

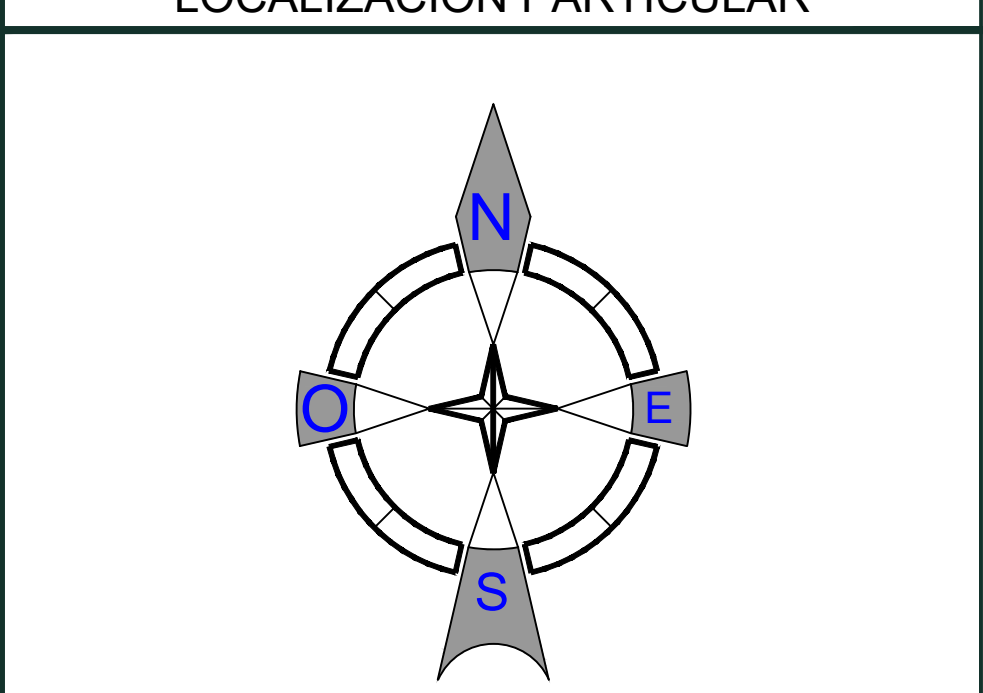
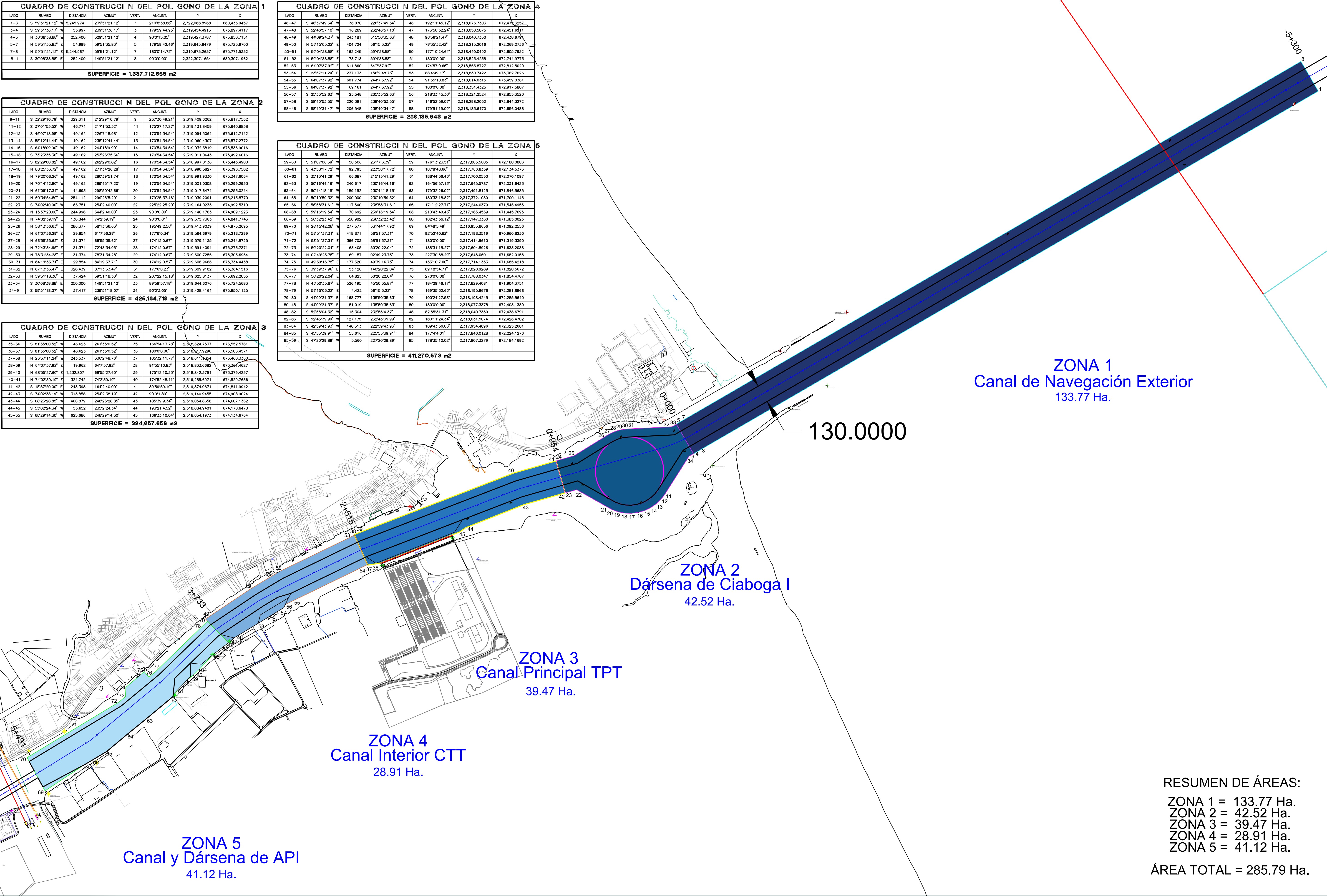
CUADRO DE CONSTRUCCI N DEL POL GONO DE LA ZONA 1									
LADO	RUMBO	DISTANCIA	AZIMUT	VERT.	ANG.INT.	Y	X		
1-3	S 59°51'21.12" W	5,245.974	239°51'21.12"	1	210°8'38.88"	2,322,088.898	680,433.947		
3-4	S 59°51'36.17" W	53.997	239°51'36.17"	3	179°59'34.95"	2,319,454.493	675,897.417		
4-5	N 30°08'38.88" W	252.400	339°51'11.12"	4	90°01'10.00"	2,319,427.379	675,860.715		
5-7	N 59°51'35.83" E	54.999	59°51'35.83"	5	179°59'42.88"	2,319,845.849	675,723.970		
7-8	N 59°51'21.12" E	5,244.967	59°51'21.12"	7	180°01'14.72"	2,319,873.263	675,771.532		
8-1	S 30°08'38.88" E	252.400	149°51'21.12"	8	90°01'10.00"	2,322,307.185	680,307.192		
SUPERFICIE = 1,337,712.655 m2									

CUADRO DE CONSTRUCCI N DEL POL GONO DE LA ZONA 2									
LADO	RUMBO	DISTANCIA	AZIMUT	VERT.	ANG.INT.	Y	X		
9-11	S 32°29'10.79" W	329.311	212°29'10.79"	9	237°30'49.21"	2,319,409.829	675,817.782		
11-12	S 37°01'53.52" W	46.774	217°1'53.52"	11	176°27'17.27"	2,319,131.849	675,640.888		
12-13	S 48°07'18.98" W	49.162	226°7'18.98"	12	170°54'34.54"	2,319,094.504	675,612.742		
13-14	S 50°12'44.44" W	49.162	230°12'44.44"	13	170°54'34.54"	2,319,060.430	675,577.272		
14-15	S 64°18'09.90" W	49.162	244°18'09.90"	14	170°54'34.54"	2,319,032.381	675,536.901		
15-16	S 73°23'35.36" W	49.162	253°23'35.36"	15	170°54'34.54"	2,319,011.064	675,492.601		
16-17	S 82°29'0.82" W	49.162	262°29'0.82"	16	170°54'34.54"	2,318,997.016	675,448.490		
17-18	N 89°25'33.72" E	49.162	271°19'26.28"	17	170°54'34.54"	2,318,990.267	675,396.752		
18-19	N 79°20'08.29" E	49.162	280°38'51.74"	18	170°54'34.54"	2,318,991.830	675,341.604		
19-20	N 70°14'42.80" E	49.162	289°45'17.20"	19	170°54'34.54"	2,319,001.008	675,299.293		
20-21	N 61°09'17.34" E	44.693	298°50'42.66"	20	170°54'34.54"	2,319,017.847	675,253.024		
21-22	N 60°34'54.80" E	254.112	299°25'5.20"	21	179°25'37.46"	2,319,039.291	675,213.870		
22-23	S 74°02'40.00" W	86.751	254°2'40.00"	22	225°22'25.20"	2,319,164.023	674,992.510		
23-24	N 15°57'20.00" E	244.998	344°2'40.00"	23	90°01'10.00"	2,319,140.176	674,909.123		
24-25	N 74°02'39.19" E	138.844	74°02'39.19"	24	90°01'10.00"	2,319,375.763	674,841.773		
25-26	N 58°13'36.83" E	288.377	58°13'36.83"	25	189°49'2.56"	2,319,413.009	674,975.289		
26-27	N 61°07'36.29" E	29.854	61°07'36.29"	26	177°03.34"	2,319,564.697	675,218.729		
27-28	N 66°55'35.62" E	31.374	66°55'35.62"	27	174°12'0.67"	2,319,579.135	675,244.875		
28-29	N 72°43'34.95" E	31.374	72°43'34.95"	28	174°12'0.67"	2,319,591.409	675,273.731		
29-30	N 78°31'34.28" E	31.374	78°31'34.28"	29	174°12'0.67"	2,319,600.726	675,303.694		
30-31	N 84°19'33.71" E	29.854	84°19'33.71"	30	174°12'0.67"	2,319,606.966	675,334.448		
31-32	N 87°13'33.47" E	328.439	87°13'33.47"	31	177°01'0.23"	2,319,609.918	675,364.151		
32-33	N 59°51'18.30" E	37.424	59°51'18.30"	32	207°22'15.18"	2,319,625.817	675,692.205		
33-34	S 30°08'38.88" E	250.000	149°51'21.12"	33	89°59'51.16"	2,319,644.807	675,724.583		
34-9	S 59°51'18.07" W	37.417	339°51'18.07"	34	90°01'10.00"	2,319,428.416	675,850.112		
SUPERFICIE = 425,164.719 m2									

CUADRO DE CONSTRUCCI N DEL POL GONO DE LA ZONA 3									
LADO	RUMBO	DISTANCIA	AZIMUT	VERT.	ANG.INT.	Y	X		
35-36	S 81°35'00.52" W	46.623	281°35'0.52"	35	166°54'13.78"	2,318,624.757	673,552.571		
36-37	S 81°35'00.52" W	46.623	281°35'0.52"	36	180°01'0.00"	2,318,617.926	673,506.457		
37-38	N 23°57'11.24" E	243.537	336°2'48.76"	37	105°32'11.77"	2,318,611.704	673,460.350		
38-39	N 44°07'37.62" E	19.862	44°07'37.62"	38	91°50'10.82"	2,318,633.980	673,347.467		
39-40	N 68°55'27.60" E	1,232.807	68°55'27.60"	39	175°12'10.33"	2,318,842.379	673,379.423		
40-41	N 74°02'39.19" E	324.742	74°02'39.19"	40	174°52'48.41"	2,319,285.921	674,529.766		
41-42	S 19°57'20.00" E	243.398	164°2'40.00"	41	89°59'59.19"	2,319,374.961	674,841.994		
42-43	S 74°02'38.19" W	313.808	254°2'38.19"	42	90°01'10.00"	2,319,140.455	674,908.904		
43-44	S 68°23'28.85" W	460.879	248°23'28.85"	43	185°39'9.34"	2,319,054.658	674,607.136		
44-45	S 50°02'24.34" W	53.652	235°2'24.34"	44	193°21'4.52"	2,318,884.941	674,178.647		
45-35	S 68°29'14.30" W	625.686	248°29'14.30"	45	166°33'10.04"	2,318,854.193	674,134.674		
SUPERFICIE = 394,657.658 m2									

CUADRO DE CONSTRUCCI N DEL POL GONO DE LA ZONA 4									
LADO	RUMBO	DISTANCIA	AZIMUT	VERT.	ANG.INT.	Y	X		
46-47	S 49°37'49.34" W	38.070	226°37'49.34"	46	192°11'45.12"	2,318,076.703	672,749.357		
47-48	S 52°49'57.10" W	6.289	232°49'57.10"	47	173°59'55.24"	2,318,050.587	672,751.811		
48-49	N 44°09'24.37" E	243.181	31°59'25.63"	48	96°52'1.47"	2,318,040.730	672,438.974		
49-50	N 56°15'03.22" E	404.724	56°15'03.22"	49	79°35'32.42"	2,318,215.201	672,269.276		
50-51	N 59°04'38.58" E	182.245	59°04'38.58"	50	177°10'24.64"	2,318,440.049	672,605.732		
51-52	N 59°04'38.58" E	78.713	59°04'38.58"	51	180°01'0.00"	2,318,523.428	672,744.973		
52-53	N 64°07'37.92" E	611.560	64°7'37.92"	52	174°57'0.65"	2,318,563.872	672,812.502		
53-54	S 23°57'11.24" E	237.133	156°2'48.76"	53	88°4'49.17"	2,318,830.742	673,362.762		
54-55	S 64°07'37.92" W	601.774	244°7'37.92"	54	91°59'10.83"	2,318,614.031	673,499.031		
55-56	S 64°07'37.92" W	61.181	244°7'37.92"	55	180°01'0.00"	2,318,351.435	673,017.587		
56-57	S 29°33'53.63" W	23.548	293°33'53.63"	56	318°33'45.30"	2,318,321.254	672,855.350		
57-58	S 56°40'53.55" W	220.391	238°40'53.55"	57	145°52'56.07"	2,318,298.202	672,844.322		
58-46	S 56°49'34.47" W	206.548	238°49'34.47"	58	179°51'19.09"	2,318,183.647	672,656.048		
SUPERFICIE = 289,135.843 m2									

CUADRO DE CONSTRUCCI N DEL POL GONO DE LA ZONA 5									
LADO	RUMBO	DISTANCIA	AZIMUT	VERT.	ANG.INT.	Y	X		
59-60	S 51°07'06.39" W	58.506	231°7'6.39"	59	176°13'23.51"	2,317,803.565	672,180.806		
60-61	S 43°58'17.72" W	92.795	232°58'17.72"	60	187°8'48.96"	2,317,768.839	672,134.573		
61-62	S 39°34'1.28" W	68.687	231°34'1.28"	61	188°4'43.47"	2,317,700.050	672,076.197		
62-63	S 50°16'44.16" W	240.817	230°16'44.16"	62	164°56'57.13"	2,317,845.578	672,031.842		
63-64	S 50°44'18.15" W	189.152	230°44'18.15"	63	179°32'28.02"	2,317,491.815	671,846.585		
64-65	S 50°10'59.32" W	200.000	230°10'59.32"	64	180°33'18.82"	2,317,372.105	671,700.115		
65-66	S 58°58'31.61" W	117.540	238°58'31.61"	65	171°12'27.71"	2,317,244.037	671,546.495		
66-68	S 59°16'19.54" W	70.692	239°16'19.54"	66	210°43'40.46"	2,317,183.459	671,445.769		
68-69	S 56°32'23.42" W	350.902	236°32'23.42"	68	182°43'56.12"	2,317,147.330	671,386.002		
69-70	N 26°19'42.08" E	277.377	33°44'17.92"	69	84°48'5.47"	2,316,963.866	671,092.256		
70-71	N 58°51'37.31" E	418.871	58°51'37.31"	70	82°52'40.62"	2,317,198.351	670,960.830		
71-72	N 58°51'37.31" E	366.703	58°51'37.31"	71	180°01'0.00"	2,317,414.981	671,319.330		
72-73	N 50°20'22.04" E	63.405	50°20'22.04"	72	188°31'15.27"	2,317,604.596	671,633.208		
73-74	N 02°49'23.75" E	69.157	02°49'23.75"	73	227°30'56.29"	2,317,646.081	671,682.015		
74-75	N 49°39'16.75" E	177.320	49°39'16.75"	74	133°10'07.00"	2,317,714.133	671,685.421		
75-76	S 39°39'37.96" E	53.120	140°20'22.04"	75	89°18'54.71"	2,317,828.929	671,820.562		
76-77	N 50°20'22.04" E	64.825	50°20'22.04"	76	270°01'0.00"	2,317,788.037	671,854.470		
77-78	N 45°50'35.87" E	528.185	45°50'35.87"	77	169°39'46.17"	2,317,829.491	671,904.351		
78-79	N 56°15'03.22" E	4.422	56°15'03.22"	78	169°35'32.65"	2,318,195.967	672,281.868		
79-80	S 44°09'24.37" E	168.777	135°00'35.63"	79	100°24'27.58"	2,318,198.424	672,285.560		
80-48	S 44°09'24.37" E	51.019	135°00'35.63"	80	180°01'0.00"	2,318,077.337	672,403.130		
48-82	S 52°55'04.32" W	15.304	232°55'4.32"	48	82°55'31.31"	2,318,040.730	672,438.679		
82-83	S 52°43'39.99" W	127.175	232°43'39.99"	82	180°11'24.34"	2,318,031.507	672,426.470		
83-84	S 42°59'43.93" W	148.313	222°59'43.93"	83	189°43'56.06"	2,317,954.486	672,325.261		
84-85	S 49°59'39.91" W	55.616	225°59'39.91"	84	177°4'4.01"	2,317,846.018	672,224.126		
85-59	S 47°20'29.89" W	5.580	227°20'29.89"	85	178°35'10.02"	2,317,807.327	672,184.169		
SUPERFICIE = 411,270.573 m2									



RESUMEN DE ÁREAS:  
ZONA 1 = 133.77 Ha.  
ZONA 2 = 42.52 Ha.  
ZONA 3 = 39.47 Ha.  
ZONA 4 = 28.91 Ha.  
ZONA 5 = 41.12 Ha.  
ÁREA TOTAL = 285.79 Ha.

"SUPERVISIÓN Y CONTROL DEL DRAGADO DE MANTENIMIENTO EN EL PUERTO DE TUXPAN, VERACRUZ"

CONTENIDO:  
"PLANO DE LOCALIZACIÓN DE LAS DIFERENTES ÁREAS A LEVANTAR"  
Canal de Nave