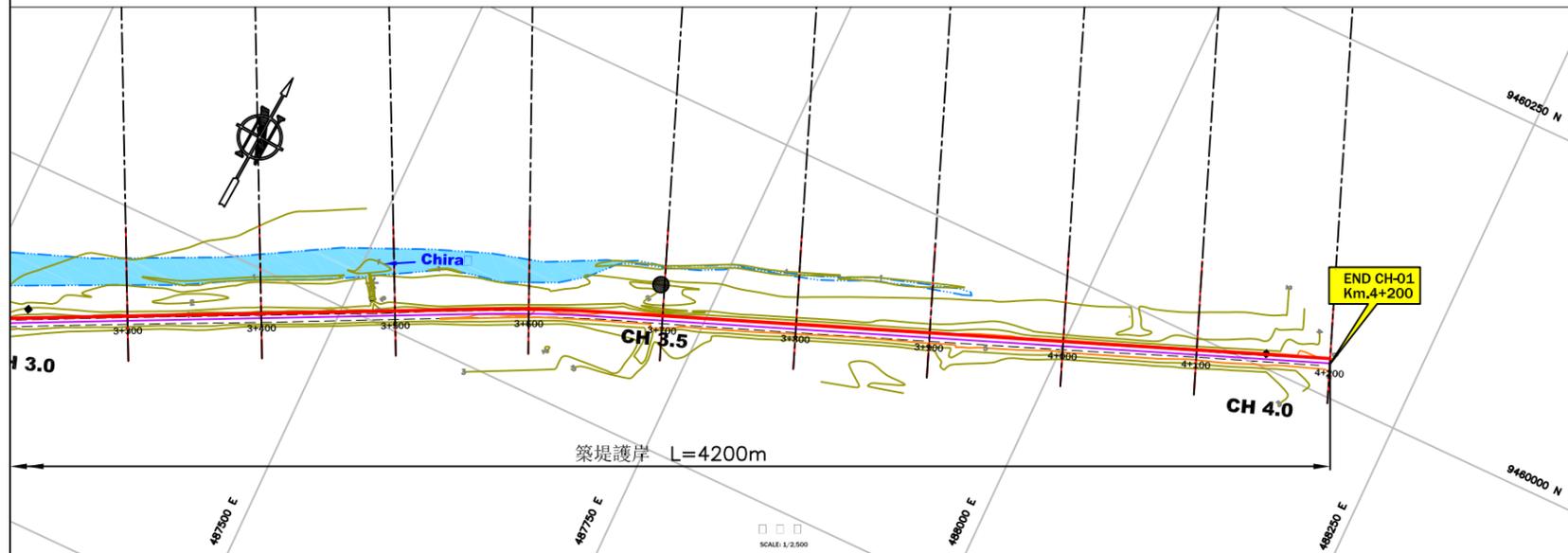
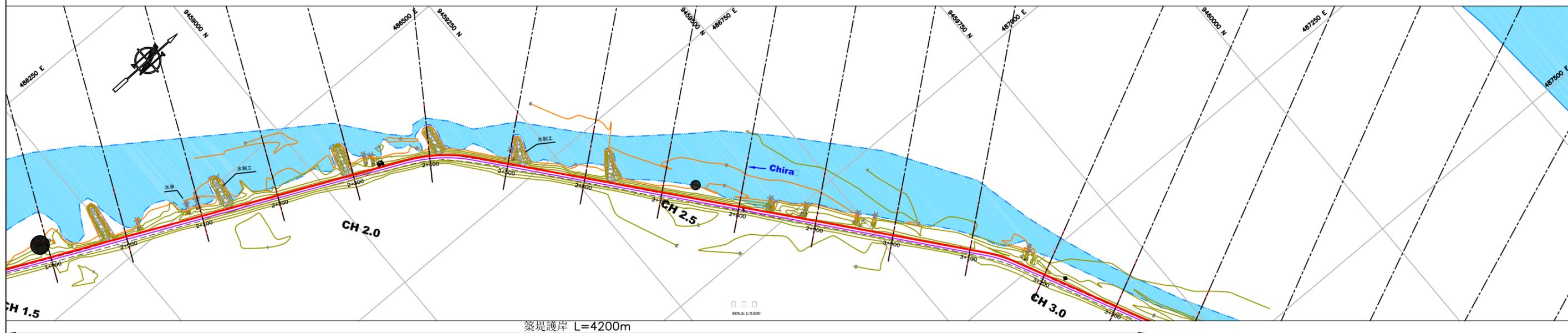
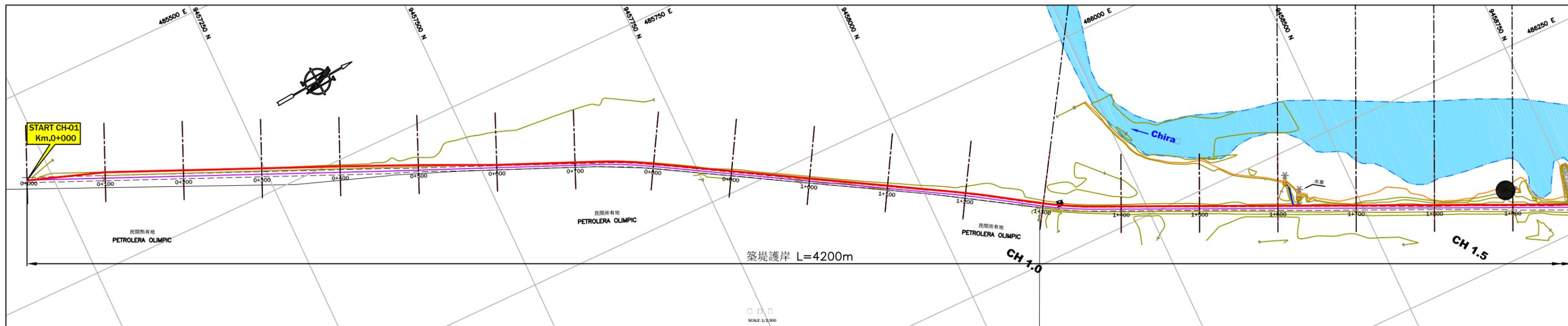


II 不採択流域

5. チラ川流域

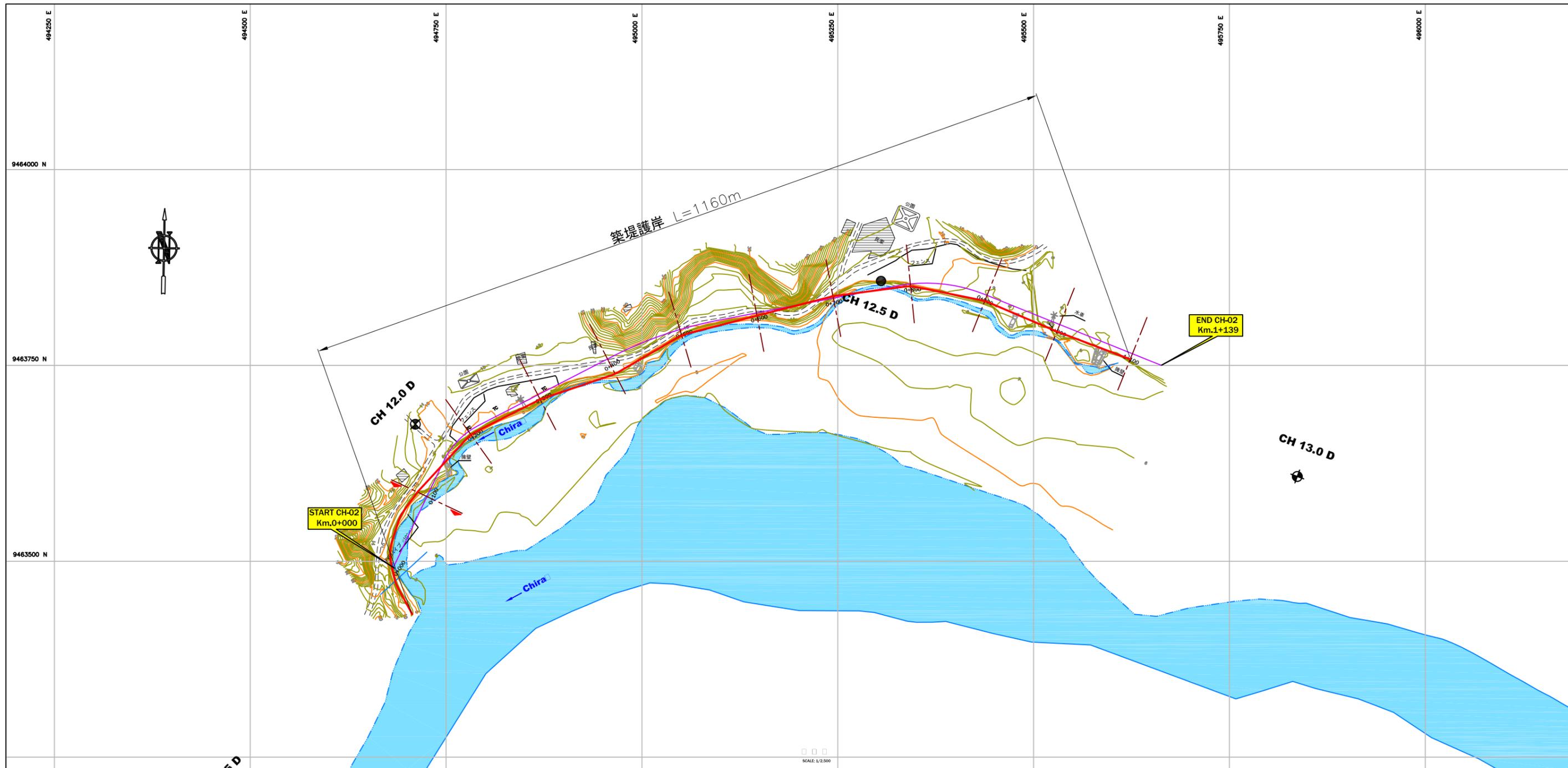
図 面 目 録

河川名 : Rio Chira	
番 号	図 面 名 称
1.	Rio Chira CHIRA-1 平面図 Km. 0+000~Km. 4+200
2.	Rio Chira CHIRA-2 平面図
3.	Rio Chira CHIRA-3 平面図
4.	Rio Chira CHIRA-4 平面図 Km. 64+000~Km. 64+300
5.	Rio Chira CHIRA-4 平面図 Km. 64+400~Km. 64+500
6.	Rio Chira CHIRA-1 縦断図 Km. 0+000~Km. 1+500
7.	Rio Chira CHIRA-1 縦断図 Km. 1+500~Km. 3+000
8.	Rio Chira CHIRA-1 縦断図 Km. 3+000~Km. 4+200
9.	Rio Chira CHIRA-2 縦断図
10.	Rio Chira CHIRA-3 縦断図 (1/2)
11.	Rio Chira CHIRA-3 縦断図 (2/2)
12.	Rio Chira CHIRA 堤防・護岸 標準断面図
13.	Rio Chira CHIRA-1 横断図 Km. 0+000~Km. 1+700
14.	Rio Chira CHIRA-1 横断図 Km. 0+800~Km. 3+200
15.	Rio Chira CHIRA-1 横断図 Km. 3+300~Km. 4+200
16.	Rio Chira CHIRA-2 横断図 Km. 0+000~Km. 1+139.6
17.	Rio Chira CHIRA-3 横断図 Km. 0+000~Km. 0+800
18.	Rio Chira CHIRA-3 横断図 Km. 0+900~Km. 1+700
19.	Rio Chira CHIRA-3 横断図 Km. 1+800~Km. 2+500
20.	Rio Chira CHIRA-4 横断図 Km. 63+300~Km. 63+700
21.	Rio Chira CHIRA-4 横断図 Km. 63+800~Km. 64+400
22.	Rio Chira CHIRA-4 横断図 Km. 63+500~Km. 65+033.89



凡例	
	一次等高線
	二次等高線
	河床
	断面軸
	擁壁
	民家
	測量法線
	測量法線
	水車

NOTA: La escala indicada, corresponde al formato A-1. Para el Formato A-3, se debe considerar el doble.



START CH-02
Km.0+000

築堤護岸 L=1160m

CH 12.5 D

END CH-02
Km.1+139

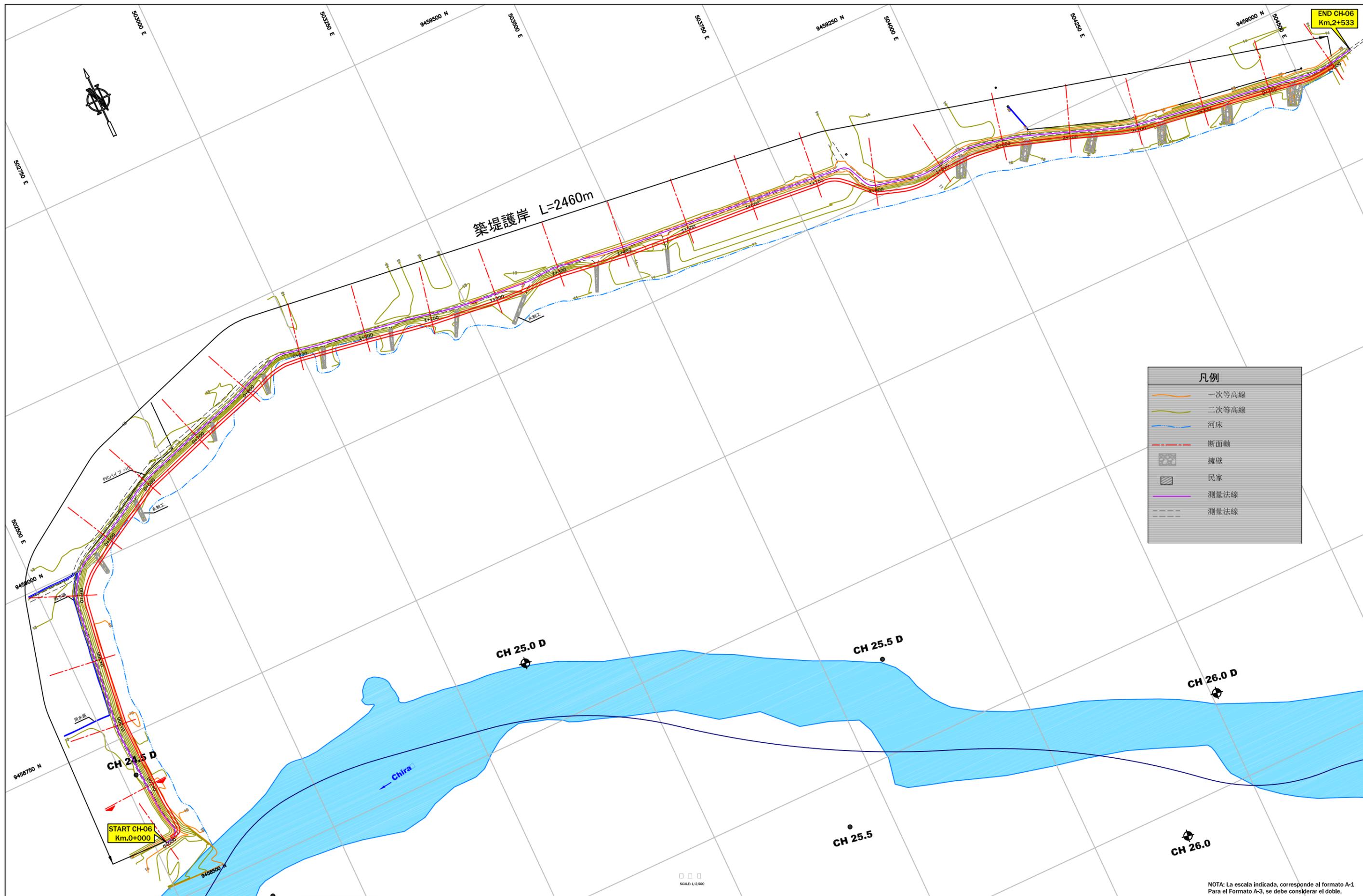
CH 13.0 D

Chira

SCALE: 1/2,500

凡例	
	一次等高線
	二次等高線
	河床
	断面軸
	擁壁
	民家
	測量法線
	測量法線
	水車

NOTA: La escala indicada, corresponde al formato A-1
Para el Formato A-3, se debe considerar el doble.



1:100 0 1 2 3 4 5 6 7 8 9 10

1:150 0 1 2 3 4 5 6 7 8 9 10

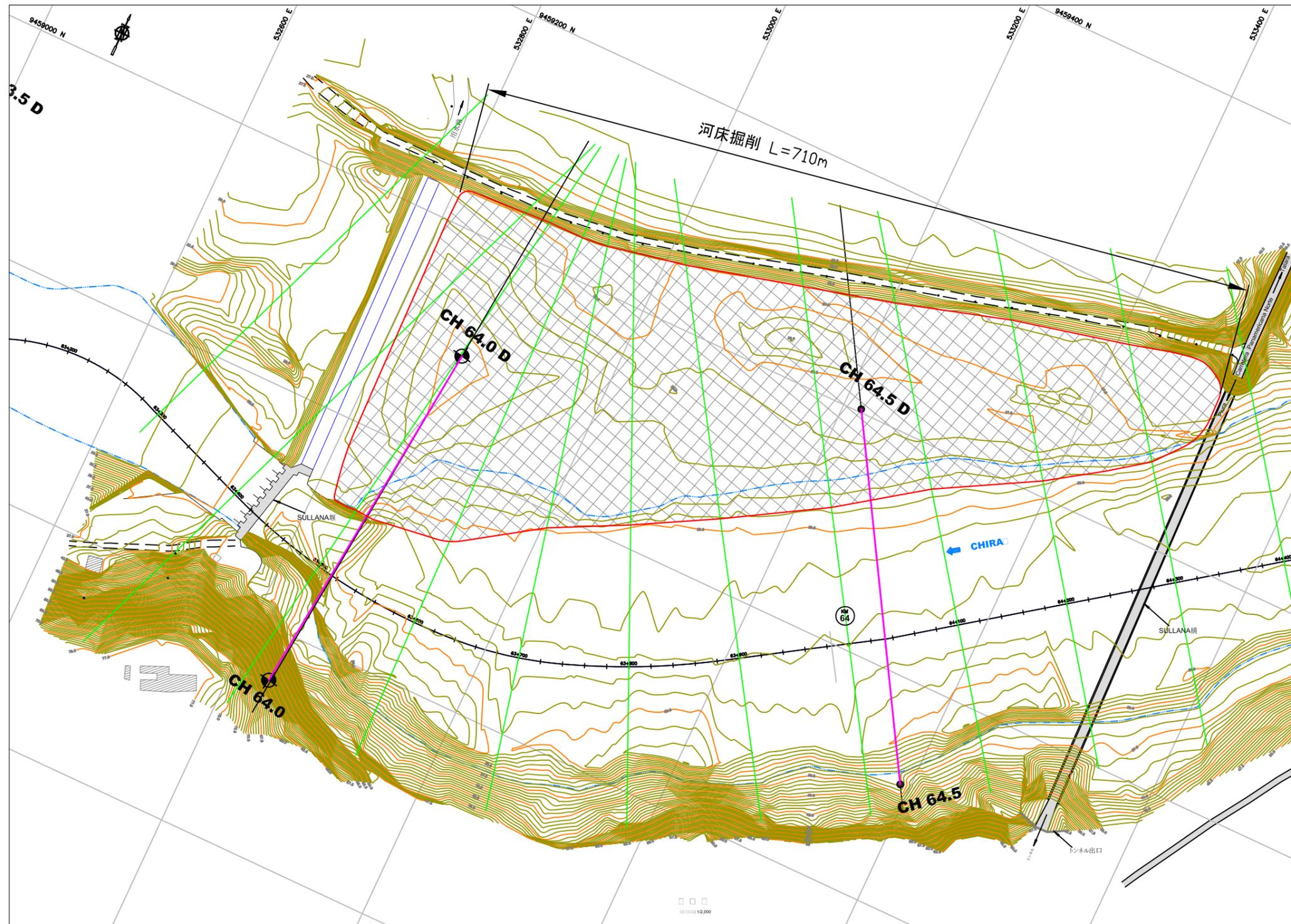
1:200 0 5 10 15

1:250 0 5 10 15 20

1:333.3 0 5 10 15 20 25 30

1:1000 0 5 10 15 20 25 30 35 40

1:750 0 10 20 30 40 50 60



凡例	
	一次等高線
	二次等高線
	河床
	断面軸
	擁壁
	民家
	測量法線
	測量法線

NOTA: La escala indicada, corresponde al formato A-1
Para el Formato A-3, se debe considerar el doble.

1:100 0 1 2 3 4 5 6 7 8 9 10

1:150 0 1 2 3 4 5 6 7 8 9 10

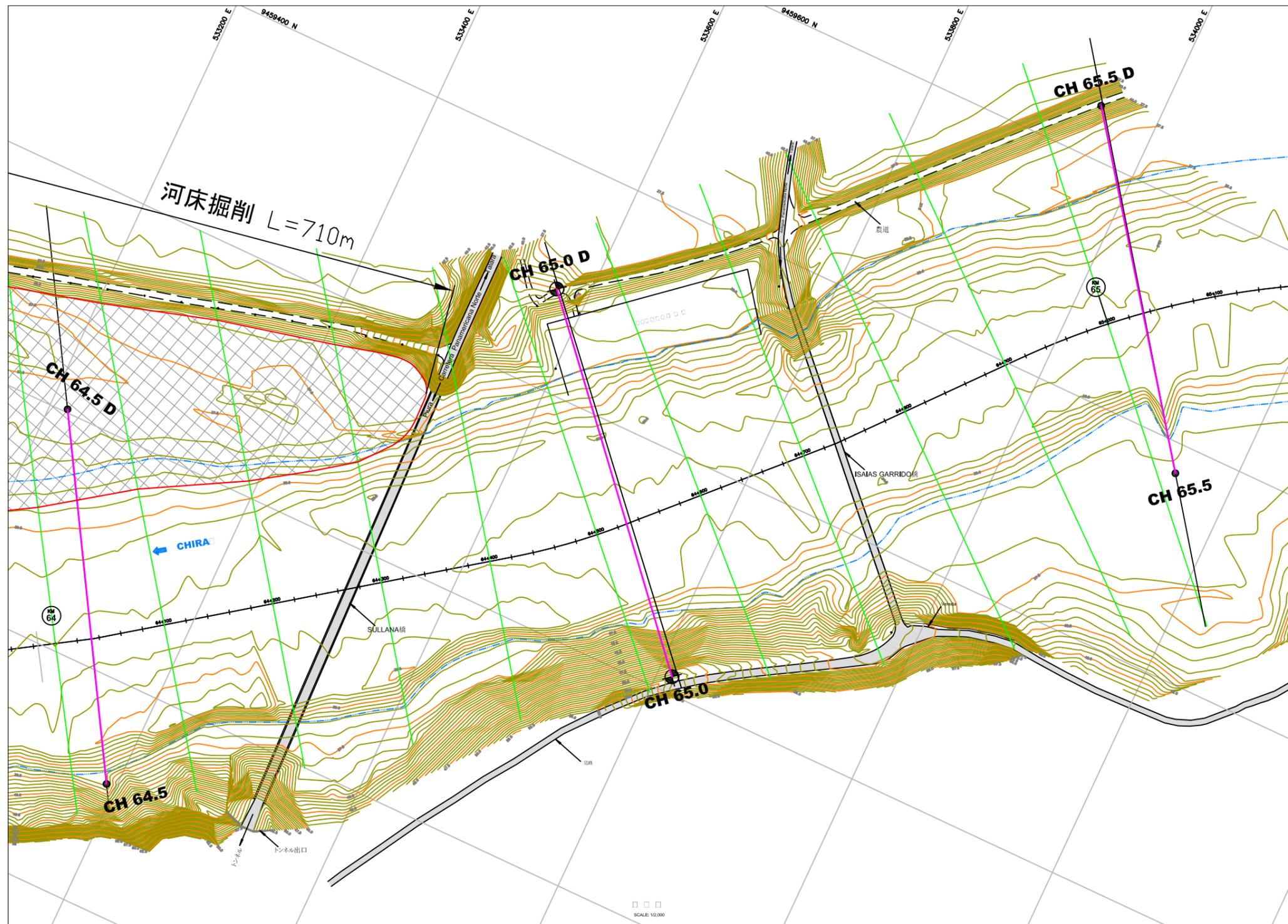
1:200 0 5 10 15

1:250 0 5 10 15 20

1:333.3 0 5 10 15 20 25 30

1:1000 0 5 10 15 20 25 30 35 40

1:750 0 10 20 30 40 50 60



NOTA: La escala indicada, corresponde al formato A-1 Para el Formato A-3, se debe considerar el doble.

1:100 0 1 2 3 4 5 6 7 8 9 10

1:150 0 1 2 3 4 5 6 7 8 9 10

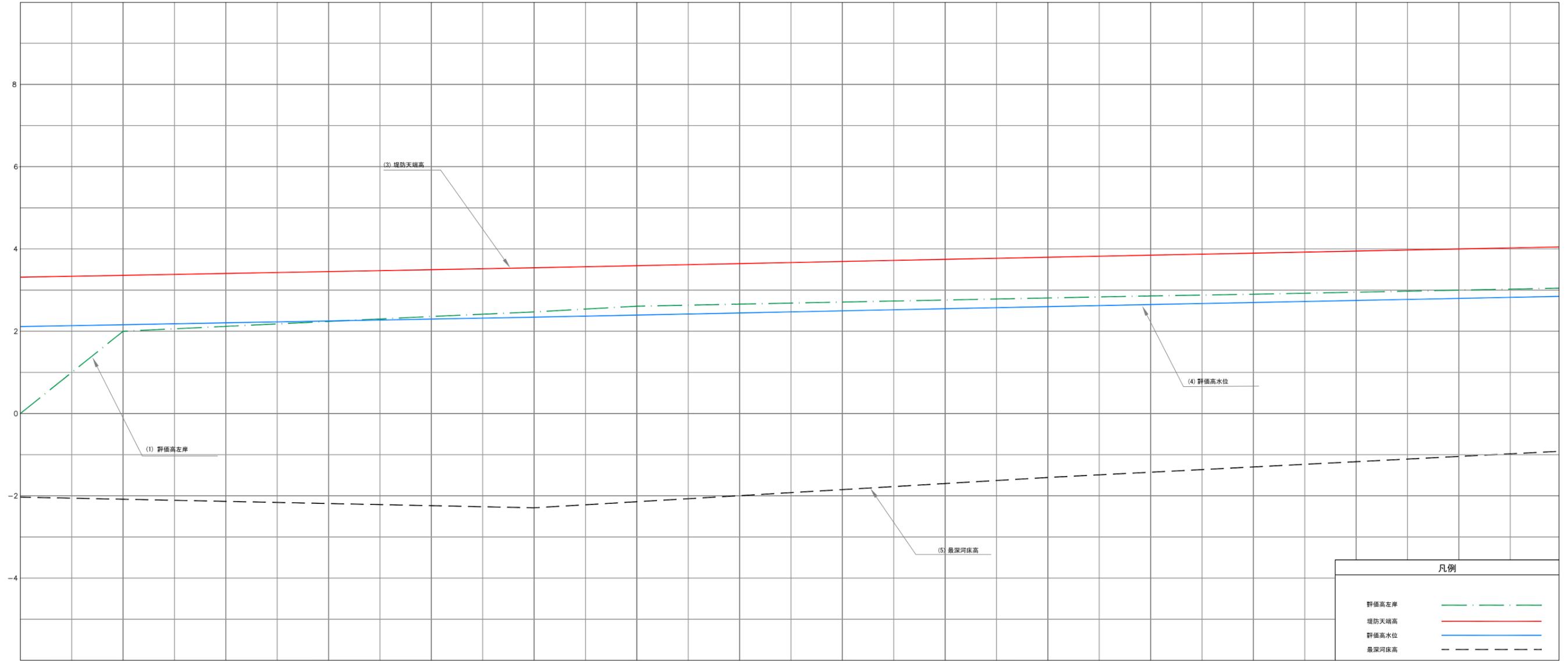
1:200 0 5 10 15

1:250 0 5 10 15 20

1:333.3 0 5 10 15 20 25 30

1:1000 0 5 10 15 20 25 30 35 40

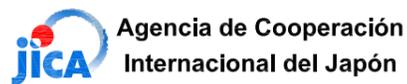
1:750 0 10 20 30 40 50 60



距離標 (m)	0+000	0+100	0+200	0+300	0+400	0+500	0+600	0+700	0+800	0+900	1+000	1+100	1+200	1+300	1+400	1+500
(1) 評価高左岸	0.00	2.00	2.12	2.24	2.36	2.47	2.61	2.66	2.71	2.76	2.81	2.86	2.90	2.95	3.00	3.05
(2) 堤防天端高	3.31	3.36	3.41	3.45	3.50	3.54	3.59	3.65	3.70	3.75	3.80	3.85	3.90	3.95	4.00	4.05
(3) 評価高水位	2.11	2.16	2.21	2.25	2.30	2.34	2.39	2.45	2.50	2.55	2.60	2.65	2.70	2.75	2.80	2.85
(4) 最深河床高	-2.03	-2.08	-2.13	-2.19	-2.24	-2.29	-2.14	-2.00	-1.85	-1.70	-1.55	-1.43	-1.30	-1.17	-1.04	-0.91

CHIRA川
クリティカルポイントN°1 (1/3)
縦断面図

NOTA: La escala indicada, corresponde al formato A-1
Para el Formato A-3, se debe considerar el doble.



Consultores:
Yeo
Yachiyo Engineering Co., Ltd.



LATIN AMÉRICA - CARIBBEAN
NIPON KOEI LAC CO., LTD.
Consulting Engineers

Diseño: M.SOYA
Revisado: M.KITANO
Aprobado: Y.NAKAGAWA
Revisión: REV_3

Proyecto:
PROGRAMA DE PROTECCIÓN DE VALLES Y POBLACIONES
RURALES VULNERABLES ANTE INUNDACIONES
EN LA REPÚBLICA DEL PERÚ

Plano:
**RIO CHIRA:
PUNTO CRITICO N°1 (1/3)
PERFIL LONGITUDINAL**

ESCALA: 1/1,500
FECHA: MARZO-2013
CÓDIGO:
CHIRA - 1

1:100 0 1 2 3 4 5 6 7 8 9 10

1:150 0 1 2 3 4 5 6 7 8 9 10

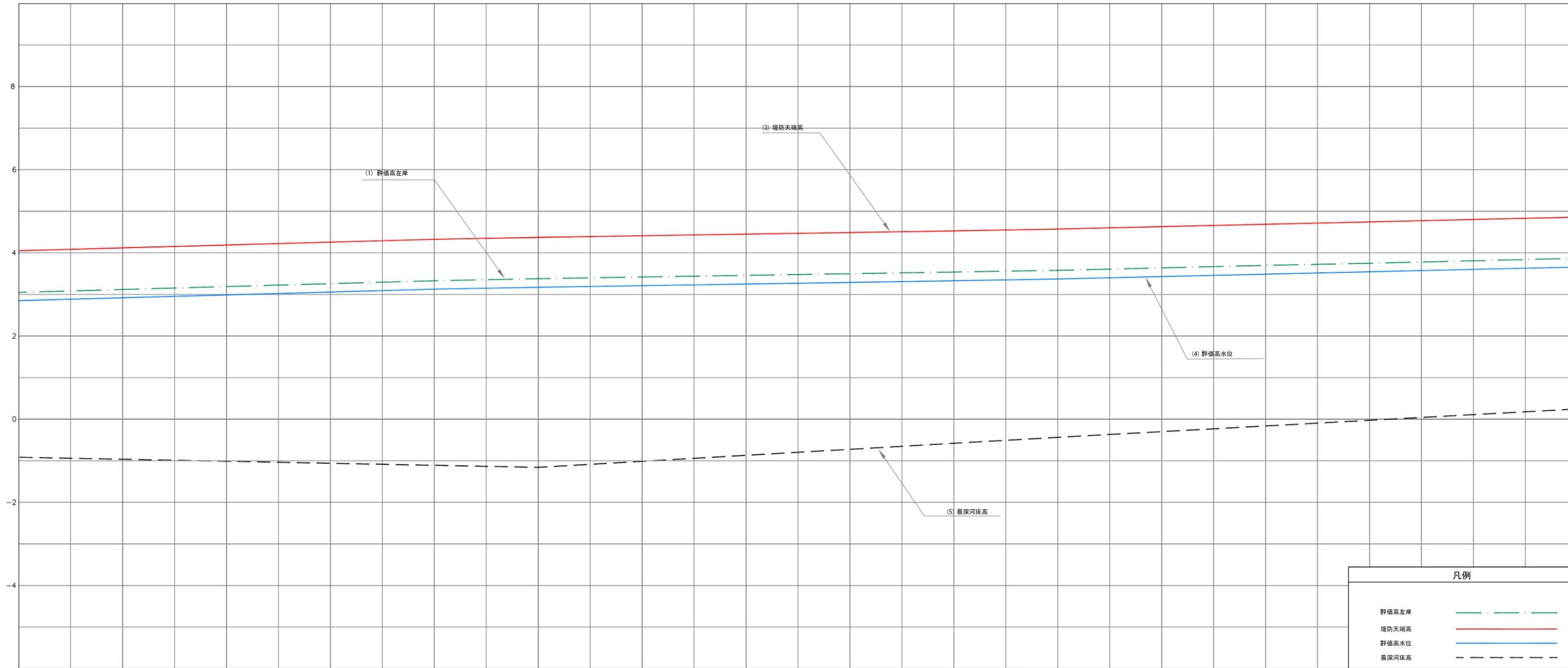
1:200 0 5 10 15

1:250 0 5 10 15 20

1:333.3 0 5 10 15 20 25 30

1:1000 0 5 10 15 20 25 30 35 40

1:750 0 10 20 30 40 50 60



距離標 (m)	1+500	1+600	1+700	1+800	1+900	2+000	2+100	2+200	2+300	2+400	2+500	2+600	2+700	2+800	2+900	3+000
(1) 評値高左岸	3.05	3.12	3.19	3.26	3.33	3.38	3.42	3.46	3.50	3.54	3.58	3.64	3.70	3.75	3.81	3.87
(2) 堤防天端高	4.05	4.12	4.19	4.26	4.33	4.37	4.41	4.45	4.49	4.53	4.57	4.63	4.69	4.75	4.80	4.86
(3) 評値高水位	2.85	2.92	2.99	3.06	3.13	3.17	3.21	3.25	3.29	3.33	3.37	3.43	3.49	3.55	3.60	3.66
(4) 最深河床高	-0.91	-0.96	-1.01	-1.06	-1.11	-1.16	-1.01	-0.87	-0.72	-0.58	-0.44	-0.30	-0.16	-0.03	0.11	0.25

CHIRA川
クリティカルポイントN°1 (2/3)
縦断面図

NOTA: La escala indicada, corresponde al formato A-1
Para el Formato A-3, se debe considerar el doble.



Diseño: M.SOYA
Revisado: M.KITANO
Aprobado: Y.NAKAGAWA
Revisión: REV_3

Proyecto:
PROGRAMA DE PROTECCIÓN DE VALLES Y POBLACIONES
RURALES VULNERABLES ANTE INUNDACIONES
EN LA REPÚBLICA DEL PERÚ

Plano:
**RIO CHIRA:
PUNTO CRITICO N°1 (2/3)
PERFIL LONGITUDINAL**

ESCALA: 1/1,500
FECHA: MARZO-2013
CÓDIGO:
CHIRA - 1

1:100 0 1 2 3 4 5 6 7 8 9 10

1:150 0 1 2 3 4 5 6 7 8 9 10

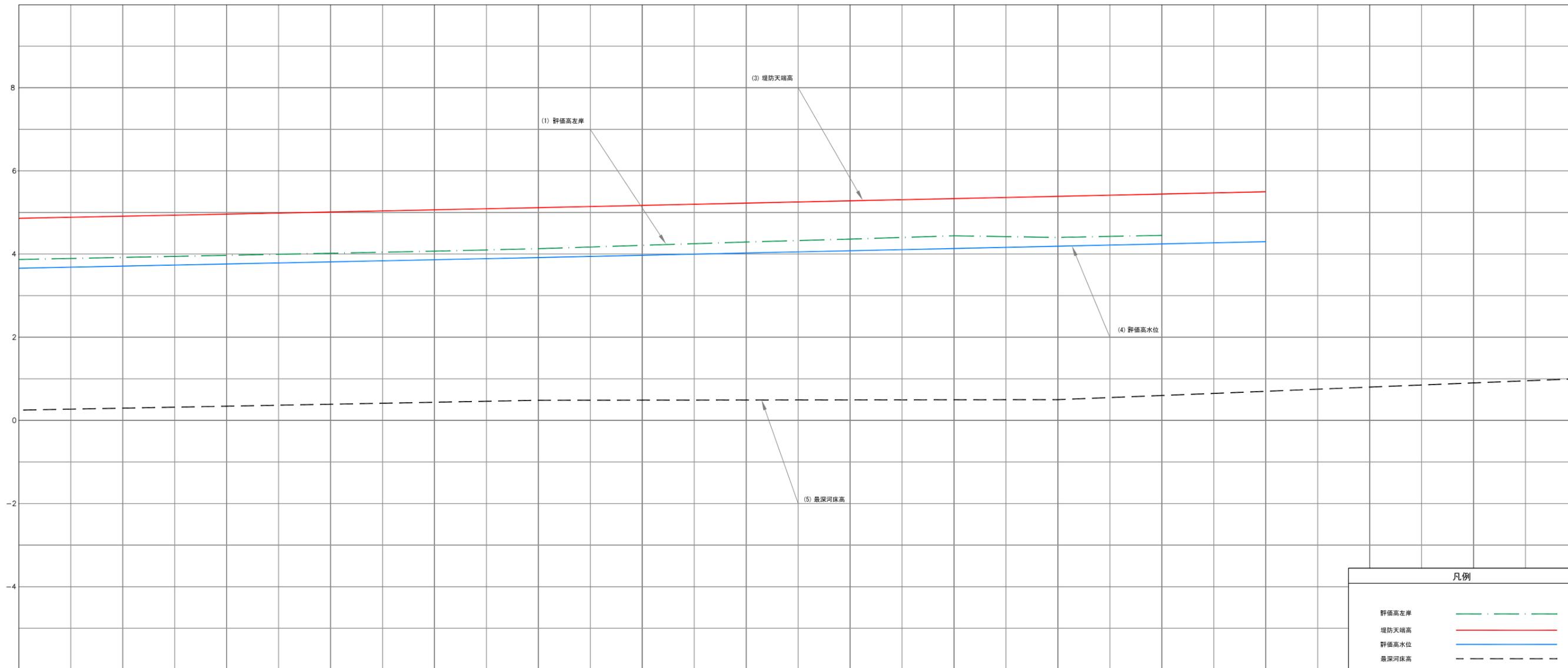
1:200 0 5 10 15

1:250 0 5 10 15 20

1:333.3 0 5 10 15 20 25 30

1:1000 0 5 10 15 20 25 30 35 40

1:750 0 10 20 30 40 50 60



距離標 (m)	3+000	3+100	3+200	3+300	3+400	3+500	3+600	3+700	3+800	3+900	4+000	4+100	4+200	4+300	4+400	4+500
(1) 評橋高左岸	3.87	3.92	3.97	4.02	4.07	4.13	4.21	4.29	4.36	4.44	4.40	4.45	0.00	0.00	0.00	
(2) 堤防天端高	4.86	4.91	4.96	5.01	5.06	5.12	5.17	5.23	5.28	5.33	5.39	5.44	5.50	3.67	1.83	
(3) 評橋高水位	3.66	3.71	3.76	3.81	3.86	3.92	3.97	4.03	4.08	4.13	4.19	4.24	4.30	2.87	1.43	
(4) 最深河床高	0.25	0.29	0.34	0.39	0.44	0.48	0.49	0.49	0.49	0.50	0.50	0.60	0.70	0.80	0.90	

CHIRA川
クリティカルポイントN°1 (3/3)
縦断面図

NOTA: La escala indicada, corresponde al formato A-1
Para el Formato A-3, se debe considerar el doble.



Consultores:
Yeo
Yachiyo Engineering Co., Ltd.



LATIN AMÉRICA - CARIBEN
NIPON KOEI LAC CO., LTD.
Consulting Engineers

Diseño: M.SOYA
Revisado: M.KITANO
Aprobado: Y.NAKAGAWA
Revisión: REV_3

Proyecto:
PROGRAMA DE PROTECCIÓN DE VALLES Y POBLACIONES
RURALES VULNERABLES ANTE INUNDACIONES
EN LA REPÚBLICA DEL PERÚ

Plano:
**RIO CHIRA:
PUNTO CRITICO N°1 (3/3)
PERFIL LONGITUDINAL**

ESCALA: 1/1,500
FECHA: MARZO-2013
CÓDIGO:
CHIRA - 1

1:100 0 1 2 3 4 5 6 7 8 9 10

1:150 0 1 2 3 4 5 6 7 8 9 10

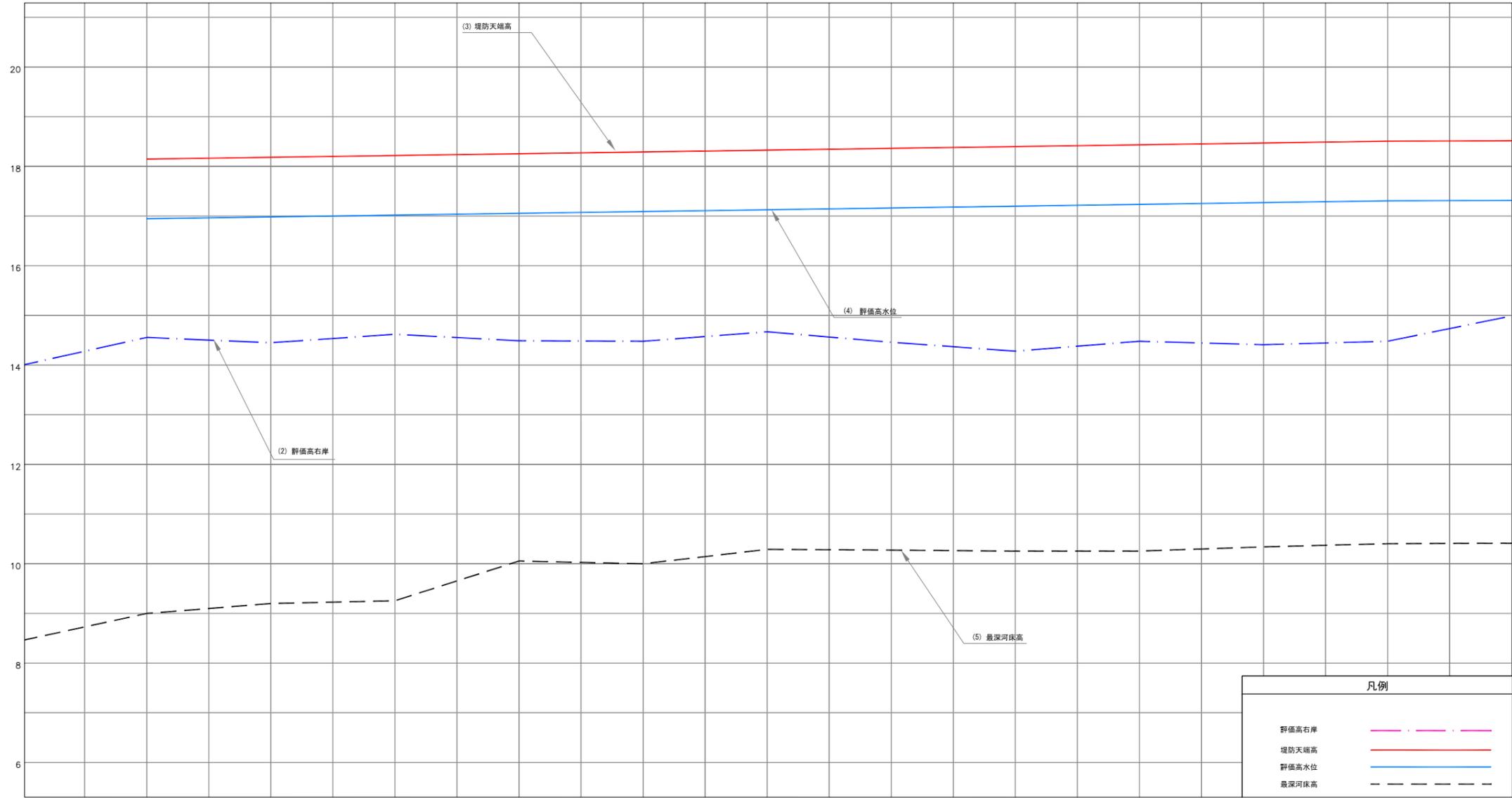
1:200 0 5 10 15

1:250 0 5 10 15 20

1:333.3 0 5 10 15 20 25 30

1:1000 0 5 10 15 20 25 30 35 40

1:750 0 10 20 30 40 50 60



距離標 (m)	0+000	0+100	0+200	0+300	0+400	0+500	0+600	0+700	0+800	0+900	1+000	1+100	1+200
(2) 評備高右岸	15.91	14.94	14.45	14.62	14.49	14.48	14.67	14.46	14.28	14.48	14.41	14.48	14.99
(3) 堤防天端高		18.15	18.18	18.22	18.26	18.29	18.33	18.36	18.40	18.44	18.47	18.51	18.52
(4) 評備高水位		16.95	16.98	17.02	17.06	17.09	17.13	17.16	17.20	17.24	17.27	17.31	17.32
(5) 最深河床高	8.66	9.00	9.40	9.51	10.11	10.00	10.58	10.55	10.51	10.51	10.68	10.81	10.83

CHIRA川
クリティカルポイントN°2
縦断面図

NOTA: La escala indicada, corresponde al formato A-1
Para el Formato A-3, se debe considerar el doble.

1:100 0 1 2 3 4 5 6 7 8 9 10

1:150 0 1 2 3 4 5 6 7 8 9 10

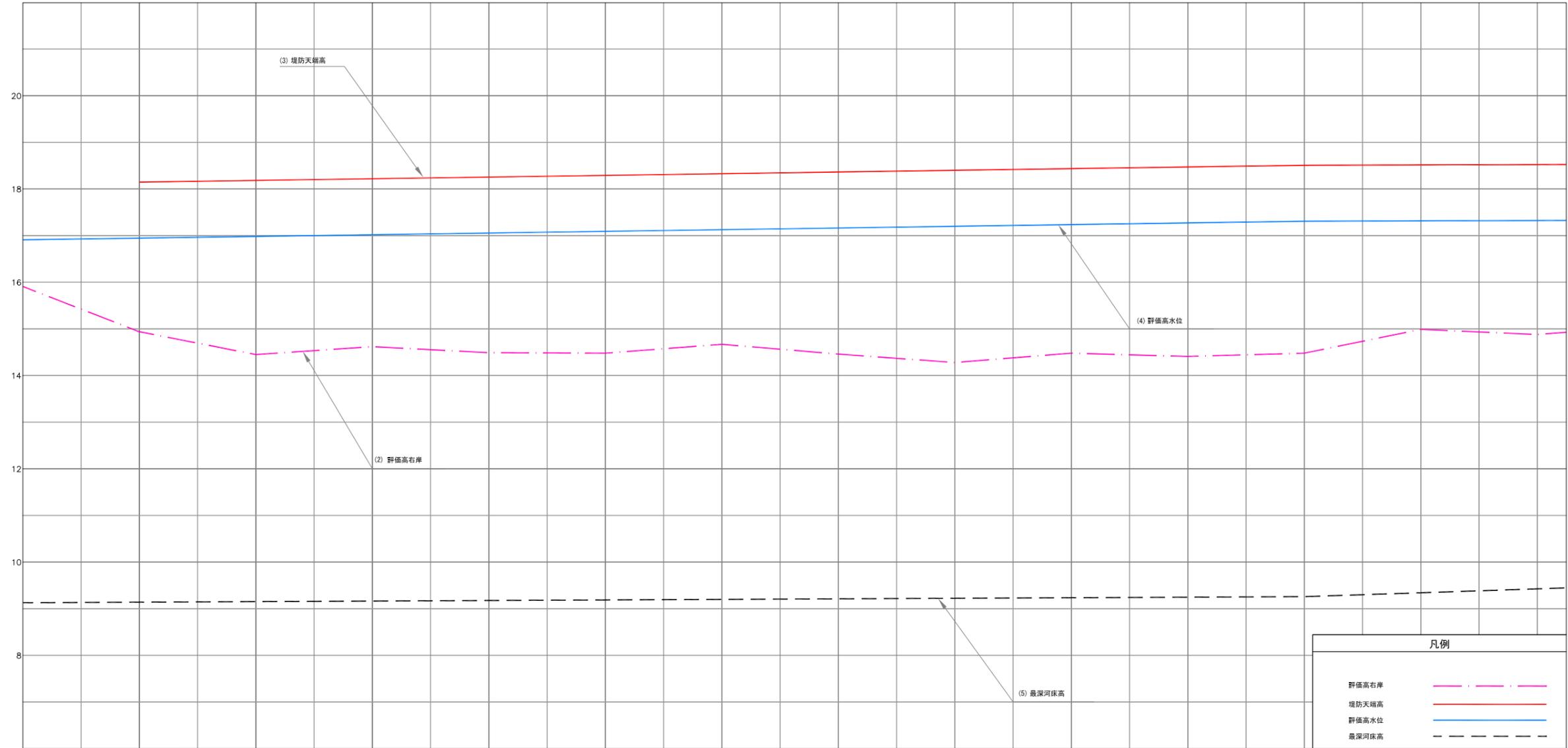
1:200 0 5 10 15

1:250 0 5 10 15 20

1:333.3 0 5 10 15 20 25 30

1:1000 0 5 10 15 20 25 30 35 40

1:750 0 10 20 30 40 50 60



距離標 (m)	0+000	0+100	0+200	0+300	0+400	0+500	0+600	0+700	0+800	0+900	1+000	1+100	1+200	1+300
(2) 評値高右岸	15.91	14.94	14.45	14.62	14.49	14.48	14.67	14.46	14.28	14.48	14.41	14.48	14.99	14.88
(3) 堤防天端高	0.00	18.15	18.18	18.22	18.26	18.29	18.33	18.36	18.40	18.44	18.47	18.51	18.52	18.52
(4) 評値高水位	16.91	16.95	16.98	17.02	17.06	17.09	17.13	17.16	17.20	17.24	17.27	17.31	17.32	17.32
(5) 最深河床高	9.13	9.14	9.15	9.17	9.18	9.19	9.20	9.21	9.22	9.24	9.25	9.26	9.34	9.43

CHIRA川
クリティカルポイントN°3 (1/2)
縦断面図

NOTA: La escala indicada, corresponde al formato A-1
Para el Formato A-3, se debe considerar el doble.

1:100 0 1 2 3 4 5 6 7 8 9 10

1:150 0 1 2 3 4 5 6 7 8 9 10

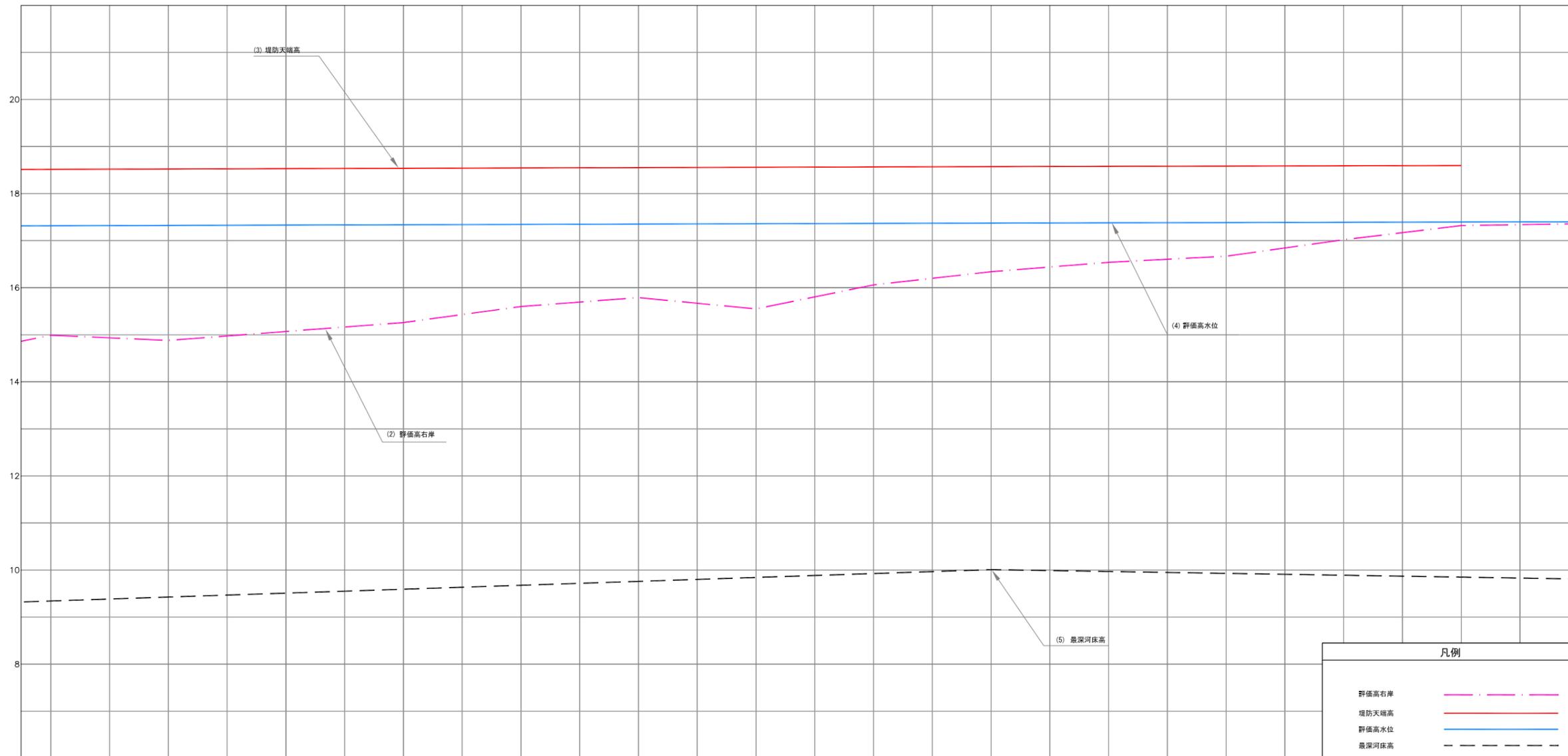
1:200 0 5 10 15

1:250 0 5 10 15 20

1:333.3 0 5 10 15 20 25 30

1:1000 0 5 10 15 20 25 30 35 40

1:750 0 10 20 30 40 50 60



距離標 (m)	1+200	1+300	1+400	1+500	1+600	1+700	1+800	1+900	2+000	2+100	2+200	2+300	2+400	2+500
(2) 評値高右岸	14.99	14.88	15.07	15.26	15.60	15.79	15.55	16.06	16.34	16.54	16.67	17.02	17.32	
(3) 堤防天端高	18.52	18.52	18.53	18.54	18.55	18.55	18.56	18.57	18.57	18.58	18.58	18.59		
(4) 評値高水位	17.32	17.32	17.33	17.34	17.35	17.35	17.36	17.37	17.37	17.38	17.38	17.39	17.40	
(5) 最深河床高	9.34	9.43	9.51	9.59	9.68	9.76	9.84	9.93	10.01	9.97	9.93	9.89	9.85	

CHIRA川
クリティカルポイントN°3 (2/2)
縦断面図

NOTA: La escala indicada, corresponde al formato A-1
Para el Formato A-3, se debe considerar el doble.

1:100 0 1 2 3 4 5 6 7 8 9 10

1:150 0 1 2 3 4 5 6 7 8 9 10

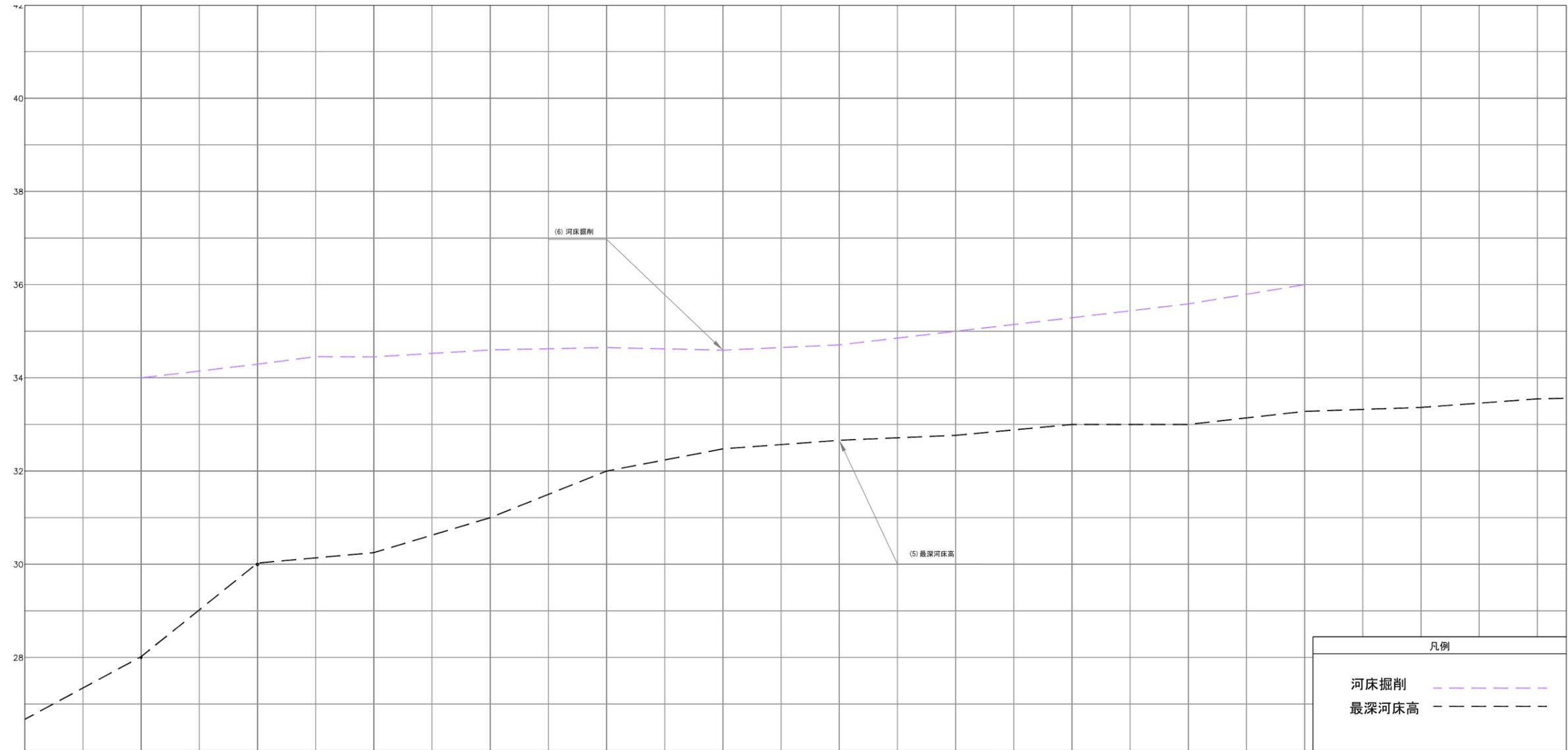
1:200 0 5 10 15

1:250 0 5 10 15 20

1:333.3 0 5 10 15 20 25 30

1:1000 0 5 10 15 20 25 30 35 40

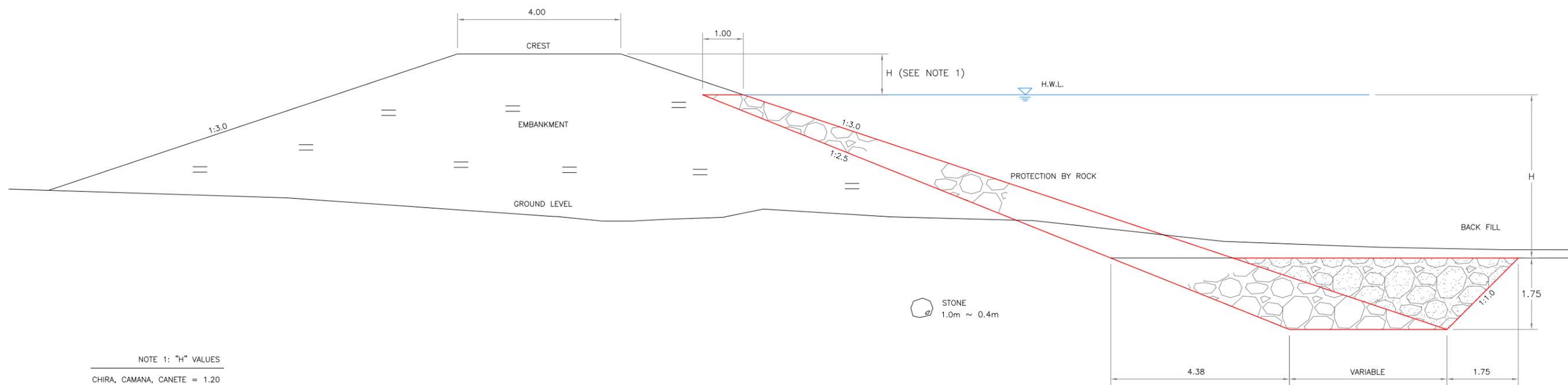
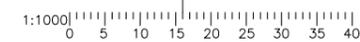
1:750 0 10 20 30 40 50 60



距離標 (m)	63+300	63+400	63+500	63+600	63+700	63+800	63+900	64+000	64+032.94	64+100	64+200	64+300	64+400	64+500
(5) 最深河床高	26.79	28.04	30.05	30.50	31.00	32.00	32.20	32.70	32.90	33.00	33.02	33.10	33.50	33.70
(6) 河床掘削		34.00	34.20	34.50	34.70	34.80	34.90	34.95	35.00	35.10	35.80	36.00		

CHIRA川
クリティカルポイントN°3 (1/2)
縦断面図

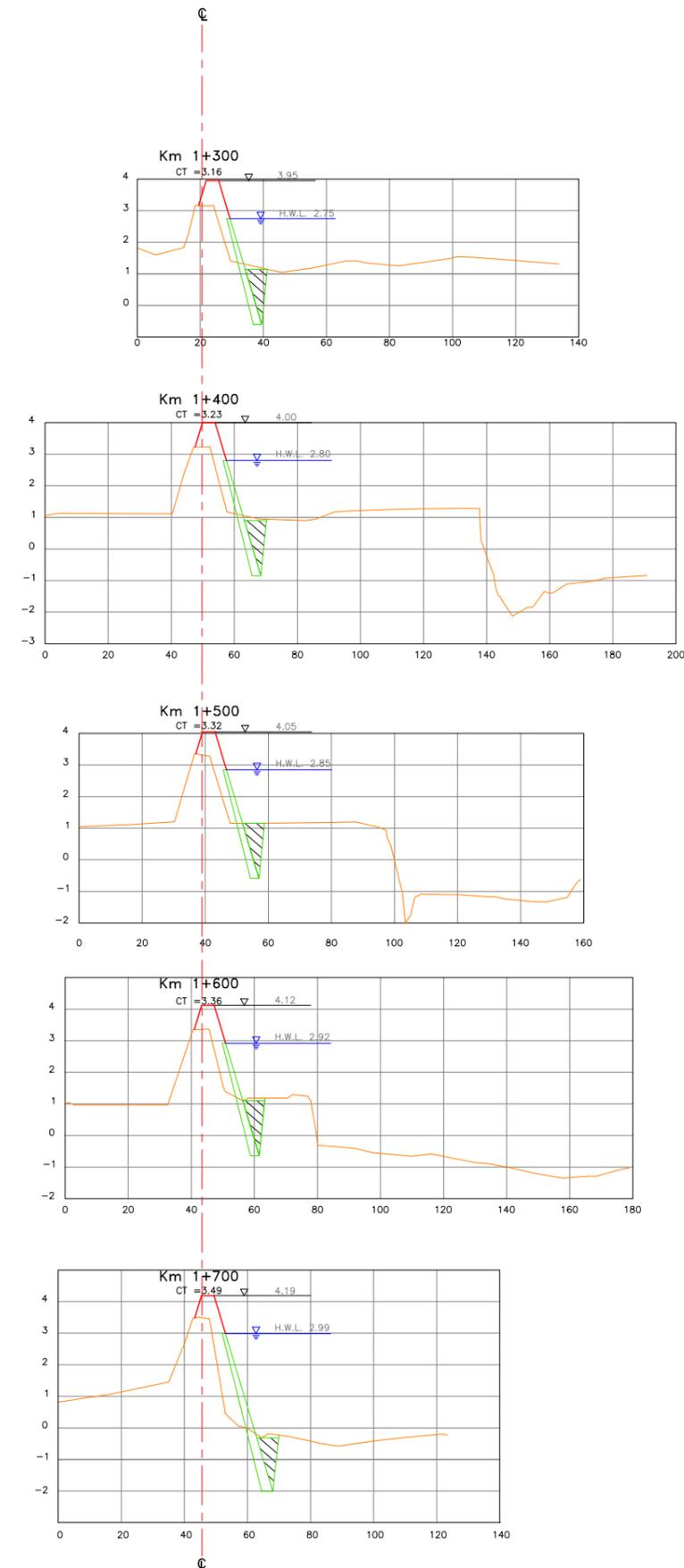
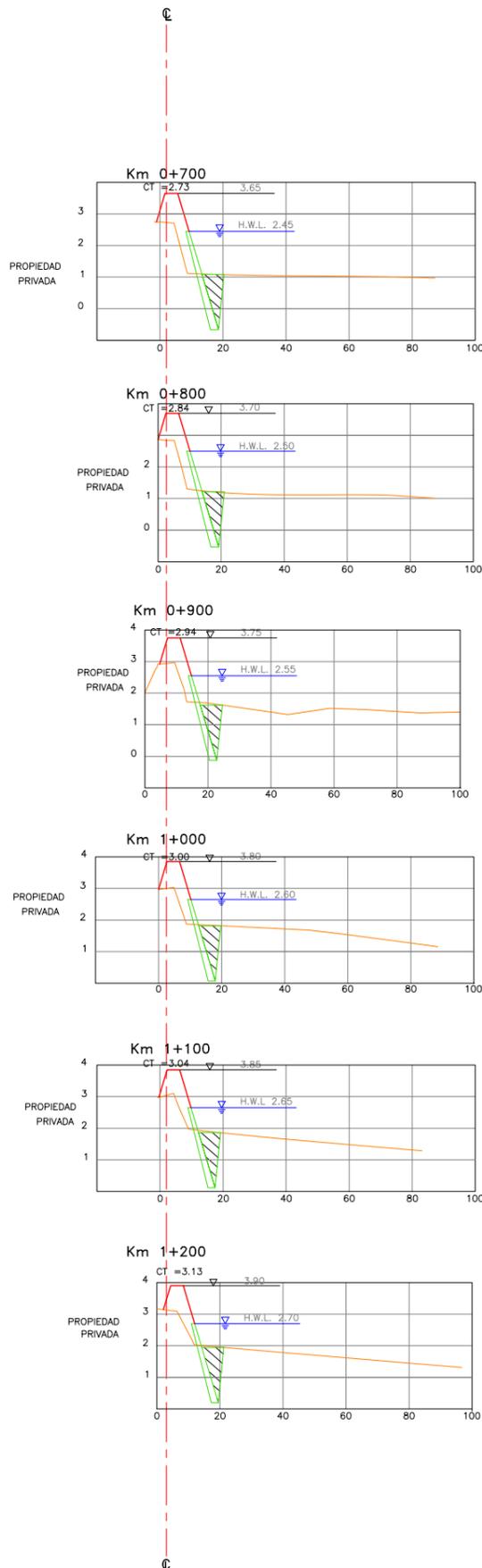
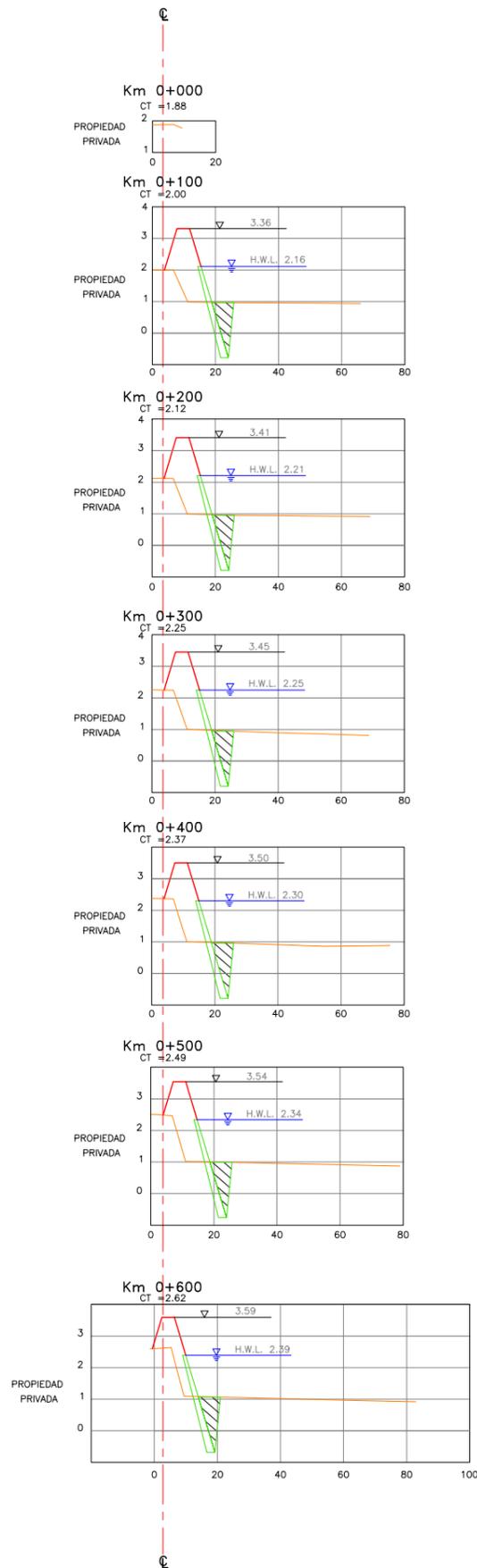
NOTA: La escala indicada, corresponde al formato A-1
Para el Formato A-3, se debe considerar el doble.



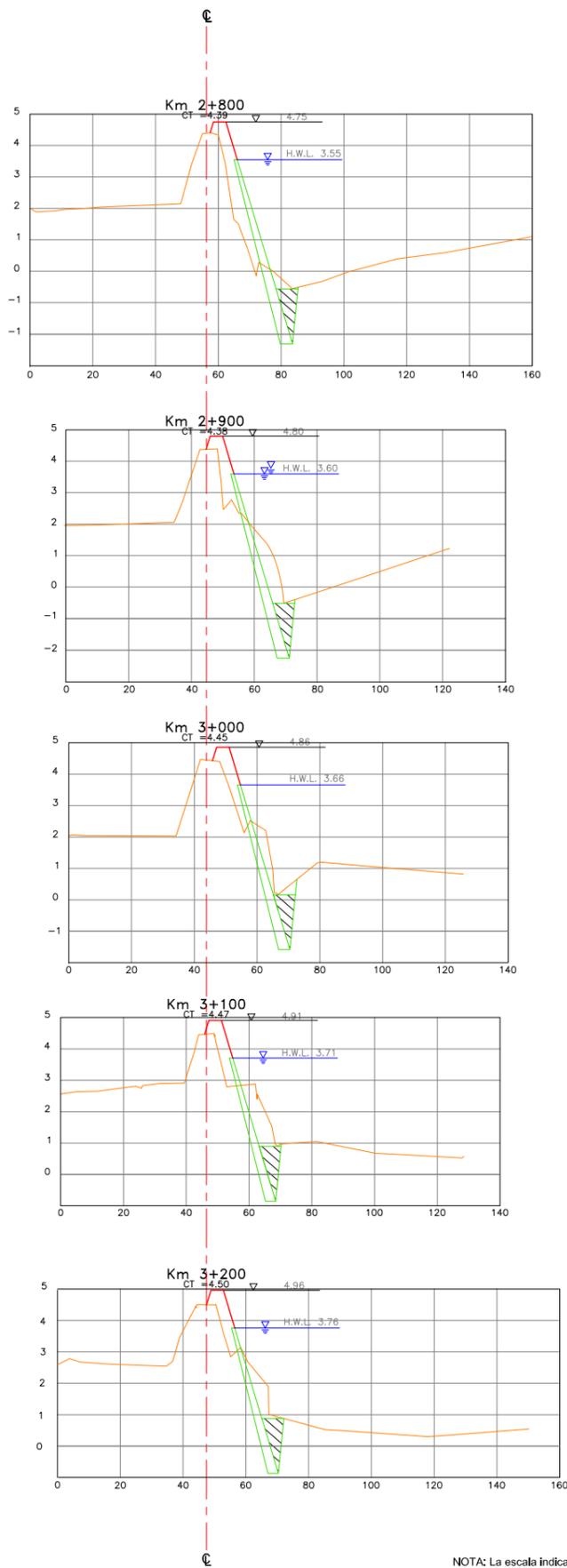
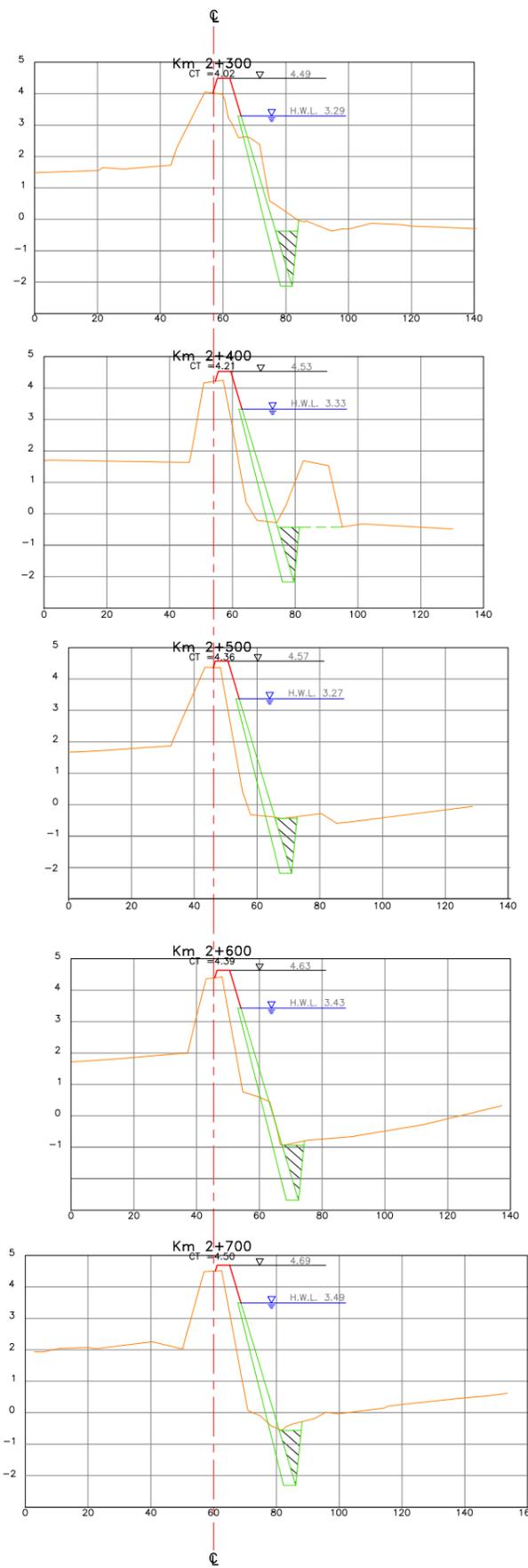
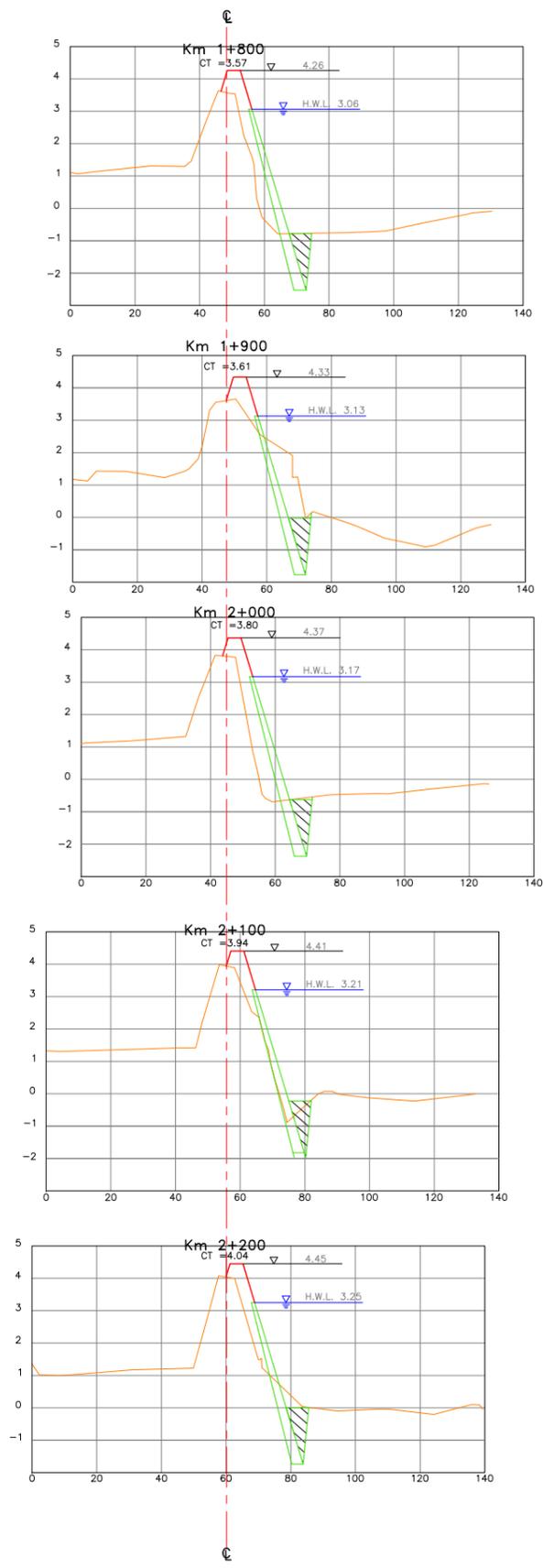
NOTE 1: "H" VALUES
 CHIRA, CAMANA, CANETE = 1.20
 PISCO = 1.00
 CHINCHA, YAUCA = 0.80

堤防標準断面図

NOTA: La escala indicada, corresponde al formato A-1
 Para el Formato A-3, se debe considerar el doble.



NOTA: La escala indicada, corresponde al formato A-1
Para el Formato A-3, se debe considerar el doble.



NOTA: La escala indicada, corresponde al formato A-1 Para el Formato A-3, se debe considerar el doble.

1:100 0 1 2 3 4 5 6 7 8 9 10

1:150 0 1 2 3 4 5 6 7 8 9 10

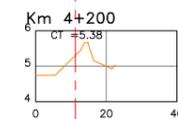
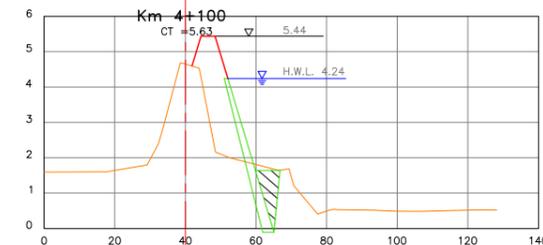
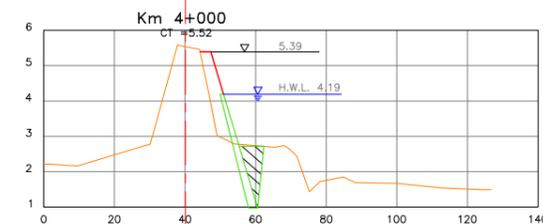
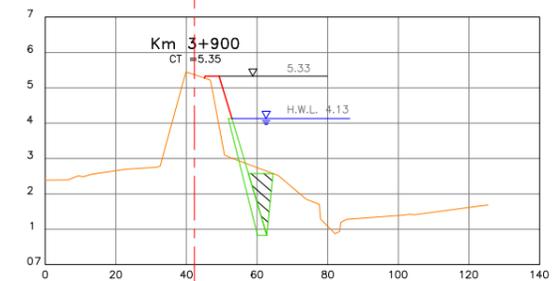
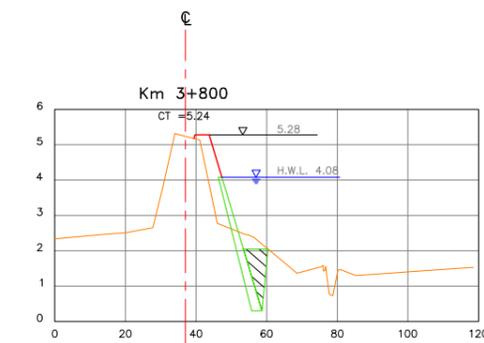
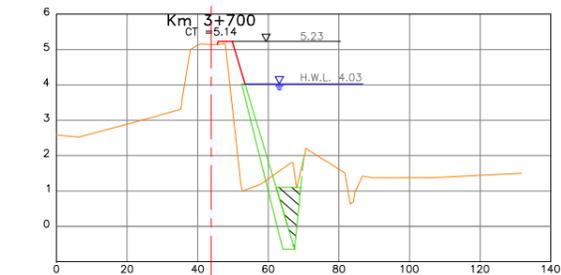
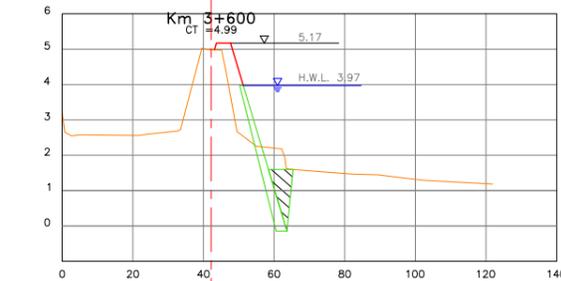
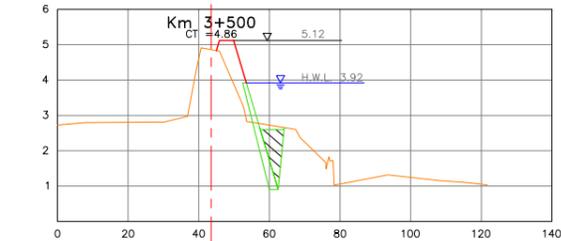
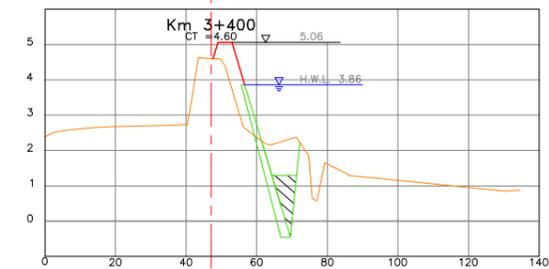
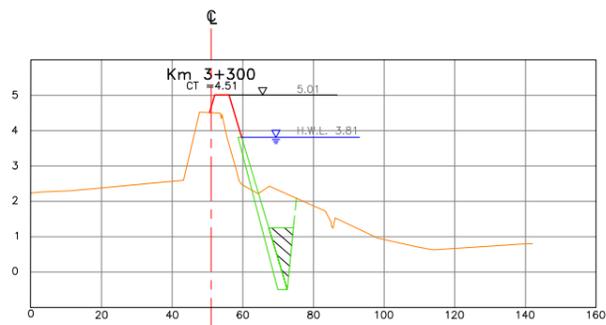
1:200 0 5 10 15

1:250 0 5 10 15 20

1:333.3 0 5 10 15 20 25 30

1:1000 0 5 10 15 20 25 30 35 40

1:750 0 10 20 30 40 50 60



NOTA: La escala indicada, corresponde al formato A-1 Para el Formato A-3, se debe considerar el doble.

1:100 0 1 2 3 4 5 6 7 8 9 10

1:150 0 1 2 3 4 5 6 7 8 9 10

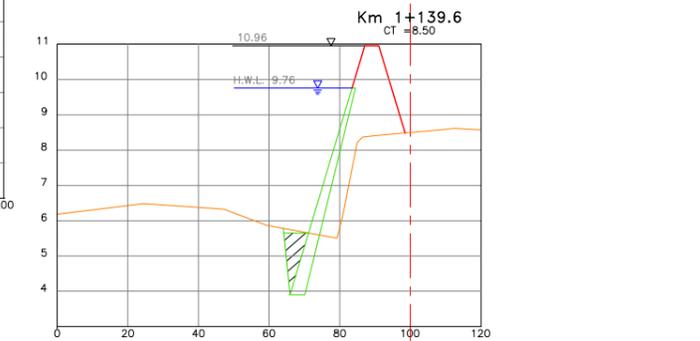
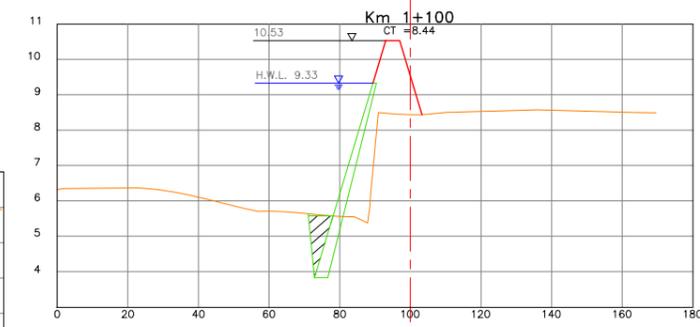
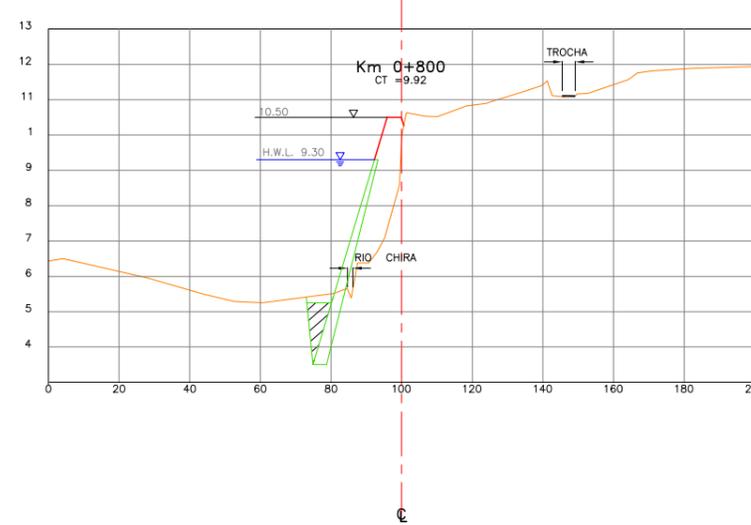
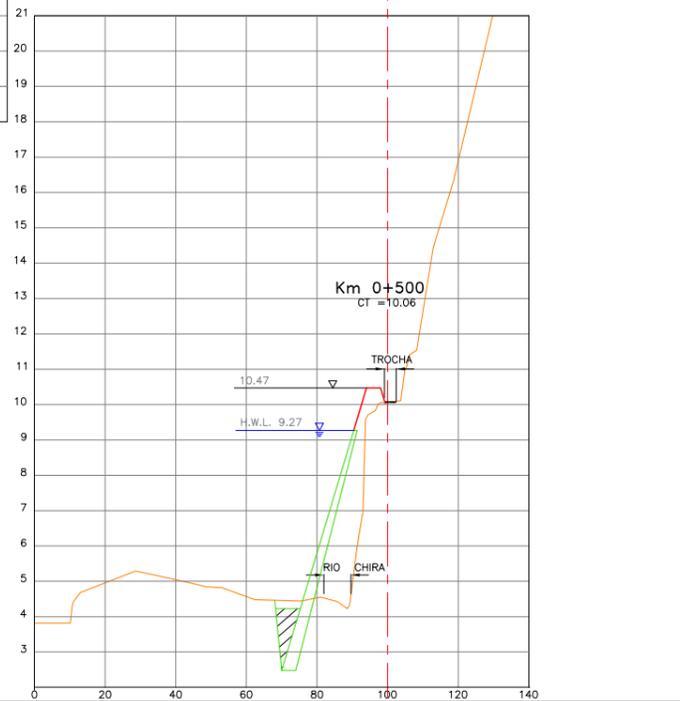
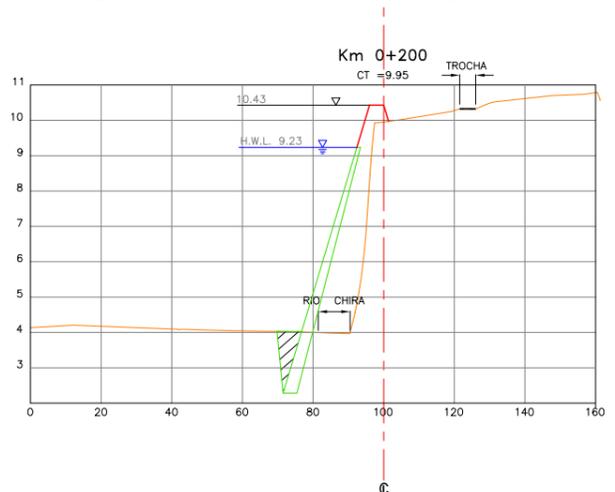
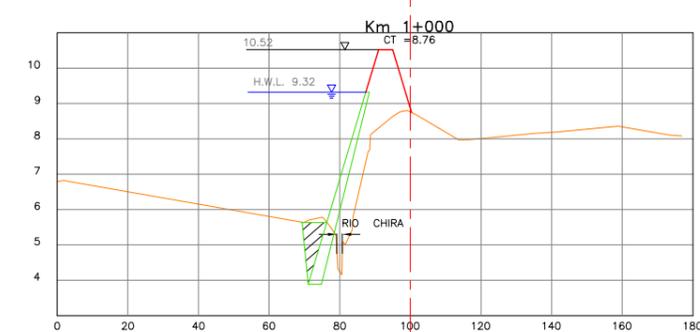
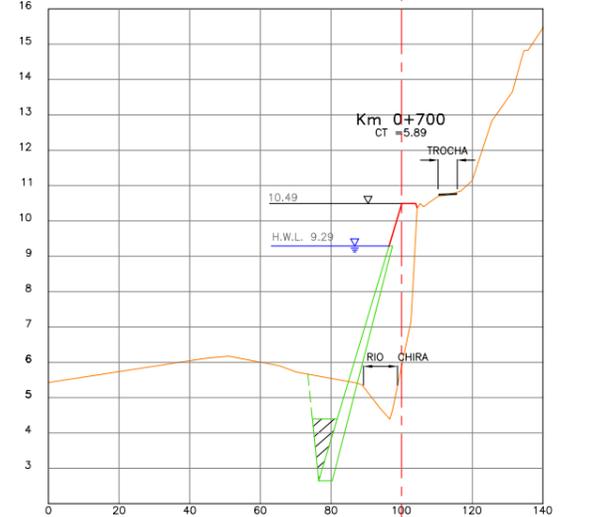
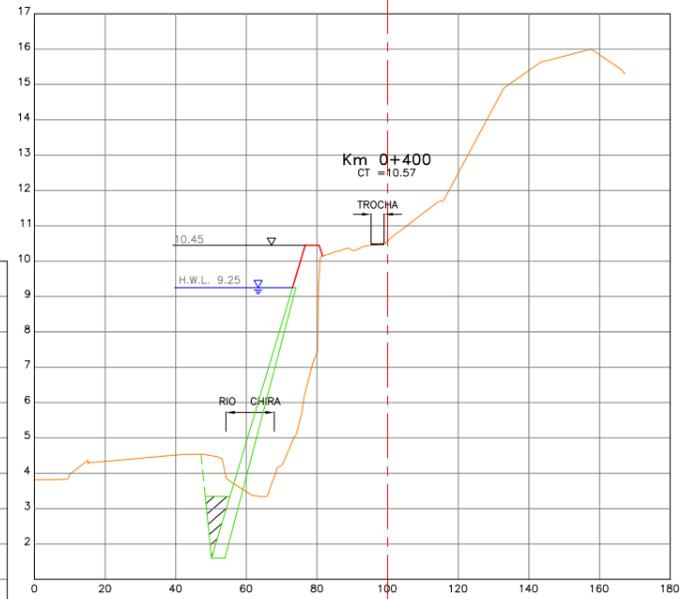
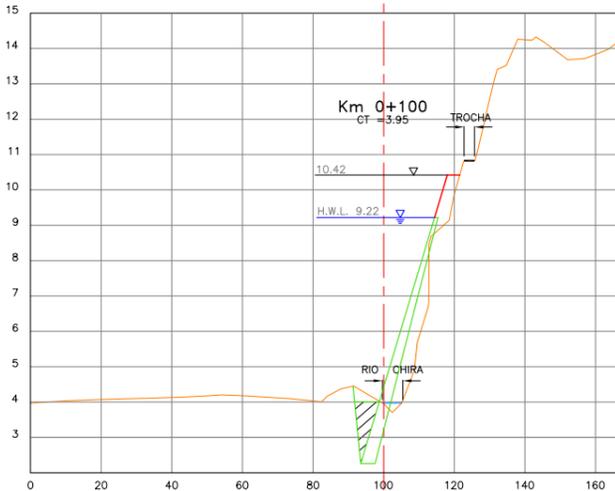
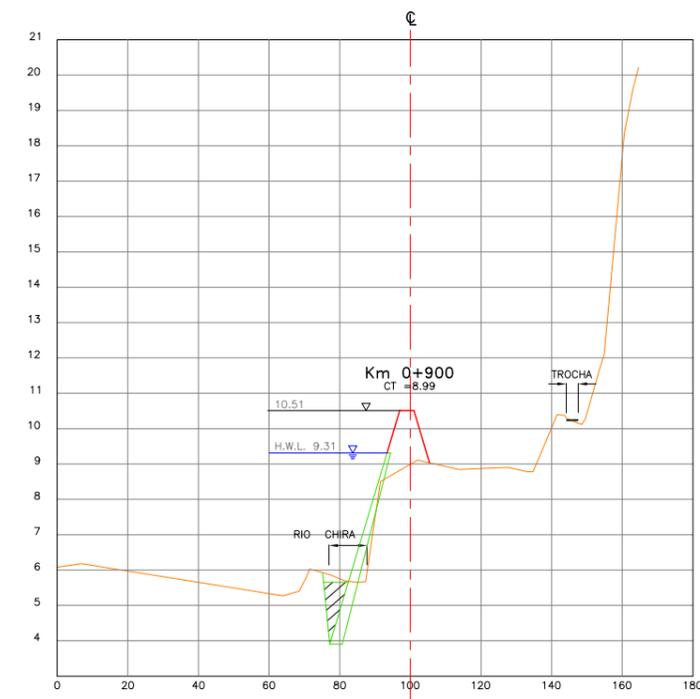
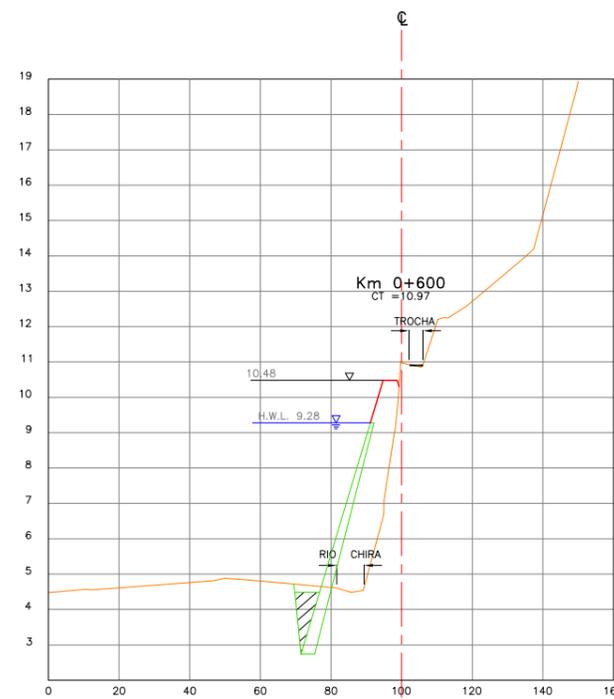
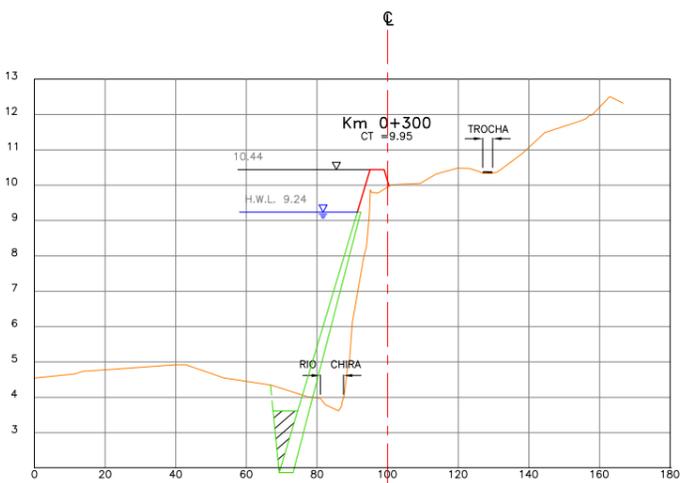
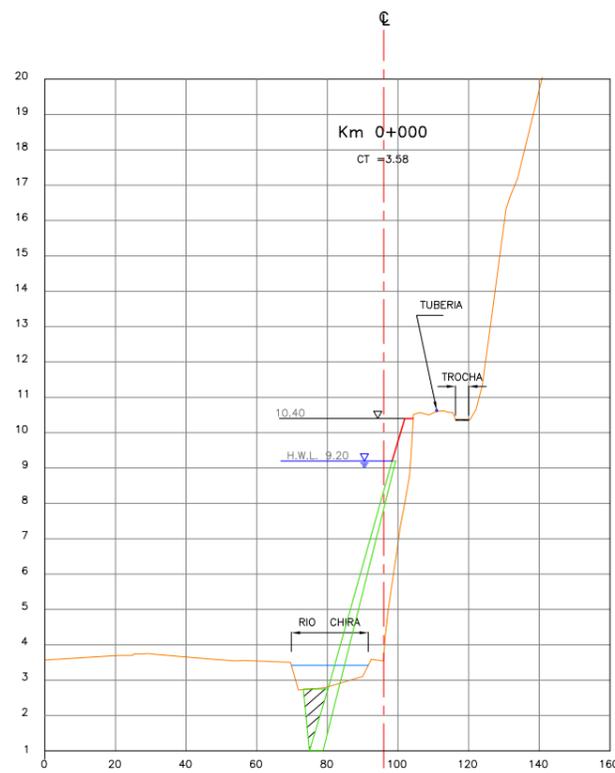
1:200 0 5 10 15

1:250 0 5 10 15 20

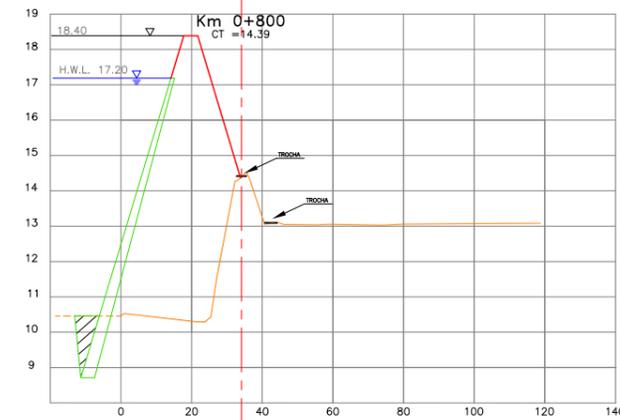
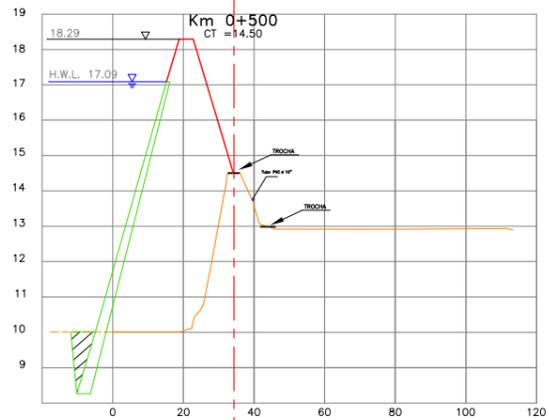
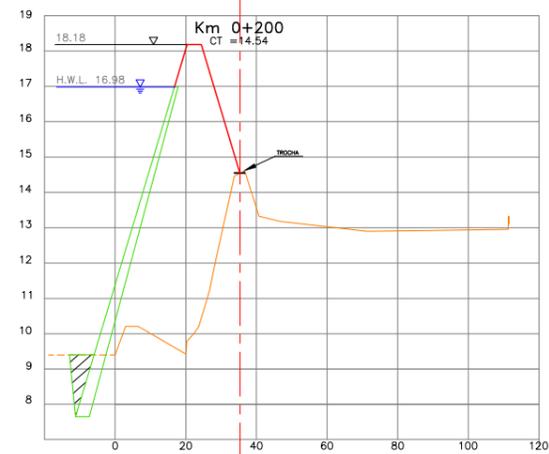
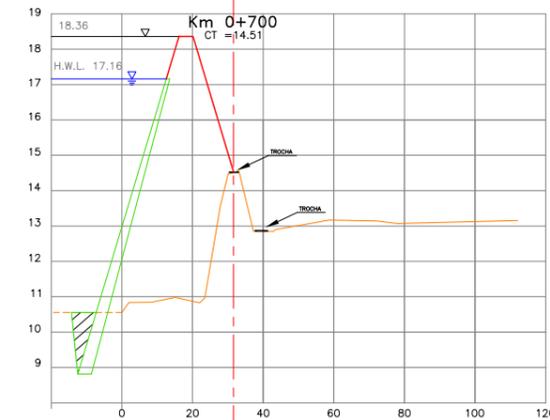
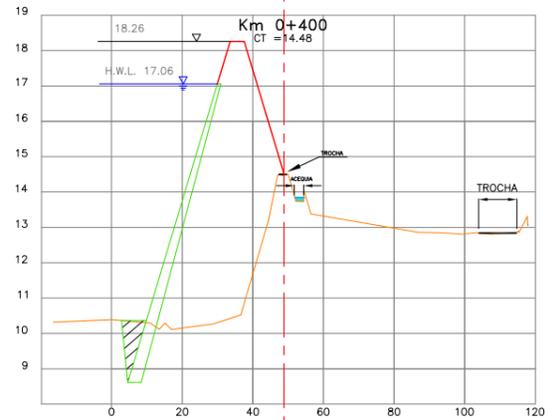
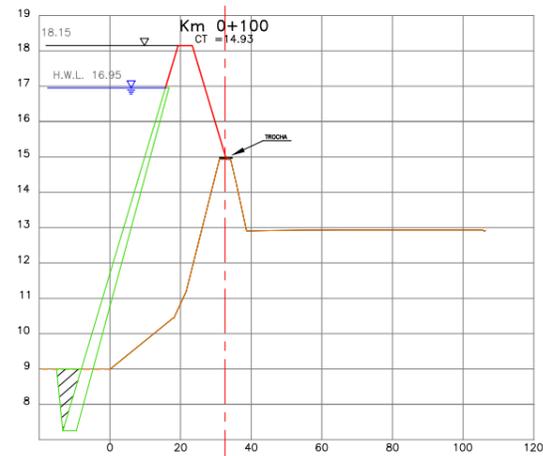
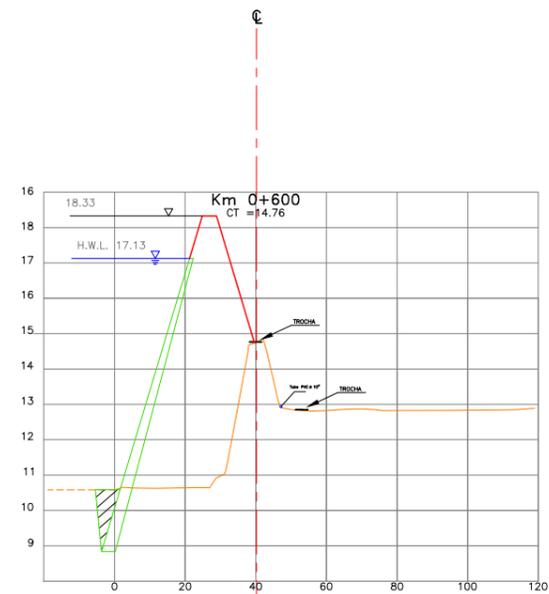
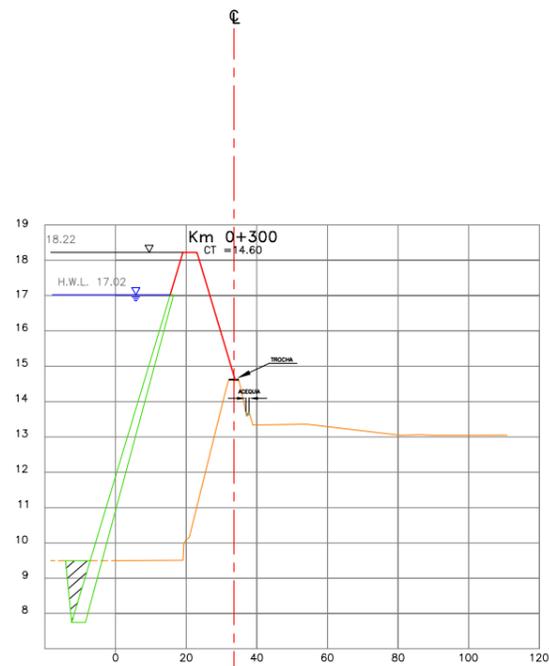
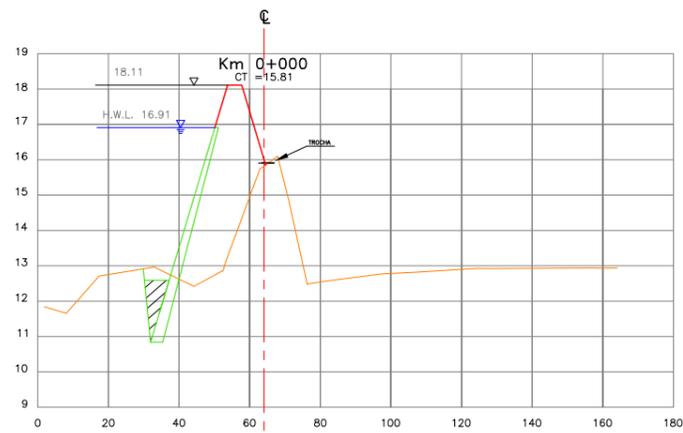
1:333.3 0 5 10 15 20 25 30

1:1000 0 5 10 15 20 25 30 35 40

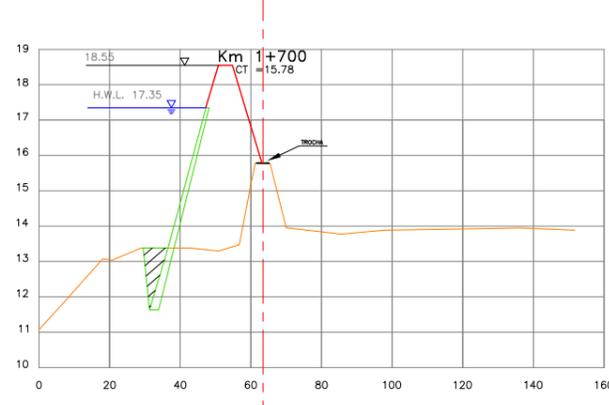
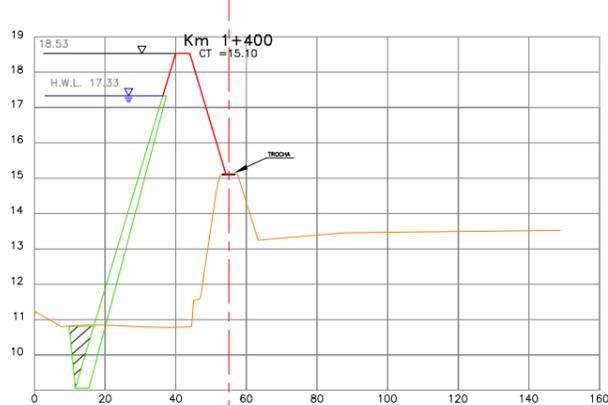
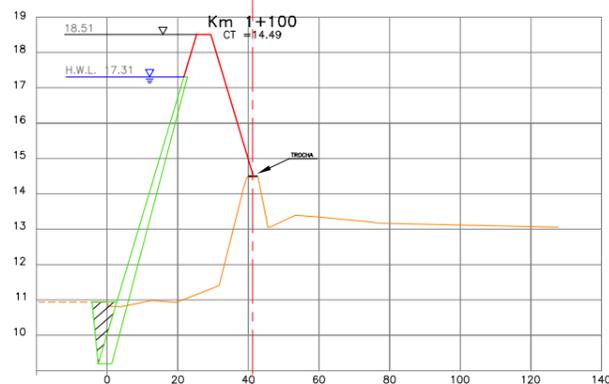
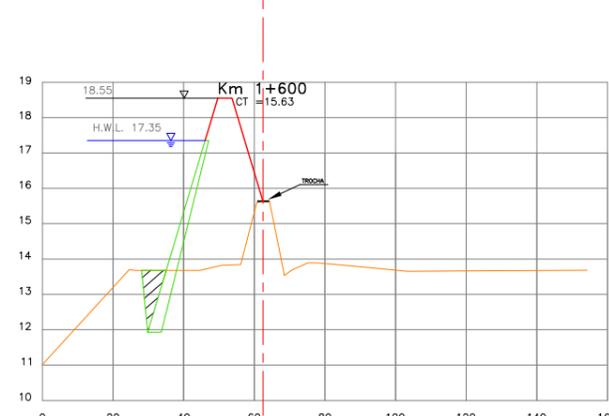
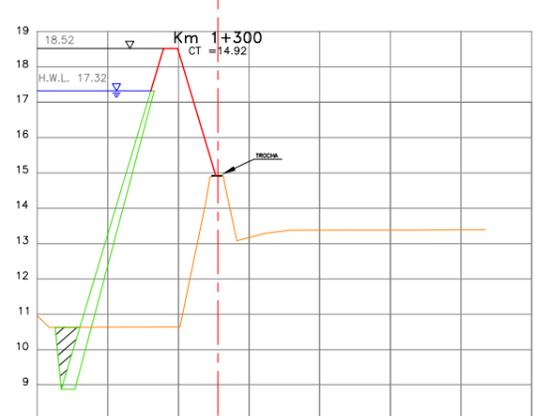
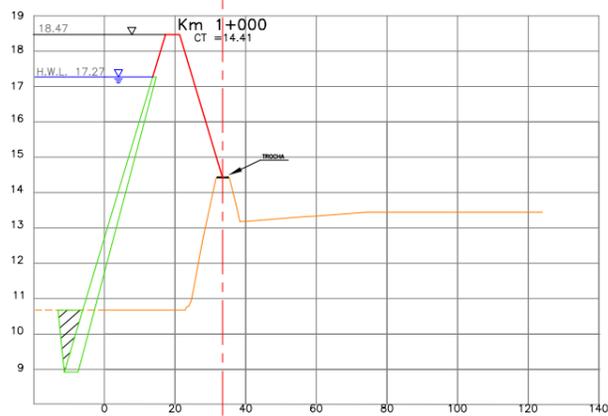
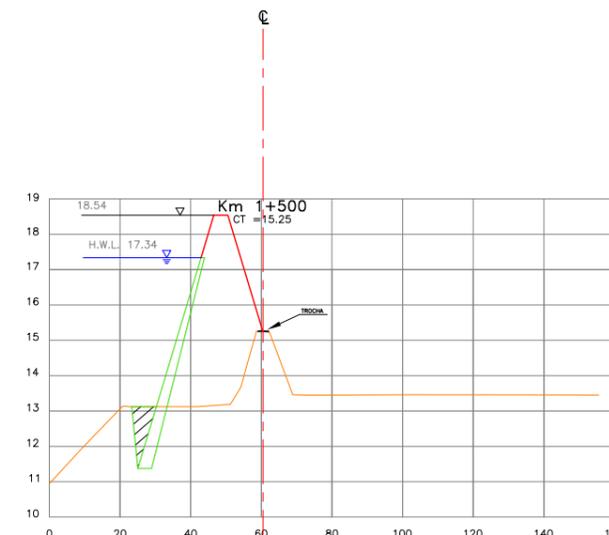
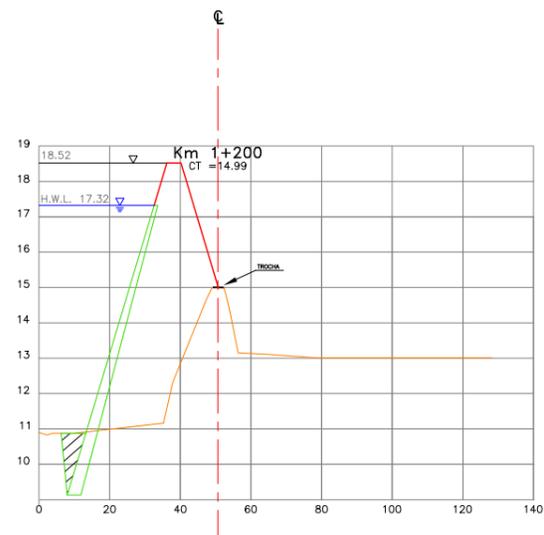
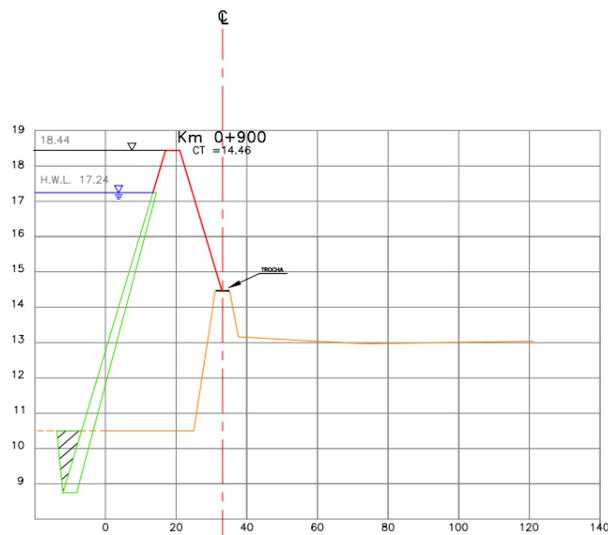
1:750 0 10 20 30 40 50 60



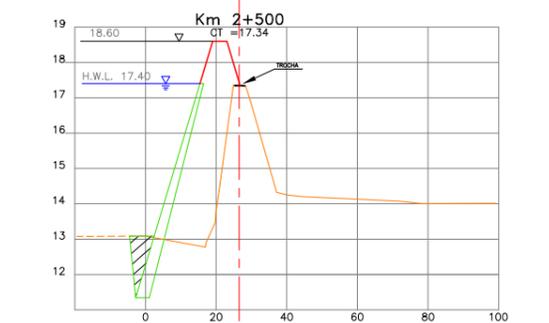
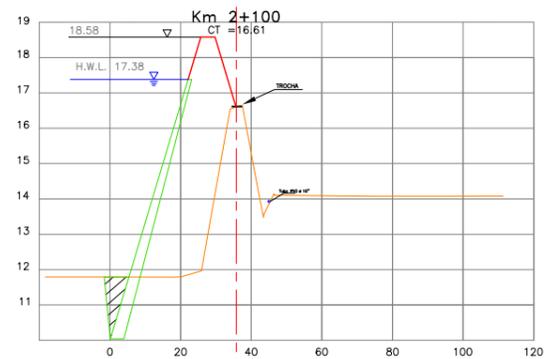
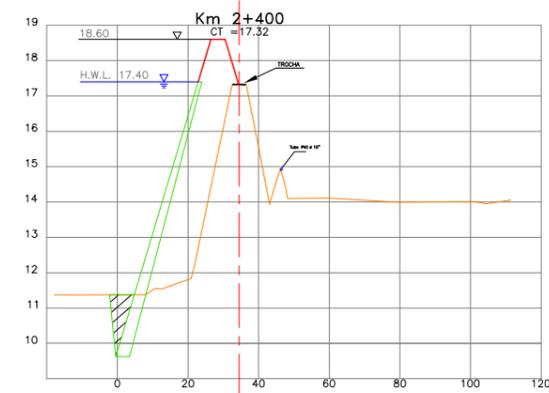
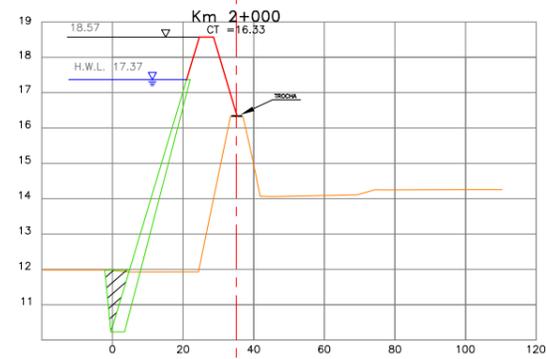
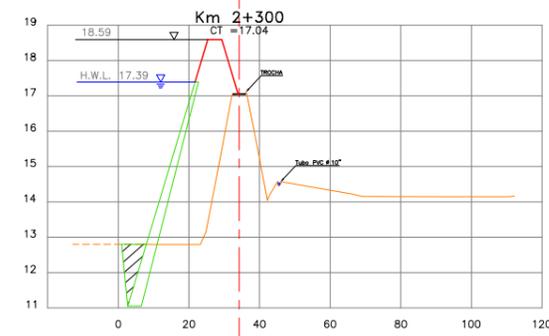
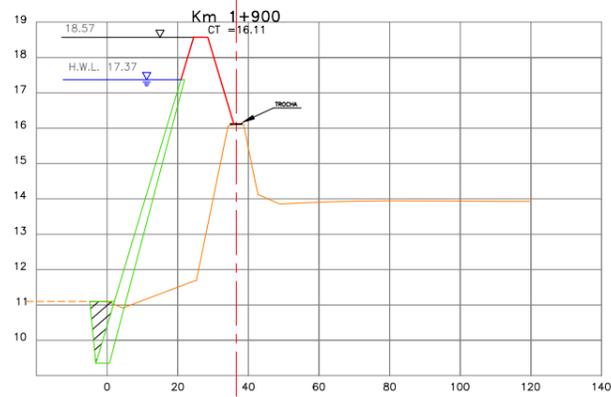
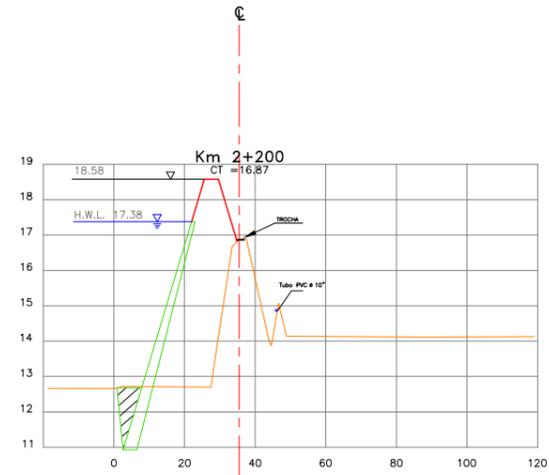
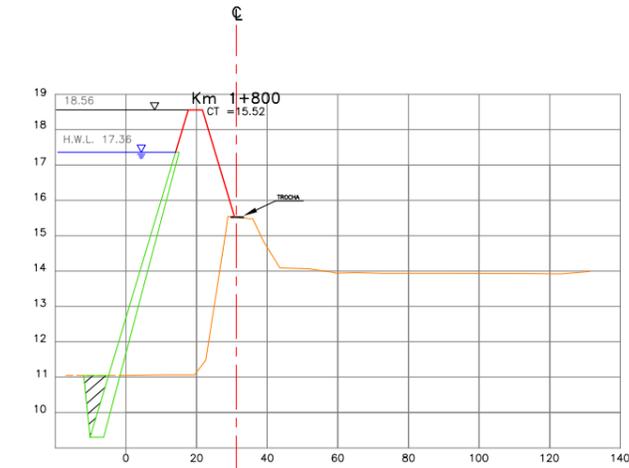
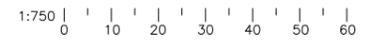
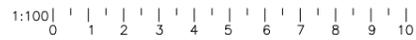
NOTA: La escala indicada, corresponde al formato A-1 Para el Formato A-3, se debe considerar el doble.



NOTA: La escala indicada, corresponde al formato A-1
Para el Formato A-3, se debe considerar el doble.



NOTA: La escala indicada, corresponde al formato A-1 Para el Formato A-3, se debe considerar el doble.



NOTA: La escala indicada, corresponde al formato A-1
Para el Formato A-3, se debe considerar el doble.

1:100 0 1 2 3 4 5 6 7 8 9 10

1:150 0 1 2 3 4 5 6 7 8 9 10

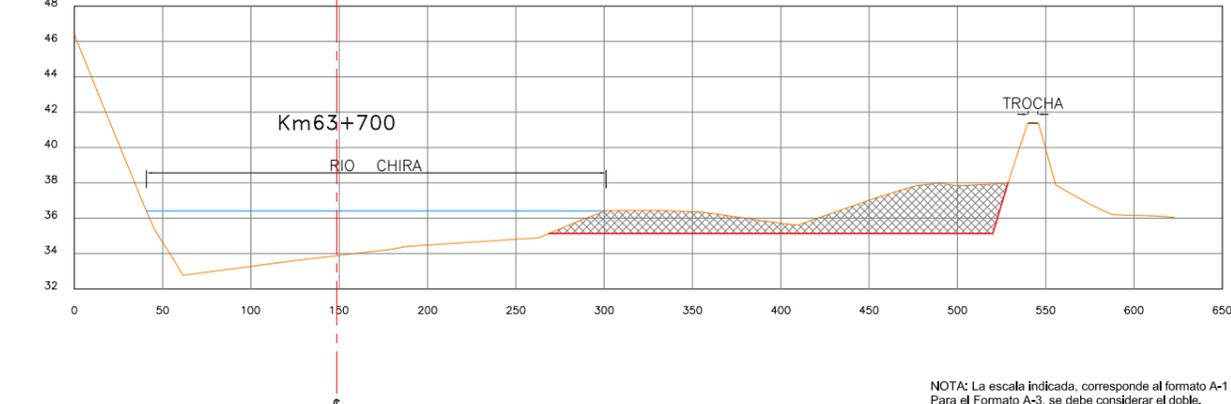
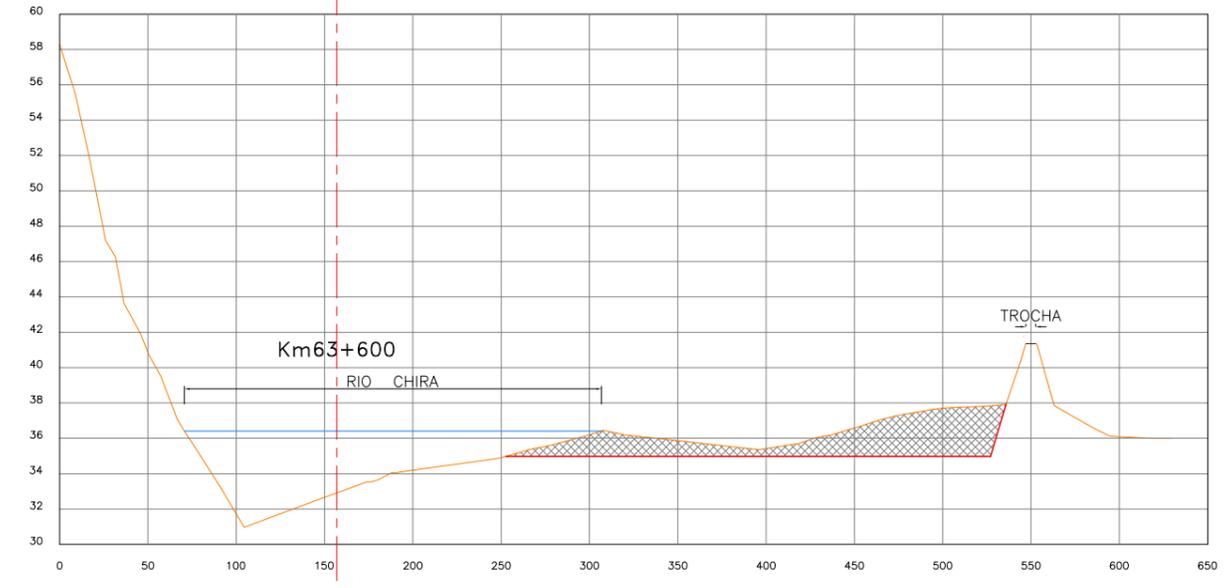
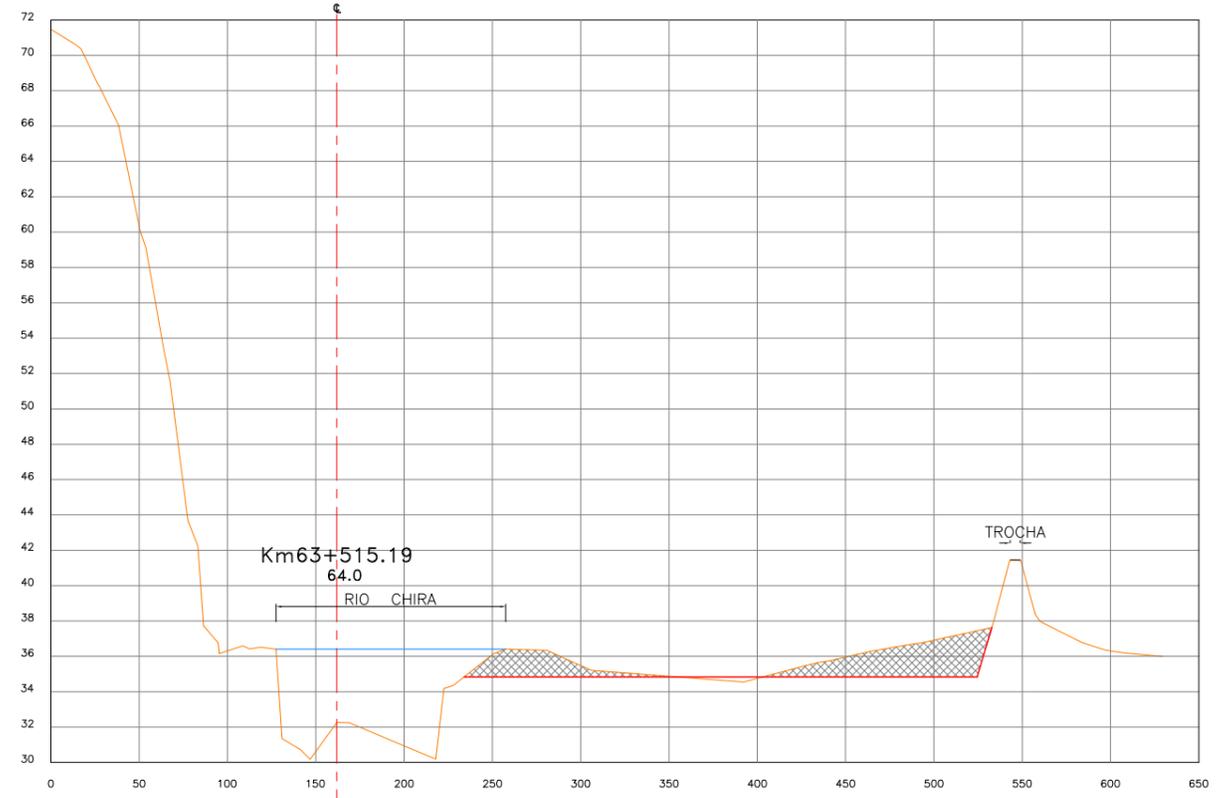
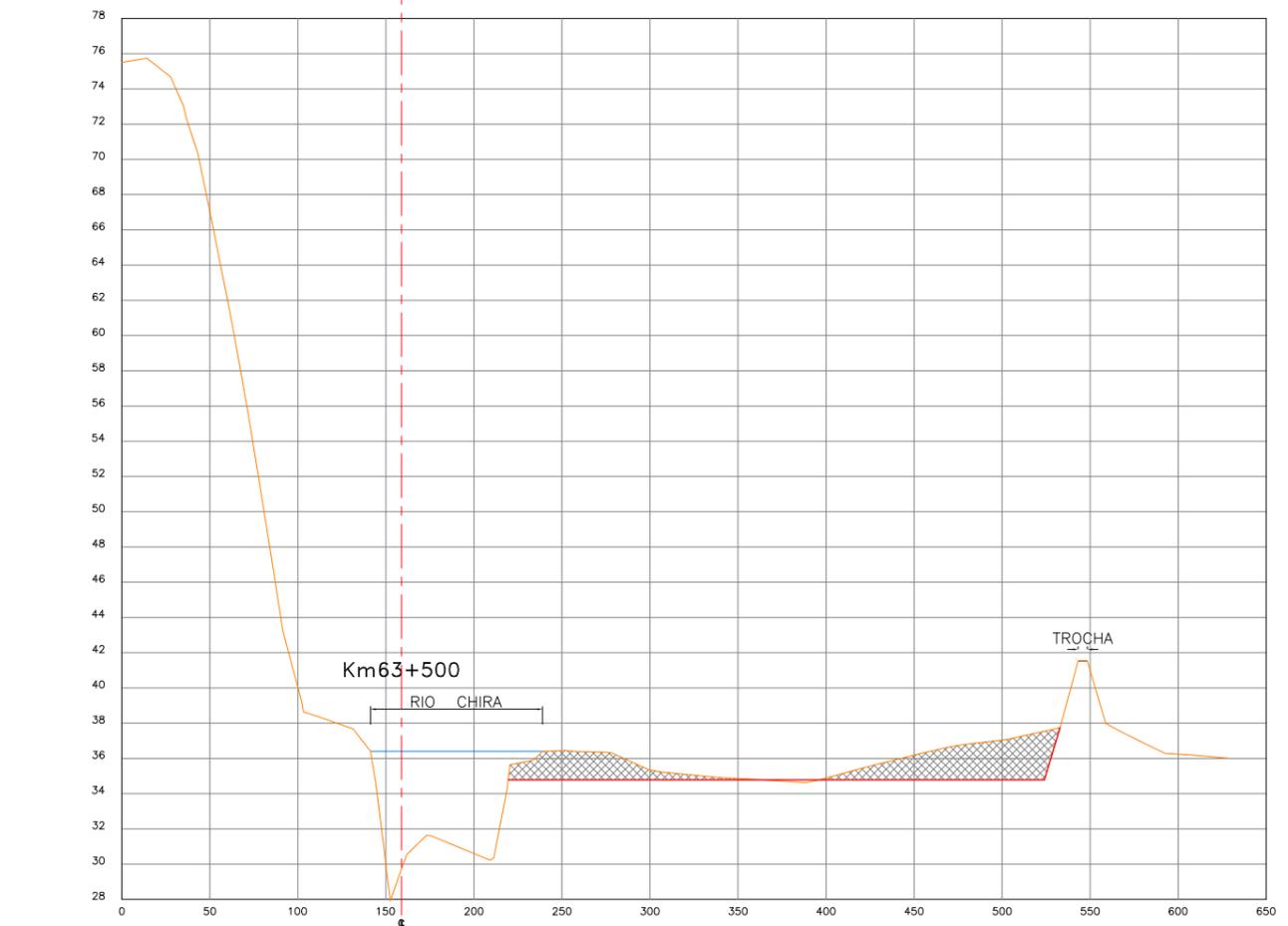
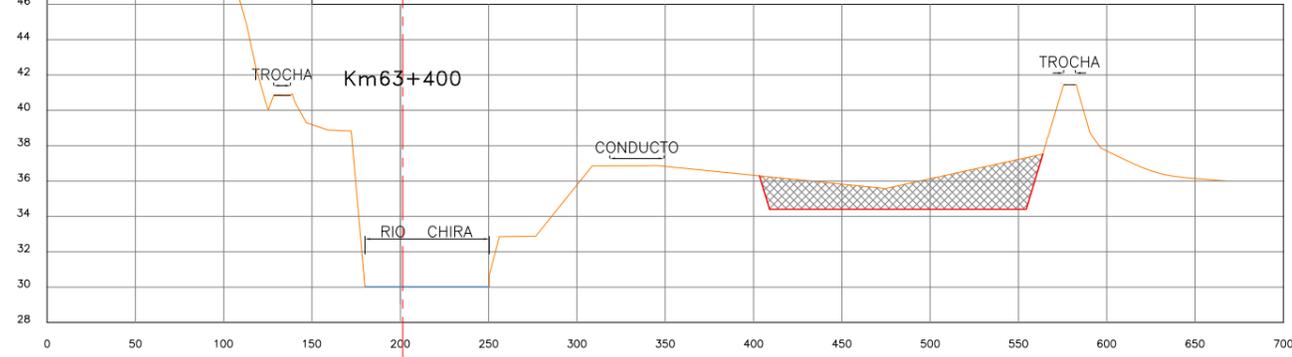
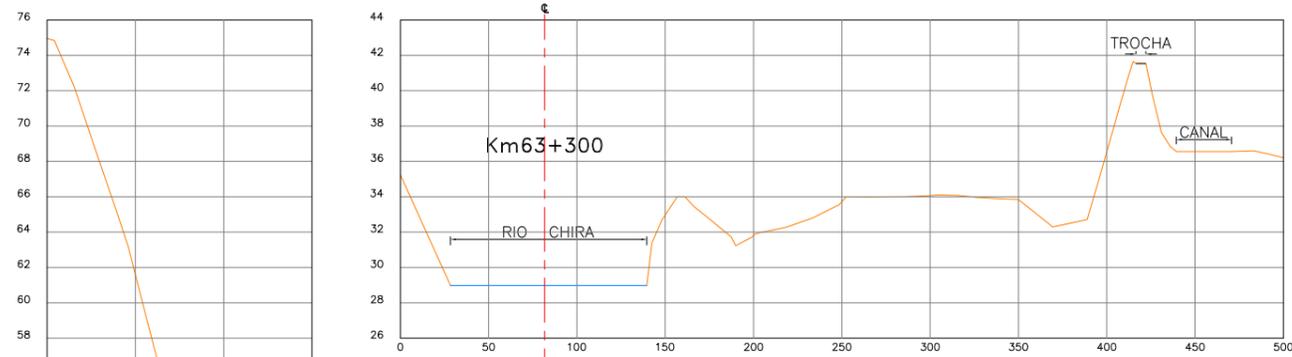
1:200 0 5 10 15

1:250 0 5 10 15 20

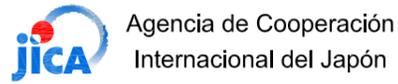
1:333.3 0 5 10 15 20 25 30

1:1000 0 5 10 15 20 25 30 35 40

1:750 0 10 20 30 40 50 60



NOTA: La escala indicada, corresponde al formato A-1 Para el Formato A-3, se debe considerar el doble.



Consultores: **Yec** Yachyo Engineering Co., Ltd.



Diseño: M.SOYA
Revisado: M.KITANO
Aprobado: Y.NAKAGAWA
Revisión: REV_3

Proyecto: PROGRAMA DE PROTECCIÓN DE VALLES Y POBLACIONES RURALES VULNERABLES ANTE INUNDACIONES EN LA REPÚBLICA DEL PERÚ

Plano: **RIO CHIRA: CHIRA-4 SECCIONES TRANSVERSALES KM. 63+300 - KM. 63+700**

ESCALA: INDICADA
FECHA: MARZO-2013
CÓDIGO: **CHIRA-4-ST-01**

1:100 0 1 2 3 4 5 6 7 8 9 10

1:150 0 1 2 3 4 5 6 7 8 9 10

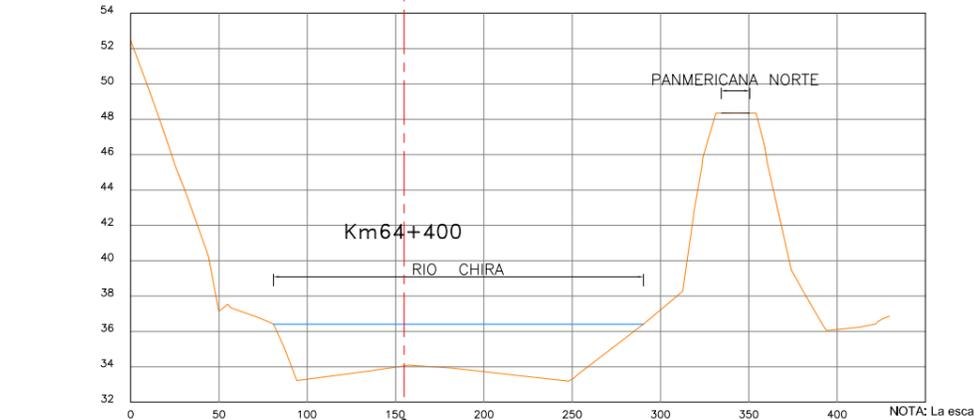
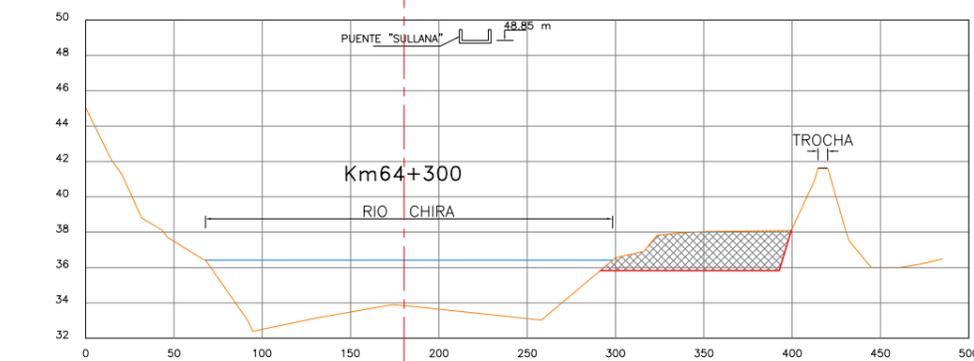
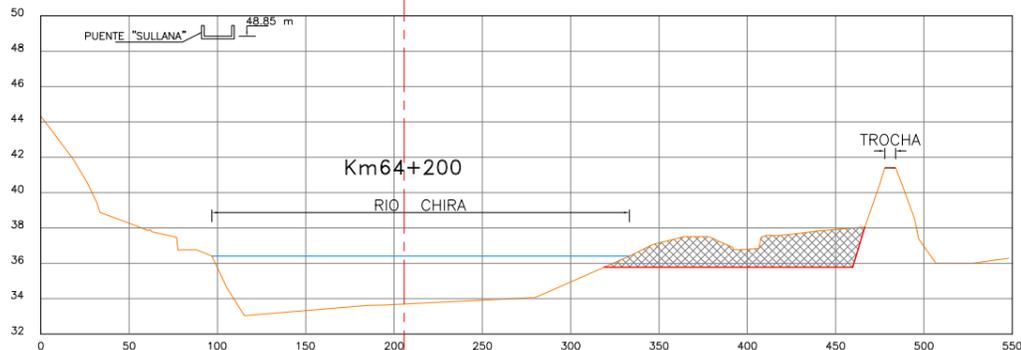
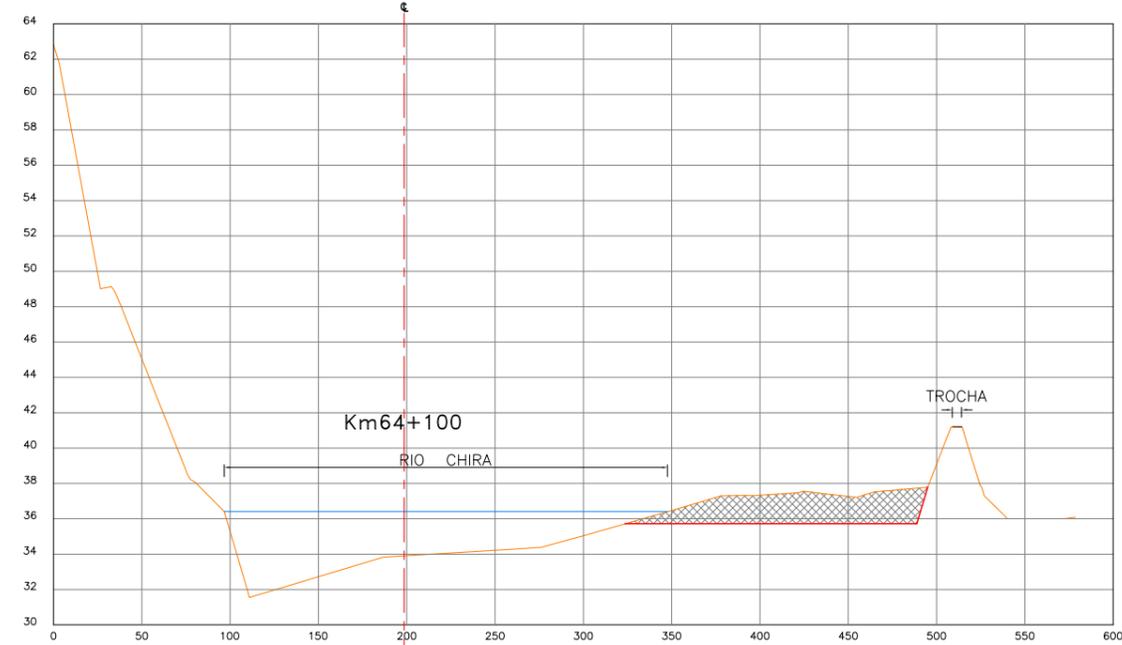
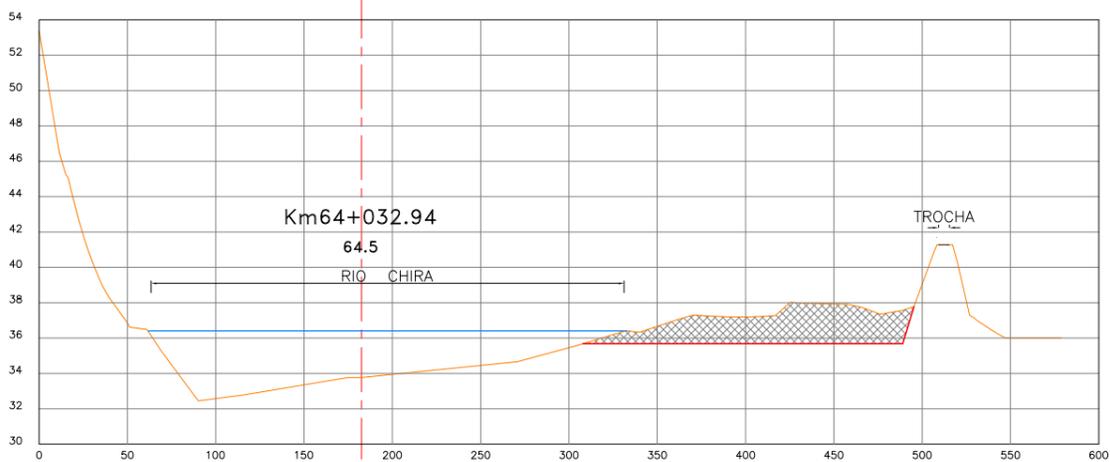
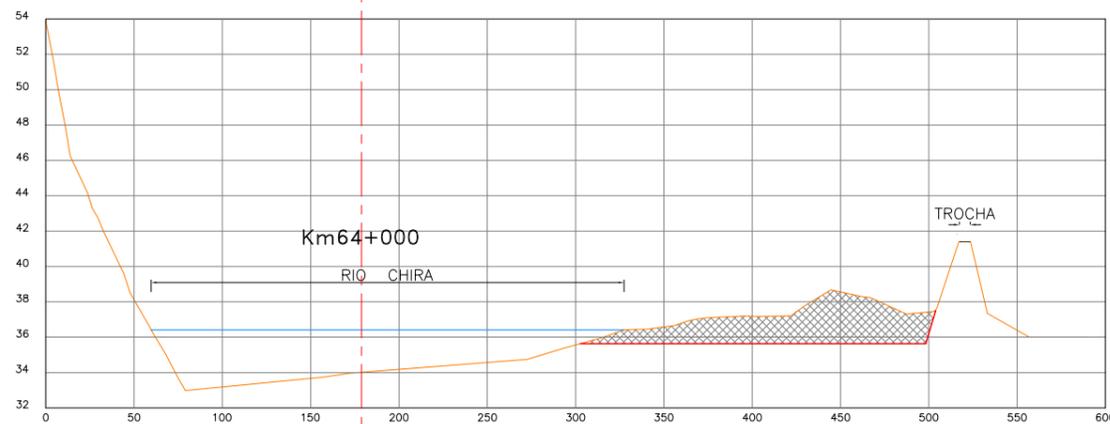
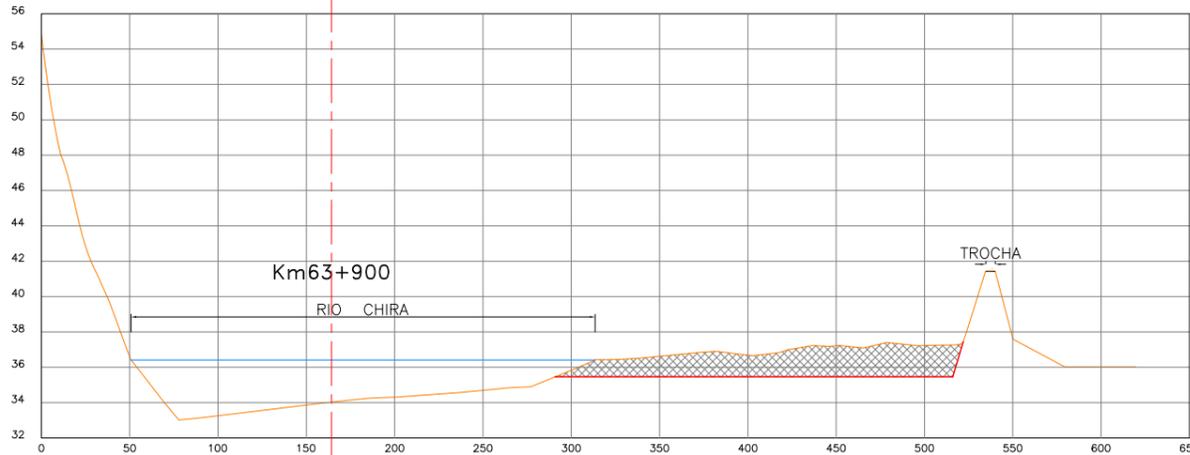
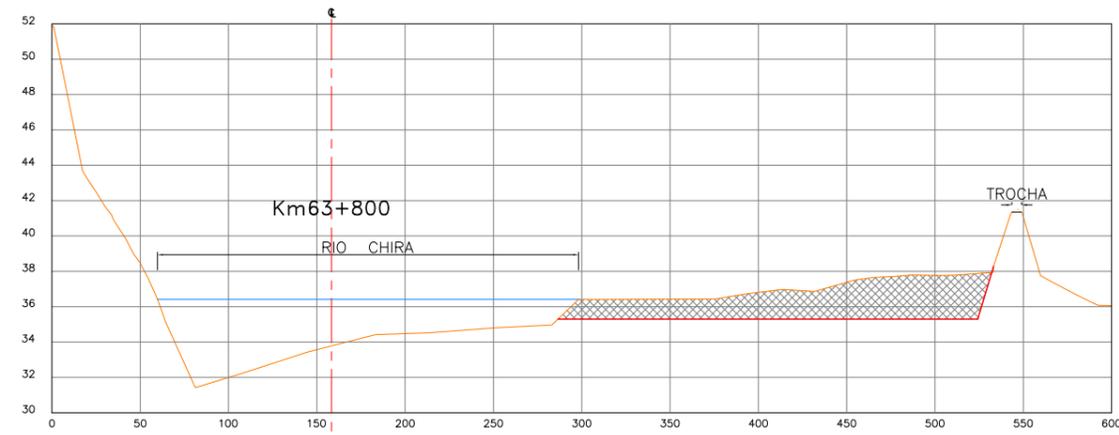
1:200 0 5 10 15

1:250 0 5 10 15 20

1:333.3 0 5 10 15 20 25 30

1:1000 0 5 10 15 20 25 30 35 40

1:750 0 10 20 30 40 50 60



NOTA: La escala indicada, corresponde al formato A-1 Para el Formato A-3, se debe considerar el doble.

1:100 0 1 2 3 4 5 6 7 8 9 10

1:150 0 1 2 3 4 5 6 7 8 9 10

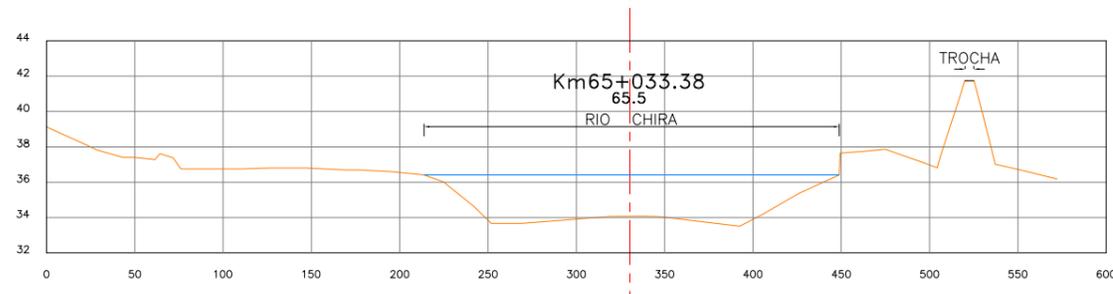
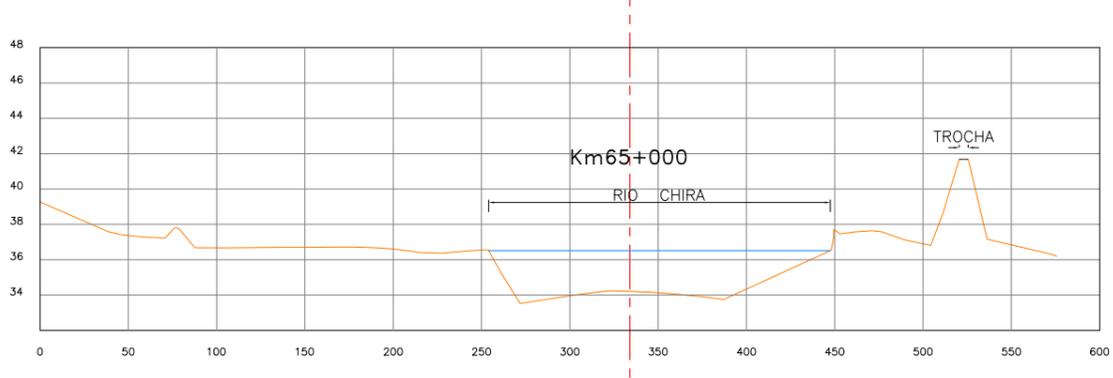
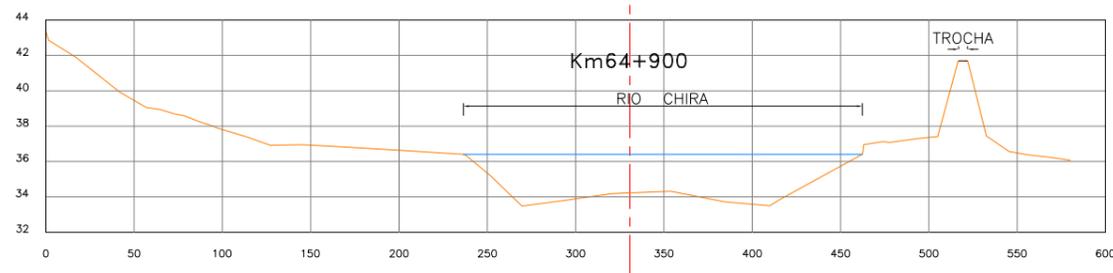
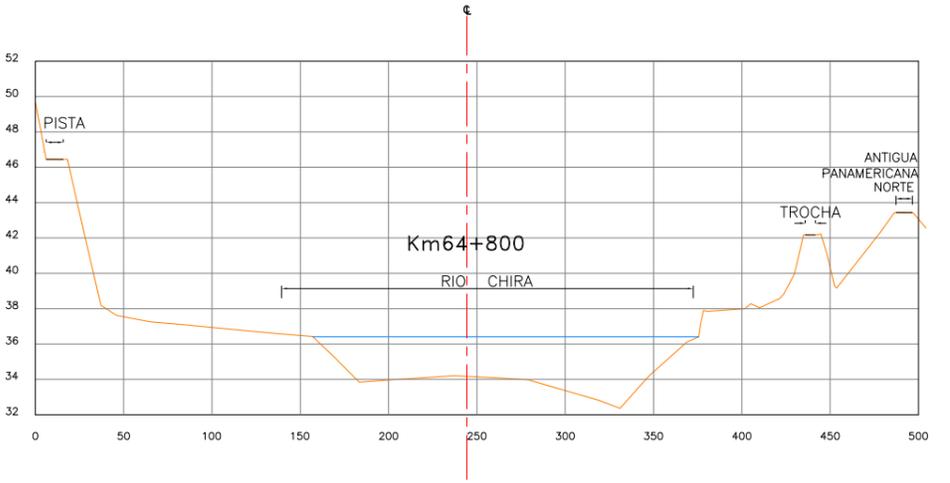
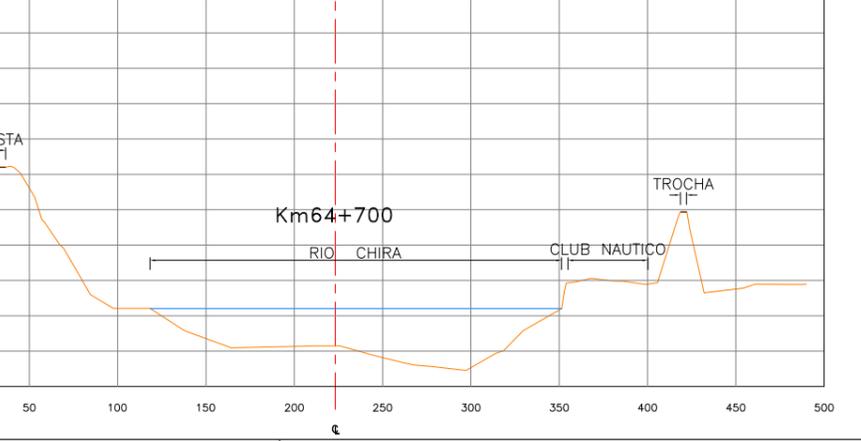
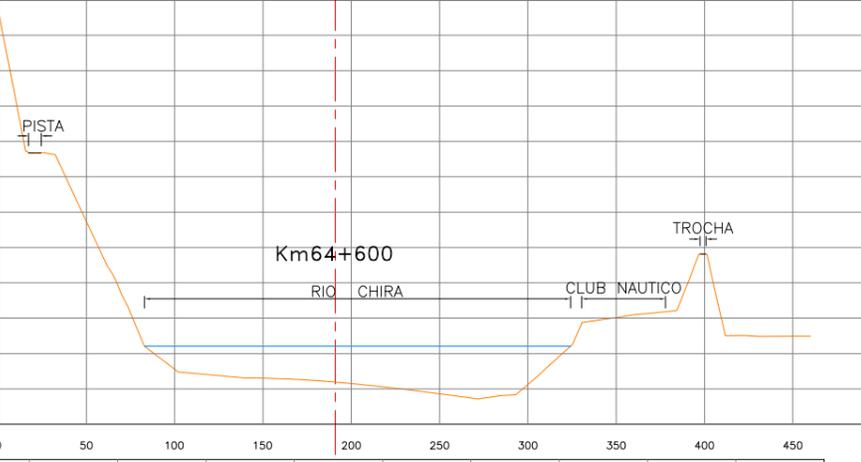
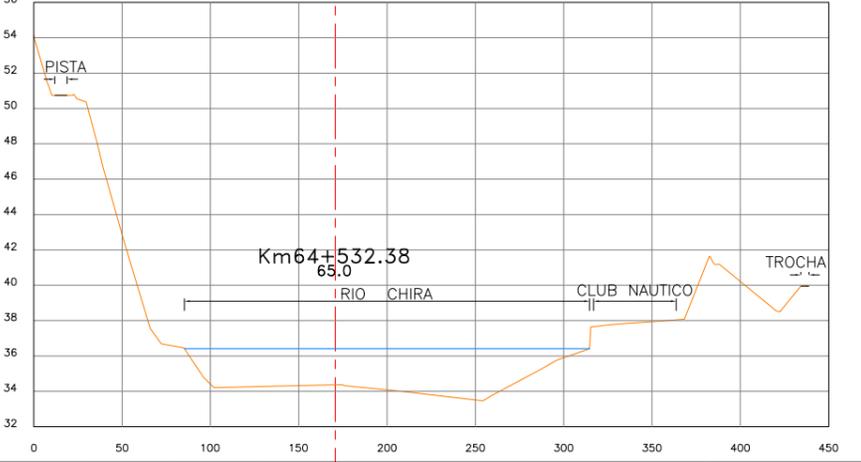
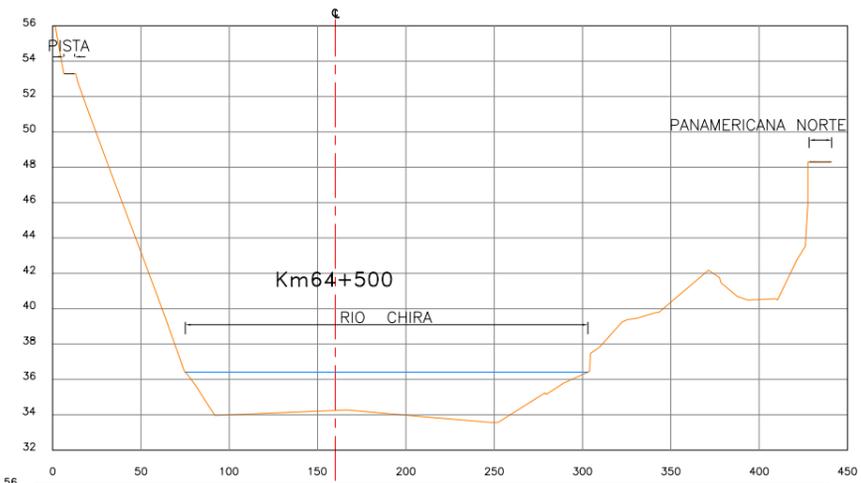
1:200 0 5 10 15

1:250 0 5 10 15 20

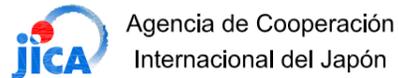
1:333.3 0 5 10 15 20 25 30

1:1000 0 5 10 15 20 25 30 35 40

1:750 0 10 20 30 40 50 60



NOTA: La escala indicada, corresponde al formato A-1 Para el Formato A-3, se debe considerar el doble.



Consultores: **Yeo** Yachyo Engineering Co., Ltd.



LATIN AMERICA - CARIBBEAN **NIPPON KOEI LAC CO., LTD.** Consulting Engineers

Diseño: M.SOYA
 Revisado: M.KITANO
 Aprobado: Y.NAKAGAWA
 Revisión: REV_3

Proyecto: PROGRAMA DE PROTECCIÓN DE VALLES Y POBLACIONES RURALES VULNERABLES ANTE INUNDACIONES EN LA REPÚBLICA DEL PERÚ

Plano: **RIO CHIRA: CHIRA-4 SECCIONES TRANSVERSALES KM. 64+500 - KM. 65+033.89**

ESCALA: INDICADA
 FECHA: MARZO-2013
 CÓDIGO: **CHIRA-4-ST-03**

