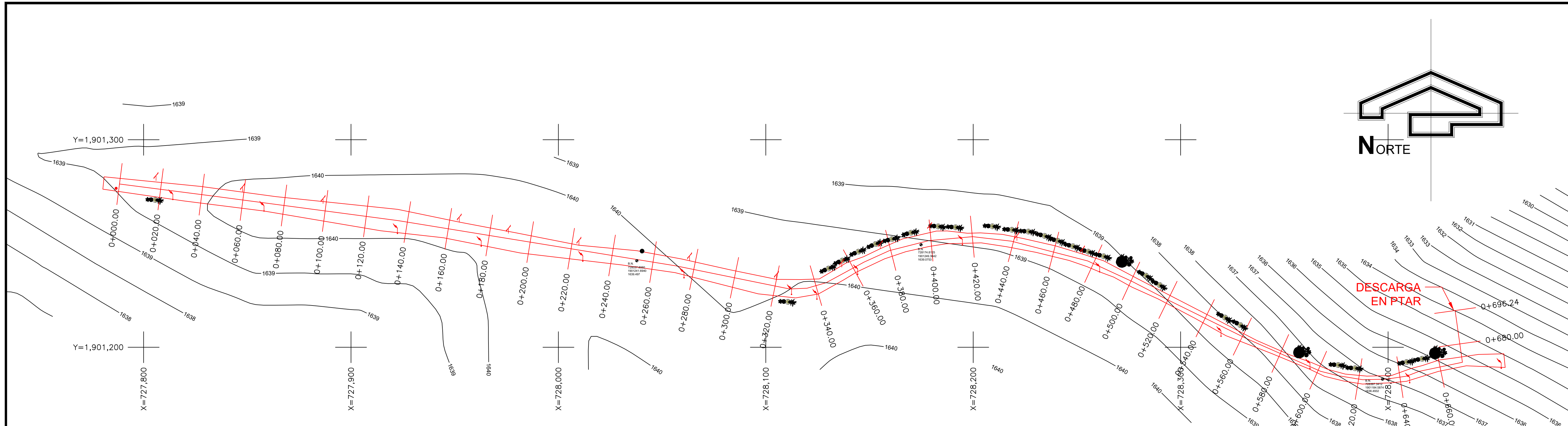




CROQUIS DE MICRO-LOCALIZACION

UBICACIÓN:
CAMINO A NAZARENO ETLA. SAN ANDRES ZAUTLA, C.P. 68244, OAXACA.

POSTE C.F.E.

POZO DE VISITA DRENAJE SANITARIO

POSTE TELMEX

ÁRBOL

B.N.

CURVA DE NIVEL

DATOS DE PROYECTO

POBLACIÓN:	HABITACIONAL	2346	HAB.
DOTACIÓN:	HABITACIONAL	203	LTHAB/DIA
AFORTACIÓN:	% DE DOTACIÓN	75	%
GASTO DE DISEÑO:	MÍNIMO	2,070	LPS
	MEDIO DIARIO	4,140	LPS
	MÁXIMO INSTANTÁNEO	14,610	LPS
	MÁXIMO EXTRAORDINARIO	21,900	LPS
PERIODO DE DISEÑO:		15	AÑOS
COEFICIENTES:	SEGURIDAD	1.5	
VEL. DE DISEÑO:	MÍNIMA	3.30	M/S
	MÁXIMA	5.00	M/S
TIPO DE TUBERÍA:	PVC SANITARIO		

VOLUMENES DE OBRA

DESCRIPCIÓN	CANT.	UNIDAD
LIMPIEZA TRAZO Y NIV.	689.29	M2
EXCAVACIÓN A MÁQUINA EN TERRENO TIPO II	1961.81	M3
CAMA DE ARENA	68.92	M3
TUBERÍA PEAD ADS 18"	689.24	ML
OPERAJO DE MATERIAL PARA RELLENO ACOSTILLADO	543.42	M3
RELLENO ACOSTILLADO CON MAT. MEJORADO Y COMPACTACIÓN MANUAL	543.42	M3
RELLENO COMPACTADO AL 95% PROCTOR CON MATERIAL PRODUCTO DE LA EXCAVACIÓN	1350.43	M3
ACARREO	280.89	M3
SOBRE ACARREO	1454.44	M3-KM
LIMPIEZA GENERAL DE LA OBRA	689.29	M2

PROYECTO:
REHABILITACIÓN DE LA RED DE DRENAJE SANITARIO 1RA. ETAPA EN LA LOCALIDAD SAN ANDRÉS ZAUTLA, MUNICIPIO SAN ANDRÉS ZAUTLA

H. AYUNTAMIENTO CONSTITUCIONAL DE "SAN ANDRES ZAUTLA".

ESTADO: (20) OAXACA
DISTRITO: (19) CENTRO.
REGIÓN: (08) VALLES
CENTRALES.

MUNICIPIO: (102) SAN ANDRES ZAUTLA
LOCALIDAD: (001) SAN ANDRES ZAUTLA.

POR LA AUTORIDAD MUNICIPAL

C. MARCELINO ANGEL FELIX
PRESIDENTE MUNICIPAL CONSTITUCIONAL

ING. FERNANDO ANTONIO GARCIA CORNELIO
DIRECTOR RESPONSABLE DE OBRA. CED. PROF. 9430075 D.R.O. I-3100-A

ING. JUAN DANIEL GARCIA TOMAS
PROYECTISTA. CED. PROF. 14586296

PLANO:
PLANTA TOPOGRAFICA

ESCALA:
1:1

FECHA:
JUNIO DE 2025

Nº DE PLANO PARTICULAR:
01 de 01

Nº DE PLANO GENERAL:
03 de 03

CUADRO DE CONSTRUCCION						
LADO		RUMBO	DISTANCIA	V	C O O R D E N A D A S	
EST	PV				Y	X
				1	1,901,276.1684	727,780.3563
1	2	S 81°46'17.09" E	39.588	2	1,901,270.5025	727,819.5366
2	3	S 82°49'38.33" E	38.816	3	1,901,265.6559	727,858.0487
3	4	S 80°24'07.96" E	57.115	4	1,901,256.1330	727,914.3646
4	5	S 83°38'26.29" E	30.439	5	1,901,252.7614	727,944.6166
5	6	S 78°47'04.20" E	37.787	6	1,901,245.4119	727,981.6819
6	7	S 83°17'54.37" E	49.357	7	1,901,239.6520	728,030.7019
7	8	S 81°47'56.67" E	25.797	8	1,901,235.9723	728,056.2348
8	9	S 75°39'35.25" E	41.379	9	1,901,225.7236	728,096.3243
9	10	S 83°48'40.19" E	18.146	10	1,901,223.7673	728,114.3648
10	11	N 80°25'45.53" E	11.121	11	1,901,225.6164	728,125.3314
11	12	N 60°46'22.44" E	13.941	12	1,901,232.4236	728,137.4979
12	13	N 58°43'52.22" E	7.197	13	1,901,236.1593	728,143.6496
13	14	N 64°38'25.90" E	15.089	14	1,901,242.6220	728,157.2849
14	15	N 71°27'25.54" E	10.748	15	1,901,246.0401	728,167.4751
15	16	N 77°16'37.48" E	11.573	16	1,901,248.5889	728,178.7641
16	17	N 81°15'46.92" E	8.356	17	1,901,249.8582	728,187.0233
17	18	N 88°35'41.02" E	8.973	18	1,901,250.0783	728,195.9936
18	19	N 88°13'30.04" E	7.842	19	1,901,250.3212	728,203.8320
19	20	S 81°11'29.34" E	12.381	20	1,901,248.4253	728,216.0666
20	21	S 79°12'53.33" E	14.447	21	1,901,245.7218	728,230.2587
21	22	S 76°19'54.86" E	16.430	22	1,901,241.8395	728,246.2232
22	23	S 70°55'51.36" E	8.895	23	1,901,238.9335	728,254.6300
23	24	S 67°25'42.97" E	6.815	24	1,901,236.3178	728,260.9226
24	25	S 69°46'20.22" E	7.338	25	1,901,233.7806	728,267.8081
25	26	S 61°10'41.75" E	10.043	26	1,901,228.9390	728,276.6071
26	27	S 65°39'43.67" E	13.552	27	1,901,223.3542	728,288.9544
27	28	S 62°20'30.47" E	20.160	28	1,901,213.9959	728,306.8109
28	29	S 60°39'48.89" E	17.295	29	1,901,205.5224	728,321.8881
29	30	S 68°44'03.92" E	23.732	30	1,901,196.9150	728,344.0040
30	31	S 67°33'33.48" E	19.365	31	1,901,189.5228	728,361.9029
31	32	S 64°31'58.97" E	8.266	32	1,901,185.9685	728,369.3656
32	33	S 76°12'35.56" E	9.510	33	1,901,183.7017	728,378.6012
33	34	S 80°58'06.65" E	9.229	34	1,901,182.2530	728,387.7158
34	35	N 87°31'02.74" E	13.975	35	1,901,182.8583	728,401.6781
35	36	N 84°14'29.50" E	7.290	36	1,901,183.5897	728,408.9310
36	37	N 72°48'55.04" E	16.034	37	1,901,188.3271	728,424.2495
37	38	N 78°34'40.93" E	13.759	38	1,901,191.0520	728,437.7364
38	39	S 87°35'28.83" E	18.780	39	1,901,190.2627	728,456.5000
39	40	N 06°03'34.22" W	6.605	40	1,901,196.8307	728,455.8027
40	41	S 88°30'37.97" W	12.277	41	1,901,196.5116	728,443.5296
41	42	S 81°47'20.71" W	12.555	42	1,901,194.7185	728,431.1037
42	43	S 82°15'33.16" W	6.486	43	1,901,193.8449	728,424.6765
43	44	S 71°48'27.56" W	8.634	44	1,901,191.1493	728,416.4743

CUADRO DE CONSTRUCCION						
LADO		RUMBO	DISTANCIA	V	C O O R D E N A D A S	
EST	PV				Y	X
44	45	S 75°25'26.69" W	5.493	45	1,901,189.7670	728,411.1583
45	46	S 70°13'04.89" W	10.174	46	1,901,186.3236	728,401.5845
46	47	S 88°43'42.68" W	11.793	47	1,901,186.0620	728,389.7945
47	48	N 84°39'06.78" W	10.436	48	1,901,187.0347	728,379.4039
48	49	N 74°53'30.06" W	8.708	49	1,901,189.3043	728,370.9971
49	50	N 67°20'07.11" W	8.756	50	1,901,192.6784	728,362.9169
50	51	N 70°23'05.11" W	10.929	51	1,901,196.3475	728,352.6217
51	52	N 66°34'01.66" W	17.372	52	1,901,203.2561	728,336.6820
52	53	N 62°29'52.02" W	28.711	53	1,901,216.5145	728,311.2153
53	54	N 62°42'18.61" W	34.439	54	1,901,232.3072	728,280.6107
54	55	N 62°17'05.93" W	20.130	55	1,901,241.6692	728,262.7900
55	56	N 72°15'06.95" W	10.648	56	1,901,244.9151	728,252.6487
56	57	N 73°14'25.58" W	13.555	57	1,901,248.8238	728,239.6692
57	58	N 77°02'19.05" W	15.981	58	1,901,252.4084	728,224.0949
58	59	N 78°52'28.80" W	10.272	59	1,901,254.3904	728,214.0159
59	60	N 86°06'12.25" W	10.500	60	1,901,255.1040	728,203.5401
60	61	S 88°33'04.31" W	6.272	61	1,901,254.9454	728,197.2705
61	62	N 83°30'46.53" W	9.824	62	1,901,256.0554	728,187.5090
62	63	S 89°26'07.46" W	5.236	63	1,901,256.0038	728,182.2732
63	64	S 76°56'34.75" W	16.853	64	1,901,252.1964	728,165.8563
64	65	S 66°20'26.89" W	11.646	65	1,901,247.5229	728,155.1892
65	66	S 64°08'32.62" W	9.027	66	1,901,243.5858	728,147.0658
66	67	S 70°15'53.23" W	8.912	67	1,901,240.5766	728,138.6775
67	68	S 59°19'50.28" W	14.962	68	1,901,232.9445	728,125.8079
68	69	S 87°47'16.67" W	8.764	69	1,901,232.6062	728,117.0503
69	70	N 89°34'34.19" W	11.858	70	1,901,232.6939	728,105.1921
70	71	N 78°25'09.75" W	23.216	71	1,901,237.3544	728,082.4491
71	72	N 77°23'48.79" W	23.620	72	1,901,242.5081	728,059.3987
72	73	N 79°26'19.32" W	21.972	73	1,901,246.5353	728,037.7989
73	74	N 84°39'58.07" W	28.034	74	1,901,249.1413	728,009.8860
74	75	N 78°47'04.31" W	30.569	75	1,901,255.0869	727,979.9013
75	76	N 79°18'57.08" W	28.205	76	1,901,260.3160	727,952.1851
76	77	N 78°16'34.93" W	30.261	77	1,901,266.4648	727,922.5550
77	78	N 84°02'34.23" W	59.076	78	1,901,272.5960	727,863.7980
78	79	N 82°20'41.70" W	36.760	79	1,901,277.4928	727,827.3652
79	80	N 84°16'18.08" W	46.635	80	1,901,282.1476	727,780.9627
80	1	S 05°43'41.92" W	6.010	1	1,901,276.1675	727,780.3629