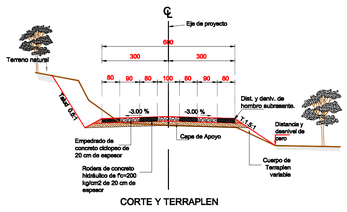
DATOS DE PROYECTO

CAMINO TIPO " ARTESANAL "

VELOCIDAD DE PROYECTO	ANCHO DE CORONA	ANCHO DE CALZADA
30 km/h	6.00 m.	6.00 m.
CURVATURA MAXIMA	**PENDIENTE MAXIMA**	**PENDIENTE GOBERNADORA**
60°00'00"	12.00 %	9.00 %

S E C C I O N T I P O



CORTE Y TERRAPLEN

SIN ESCALA

SIMBOLOGIA

BANCOS DE NIVEL

HOMBRO
EJE DEL CAMINO
HOMBRO

OBRA DE DRENAJE

NUMERO DE CURVA

KILOMETRAJE

POSTE DE C.F.E.

TIRANTE (ARREMETIDA DE POSTE)

CERCO DE PUAS O MALLA

DERECHO DE VIA

ORILLA DE CAMINO EXISTENTE

CURVA DE NIVEL ORDINARIA

CURVA DE NIVEL MAESTRA A CADA 5 MTS

Camino: CONSTRUCCION DE LA CARRETERA SIN NOMBRE CON CONCRETO HIDRAÚLICO DE SANTIAGO JOCOTEPEC - EC.(E.C. (SANTIAGO PINOTEPA NACIONAL - SALINA CRUZ) - ZACATEPEC), TRAMO DEL KM 0+000 AL KM 8+800, SUBTRAMO DEL KM 1+060 AL KM 1+580, EN EL MUNICIPIO DE VILLA DE TUTUTEPEC

PLANTA TOPOGRAFICA DEL KM. 1+060.00 AL KM. 1+580.00

PROYECTO:

DIRECCION DE PROYECTOS Y CONTROL DE CALIDAD

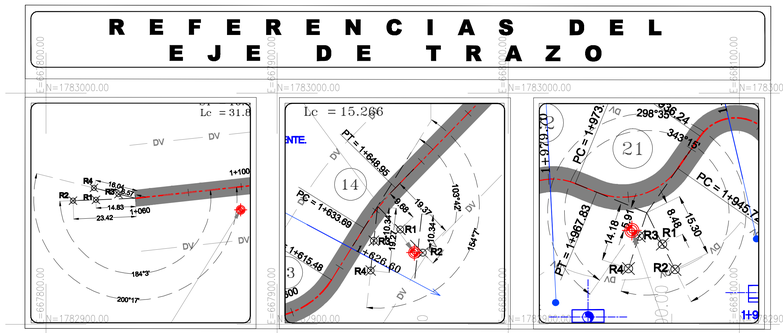
REVISÓ:

CAMINOS BIENESTAR

JEFE DE LA UNIDAD DE ESTUDIOS Y PROYECTOS	DIRECTOR DE PROYECTOS Y CONTROL DE CALIDAD	EL DIRECTOR GENERAL
Cédula Profesional 8652384 ING. JAIRO RAMIREZ REYES	Cédula Profesional 12890930 ING. ALVARO PEREZ HERNANDEZ	ING. MOISES SALAZAR MARTINEZ

2025	Escala 1:1000	Plano 1 DE 1

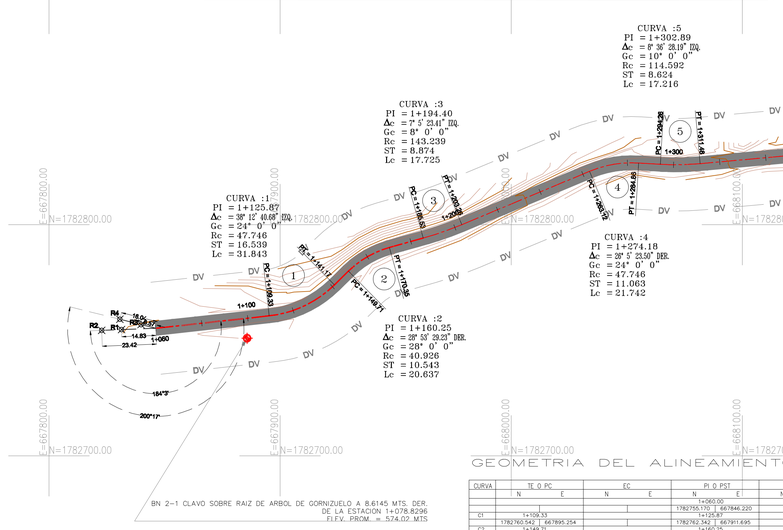
REFERENCIAS DEL EJE DE TRAZO



BN 2-1 CLAVO SOBRE RAIZ DE ARBOL DE GORNIZUELO A 8.6145 MTS. DER. DE LA ESTACION 1+078.8296
ELEV. PROM. = 574.02 MTS

COORDENADAS DEL EJE DE TRAZO

ESTACION	PUNTO OBSERVADO	SUBTANGENTE ATRAS	TANGENTE	SUBTANGENTE ADELANTE	DISTANCIA	DEFLEXIONES °	'	"	SENTIDO	RUMBO °	'	"		PROYECCIONES COSENO	SENO	+N	−S	+E	−W	COORDENADAS NORTE	ESTE
	NORTE									00°	00'	00.00"								1782755.170	667846.220
1+060.00	1+125.87	0.000	49.330	16.539	65.869	38°	12'	40.68"	IZQ.	N 63°	45'	02.50"	E	0.70842	0.71573	24.950	0.000	25.425	0.000	1782762.340	667891.698
1+125.87	1+160.25	16.539	8.540	10.543	35.622	28°	12'	40.68"	IZQ.	N 45°	32'	21.62"	E	0.70042	0.71373	24.950	0.000	25.425	0.000	1782787.290	667937.122
1+160.25	1+194.40	10.543	15.180	8.874	34.597	28°	53'	29.23"	DER.	N 74°	25'	50.85"	E	0.26840	0.96331	9.286	0.000	33.328	0.000	1782796.576	667970.450
1+194.40	1+274.18	8.874	59.860	11.063	79.797	07°	05'	23.41"	IZQ.	N 67°	20'	27.44"	E	0.38525	0.92281	30.742	0.000	73.638	0.000	1782827.318	668044.087
1+274.18	1+302.89	11.063	14.400	8.624	29.087	01°	00'	20.50"	DER.	N 66°	20'	06.94"	E	0.39917	0.91692	1.741	0.000	29.015	0.000	1782829.577	668073.122
1+302.89	1+375.98	8.624	55.640	8.854	73.118	08°	36'	28.19"	IZQ.	N 84°	49'	22.75"	E	0.09023	0.99592	6.598	0.000	72.820	0.000	1782832.175	668145.942
1+375.98	1+414.11	8.854	20.850	8.427	38.133	03°	07'	25.50"	DER.	N 87°	42'	48.25"	E	0.02856	0.99959	1.089	0.000	38.115	0.000	1782833.264	668184.037
1+414.11	1+440.82	8.427	6.561	11.900	26.882	20°	01'	09.75"	IZQ.	N 68°	20'	38.50"	E	0.36903	0.92942	9.922	0.000	24.989	0.000	1782843.186	668209.047
1+440.82	1+545.76	11.900	25.910	9.935	104.945	20°	01'	09.75"	DER.	N 70°	38'	30.25"	E	0.33120	0.94356	35.361	0.000	98.835	0.000	1782877.373	668254.007
1+545.76	1+644.35	9.935	6.301	7.662	98.594	23°	31'	55.36"	DER.	N 47°	06'	57.09"	E	0.68009	0.73315	0.000	18.477	19.918	0.000	1782808.896	668274.015
1+644.35	1+746.27	7.662	58.310	26.594	101.926	74°	32'	46.74"	DER.	N 27°	26'	10.35"	E	0.24708	0.96905	0.000	91.980	43.975	0.000	1782810.425	668301.991
1+746.27	1+783.30	26.594	13.850	10.698	37.033	16°	57'	46.74"	DER.	N 44°	33'	57.09"	E	0.70109	0.71299	0.000	26.144	26.430	0.000	1782836.569	668328.421
1+783.30	1+870.08	10.698	13.140	13.783	86.780	74°	32'	46.74"	DER.	N 82°	06'	54.00"	E	0.13922	0.99026	0.000	12.086	86.000	0.000	1782836.822	668414.421
1+870.08	1+901.99	13.783	48.980	25.020	31.768	37°	15'	32.91"	IZQ.	N 44°	15'	21.09"	E	0.71622	0.69788	22.689	0.000	22.160	0.000	1782859.511	668435.432
1+901.99	1+930.61	25.005	13.030	12.878	50.913	117°	49'	13.25"	DER.	N 89°	54'	34.24"	E	0.03810	0.99927	1.634	0.000	0.000	50.887	1782859.511	668435.432
1+930.61	1+958.83	12.878	4.020	13.132	28.033	46°	15'	03.55"	DER.	N 41°	54'	34.24"	E	0.74420	0.66796	22.348	0.000	0.000	20.059	1782871.213	668414.400
1+958.83	1+980.99	13.132	9.480	13.110	35.722	103°	09'	00.18"	IZQ.	N 34°	56'	25.58"	W	0.81975	0.57272	0.000	29.283	0.000	20.459	1782741.930	668393.941
1+980.99	2+014.28	13.110	5.580	7.580	26.270	77°	12'	43.91"	DER.	N 67°	40'	50.95"	W	0.37977	0.92508	9.976	0.000	0.000	24.202	1782751.906	668369.639
2+014.28	2+043.87	7.580	15.630	11.296	34.506	55°	46'	17.13"	IZQ.	N 56°	32'	51.95"	W	0.55124	0.83435	0.000	19.021	0.000	28.790	1782732.885	668360.849
2+043.87	2+077.44	11.296	2.920	13.161	33.377	79°	55'	03.51"	IZQ.	S 23°	22'	11.55"	E	0.91796	0.39667	0.000	30.639	13.236	0.000	1782702.246	668354.089
2+077.44	2+098.75	19.161	5.750	16.178	41.089	86°	14'	15.55"	DER.	S 62°	52'	04.00"	W	0.45605	0.88996	0.000	18.738	0.000	36.567	1782683.508	668317.521
2+098.75	2+147.61	16.178	8.400	3501.156	3523.734	53°	53'	05.46"	DER.	N 63°	12'	50.34"	W	0.45014	0.89296	1566.175	0.000	0.000	3146.546	1784269.682	665170.975
2+147.61	2+193.23	3501.156	14.600	9.739	3525.495	179°	43'	55.58"	IZQ.	S 62°	58'	45.92"	E	0.45431	0.89084	0.000	1601.649	3140.664	0.000	1782668.013	668311.640
2+147.61	2+193.23	9.739	22.890	13.061	45.690	11°	58'	46.00"	IZQ.	S 74°	57'	31.92"	E	0.26013	0.96421	0.000	12.114	44.055	0.000	1782655.899	668355.694
2+193.23	2+219.00	13.061	16.790	0.000	29.851	77°	10'	07.75"	IZQ.	N 28°	12'	20.33"	E	0.88126	0.47264	26.306	0.000	14.109	0.000	1782682.206	668369.803



GEOMETRIA DEL ALINEAMIENTO HORIZONTAL

CURVA	TE O PC N	TE O PC E	EC N	EC E	PI O PST N	PI O PST E	CE N	CE E	ET O PT N	ET O PT E
					1+060.00					
					1782755.170	667846.220				
C1	1+109.33				1+125.87				1+141.17	
	1782760.542	667895.254			1782762.342	667911.695			1782773.926	667923.499
C2	1+148.39				1+160.25				1+170.35	
	1782779.909	667929.595			1782787.293	667937.120			1782790.123	667947.276
C3	1+185.53				1+194.40				1+203.26	
	1782794.198	667961.903			1782796.580	667970.451			1782799.999	667978.640
C4	1+263.12				1+274.18				1+284.86	
	1782823.061	668033.885			1782827.323	668044.093			1782826.661	668055.136
C5	1+294.26				1+302.89				1+311.48	
	1782826.099	668064.521			1782825.583	668073.129			1782826.361	668081.718
C6	1+367.12				1+375.98				1+384.83	
	1782831.382	668137.136			1782832.181	668145.953			1782832.434	668154.804
C7	1+405.68				1+414.11				1+422.37	
	1782833.029	668175.653			1782833.270	668184.077			1782836.380	668191.909
C8	1+426.93				1+440.83				1+451.70	
	1782838.800	668198.005			1782841.592	668209.065			1782839.250	668220.294
C9	1+477.81				1+487.54				1+497.20	
	1782830.671	668244.736			1782827.381	668258.110			1782820.624	668261.394
C10	1+503.50				1+514.43				1+524.21	
	1782816.336	668266.016			1782808.900	668278.032			1782809.415	668284.954
C11	1+537.66				1+545.76				1+553.75	
	1782810.048	668298.392			1782810.429	668306.681			1782813.037	668314.148
C12	1+574.42				1+582.23				1+589.99	
	1782819.695	668333.718			1782823.221	668341.113			1782823.282	668348.850
C13	1+594.61				1+605.76				1+615.48	
	1782823.916	668353.426			1782825.446	668364.470			1782834.897	668370.386
C14	1+633.69				1+641.35				1+646.95	
	1782850.333	668380.048			1782856.828	668384.114			1782862.315	668389.461
C15	1+688.26				1+714.86				1+722.72	
	1782890.470	668416.895			1782909.517	668435.454			1782884.864	668445.426
C16	1+735.57				1+746.27				1+756.37	
	1782872.951	668450.244			1782863.034	668454.255			1782852.542	668452.169
C17	1+769.51				1+783.30				1+796.10	
	1782839.645	668449.605			1782826.127	668446.917			1782813.736	668452.955
C18	1+845.08				1+870.08				1+876.08	
	1782769.714	668474.408			1782747.236	668485.362			1782748.539	668460.370
C19	1+888.11				1+901.99				1+913.46	
	1782748.457	668447.342			1782748.870	668434.471			1782758.454	668425.868
C20	1+917.48				1+930.61				1+936.24	
	1782761.448	668423.181			1782771.221	668414.410			1782760.456	668406.889
C21	1+945.72				1+958.83				1+967.83	
	1782752.683	668401.458			1782741.936	668393.950			1782746.915	668381.822
C22	1+973.41				1+980.99				1+987.35	
	1782749.034	668376.659			1782751.912	668369.647			1782747.734	668363.323
C23	2+002.98				2+014.28				2+021.79	
	1782739.115	668350.278			1782732.889	668340.854			1782722.520	668345.335
C24	2+024.71				2+043.87				2+055.51	
	1782719.837	668346.494			1782702.247	668354.095			1782693.509	668337.042
C25	2+061.26				2+077.44				2+091.19	
	1782690.888	668331.928			1782683.510	668317.530			1782690.793	668303.083
C26	2+097.59				5+598.75				2+123.27	
	1782693.674	668297.368			1784269.750	665170.841			1782679.073	668289.965
C27	2+137.87				2+147.61				2+157.28	
	1782672.440	668302.971			1782668.016	668317.647			1782665.434	668321.037
C28	2+167.17				2+193.23				2+202.21	
	1782659.366	668343.103			1782655.904	668355.897			1782667.414	668361.870
					2+219.00					
	1782652.210	668369.820			1782682.210	668369.820				

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