

Anexo G - Presupuesto

N°	Descripción	Unidad	Cantidad	Precio Unitario (Bs)	Parcial (Bs)
1	Replanteo de estructuras y edificaciones	m ²	680,00	10,38	7.058,40
2	Excavación común con equipo pesado	m ³	1.255,14	33,47	42.009,54
3	Provisión y colocado geotextil de 200 gr/m ²	m ²	4.755,60	13,09	62.250,80
4	Provisión y construcción de gavión con revestimiento	m ³	2.580,00	403,03	1.039.817,40
5	Provisión y construcción de colchonetas e = 0,17 m	m ³	544,00	657,52	357.690,88
6	Limpieza general de la obra	Glb	1,00	2.677,52	2.677,52
	Total, presupuesto:				1.511.504,54

Un millón Quinientos Once Mil Quinientos Cuatro 54/100 Bolivianos.

ANEXO H – EVALUACIÓN ECONÓMICA - FINANCIERA

INDICADORES:

Tasa de Descuento	10,00 %
T I R	13,18 %
V A N	347.674,81 \$US
Relación Beneficio/Costo	1,07

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Anexo I - Reporte Fotográfico

Figura I.1- Levantamiento topográfico a detalle.

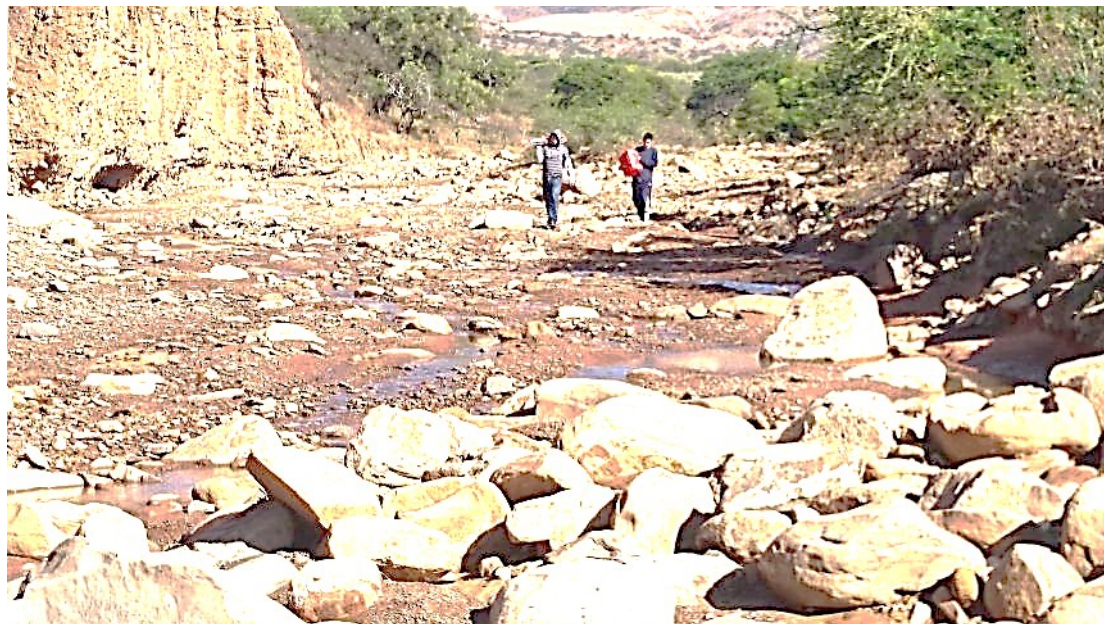


Figura I.2- Levantamiento topográfico.



Figura I.3- Levantamiento topográfico.



Figura I.4. - Progresiva 0+560 en la que se aprecia unos terrenos cultivables en la margen derecha de la quebrada, identificada como la zona 2 de inundación.



Figura I.5 - Zona de posibles inundaciones en la margen derecha e izquierda. (Progresivas 0+600 a 0+0110, vista de aguas abajo hacia aguas arriba.)



Figura I.6 - Vista posterior a la figura I.5, donde se aprecia la zona 3 de inundación en la margen izquierda. (Vista aguas arriba hacia aguas abajo)



Figura I.7 - Margen derecha de la quebrada de Huayco Grande, en el cual se puede observar la poca altura existente entre el lecho de la quebrada y los terrenos de cultivo.



Figura I.8 - Progresiva 0+600, en el cual se puede observar un terreno de pronunciado en la margen izquierda de la quebrada. (Vista de aguas arriba hacia aguas abajo)



Figura I.9 Foto de la zona de estudio.



Figura I.10 Ubicación de las estaciones climatológicas cercanas al área de estudio.

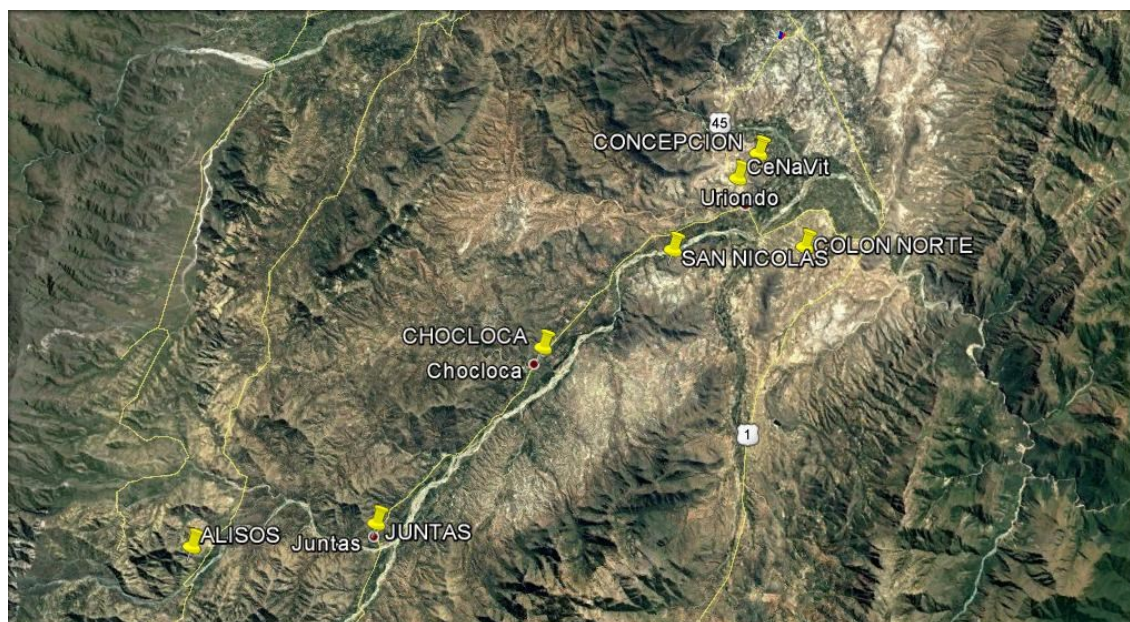


Figura I.11 Áreas de inundación para un periodo de retorno $T = 25$ años.



Figura I.12 Áreas de inundación para un periodo de retorno $T = 50$ años.



Figura I.13 Áreas de inundación para un periodo de retorno $T = 500$ años.



Anexo J – Puntos Topográficos.

Datos del levantamiento topográfico.

Punto	Norte	Este	Altura	Detalle
2	4.992,3329	4.968,0682	1.899,4000	
3	5.051,8408	4.941,3589	1.899,7089	RIO
4	5.053,7032	4.969,6017	1.899,7278	RIO
5	5.044,4200	4.972,6090	1.899,7366	RIO
6	5.060,3374	4.989,5752	1.900,5373	RIO
7	5.025,8980	4.946,6717	1.898,8968	RIO
8	5.047,1011	4.992,1445	1.900,4483	RIO
9	5.013,2941	4.954,4930	1.898,7234	RIO
10	5.032,9230	4.977,3042	1.899,7805	RIO
11	5.032,5428	4.966,0823	1.899,3160	RIO
12	5.000,8543	4.970,2793	1.898,4600	RIO
13	5.001,0029	4.963,1919	1.897,7903	RIO
14	5.026,3576	4.964,5014	1.899,1150	RIO
15	5.006,8609	4.975,9964	1.899,2846	RIO
16	5.030,9722	5.001,5606	1.900,1815	RIO
17	5.008,4610	4.986,5826	1.899,8571	RIO
18	5.017,1014	5.010,1377	1.899,9085	RIO
19	4.997,9972	4.981,8571	1.898,5148	RIO
20	4.991,1117	4.974,7667	1.897,9321	RIO
21	5.004,7063	5.013,2930	1.899,6903	RIO
22	4.984,5836	4.977,8776	1.897,9110	RIO
23	4.993,4678	5.017,1171	1.899,3740	RIO
24	4.985,5170	4.989,7985	1.898,3010	RIO
25	4.989,9905	5.003,8122	1.899,8242	RIO
26	4.987,0434	4.992,6717	1.899,3204	RIO
27	4.968,9779	4.988,1435	1.898,1574	RIO
28	4.985,2471	5.018,9273	1.899,0862	RIO
29	4.972,1413	5.000,7653	1.898,0249	RIO
30	4.977,3892	5.010,1538	1.899,5859	RIO
31	4.975,2821	5.024,9689	1.899,7732	333
32	4.958,5269	5.001,7824	1.897,8002	RIO
33	4.967,6693	5.014,7103	1.899,2265	RIO
34	4.949,2268	4.999,7930	1.897,6586	RIO
35	4.964,3578	5.029,2731	1.899,5781	RIO
36	4.948,3160	5.010,9968	1.897,4719	RIO
37	4.955,6829	5.019,8449	1.897,8057	RIO
38	4.955,5956	5.031,0839	1.898,2791	RIO
39	4.935,5842	5.013,5025	1.897,4530	RIO
40	4.950,8903	5.033,0962	1.898,2390	RIO
41	4.926,1566	5.014,9796	1.897,2860	RIO
42	4.949,8766	5.033,7320	1.898,8265	RIO
43	4.915,5017	5.024,0646	1.897,1909	RIO
44	4.946,0873	5.032,7161	1.898,6796	RIO
45	4.942,5652	5.026,0912	1.898,2130	RIO
46	4.922,0193	5.030,3873	1.897,5187	RIO
47	4.938,5067	5.035,2659	1.898,4459	RIO
48	4.927,6948	5.039,6074	1.898,2571	RIO

Punto	Norte	Este	Altura	Detalle
49	4.916,8618	5.043,0385	1.897,4006	RIO
50	4.917,3469	5.044,7095	1.898,1011	RIO
51	4.907,3787	5.034,9453	1.896,9458	RIO
52	4.899,8605	5.029,6394	1.897,8937	RIO
53	4.907,3302	5.049,4256	1.897,7930	RIO
54	4.892,3760	5.031,8122	1.898,5607	RIO
55	4.853,1528	5.063,9272	1.896,7120	E2
56	4.902,7086	5.051,6600	1.897,5790	RIO
57	4.995,2962	4.960,5821	1.901,7000	
58	4.888,1519	5.059,1894	1.896,7378	RIO
59	4.887,5872	5.060,3520	1.897,6662	RIO
60	4.899,3430	5.052,5172	1.896,9070	RIO
61	4.903,0957	5.053,3889	1.898,1339	RIO
62	4.897,2480	5.044,0815	1.896,8219	RIO
63	4.892,1282	5.033,6466	1.897,7745	RIO
64	4.889,8253	5.032,3315	1.898,9266	RIO
65	4.879,5537	5.039,4099	1.898,2956	RIO
66	4.888,0540	5.052,6929	1.896,7360	RIO
67	4.882,2153	5.062,7465	1.896,7278	RIO
68	4.878,8739	5.066,3856	1.897,4986	RIO
69	4.871,3353	5.060,9873	1.896,2631	RIO
70	4.863,4775	5.049,6676	1.897,6335	RIO
71	4.855,6236	5.056,8317	1.896,9875	RIO
72	4.862,0384	5.065,8921	1.896,1696	RIO
73	4.866,3394	5.071,4929	1.896,6121	RIO
75	4.859,9990	5.083,5736	1.897,9326	RIO
76	4.855,7184	5.081,5647	1.896,4755	RIO
77	4.849,2857	5.073,4689	1.895,8169	RIO
78	4.843,9898	5.072,1227	1.896,0410	RIO
79	4.843,7853	5.071,7924	1.896,9787	RIO
80	4.841,9515	5.075,3876	1.895,6757	RIO
81	4.850,1534	5.093,5123	1.897,3389	RIO
82	4.836,4546	5.082,6657	1.895,8594	RIO
83	4.847,6588	5.091,7295	1.896,5005	RIO
84	4.846,3260	5.085,9671	1.896,1037	RIO
85	4.849,1579	5.100,1862	1.897,7363	RIO
86	4.832,2078	5.090,2659	1.895,7107	RIO
87	4.846,0586	5.106,3950	1.897,6160	RIO
88	4.836,0401	5.095,5923	1.895,6932	RIO
89	4.839,9758	5.101,9116	1.896,3112	RIO
90	4.827,7401	5.099,4548	1.895,5867	RIO
91	4.823,5228	5.112,7976	1.895,5958	RIO
92	4.845,0158	5.111,9775	1.897,7759	RIO
93	4.818,8212	5.114,1684	1.895,5462	RIO
94	4.841,5867	5.118,3851	1.897,6597	RIO
95	4.827,2498	5.117,1428	1.895,8271	RIO
96	4.834,5372	5.120,6578	1.896,5335	RIO
97	4.840,0090	5.123,5801	1.897,4037	RIO
98	4.828,1687	5.135,7691	1.896,2472	RIO
99	4.836,3058	5.132,0449	1.897,3597	RIO
100	4.818,6430	5.131,5364	1.895,4119	RIO
101	4.830,7030	5.144,6748	1.897,4838	RIO
102	4.810,3362	5.128,9717	1.895,9984	RIO

Punto	Norte	Este	Altura	Detalle
103	4.825,4702	5.144,6753	1.896,4322	RIO
104	4.821,2209	5.145,8917	1.895,7742	RIO
105	4.810,5717	5.148,2031	1.895,3448	RIO
106	4.802,1784	5.146,4877	1.895,8235	RIO
107	4.822,4443	5.152,0878	1.896,1179	RIO
108	4.817,0203	5.160,9334	1.895,7765	RIO
109	4.796,8968	5.159,9506	1.895,7857	RIO
110	4.811,2175	5.170,8159	1.896,2410	RIO
112	4.804,2738	5.165,3957	1.895,1907	RIO
113	4.790,7393	5.174,8630	1.895,3745	RIO
114	4.807,8510	5.177,4689	1.896,8336	RIO
115	4.797,7512	5.189,0100	1.894,9921	RIO
116	4.798,6164	5.193,5727	1.895,4033	RIO
117	4.799,1088	5.193,9921	1.896,6426	RIO
118	4.789,3655	5.193,7491	1.894,8657	RIO
119	4.777,5678	5.208,1161	1.894,0232	RIO
120	4.790,3327	5.206,1239	1.895,9233	RIO
121	4.767,8083	5.215,9816	1.893,9625	E3
122	4.850,1082	5.068,1586	1.896,5182	E3
123	4.780,7570	5.178,7973	1.896,6087	RIO
124	4.786,4658	5.181,6629	1.895,3901	RIO
125	4.773,4336	5.187,7434	1.896,5438	RIO
126	4.778,7189	5.192,1195	1.895,5211	RIO
127	4.788,6010	5.199,7944	1.894,6547	RIO
128	4.774,9832	5.199,2577	1.895,2023	RIO
129	4.787,8301	5.207,9892	1.895,8176	RIO
130	4.760,4475	5.199,0563	1.896,4378	RIO
131	4.762,4869	5.209,4138	1.895,4876	RIO
132	4.782,4686	5.212,6833	1.895,0832	RIO
133	4.984,1750	4.972,4472	1.905,2000	
134	4.756,0757	5.211,9359	1.895,3100	RIO
135	4.778,7248	5.218,1070	1.895,8560	RIO
136	4.749,5013	5.208,5326	1.896,2815	RIO
137	4.772,9408	5.221,4916	1.895,6680	RIO
138	4.748,1466	5.215,6011	1.894,8309	RIO
139	4.999,8635	4.958,6117	1.903,4000	
140	4.741,1603	5.218,9673	1.895,4836	RIO
141	4.763,7363	5.223,7581	1.894,8931	RIO
142	4.734,7254	5.217,9098	1.896,4639	RIO
143	4.755,6941	5.227,2563	1.894,6189	RIO
144	5.013,5931	4.950,6342	1.903,7000	
145	4.735,3464	5.222,8126	1.893,9845	RIO
146	4.751,6009	5.231,5604	1.894,7279	RIO
147	4.722,5115	5.225,6989	1.895,8297	RIO
148	4.750,4290	5.229,1780	1.893,5469	RIO
149	4.721,6443	5.230,7053	1.895,4262	RIO
150	4.748,2648	5.234,5196	1.895,2529	RIO
151	4.723,3658	5.231,9868	1.893,7325	RIO
152	4.727,7911	5.231,3435	1.893,6311	RIO
153	4.745,1264	5.227,4409	1.893,8669	RIO
154	4.729,6528	5.234,5408	1.893,8301	RIO
155	4.744,4760	5.232,3464	1.893,5707	RIO
156	4.715,0867	5.238,4590	1.893,4837	RIO

Punto	Norte	Este	Altura	Detalle
157	4.744,7914	5.237,5712	1.895,3013	RIO
158	4.713,8280	5.240,6448	1.893,3789	RIO
160	4.711,1257	5.237,5001	1.895,4019	RIO
161	4.738,9089	5.243,5189	1.895,3087	RIO
162	4.711,7090	5.240,2363	1.893,7646	RIO
163	4.731,6783	5.237,3832	1.893,5835	RIO
164	4.704,5249	5.245,1773	1.893,4504	RIO
165	4.703,3296	5.243,1173	1.894,8759	RIO
166	4.727,7193	5.249,7710	1.895,2253	RIO
167	4.698,1678	5.245,2049	1.895,0086	RIO
168	4.720,3373	5.254,3928	1.894,8830	RIO
169	4.694,0002	5.248,5464	1.894,3844	RIO
170	4.713,4928	5.249,0356	1.893,7300	RIO
171	4.695,6479	5.252,0845	1.893,3022	RIO
172	4.709,5532	5.260,7937	1.895,5026	RIO
173	4.690,3900	5.257,4287	1.893,3537	RIO
174	4.687,2568	5.252,7968	1.894,0282	RIO
175	4.703,5377	5.263,6064	1.895,3678	RIO
176	4.687,1865	5.249,9451	1.894,8546	RIO
177	4.700,7918	5.263,2176	1.894,1106	RIO
179	4.674,1657	5.259,8293	1.893,6262	RIO
180	4.694,0190	5.268,0016	1.895,5100	RIO
181	4.678,7779	5.264,4252	1.893,3979	RIO
182	4.694,0969	5.263,7275	1.893,2775	RIO
183	4.681,0116	5.272,2871	1.893,2152	RIO
184	4.695,5709	5.265,1453	1.893,5201	RIO
185	4.673,2783	5.276,8229	1.893,2285	RIO
186	4.667,4126	5.279,2266	1.894,1554	RIO
187	4.669,1739	5.261,2314	1.893,7155	RIO
188	4.661,6748	5.272,6887	1.893,3159	RIO
189	4.657,1907	5.265,5637	1.893,8393	RIO
191	4.643,8250	5.287,8250	1.894,1594	RIO
192	4.662,6204	5.270,2260	1.893,3432	RIO
193	4.663,0869	5.280,1641	1.892,9940	RIO
194	4.640,0751	5.285,1532	1.892,6357	RIO
195	4.634,6203	5.292,1263	1.894,2879	RIO
196	4.628,0971	5.287,9471	1.892,8768	E4
197	4.652,8955	5.286,0233	1.896,1485	RIO
198	4.661,7852	5.284,0552	1.896,7669	RIO
200	4.639,2257	5.268,6274	1.893,6344	RIO
201	4.635,5114	5.295,6778	1.896,6675	RIO
202	4.623,8796	5.274,6822	1.894,2771	RIO
203	4.622,7065	5.281,5794	1.893,1204	RIO
204	4.632,9411	5.290,2390	1.893,8190	RIO
205	4.610,2839	5.278,0784	1.894,4583	RIO
206	4.614,4740	5.298,1709	1.894,4332	RIO
207	4.599,9817	5.280,0442	1.894,5443	RIO
208	4.614,4300	5.295,4332	1.892,8032	RIO
209	4.599,9022	5.291,8665	1.892,8698	RIO
210	4.599,5461	5.301,9637	1.893,2852	RIO
211	4.588,4334	5.285,5883	1.893,8876	RIO
212	4.586,1114	5.294,2485	1.892,6626	RIO
213	4.606,0738	5.307,4295	1.895,6066	RIO

Punto	Norte	Este	Altura	Detalle
214	4.562,8990	5.288,6665	1.893,9525	RIO
215	4.562,5059	5.293,4748	1.892,7403	RIO
216	4.598,1950	5.294,5345	1.892,7743	RIO
217	4.560,8101	5.299,7097	1.892,6719	RIO
218	4.594,1568	5.304,4752	1.893,5122	RIO
219	4.595,7289	5.318,4871	1.895,5761	RIO
220	4.566,0592	5.309,5132	1.892,7535	RIO
221	4.582,7427	5.296,2255	1.892,7751	RIO
222	4.559,1128	5.323,2581	1.894,7115	RIO
223	4.572,8115	5.308,2395	1.892,6593	RIO
225	4.553,0285	5.310,8415	1.892,6349	RIO
226	4.547,3072	5.299,7990	1.892,5546	RIO
227	4.548,4963	5.322,8598	1.894,2723	RIO
229	4.535,8449	5.290,5684	1.893,4207	RIO
230	4.542,3114	5.312,1735	1.892,5115	RIO
231	4.521,9901	5.296,1498	1.892,6893	RIO
233	4.522,2170	5.293,4986	1.893,3237	RIO
235	4.519,4206	5.303,6124	1.892,4687	RIO
236	4.497,3837	5.304,1523	1.892,2841	RIO
237	4.498,2388	5.297,6466	1.892,4810	RIO
239	4.499,3257	5.295,0764	1.893,2213	RIO
240	4.503,2642	5.313,9540	1.892,3424	RIO
241	4.488,7587	5.298,2671	1.892,3538	RIO
242	4.492,8213	5.315,9066	1.892,4850	RIO
243	4.491,1036	5.306,9795	1.892,1767	RIO
244	4.473,7468	5.299,3639	1.892,1710	RIO
245	4.474,0947	5.318,8432	1.892,4938	RIO
246	4.473,3784	5.305,5857	1.891,9887	RIO
247	4.472,9153	5.309,9053	1.891,9264	RIO
248	4.461,3417	5.301,3346	1.891,9717	RIO
249	4.464,3865	5.320,4600	1.892,7411	RIO
250	4.456,1660	5.317,6233	1.892,1234	RIO
251	4.459,2135	5.307,4948	1.891,8123	RIO
252	4.425,1282	5.317,0075	1.891,6036	E5
253	4.476,2035	5.298,8453	1.892,0845	RIO
254	4.476,3518	5.296,2419	1.893,0725	RIO
255	4.464,9358	5.297,1978	1.893,0867	RIO
256	4.464,7320	5.300,4233	1.891,8944	RIO
257	4.450,0811	5.302,4765	1.891,6784	RIO
258	4.448,7501	5.299,4933	1.892,9231	RIO
259	4.450,4329	5.310,9338	1.891,7352	RIO
260	4.452,3006	5.321,1094	1.892,1057	RIO
261	4.451,8214	5.322,8448	1.892,7462	RIO
262	4.441,3827	5.326,5661	1.893,2705	RIO
263	4.430,8946	5.304,9688	1.891,5011	RIO
264	4.430,4119	5.302,5138	1.892,6104	RIO
265	4.437,3970	5.322,5225	1.892,0124	RIO
266	4.418,1926	5.306,9909	1.891,4220	RIO
267	4.431,3810	5.330,4534	1.893,6295	RIO
268	4.417,9088	5.304,9774	1.892,3074	RIO
269	4.426,6305	5.324,1660	1.891,9041	RIO
270	4.397,7311	5.310,6734	1.891,1924	RIO
271	4.417,4895	5.331,6522	1.893,2717	RIO

Punto	Norte	Este	Altura	Detalle
272	4.397,1891	5.306,9047	1.892,7133	RIO
273	4.407,6604	5.326,0440	1.891,5975	RIO
274	4.399,3245	5.317,9502	1.891,2496	RIO
275	4.381,2807	5.313,7929	1.891,0382	RIO
276	4.392,8577	5.333,2730	1.892,2204	RIO
277	4.382,5007	5.311,5462	1.892,0798	RIO
278	4.382,9012	5.331,0914	1.891,4337	RIO
279	4.378,1260	5.321,4498	1.891,1168	RIO
280	4.375,6040	5.336,5439	1.892,1583	RIO
281	4.353,1561	5.324,7224	1.890,8190	RIO
282	4.367,0022	5.333,5962	1.891,1407	RIO
283	4.345,6100	5.320,0681	1.890,7592	RIO
284	4.355,6672	5.339,3692	1.892,1253	RIO
285	4.345,7781	5.316,4755	1.891,7440	RIO
286	4.347,3922	5.336,2472	1.891,0225	RIO
287	4.337,2604	5.319,5629	1.891,1971	RIO
288	4.345,8282	5.328,3383	1.890,7983	RIO
289	4.337,8299	5.320,8598	1.890,7482	RIO
290	4.339,6809	5.341,3599	1.891,9295	RIO
291	4.325,6072	5.322,0021	1.890,7190	RIO
292	4.335,3757	5.336,7573	1.890,6687	RIO
293	4.324,4760	5.317,8478	1.892,1454	66
294	4.329,0959	5.343,8418	1.891,9407	RIO
295	4.323,1824	5.328,4961	1.890,6893	RIO
296	4.322,9165	5.338,8037	1.890,6267	RIO
297	4.291,6553	5.336,8692	1.890,5061	RIO
298	4.312,1772	5.347,1074	1.891,3758	RIO
299	4.288,2598	5.327,7205	1.890,6329	RIO
300	4.304,2831	5.345,6114	1.890,8341	RIO
301	4.291,9789	5.345,8650	1.890,4548	RIO
302	4.264,9673	5.342,1215	1.889,7712	RIO
303	4.276,5056	5.344,4294	1.889,8921	RIO
304	4.275,5082	5.331,6098	1.890,2307	RIO
305	4.274,3792	5.349,3567	1.890,2108	RIO
306	4.274,8680	5.331,3274	1.891,3451	RIO
307	4.269,3489	5.346,6669	1.889,9364	RIO
308	4.284,0155	5.329,8325	1.890,3530	RIO
309	5.027,5734	4.940,4899	1.903,5500	
310	5.050,8737	4.937,1373	1.903,7000	
311	4.947,7803	4.996,8756	1.905,8000	
312	4.924,5498	5.011,8418	1.905,8000	
313	4.934,5995	5.009,7637	1.897,9000	
314	4.887,9504	5.029,7229	1.905,2000	
315	4.862,2678	5.046,4702	1.904,4000	
322	4.975,6263	5.057,7991	1.901,4000	
323	4.926,2556	5.087,0278	1.901,3500	1901.35
325	4.949,4803	5.082,0212	1.901,3500	
329	4.839,2995	5.143,0650	1.897,4800	
330	4.855,6944	5.148,8701	1.897,5500	
337	4.832,4138	5.158,4936	1.899,7000	1899.70
339	4.852,5802	5.131,1531	1.898,7500	1901.75
340	4.849,7562	5.107,8652	1.898,7000	
344	5.064,7971	5.000,4732	1.902,2500	

Punto	Norte	Este	Altura	Detalle
347	4.906,1200	5.113,4763	1.901,7000	1901.70
348	5.015,9216	5.052,0811	1.901,7000	
349	4.837,9920	5.073,0550	1.901,2700	1901.27
350	4.808,6204	5.122,2156	1.901,1000	
352	4.802,1096	5.205,6051	1.898,3200	
353	4.778,0698	5.231,1934	1.897,1200	
354	4.650,2741	5.257,8430	1.895,7000	
355	4.619,3092	5.236,1585	1.895,9500	1895.65
356	4.543,5175	5.285,1925	1.894,3500	1895.65
357	4.521,1475	5.288,4650	1.896,4000	
358	4.487,3814	5.286,3639	1.896,7000	
359	4.426,9384	5.285,8888	1.897,9100	
360	4.339,1615	5.300,4943	1.898,4000	
365	4.668,7195	5.243,7143	1.896,4000	
369	4.707,9274	5.209,5751	1.895,4000	
373	4.610,0200	5.308,3641	1.895,7000	1894.05
374	4.603,0397	5.320,6245	1.895,7000	
375	4.602,0916	5.311,3200	1.896,0000	
378	4.468,3174	5.338,7835	1.893,6000	
379	4.412,7810	5.347,3710	1.893,4500	
380	4.356,1249	5.359,9269	1.893,0850	
381	4.792,0403	5.155,9582	1.898,1000	
383	4.798,6837	5.144,1674	1.897,7000	
384	4.773,3254	5.156,8253	1.897,1000	
385	4.724,0915	5.205,7976	1.896,8000	
386	4.595,3636	5.277,2059	1.894,9000	
387	4.315,7272	5.333,7462	1.890,5700	
389	4.521,8063	5.313,8990	1.892,8000	
390	4.589,4982	5.318,8386	1.895,1500	
392	4.529,3208	5.327,6135	1.894,5100	
393	4.681,7557	5.252,7024	1.895,0500	
396	4.795,8891	5.179,3523	1.894,9500	
397	4.690,1918	5.277,5525	1.897,5000	
398	4.668,5000	5.290,1181	1.897,3000	