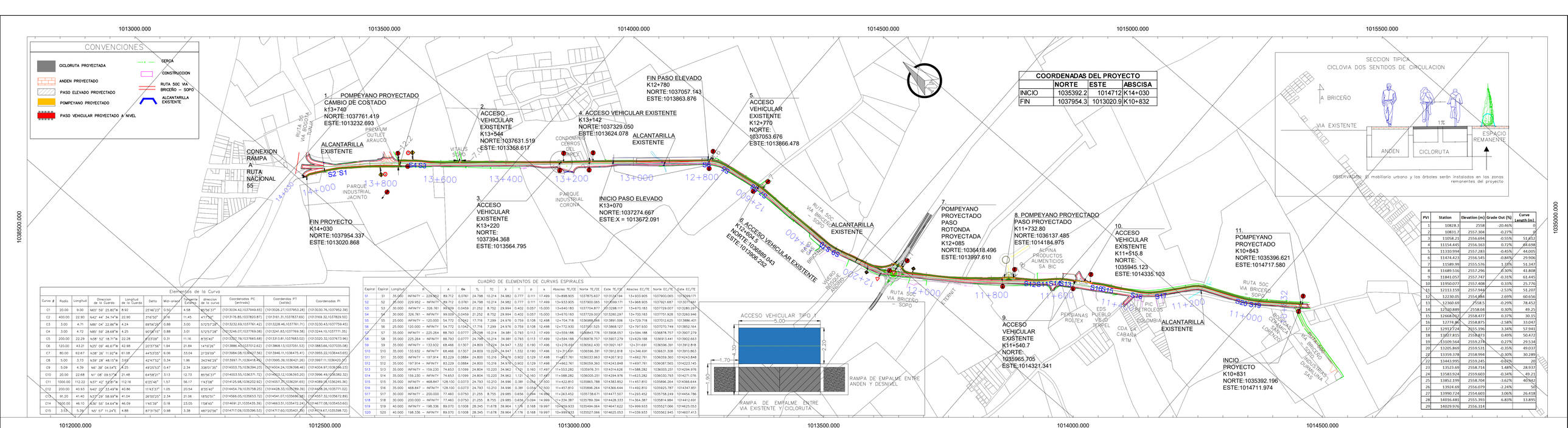


COORDENADAS DEL PROYECTO

	NORTE	ESTE	ABSCISA
INICIO	1035392.2	1014712	K14+030
FIN	1037954.3	1013020.9	K10+832

Elementos de la Curva

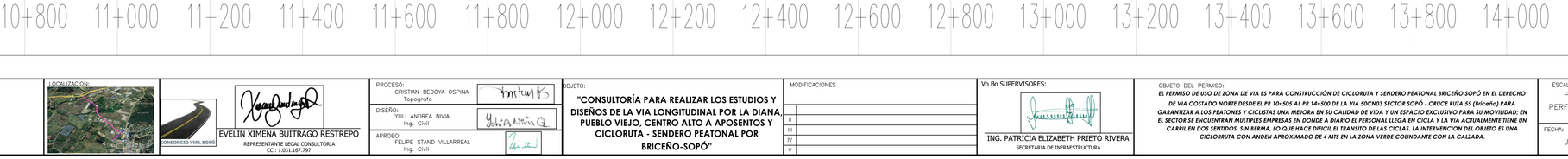
Curvo #	Radio	Longitud	Direccion de la Cuerda	Longitud de la Cuerda	Delta	Mid-ordenada	Tangente Externa	direccion de la curva	Coordenadas PC (entrada)	Coordenadas PT (salida)	Coordenadas PI
C1	20.00	9.00	N65° 59' 25.80"W	8.92	25°46'23"	0.50	4.58	89°56'37"	(1013034.42,1037949.65)	(1013026.27,1037953.28)	(1013030.76,1037952.39)
C2	400.00	22.90	N42° 44' 34.74"W	22.90	3°16'50"	0.16	11.45	41°7'50"	(1013176.85,1037820.87)	(1013161.31,1037837.69)	(1013169.32,1037829.50)
C3	3.00	4.71	N85° 04' 22.86"W	4.24	89°56'39"	0.88	3.00	57°25'728"	(1013232.69,1037761.42)	(1013228.46,1037761.71)	(1013230.43,1037759.45)
C4	3.00	4.72	N85° 55' 28.68"W	4.25	90°04'11"	0.88	3.01	57°25'728"	(1013246.07,1037769.58)	(1013241.83,1037769.38)	(1013244.10,1037771.35)
C5	200.00	22.29	N38° 52' 18.71"W	22.28	6°23'09"	0.31	11.16	8°35'40"	(1013332.79,1037665.68)	(1013331.81,1037683.02)	(1013330.32,1037673.96)
C6	120.00	43.21	N25° 09' 46.67"W	42.98	20°37'56"	1.94	21.84	14°19'26"	(1013886.40,1037012.62)	(1013868.13,1037051.53)	(1013883.66,1037035.08)
C7	80.00	62.67	N38° 26' 11.92"W	61.08	44°53'05"	6.06	33.04	21°29'09"	(1013984.08,1038427.56)	(1013946.11,1038475.41)	(1013955.22,1038443.65)
C8	5.00	3.73	N39° 28' 48.15"W	3.65	42°47'52"	0.34	1.96	34°36'29"	(1013997.71,1038418.35)	(1013995.39,1038421.26)	(1013997.11,1038420.20)
C9	5.09	4.39	N6° 38' 04.54"E	4.25	49°25'53"	0.47	2.34	33°01'35"	(1014003.75,1036394.23)	(1014004.24,1036398.48)	(1014004.97,1036396.23)
C10	20.00	22.68	N1° 08' 09.57"W	21.48	64°58'21"	3.13	12.73	85°56'37"	(1014003.55,1036371.72)	(1014003.12,1036393.20)	(1013996.98,1036382.32)
C11	1000.00	112.22	N37° 42' 59.81"W	112.16	6°25'46"	1.57	56.17	1°43'48"	(1014125.98,1036202.92)	(1014057.70,1036269.65)	(1014089.26,1036245.36)
C12	200.00	40.93	N40° 22' 33.49"W	40.86	11°43'37"	1.05	20.54	8°35'40"	(1014454.79,1035758.25)	(1014428.33,1035789.39)	(1014455.26,1035771.02)
C13	91.20	41.40	N37° 29' 58.99"W	41.04	26°00'25"	2.34	21.06	18°50'51"	(1014566.05,1035653.72)	(1014541.07,1035668.38)	(1014557.32,1035672.89)
C14	500.00	46.10	N56° 55' 54.64"W	46.09	1°45'39"	0.18	23.05	1°08'45"	(1014691.21,1035435.39)	(1014663.51,1035472.24)	(1014677.08,1035453.60)
C15	3.53	5.39	N5° 57' 11.24"E	4.88	87°31'06"	0.98	3.38	48°20'56"	(1014717.09,1035396.53)	(1014717.60,1035401.39)	(1014717.67,1035398.72)

CUADRO DE ELEMENTOS DE CURVAS ESPIRALES

Espiral	Espiral	Longitud	R	A	Ge	Ts	Tc	X	Y	θ	k	Abscisa TE/CE	Norte TE/CE	Este TE/CE	Abscisa EC/TE	Norte EC/TE	Este EC/TE
S1	S1	35.000	INFINITY – 229.902	89.712	0.0761	24.798	10.214	34.982	0.777	0.111	17.499	13+898.905	1037875.607	1013124.194	13+933.905	1037900.065	1013099.171
S2	S2	35.000	229.952 – INFINITY	89.712	0.0761	24.798	10.214	34.982	0.777	0.111	17.499	13+933.905	1037900.065	1013099.171	13+968.905	1037921.687	1013077.661
S3	S3	30.000	INFINITY – 326.781	99.009	0.0459	21.252	8.752	29.994	0.402	0.057	15.000	13+640.183	1037704.877	1013298.117	13+670.183	1037729.007	1013280.297
S4	S4	30.000	326.781 – INFINITY	99.009	0.0459	21.252	8.752	29.994	0.402	0.057	15.000	13+670.183	1037729.007	1013280.297	13+700.183	1037751.928	1013260.946
S5	S5	25.000	INFINITY – 120.000	54.772	0.1042	17.716	7.299	24.976	0.759	0.108	12.498	12+704.718	1036988.666	1013891.006	12+729.718	1037012.625	1013886.401
S6	S6	25.000	120.000 – INFINITY	54.772	0.1042	17.716	7.299	24.976	0.759	0.108	12.498	12+772.930	1037051.525	1013868.127	12+797.930	1037070.749	1013852.164
S7	S7	35.000	INFINITY – 225.264	88.793	0.0777	24.798	10.214	34.981	0.783	0.113	17.499	12+559.188	1036843.776	1013908.057	12+594.188	1036878.757	1013907.279
S8	S8	35.000	225.264 – INFINITY	88.793	0.0777	24.798	10.214	34.981	0.783	0.113	17.499	12+594.188	1036878.757	1013907.279	12+629.188	1036913.441	1013902.653
S9	S9	35.000	INFINITY – 133.932	68.466	0.1307	24.809	10.224	34.947	1.332	0.190	17.496	12+276.693	1036562.430	1013921.167	12+311.691	1036596.391	1013912.818
S10	S10	35.000	133.932 – INFINITY	68.466	0.1307	24.809	10.224	34.947	1.332	0.190	17.496	12+311.691	1036596.391	1013912.818	12+346.691	1036631.308	1013910.863
S11	S11	35.000	INFINITY – 197.814	83.229	0.0884	24.800	10.216	34.978	0.902	0.129	17.498	11+627.761	1036033.863	1014207.312	11+662.761	1036059.360	1014243.848
S12	S12	35.000	197.914 – INFINITY	83.229	0.0884	24.800	10.216	34.978	0.902	0.129	17.498	11+662.761	1036059.360	1014243.848	11+697.761	1036087.565	1014223.145
S13	S13	35.000	INFINITY – 159.230	74.653	0.1099	24.804	10.220	34.962	1.121	0.160	17.497	11+553.282	1035976.311	1014314.626	11+588.282	1036005.251	1014294.976
S14	S14	35.000	159.230 – INFINITY	74.653	0.1099	24.804	10.220	34.962	1.121	0.160	17.497	11+588.282	1036005.251	1014294.976	11+623.282	1036030.793	1014271.076
S15	S15	35.000	INFINITY – 468.847	128.100	0.0373	24.793	10.210	34.996	0.381	0.054	17.500	11+422.810	1035865.788	1014383.852	11+457.810	1035898.264	1014366.644
S16	S16	35.000	468.847 – INFINITY	128.100	0.0373	24.793	10.210	34.996	0.381	0.054	17.500	11+457.810	1035896.264	1014366.644	11+492.810	1035925.787	1014347.851
S17	S17	30.000	INFINITY – 200.000	77.460	0.0750	21.255	8.755	29.985	0.656	0.094	14.998	11+263.452	1035738.671	1014477.507	11+293.452	1035758.249	1014454.786
S18	S18	30.000	200.000 – INFINITY	77.460	0.0750	21.255	8.755	29.985	0.656	0.094	14.999	11+334.387	1035789.394	1014428.333	11+364.387	1035814.984	1014412.691
S19	S19	40.000	INFINITY – 198.336	89.070	0.1008	28.345	11.678	39.964	1.176	0.168	19.997	10+959.933	1035494.064	1014647.622	10+999.933	1035527.066	1014625.053
S20	S20	40.000	198.336 – INFINITY	89.070	0.1008	28.345	11.678	39.964	1.176	0.168	19.997	10+999.933	1035527.066	1014625.053	11+039.933	1035562.945	1014607.413

PVI	Station	Elevation (m)	Grade Out (%)	Curve Length (m)
1	10828.3	2558	-20.66%	0
2	10831.7	2557.304	-0.27%	0
3	11058.21	2556.694	-0.55%	51.812
4	11154.445	2556.163	0.72%	49.698
5	11310.994	2557.283	-0.45%	44.005
6	11474.423	2556.545	-0.84%	29.906
7	11589.99	2555.576	1.28%	51.347
8	11689.516	2557.296	-0.30%	41.808
9	11841.057	2557.747	-0.31%	61.445
10	11950.077	2557.408	0.33%	25.776
11	12113.159	2557.945	-2.53%	51.207
12	12230.05	2554.964	2.69%	60.656
13	12360.69	2558.5	-0.29%	78.452
14	12760.889	2558.04	0.30%	49.25
15	12668.047	2558.477	0.37%	30.15
16	12774.96	2558.875	-2.58%	33.047
17	12917.724	2555.196	3.34%	57.941
18	13007.815	2558.873	0.49%	50.472
19	13109.564	2559.278	0.27%	29.534
20	13205.860	2559.53	-0.35%	49.037
21	13359.378	2558.994	-0.30%	30.289
22	13443.995	2559.245	-0.02%	20
23	13523.69	2558.714	1.48%	28.937
24	13583.926	2559.603	-0.34%	49.21
25	13852.199	2558.704	-3.62%	40.442
26	13924.69	2556.079	-2.24%	50
27	13990.724	2554.603	3.06%	26.418
28	14016.481	2555.393	6.83%	13.895
29	14029.976	2556.314		

DIAGRAMA DE PERFIL
RASANTE
TERRENO NATURAL
TERRENO BORDE DERECHON 3m
TERRENO BORDE IZQUIERDO 3m



PERFIL LONGITUDINAL

DIAGRAMA DE PERFIL
RASANTE
TERRENO NATURAL
TERRENO BORDE DERECHO 3m
TERRENO BORDE IZQUIERDO 3m

LOCALIZACION:

CONSORCIO VIAL SOPÓ

EVELIN XIMENA BUITRAGO RESTREPO
REPRESENTANTE LEGAL CONSULTORIA
CC : 1.031.167.797

PROCESÓ: CRISTIAN BEDOYA OSPINA, Topografo
DISEÑO: YULI ANDREA NIVIA, Ing. Civil
APROBÓ: FELIPE STAND VILLARREAL, Ing. Civil

OBJETO:
"CONSULTORÍA PARA REALIZAR LOS ESTUDIOS Y DISEÑOS DE LA VIA LONGITUDINAL POR LA DIANA, PUEBLO VIEJO, CENTRO ALTO A APOSENTOS Y CICLORUTA - SENDERO PEATONAL POR BRICEÑO-SOPÓ"

MODIFICACIONES
I
II
III
IV
V

Vo Bo SUPERVISORES:
ING. PATRICIA ELIZABETH PRIETO RIVERA
SECRETARIA DE INFRAESTRUCTURA

OBJETO DEL PERMISO:
EL PERMISO DE USO DE ZONA DE VIA ES PARA CONSTRUCCIÓN DE CICLORUTA Y SENDERO PEATONAL BRICEÑO SOPÓ EN EL DERECHO DE VIA COSTADO NORTE DESDE EL PR 10+505 AL PR 14+500 DE LA VIA 50CN03 SECTOR SOPÓ - CRUCE RUTA 55 (Briceño) PARA GARANTIZAR A LOS PEATONES Y CICLISTAS UNA MEJORA EN SU CALIDAD DE VIDA Y UN ESPACIO EXCLUSIVO PARA SU MOVILIDAD; EN EL SECTOR SE ENCUENTRAN MULTIPLES EMPRESAS EN DONDE A DIARIO EL PERSONAL LLEGA EN CICLA Y LA VIA ACTUALMENTE TIENE UN CARRIL EN DOS SENTIDOS, SIN BERMA, LO QUE HACE DIFICIL EL TRANSITO DE LAS CICLAS. LA INTERVENCION DEL OBJETO ES UNA CICLORUTA CON ANDEN APROXIMADO DE 4 MTS EN LA ZONA VERDE COLINDANTE CON LA CALZADA.

ESCALA:
PLANTA 1:5000
PERFIL H 1:2000
V 1:200

FECHA: JUNIO 2021

ARCHIVO: REDUCIDO CICLOVIA RUTA 50 SOPO–BRICEÑO V4.DWG

PLANTA PERFIL GENERAL REDUCIDO

PLANO 1 DE 30