

EST	PO	AZIMUT	DISTANCIA
0	1	12°59'36"	10.13
1	2	14°56'29"	2.99
2	3	26°58'36"	7.16
3	4	38°27'33"	3.21
4	5	46°14'59"	3.31
5	6	50°05'45"	2.91
6	7	59°59'18"	4.63
7	8	50°20'32"	1.39
8	9	62°12'47"	6.10
9	10	56°03'57"	3.06
10	11	47°45'21"	5.49
11	12	54°01'40"	7.62
12	13	48°30'43"	5.23
13	14	43°31'16"	3.89
14	15	23°24'29"	4.67
15	16	7°33'02"	4.64
16	17	352°28'07"	4.18
17	18	354°57'27"	8.12
18	19	356°54'13"	19.57
19	20	3°41'44"	10.26
20	21	8°08'10"	6.66
21	22	12°47'18"	4.00
22	23	16°15'20"	6.27
23	24	17°59'01"	8.27
24	25	12°49'51"	2.10
25	26	19°29'33"	6.78
26	27	22°12'32"	6.26
27	28	26°55'06"	11.09
28	29	31°55'21"	10.39
29	30	124°41'18"	9.76
30	31	120°45'25"	8.41
31	32	49°31'09"	34.11
32	33	122°19'15"	13.46
33	34	125°09'03"	22.98
34	35	126°50'55"	12.93
35	36	125°45'17"	33.63
36	37	131°25'16"	13.87
37	38	127°41'58"	12.38
38	39	129°30'51"	20.70
39	40	130°28'32"	6.03
40	41	127°35'19"	9.63
41	42	147°51'03"	17.86
42	43	24°50'05"	6.77
43	44	48°06'54"	9.79
44	45	27°57'08"	16.41
45	46	33°58'12"	11.41
46	47	60°57'07"	21.99
47	48	37°48'43"	11.17
48	49	22°07'46"	11.87
49	50	61°45'32"	23.32
50	51	46°00'33"	7.43
51	52	39°50'40"	19.96
52	53	89°49'52"	18.67
53	54	31°10'36"	4.16
54	55	51°07'24"	9.00
55	56	79°33'49"	7.20
56	57	132°14'50"	10.03
57	58	135°41'27"	16.83

EST	PO	AZIMUT	DISTANCIA
58	59	142°10'31"	21.90
59	60	203°17'01"	11.95
60	61	208°31'43"	5.70
61	62	185°00'38"	5.98
62	63	168°35'10"	17.92
63	64	170°02'25"	11.93
64	65	156°45'25"	18.55
65	66	175°05'39"	16.57
66	67	197°00'15"	13.66
67	68	222°08'05"	14.81
68	69	226°17'06"	3.91
69	70	282°09'03"	9.16
70	71	282°57'36"	6.69
71	72	217°36'39"	47.00
72	73	207°01'59"	24.26
73	74	209°59'11"	2.83
74	75	212°16'32"	8.92
75	76	214°38'40"	5.71
76	77	218°08'01"	25.88
77	78	220°53'23"	8.36
78	79	220°27'14"	17.57
79	80	265°01'32"	4.15
80	81	235°32'33"	7.27
81	82	233°30'33"	17.93
82	83	235°25'06"	35.47
83	84	181°56'48"	13.42
84	85	175°03'42"	7.79
85	86	208°13'32"	11.68
86	87	240°04'27"	10.21
87	88	228°06'43"	16.67
88	89	221°17'46"	10.23
89	90	205°49'50"	4.15
90	91	275°38'33"	12.33
91	92	269°30'51"	6.37
92	93	264°42'48"	8.94
93	94	274°40'49"	11.09
94	95	279°28'58"	16.65
95	96	281°31'10"	12.55
96	97	280°45'44"	21.07
97	98	346°07'33"	19.22
98	99	350°57'33"	21.03
99	100	352°09'56"	14.72
100	101	354°59'44"	12.20
101	102	11°04'38"	37.32
102	103	359°38'51"	12.84
103	104	0°21'41"	14.74
104	105	8°18'18"	7.68
105	106	320°00'24"	21.10
106	107	289°10'39"	20.23
107	108	285°13'16"	12.14
108	109	274°55'03"	15.34
109	110	279°16'51"	8.30
110	111	275°16'11"	11.93
111	112	264°09'52"	9.34
112	113	257°18'31"	3.94
113	114	252°23'31"	11.77
114	115	339°14'12"	2.72
115	0	340°00'34"	1.97

AREA = 77,195.70 m^2 ~ 110,453.77 vrs^2

COORDENADAS

PTO	COORD X	COORD Y	COORD Z
EST 1	1,000.000	1,000.00	500.00
EST 2	998.367	1,011.039	501.506
EST 3	1,011.730	1,010.692	502.633

SIMBOLOGÍA	
——— — ———	CAUCE DEL RÍO
——o——o——o——	CERCO
EST #	ESTACIÓN TOPOGRÁFICA

PROCIVIL
PROYECTOS DE INGENIERÍA

PROYECTO: TOPOGRAFÍA DE GRANJA

UBICACIÓN: LAGUNA BERMEJA,
MUNICIPIO DE SANTA CATARINA PINULA, GUATEMALA

CONTIENE: PLANIMETRÍA

DISEÑÓ: --	REVISÓ: JR	DIBUJÓ: JR

FECHA: AGOSTO 2023	ESCALA: 1:750

ING. JUAN MIGUEL RUIZ SAMAYOA
COL. 8998

TIMBRE