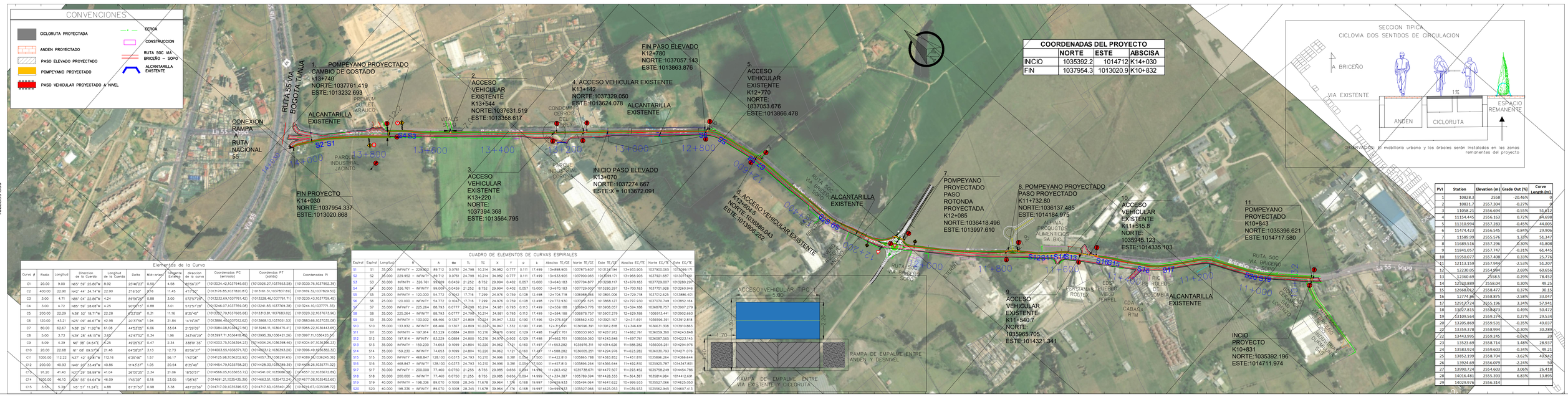


COORDENADAS DEL PROYECTO			
	NORTE	ESTE	ABSCISA
INICIO	1035392.2	1014712	K14+030
FIN	1037954.3	1013020.9	K10+832

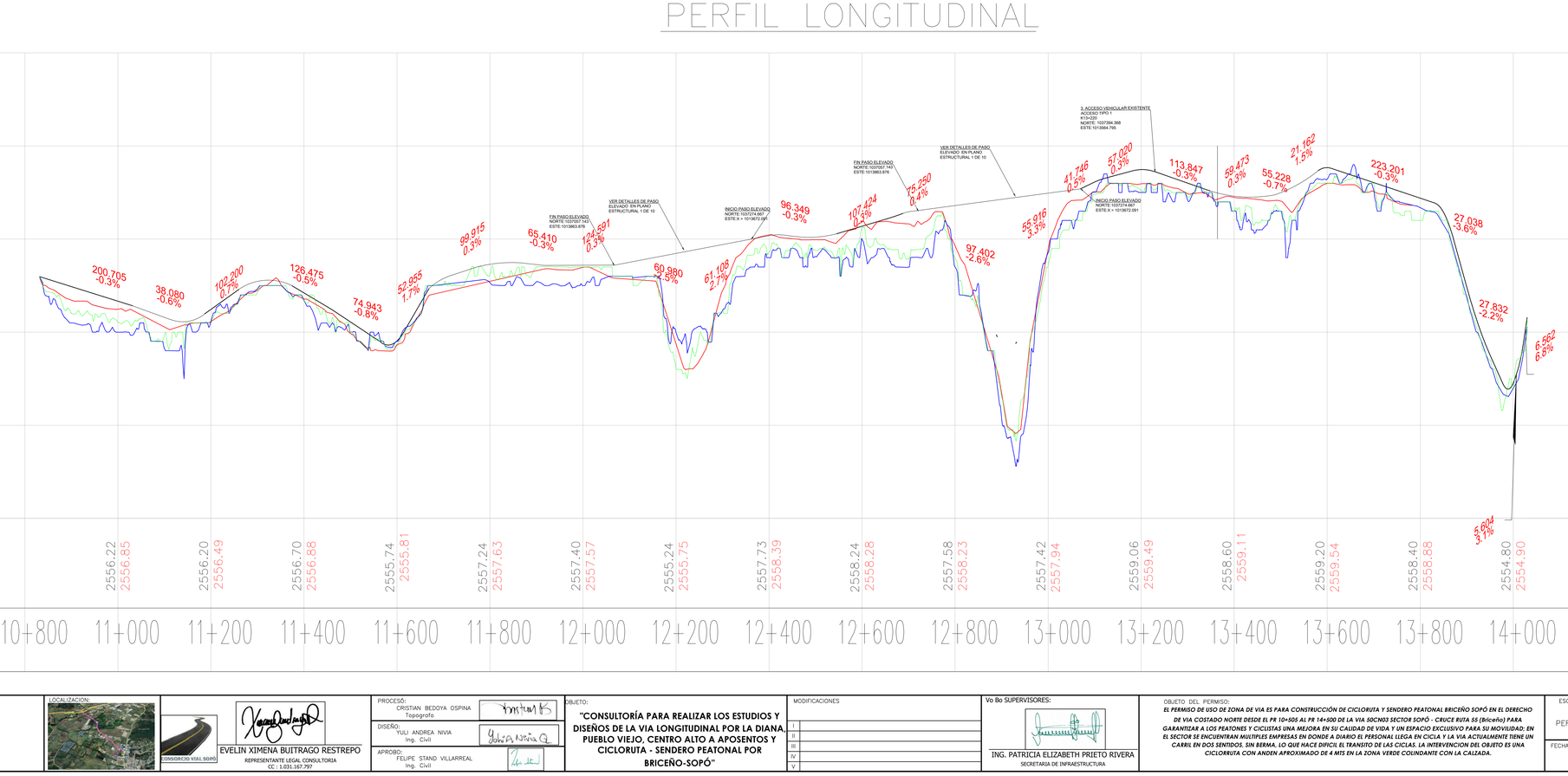
PVI	Station	Elevation (m)	Grade Out (%)	Curve Length (m)
1	10828.3	2558	-20.46%	0
2	10831.7	2557.304	-0.27%	0
3	11058.21	2556.694	-0.55%	51.612
4	11154.445	2556.163	0.72%	49.698
5	11310.994	2557.283	-0.45%	44.009
6	11474.423	2556.545	-0.84%	29.906
7	11589.99	2555.576	1.28%	51.347
8	11689.536	2557.296	-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	2557.946	-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	12668.017	2558.477	0.37%	30.15
16	12774.90	2558.875	-2.58%	33.047
17	12912.724	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	2559.533	-0.35%	49.017
21	13359.378	2558.994	-0.30%	30.289
22	13443.995	2559.245	0.82%	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		

Elementos de la Curva

Curvo #	Radio	Longitud	Direccion de la Cuerda	Longitud de la Cuerda	Delta	Mid-ordinate	Tangente Externa	direccion de la curva	Coordenadas PC (entrada)	Coordenadas PT (salida)	Coordenadas PI
C1	20.00	9.00	N65° 59' 25.80"R	8.92	25°46'23"	0.50	4.58	65°56'37"	(1015034.42,1037949.65)	(1015026.27,1037953.28)	(1015030.76,1037952.39)
C2	400.00	22.90	N42° 44' 34.74"R	22.90	3°16'30"	0.16	11.45	41°52'52"	(1013176.85,1037820.87)	(1013161.31,1037837.69)	(1013169.32,1037829.50)
C3	3.00	4.71	N85° 04' 22.86"R	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° 59' 28.68"R	4.25	90°04'17"	0.88	3.01	57°25'728"	(1013246.07,1037769.08)	(1013241.83,1037769.38)	(1013244.10,1037771.35)
C5	200.00	22.29	N38° 52' 18.71"R	22.28	6°23'09"	0.31	11.16	8°35'40"	(1013332.79,1037665.68)	(1013331.81,1037683.02)	(1013332.32,1037673.96)
C6	120.00	43.21	N25° 09' 46.67"R	42.98	20°37'56"	1.94	21.84	14°19'26"	(1013886.43,1037012.62)	(1013868.13,1037051.53)	(1013883.66,1037035.08)
C7	80.00	82.67	N38° 26' 11.92"R	81.08	44°53'05"	6.06	33.04	21°29'09"	(1013984.08,1036942.56)	(1013946.11,1036975.41)	(1013955.22,1036943.65)
C8	5.00	3.73	N39° 28' 48.15"R	3.65	42°47'52"	0.34	1.96	34°46'29"	(1013997.71,1036418.39)	(1013995.39,1036421.26)	(1013997.11,1036420.20)
C9	5.09	4.39	N6° 38' 04.54"L	4.25	49°25'53"	0.47	2.34	33°01'35"	(1014003.75,1036394.23)	(1014004.24,1036398.46)	(1014004.97,1036396.23)
C10	20.00	22.68	N1° 08' 09.57"R	21.48	64°58'21"	3.13	12.73	85°56'37"	(1014003.55,1036371.72)	(1013983.12,1036393.20)	(1013996.43,1036382.32)
C11	1000.00	112.22	N31° 42' 52.87"R	112.16	6°25'46"	1.57	56.17	1°43'08"	(1014125.98,1036202.92)	(1014057.79,1036239.65)	(1014089.26,1036245.36)
C12	200.00	40.93	N40° 22' 33.49"R	40.86	11°43'37"	1.05	20.54	8°35'40"	(1014454.79,1035758.25)	(1014428.33,1035789.39)	(1014440.26,1035771.02)
C13	91.20	41.40	N13° 29' 58.99"R	41.04	26°00'25"	2.34	21.06	18°50'51"	(1014566.05,1035653.72)	(1014541.07,1035668.28)	(1014557.32,1035672.89)
C14	500.00	46.10	N56° 55' 54.64"R	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"L	4.88	87°31'00"	0.98	3.38	48°20'06"	(1014717.09,1035396.53)	(1014717.60,1035401.39)	(1014717.67,1035398.72)

CUADRO DE ELEMENTOS DE CURVAS ESPIRALES

Espiral	Espiral	Longitud	R	A	θe	Ts	Tc	X	Y	σ	λ	Abscisa TE/CE	Este TE/CE	Abscisa EC/TE	Norte EC/TE	Este EC/TE
S1	S1	35.000	INFINITY – 229.302	89.712	0.0761	24.798	10.214	34.982	0.777	0.111	17.499	13+898.905	1037875.607	13+933.905	1037900.065	1013209.171
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	13+968.905	1037921.687	1013177.661
S3	S3	30.000	INFINITY – 326.761	99.029	0.0459	21.252	8.752	29.994	0.402	0.057	15.000	13+640.183	1037704.877	13+670.183	1037729.007	1013280.297
S4	S4	30.000	326.761 – INFINITY	99.029	0.0459	21.252	8.752	29.994	0.402	0.057	15.000	13+670.183	1037729.007	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	1036988.656	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	12+797.930	1037070.749	1013852.164
S7	S7	35.000	INFINITY – 225.264	88.793	0.0777	24.798	10.214	34.981	0.793	0.113	17.499	12+559.188	1036843.776	12+594.188	1036878.757	1013907.279
S8	S8	35.000	225.264 – INFINITY	88.793	0.0777	24.798	10.214	34.981	0.793	0.113	17.499	12+594.188	1036878.757	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+276.691	1036562.430	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	12+346.691	1036631.308	1013910.863
S11	S11	35.000	INFINITY – 197.894	83.229	0.0884	24.800	10.216	34.978	0.902	0.129	17.498	11+467.761	1036033.963	11+502.761	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+467.761	1036059.360	11+502.761	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	11+431.626	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	11+623.282	1036033.793	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	11+457.810	1035896.264	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	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	14.999	11+263.452	1035738.671	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	11+428.333	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+999.933	1035494.064	11+039.933	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	11+039.933	1035562.945	1014607.413



LOCALIZACION:

CONSORCIO VIAL SOPÓ

EVELIN XIMENA BUITRAGO RESTREPO
REPRESENTANTE LEGAL CONSULTORIA
CC : 1.031.167.797

PROCESÓ: CRISTIAN BEDOYA OSPINA, Topografo

DISEÑÓ: 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:	LOCALIZACION CICLOVIA RUTA 50 SOPO–BRICEÑO V4.DWG

PLANTA PERFIL LOCALIZACION

PLANO 1 DE 1