Monitoreo Topográfico Barrio Yopal (El Pedregal)

Materialización puntos de control Enero 20/2009

PUNTO	DETALLE	NORTE (m)	ESTE (m)	COTA (msnm)
1	M-1	91822.984	95985.872	2749.216
2	M-2	91841.148	95970.056	2748.744
3	M-3	91826.986	95955.385	2748.000
4	M-4	91830.261	95933.642	2742.806
5	M-5	91824.083	95912.016	2732.244
6	M-6	91815.834	95897.562	2724.027
7	M-7	91851.064	95869.689	2717.804
8	M-8	91821.617	95877.298	2718.557
9	M-9	91781.825	95885.619	2709.132
10	M-10	91788.416	95907.927	2717.360
11	M-11	91796.422	95935.481	2729.657
12	M-12	91806.420	95951.509	2738.765
13	M-13	91777.044	95975.026	2737.335
14	M-14	91789.329	95985.842	2747.870
15	M-15	91761.684	96000.615	2745.024
16	M-16	91761.118	95983.402	2734.899
17	M-17	91746.635	95968.465	2727.533
18	M-18	91722.229	95991.274	2735.476
19	M-19	91728.458	95942.150	2720.972
20	M-20	91775.920	95944.834	2728.347
21	M-21	91766.949	95926.352	2719.576
22	M-22	91745.945	95887.250	2709.403
23	M-23	91648.322	95941.265	2723.694
24	M-24	91711.686	95952.949	2719.805
25	M-25	91717.837	95920.050	2711.453
26	M-26	91682.350	95960.536	2724.496
27	M-27	91787.412	96006.459	2750.741
28	M-28	91699.956	95891.188	2708.120
29	M-29	91667.751	95909.565	2710.540
30	M-30	91667.218	95891.533	2702.475
31	M-31	91636.728	95871.341	2695.759
32	M-32	91651.210	95852.424	2686.272
33	M-33	91698.285	95834.306	2688.586
34	M-34	91719.559	95854.766	2697.522
35	M-35	91770.358	95845.265	2699.402
36	M-36	91808.921	95857.877	2702.288
37	M-37	91827.901	95863.572	2707.103
38	M-38	91824.685	95835.828	2698.835
39	M-39	91797.913	95825.382	2688.006
40	M-40	91805.661	95808.713	2681.132
41	M-41	91802.188	95786.452	2672.855
42	M-42	91786.442	95803.264	2677.684
43	M-43	91763.783	95815.545	2684.483
44	M-44	91717.205	95809.643	2681.610
45	M-45	91696.874	95794.559	2676.059
46	M-46	91678.671	95826.230	2685.370
47	M-47	91624.115	95806.479	2680.287
48	M-48	91624.912	95780.127	2671.690
49	M-49	91673.143	95765.523	2664.394
50	M-50	91735.550	95746.148	2659.833

Monitoreo Topográfico Barrio Yopal (El Pedregal)

Primera campaña de monitoreo Enero 30/2009

PUNTO	DETALLE	NORTE (m)	ESTE (m)	COTA (msnm)
1	M-1	91822.998	95985.886	2749.171
2	M-2	91841.148	95970.066	2748.700
3	M-3	91826.985	95955.361	2747.980
4	M-4	91830.246	95933.625	2742.782
5	M-5	91824.072	95911.989	2732.211
6	M-6	91815.847	95897.555	2723.994
7	M-7	91851.035	95869.663	2717.792
8	M-8	91821.577	95877.260	2718.512
9	M-9	91781.806	95885.617	2709.090
10	M-10	91788.390	95907.927	2717.315
11	M-11	91796.409	95935.482	2729.616
12	M-12	91806.412	95951.508	2738.733
13	M-13	91777.044	95974.974	2737.332
14	M-14	91789.326	95985.795	2747.866
15	M-15	91761.699	96000.558	2745.011
16	M-16	91761.103	95983.365	2734.906
17	M-17	91746.607	95968.424	2727.521
18	M-18	91722.240	95991.237	2735.470
19	M-19	91728.432	95942.116	2720.957
20	M-20	91775.896	95944.795	2728.346
21	M-21	91766.950	95926.339	2719.548
22	M-22	91745.940	95887.216	2709.372
23	M-23	91648.308	95941.257	2723.698
24	M-24	91711.669	95952.920	2719.796
25	M-25	91717.823	95920.030	2711.427
26	M-26	91682.356	95960.520	2724.489
27	M-27	91787.434	96006.472	2750.686
28	M-28	91699.960	95891.197	2708.112
29	M-29	91667.726	95909.559	2710.491
30	M-30	91667.196	95891.551	2702.424
31	M-31	91636.693	95871.349	2695.727
32	M-32	91651.190	95852.424	2686.241
33	M-33	91698.261	95834.305	2688.550
34	M-34	91719.524	95854.771	2697.505
35	M-35	91770.326	95845.258	2699.386
36	M-36	91808.892	95857.816	2702.253
37	M-37	91827.878	95863.533	2707.086
38	M-38	91824.652	95835.817	2698.826
39	M-39	91797.880	95825.374	2687.997
40	M-40	91805.576	95808.664	2681.116
41	M-41	91802.138	95786.433	2672.836
42	M-42	91786.348	95803.309	2677.664
43	M-43	91763.757	95815.540	2684.471
44	M-44	91717.181	95809.636	2681.576
45	M-45	91696.848	95794.547	2676.017
46	M-46	91678.645	95826.207	2685.337
47	M-47	91624.069	95806.463	2680.264
48	M-48	91624.883	95780.118	2671.644
49	M-49	91673.126	95765.518	2664.357
50	M-50	91735.528	95746.149	2659.805

Barrio Yopal (El Pedregal)

Monitoreo topográfico realizado entre 20 de Enero y 30 Enero de 2009

Detalle	Delta N (mm)	Delta E (mm)	Delta Z (mm)	Desplazamiento Horizontal (mm)	Velocidad (mm/dia)
M-1	14	14	-44	20	2.0
M-2	1	10	-44	10	1.0
M-3	-1	-24	-20	24	2.4
M-4	-15	-17	-24	22	2.2
M-5	-11	-27	-33	29	2.9
M-6	13	-7	-33	15	1.5
M-7	-29	-26	-12	39	3.9
M-8	-40	-38	-45	55	5.5
M-9	-19	-2	-42	19	1.9
M-10	-26	0	-44	26	2.6
M-11	-13	1	-41	13	1.3
M-12	-8	-1	-32	8	0.8
M-13	0	-52	-3	52	5.2
M-14	-3	-47	-4	47	4.7
M-15	15	-57	-13	59	5.9
M-16	-15	-37	7	39	3.9
M-17	-27	-41	-12	49	4.9
M-18	11	-37	-6	38	3.8
M-19	-26	-34	-15	43	4.3
M-20	-24	-39	-1	46	4.6
M-21	1	-13	-28	13	1.3
M-22	-5	-34	-31	34	3.4
M-23	-13	-8	4	16	1.6
M-24	-17	-29	-9	34	3.4
M-25	-14	-20	-26	25	2.5
M-26	6	-16	-7	17	1.7
M-27	22	13	-55	25	2.5
M-28	4	9	-8	10	1.0
M-29	-25	-6	-49	25	2.5
M-30	-22	18	-51	28	2.8
M-31	-35	8	-32	36	3.6
M-32	-20	0	-31	20	2.0
M-33	-24	-1	-36	24	2.4
M-34	-35	5	-17	36	3.6
M-35	-32	-7	-16	33	3.3
M-36	-29	-61	-34	68	6.8
M-37	-23	-39	-17	46	4.6
M-38	-33	-11	-9	35	3.5
M-39	-33	-8	-9	34	3.4
M-40	-84	-48	-16	97	9.7
M-41	-50	-19	-19	54	5.4
M-42	-94	45	-20	104	10.4
M-43	-26	-5	-12	27	2.7
M-44	-24	-7	-34	25	2.5
M-45	-26	-12	-42	28	2.8
M-46	-26	-23	-33	34	3.4
M-47	-45	-16	-23	48	4.8
M-48	-29	-9	-46	31	3.1
M-49	-17	-5	-37	18	1.8
M-50	-22	1	-28	22	2.2