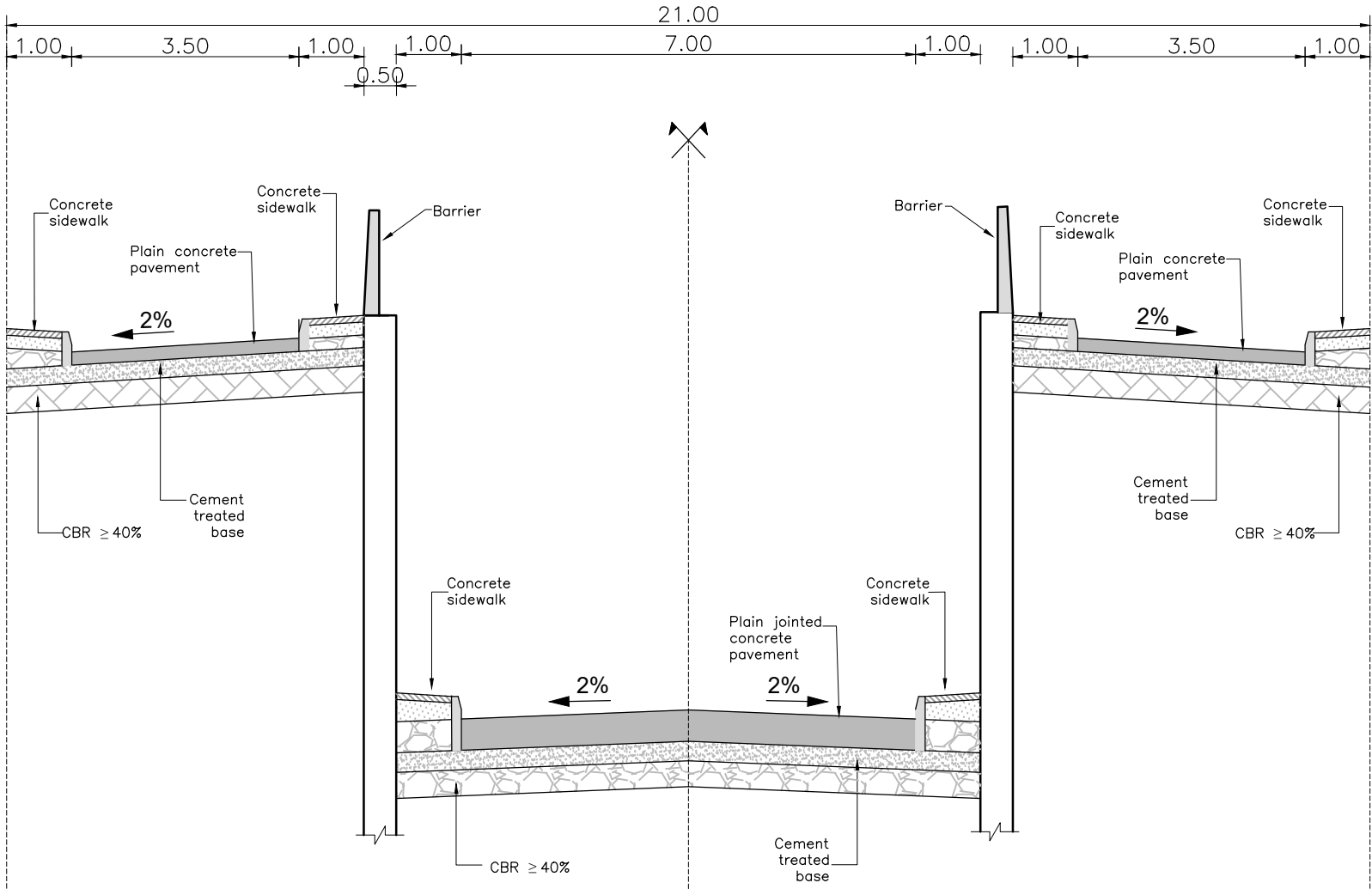


PLAN VIEW

SCALE 1:1000



CROSS SECTION WITH FRONTAGE ROADS  
BORRAZAS AND COLÓN UNDERPASS

SCALE H=1:100; V=1:50

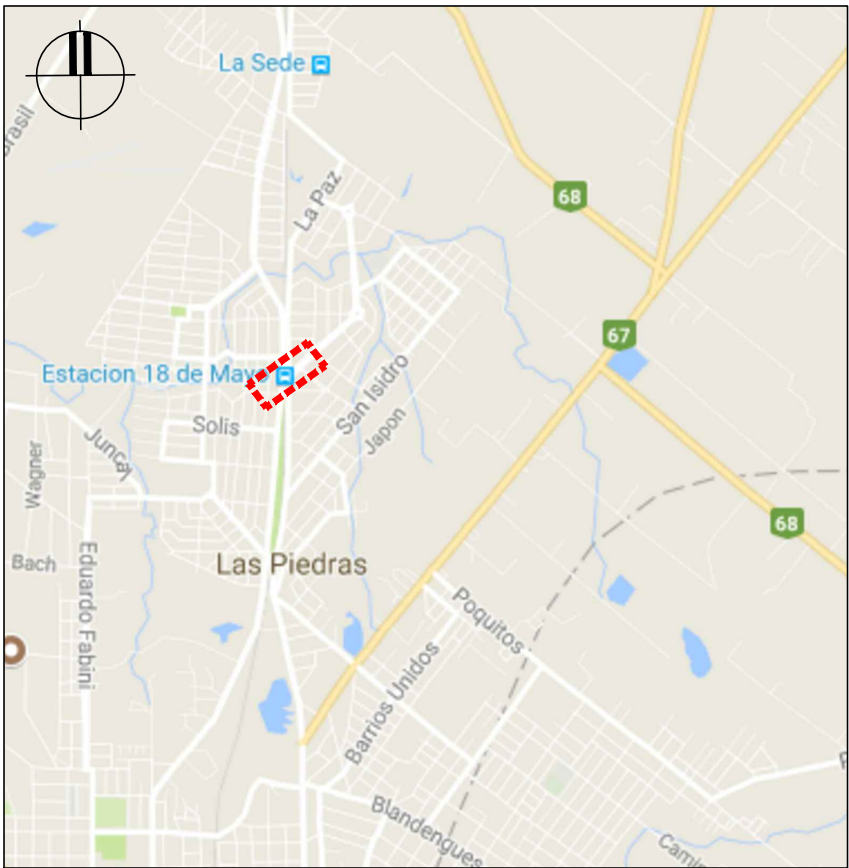
Borrazas and Colón streets											
NAME	START STATION	VERTEX STATION	END STATION	ANGLE	RADIO	LENGHT	TANGENT	BISECTOR	START COORD.	VERTEX COORD.	END COORD.
L1	0+000.00		0+067.44			67.44			E:571727.248 N:6160126.218		E:571794.369 N:6160119.674
C1	0+067.44	0+098.47	0+124.71	54°41'27"	60.00	57.27	31.03	7.55	E:571794.369 N:6160119.674	E:571825.252 N:6160116.663	E:571845.558 N:6160140.124
L2	0+124.71		0+256.04			131.33			E:571845.558 N:6160140.124		E:571931.506 N:6160239.422
C7	0+256.04	0+265.93	0+275.80	5°39'39"	200.00	19.76	9.89	0.24	E:571931.506 N:6160239.422	E:571938.044 N:6160246.840	E:571945.281 N:6160253.577
L3	0+275.80		0+335.18			59.38			E:571945.281 N:6160253.577		E:571988.625 N:6160294.171

Borrazas-Northeastern											
NAME	START STATION	VERTEX STATION	END STATION	ANGLE	RADIO	LENGHT	TANGENT	BISECTOR	START COORD.	VERTEX COORD.	END COORD.
L13	0+000.00		0+067.97			67.97			E:571989.610 N:6160305.711		E:571939.999 N:6160259.248
C8	0+067.97	0+078.24	0+088.50	5°39'33"	207.86	20.53	10.27	0.25	E:571939.999 N:6160259.248	E:571932.479 N:6160252.248	E:571925.686 N:6160244.540
L12	0+088.50		0+121.44			32.94			E:571925.686 N:6160244.540		E:571904.127 N:6160219.633

Borrazas-Northwest											
NAME	START STATION	VERTEX STATION	END STATION	ANGLE	RADIO	LENGHT	TANGENT	BISECTOR	START COORD.	VERTEX COORD.	END COORD.
L4	0+000.00		0+032.98			32.98			E:571861.282 N:6160170.132		E:571839.698 N:6160145.196
C2	0+032.98	0+060.00	0+082.85	54°41'27"	52.25	49.87	27.02	6.57	E:571839.698 N:6160145.196	E:571822.015 N:6160124.765	E:571795.121 N:6160127.387
L5	0+082.85		0+100.01			17.15			E:571795.121 N:6160127.387		E:571778.049 N:6160129.052

Borrazas-Southeast											
NAME	START STATION	VERTEX STATION	END STATION	ANGLE	RADIO	LENGHT	TANGENT	BISECTOR	START COORD.	VERTEX COORD.	END COORD.
L11	0+000.00		0+048.53			48.53			E:571905.581 N:6160197.628		E:571937.343 N:6160234.324
C6	0+048.53	0+058.03	0+067.50	5°39'15"	192.25	18.97	9.49	0.23	E:571937.343 N:6160234.324	E:571943.621 N:6160241.445	E:571950.570 N:6160247.913
L10	0+067.50		0+135.53			68.02			E:571950.570 N:6160247.913		E:572000.220 N:6160294.411

Borrazas-Southwest											
NAME	START STATION	VERTEX STATION	END STATION	ANGLE	RADIO	LENGHT	TANGENT	BISECTOR	START COORD.	VERTEX COORD.	END COORD.
L6	0+000.00		0+017.15			17.15			E:571776.552 N:6160113.624		E:571793.620 N:6160111.960
C3	0+017.15	0+031.67	0+045.77	23°52'09"	68.71	28.62	14.52	1.52	E:571793.620 N:6160111.960	E:571808.078 N:6160110.595	E:571821.851 N:6160115.196
C4	0+045.77	0+051.86	0+057.76	24°18'27"	28.25	11.98	6.08	0.65	E:571821.851 N:6160115.196	E:571827.616 N:6160117.142	E:571833.670 N:6160116.543
L7	0+057.76		0+079.60			21.84			E:571833.670 N:6160116.543		E:571855.407 N:6160114.380



LOCATION VIEW

REFERENCES - PLAN VIEW

SIGN	DEFINITION
	PROJECTED UNDERPASS ALIGNMET
	PROJECTED AUXILIARY STREET ALIGNMENT
	PROJECTED STREET PAVEMENT
	PROJECTED BRIDGE
	PROJECTED SIDEWALK
	BARRIERS
	RETENTION WALLS
	EXPROPRIATION LINE
	EXISTING CONSTRUCTIONS

NOTES

- ALL LENGTH AND RADIO MEASUREMENTS ARE IN METERS
- THE DRAINAGE WILL BE PERFORMED BY PUMPING



Railway Project

022+946 Olimar Borrazas-ST01

Grade separated crossing

Plan View

Cross Section

CUSTOMER		PROJECT		SCALE:	PAPER FORMAT:
 <div>MINISTERIO DE TRANSPORTE Y OBRAS PÚBLICAS</div>		Railway Project		Indicated	A3
		DESIGN PHASE Pre-engineering, Phase 2			
SUPPLIER	DATE:	VERSION:	SHEET ID:		
	23/10/2017				