV
86	11.870.578.102	11.033.226.127	13.095.480	PAN_FONDO
87	11.870.579.436	11.033.225.947	13.109.670	PAN
88	11.870.619.734	11.033.031.073	13.138.150	C_LUZ
89	11.870.617.483	11.032.963.886	13.151.760	MED_AGUA
92	11.870.564.479	11.032.934.507	13.160.860	BV
93	11.870.550.504	11.032.933.703	13.161.570	MURO
94	11.870.552.045	11.032.886.036	13.172.580	MURO
95	11.870.558.818	11.032.883.757	13.173.560	BV
96	11.870.586.938	11.032.879.586	13.171.490	EJE
97	11.870.626.067	11.032.826.254	13.174.490	PM
98	11.870.615.025	11.032.829.756	13.174.330	AN
99	11.870.620.094	11.032.847.675	13.174.070	MED_AGUA
100	11.870.619.053	11.032.853.513	13.174.040	MED_AGUA
101	11.870.612.518	11.032.829.610	13.179.460	BV
102	11.870.587.886	11.032.842.293	13.184.590	EJE
103	11.870.561.302	11.032.825.759	13.186.560	BV
104	11.870.553.641	11.032.825.276	13.186.180	MURO
106	11.870.542.994	11.032.791.189	13.197.320	PM
109	11.870.530.961	11.032.850.823	13.199.850	PM
111	11.870.540.571	11.032.850.909	13.188.980	AN
113	11.870.532.880	11.032.791.241	13.209.910	PM

114	11.870.542.011	11.032.790.846	13.209.540	AN
115	11.870.531.932	11.032.820.958	13.209.920	PM
117	11.870.542.068	11.032.822.576	13.198.480	AN
118	11.870.532.873	11.032.877.923	13.199.830	MED_AGUA
119	11.870.539.547	11.032.878.683	13.190.080	AN
122	11.870.549.089	11.032.925.889	13.190.710	AN
123	11.870.528.335	11.032.924.523	13.190.730	PM
124	11.870.526.666	11.032.970.287	13.158.060	PM
125	11.870.546.919	11.032.971.262	13.159.730	ESC
126	11.870.547.769	11.032.971.291	13.154.150	BV
127	11.870.535.204	11.033.002.405	13.153.920	EJE
128	11.870.548.518	11.033.035.004	13.145.600	BV
129	11.870.546.298	11.033.040.736	13.147.270	AN
130	11.870.548.799	11.033.049.664	13.147.720	PM
131	11.870.534.752	11.033.045.338	13.147.400	MED_AGUA
132	11.870.617.678	11.032.823.875	13.187.000	AN
133	11.870.615.827	11.032.822.123	13.187.240	BV
134	11.870.588.718	11.032.803.928	13.186.790	EJE
135	11.870.626.222	11.032.824.687	13.193.740	PM
136	11.870.621.046	11.032.791.982	13.193.340	MED_AGUA
137	11.870.627.683	11.032.765.905	13.193.340	PM
138	11.870.619.764	11.032.766.217	13.193.270	AN
139	11.870.618.498	11.032.767.809	13.190.970	BV
140	11.870.589.578	11.032.767.479	13.194.970	EJE
141	11.870.585.637	11.032.779.043	13.193.830	PAN
142	11.870.563.334	11.032.776.712	13.194.860	BV
143	11.870.558.309	11.032.731.047	13.203.040	PM
144	11.870.533.124	11.032.786.166	13.220.050	PM
147	11.870.534.486	11.032.740.685	13.219.920	PM
148	11.870.553.109	11.032.697.592	13.217.310	PBT_PLUZ
149	11.870.570.116	11.032.712.618	13.206.490	TN
150	11.870.589.223	11.032.718.729	13.204.980	TN
151	11.870.604.154	11.032.722.865	13.203.690	TN
152	11.870.624.636	11.032.728.777	13.201.790	TN
153	11.870.586.289	11.032.778.998	13.182.200	PAN_FONDO
154	11.870.584.346	11.033.002.111	13.133.570	PAN_FONDO
155	11.870.523.295	11.032.971.191	13.158.350	PM
156	11.870.520.487	11.032.979.090	13.157.660	BV
157	11.870.518.287	11.033.002.575	13.156.830	EJE
158	11.870.515.962	11.033.035.172	13.155.660	BV
159	11.870.490.879	11.033.047.672	13.147.950	PM
160	11.870.491.160	11.033.038.717	13.147.850	AN
161	11.870.489.269	11.033.047.196	13.169.520	PM
162	11.870.488.937	11.033.038.837	13.168.880	AN
163	11.870.474.041	11.033.042.463	13.168.890	MED_AGUA
164	11.870.461.103	11.033.042.682	13.168.770	MED_AGUA
165	11.870.470.198	11.033.037.235	13.167.230	BV
166	11.870.466.081	11.033.003.302	13.167.220	EJE
167	11.870.466.869	11.032.978.826	13.170.280	BV
168	11.870.465.192	11.032.969.316	13.176.090	PM

169	11.870.435.377	11.032.978.558	13.177.060	BV
170	11.870.436.780	11.032.977.559	13.189.460	AN
171	11.870.429.982	11.033.003.701	13.176.760	EJE
172	11.870.428.836	11.033.034.635	13.178.110	BV
173	11.870.430.746	11.033.036.419	13.186.360	AN
174	11.870.430.049	11.033.045.185	13.186.310	PM
175	11.870.397.788	11.033.040.419	13.186.080	MED_AGUA
176	11.870.376.837	11.033.039.338	13.186.210	MED_AGUA
177	11.870.371.338	11.033.044.126	13.186.550	PM
178	11.870.376.749	11.033.035.706	13.186.310	AN
179	11.870.379.243	11.033.033.771	13.185.810	BV
180	11.870.384.571	11.033.004.350	13.189.750	EJE
181	11.870.383.602	11.032.980.456	13.191.000	BV
184	11.870.384.915	11.032.966.512	13.190.440	PM
185	11.870.362.169	11.032.978.994	13.197.380	BV
186	11.870.363.095	11.033.004.576	13.193.740	EJE
187	11.870.362.453	11.033.033.134	13.197.360	BV
188	11.870.369.841	11.033.035.510	13.203.250	PBT_PLUZ
189	11.870.370.506	11.033.043.767	13.203.280	PM
191	11.870.331.711	11.033.038.674	13.203.230	MED_AGUA
192	11.870.311.154	11.033.041.393	13.203.450	PM
193	11.870.313.813	11.033.033.461	13.208.240	HHDRANTE
194	11.870.312.057	11.033.032.822	13.203.520	AN
195	11.870.312.378	11.033.031.448	13.203.840	BV
196	11.870.313.076	11.033.005.297	13.205.260	EJE
197	11.870.314.319	11.032.978.018	13.206.940	BV
199	11.870.265.064	11.033.003.078	13.220.020	EJE
200	11.870.265.032	11.033.030.314	13.216.860	BV
201	11.870.309.608	11.033.033.207	13.220.300	AN
202	11.870.309.568	11.033.041.638	13.220.480	PM
203	11.870.251.512	11.033.040.833	13.221.040	PM
204	11.870.252.905	11.033.031.382	13.221.080	AN
205	11.870.252.904	11.033.029.612	13.220.840	BV
206	11.870.245.400	11.033.002.179	13.226.180	EJE
207	11.870.227.209	11.033.012.660	13.231.670	PAN
208	11.870.219.810	11.033.037.010	13.238.400	MED_AGUA
209	11.870.250.606	11.033.032.181	13.238.170	AN
210	11.870.250.188	11.033.040.534	13.238.200	PM
211	11.870.383.484	11.032.966.569	13.200.590	PM
212	11.870.381.184	11.032.967.858	13.200.390	C_LUZ
213	11.870.383.954	11.032.975.472	13.200.360	AN
214	11.870.367.698	11.032.967.995	13.200.310	MED_AGUA
215	11.870.318.465	11.032.964.868	13.200.600	PM
216	11.870.318.282	11.032.973.476	13.200.010	AN
218	11.870.317.712	11.032.964.571	13.213.120	PM
219	11.870.316.413	11.032.973.424	13.212.990	AN
220	11.870.309.075	11.032.967.898	13.213.130	MED_AGUA
221	11.870.287.922	11.032.963.332	13.212.060	PM
222	11.870.288.012	11.032.972.246	13.212.810	AN
224	11.870.274.047	11.032.963.420	13.210.890	MURO

225	11.870.266.473	11.032.975.083	13.212.170	BV
227	11.870.234.800	11.032.969.049	13.225.940	EJE
228	11.870.190.471	11.032.960.052	13.234.700	PM
229	11.870.196.226	11.032.961.701	13.233.440	BV
230	11.870.190.662	11.032.999.476	13.233.620	EJE
231	11.870.190.529	11.033.027.800	13.229.670	PLUZ
232	11.870.190.604	11.033.026.722	13.229.500	BV
233	11.870.195.255	11.033.029.837	13.229.880	AN
234	11.870.191.786	11.033.039.551	13.230.020	PM
235	11.870.190.462	11.033.031.249	13.246.290	AN
236	11.870.190.054	11.033.039.142	13.246.680	PM
237	11.870.155.146	11.033.034.227	13.245.690	MED_AGUA
240	11.870.132.292	11.033.038.174	13.246.840	PM
242	11.870.133.520	11.033.024.889	13.246.060	BV
243	11.870.133.535	11.032.996.796	13.247.410	EJE
244	11.870.131.463	11.032.969.118	13.252.090	BV
245	11.870.130.296	11.032.958.279	13.254.790	PM
246	11.870.136.119	11.032.960.421	13.254.780	MED_AGUA
247	11.870.143.907	11.032.960.616	13.253.140	MED_AGUA
248	11.870.164.597	11.032.959.490	13.245.340	PM
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250	11.870.165.010	11.032.970.042	13.241.570	BV
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253	11.870.108.998	11.033.016.256	13.255.580	PAN
254	11.870.113.033	11.033.026.329	13.254.480	BV
255	11.870.130.781	11.033.029.268	13.262.280	AN
256	11.870.130.702	11.033.037.709	13.262.360	PM
257	11.870.120.672	11.033.033.582	13.262.470	MED_AGUA
258	11.870.114.654	11.033.033.427	13.262.340	MED_AGUA
261	11.870.072.524	11.033.036.491	13.263.010	PM
263	11.870.070.661	11.033.022.806	13.261.570	BV
264	11.870.064.266	11.033.020.302	13.263.660	TN
265	11.870.071.408	11.033.006.039	13.263.880	TN
266	11.870.079.095	11.032.986.236	13.262.580	TN
267	11.870.085.708	11.032.975.042	13.262.930	TN
268	11.870.096.307	11.032.968.518	13.261.300	TN
269	11.870.111.201	11.032.968.523	13.256.460	BV
270	11.870.235.958	11.032.931.525	13.229.080	EJE
271	11.870.200.229	11.032.922.421	13.231.880	BV
272	11.870.193.020	11.032.839.048	13.236.180	PM
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274	11.870.238.856	11.032.840.871	13.231.080	EJE
275	11.870.267.736	11.032.845.869	13.231.010	BV
276	11.870.267.112	11.032.871.841	13.230.510	BV
277	11.870.268.231	11.032.871.016	13.231.930	AN
278	11.870.284.253	11.032.864.865	13.232.370	MED_AGUA
279	11.870.288.897	11.032.870.080	13.232.450	PM
280	11.870.289.956	11.032.843.907	13.233.310	PM
281	11.870.280.687	11.032.842.399	13.233.070	AN

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283	11.870.292.027	11.032.781.978	13.232.960	PM
284	11.870.282.942	11.032.782.554	13.232.810	AN
285	11.870.271.192	11.032.782.430	13.231.530	BV
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291	11.870.218.085	11.032.767.463	13.232.080	PAN
292	11.870.204.296	11.032.728.504	13.231.620	BV
293	11.870.175.680	11.032.703.115	13.233.490	PBT
294	11.870.191.294	11.032.702.225	13.229.700	BV
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301	11.870.263.817	11.032.687.761	13.229.970	CERCA
302	11.870.232.225	11.032.690.582	13.229.800	CERCA
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1003	11.870.590.847	11.032.748.863	13.197.810	DELTA
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1006	11.870.206.287	11.033.002.258	13.237.710	DELTA
1007	11.870.206.287	11.033.002.258	13.229.410	DELTA
1008	11.870.583.264	11.032.987.063	13.142.240	DELTA
1009	11.870.260.735	11.032.712.718	13.231.020	DELTA
1010	11.870.260.735	11.032.712.718	13.231.020	DELTA
7347	11.870.111.093	11.032.995.845	13.255.500	EJE
7348	11.870.579.795	11.033.192.748	13.110.000	EJE



MUNICIPIO DE CHARALÁ
SANTANDER

PROYECTO:

"PAVIMENTACIÓN Y REHABILITACIÓN VIAL EN LAS CALLES 23A y 23; EN EL BARRIO ALTOS DEL PIENTA DEL CASCO URBANO DEL MUNICIPIO DE CHARALÁ, SANTANDER"

ARCHIVO: ALTOS DEL PIENTA

DIRECCIÓN: CALLE 23A ENTRE CARRERA 11 Y 12
CALLE 23 ENTRE CARRERA 11 Y 12

LOCALIZACION:

DEPARTAMENTO: SANTANDER
MUNICIPIO: CHARALÁ

CONVENCIONES:

CURVAS DE NIVEL
VÍA DESTAPADA
POSTA DE LUZ
CERCA
POZO
MEDIDOR
DELTA

LEVANTO:

TOP: HECTOR LEANDRO BARAJAS M
T.P # 01 - 15764 C.P.N.T.

DIGITALIZO:

TOP: HECTOR LEANDRO BARAJAS M

REVISO: ALCALDÍA DE CHARALA

LOGO:

CONTIENE: PLANTA GENERAL

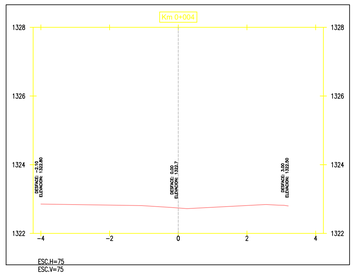
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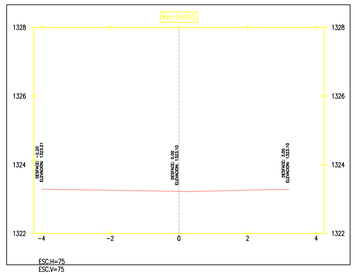
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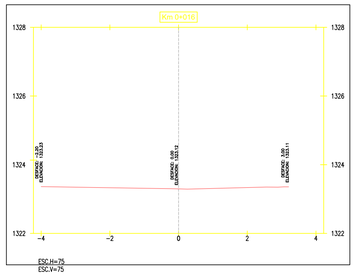
FECHA: JULIO DE 2025

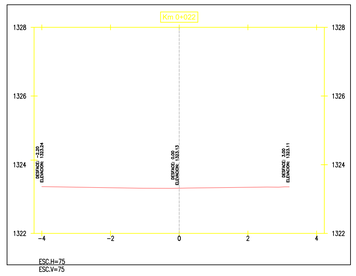
PLANO: 1 de 1

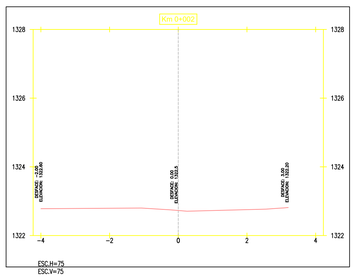
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CALLE 23

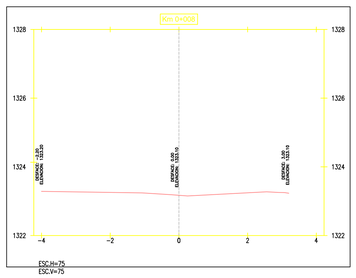


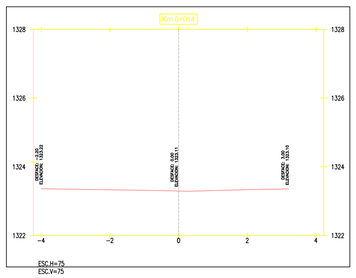


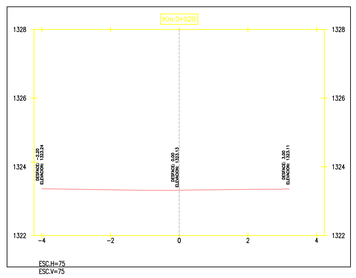


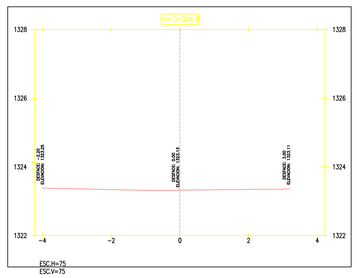


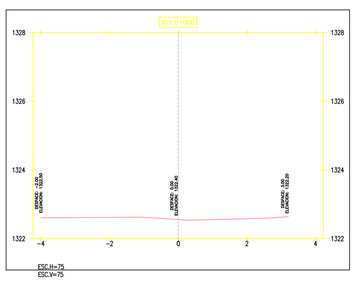


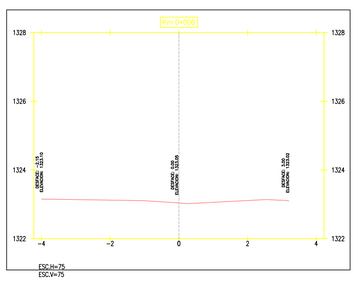


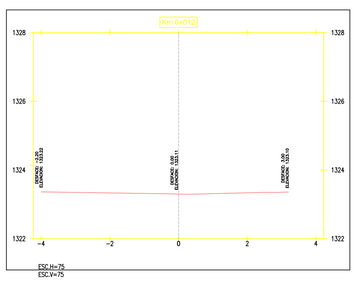


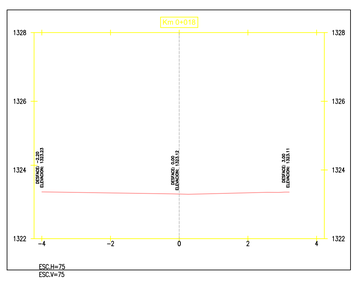


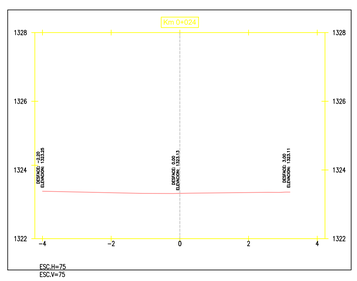












MUNICIPIO DE CHARALÁ
SANTANDER

PROYECTO:

"PAVIMENTACIÓN Y REHABILITACIÓN VIAL EN LAS CALLES 23A y 23; EN EL BARRIO ALTOS DEL PIENTA DEL CASCO URBANO DEL MUNICIPIO DE CHARALÁ, SANTANDER"

ARCHIVO:

ALTOS DEL PIENTA

DIRECCIÓN:

CALLE 23 ENTRE CARRERA 11 Y 12

LOCALIZACION:

DEPARTAMENTO: SANTANDER
MUNICIPIO: CHARALÁ

CONVENCIONES:

TERRENO

LEVANTO:

TOP: HECTOR LEANDRO BARAJAS M
T.P # 01 - 15764 C.P.N.T.

DIGITALIZO:

TOP: HECTOR LEANDRO BARAJAS M

REVISO:

ALCALDÍA DE CHARALA

LOGO:

CONTIENE:

SECCIONES TRANSVERSALES

ESCALA:

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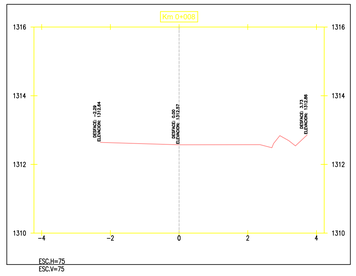
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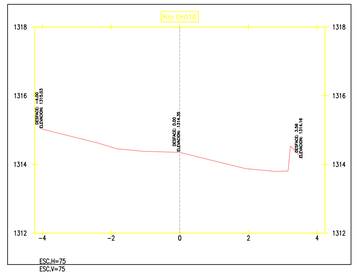
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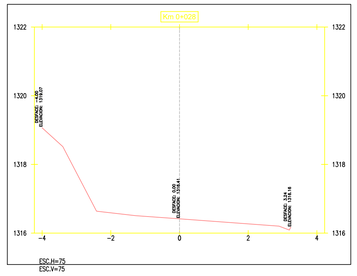
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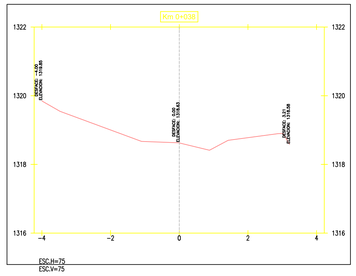
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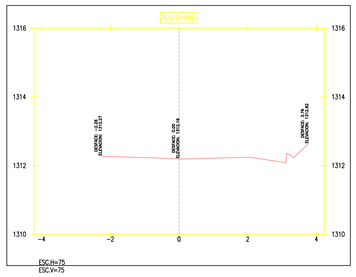
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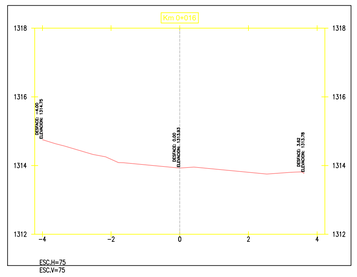


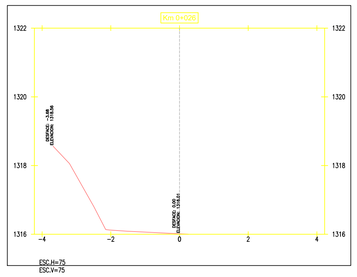


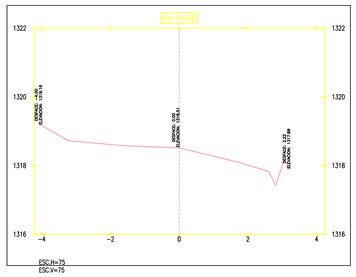


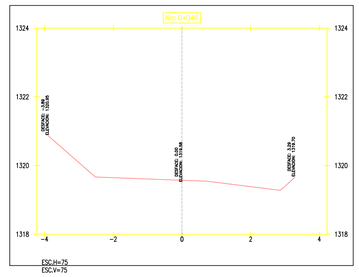


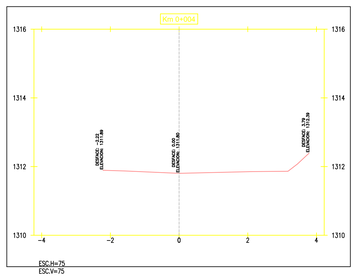


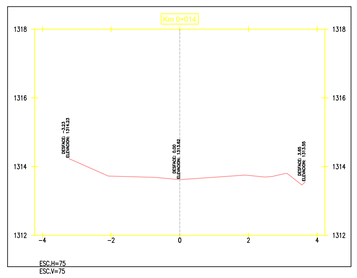


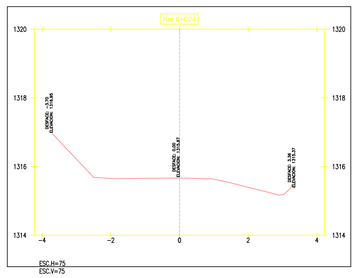


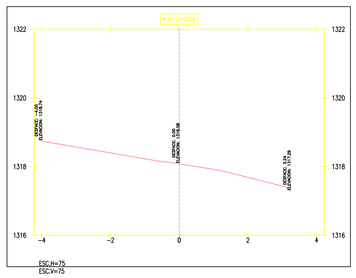


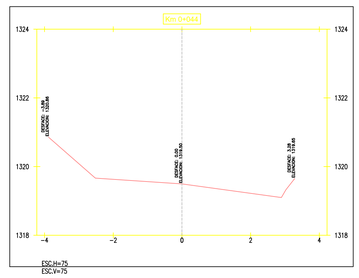


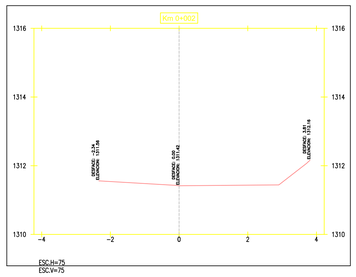


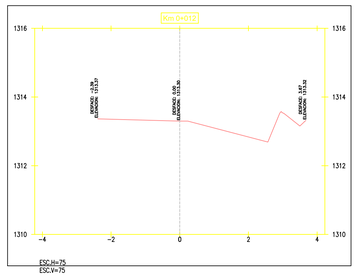


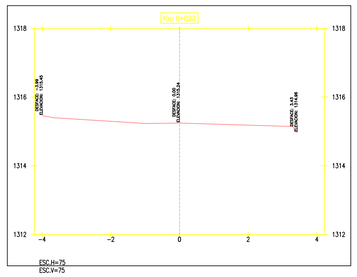


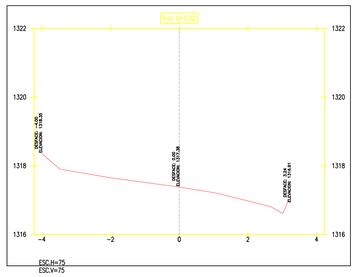


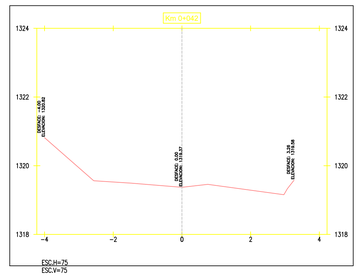


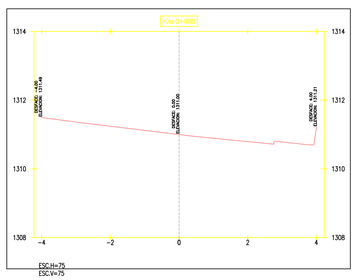


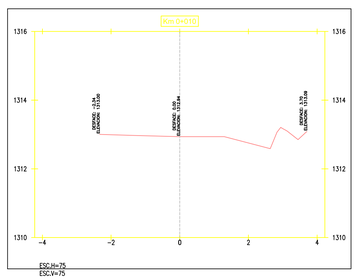


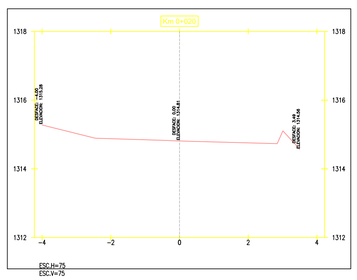


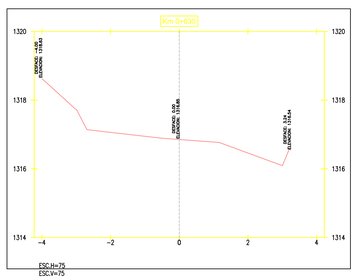


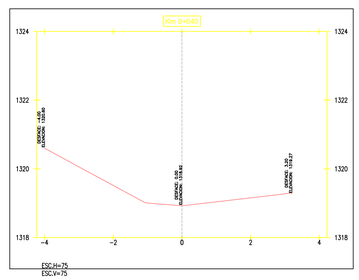












MUNICIPIO DE CHARALÁ
SANTANDER

PROYECTO:

"PAVIMENTACIÓN Y REHABILITACIÓN VIAL EN LAS CALLES 23A y 23; EN EL BARRIO ALTOS DEL PIENTA DEL CASCO URBANO DEL MUNICIPIO DE CHARALÁ, SANTANDER"

ARCHIVO:

ALTOS DEL PIENTA

DIRECCIÓN:

CALLE 23A ENTRE CARRERA 11 Y 12

LOCALIZACION:

DEPARTAMENTO: SANTANDER
MUNICIPIO: CHARALÁ

CONVENCIONES:

TERRENO

LEVANTO:

TOP: HECTOR LEANDRO BARAJAS M
T.P # 01 - 15764 C.P.N.T.

DIGITALIZO:

TOP: HECTOR LEANDRO BARAJAS M

REVISO:

ALCALDÍA DE CHARALA

LOGO:

CONTIENE:

SECCIONES TRANSVERSALES

ESCALA:

1 : 75

FECHA:

JULIO DE 2025

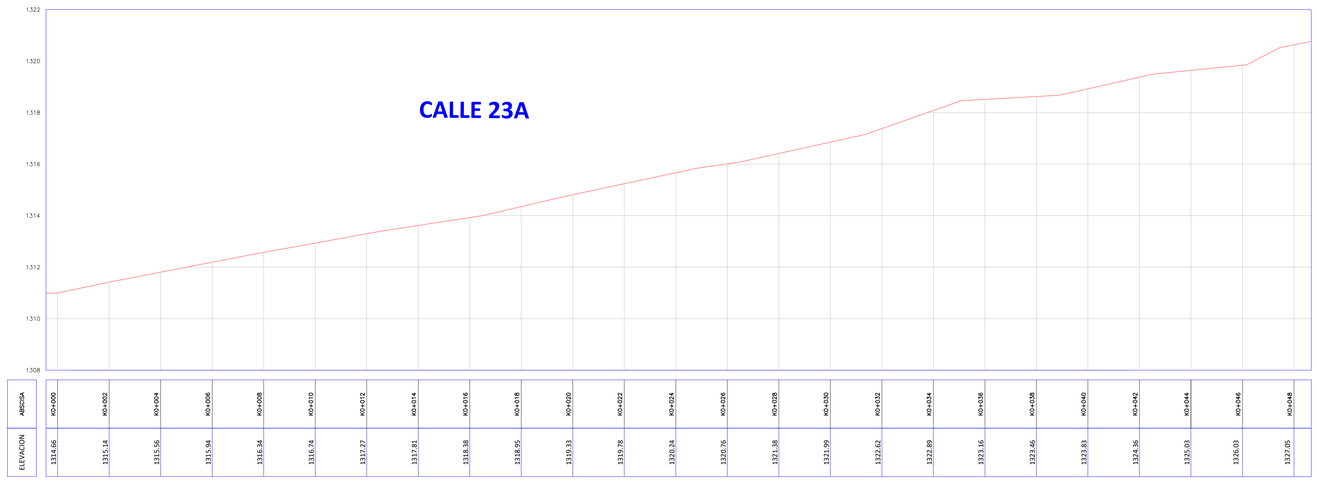
PLANO:

1 de 1

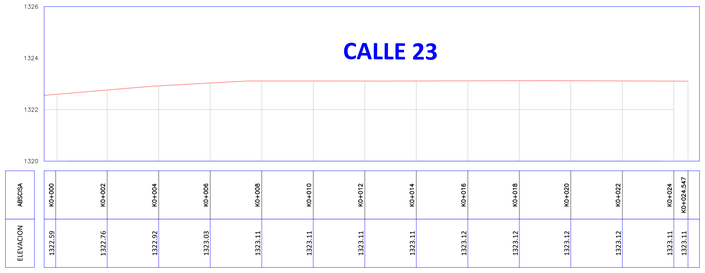
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PERFIL LONGITUDINAL

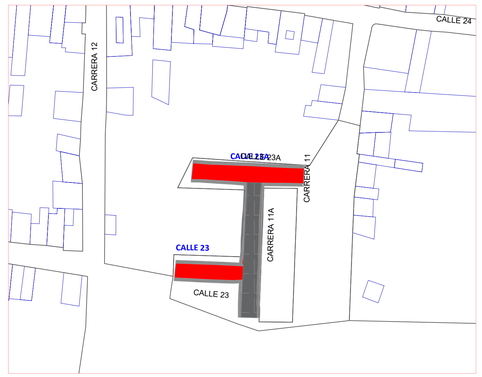
CALLE 23A ENTRE CARRERA 11 Y 12



CALLE 23 ENTRE CARRERA 11 Y 12



VIAS A INTERVENIR



MUNICIPIO DE CHARALÁ
SANTANDER

PROYECTO:

"PAVIMENTACIÓN Y REHABILITACIÓN VIAL EN LAS CALLES 23A y 23; EN EL BARRIO ALTOS DEL PIENTA DEL CASCO URBANO DEL MUNICIPIO DE CHARALÁ, SANTANDER"

ARCHIVO: ALTOS DEL PIENTA

DIRECCIÓN: CALLE 23A ENTRE CARRERA II Y I2

CALLE 23 ENTRE CARRERA II Y I2

LOCALIZACION:

DEPARTAMENTO: SANTANDER
MUNICIPIO: CHARALÁ

CONVENCIONES:

TERRENO

LEVANTO:

TOP: HECTOR LEANDRO BARAJAS M
T.P # 01 - 15764 C.P.N.T.

DIGITALIZO:

TOP: HECTOR LEANDRO BARAJAS M

REVISO:

ALCALDÍA DE CHARALA

LOGO:

CONTIENE:

PERFILES

ESCALA PLANTA:

ESCALA PERFIL:

1 : 100

FECHA:

JULIO DE 2025

PLANO:

1 de 1

Certificado De Verificación

Certificado N°: 220095 - 06092024

Fecha De Verificación: 06/08/2025
Próxima Verificación: 06/03/2026



Equipo: Estación total TCRP 1203 R300
Artículo: 737469
Serial: 220095
N° de equipo: 1973802

Cliente: HECTOR LEANDRO BARAJAS MELENDEZ

Procedimientos realizados

Entre las pruebas efectuadas esta la verificación de colimación y cierre angular, verificación de centrado de diodos. Se efectúan ajustes de cierres angulares a través de software de servicio y test mecánicos, como verificación del nivel de burbuja, compensador y plomada óptica, verificación de ejes, movimiento horizontal y vertical, Verificación de las aplicaciones básicas.

Se efectúa pruebas en línea base interna. Los parámetros, calibración y constantes son establecidos de acuerdo a los procedimientos del fabricante descritos en el manual de servicio TPS1200/Power Tracker Doc Code663600 Rev 03/2014

Registro De Datos:

Todos los valores están expresados en gon

Precisión del equipo: 3” (1mgon)

HORIZONTAL				
	ENTRADA		SALIDA	
	CARA I	CARA II	CARA I	CARA II
RANGO	399,9991 -0.00009	199.9991-200.0009	399,9991 -0.00009	199.9991-200.0009
EQUIPO	0.0000	200.0009	0.0000	200.0003
ESTADO	CUMPLE	CUMPLE	CUMPLE	CUMPLE

VERTICAL				
	ENTRADA		SALIDA	
	CARA I	CARA II	CARA I	CARA II
RANGO	99,999 - 100,0009	299,9991-300,0009	99,999 - 100,0009	299,9991-300,0009
EQUIPO	100.0024	300.0018	100.0000	300.0001
ESTADO	NO CUMPLE	NO CUMPLE	CUMPLE	CUMPLE

EJE MUÑONES		
	ENTRADA	SALIDA
RANGO	±0,0035	±0,0035
EQUIPO	0,0015	0.0012
ESTADO	CUMPLE	CUMPLE

Precisión en distancia IR 1mm+1,5ppm
Precisión en distancia SR 2mm+2ppm

DISTANCIA			
RANGO		± 0,005mm	
LINEA BASE P	17.5680m	EQUIPO	17,5682m
REF N.P	17.5560m	EQUIPO	17.5663m
ESTADO		CUMPLE	

Condiciones En El Laboratorio

Temperatura: 22.7°C
Humedad relativa: 41%
Presión Atmosférica: 753 mbar.

Herramienta Indicadora: Colimador universal con compensador marca Leica SN: 0011800
Equipo Patrón: TS13 1" R500 Sn 3269024

La estación total Leica TCRP 1203 con serie No. 220095 cumple con todos los parámetros del fabricante

Se debe realizar mantenimiento al eje Horizontal en el próximo ajuste.

El presente certificado sólo ampara las mediciones reportadas en el momento y condiciones ambientales y de uso en que se realizó esta verificación.

No se certifica ninguna característica del instrumento diferente de las descritas en este documento.

Atentamente



220095 - 06092024

Walter Stywell García Reyes
Ing. Servicio Técnico
walter.garcia@grupoacre.com

MEMORIAL DE RESPONSABILIDAD

Yo, **HÉCTOR LEANDRO BARAJAS MELÉNDEZ** identificado (a) con C.C. 1.101.520.462 de Molagavita- Santander, en mi calidad de TOPOGRAFO con Matricula Profesional CPNT 01-15764, CERTIFICO, que realice el estudio topográfico en el barrio Altos del Pienta del municipio de Charalá, Departamento de Santander.

Este trabajo se realiza con una estación total Leica TCRP 1203 R300

En consecuencia, asumo toda la responsabilidad de los expuesto a dicho levantamiento.

Anexos informe topográfico planos del levantamiento, tarjeta profesional y certificado de vigencia laboral expedido por el concejo nacional de topografía.

Se expide a los trece (13) días del mes de agosto de 2025.

HÉCTOR LEANDRO BARAJAS MELÉNDEZ
Topógrafo UTS
CPNT 01-15764

Topografía e Ingeniería

Correo:
bm.topografiaeingenieria@gmail.com
Teléfono: 314 203 46 71

República de Colombia

CONSEJO PROFESIONAL NACIONAL DE TOPOGRAFIA

Nombre: HECTOR LEANDRO DIONICIO BARAJAS MELENDEZ

Cédula: **1.101.520.462**

Licencia Profesional No: **01-15764**

VALIDO BARRIOS SIBERIA Y SAN FERNANDO
MUNICIPIO DE CHARALA, SANTANDER

Resolución: **02-5765 - 14/08/2015**

TECNOLOGO EN TOPOGRAFIA
UNIDADES TECNOLOGICAS DE SANTANDER



Vicepresidente

Esta tarjeta forma parte integral de la Licencia Profesional
Junto con la Resolución aprobatoria.
Esta tarjeta es documento público y junto con el Certificado de vigencia acredita al titular para ejercer la profesión de TOPOGRAFO en la República de Colombia de acuerdo con la Ley 70 de 1979 y el Decreto Reglamentario 690 de 1981

Si esta tarjeta es encontrada, por favor, enviarla a la dirección de la oficina del Consejo Profesional Nacional de Topografia

Calle 42 N° 8 A - 69 Ofc 601. Tel. 2881490 - 2451694

http://cpnt.gov.co Bogotá - Colombia

Para cualquier información comunicarse con el Consejo Profesional Nacional de Topografia. Email: Info@cpnt.gov.co

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

CERTIFICADO DE VIGENCIA No: 543338/2025

EL DIRECTOR EJECUTIVO DEL CONSEJO PROFESIONAL NACIONAL DE TOPOGRAFÍA

HACE CONSTAR

Que el(la) Señor(a) **HECTOR LEANDRO DIONISIO BARAJAS MELENDEZ** , identificado(a) con cédula de ciudadanía **No. 1101520462** , se encuentra inscrito(a) en el Registro Único de Topógrafos RUTOPO del CPNT como **TECNÓLOGO EN TOPOGRAFÍA** de la Institución de Educación Superior **UNIDADES TECNOLOGICAS DE SANTANDER**, bajo la Licencia Profesional **No. 01-15764** con fecha de expedición del **14 de Agosto de 2015.**

Que el(la) Señor(a) **HECTOR LEANDRO DIONISIO BARAJAS MELENDEZ**, tiene vigente su Licencia Profesional No. **01-15764** y a la fecha **NO REGISTRA ANTECEDENTES DISCIPLINARIOS** , que lo (la) inhabiliten en el ejercicio de su profesión.

Dada en Bogotá, D.C. a los 10 **días del mes de agosto de 2025.**

LUIS ALEJANDRO ZAFRA JARAMILLO
Director Ejecutivo

***Firma del profesional**

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

Notas 1- El anterior certificado no suple la Licencia Profesional para ejercer un cargo.
2- La validez del documento se puede verificar en la página web www.cpnt.gov.co a través del número de certificado de Vigencia.
3- Este certificado digital tiene plena validez de conformidad con lo establecido en el Art. 2 de la Ley 527 de 1999, decreto 1747 de 2000 y Art. 6 Parágrafo 3 de la Ley 962 de 2005.