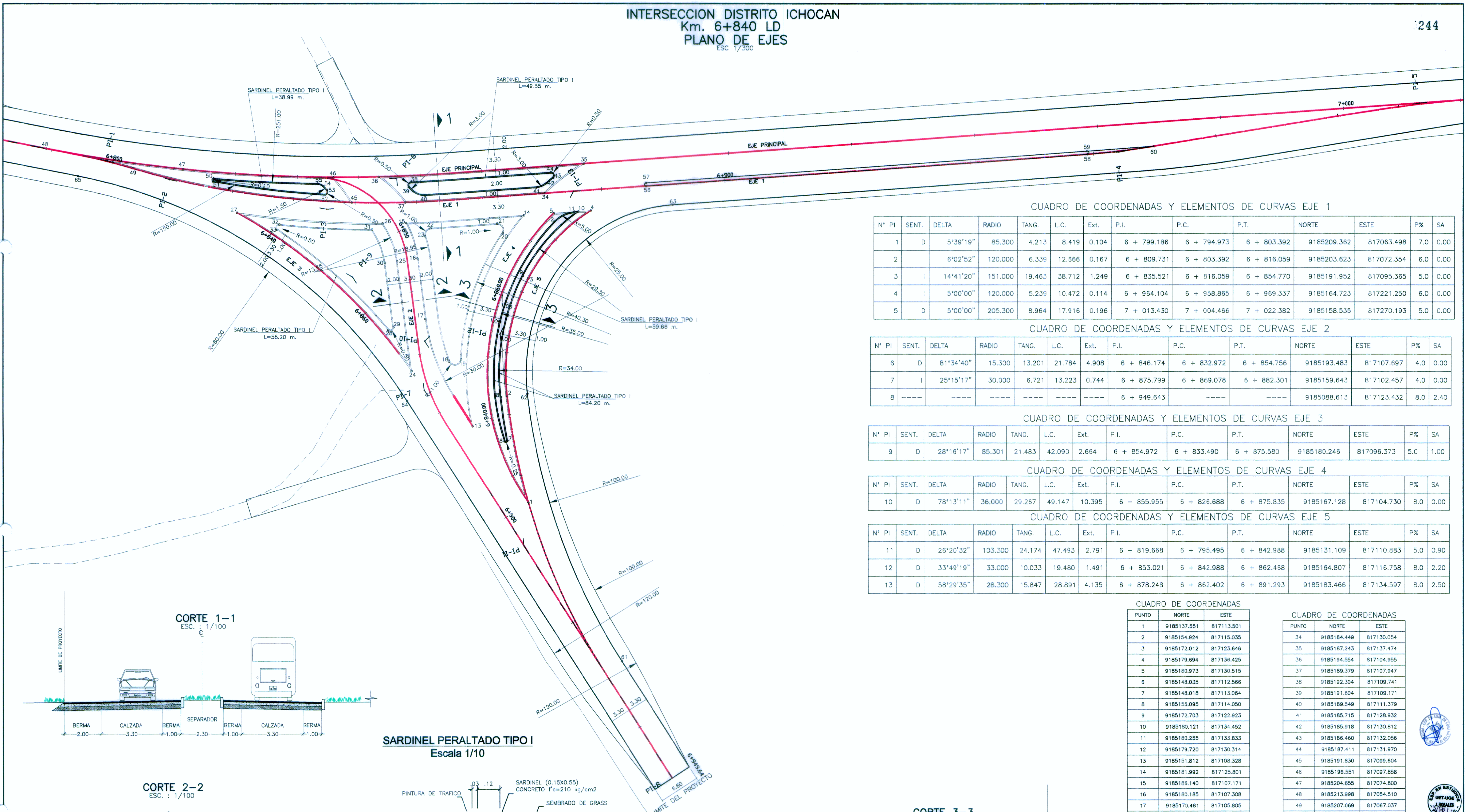


INTERSECCION DISTRITO ICHOCAN  
Km. 6+840 LD  
PLANO DE EJES  
ESC 1/300



CUADRO DE COORDENADAS Y ELEMENTOS DE CURVAS EJE 1

N° PI	SENT.	DELTA	RADIO	TANG.	L.C.	Ext.	P.I.	P.C.	P.T.	NORTE	ESTE	P%	SA
1	D	5°39'19"	85.300	4.213	8.419	0.104	6 + 799.186	6 + 794.973	6 + 803.392	9185209.362	817063.498	7.0	0.00
2	I	6°02'52"	120.000	6.339	12.866	0.167	6 + 809.731	6 + 803.392	6 + 816.059	9185203.623	817072.354	6.0	0.00
3	I	14°41'20"	151.000	19.463	38.712	1.249	6 + 835.521	6 + 816.059	6 + 854.770	9185191.952	817095.365	5.0	0.00
4	I	5°00'00"	120.000	5.239	10.472	0.114	6 + 964.104	6 + 958.865	6 + 969.337	9185164.723	817221.250	6.0	0.00
5	D	5°00'00"	205.300	8.964	17.916	0.196	7 + 013.430	7 + 004.466	7 + 022.382	9185158.535	817270.193	5.0	0.00

CUADRO DE COORDENADAS Y ELEMENTOS DE CURVAS EJE 2

N° PI	SENT.	DELTA	RADIO	TANG.	L.C.	Ext.	P.I.	P.C.	P.T.	NORTE	ESTE	P%	SA
6	D	81°34'40"	15.300	13.201	21.784	4.908	6 + 846.174	6 + 832.972	6 + 854.756	9185193.483	817107.697	4.0	0.00
7	I	25°15'17"	30.000	6.721	13.223	0.744	6 + 875.799	6 + 869.078	6 + 882.301	9185159.643	817102.457	4.0	0.00
8	---	---	---	---	---	---	6 + 949.643	---	---	9185088.613	817123.432	8.0	2.40

CUADRO DE COORDENADAS Y ELEMENTOS DE CURVAS EJE 3

N° PI	SENT.	DELTA	RADIO	TANG.	L.C.	Ext.	P.I.	P.C.	P.T.	NORTE	ESTE	P%	SA
9	D	28°16'17"	85.301	21.483	42.090	2.664	6 + 854.972	6 + 833.490	6 + 875.580	9185180.246	817096.373	5.0	1.00

CUADRO DE COORDENADAS Y ELEMENTOS DE CURVAS EJE 4

N° PI	SENT.	DELTA	RADIO	TANG.	L.C.	Ext.	P.I.	P.C.	P.T.	NORTE	ESTE	P%	SA
10	D	78°13'11"	36.000	29.267	49.147	10.395	6 + 855.955	6 + 826.688	6 + 875.835	9185167.128	817104.730	8.0	0.00

CUADRO DE COORDENADAS Y ELEMENTOS DE CURVAS EJE 5

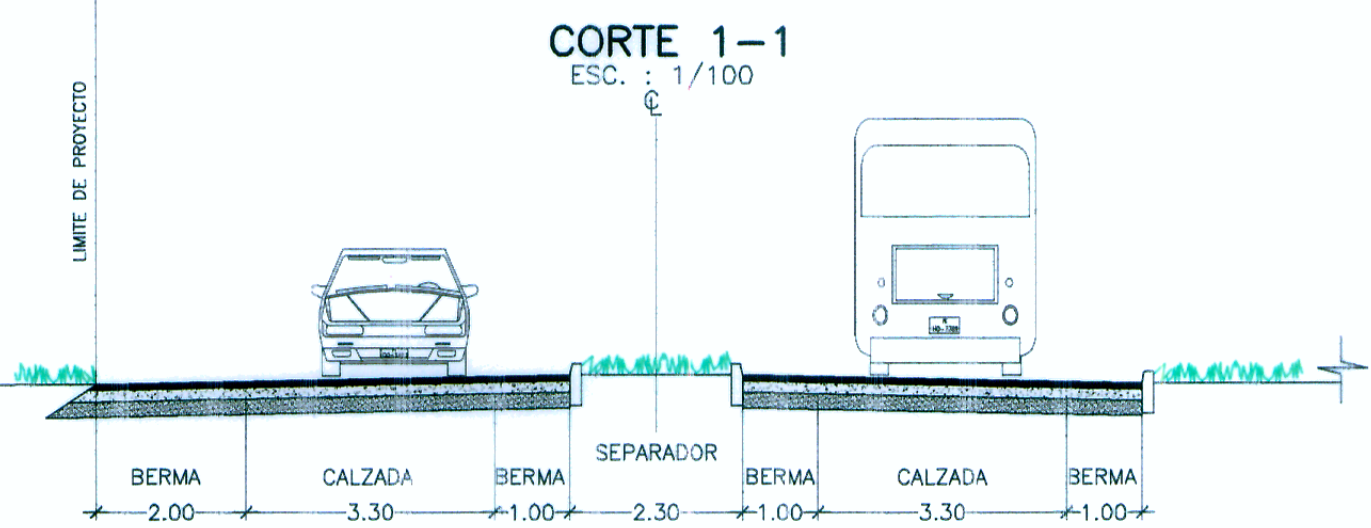
N° PI	SENT.	DELTA	RADIO	TANG.	L.C.	Ext.	P.I.	P.C.	P.T.	NORTE	ESTE	P%	SA
11	D	26°20'32"	103.300	24.174	47.493	2.791	6 + 819.668	6 + 795.495	6 + 842.988	9185131.109	817110.883	5.0	0.90
12	D	33°49'19"	33.000	10.033	19.480	1.491	6 + 853.021	6 + 842.988	6 + 862.468	9185164.807	817116.758	8.0	2.20
13	D	58°29'35"	28.300	15.847	28.891	4.135	6 + 878.248	6 + 862.402	6 + 891.293	9185183.466	817134.597	8.0	2.50

CUADRO DE COORDENADAS

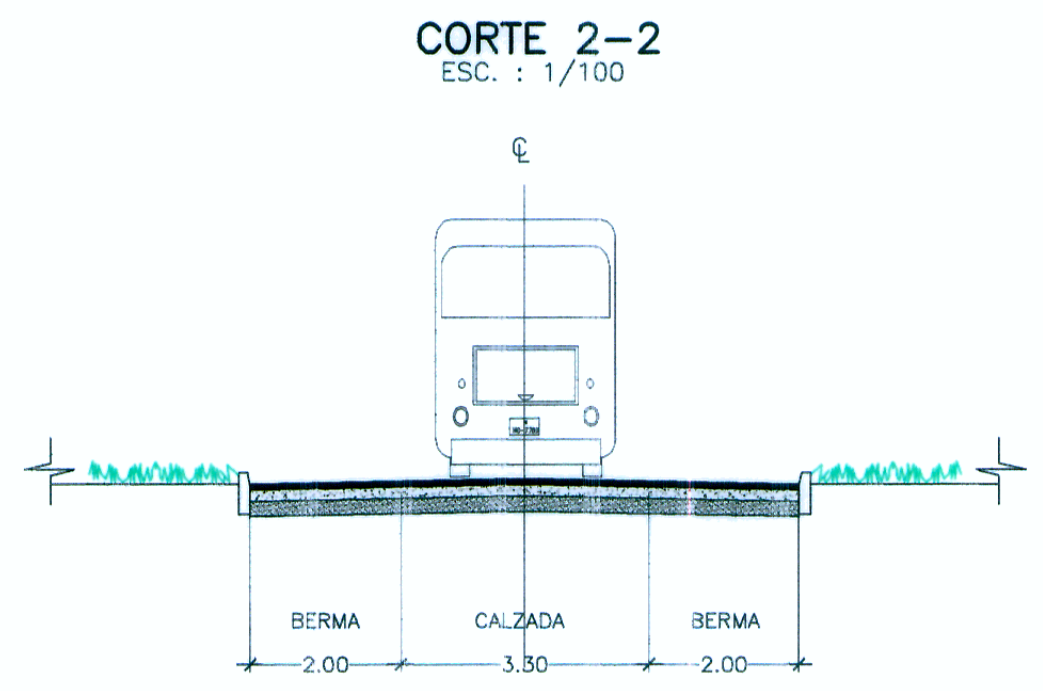
PUNTO	NORTE	ESTE
1	9185137.551	817113.501
2	9185154.924	817115.035
3	9185172.012	817123.646
4	9185179.694	817136.425
5	9185180.973	817130.515
6	9185148.035	817112.566
7	9185148.018	817113.054
8	9185155.095	817114.050
9	9185172.703	817122.923
10	9185180.121	817134.452
11	9185180.255	817133.833
12	9185179.720	817130.314
13	9185151.812	817108.328
14	9185181.992	817125.801
15	9185186.140	817107.171
16	9185180.185	817107.308
17	9185173.481	817105.805
18	9185162.910	817107.610
19	9185162.683	817109.548
20	9185180.198	817121.728
21	9185181.944	817121.296
22	9185184.259	817110.727
23	9185183.259	817109.501
24	9185163.166	817101.333
25	9185180.690	817104.046
26	9185187.190	817103.475
27	9185195.509	817081.256
28	9185170.522	817099.517
29	9185170.649	817100.468
30	9185180.996	817102.070
31	9185186.724	817101.519
32	9185191.770	817087.308
33	9185190.986	817086.735

CUADRO DE COORDENADAS

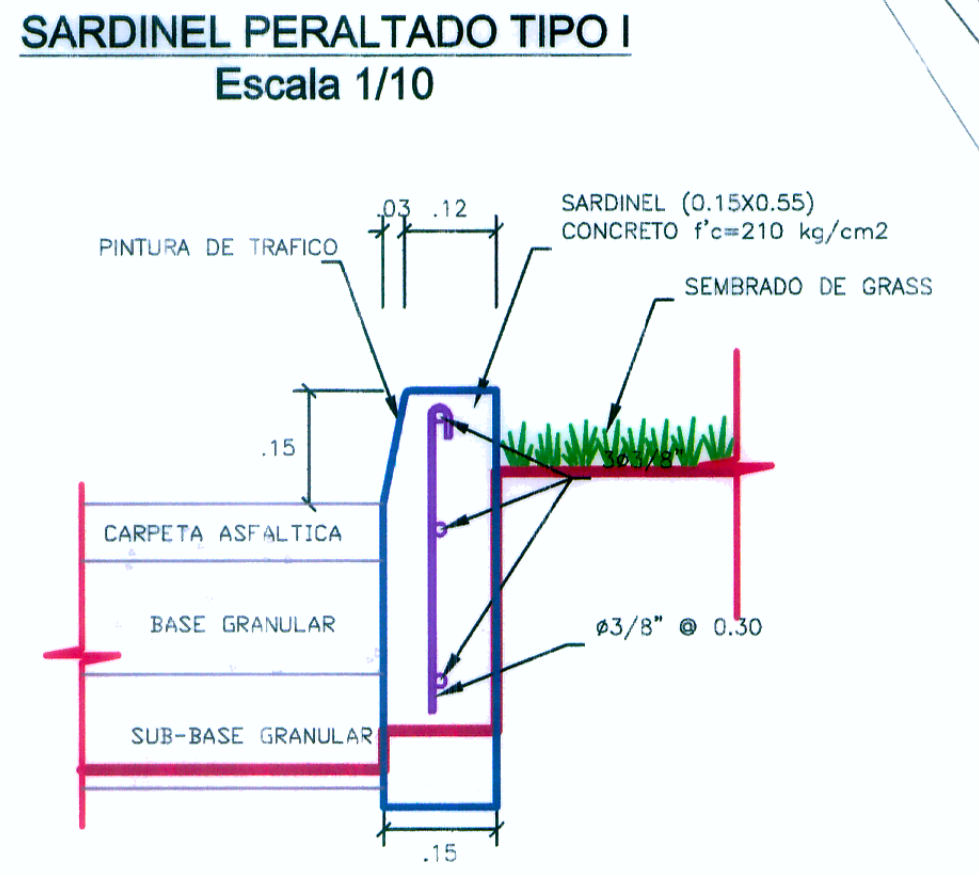
PUNTO	NORTE	ESTE
34	9185184.449	817130.054
35	9185187.243	817137.474
36	9185194.554	817104.955
37	9185189.379	817107.947
38	9185192.304	817109.741
39	9185191.604	817109.171
40	9185189.549	817111.379
41	9185185.715	817128.932
42	9185185.918	817130.812
43	9185186.460	817132.056
44	9185187.411	817131.970
45	9185191.830	817099.604
46	9185196.551	817097.858
47	9185204.655	817074.800
48	9185213.998	817054.510
49	9185207.069	817067.037
50	9185201.849	817079.169
51	9185201.392	817078.967
52	9185194.222	817095.697
53	9185194.900	817096.321
54	9185195.582	817095.995
55	9185196.333	817095.116
56	9185180.981	817146.000
57	9185181.470	817146.193
58	9185165.802	817216.200
59	9185166.291	817216.366
60	9185164.004	817226.938
61	9185108.859	817120.894
62	9185154.357	817118.286
63	9185176.891	817149.387
64	9185158.708	817099.292
65	9185208.360	817058.241



CORTE 1-1  
ESC. : 1/100

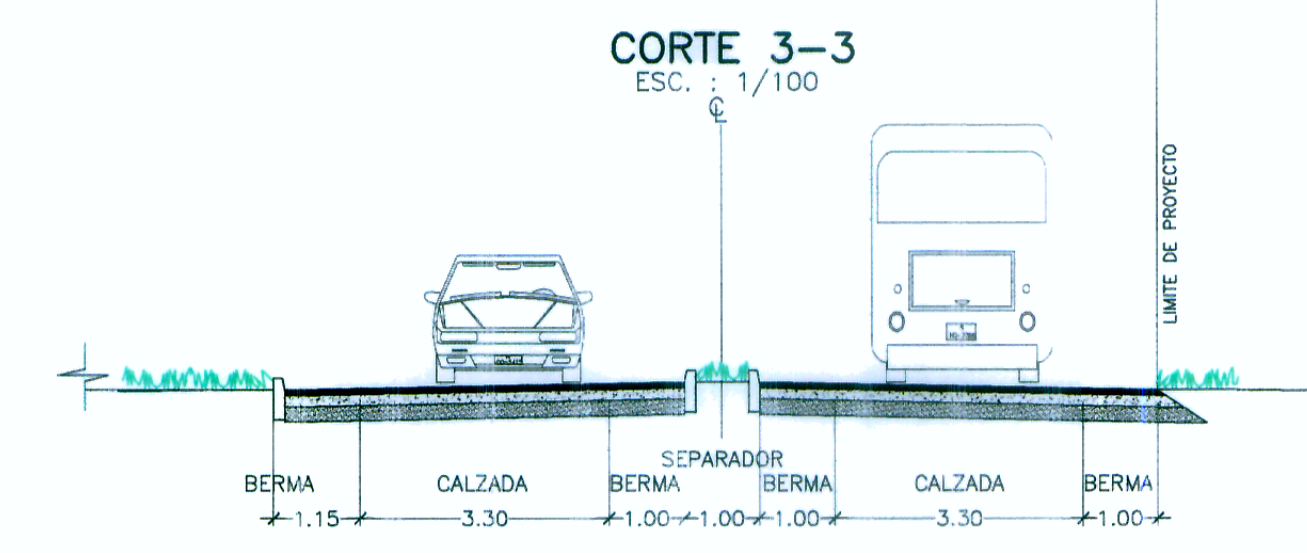


CORTE 2-2  
ESC. : 1/100



SARDINEL PERALTADO TIPO I  
Escala 1/10

NOTA : JUNTAS DE CONTRACCION MAXIMO @ 6 m.  
JUNTAS DE DILATACION MAXIMO @ 30 m.  
BRUÑAS CADA METRO



CORTE 3-3  
ESC. : 1/100

Logo of the Peruvian Ministry of Transport and Communications and the National Provinces.

HOB CONSULTORES S.A. Logo and contact information.

Ing. Estudio:	ING. CESAR GUEVRA M.
Especialista:	Esp
Revisado:	
Proceso y Ploteo:	M.CHAFLOQUE

REVISIONES	
N°	FECHA

ESTUDIO DEFINITIVO PARA EL MEJORAMIENTO DE LA CARRETERA: SAN MARCOS-CAJABAMBA-SAUSACOCCHA  
TRAMO: SAN MARCOS-CAJABAMBA  
CONTRATO N° 008-2011-MTC/20

DISEÑO GEOMETRICO INTERSECCION CENTRO POBLADO ICHOCAN

FECHA: MAYO 2012  
ESCALA FORMATO A1: 1/2000 ESCALA FORMATO A3: 1/4000  
008-11-DG-08-a