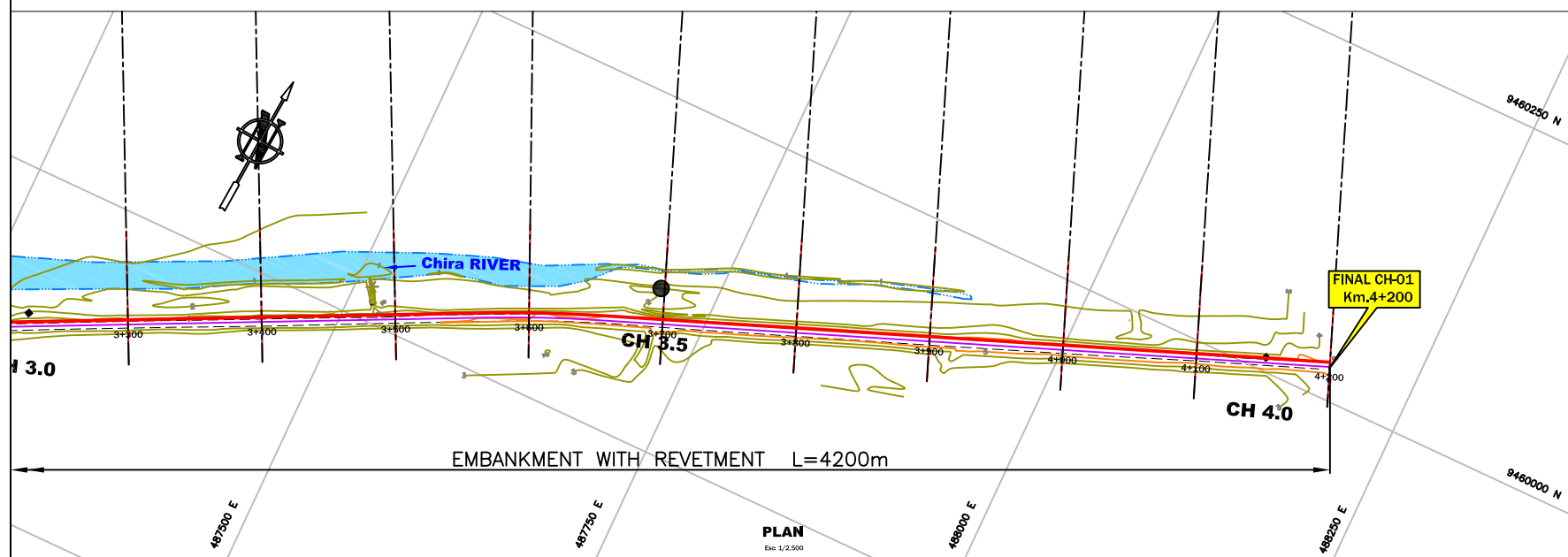
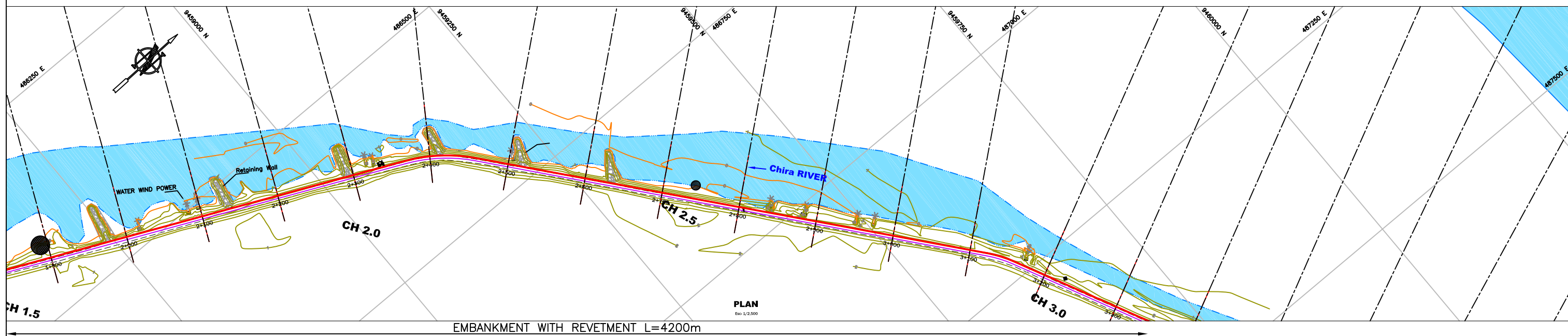
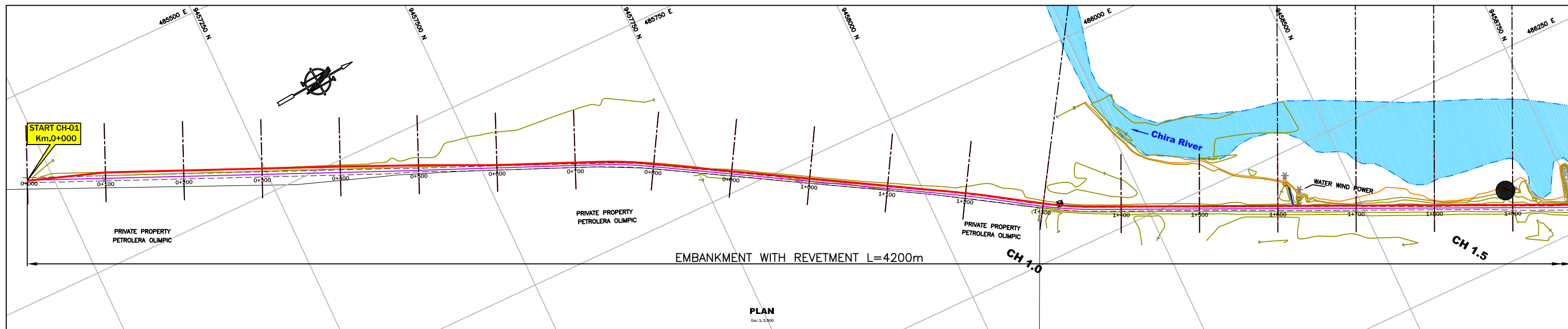


II. Not selected basins

5. Chira River

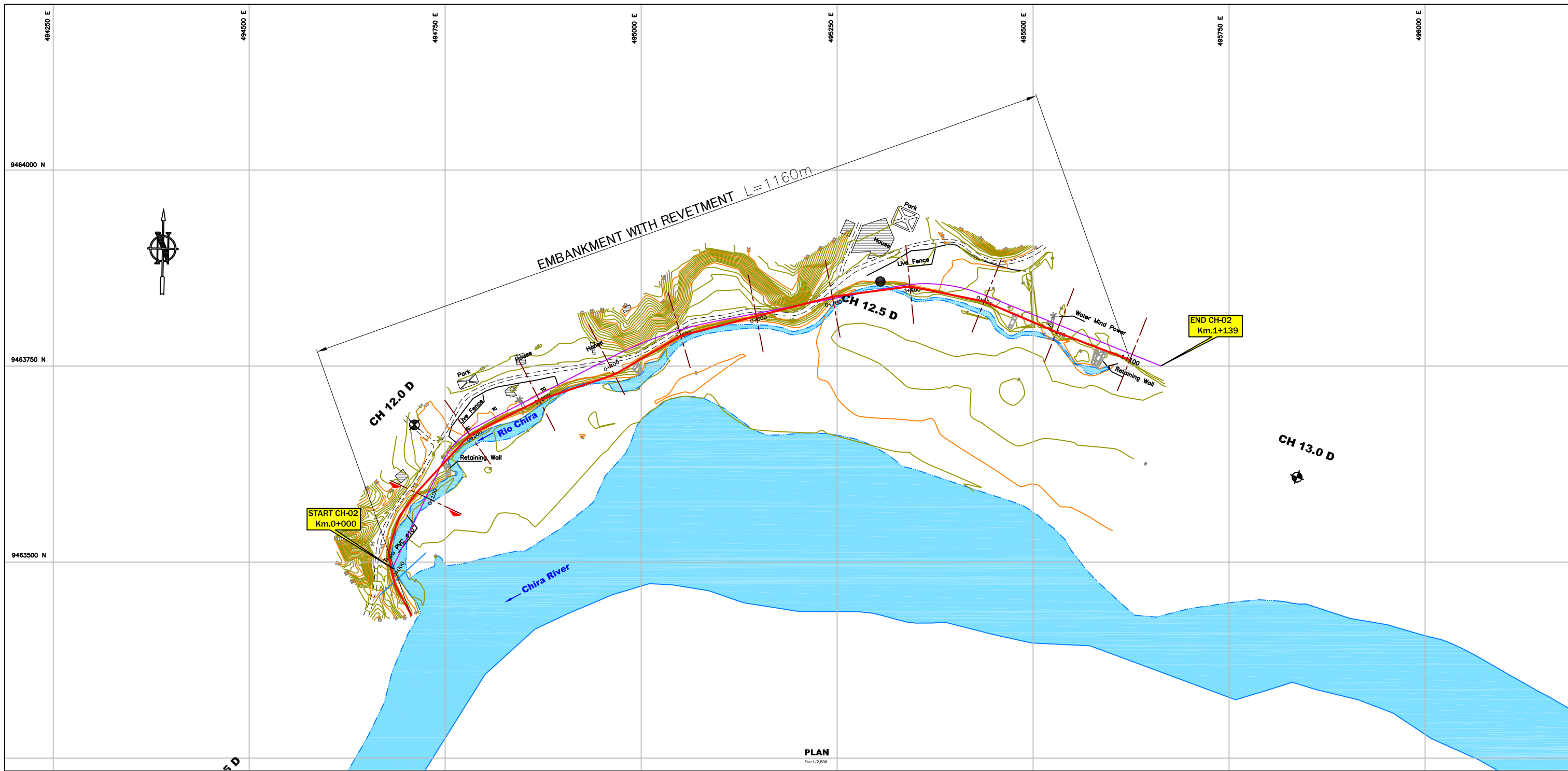
Index of Drawings

Name of river : Rio Chira				
No.	Drawing name			
1.	Rio Chira	CHIRA-1	Ground Plan	Km.0+000~Km.4+200
2.	Rio Chira	CHIRA-2	Ground Plan	
3.	Rio Chira	CHIRA-3	Ground Plan	
4.	Rio Chira	CHIRA-4	Ground Plan	Km.64+000~Km.64+300
5.	Rio Chira	CHIRA-4	Ground Plan	Km.64+400~Km.64+500
6.	Rio Chira	CHIRA-1	Longitudinal Section Profile	Km.0+000~Km.1+500
7.	Rio Chira	CHIRA-1	Longitudinal Section Profile	Km.1+500~Km.3+000
8.	Rio Chira	CHIRA-1	Longitudinal Section Profile	Km.3+000~Km.4+200
9.	Rio Chira	CHIRA-2	Longitudinal Section Profile	
10.	Rio Chira	CHIRA-3	Longitudinal Section Profile (1/2)	
11.	Rio Chira	CHIRA-3	Longitudinal Section Profile (2/2)	
12.	Rio Chira	CHIRA	Embankment Typical Cross Section	
13.	Rio Chira	CHIRA-1	Cross Section	Km.0+000~Km.1+700
14.	Rio Chira	CHIRA-1	Cross Section	Km.0+800~Km.3+200
15.	Rio Chira	CHIRA-1	Cross Section	Km.3+300~Km.4+200
16.	Rio Chira	CHIRA-2	Cross Section	Km.0+000~Km.1+139.6
17.	Rio Chira	CHIRA-3	Cross Section	Km.0+000~Km.0+800
18.	Rio Chira	CHIRA-3	Cross Section	Km.0+900~Km.1+700
19.	Rio Chira	CHIRA-3	Cross Section	Km.1+800~Km.2+500
20.	Rio Chira	CHIRA-4	Cross Section	Km.63+300~Km.63+700
21.	Rio Chira	CHIRA-4	Cross Section	Km.63+800~Km.64+400
22.	Rio Chira	CHIRA-4	Cross Section	Km.63+500~Km.65+033.89



LEGEND	
	MAJOR CONTOUR
	SECONDARY CONTOUR
	RIVER
	SECTION AXIS
	RETAINING WALLS
	PROPERTIES
	TOPOGRAPHIC AXIS
	DIRT ROAD

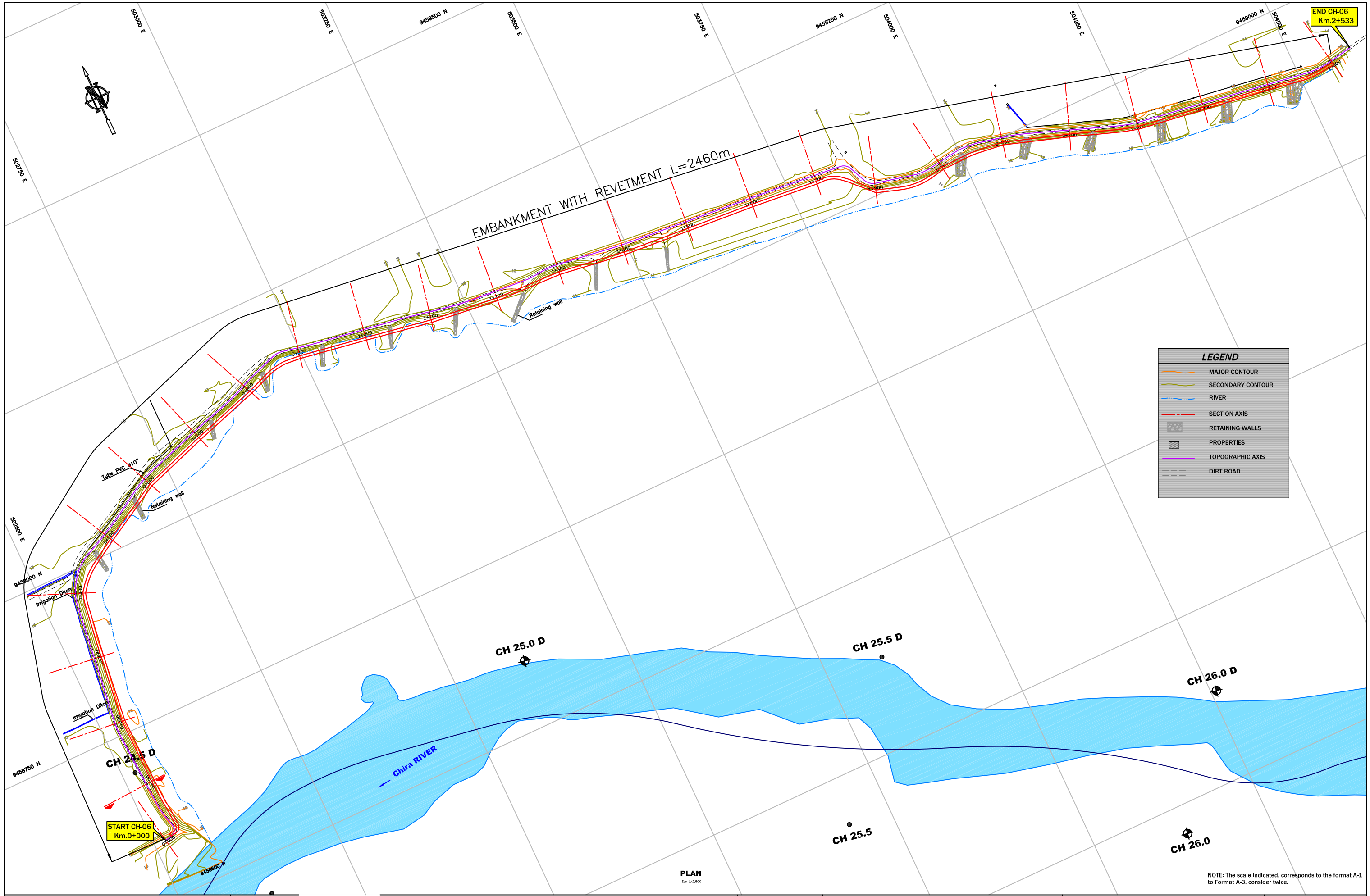
NOTE: The scale indicated, corresponds to the format A-1 to Format A-3, consider twice.



PLAN
Esc: 1/2,500

LEGEND	
	MAJOR CONTOUR
	SECONDARY CONTOUR
	RIVER
	SECTION AXIS
	RETAINING WALLS
	PROPERTIES
	TOPOGRAPHIC AXIS
	DIRT ROAD

NOTE: The scale indicated, corresponds to the format A-1 to Format A-3, consider twice.



LEGEND	
	MAJOR CONTOUR
	SECONDARY CONTOUR
	RIVER
	SECTION AXIS
	RETAINING WALLS
	PROPERTIES
	TOPOGRAPHIC AXIS
	DIRT ROAD

PLAN
Etc 1:2,500

NOTE: The scale Indicated, corresponds to the format A-1 to Format A-3, consider twice.

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

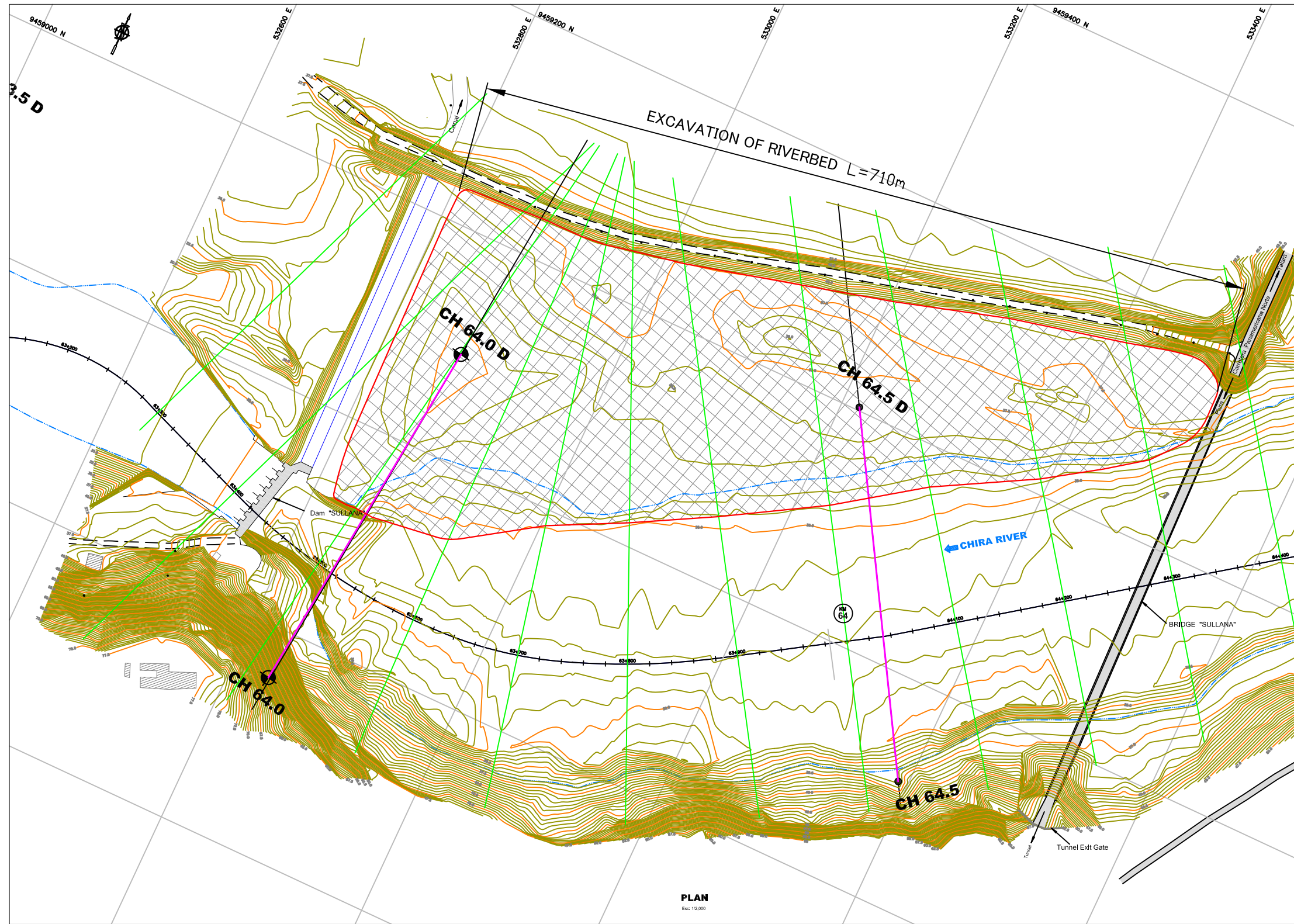
1:200 0 5 10 15

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



PLAN

Esc: 10,000

NOTE: The scale indicated, corresponds to the format A-1 to Format A-3, consider twice.



Consultants:



LOW AMERICA - CARIBBEAN



Designed by: M.SOYA
 Revised by: M.KITANO
 Approved by: Y.NAKAGAWA
 Revised by: Y.NAKAGAWA

Project:

THE PREPARATORY STUDY ON PROJECT OF THE PROTECTION OF FLOOD PLAIN AND VULNERABLE RURAL POPULATION AGAINST FLOOD IN THE REPUBLIC OF PERU

Drawing:

**CHIRA RIVER: CHIRA-4
 DAM SULLANA -PLAN
 KM. 64+000 - KM. 64+300**

SCALE: INDICATED

DATE: MARCH - 2013

CODE: CHIRA-4-01

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

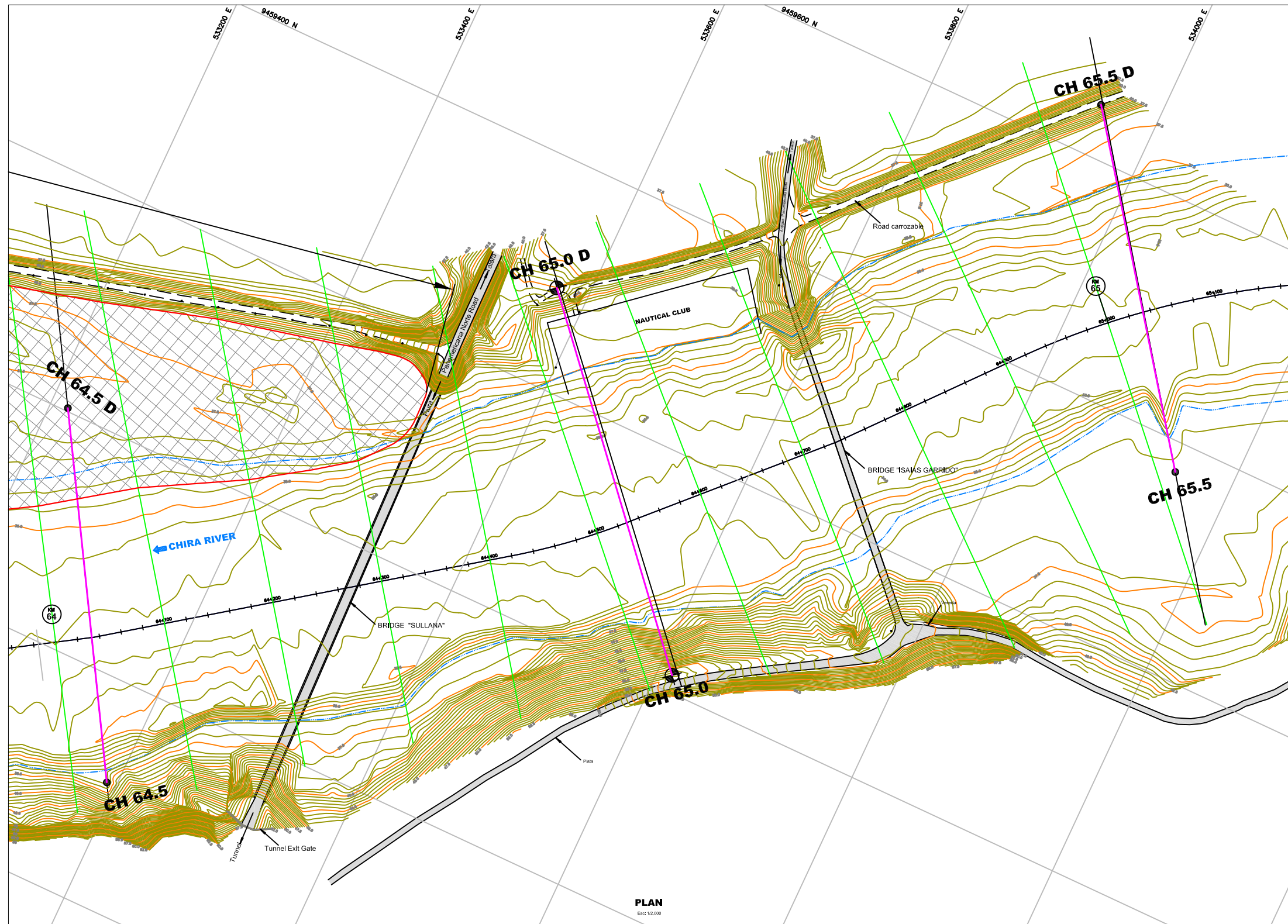
1:200 0 5 10 15

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



NOTE: The scale indicated, corresponds to the format A-1 to Format A-3, consider twice.



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



Consulting Engineers: **NIPPON KOEI LAC CO., LTD.**

Designed by: M.SOYA
Revised by: M.KITANO
Approved by: Y.NAKAGAWA
Revised by: Y.NAKAGAWA

Project: THE PREPARATORY STUDY ON PROJECT OF THE PROTECTION OF FLOOD PLAIN AND VULNERABLE RURAL POPULATION AGAINST FLOOD IN THE REPUBLIC OF PERU

Drawing: **CHIRA RIVER: CHIRA-4 DAM SULLANA -PLAN**
KM. 64+400 - KM. 65+500

ESCALE: INDICATED
DATE: MARCH - 2013
CODE: **CHIRA-4-02**

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

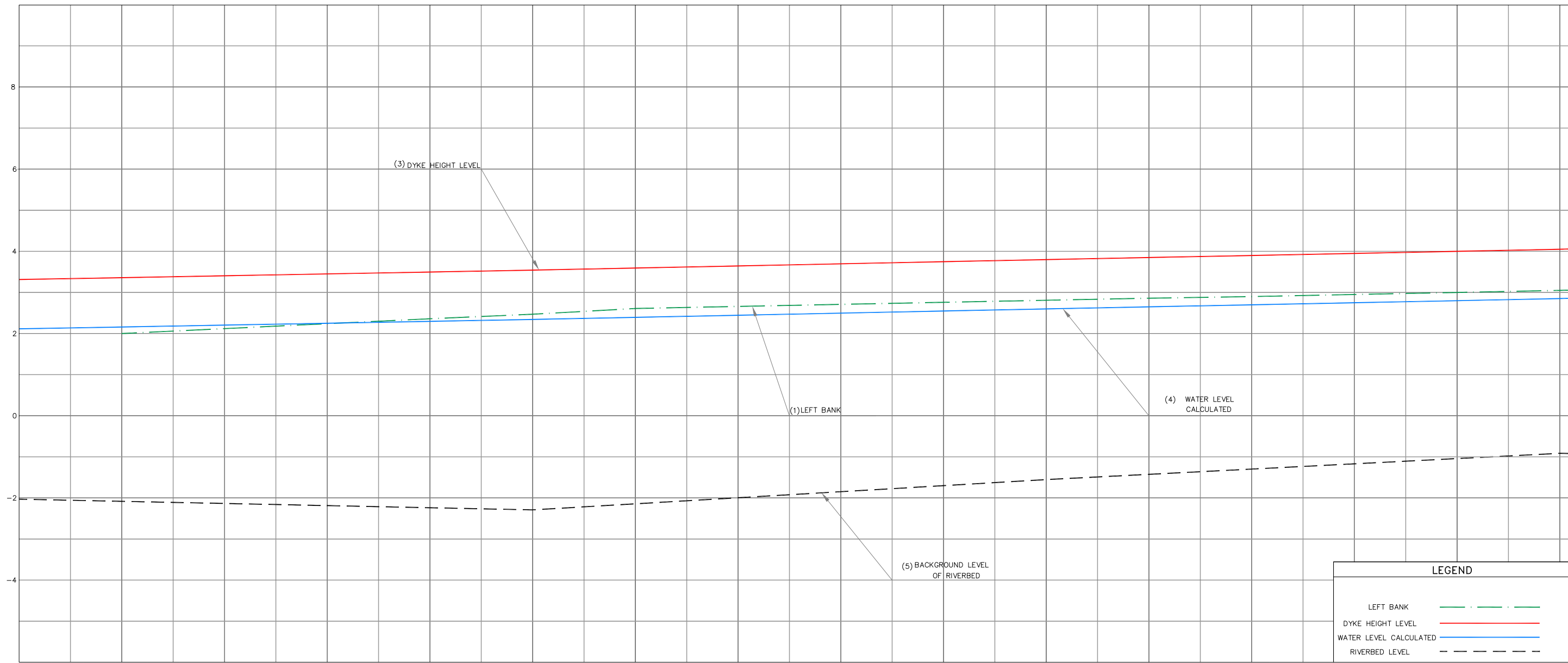
1:200 0 5 10 15

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



LEGEND	
LEFT BANK	
DYKE HEIGHT LEVEL	
WATER LEVEL CALCULATED	
RIVERBED LEVEL	

DISTANCE (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) LEFT BANK LEVEL		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
(3) DYKE HEIGHT LEVEL	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
(4) WATER LEVEL CALCULATED	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
(5) BACKGROUND LEVEL OF RIVERBED	-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 RIVER
CRITICAL POINT N° 1 (1/3)
LONGITUDINAL PROFILE**

NOTE: The scale indicated, corresponds to the format A-1 to Format A-3, consider twice.



Consultants:



Designed by: M.SOYA
Revised by: M.KITANO
Approved by: Y.NAKAGAWA
Revised by: Y.NAKAGAWA

Project:
THE PREPARATORY STUDY ON PROJECT OF THE PROTECTION OF FLOOD PLAIN AND VULNERABLE RURAL POPULATION AGAINST FLOOD IN THE REPUBLIC OF PERU

Drawing:
**CHIRA RIVER:
CRITICAL POINT N°1 (1/3)
LONGITUDINAL PROFILE**

ESCALE: INDICATED
DATE: MARCH - 2013
CODE: **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

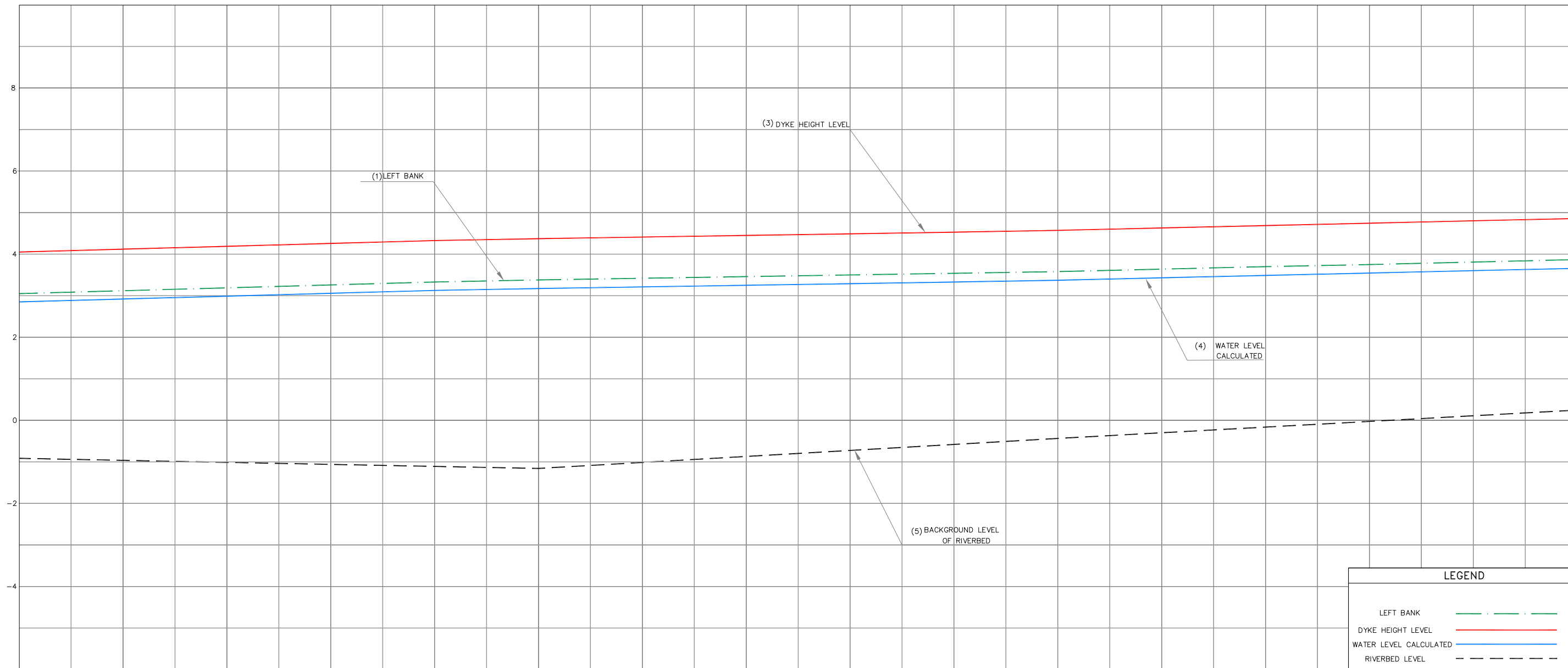
1:200 0 5 10 15

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



LEGEND	
LEFT BANK	
DYKE HEIGHT LEVEL	
WATER LEVEL CALCULATED	
RIVERBED LEVEL	

DISTANCE (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) LEFT BANK LEVEL	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
(3) DYKE HEIGHT LEVEL	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
(4) WATER LEVEL CALCULATED	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
(5) BACKGROUND LEVEL OF RIVERBED	-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 RIVER
CRITICAL POINT N°1 (2/3)
LONGITUDINAL PROFILE**

NOTE: The scale indicated, corresponds to the format A-1 to Format A-3, consider twice.



Consultants:
Yec
Yachiyo Engineering Co., Ltd.



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

Designed by: M.SOYA
Revised by: M.KITANO
Approved by: Y.NAKAGAWA
Revised by: Y.NAKAGAWA

Project:
THE PREPARATORY STUDY ON PROJECT OF THE PROTECTION OF FLOOD PLAIN AND VULNERABLE RURAL POPULATION AGAINST FLOOD IN THE REPUBLIC OF PERU

Drawing:
**CHIRA RIVER:
CRITICAL POINT N°1 (2/3)
LONGITUDINAL PROFILE**

ESCALE: INDICATED
DATE: MARCH - 2013
CODE: **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

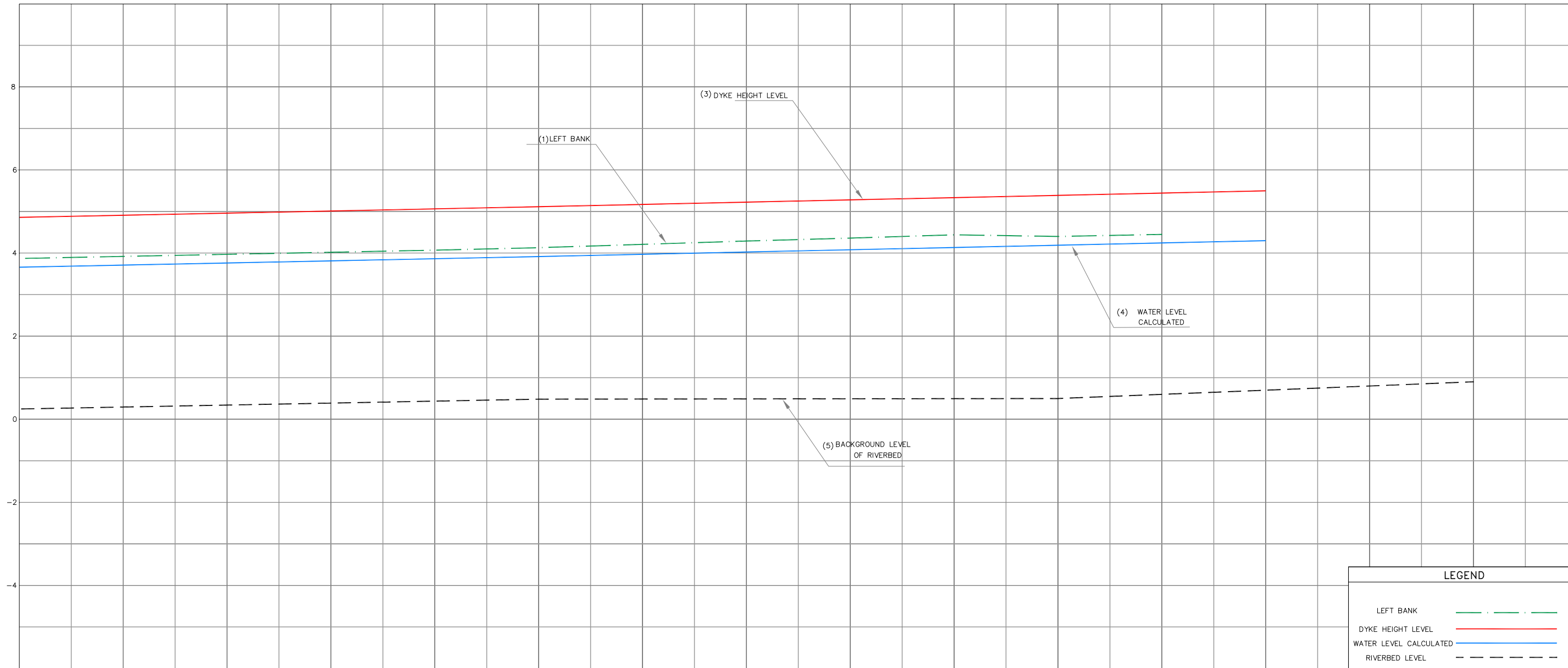
1:200 0 5 10 15

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



LEGEND	
LEFT BANK	
DYKE HEIGHT LEVEL	
WATER LEVEL CALCULATED	
RIVERBED LEVEL	

DISTANCE (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) LEFT BANK LEVEL	3.87	3.92	3.97	4.02	4.07	4.13	4.21	4.29	4.36	4.44	4.40	4.45				
(3) DYKE HEIGHT LEVEL	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	5.50	5.50	5.50
(4) WATER LEVEL CALCULATED	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	4.30	4.30	4.30
(5) BACKGROUND LEVEL OF RIVERBED	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	0.90

**CHIRA RIVER
CRITICAL POINT N° 1 (3/3)
LONGITUDINAL PROFILE**

NOTE: The scale indicated, corresponds to the format A-1 to Format A-3, consider twice.



Consultants:



LATIN AMERICA - CARIBBEAN



Designed by: M.SOYA
Revised by: M.KITANO
Approved by: Y.NAKAGAWA
Revised by: Y.NAKAGAWA

Project:

THE PREPARATORY STUDY ON PROJECT OF THE PROTECTION OF FLOOD PLAIN AND VULNERABLE RURAL POPULATION AGAINST FLOOD IN THE REPUBLIC OF PERU

Drawing:

**CHIRA RIVER:
CRITICAL POINT N° 1 (3/3)
LONGITUDINAL PROFILE**

ESCALE: INDICATED

DATE: MARCH - 2013

CODE: **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

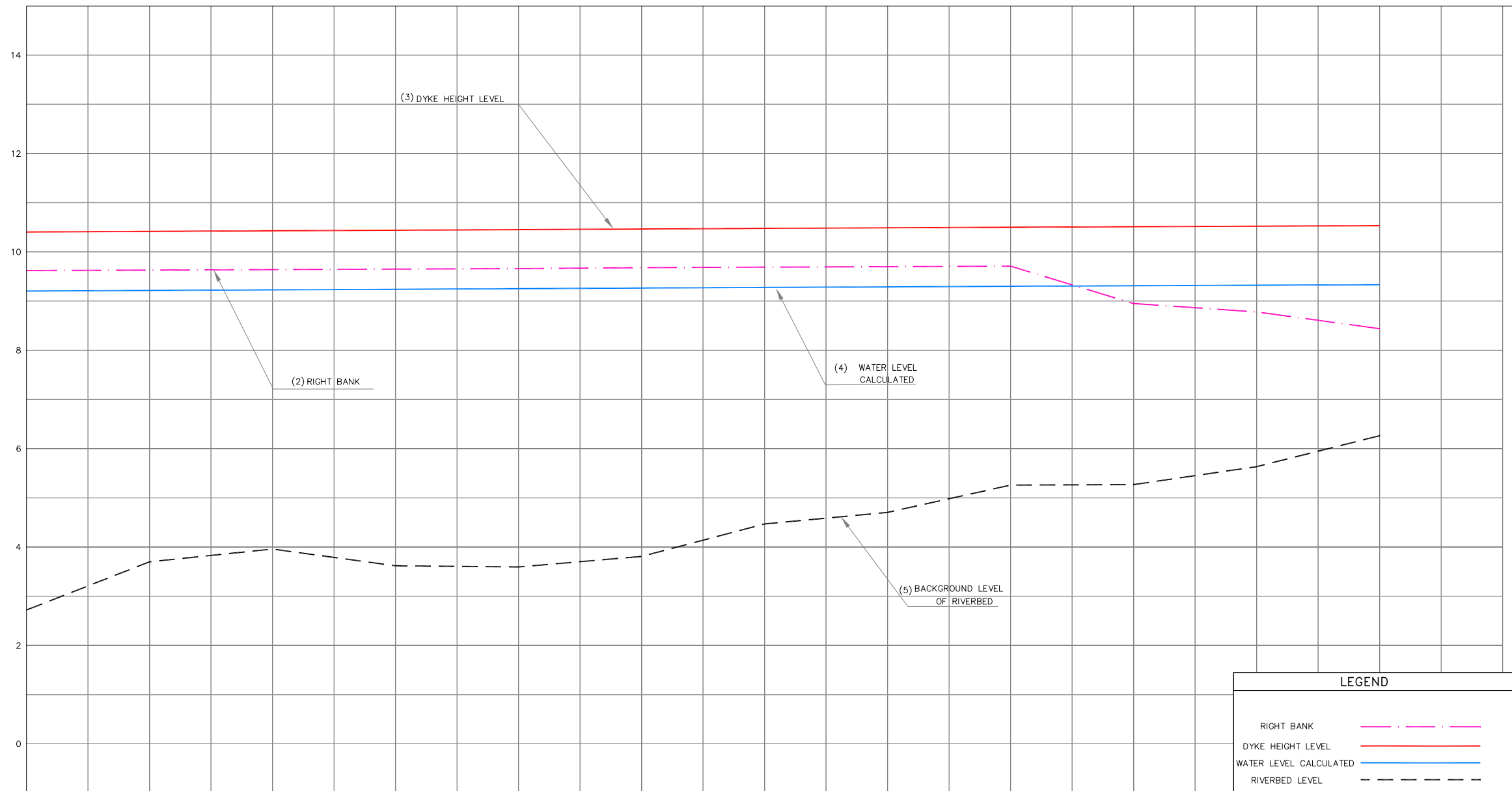
1:200 0 5 10 15

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



LEGEND	
RIGHT BANK	— (solid blue line)
DYKE HEIGHT LEVEL	— (solid red line)
WATER LEVEL CALCULATED	- - - (dashed magenta line)
RIVERBED LEVEL	- - - (dashed black line)

DISTANCE (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) RIGHT BANK LEVEL	9.62	9.63	9.64	9.65	9.66	9.68	9.69	9.70	9.71	8.95	8.78	8.44	
(3) DYKE HEIGHT LEVEL	10.40	10.42	10.43	10.44	10.45	10.47	10.48	10.49	10.50	10.51	10.52	10.53	
(4) WATER LEVEL CALCULATED	9.20	9.22	9.23	9.24	9.25	9.27	9.28	9.29	9.30	9.31	9.32	9.33	
(5) BACKGROUND LEVEL OF RIVERBED	2.72	3.70	3.96	3.62	3.80	3.91	4.47	4.56	5.26	5.27	5.80	6.38	

CHIRA RIVER
CRITICAL POINT N°2
LONGITUDINAL PROFILE

NOTE: The scale indicated, corresponds to the format A-1 to Format A-3, consider twice.



Consultants:



NIPON KOEI LAC CO., LTD.
Consulting Engineers

Designed by: M.SOYA
Revised by: M.KITANO
Approved by: Y.NAKAGAWA
Revised by: Y.NAKAGAWA

Project:
THE PREPARATORY STUDY ON PROJECT OF THE PROTECTION OF FLOOD PLAIN AND VULNERABLE RURAL POPULATION AGAINST FLOOD IN THE REPUBLIC OF PERU

Drawing:
**CHIRA RIVER:
CRITICAL POINT N°2
LONGITUDINAL PROFILE**

ESCALE: INDICATED

DATE: MARCH - 2013

CODE: **CHIRA - 2**

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

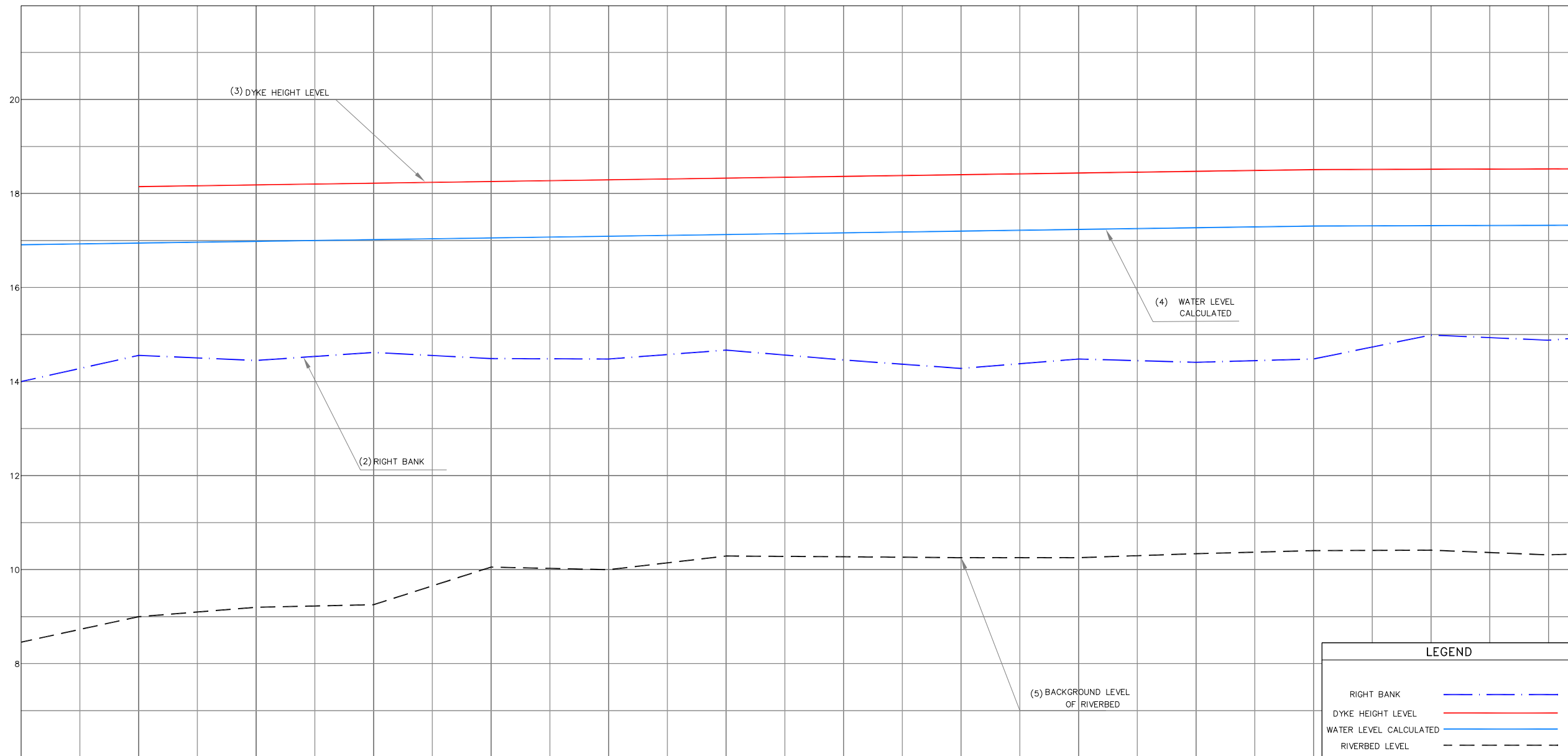
1:200 0 5 10 15

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



LEGEND	
RIGHT BANK	— · — · — · — · — · — · — · — · — · —
DYKE HEIGHT LEVEL	—————
WATER LEVEL CALCULATED	—————
RIVERBED LEVEL	- - - - -

DISTANCE (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) RIGHT BANK LEVEL	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) DYKE HEIGHT LEVEL		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) WATER LEVEL CALCULATED	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) BACKGROUND LEVEL OF RIVERBED	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	10.63

**CHIRA RIVER
CRITICAL POINT N° 3 (1/2)
LONGITUDINAL PROFILE**

NOTE: The scale indicated, corresponds to the format A-1 to Format A-3, consider twice.



Designed by: M.SOYA
Revised by: M.KITANO
Approved by: Y.NAKAGAWA
Revised by: Y.NAKAGAWA

Project:
THE PREPARATORY STUDY ON PROJECT OF THE PROTECTION OF FLOOD PLAIN AND VULNERABLE RURAL POPULATION AGAINST FLOOD IN THE REPUBLIC OF PERU

Drawing:
**CHIRA RIVER:
CRITICAL POINT N° 3 (1/2)
LONGITUDINAL PROFILE**

ESCALE: INDICATED
DATE: MARCH - 2013
CODE: **CHIRA - 3**

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

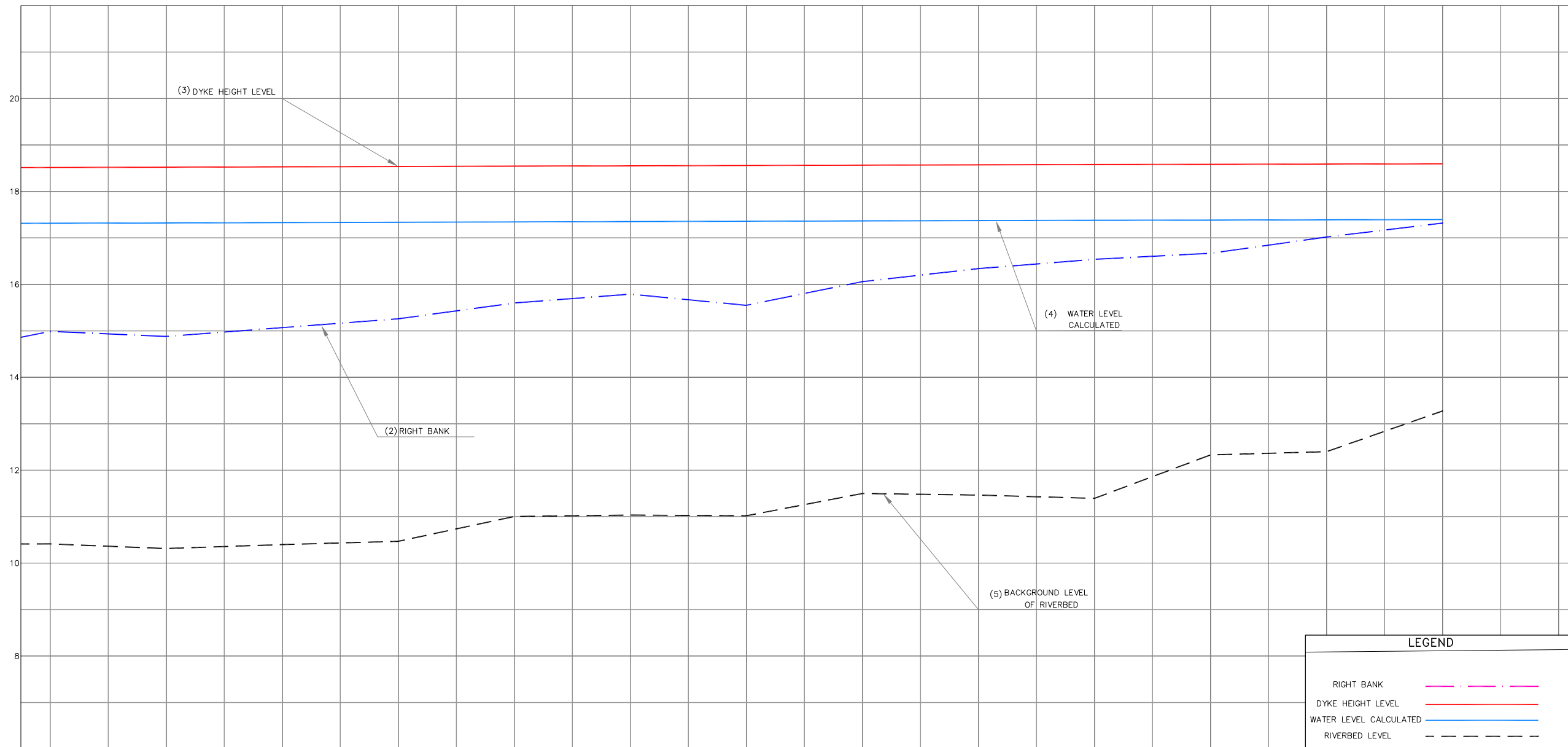
1:200 0 5 10 15

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



DISTANCE (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) RIGHT BANK LEVEL	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) DYKE HEIGHT LEVEL	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) WATER LEVEL CALCULATED	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) BACKGROUND LEVEL OF RIVERBED	10.63	10.63	10.80	10.94	11.01	11.07	11.04	11.10	11.93	11.79	12.66	12.80	13.37	

**CHIRA RIVER
CRITICAL POINT N°3 (2/2)
LONGITUDINAL PROFILE**

NOTE: The scale indicated, corresponds to the format A-1 to Format A-3, consider twice.



Consultants:



NIPPON KOEI LAC CO., LTD.
Consulting Engineers

Designed by: M.SOYA
Revised by: M.KITANO
Approved by: Y.NAKAGAWA
Revised by: Y.NAKAGAWA

Project:
THE PREPARATORY STUDY ON PROJECT OF THE PROTECTION OF FLOOD PLAIN AND VULNERABLE RURAL POPULATION AGAINST FLOOD IN THE REPUBLIC OF PERU

Drawing:
**CHIRA RIVER:
CRITICAL POINT N°3 (2/2)
LONGITUDINAL PROFILE**

ESCALE: INDICATED

DATE: MARCH - 2013

CODE: **CHIRA - 3**

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

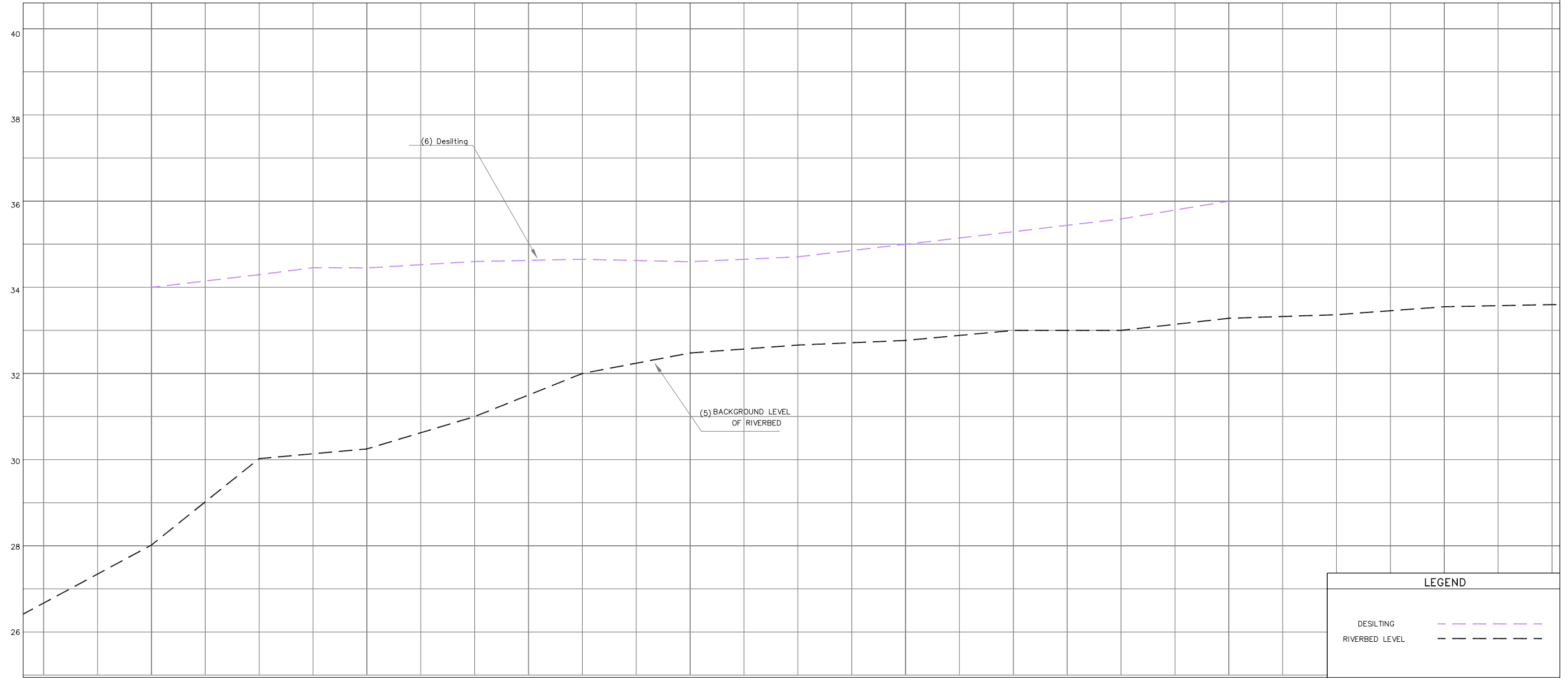
1:200 0 5 10 15

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



DISTANCE (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	64+532.38
(5) BACKGROUND LEVEL OF RIVERBED	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	33.80
(6) DESILTING		34.00	34.20	34.50	34.70	34.80	34.90	34.95	35.00	35.10	35.80	36.00			

**CHIRA RIVER
CRITICAL POINT N° 3 (1/2)
LONGITUDINAL PROFILE**

NOTE: The scale indicated, corresponds to the format A-1 to Format A-3, consider twice.



Consultants:



NIPPON KOEI LAC CO., LTD.
Consulting Engineers

Designed by: M.SOYA
Revised by: M.KITANO
Approved by: Y.NAKAGAWA
Revised by: Y.NAKAGAWA

Project:

THE PREPARATORY STUDY ON PROJECT OF THE PROTECTION OF FLOOD PLAIN AND VULNERABLE RURAL POPULATION AGAINST FLOOD IN THE REPUBLIC OF PERU

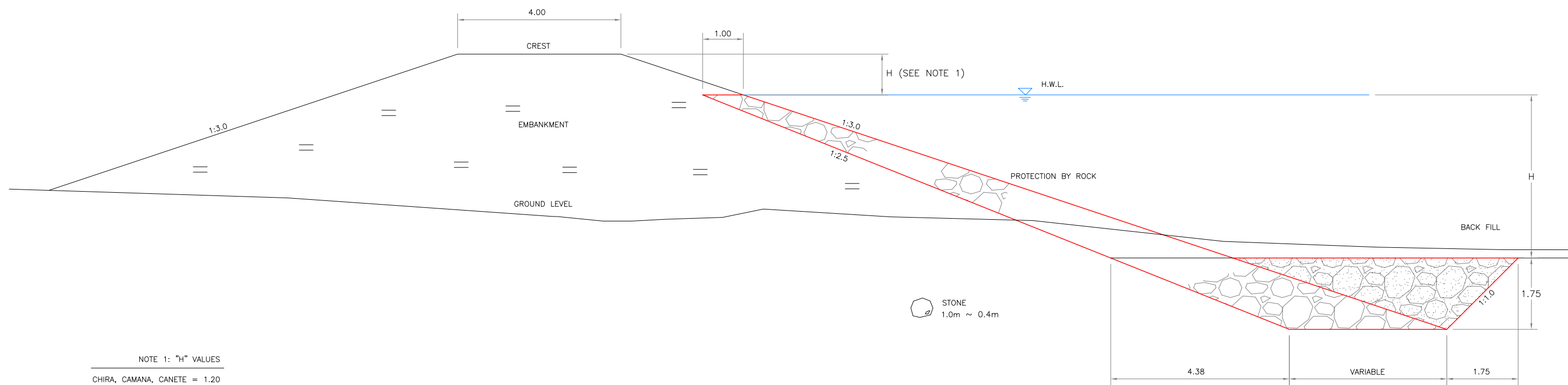
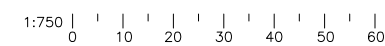
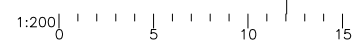
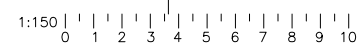
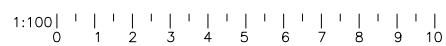
Drawing:

**CHIRA RIVER:
CRITICAL POINT N°4
LONGITUDINAL PROFILE**

ESCALE: INDICATED

DATE: MARCH - 2013

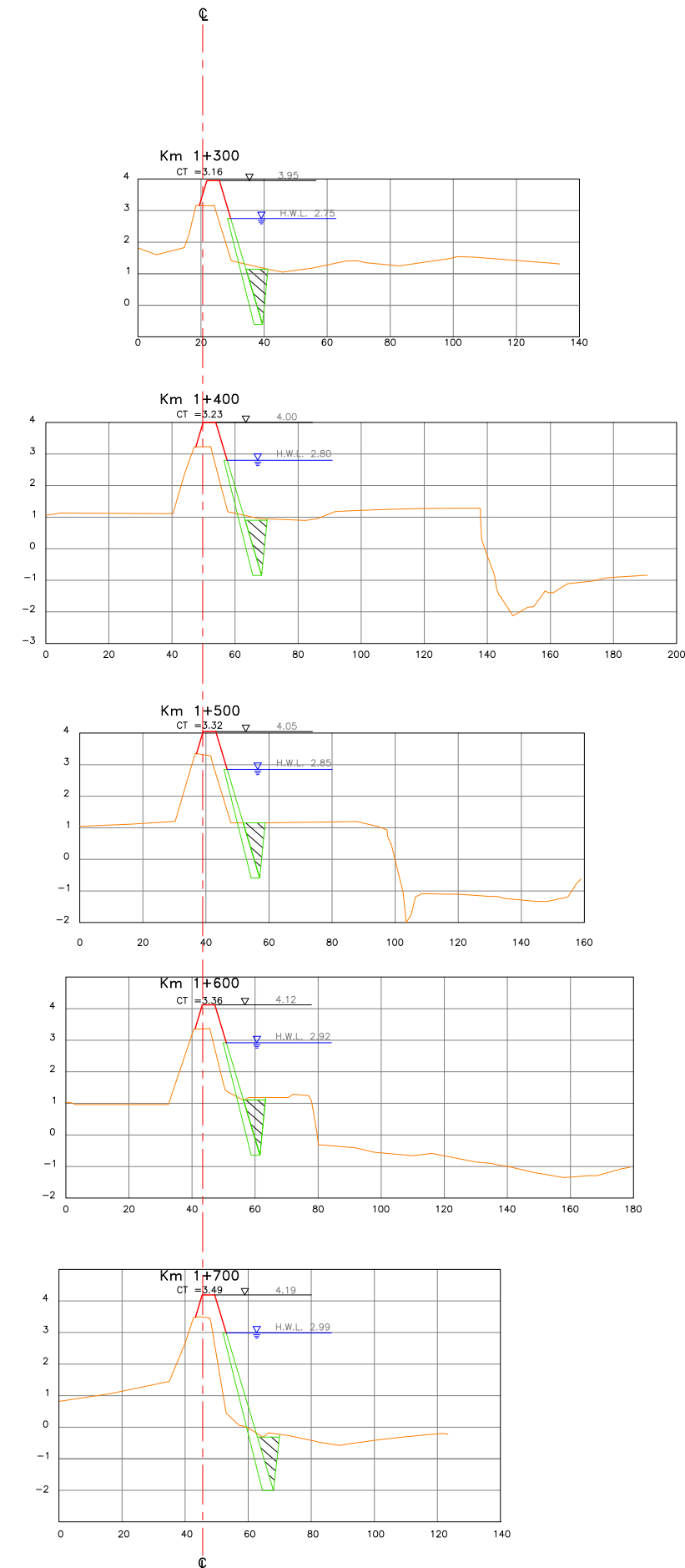
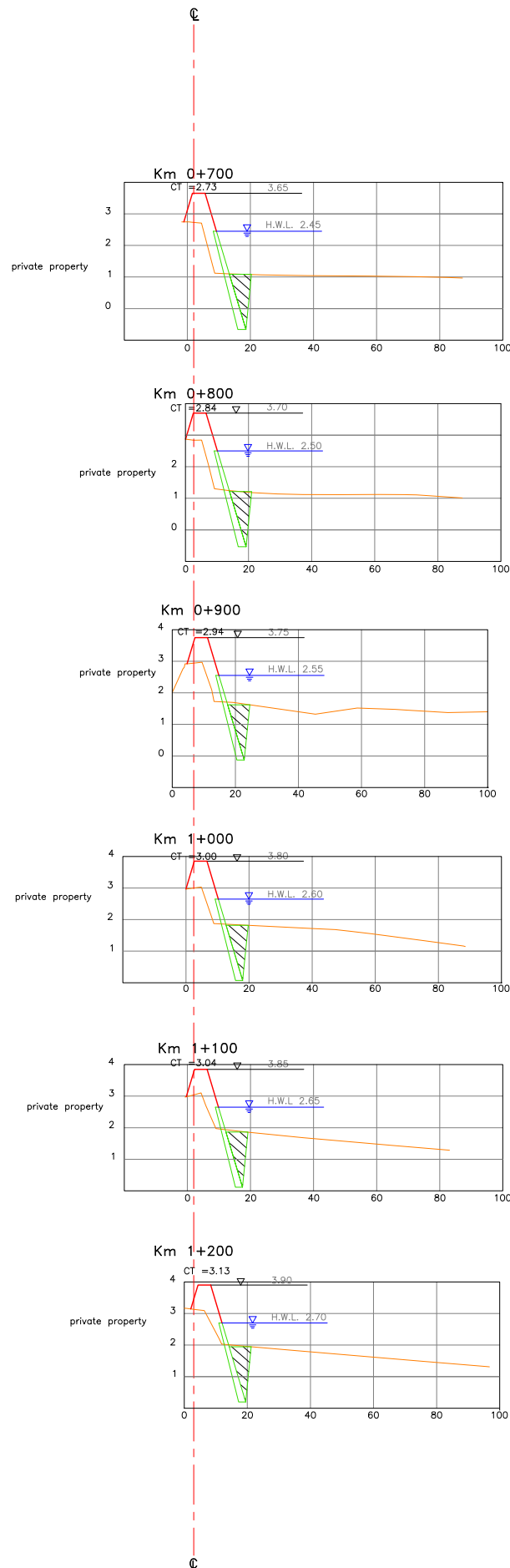
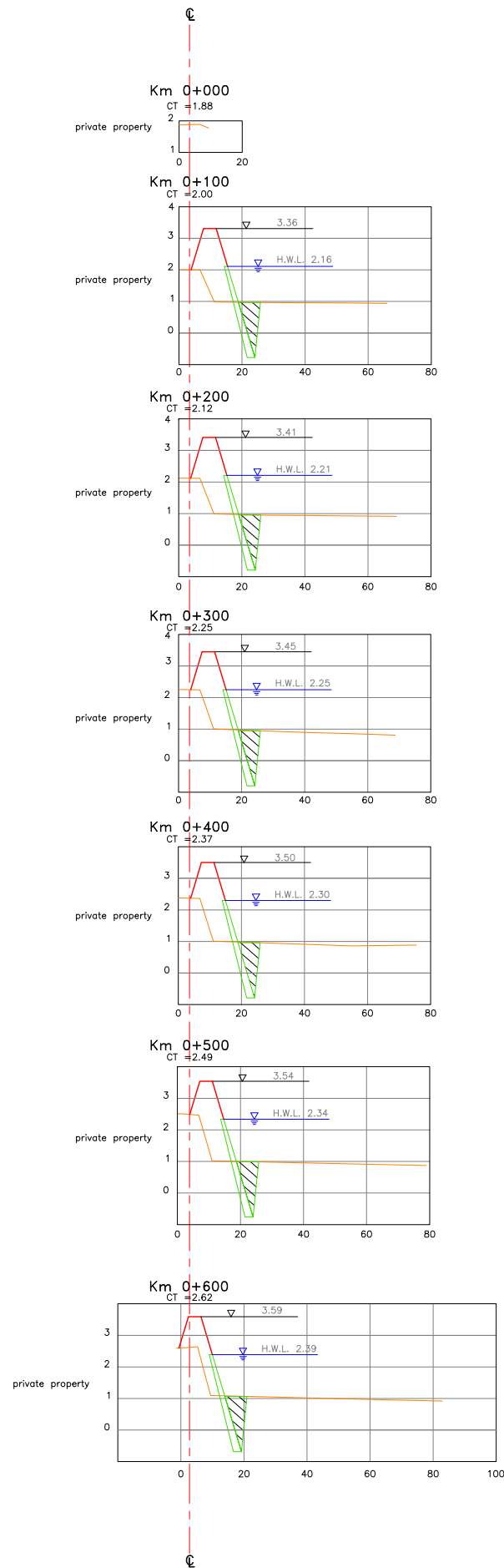
CODE: **CHIRA - 4**



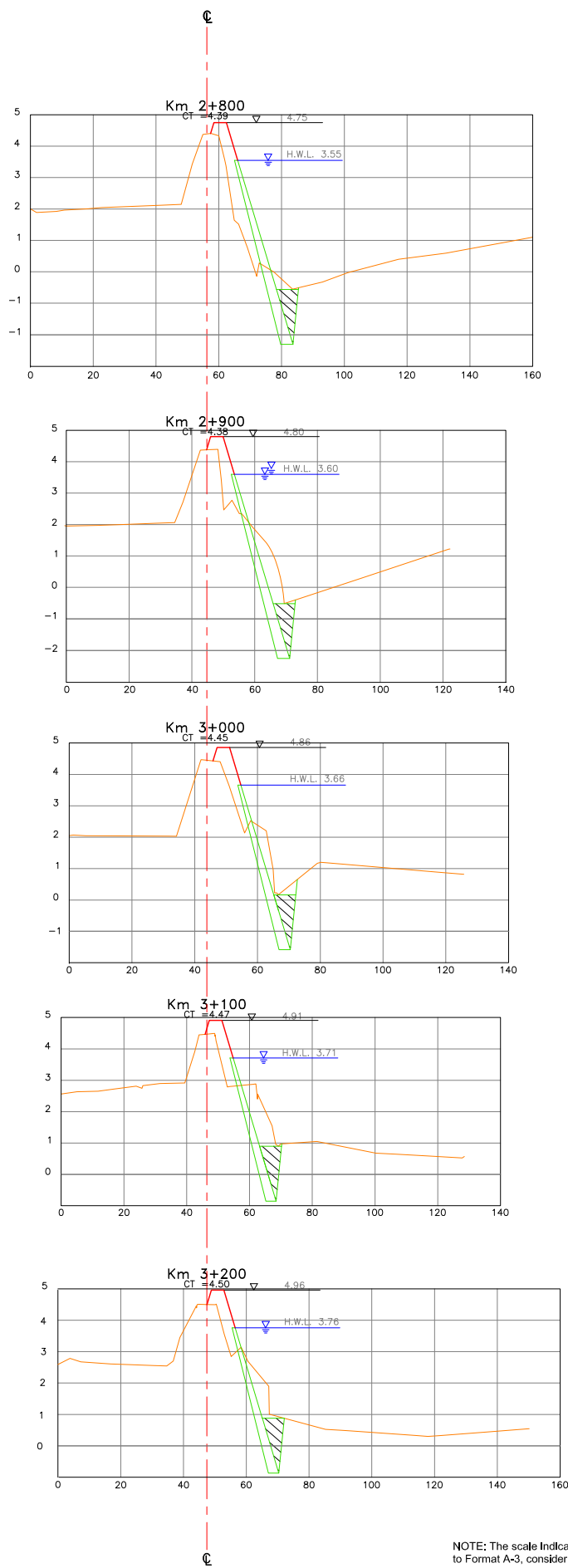
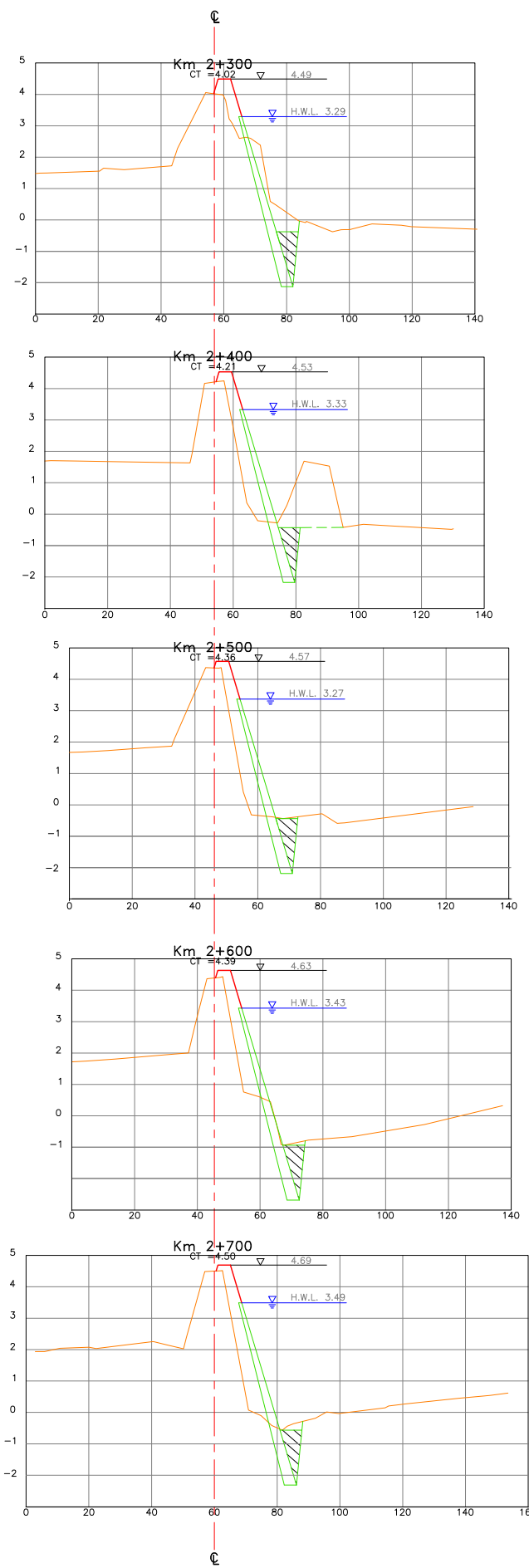
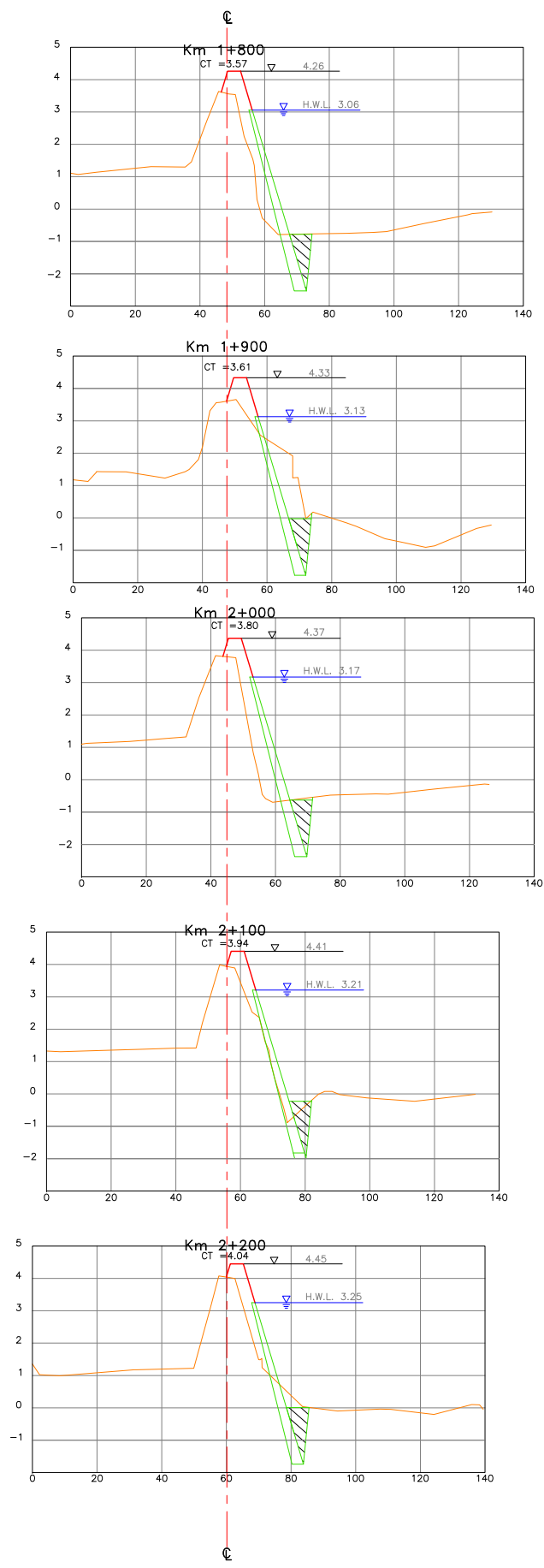
NOTE 1: "H" VALUES
 CHIRA, CAMANA, CANETE = 1.20
 PISCO = 1.00
 CHINCHA, YAUCA = 0.80

TYPICAL SECTION OF THE PROJECTED DYKE

NOTE: The scale indicated, corresponds to the format A-1 to Format A-3, consider twice.



NOTE: The scale indicated, corresponds to the format A-1 to Format A-3, consider twice.



NOTE: The scale indicated, corresponds to the format A-1 to Format A-3, consider twice.

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

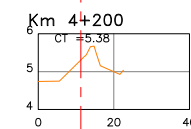
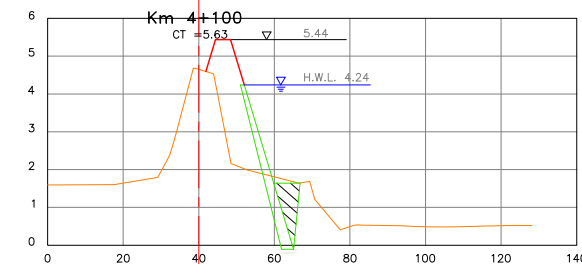
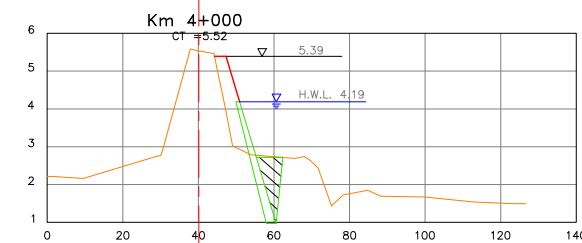
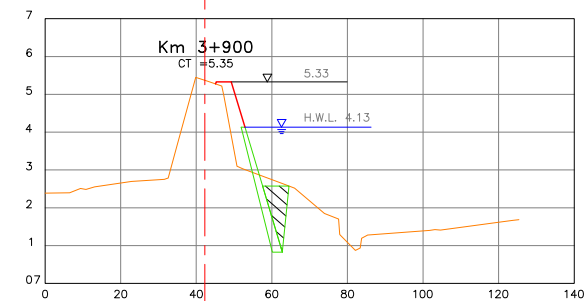
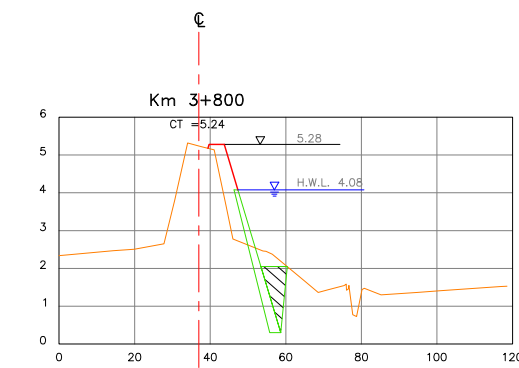
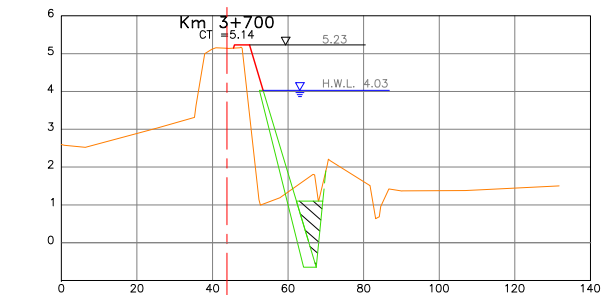
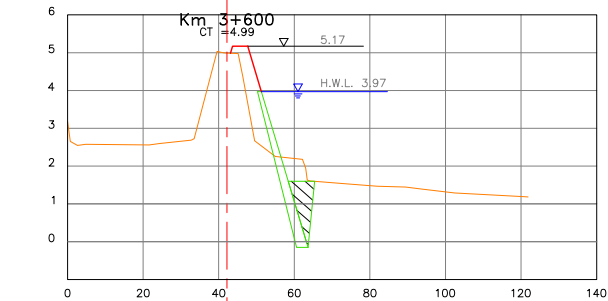
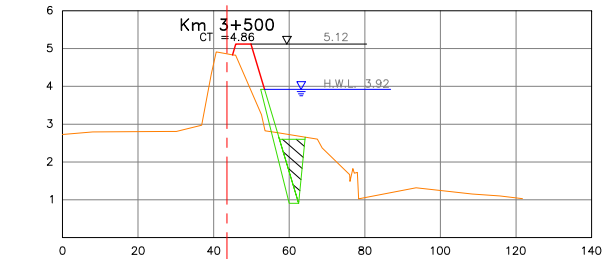
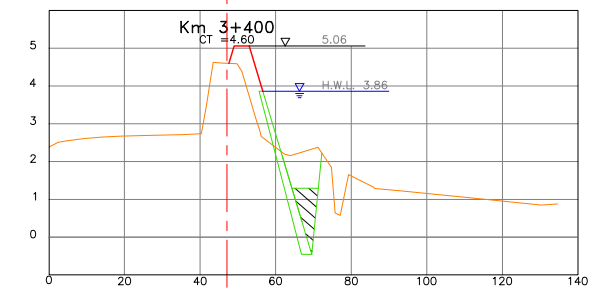
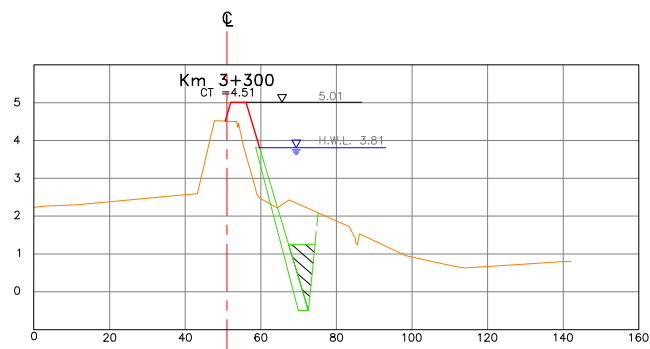
1:200 0 5 10 15

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



NOTE: The scale indicated, corresponds to the format A-1 to Format A-3, consider twice.



Japan International Cooperation Agency

Consultants:



Yachyo Engineering Co., Ltd.



NIPPON KOEI CO., LTD.

LATIN AMERICA - CARIBBEAN



NIPPON KOEI LAC CO., LTD. Consulting Engineers

Designed by: M.SOYA
Revised by: M.KITANO
Approved by: Y.NAKAGAWA
Revised by: Y.NAKAGAWA

Project:
THE PREPARATORY STUDY ON PROJECT OF THE PROTECTION OF FLOOD PLAIN AND VULNERABLE RURAL POPULATION AGAINST FLOOD IN THE REPUBLIC OF PERU

Drawing:

**CHIRA RIVER: CHIRA-1
CROSS SECTIONS
KM. 3+300 - KM. 4+200**

ESCALE: INDICATED

DATE: MARCH - 2013

CODE: CHIRA-1-ST-03

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

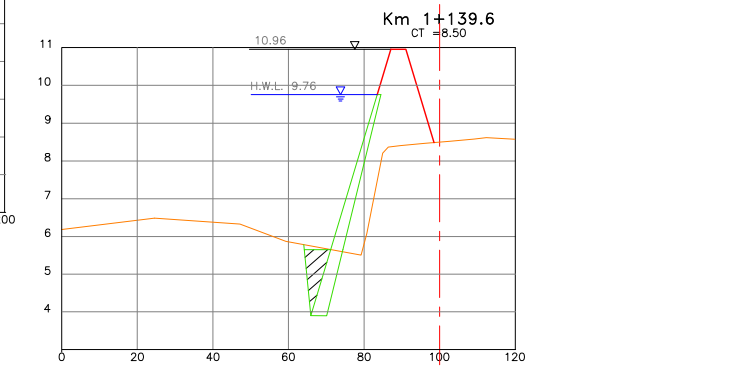
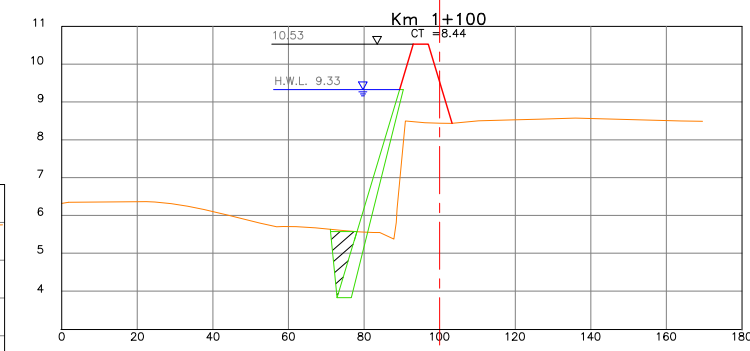
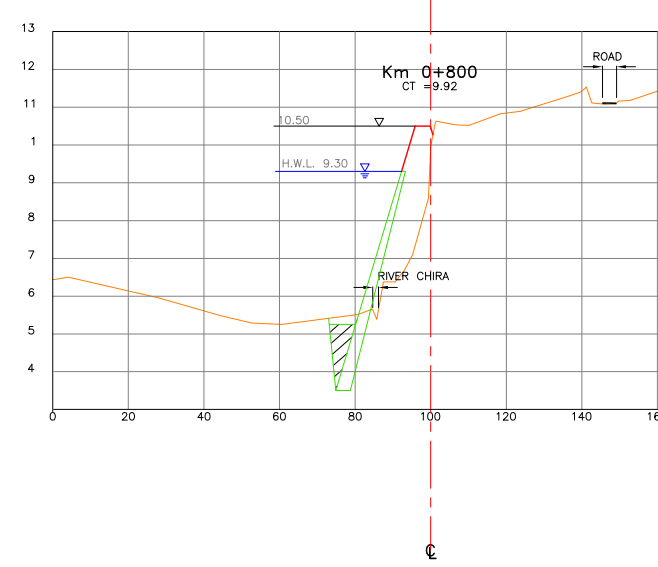
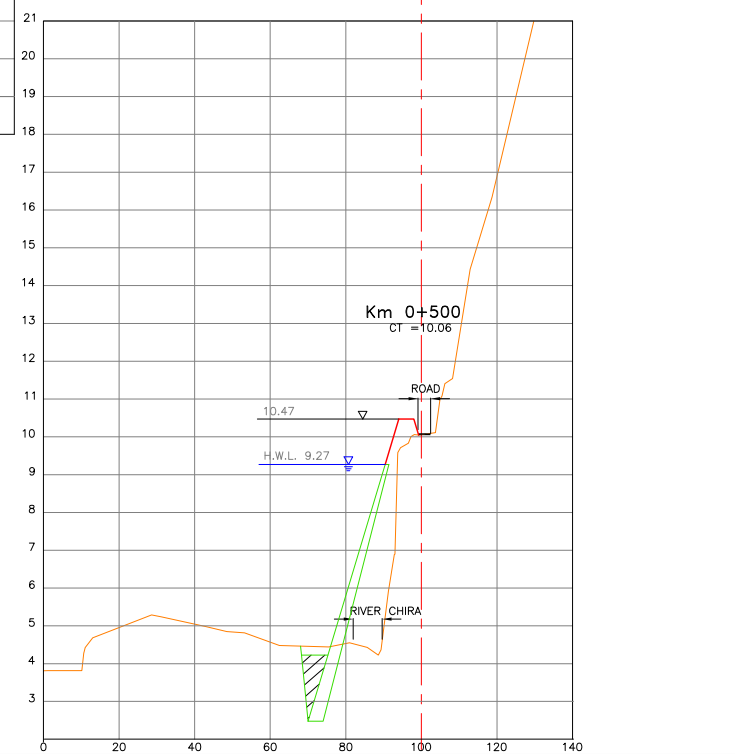
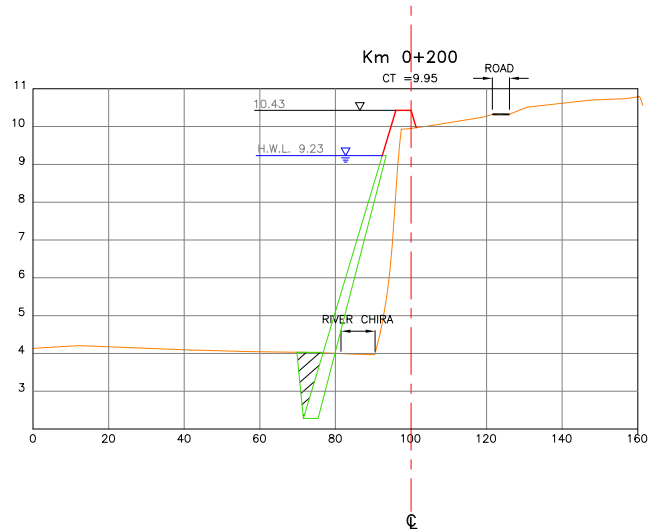
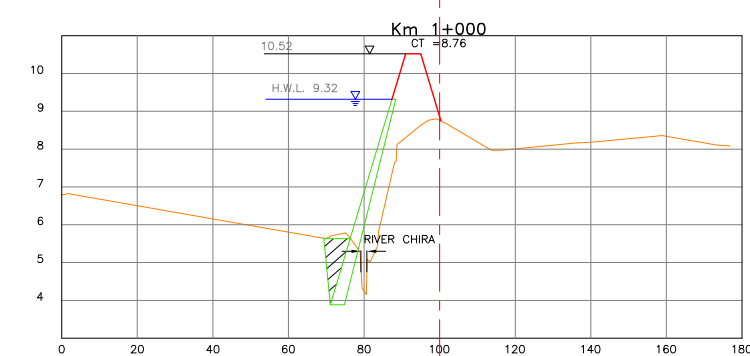
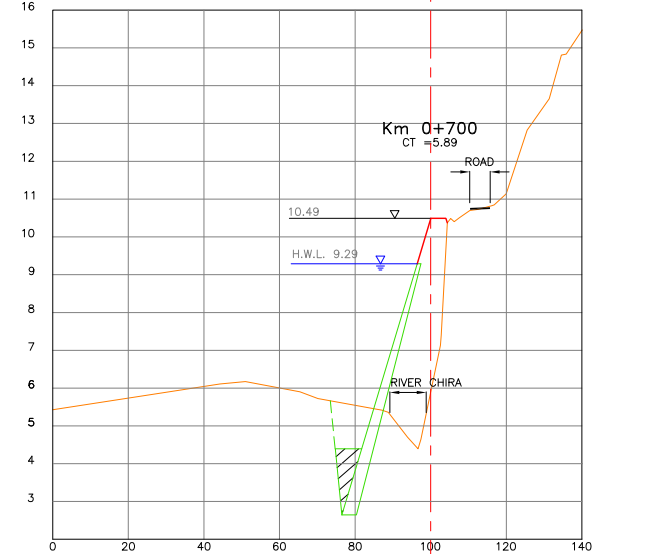
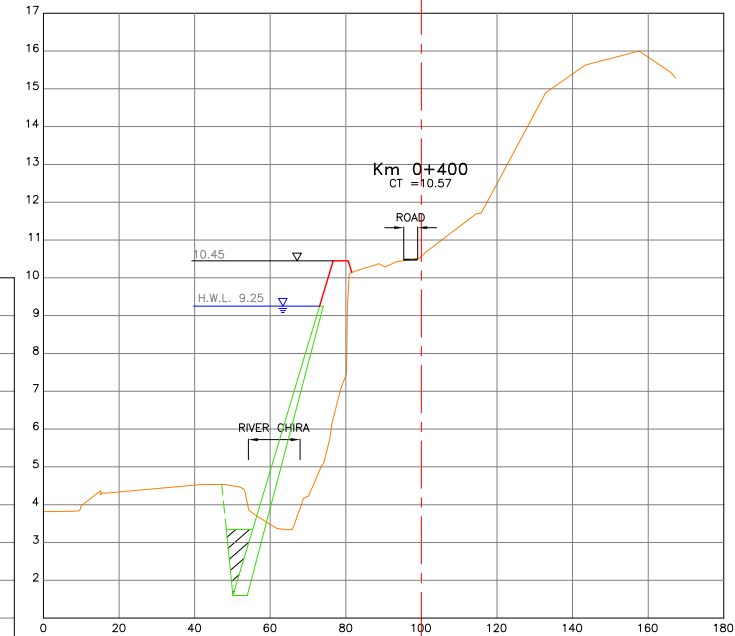
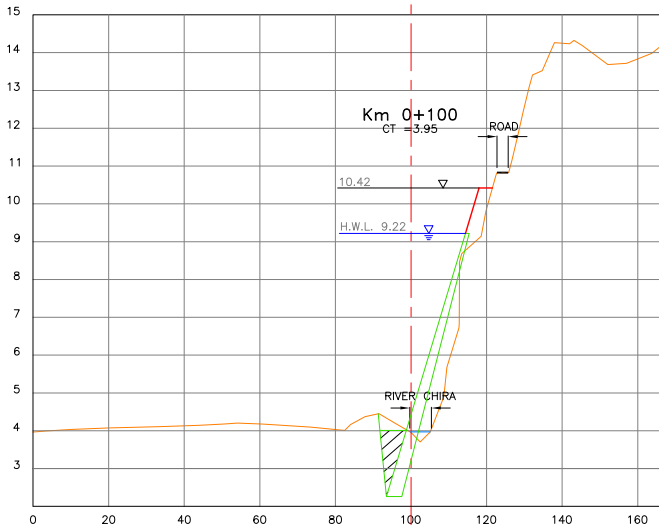
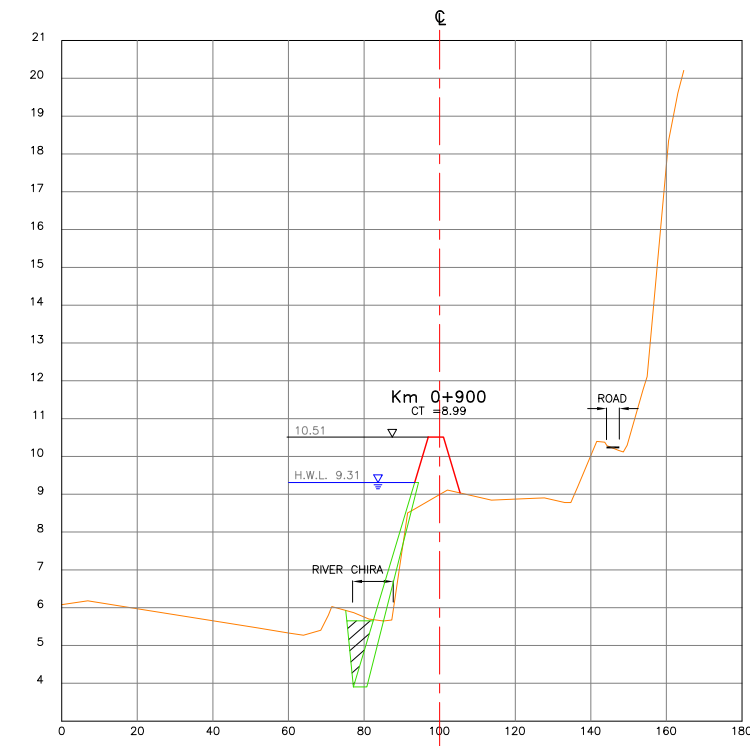
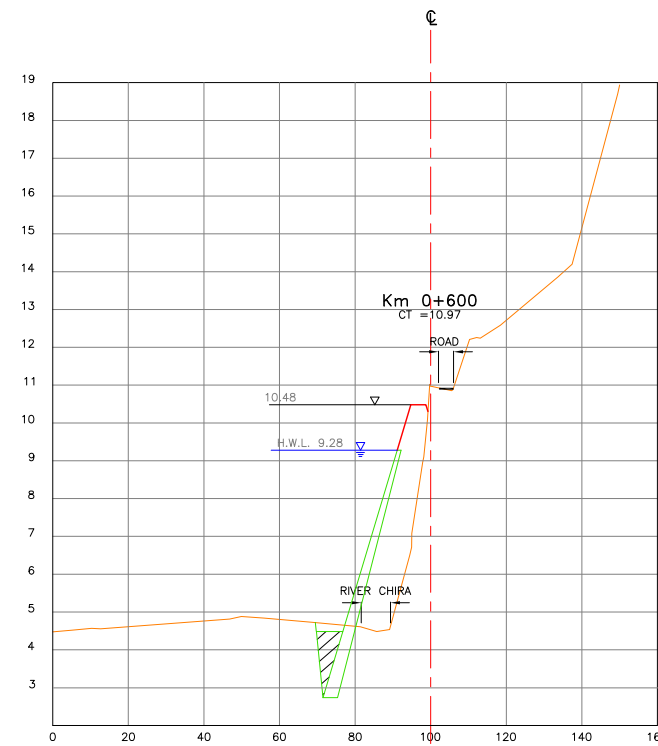
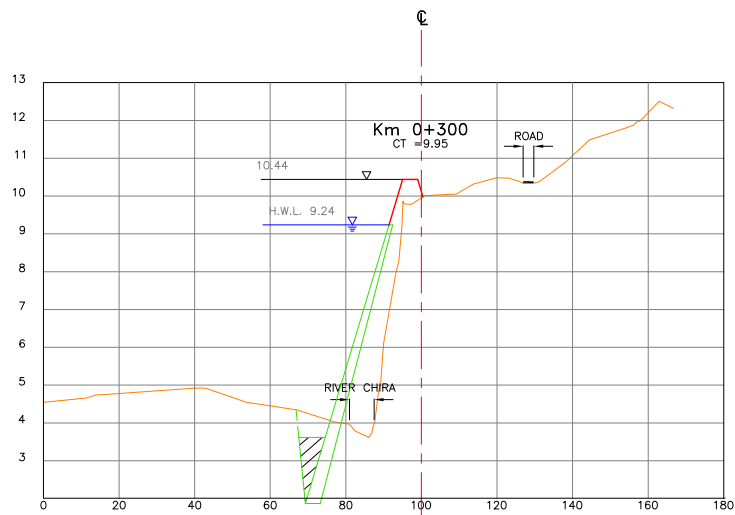
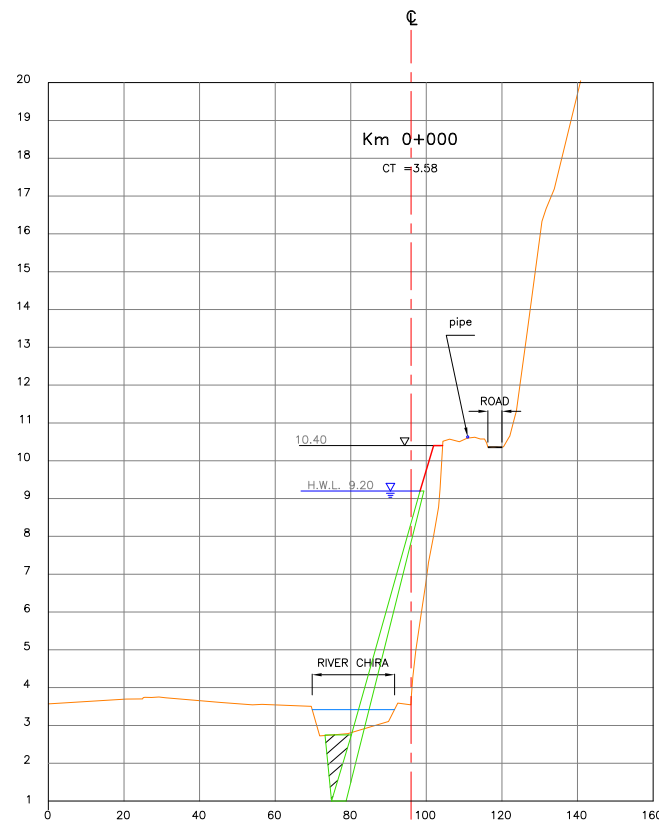
1:200 0 5 10 15

1:250 0 5 10 15 20

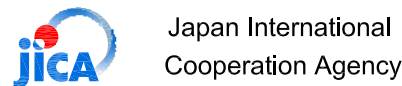
1:333.3 0 5 10 15 20 25 30

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

1:750 0 10 20 30 40 50 60



NOTE: The scale indicated, corresponds to the format A-1 to Format A-3, consider twice.



Japan International Cooperation Agency

Consultants:



Yachyo Engineering Co., Ltd.



NIPPON KOEI CO., LTD.



NIPPON KOEI LAC CO., LTD.
Consulting Engineers

Designed by: M.SOYA
Revised by: M.KITANO
Approved by: Y.NAKAGAWA
Revised by: Y.NAKAGAWA

Project:
THE PREPARATORY STUDY ON PROJECT OF THE PROTECTION OF FLOOD PLAIN AND VULNERABLE RURAL POPULATION AGAINST FLOOD IN THE REPUBLIC OF PERU

Drawing:

**CHIRA RIVER: CHIRA-2
CROSS SECTIONS
KM 0+000 - KM 1+139.6**

ESCALE: INDICATED

DATE: MARCH - 2013

CODE: CHIRA-2-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

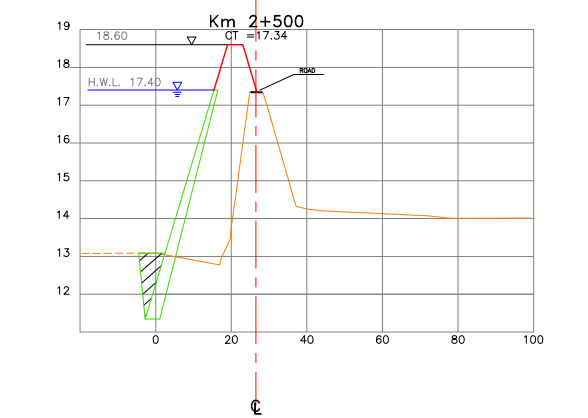
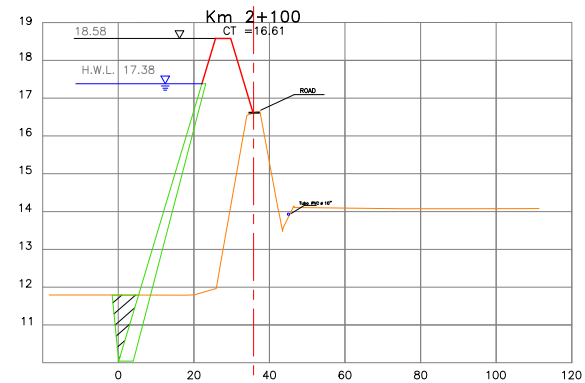
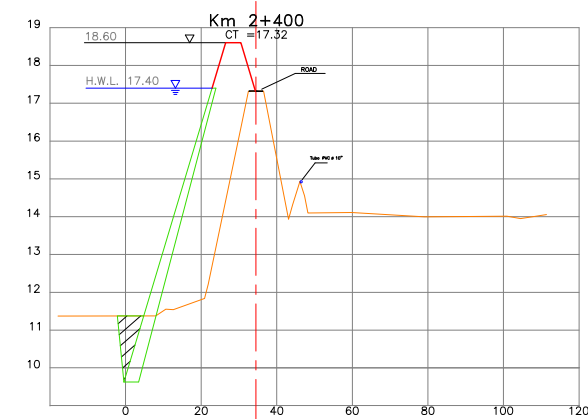
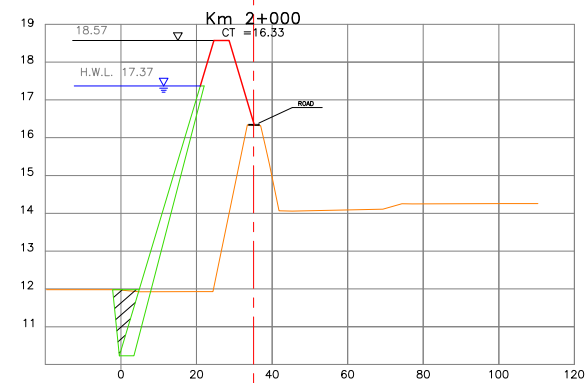
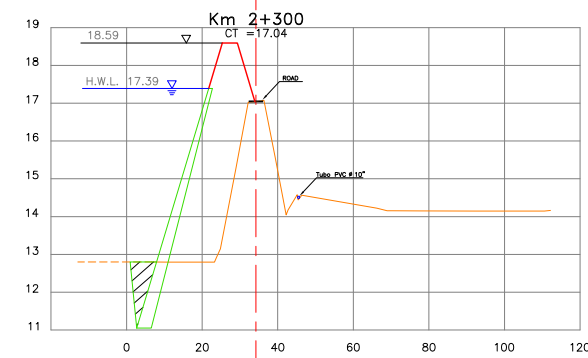
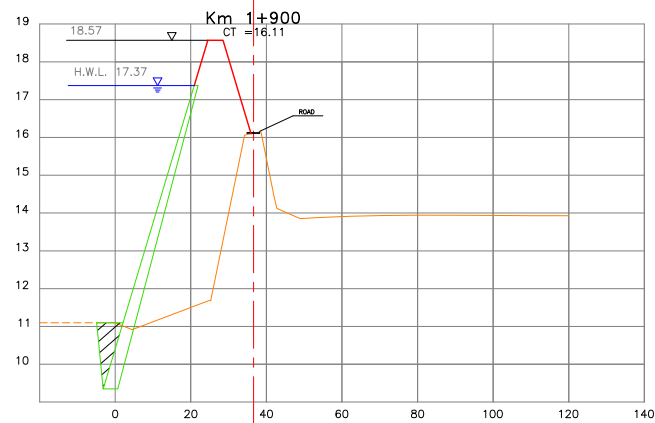
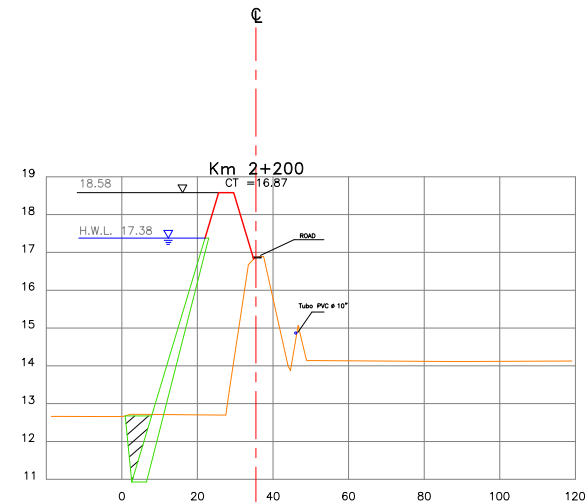
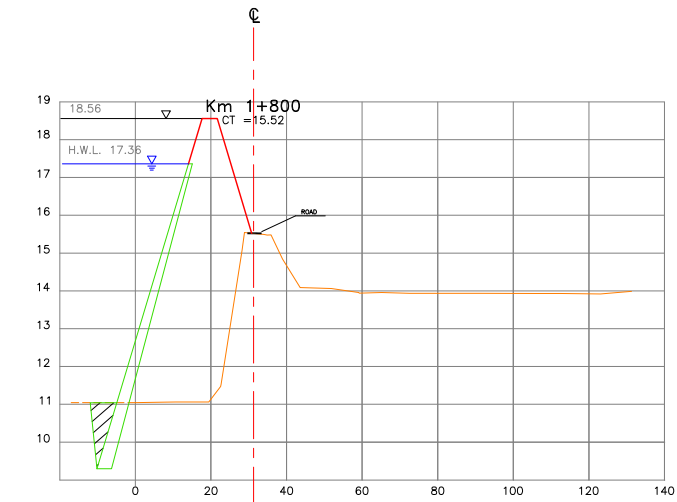
1:200 0 5 10 15

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



NOTE: The scale indicated, corresponds to the format A-1 to Format A-3, consider twice.

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

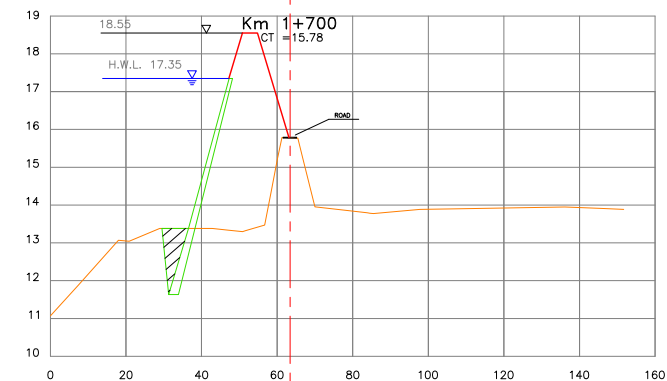
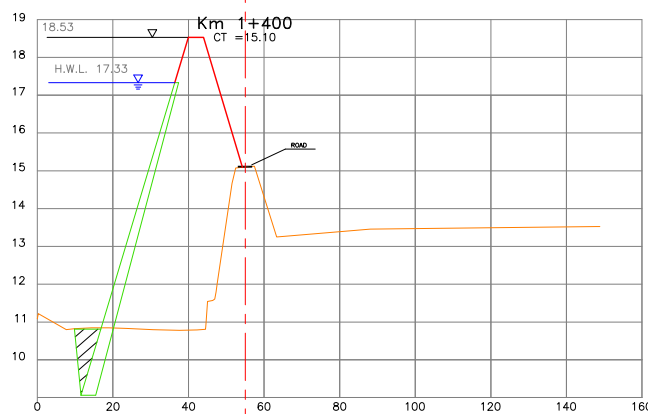
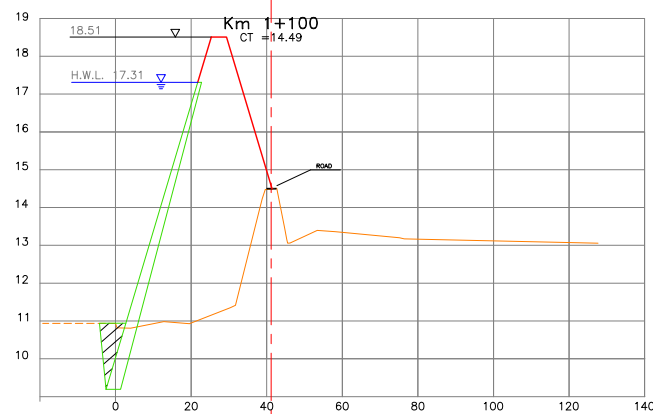
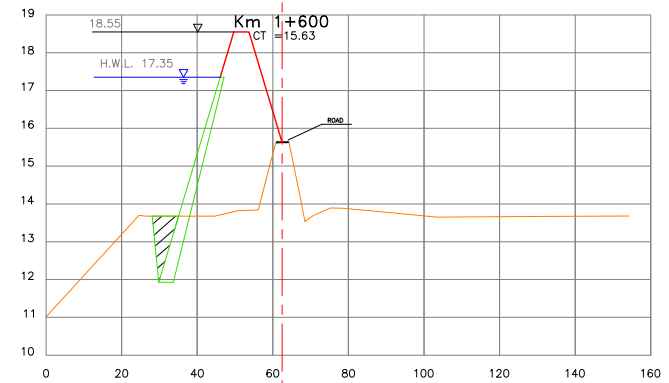
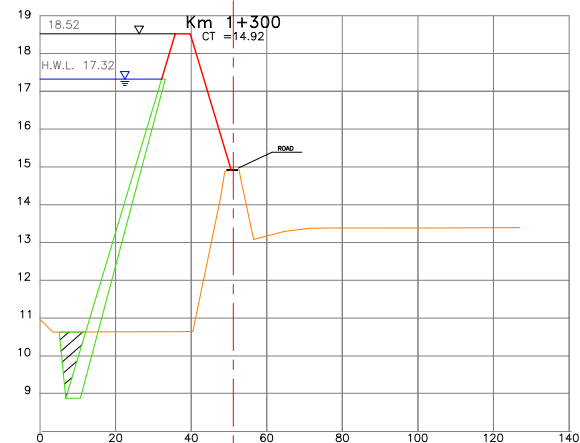
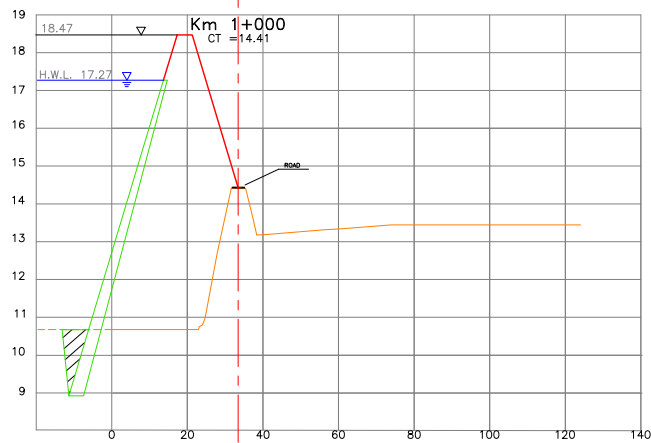
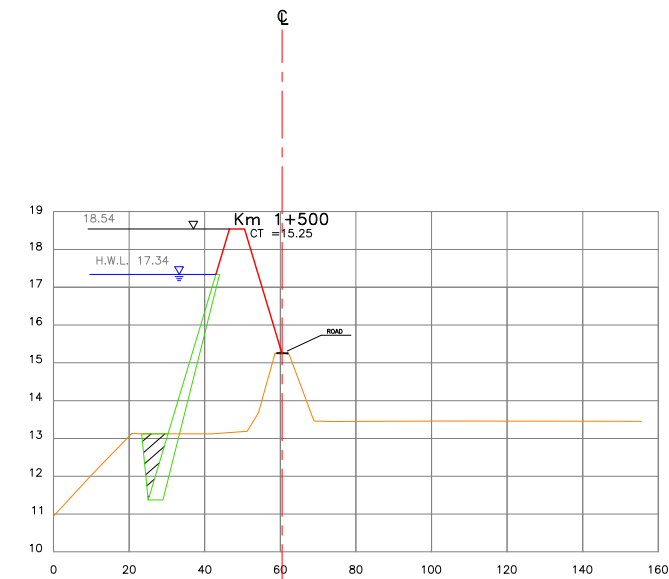
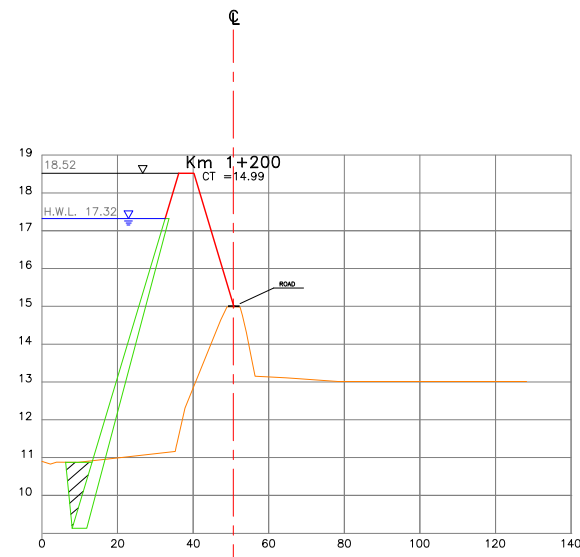
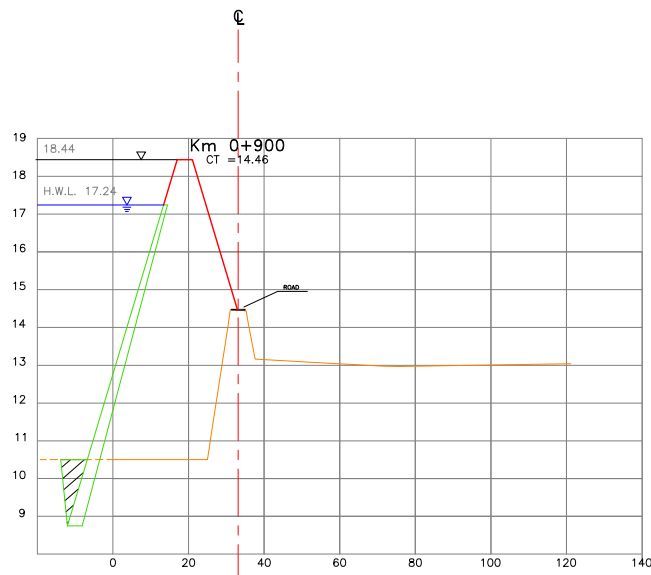
1:200 0 5 10 15

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



NOTE: The scale indicated, corresponds to the format A-1 to Format A-3, consider twice.



Consultants:
Yec
Yachyo Engineering Co., Ltd.



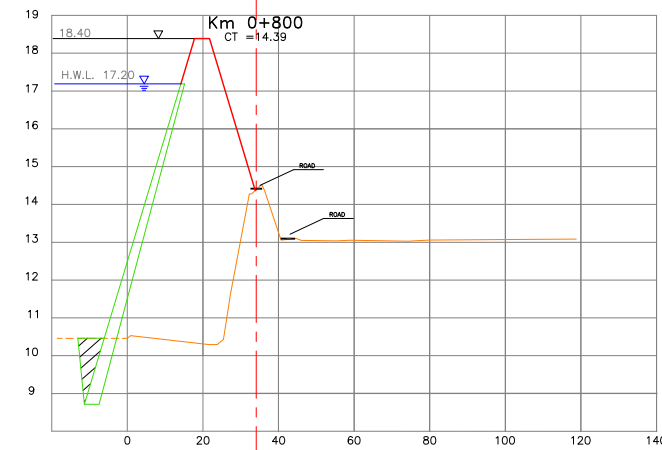
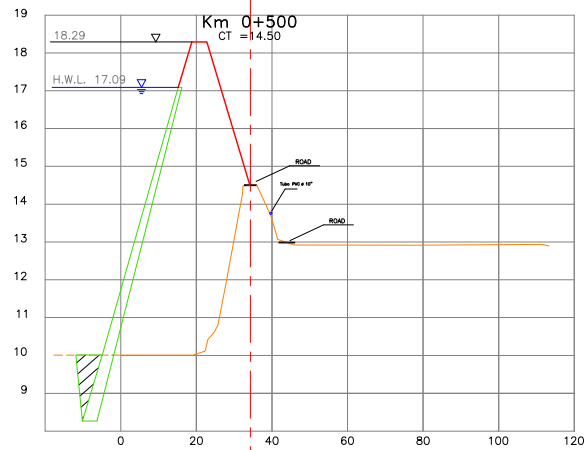
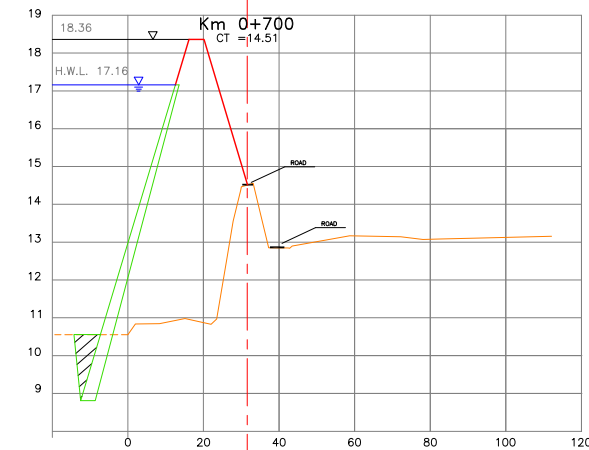
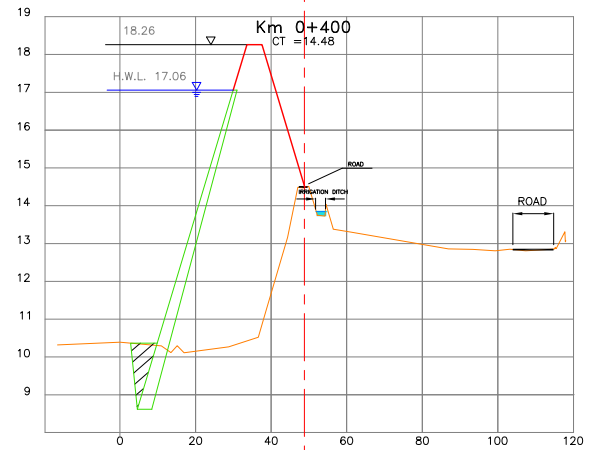
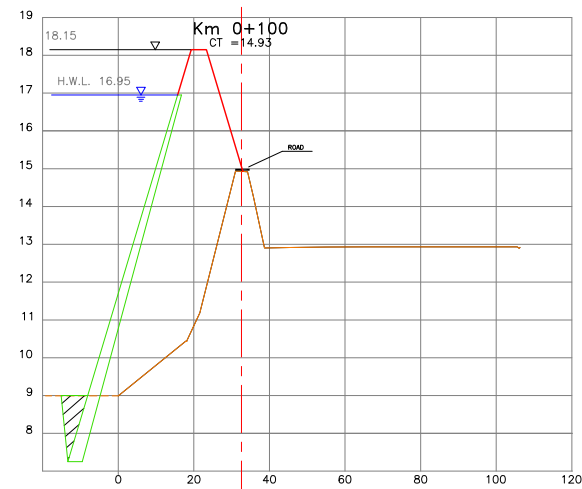
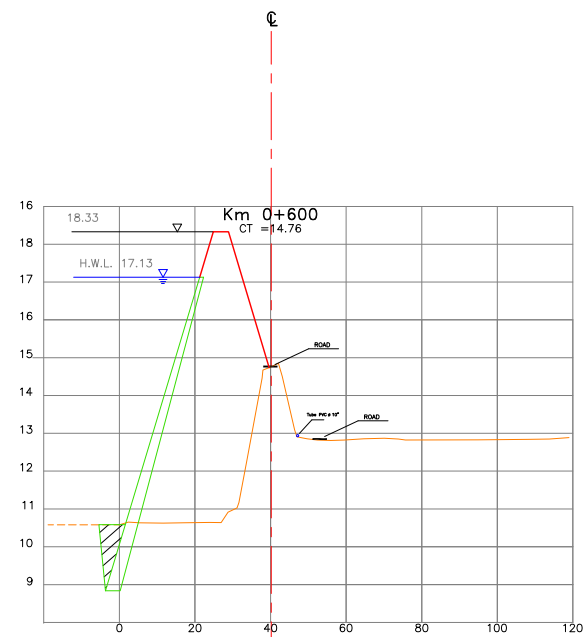
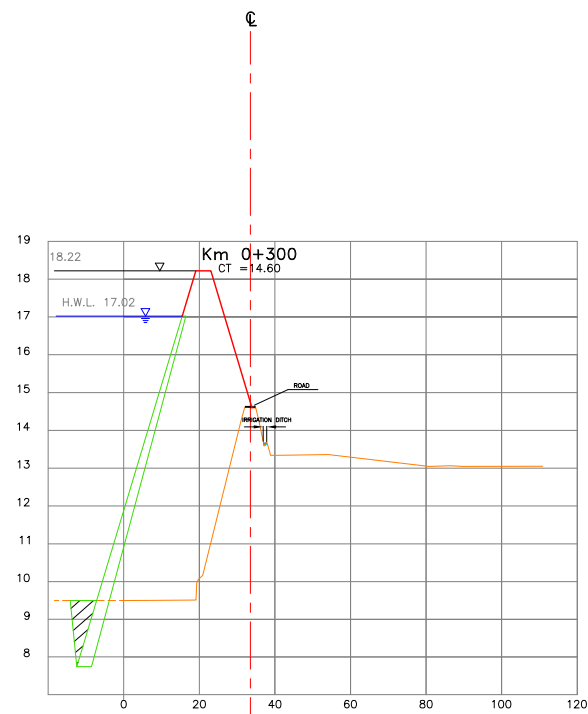
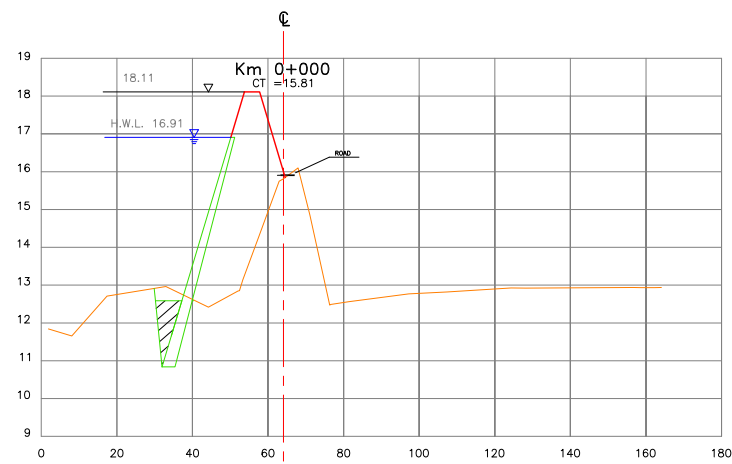
LATIN AMERICA - CARIBBEAN
NIPPON KOEI LAC CO., LTD.
Consulting Engineers

Designed by: M.SOYA
Revised by: M.KITANO
Approved by: Y.NAKAGAWA
Revised by: Y.NAKAGAWA

Project:
THE PREPARATORY STUDY ON PROJECT OF THE PROTECTION OF
FLOOD PLAIN AND VULNERABLE RURAL POPULATION AGAINST
FLOOD IN THE REPUBLIC OF PERU

Drawing:
**CHIRA RIVER: CHIRA-3
CROSS SECTIONS
KM. 0+900 - KM. 1+700**

ESCALE: INDICATED
DATE: MARCH - 2013
CODE: **CHIRA-3-ST-02**



NOTE: The scale indicated, corresponds to the format A-1 to Format A-3, consider twice.

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

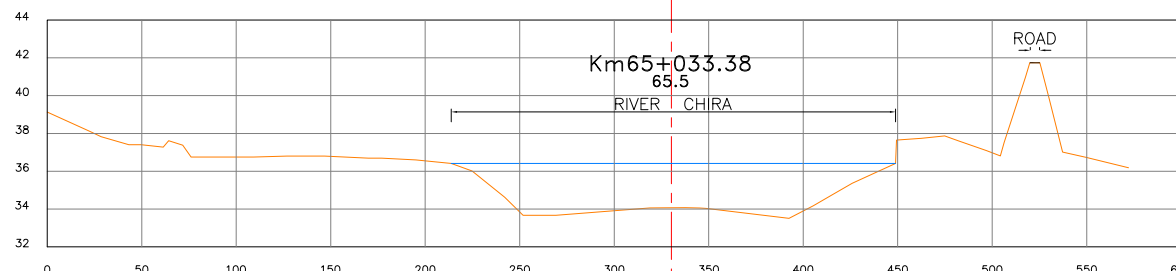
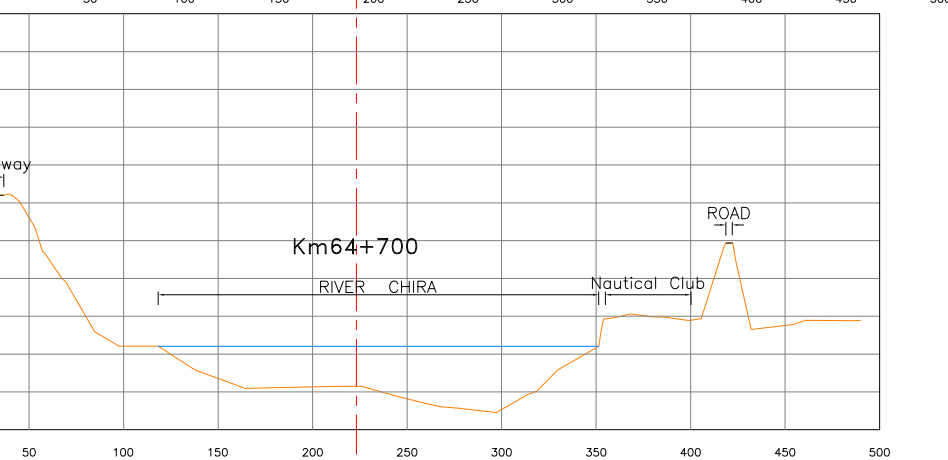
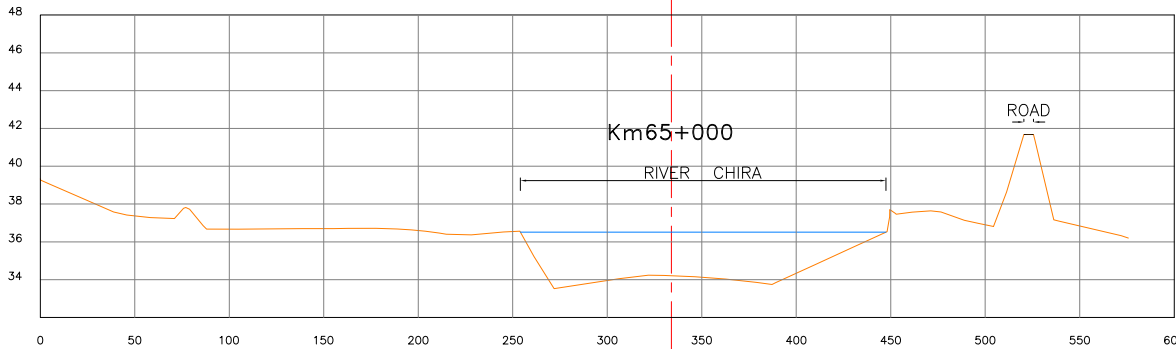
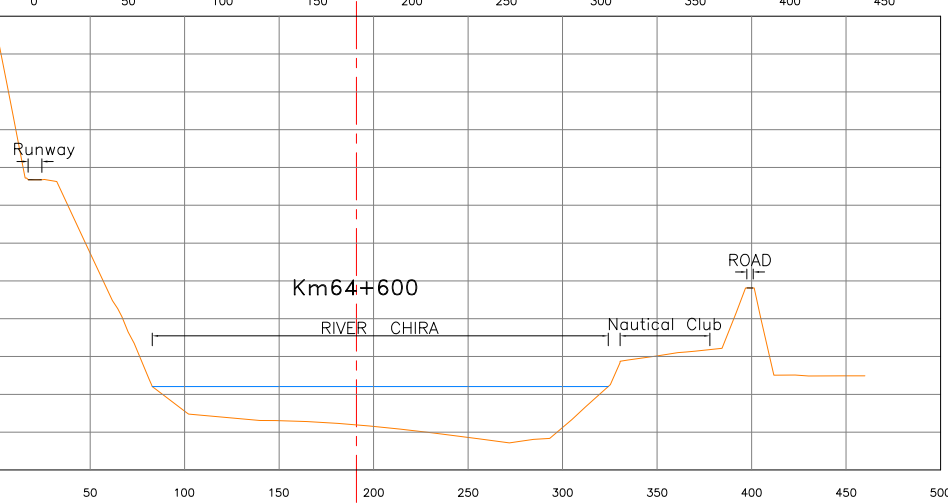
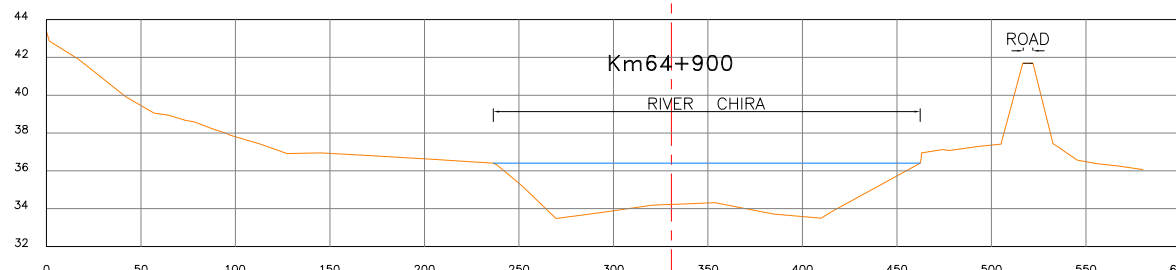
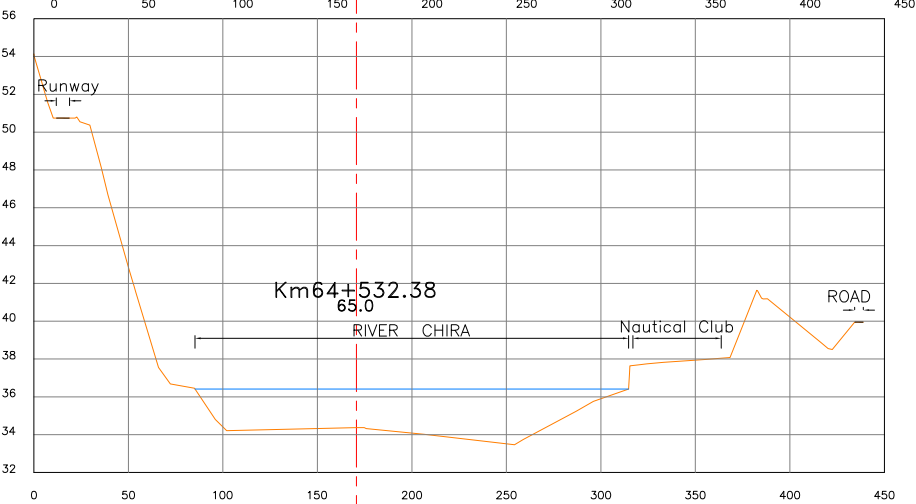
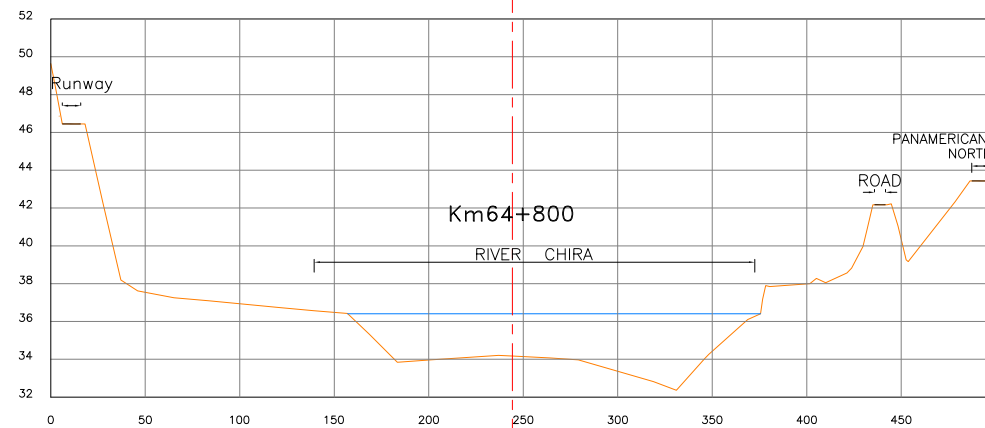
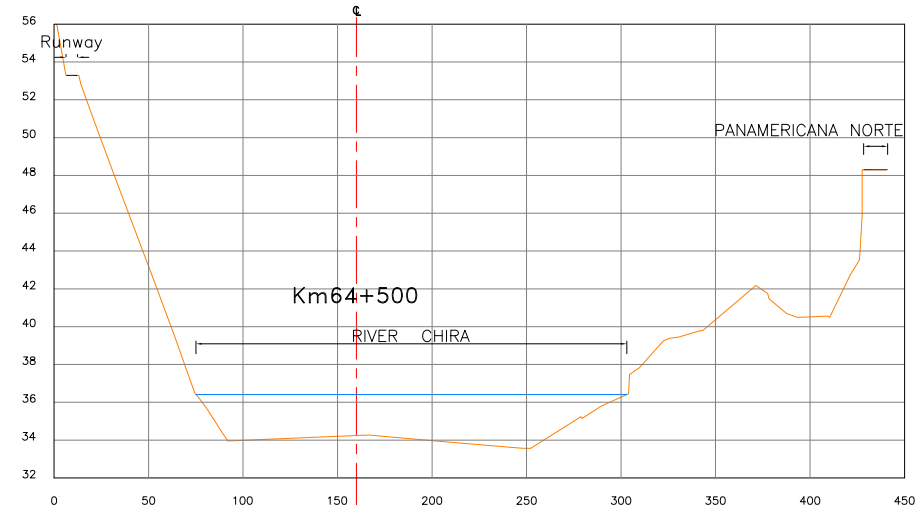
1:200 0 5 10 15

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



NOTE: The scale indicated, corresponds to the format A-1 to Format A-3, consider twice.



Consultants:



Yachyo Engineering Co., Ltd.



NIPPON KOEI CO., LTD.

LATIN AMERICA - CARIBBEAN



NIPPON KOEI LAC CO., LTD. Consulting Engineers

Designed by: M.SOYA
Revised by: M.KITANO
Approved by: Y.NAKAGAWA
Revised by: Y.NAKAGAWA

Project:
THE PREPARATORY STUDY ON PROJECT OF THE PROTECTION OF FLOOD PLAIN AND VULNERABLE RURAL POPULATION AGAINST FLOOD IN THE REPUBLIC OF PERU

Drawing:

**CHIRA RIVER: CHIRA-4
CROSS SECTIONS
KM. 64+500 - KM. 65+033.89**

ESCALE: INDICATED

DATE: MARCH - 2013

CODE: CHIRA-4-ST-03

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

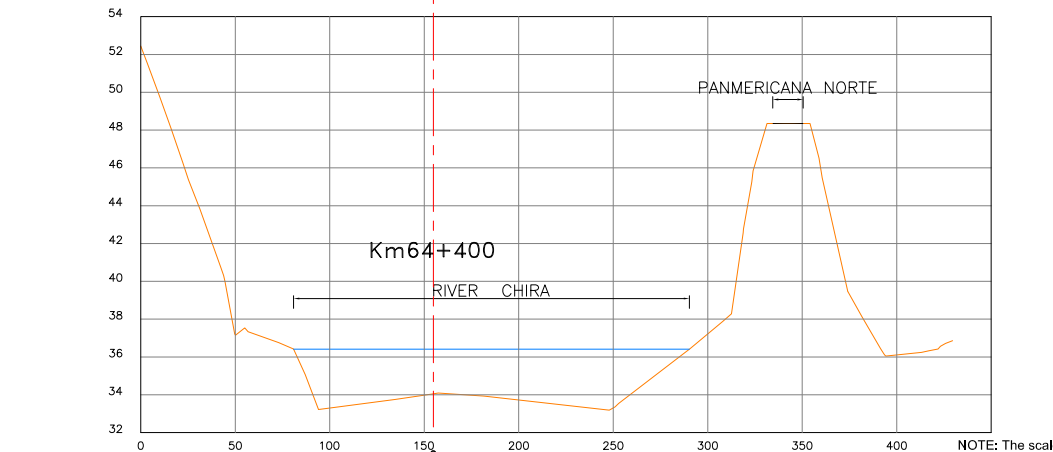
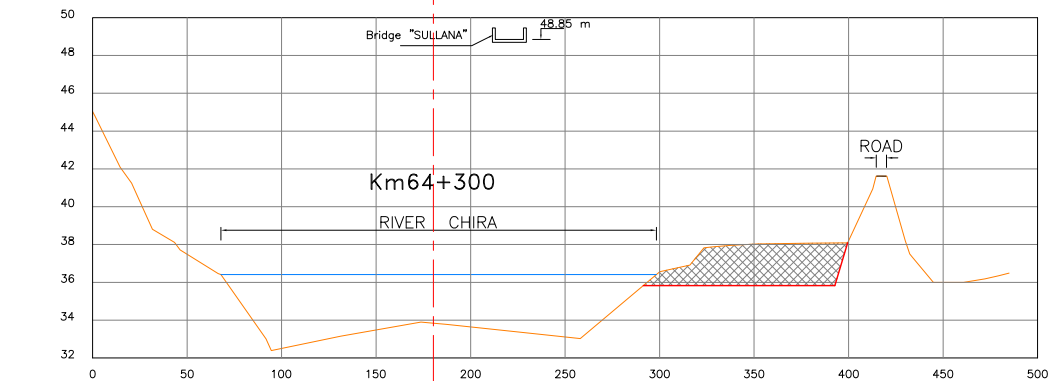
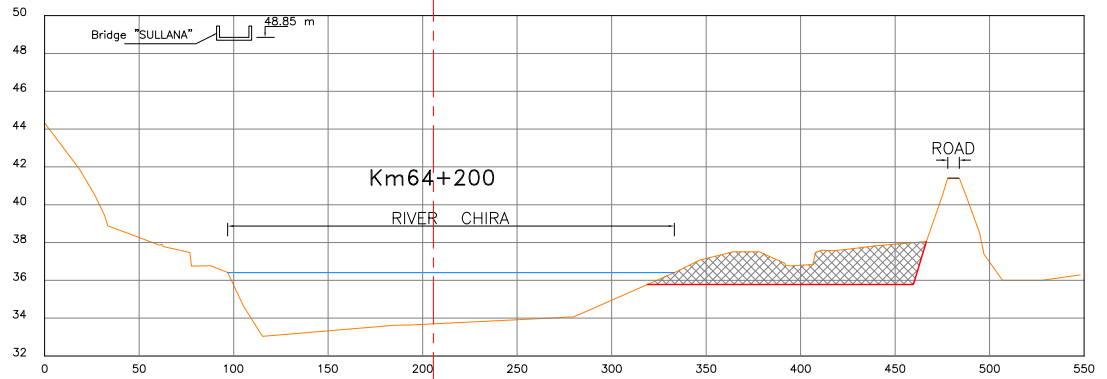
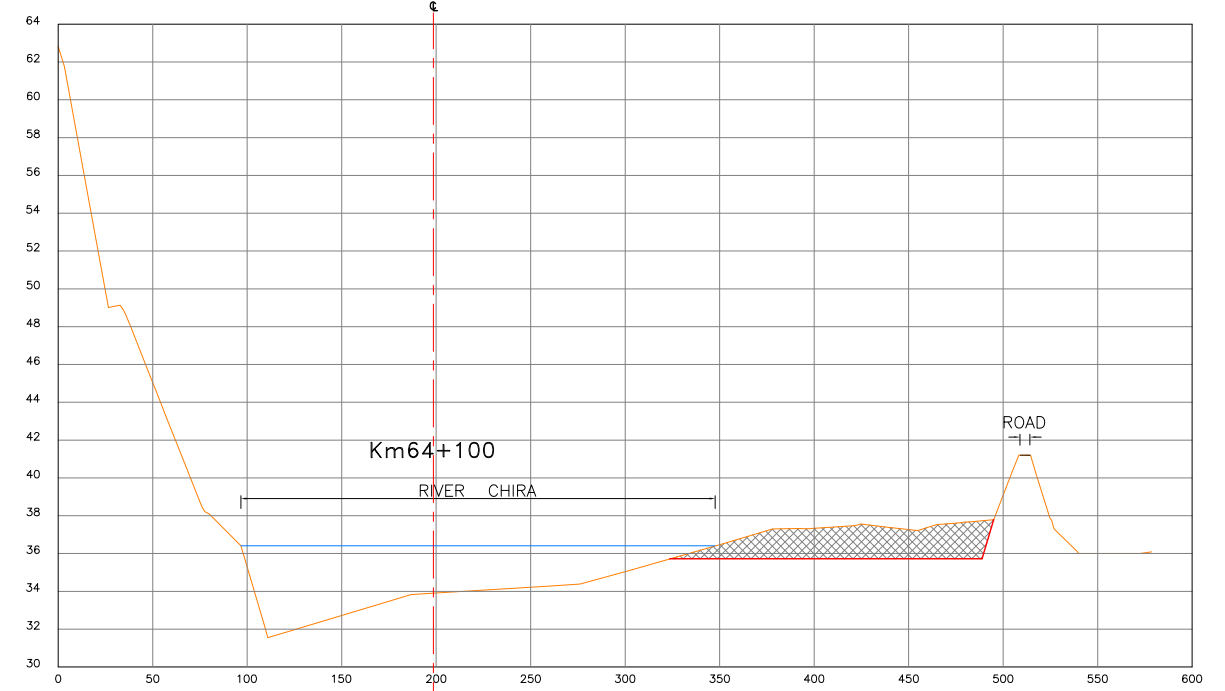
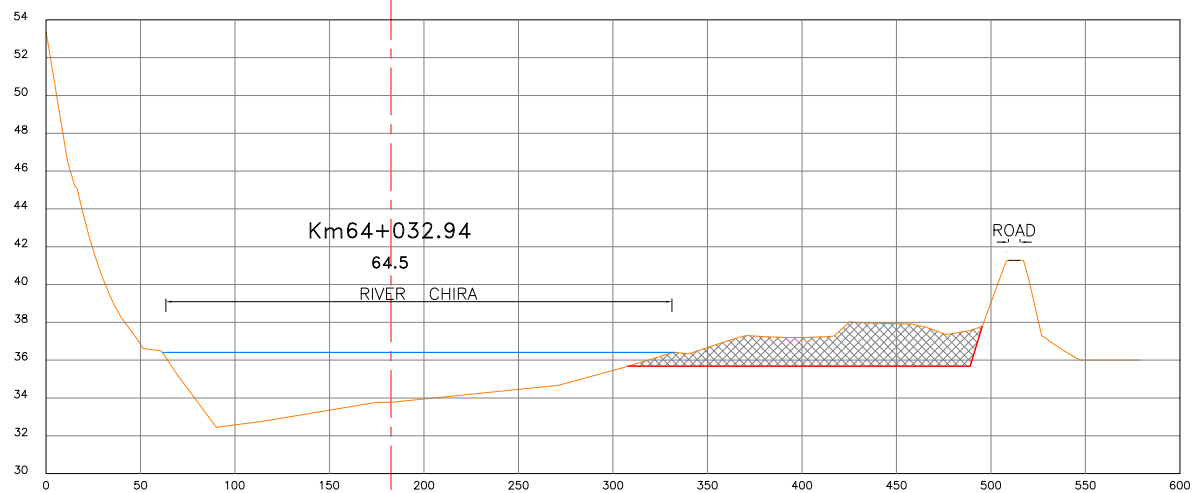
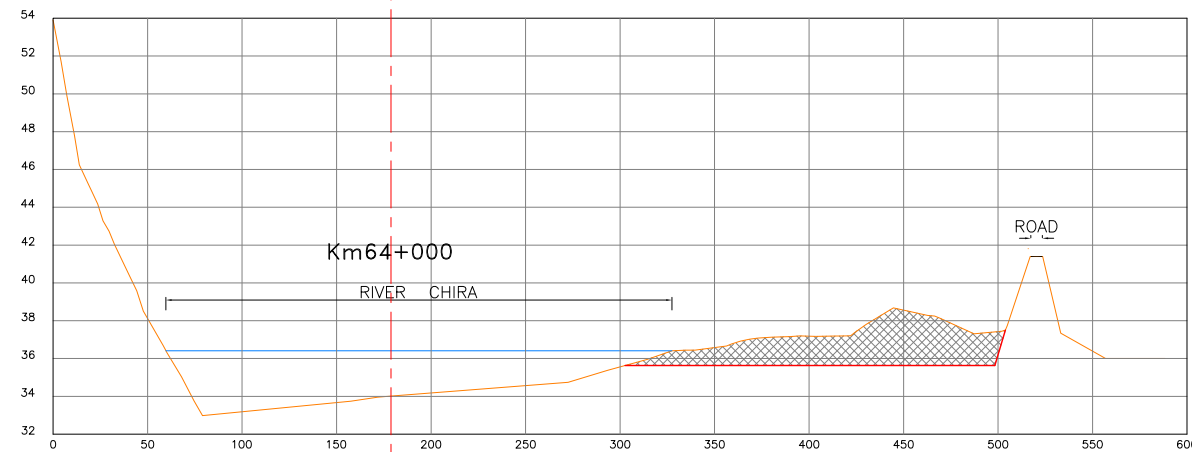
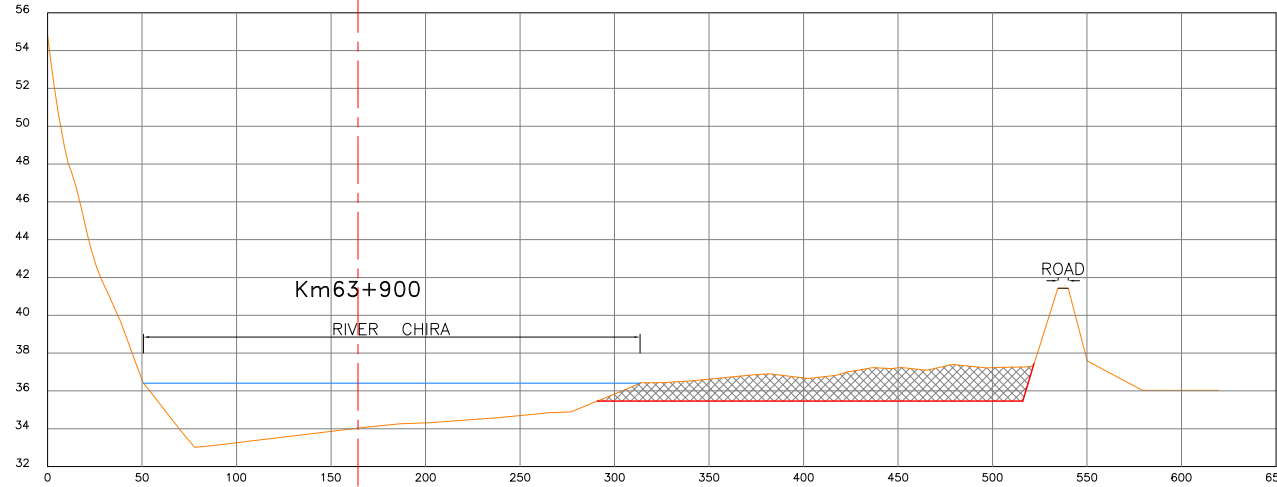
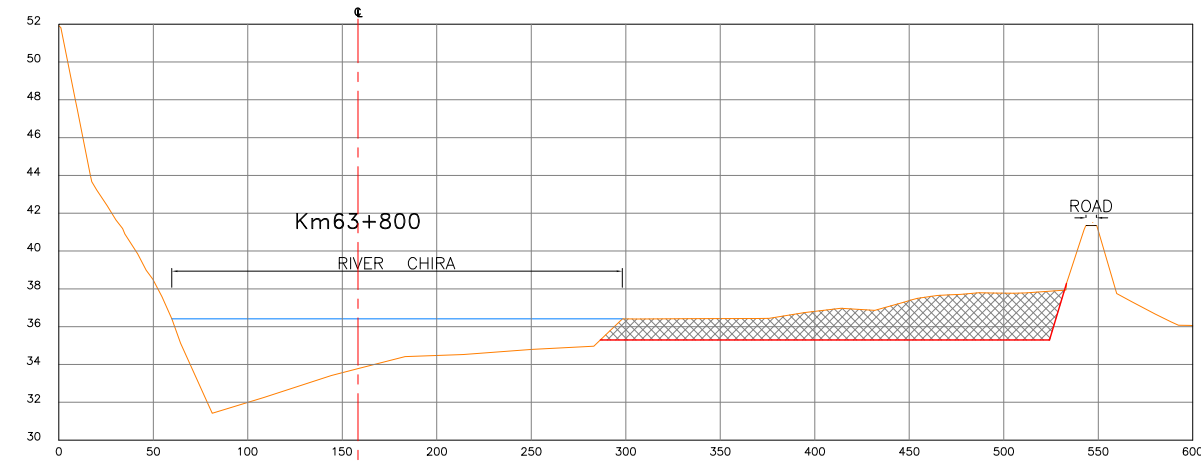
1:200 0 5 10 15

1:250 0 5 10 15 20

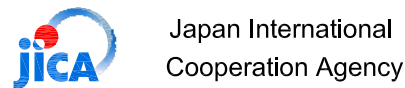
1:333.3 0 5 10 15 20 25 30

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

1:750 0 10 20 30 40 50 60



NOTE: The scale indicated, corresponds to the format A-1 to Format A-3, consider twice.



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



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

Designed by: M.SOYA
Revised by: M.KITANO
Approved by: Y.NAKAGAWA
Revised by: Y.NAKAGAWA

Project:
THE PREPARATORY STUDY ON PROJECT OF THE PROTECTION OF
FLOOD PLAIN AND VULNERABLE RURAL POPULATION AGAINST
FLOOD IN THE REPUBLIC OF PERU

Drawing:
CHIRA RIVER: CHIRA-4
SECCIONES TRANSVERSALES
KM. 63+800 - KM. 64+400

ESCALE: INDICATED
DATE: MARCH - 2013
CODE: **CHIRA-4-ST-02**

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

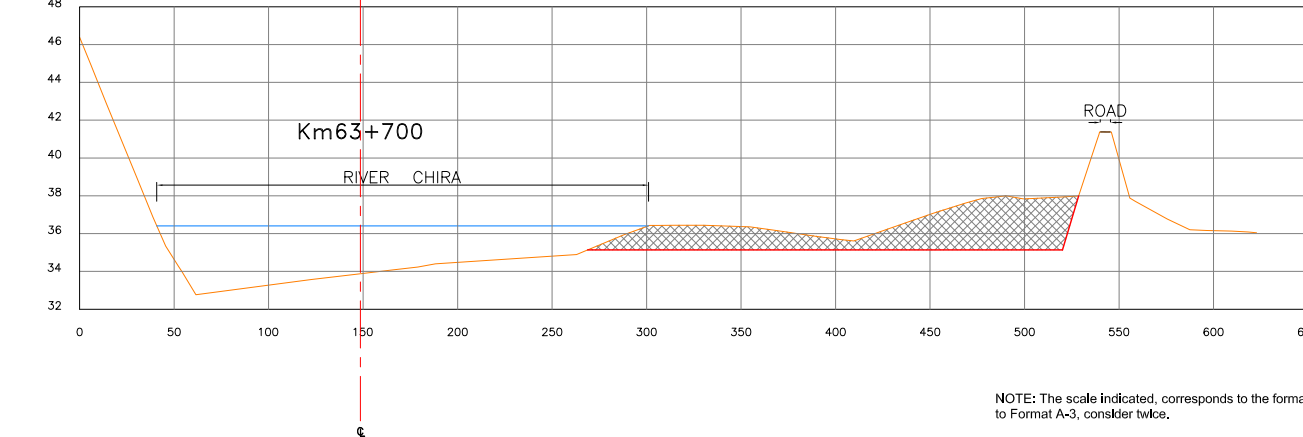
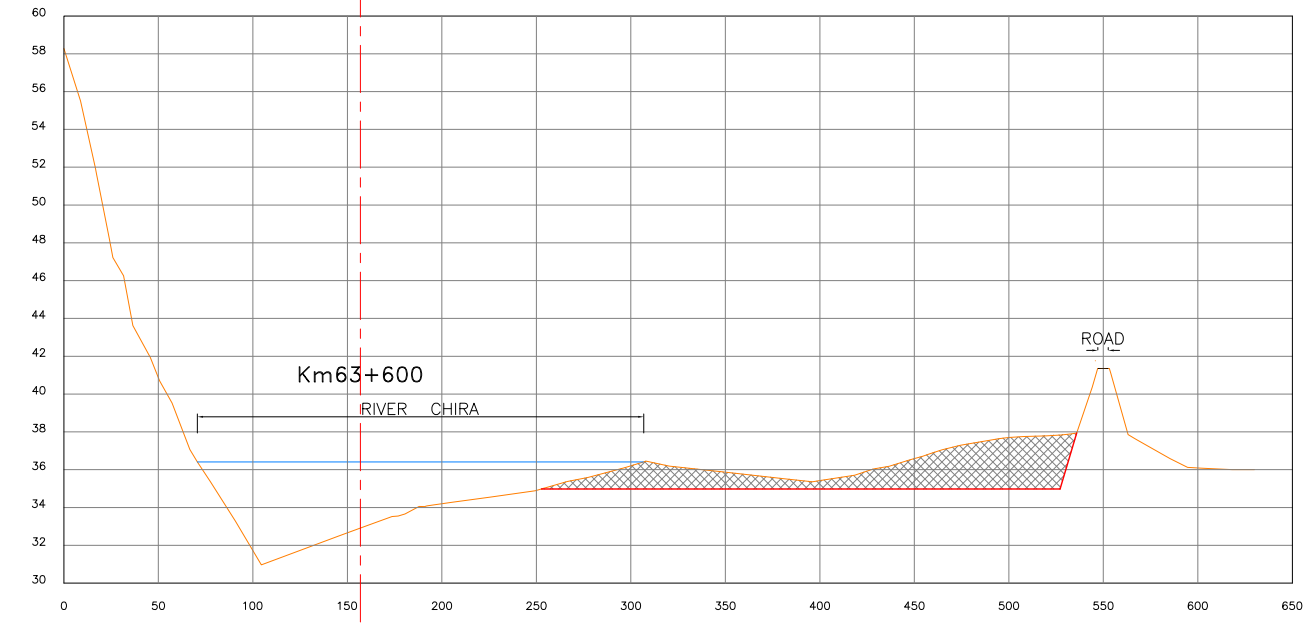
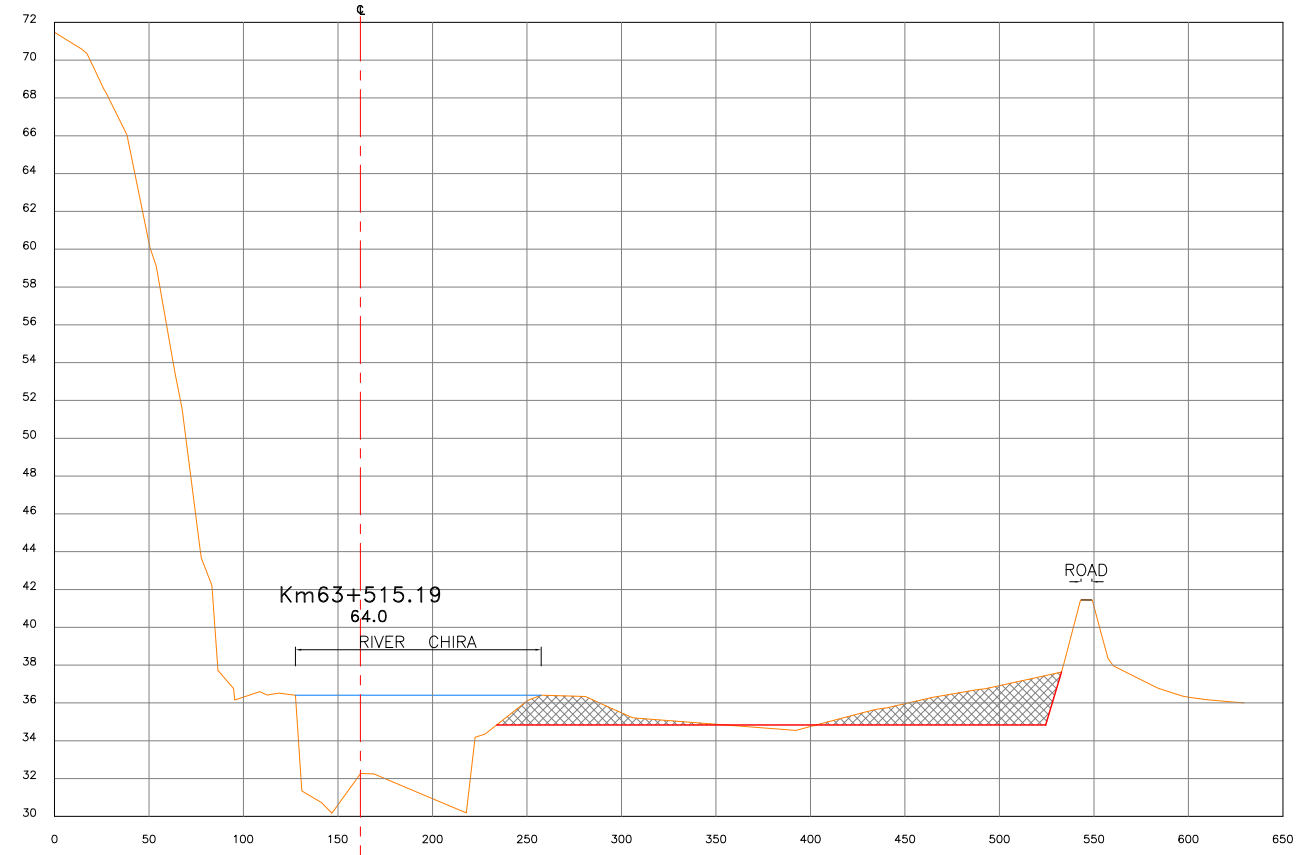
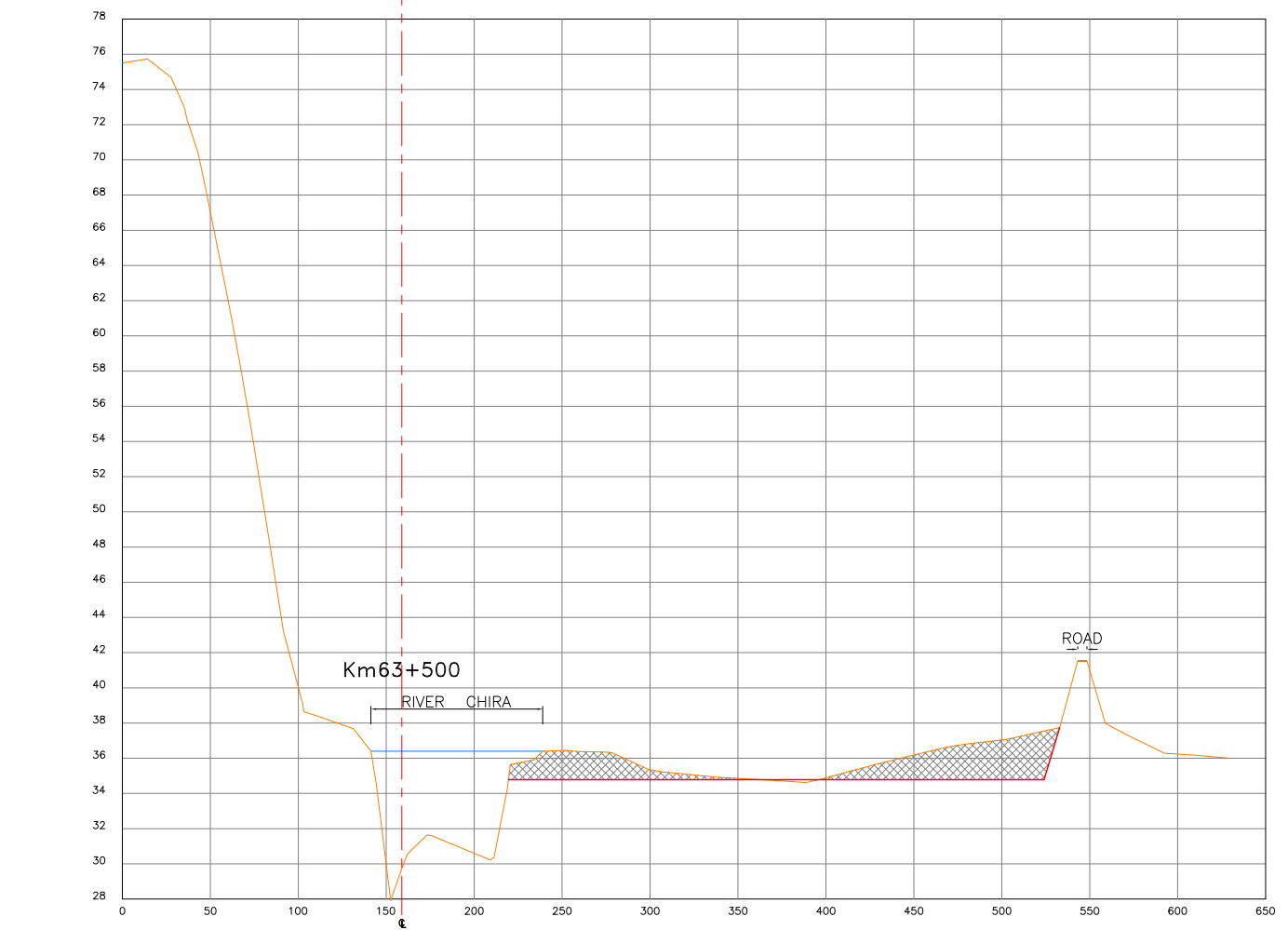
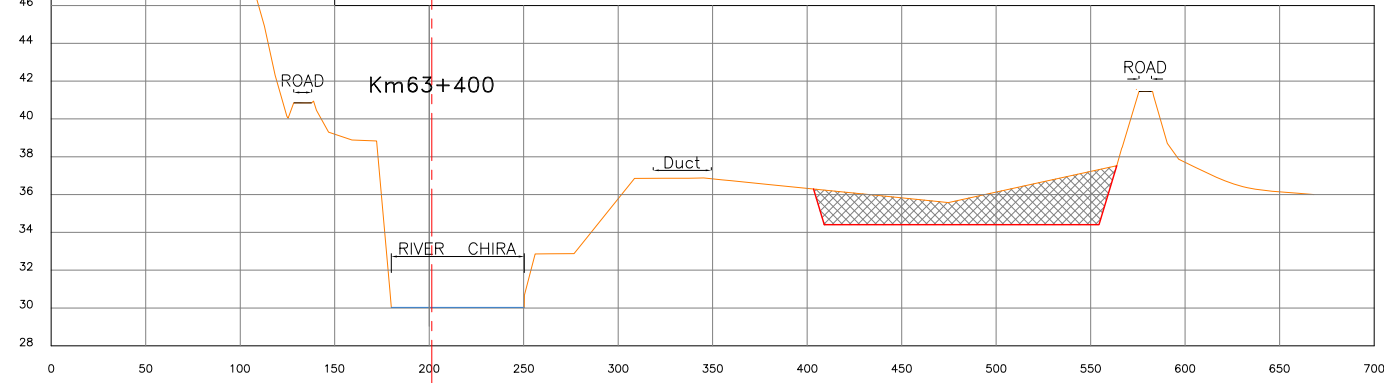
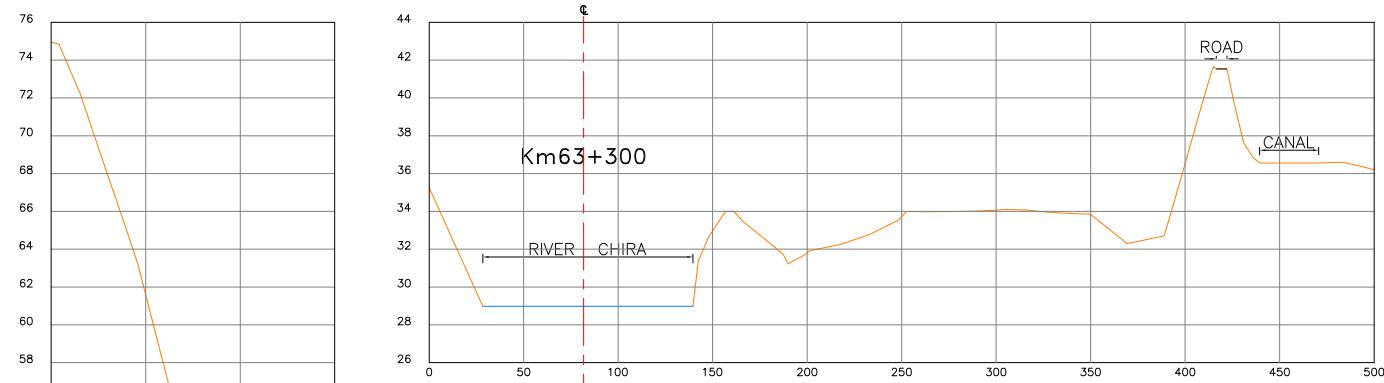
1:200 0 5 10 15

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



NOTE: The scale indicated, corresponds to the format A-1 to Format A-3, consider twice.



Consultants: Yec Yachyo Engineering Co., Ltd.



Designed by: M.SOYA
Revised by: M.KITANO
Approved by: Y.NAKAGAWA
Revised by: Y.NAKAGAWA

Project: THE PREPARATORY STUDY ON PROJECT OF THE PROTECTION OF FLOOD PLAIN AND VULNERABLE RURAL POPULATION AGAINST FLOOD IN THE REPUBLIC OF PERU

Drawing: CHIRA RIVER: CHIRA-4 CROSS SECTIONS KM. 63+300 - KM. 63+700

ESCALE: INDICATED
DATE: MARCH - 2013
CODE: CHIRA-4-ST-01

