



ID PASO ESPECIAL	COORDENADAS PASOS ESPECIALES ISTMINA				LONGITUD EN METROS
	COORDENADA INICIO		COORDENADA FIN		
	ESTE	NORTE	ESTE	NORTE	
1	1044306.242	1061971.342	1044313.318	1061958.116	15
2	1043814.735	1062321.827	1043823.096	1062318.496	9
3	1043845.472	1062324.085	1043851.775	1062336.586	14
4	1043936.655	1062130.418	1043926.702	1062119.191	15
5	1043897.525	1062100.145	1043888.225	1062084.734	18
6	1043797.706	1062096.397	1043773.821	1062103.779	25
7	1043780.695	1062051.95	1043767.814	1062033.251	23
8	1043778.558	1062055.401	1043760.994	1062064.967	20
9	1043804.442	1062215.849	1043783.583	1062218.281	21
10	1043775.686	1062102.808	1043758.899	1062105.488	17
11	1043491.683	1062225.394	1043460.35	1062234.631	35
12	1043619.359	1062406.388	1043614.808	1062404.317	5
13	1043523.186	1062371.623	1043520.669	1062367.303	5
14	1043615.403	1062428.264	1043624.689	1062431.976	10
15	1043476.398	1062508.367	1043470.287	1062511.781	7
16	1043418.298	1062497.442	1043414.902	1062502.389	36
17	1043589.648	1062567.075	1043600.094	1062570.52	11
18	1043617.146	1062574.209	1043626.907	1062576.381	10
19	1043642.888	1062566.485	1043642.267	1062536.335	35
20	1043654.453	1062583.505	1043661.416	1062614.793	40
21	1043647.174	1062628.167	1043652.044	1062627.037	5
22	1043707.377	1062669.692	1043710.872	1062684.118	17
23	1043717.243	1062697.563	1043725.16	1062696.414	8
24	1043724.363	1062714.646	1043732.001	1062717.024	8
25	1043708.31	1062710.041	1043718.347	1062714.542	11
26	1043665.784	1063087.516	1043679.343	1063091	14
27	1043782.593	1063461.87	1043782.593	1063479.87	18
28	1043508.922	1062167.966	1043522.525	1062178.161	17
29	1043645.326	1062196.542	1043648.318	1062196.77	3
30	1043352.671	1062825.405	1043287.825	1062829.866	65
31	1043290.659	1062905.853	1043296.095	1062912.247	10
32	1043232.298	1062879.514	1043231.14	1062876.746	3
33	1043234.624	1062754.408	1043238.439	1062753.206	4
34	1043188.319	1062676.944	1043190.208	1062676.285	2
35	1043205.976	1062662.534	1043206.243	1062660.552	2
36	1043245.103	1062500.43	1043247.685	1062496.148	5
37	1043319.539	1062517.233	1043323.901	1062511.759	7
38	1043378.478	1062324.958	1043365.203	1062346.143	25
39	1043127.515	1062476.648	1043125.661	1062473.103	4
40	1043131.919	1062452.725	1043127.946	1062455.761	5
41	1043173.296	1062429.599	1043168.591	1062431.292	5
42	1043198.224	1062420.371	1043201.85	1062418.682	4
43	1043057.334	1062486.839	1043060.129	1062485.748	3
44	1042973.473	1062539.427	1042967.217	1062530.379	11
45	1042970.514	1062600.563	1042975.423	1062609.275	10
46	1042995.424	1062693.666	1042984.213	1062697.944	12
47	1042792.101	1062855.517	1042793.44	1062851.748	4
48	1042763.909	1062829.37	1042767.817	1062830.225	4
49	1042685.949	1062947.67	1042688.057	1062953.288	6
50	1042669.466	1062952.485	1042675.751	1062965.005	14
51	1043064.486	1062360.203	1043076.814	1062364.269	13
52	1043090.017	1062353.003	1043064.383	1062344.524	27
53	1043203.477	1062345.144	1043201.558	1062339.459	6
54	1043012.558	1062250.777	1043016.558	1062250.828	4
55	1043037.033	1062237.341	1043046.112	1062241.532	10
56	1043127.894	1062199.727	1043124.878	1062194.54	6
57	1043160.484	1062167.67	1043163.479	1062173.997	7
58	1043167.093	1062136.26	1043171.863	1062139.9	6
59	1043142.841	1062123.53	1043141.064	1062122.611	2
60	1043241.676	1062190.857	1043200.177	1062208.26	45
61	1043186.447	1061758.038	1043253.705	1061783.736	72
62	1043179.753	1061785.957	1043183.674	1061803.525	18
63	1043168.613	1061783.438	1043153.747	1061781.439	15
64	1043147.822	1061832.568	1043147.253	1061864.877	35
65	1043085.279	1061858.269	1043078.191	1061863.816	9
66	1043100.009	1061773.469	1043103.344	1061769.744	5
67	1043075.721	1061802.294	1043079.592	1061799.129	5
68	1043012.56	1061674.108	1043009.287	1061670.328	5
69	1042962.149	1061606.132	1042951.995	1061598.015	13
70	1042929.835	1061575.905	1042934.403	1061580.529	6.5
71	1042870.899	1061499.237	1042873.483	1061504.652	6
72	1042860.575	1061514.352	1042857.127	1061512.325	4
73	1042856.169	1061482.876	1042859.384	1061485.256	4
74	1042902.389	1061493.831	1042894.521	1061489.463	9
75	1042945.93	1061541.755	1042956.344	1061535.794	12
76	1043108.909	1061702.519	1043106.7	1061700.489	3
77	1043144.306	1061731.764	1043146.569	1061733.733	3
78	1043678.547	1061880.914	1043669.434	1061876.794	10
79	1043672.141	1061945.705	1043690.762	1061938.405	20
80	1043702.436	1061962.412	1043694.19	1061944.191	20
81	1043704.237	1061964.605	1043690.156	1061972.204	16
82	1043716.333	1061996.834	1043713.887	1061980.011	17
83	1043347.026	1061734.929	1043407.861	1061597.819	150
84	1043120.21	1061261.584	1043117.799	1061273.339	12
85	1043070.723	1061105.375	1043079.721	1061105.587	9
86	1043179.364	1061246.382	1043174.458	1061270.896	25
87	1043283.099	1061337.217	1043284.252	1061327.283	10
88	1043331.912	1061333.053	1043330.646	1061343.98	11
89	1043547.277	1061142.975	1043546.5	1061162.96	20
90	1043568.106	1060730.307	1043567.361	1060742.014	12
91	1043589.608	1060450.882	1043594.807	1060430.535	21
92	1043286.801	1060688.728	1043277.177	1060668.945	22
93	1043741.09	1060521.852	1043740.468	1060527.819	6
94	1043723.551	1060706.392	1043725.018	1060669.421	37
95	1043640.179	1060840.136	1043670.171	1060840.85	30
96	1043700.851	1060904.993	1043702.252	1060888.051	17
97	1043678.789	1061110.467	1043681.295	1061092.642	18
98	1043819.719	1061161.831	1043807.8	1061170.938	15
99	1043993.929	1061234.244	1043995.929	1061229.824	5
100	1044071.413	1061156.983	1044068.381	1061166.512	10
101	1044120.013	1061129.634	1044129.981	1061130.427	7
102	1044128.28	1061196.496	1044123.135	1061206.218	11
103	1044185.186	1061237.718	1044186.61	1061230.864	7
104	1044268.607	1061175.387	1044260.861	1061169.063	10
105	1044559.112	1061696.113	1044562.569	1061695.57	3.5
106	1044705.491	1061550.003	1044698.648	1061551.481	7
107	1044653.662	1061783.621	1044664.297	1061789.178	12
108	1044624.047	1061866.681	1044624.895	1061881.657	15
109	1044280.267	1061782.155	1044273.288	1061781.615	7

			ELABORO: ASESORIA E INTERVENCION TECNICA, AMBIENTAL, SOCIAL, ADMINISTRATIVA, LEGAL Y FINANCIERA PARA LA CONSTRUCCION DE LAS OBRAS DE ACUEDUCTO EN EL MUNICIPIO DE ISTMINA, ETAPA I, DEPARTAMENTO DE CHOCO - COLOMBIA	PROYECTO: ACUEDUCTO DEL MUNICIPIO DE ISTMINA - CHOCO	REVISADO: ING. JOSÉ CASTRO PINEDA M.P. 25202-70154 CND	APROBADO: APROB. REPRESENTANTE LEGAL: ING. CLAUDIA MARCELA CASTILLO OSPINA DIRECTOR GENERAL PROYECTO: TOPOS POR EL PACIFICO, COMPONENTE: CHOCO.	MODIFICACIONES: <table border="1"> <thead> <tr> <th>FECHA</th> <th>MODIFICACION</th> <th>NOMBRE ING. RESPONSABLE</th> <th>FIRMA</th> </tr> </thead> <tbody> <tr> <td>01-2019</td> <td>REVISION-01</td> <td>JOSÉ-CASTRO</td> <td></td> </tr> <tr> <td>R1-FECHA</td> <td>R1-REVISION</td> <td>R1-DISEÑO</td> <td></td> </tr> <tr> <td>R2-FECHA</td> <td>R2-REVISION</td> <td>R2-DISEÑO</td> <td></td> </tr> </tbody> </table>			FECHA	MODIFICACION	NOMBRE ING. RESPONSABLE	FIRMA	01-2019	REVISION-01	JOSÉ-CASTRO		R1-FECHA	R1-REVISION	R1-DISEÑO		R2-FECHA	R2-REVISION	R2-DISEÑO		CONVENCIONES: 	ESCALA: 4/1000	PLANO: 1/2 FECHA: 01/2019 ARCHIVO: IST-EHS-ACU-PE-01.dwg
							FECHA	MODIFICACION	NOMBRE ING. RESPONSABLE	FIRMA																		
01-2019	REVISION-01	JOSÉ-CASTRO																										
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