NIT: 1096958212-7

Santa rosa de osos 18 de diciembre del 2024

Objetivo: Elaboración de los estudios y diseños para el mantenimiento y recuperación de escenarios deportivos, en el municipio de santa rosa de osos – Antioquia acorde al contrato interadministrativo de mandato sin representación por administración delegada no. cointer si 034 2024 celebrado entre el municipio de santa rosa de osos y la empresa de desarrollo urbano del norte de Antioquia – EDUNA

Respuesta técnica topográfica

Al numeral cuatro (4) del radicado de salida numero 20243913, de la administración municipal de santa rosa de osos, la cual indica que el levantamiento topográfico se realizó sobre una imagen de Google earth.

El levantamiento topografico se realizo con Sistema GNSS RTK, Drone y estación total Donde nosotros efectuamos amarres geodésicos de puntos conocidos con el sistema GNSS RTK los cuales se pueden evidenciar en las carteras de campo, las mismas se anexan al final y estarán señalados los puntos de control, a su vez se efectuó un vuelo fotogramétrico con dron para realizar una imagen de precisión que fue utilizada como ortofoto, y por ultimo se realizo ajuste del levantamiento con estacion total.

Queda constatada la metodología, los equipos, certificados de calibración y todos los implementos que se utilización para realizar el el levantamiento de información en campo y posteriormente el informe técnico topográfico adicionalmente se anexa la ortofoto y la cartera de campo del levantamiento topográfico

Nelson Eduardo Ortiz
Cc.1096958212
M:P 01-17605 CPNT

Nelson Eduardo Ortiz Almeida

Topógrafo (3219112909)

Anexos

- Registo fotográficos adicional com algunas fotos tomadas con el Drone y ortofoto realizada por nuestro equipo de trabajo.
- Carteras topográficas.
- Ortofoto.



Ortofoto creada por nuestro equipo de trabajo.



Imagen tomada por el DRONE.



Imagen realizada por el DRONE







Registro del levantamiento con estacion

NIT: 1096958212-7

CARTERA DE CAMPO

1	1.226.837.615	846.510.715	2620.4	
2	1226857.49	846.469.739	2.620.404	D2C
3	1.226.837.615	846.510.715	2620.4	
4	1.226.858.755	846467.13	2584.01	
5	1.226.857.485	846.469.749	2.620.403	D2C
6	1.226.837.615	846.510.715	2.620.400	
7	1.226.857.485	846.469.749	2.620.403	
8	1.226.735.241	846469.49	2.616.258	SINTETICA
9	1.226.759.656	846.411.332	2.616.261	SINTETICA
10	1226854.75	846451.16	2.616.274	SINTETICA
11	1.226.830.345	846.509.313	2.616.216	SINTETICA
12	1.226.813.183	846.504.185	2.617.096	tienda
13	1.226.808.901	846.513.834	2.617.104	tienda
14	1.226.822.555	846.519.502	2.617.400	tienda
15	1.226.826.946	846.510.061	2.617.073	tienda
16	1.226.829.793	846.510.717	2.616.821	escalas
17	1.226.835.979	846.513.391	2.620.374	escalas
18	1.226.838.297	846.512.312	2.620.435	control 2
19	1.226.841.147	846.515.588	2.620.538	para
20	1226868.21	846.455.495	2.620.537	para
21	1.226.863.264	846.453.068	2.620.339	esca
22	1226856.58	846.451.743	2.616.698	esca
23	1.226.809.471	846.502.477	2.616.592	cerca
24	1.226.804.949	846.514.534	2.617.166	cerca
25	1.226.825.582	846.522.984	2.618.021	cerca
26	1.226.815.275	846.538.331	2.616.227	cerca
27	1.226.806.185	846.549.382	2.614.839	cerca
28	1.226.794.481	846.561.549	2.612.609	cerca
29	1.226.809.859	846.527.277	2.616.647	tn
30	1.226.812.336	846.531.413	2.616.687	tn
31	1.226.816.125	846.535.903	2.616.441	tn
32	1.226.790.157	846.558.993	2.610.969	cubierta
33	1.226.785.562	846.554.401	2.610.933	cubierta
34	1.226.773.703	846567.15	2.610.963	cubierta
35	1.226.777.971	846.571.367	2.610.946	cubierta
36	1.226.781.632	846.544.414	2.611.200	cubierta
37	1.226.800.708	846.525.518	2.613.913	cubierta
38	1226698.05	846.624.807	2.607.161	D3
39	1226698.05	846.624.807	2.607.161	
40	1.226.837.615	846.510.715	2620.4	
41	1.226.750.735	846.577.774	2.609.381	VIA
42	1.226.755.482	846.583.095	2.609.332	VIA
43	1.226.747.718	846.589.671	2.608.412	VIA

Nelson Eduardo Ortiz Almeida

Topógrafo (3219112909)

44	1.226.743.027	846.584.273	2608.43	VIA
45	1.226.734.884	846590.93	2.607.902	VIA
46	1.226.739.692	846.596.395	2.607.856	VIA
47	1226733.31	846.601.761	2.607.506	VIA
48	1.226.728.563	846596.31	2.607.531	VIA
49	1.226.723.942	846.600.177	2.607.282	VIA
50	1.226.728.224	846.605.667	2.607.282	VIA
51	1.226.718.929	846.613.498	2.606.936	VIA
52	1.226.714.067	846.608.429	2.606.944	VIA
53	1.226.706.992	846.614.316	2.606.924	VIA
54	1.226.711.646	846.619.553	2.606.898	VIA
55	1.226.702.309	846.631.105	2.606.981	VIA
56	1.226.696.587	846.627.016	2.607.033	VIA
57	1.226.687.766	846.638.754	2.607.135	VIA
58	1226693.43	846642.8	2.607.061	VIA
59	1.226.685.049	846.652.119	2.607.281	VIA
60	1.226.680.082	846.647.464	2.607.267	VIA
61	1.226.669.117	846.656.632	2.607.509	VIA
62	1.226.673.258	846662.24	2.607.491	VIA
63	1.226.660.452	846.672.126	2.607.643	VIA
64	1.226.659.429	846.678.086	2.606.578	tn
65	1.226.665.607	846.673.405	2.606.268	tn
66	1.226.673.362	846.665.694	2.606.072	tn
67	1.226.680.425	846.659.774	2.606.326	tn
68	1226686.32	846.656.243	2.607.072	tn
69	1.226.694.558	846.647.776	2.606.745	tn
70	1.226.700.466	846.642.377	2.606.690	tn
71	1226705.84	846.634.384	2.606.315	tn
72	1226711.68	846.626.774	2.606.430	tn
73	1.226.714.984	846.619.773	2.606.961	para
74	1.226.713.541	846.618.482	2.607.044	poste
75	1226713.49	846.619.553	2.606.945	anden
76	1.226.729.714	846.605.684	2.607.419	anden
77	1.226.730.007	846.606.219	2.607.423	poste
78	1.226.734.027	846.602.406	2.607.585	anden
79	1.226.734.681	846.603.269	2.607.593	para
80	1.226.741.836	846.595.775	2.608.006	anden
81	1.226.742.481	846.596.717	2.608.007	para
82	1.226.753.342	846.586.176	2.608.905	anden
83	1.226.643.945	846.684.112	2.608.030	D4
84	1.226.643.945	846.684.112	2608.03	
85	1226698.05	846.624.807	2.607.161	
86	1.226.651.087	846.670.348	2.607.826	via
87	1.226.654.714	846.676.261	2.607.822	via

88	1.226.639.611	846.686.891	2.607.748	via
89	1.226.634.171	846.678.896	2.607.794	via
90	1.226.630.682	846677.2	2.607.680	via
91	1.226.609.649	846691.07	2.606.767	via
92	1.226.609.873	846.697.669	2.606.650	via
93	1.226.613.382	846.704.359	2.606.592	via
94	1.226.595.255	846.715.879	2.605.990	via
95	1.226.592.151	846.709.697	2.605.984	via
96	1.226.579.217	846.722.848	2.605.263	via
97	1.226.579.276	846.715.728	2.605.328	via
98	1.226.562.324	846.723.067	2.604.593	via
99	1.226.564.084	846.725.565	2.604.745	tn
100	1.226.564.174	846.730.462	2.604.002	tn
101	1.226.573.392	846.728.603	2.604.501	tn
102	1.226.573.219	846.725.451	2.605.097	tn
103	1226591.7	846.725.485	2.605.297	tn
104	1.226.603.107	846.718.363	2.605.814	tn
105	1.226.601.383	846.714.976	2.606.404	tn
106	1.226.614.115	846.706.766	2.606.703	tn
107	1.226.616.922	846.710.539	2.605.868	tn
108	1.226.629.827	846.699.397	2.606.044	tn
109	1.226.628.775	846.697.038	2.607.318	tn
110	1.226.651.555	846.678.958	2.607.999	poste
111	1.226.629.417	846.694.154	2.607.393	poste
112	1.226.606.228	846.709.416	2.606.641	poste
113	1.226.594.762	846.720.801	2.605.950	poste
114	1.226.566.598	846.723.417	2.604.944	poste
115	1226585.63	846.720.897	2.605.834	D5
116	1226585.63	846.720.897	2.605.834	
117	1.226.643.945	846.684.112	2608.03	
118	1226593.38	846.743.477	2.601.872	peatonal
119	1.226.591.705	846.745.155	2.601.858	peatonal
120	1.226.649.138	846.796.734	2.601.664	peatonal
121	1226647.53	846.798.479	2.601.651	peatonal
122	1.226.647.081	846813.45	2.602.829	tn
123	1.226.632.722	846.821.358	2.602.833	tn
124	1.226.627.812	846.832.141	2.602.947	tn
125	1.226.612.515	846.828.221	2.598.470	tn
126	1.226.602.598	846834.91	2.602.148	tn
127	1.226.595.665	846.842.775	2.607.328	tn
128	1.226.581.329	846.845.658	2.602.799	tn
129	1.226.581.793	846.850.927	2.607.670	tn
130	1.226.566.796	846.841.558	2.600.135	tn
131	1226573.29	846.835.009	2.598.420	tn

132	1.226.586.703	846.827.291	2.595.034	rampa
133	1.226.591.108	846.834.161	2.595.188	rampa
134	1.226.597.392	846.831.341	2.596.650	rampa
135	1.226.593.807	846.824.263	2.596.588	rampa
136	1.226.600.614	846.820.136	2.596.914	rampa
137	1.226.604.012	846.827.083	2.597.061	rampa
138	1.226.613.604	846.823.219	2.595.444	rampa
139	1.226.609.954	846.815.826	2.595.222	rampa
140	1.226.615.859	846.812.857	2.596.859	rampa
141	1.226.619.947	846.820.402	2.596.948	rampa
142	1.226.623.757	846.818.797	2.596.403	rampa
143	1.226.618.611	846.812.418	2.596.292	rampa
144	1.226.623.105	846.809.284	2.597.231	rampa
145	1.226.627.591	846.815.269	2.597.373	rampa
146	1226633.46	846.812.584	2.597.698	rampa
147	1.226.632.015	846.810.831	2.596.465	rampa
148	1.226.628.843	846.807.009	2.595.998	rampa
149	1.226.632.419	846.801.198	2.595.727	rampa
150	1.226.635.621	846.803.001	2.596.438	rampa
151	1.226.638.793	846.803.965	2.598.368	rampa
152	1.226.638.104	846797.19	2.598.203	rampa
153	1226635.5	846.799.481	2.595.448	rampa
154	1.226.631.698	846.799.874	2.594.548	rampa
155	1.226.567.161	846.842.941	2.601.151	rampa
156	1.226.573.199	846.849.909	2.601.410	rampa
157	1.226.521.474	846.723.703	2.603.989	D6
158	1.226.521.474	846.723.703	2.603.989	
159	1226585.63	846.720.897	2.605.834	
160	1.226.566.581	846.722.785	2.604.690	via
161	1.226.565.248	846.716.207	2.604.716	via
162	1226552.71	846.716.231	2.604.436	via
163	1.226.551.699	846.723.103	2.604.415	via
164	1.226.518.259	846.723.204	2.603.776	via
165	1.226.519.698	846.716.551	2.603.984	via
166	1.226.524.421	846.716.823	2.604.067	via
167	1226524.25	846.723.572	2.603.901	via
168	1.226.517.526	846.724.748	2.603.787	tn
169	1.226.517.181	846729.8	2.602.886	tn
170	1226524.11	846.730.418	2.602.787	tn
171	1226530.94	846.729.178	2.603.233	tn
172	1.226.538.628	846.728.541	2.603.790	tn
173	1226550.75	846.728.476	2.603.802	tn
174	1.226.540.188	846.723.881	2.604.391	poste
175	1.226.506.954	846.713.128	2.603.661	VIA

176	1.226.510.513	846.708.482	2.603.829	VIA
177	1.226.490.308	846.689.988	2.603.503	VIA
178	1.226.486.412	846.694.366	2.603.504	VIA
179	1.226.484.926	846.697.236	2.602.867	tn
180	1.226.492.416	846.703.102	2.602.668	tn
181	1.226.500.853	846.710.698	2.602.610	tn
182	1.226.505.487	846714.58	2.602.647	poste
183	1.226.514.034	846.722.672	2.602.549	poste
184	1.226.475.664	846.676.728	2.603.307	D7
185	1.226.475.664	846.676.728	2.603.307	
186	1.226.521.474	846.723.703	2.603.989	
187	1.226.483.052	846.695.247	2.602.915	via
188	1.226.476.332	846.702.812	2.601.600	via
189	1.226.469.139	846.710.552	2.600.305	via
190	1.226.463.862	846.713.513	2.599.682	via
191	1.226.459.197	846719.89	2.596.440	via