

CUADRO DE CONSTRUCCIÓN						
LADO		RUMBO	DISTANCIA	V	COORDENADAS	
EST	PV				Y	X
				1	2,281,359.9254	659,100.2428
1	2	N 11°51'54.89" E	11.357	2	2,281,371.0395	659,102.5779
2	3	S 78°08'43.81" E	0.500	3	2,281,370.9368	659,103.0673
3	4	S 33°09'46.82" E	3.534	4	2,281,367.9781	659,105.0007
4	5	S 78°10'49.82" E	1.686	5	2,281,367.6328	659,106.6506
5	7	N 56°33'41.13" E CENTRO DE CURVA DELTA = 90°30'58.09" RADIO = 2.000	2.841 LONG. CURVA = 3.160 SUB.TAN.= 2.018	7 6	2,281,369.1984 2,281,369.5904	659,109.0215 659,107.0603
7	8	N 11°18'12.09" E	4.850	8	2,281,373.9540	659,109.9720
8	9	S 79°01'51.22" E	13.520	9	2,281,371.3813	659,123.2455
9	10	S 10°58'08.78" W	5.169	10	2,281,366.3068	659,122.2619
10	12	S 33°39'19.33" E CENTRO DE CURVA DELTA = 89°14'56.22" RADIO = 1.800	2.529 LONG. CURVA = 2.804 SUB.TAN.= 1.777	12 11	2,281,364.2019 2,281,365.9643	659,123.6634 659,124.0291
12	13	S 78°16'47.44" E	123.314	13	2,281,339.1529	659,244.4065
13	14	S 78°23'30.60" E	8.859	14	2,281,337.3702	659,253.0847
14	16	S 79°07'10.20" E CENTRO DE CURVA DELTA = 01°27'19.20" RADIO = 96.600	2.454 LONG. CURVA = 2.454 SUB.TAN.= 1.227	16 15	2,281,336.9071 2,281,431.9943	659,255.4942 659,272.5223
16	17	S 79°50'50.00" E	43.165	17	2,281,329.2983	659,297.9830
17	18	S 80°22'44.90" E	70.850	18	2,281,317.4573	659,367.8361
18	20	N 54°00'16.44" E CENTRO DE CURVA DELTA = 91°13'57.33" RADIO = 1.800	2.573 LONG. CURVA = 2.866 SUB.TAN.= 1.839	20 19	2,281,318.9694 2,281,319.2320	659,369.9177 659,368.1369
20	21	N 08°23'17.77" E	4.578	21	2,281,323.4988	659,370.5856
21	22	S 80°08'10.15" E	8.622	22	2,281,322.0218	659,379.0801
22	23	S 08°09'39.65" W	4.839	23	2,281,317.2320	659,378.3932
23	25	S 35°17'09.72" E CENTRO DE CURVA DELTA = 86°53'38.75" RADIO = 2.000	2.751 LONG. CURVA = 3.033 SUB.TAN.= 1.894	25 24	2,281,314.9866 2,281,316.9481	659,379.9822 659,380.3729
25	26	S 78°43'59.09" E	87.260	26	2,281,297.9377	659,465.5609
26	28	N 56°23'25.16" E CENTRO DE CURVA DELTA = 89°45'11.48" RADIO = 2.500	3.528 LONG. CURVA = 3.916 SUB.TAN.= 2.489	28 27	2,281,299.8905 2,281,300.3895	659,468.4990 659,466.0494
28	29	N 11°30'49.42" E	4.901	29	2,281,304.6925	659,469.4772
29	30	S 78°19'34.48" E	6.793	30	2,281,303.3181	659,476.1293
30	31	S 11°57'15.10" W	7.031	31	2,281,296.4396	659,474.6730
31	33	S 32°41'56.85" E CENTRO DE CURVA DELTA = 89°18'23.91" RADIO = 0.200	0.281 LONG. CURVA = 0.312 SUB.TAN.= 0.198	33 32	2,281,296.2030 2,281,296.3981	659,474.8248 659,474.8686
33	34	S 77°21'08.81" E	1.585	34	2,281,295.8560	659,476.3712
34	36	N 57°14'42.81" E CENTRO DE CURVA DELTA = 90°48'16.77" RADIO = 0.200	0.285 LONG. CURVA = 0.317 SUB.TAN.= 0.203	36 35	2,281,296.0101 2,281,296.0511	659,476.6107 659,476.4150
36	37	N 11°50'34.42" E	7.062	37	2,281,302.9222	659,478.0601
37	38	S 78°20'20.01" E	6.881	38	2,281,301.5314	659,484.7991
38	39	S 11°29'09.07" W	5.047	39	2,281,296.5856	659,483.7941
39	41	S 32°52'00.10" E CENTRO DE CURVA DELTA = 88°42'18.34" RADIO = 2.500	3.495 LONG. CURVA = 3.870 SUB.TAN.= 2.444	41 40	2,281,293.6497 2,281,296.0878	659,485.6910 659,486.2441
41	42	S 77°13'09.27" E	63.366	42	2,281,279.6318	659,547.4872
42	44	N 85°52'05.27" E CENTRO DE CURVA DELTA = 33°49'30.93" RADIO = 5.000	2.909 LONG. CURVA = 2.952 SUB.TAN.= 1.520	44 43	2,281,279.8414 2,281,284.5079	659,550.3888 659,548.5933
44	45	S 53°23'19.89" W	15.567	45	2,281,270.5577	659,537.8934

CUADRO DE CONSTRUCCIÓN						
LADO		RUMBO	DISTANCIA	V	COORDENADAS	
EST	PV				Y	X
44	45	S 53°23'19.89" W	15.567	45	2,281,270.5577	659,537.8934
45	47	N 11°54'54.69" W CENTRO DE CURVA DELTA = 130°36'29.16" RADIO = 1.800	3.271 LONG. CURVA = 4.103 SUB.TAN.= 3.914	47 46	2,281,273.7580 2,281,272.0026	659,537.2181 659,536.8199
47	48	N 77°13'09.27" W	60.216	48	2,281,287.0790	659,478.4942
48	50	N 77°58'34.18" W CENTRO DE CURVA DELTA = 01°30'49.82" RADIO = 351.000	9.274 LONG. CURVA = 9.274 SUB.TAN.= 4.637	50 49	2,281,289.0109 2,280,944.7755	659,469.4240 659,400.8456
50	51	N 78°43'59.09" W	100.012	51	2,281,308.5513	659,371.3390
51	53	N 79°22'51.06" W CENTRO DE CURVA DELTA = 01°17'40.01" RADIO = 496.837	11.224 LONG. CURVA = 11.225 SUB.TAN.= 5.613	53 52	2,281,310.6198 2,280,821.2888	659,360.3068 659,274.2717
53	54	N 79°18'55.24" W	64.643	54	2,281,322.6048	659,296.7843
54	55	N 79°50'50.38" W	45.528	55	2,281,330.6301	659,251.9694
55	57	S 57°14'53.09" W CENTRO DE CURVA DELTA = 85°48'33.06" RADIO = 1.200	1.634 LONG. CURVA = 1.797 SUB.TAN.= 1.115	57 56	2,281,329.7462 2,281,329.4489	659,250.5953 659,251.7578
57	58	S 14°20'36.56" W	1.563	58	2,281,328.2316	659,250.2080
58	59	S 30°29'36.36" E	1.470	59	2,281,326.9652	659,250.9537
59	60	S 14°27'44.80" W	2.002	60	2,281,325.0268	659,250.4538
60	61	N 75°28'28.81" W	9.305	61	2,281,327.3606	659,241.4459
61	62	N 14°03'21.57" E	1.541	62	2,281,328.8555	659,241.8201
62	63	N 59°12'50.60" E	2.099	63	2,281,329.9298	659,243.6234
63	64	N 14°20'36.56" E	1.136	64	2,281,331.0305	659,243.9049
64	66	N 31°58'05.44" W CENTRO DE CURVA DELTA = 92°37'24.01" RADIO = 1.200	1.735 LONG. CURVA = 1.940 SUB.TAN.= 1.256	66 65	2,281,332.5028 2,281,331.3278	659,242.9860 659,242.7423
66	67	N 78°16'47.44" W	104.092	67	2,281,353.6472	659,141.0643
67	68	N 84°26'05.69" W	19.812	68	2,281,355.5684	659,121.3459
68	70	S 53°27'15.55" W CENTRO DE CURVA DELTA = 84°13'17.52" RADIO = 1.000	1.341 LONG. CURVA = 1.470 SUB.TAN.= 0.904	70 69	2,281,354.7698 2,281,354.5731	659,120.2685 659,121.2489
70	71	S 11°20'36.79" W	1.948	71	2,281,352.8598	659,119.8853
71	72	N 77°34'36.89" W	6.643	72	2,281,354.2888	659,113.3983
72	73	N 12°14'17.36" E	1.815	73	2,281,356.0627	659,113.7831
73	75	N 32°58'16.23" W CENTRO DE CURVA DELTA = 90°25'7.18" RADIO = 1.000	1.419 LONG. CURVA = 1.578 SUB.TAN.= 1.007	75 74	2,281,357.2535 2,281,356.2747	659,113.0106 659,112.8058
75	1	N 78°10'49.82" W	13.044	1	2,281,359.9254	659,100.2428
SUPERFICIE = 3,740.496 m2						

CUADRO DE CONSTRUCCIÓN DE EJE						
LADO		RUMBO	DISTANCIA	V	COORDENADAS	
EST	PV				X	Y
PST=0+000.00	PI=0+020.88	S 78°10'49.82" E	20.881	PST=0+000.00	659,101.0653	2,281,363.8399
PI=0+020.88	PI=0+041.16	S 82°45'00.72" E D = 4°34'10.89" lzq	20.284	PI=0+020.88	659,121.5031	2,281,359.5630
PI=0+041.16	PI=0+145.43	S 78°16'47.44" E D = 4°28'13.27" der	104.268	PI=0+041.16	659,141.6250	2,281,357.0032
PI=0+145.43	PST=0+452.89	S 78°47'06.60" E D = 0°30'19.16" lzq	307.416	PI=0+145.43	659,243.7191	2,281,335.8231
LONGITUD = 452.894m						

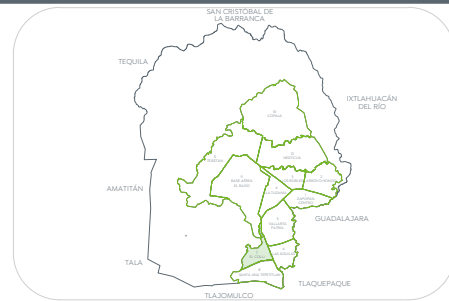
CUADRO DE CURVAS HORIZONTALES							
CURVA	DELTA	RADIO	ARCO	STAN	CUERDA	ÁREA BAJO CUERDA	RUMBO CUERDA
CH1	01°27'19.20"	100.000	2.540	1.270	2.540	0.014	N 79°07'10.20" W
CH2	01°17'37.41"	500.839	11.309	5.655	11.309	0.241	S 79°22'49.75" E
CH3	01°30'49.82"	355.000	9.380	4.690	9.379	0.194	S 77°58'34.18" E

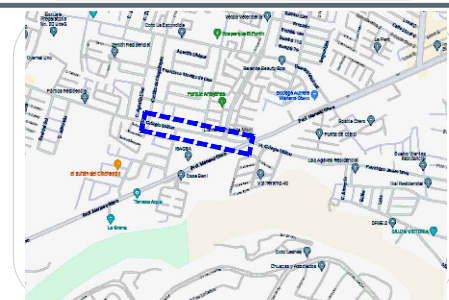
CUADRO DE CURVAS VERTICALES							
CURVA	DELTA	RADIO	ARCO	STAN	CUERDA	AREA BAJO CUERDA	RUMBO CUERDA
CV1	00°6'6.77"	5,624.449	10.001	5.001	10.001	0.015	S 89°07'31.87" E
CV2	00°6'6.75"	5,624.934	10.001	5.001	10.001	0.015	S 89°01'25.11" E
CV3	00°6'6.73"	5,625.473	10.002	5.001	10.002	0.015	S 88°55'18.37" E
CV4	00°6'6.70"	5,626.065	10.002	5.001	10.002	0.015	S 88°49'11.66" E
CV5	00°10'1.37"	3,430.622	10.002	5.001	10.002	0.024	N 88°49'40.68" W
CV6	00°10'1.44"	3,430.052	10.002	5.001	10.002	0.024	N 88°59'42.09" W
CV7	00°10'1.50"	3,429.570	10.001	5.001	10.001	0.024	N 89°09'43.55" W
CV8	00°10'1.54"	3,429.174	10.001	5.000	10.001	0.024	N 89°19'45.07" W





Obras Públicas
e Infraestructura
Gestión Integral de la Ciudad

Macrolocalización:

Microlocalización:

Alcances generales:

Nombre del proyecto:
Pavimentación con concreto hidráulico de la calle H. Colegio Militar, incluye: modernización de redes básicas de alcantarillado, conducción y distribución, infraestructura urbana y obras complementarias, colonias el Fortín, Puerta del Bosque, Municipio de Zapopan, Jalisco

Contenido del plano:
Cuadros de construcción

No. Contrato:
DOPI-MUN-R33-PAV-LP-028-2024

Director de Obras Públicas e Infraestructura:
Ing. Ismael Jáuregui Castañeda

Jefe de la Unidad de Estudios y Proyectos:
Arq. Edwin Aguilar Escatel

Responsable del proyecto:
Arq. Luis Antonio Brena García

Ubicación:
El Fortín, municipio de Zapopan, Jalisco

Fecha: marzo 2024
Escala: Indicada
Acotaciones: Metros

Clave: GEO-05