

DATOS DE PROYECTO

CAMINO TIPO "ARTESANAL"

VELOCIDAD DE PROYECTO  
30 km/h

ANCHO DE CORONA  
5.00 m.

ANCHO DE CALZADA  
5.00 m.

CURVATURA MÁXIMA  
40°00'00"

PENDIENTE MÁXIMA  
20.80 %

PENDIENTE GOBERNADORA  
9.80 %

SECCION TIPO

SECCION TIPO

SIMBOLOGIA

BANCOS DE NIVEL

CERCO DE PUJAS O MALLA

OBRERA DE DRENAJE

NUMERO DE CURVA

KILOMETRAJE

POSTE DE C.F.E.

TIRANTE (ARREMETIDA DE POSTE)

DERECHO DE VIA

ORILLA DE CAMINO EXISTENTE

CURVA DE NIVEL ORDINARIA

CURVA DE NIVEL MAESTRA A CADA 5 MTS

Camino: CONSTRUCCIÓN DE LA CARRETERA SIN NOMBRE CON CONCRETO HIDRAULICO DEL E.C. (SAN JOSÉ INDEPENDENCIA - CERRO CHAPULTEPEC) - PUERTO BUENA VISTA, TRAMO DEL KM 0+000 AL KM 3+700, SUBTRAMO DEL KM 0+000 AL KM 1+100, EN EL MUNICIPIO DE SAN JOSÉ INDEPENDENCIA.

**PLANTA TOPOGRAFICA DEL KM. 0+000.00 AL KM. 1+100.00**

PROYECTO:

DIRECCION DE PROYECTOS Y CONTROL DE CALIDAD

REVISÓ:

JEFE DE LA UNIDAD DE ESTUDIOS Y PROYECTOS

DIRECTOR DE PROYECTOS Y CONTROL DE CALIDAD

EL DIRECTOR GENERAL

Cédula Profesional 9832384  
ING. JAIRO RAMÍREZ REYES

Cédula Profesional 12809030  
ING. ALVARO PÉREZ HERNÁNDEZ

ING. MOISES BALAZAR MARTÍNEZ

2025

Escala 1:1,000

Plano 1 DE 1

GEOMETRIA DEL ALINEAMIENTO HORIZONTAL

CURVA	TE O PC			EC			PI O PST			CE			ET O PT		
	N	E		N	E		N	E		N	E		N	E	
C1	0+1208.28						201718.669	749675.993					201718.669	749675.993	
C2	2017683.641	749665.989					2017684.176	749662.362					2017675.710	749657.759	
C3	2017686.426	749663.781					2017683.478	749664.094					2017630.949	749644.851	
C4	2017630.949	749666.889					2017630.949	749666.889					2017630.949	749666.889	
C5	2017442.660	749666.349					2017442.660	749666.349					2017442.660	749666.349	
C6	2017442.660	749746.265					2017442.660	749746.265					2017442.660	749746.265	
C7	2017543.541	749746.270					2017543.541	749746.270					2017543.541	749746.270	
C8	2017543.541	749746.270					2017543.541	749746.270					2017543.541	749746.270	
C9	2017543.541	749805.153					2017543.541	749805.153					2017543.541	749805.153	
C10	2017507.719	749830.072					2017507.719	749830.072					2017507.719	749830.072	
C11	2017442.660	749832.280					2017442.660	749832.280					2017442.660	749832.280	
C12	2017388.972	749851.284					2017388.972	749851.284					2017388.972	749851.284	
C13	2017388.972	749851.284					2017388.972	749851.284					2017388.972	749851.284	
C14	2017308.677	749880.617					2017308.677	749880.617					2017308.677	749880.617	
C15	2017285.060	749921.163					2017285.060	749921.163					2017285.060	749921.163	
C16	2017221.679	749981.555					2017221.679	749981.555					2017221.679	749981.555	
C17	2017192.263	750011.182					2017192.263	750011.182					2017192.263	750011.182	
C18	2017176.386	750033.461					2017176.386	750033.461					2017176.386	750033.461	
C19	2017150.981	750036.967					2017150.981	750036.967					2017150.981	750036.967	
C20	2017047.705	750022.751					2017047.705	750022.751					2017047.705	750022.751	
C21	2016993.197	750000.153					2016993.197	750000.153					2016993.197	750000.153	
C22	2016947.674	749987.548					2016947.674	749987.548					2016947.674	749987.548	
C23	2016905.844	749983.841					2016905.844	749983.841					2016905.844	749983.841	

COORDENADAS DEL EJE DE TRAZO

ESTACION	PUNTO OBSERVADO	SUBTANGENTE ATRAS	TANGENTE ADELANTE	DISTANCIA	DEFLEXIONES		RUMBO	COSENO	SENO	PROYECCIONES				COORDENADAS				
					+	-				SENTO	+N	-S	+E	-W	NORTE	ESTE		
0+000.00	NORTE	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+1208.28	0+1208.28	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+2416.56	0+2416.56	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+3624.84	0+3624.84	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+4833.12	0+4833.12	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+6041.40	0+6041.40	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+7249.68	0+7249.68	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+8457.96	0+8457.96	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+9666.24	0+9666.24	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+10874.52	0+10874.52	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+1208.28	0+1208.28	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+1329.11	0+1329.11	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+1449.94	0+1449.94	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+1570.77	0+1570.77	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+1691.60	0+1691.60	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+1812.43	0+1812.43	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+1933.26	0+1933.26	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+2054.09	0+2054.09	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+2174.92	0+2174.92	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+2295.75	0+2295.75	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+2416.56	0+2416.56	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+2537.39	0+2537.39	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+2658.22	0+2658.22	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+2779.05	0+2779.05	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+2899.88	0+2899.88	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+3020.71	0+3020.71	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+3141.54	0+3141.54	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+3262.37	0+3262.37	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+3383.20	0+3383.20	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+3504.03	0+3504.03	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+3624.84	0+3624.84	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+3745.67	0+3745.67	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+3866.50	0+3866.50	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+3987.33	0+3987.33	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+4108.16	0+4108.16	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+4228.99	0+4228.99	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+4349.82	0+4349.82	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+4470.65	0+4470.65	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+4591.48	0+4591.48	0.000	9.871	36.217	1°	00'	40.59° DER	S	17°	43'	60.00°	-W	0.95248	0.30459	0.000	11.031	201718.669	749675.993
0+4712.31	0+4712.31	0.000																