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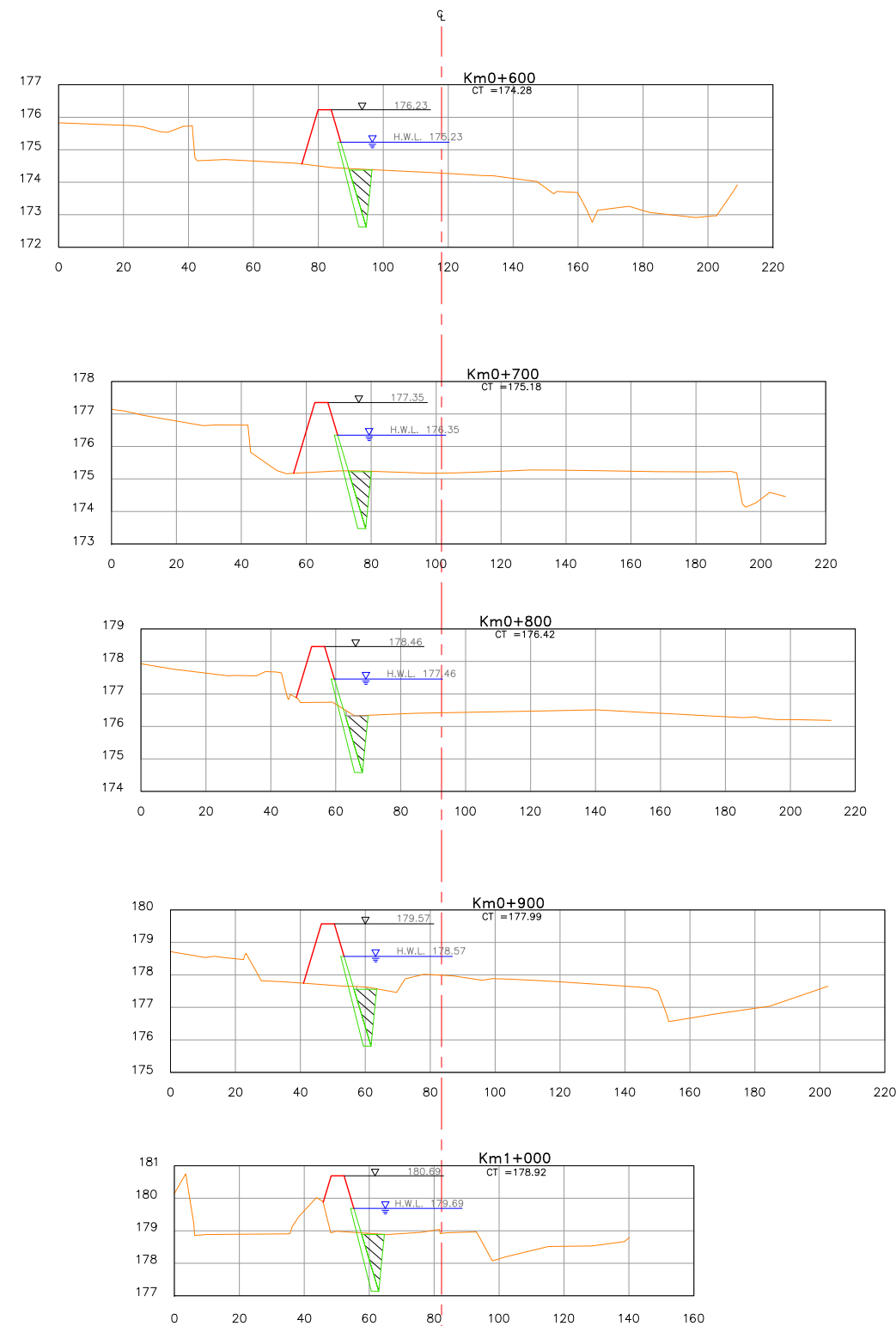
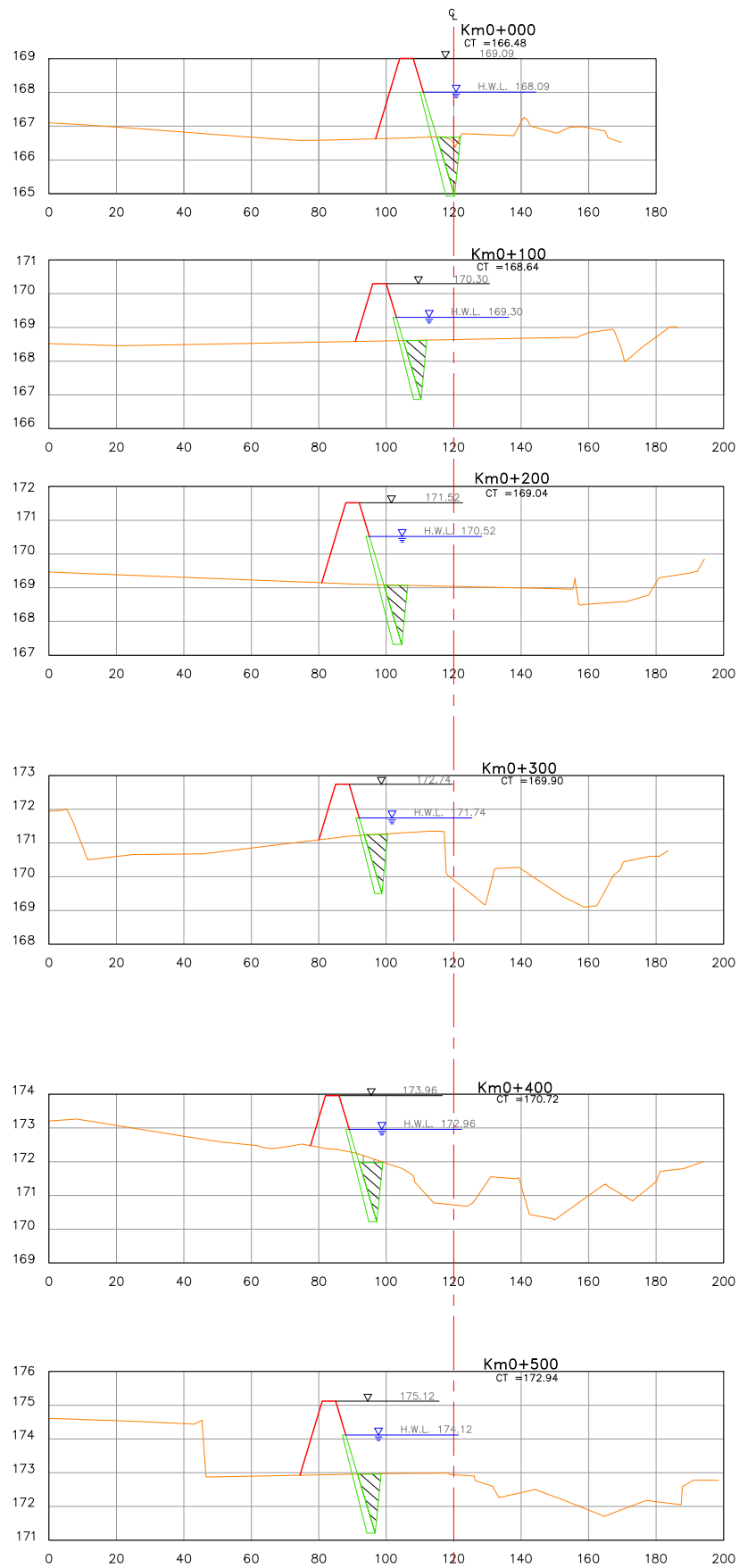
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1:250 0 5 10 15 20

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:

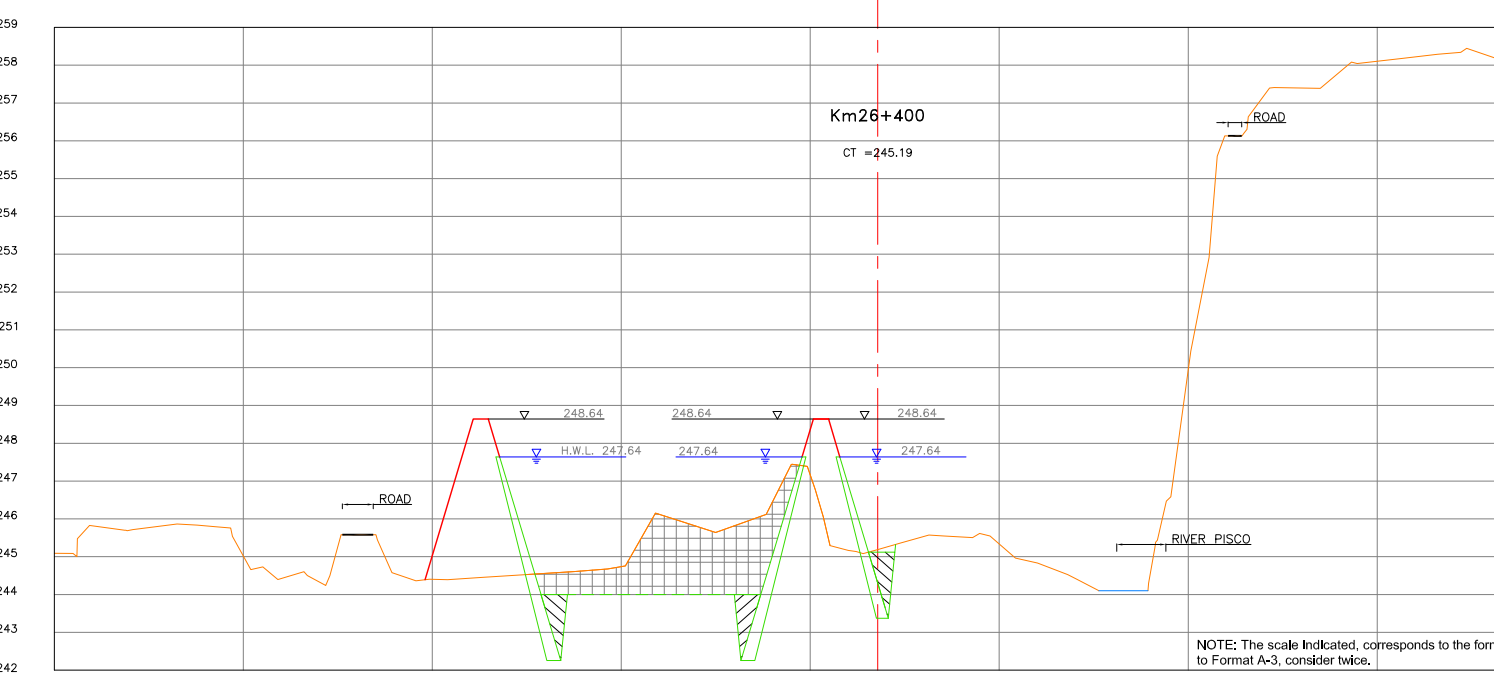
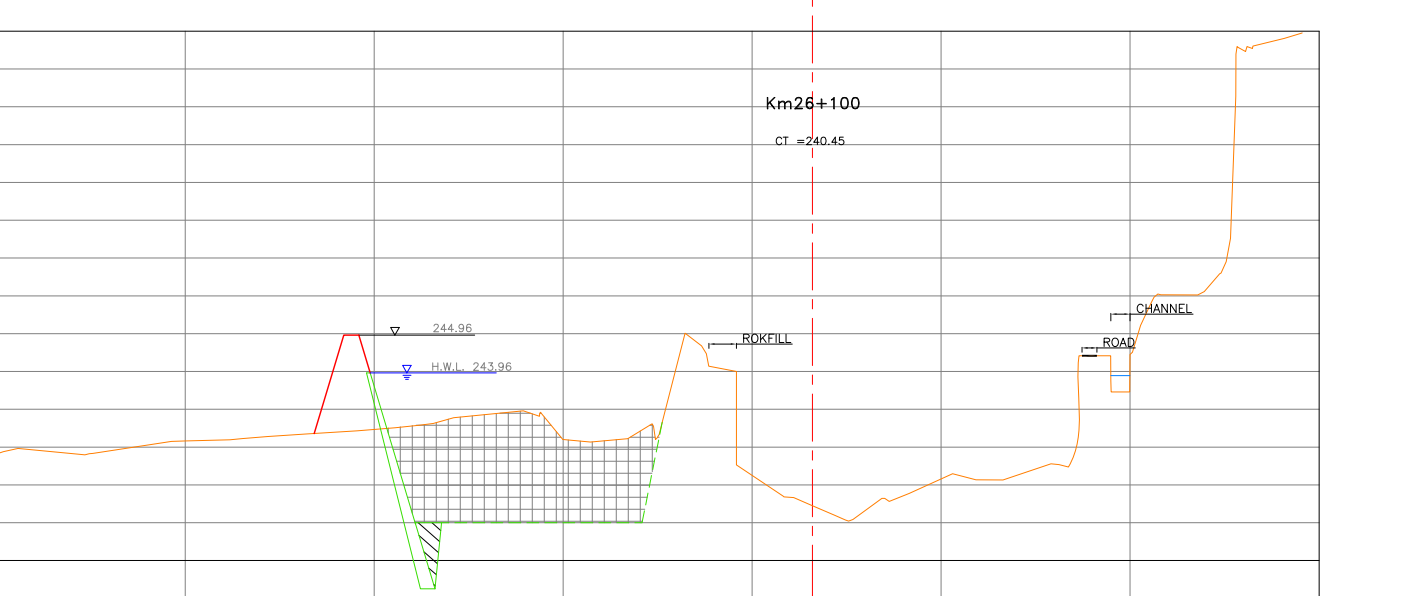
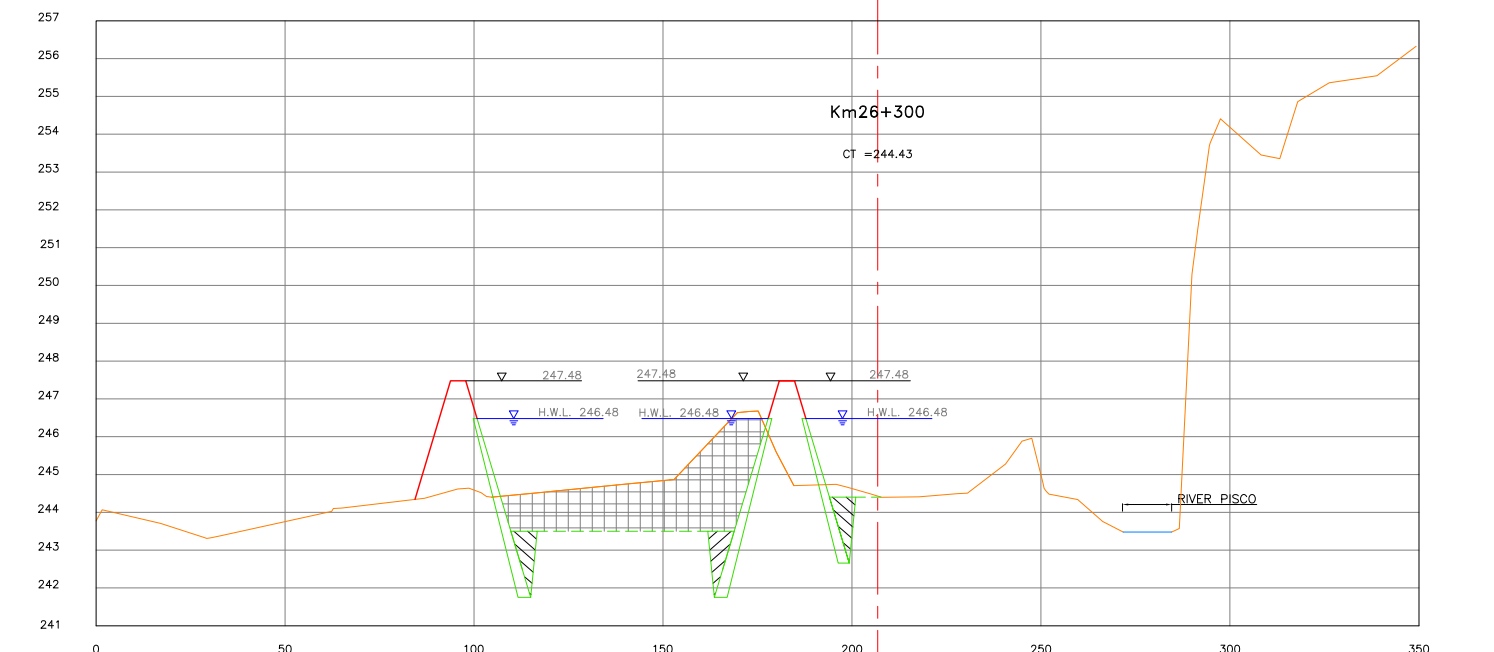
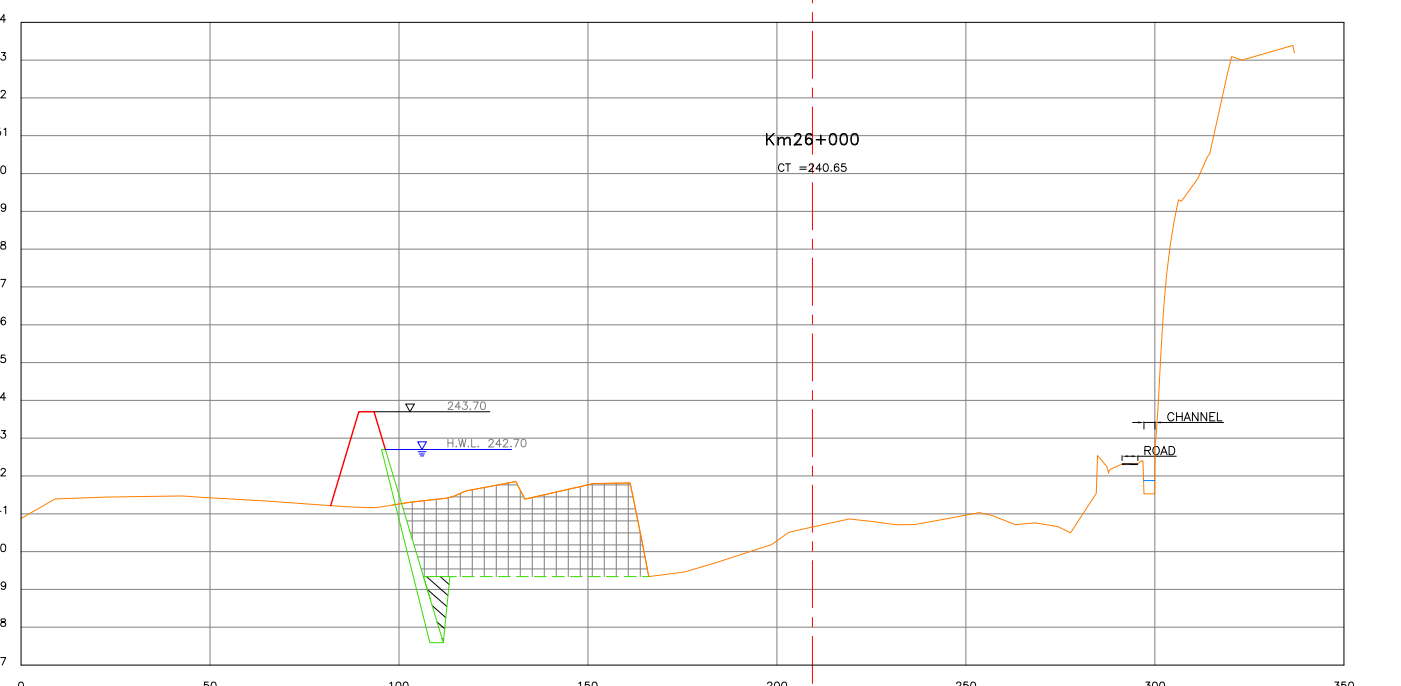
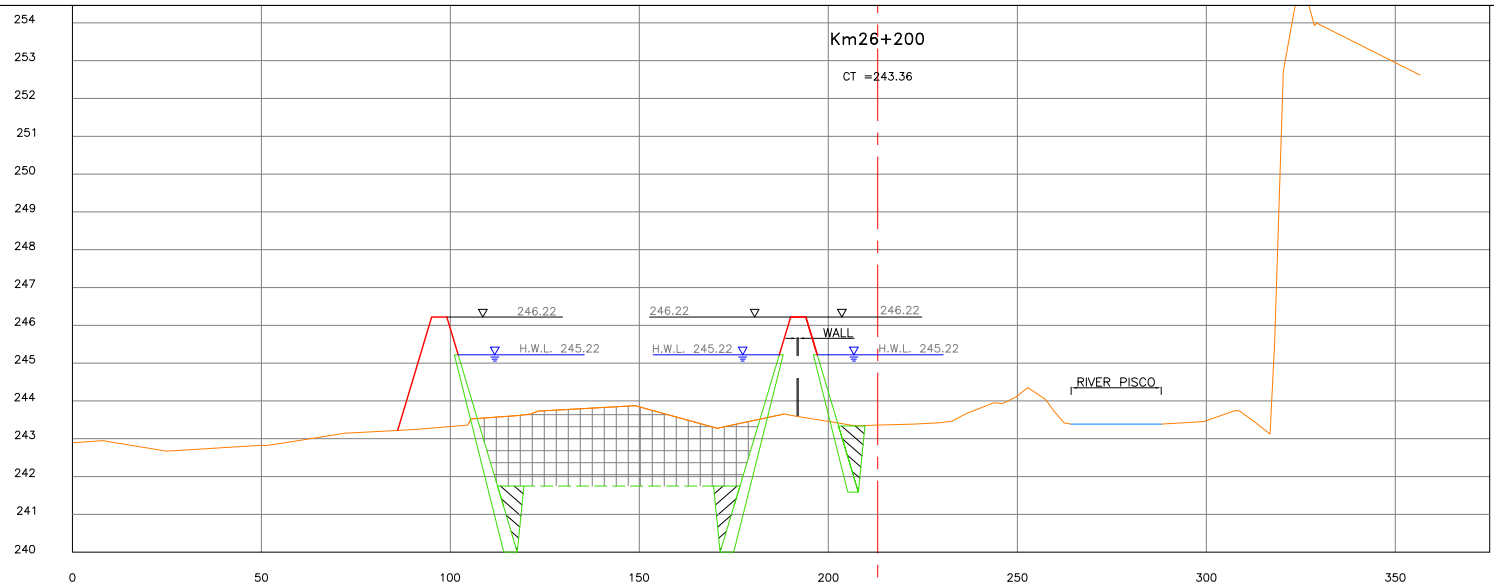
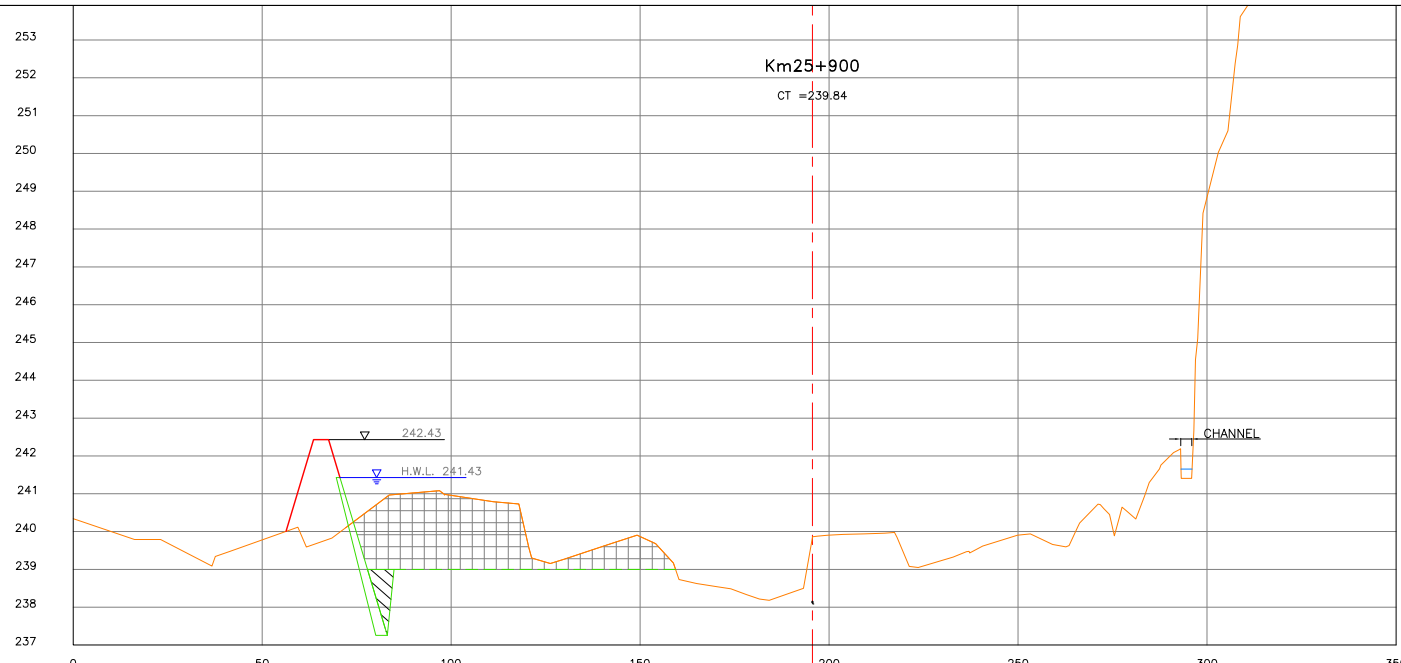


Designed by: M.SOYA  
 Revised by: M.KITANO  
 Approved by: Y.NAKAGAWA  
 Revised by: Y.NAKAGAWA

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

Drawing:  
**PISCO RIVER: PI-4  
 CROSS SECTIONS  
 Km. 0+000 - Km. 1+000**

ESCALE: INDICATED  
 DATE: MARCH - 2013  
 CODE: **PI-4-ST-01**



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

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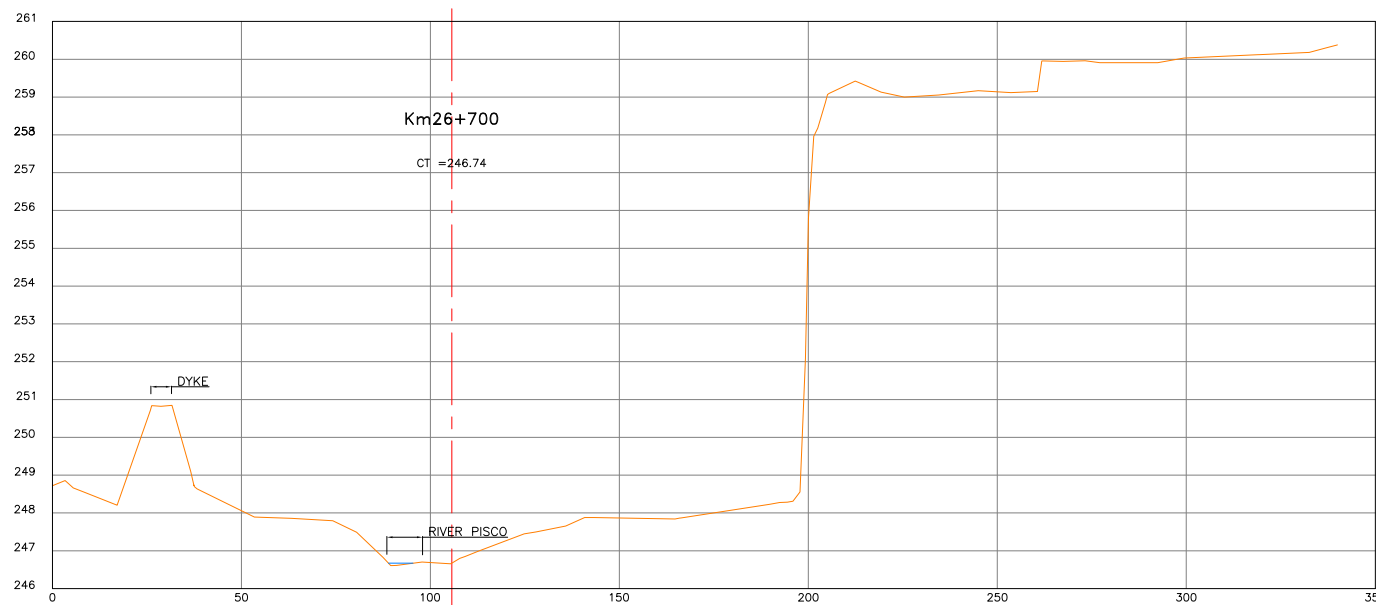
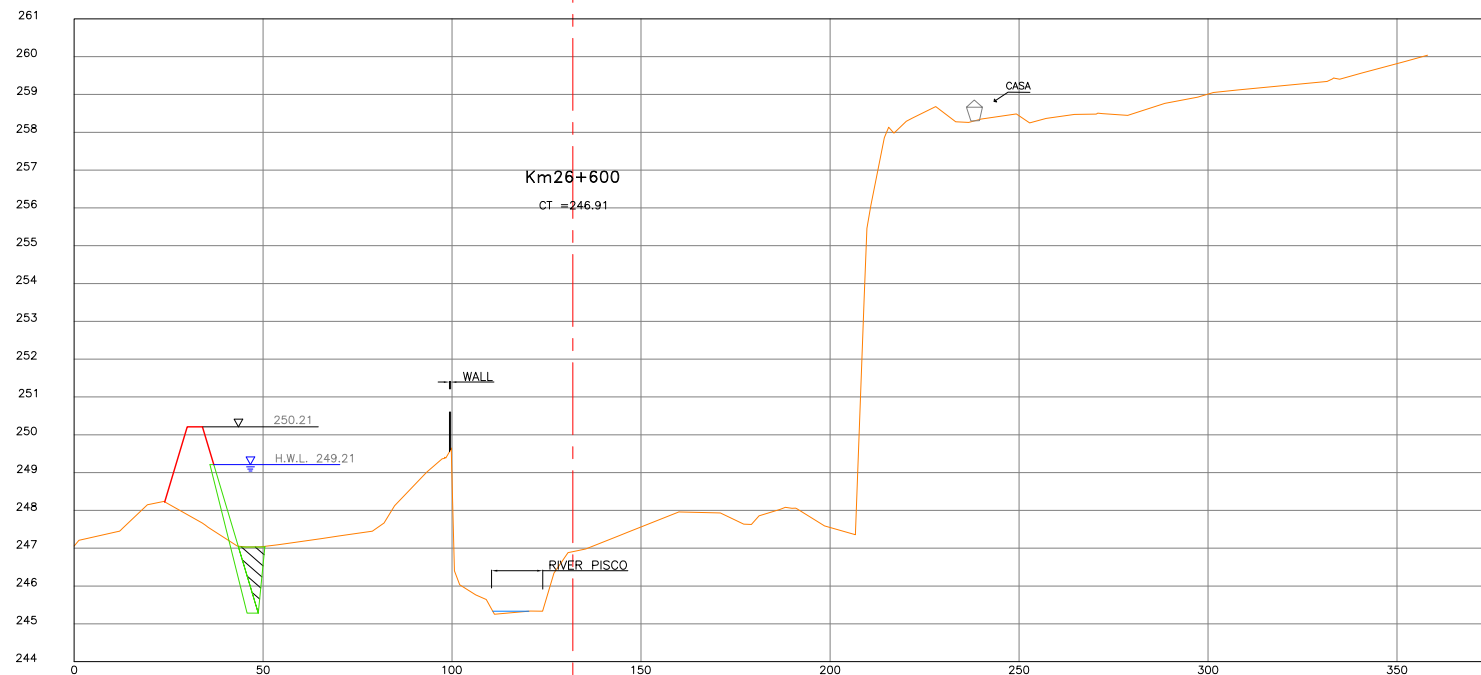
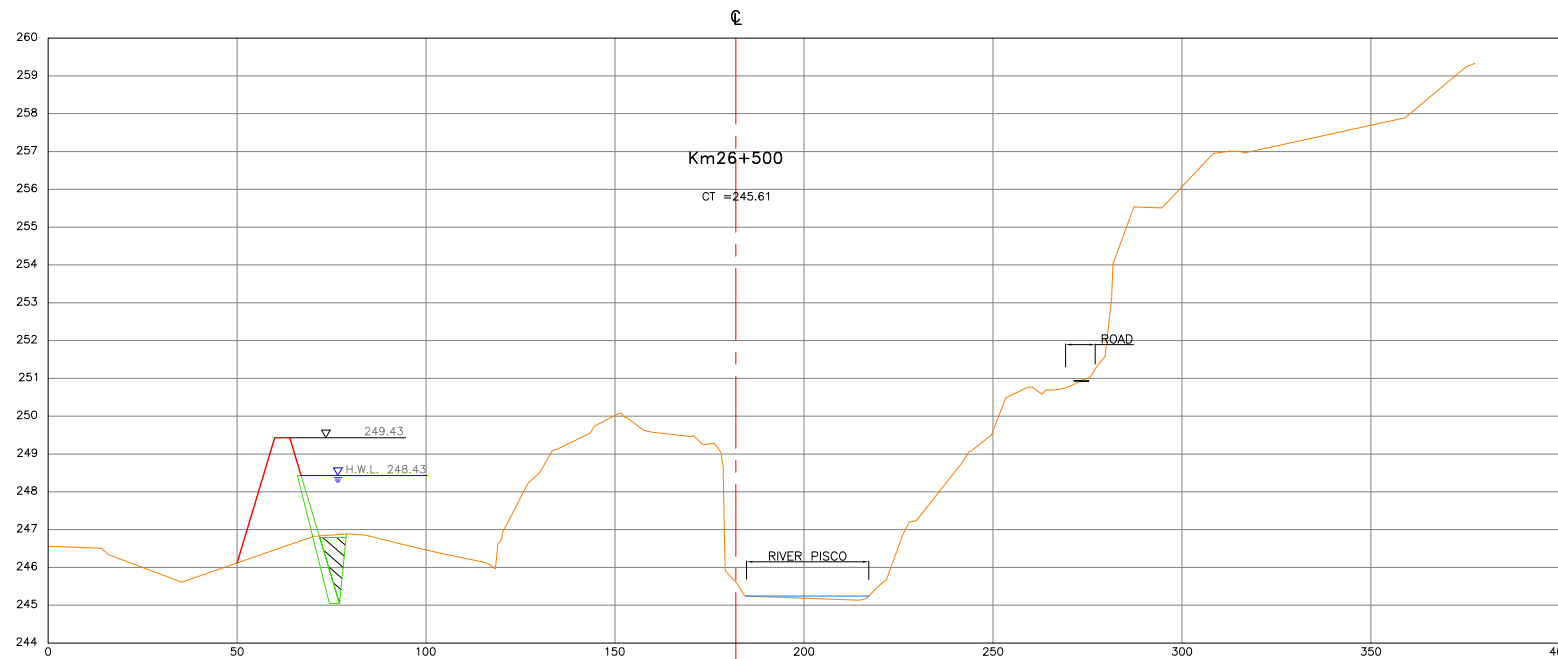
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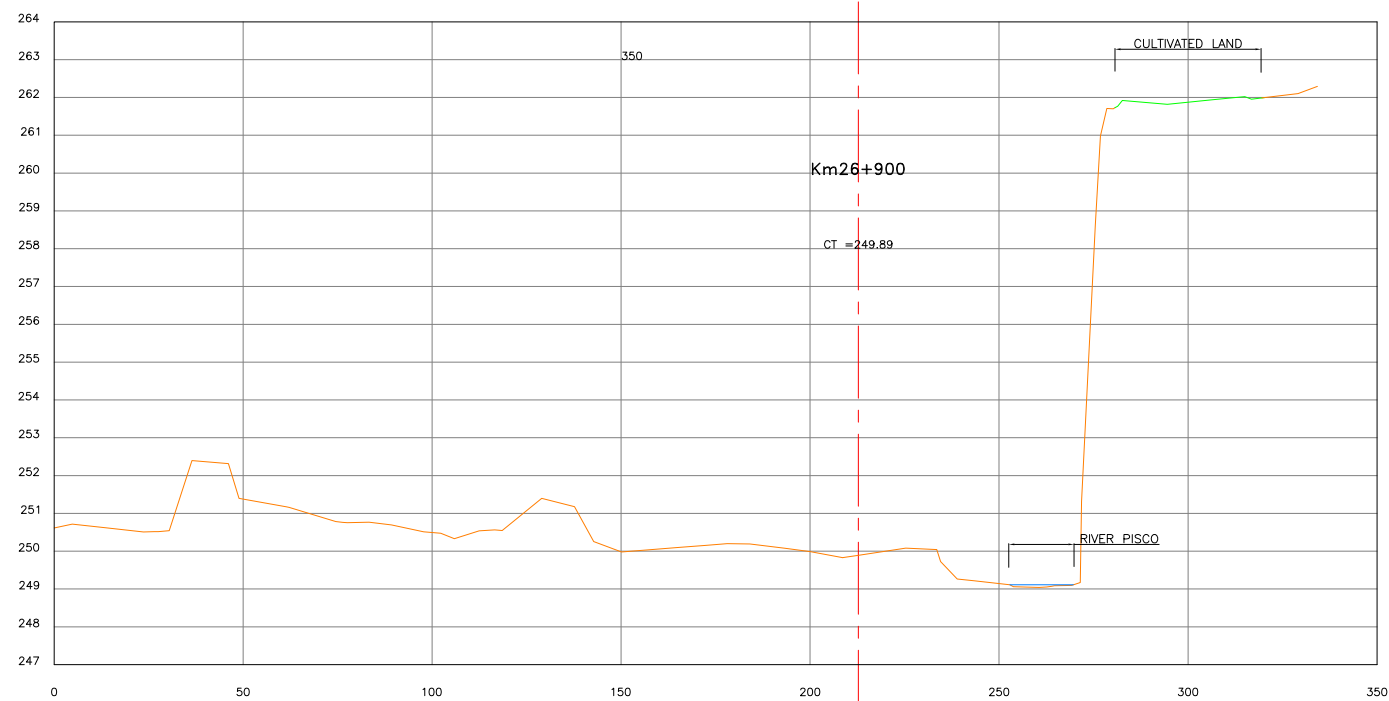
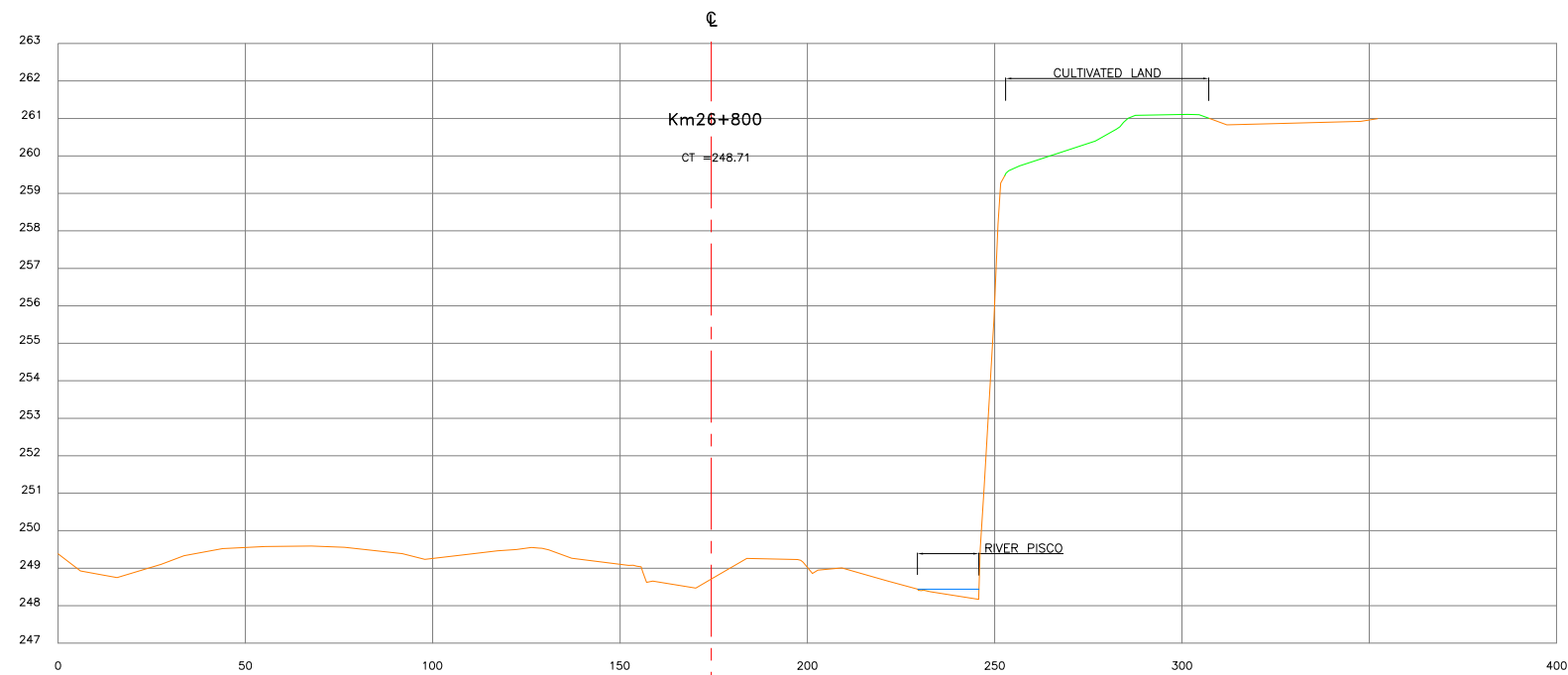
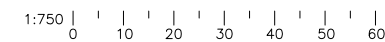
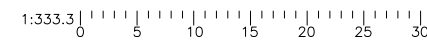
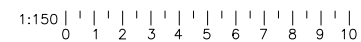
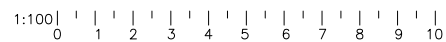
1:333.3 0 5 10 15 20 25 30

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.



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

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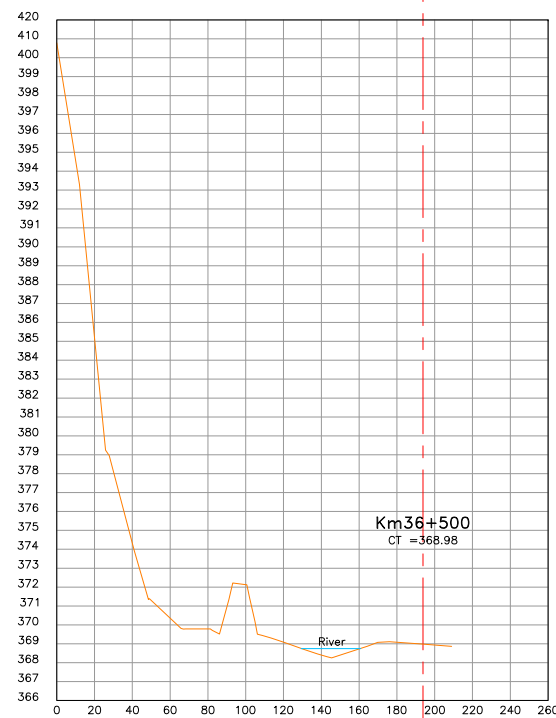
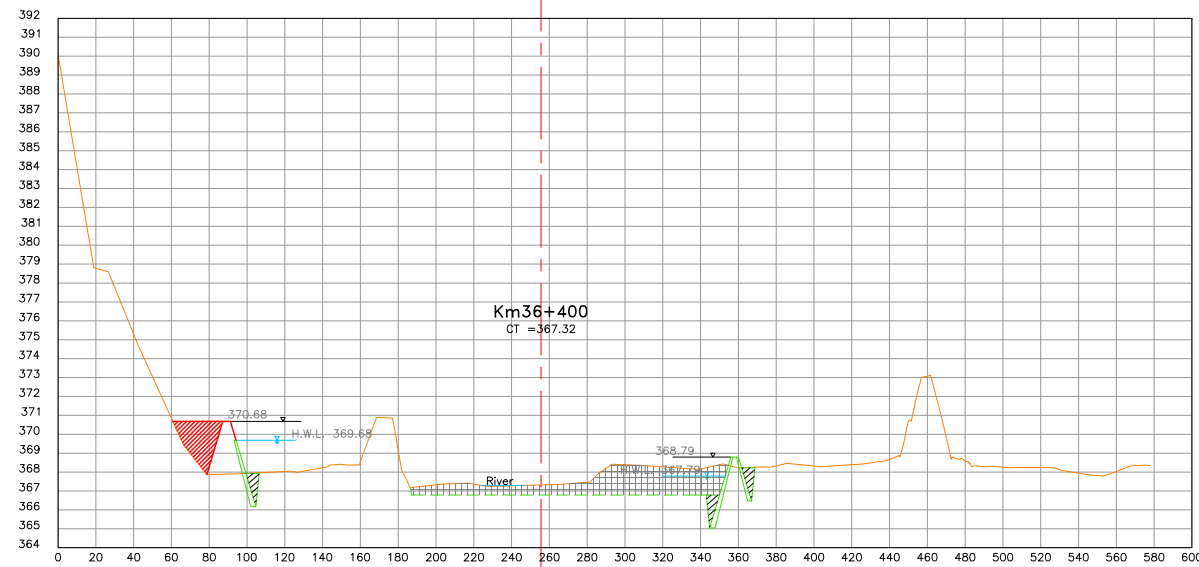
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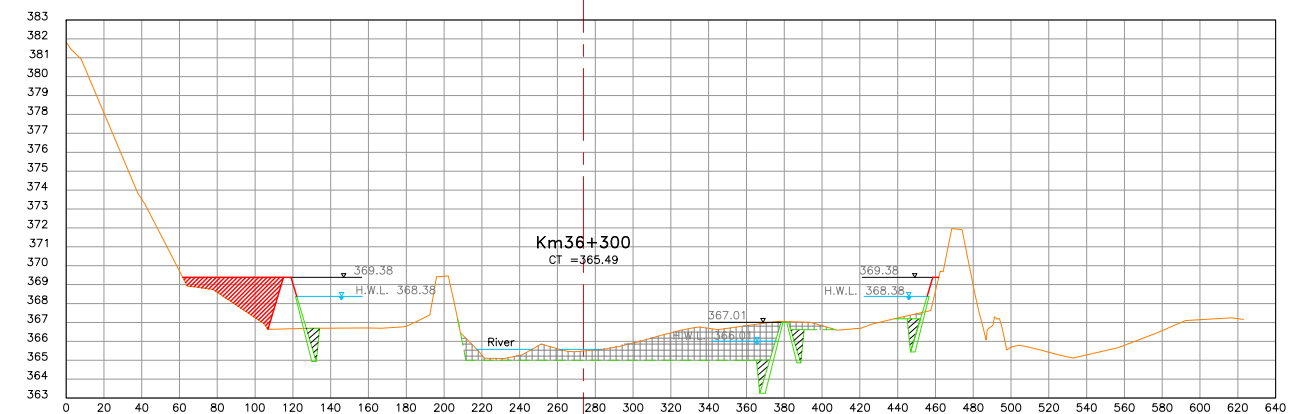
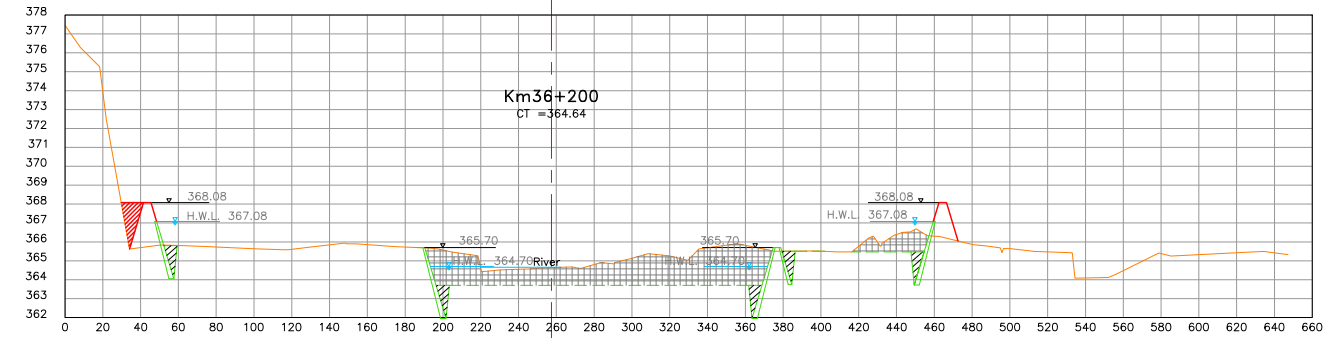
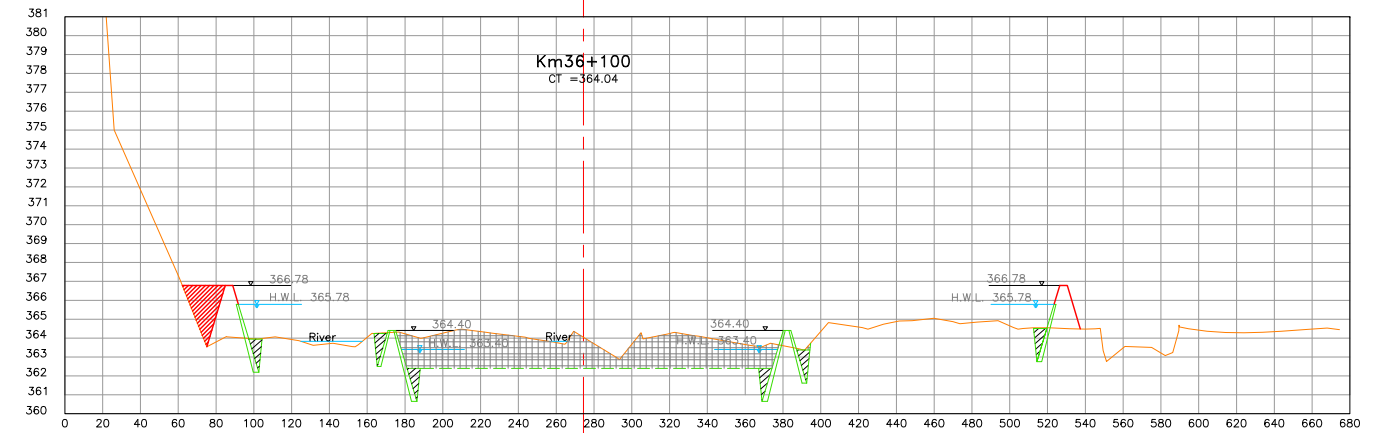
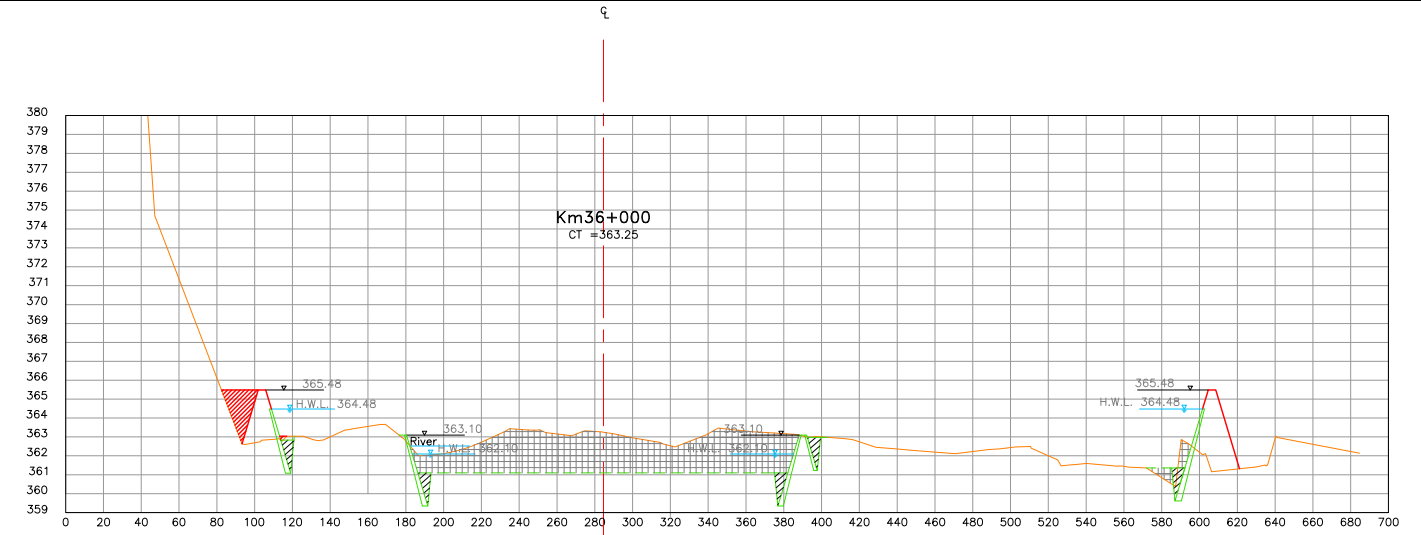
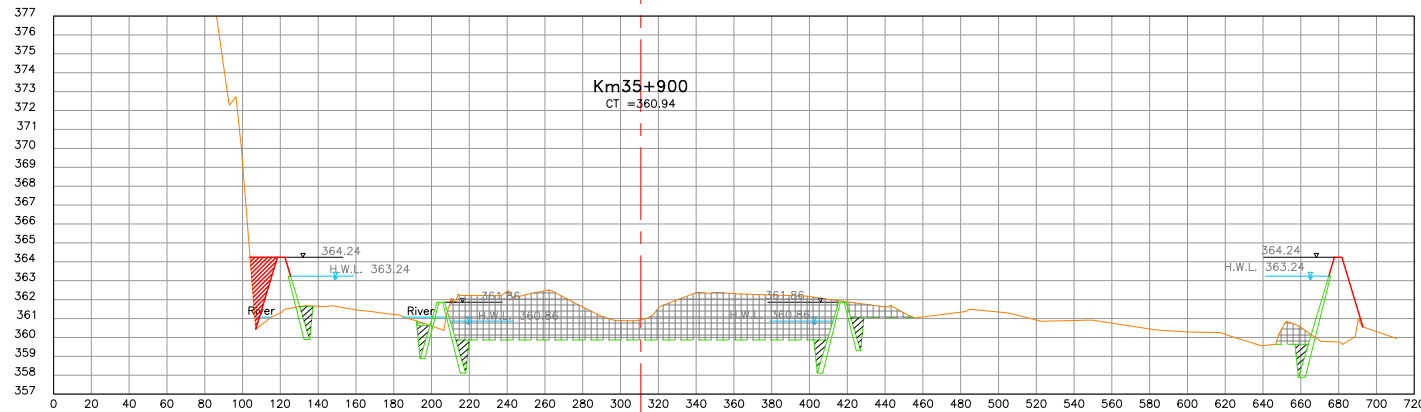
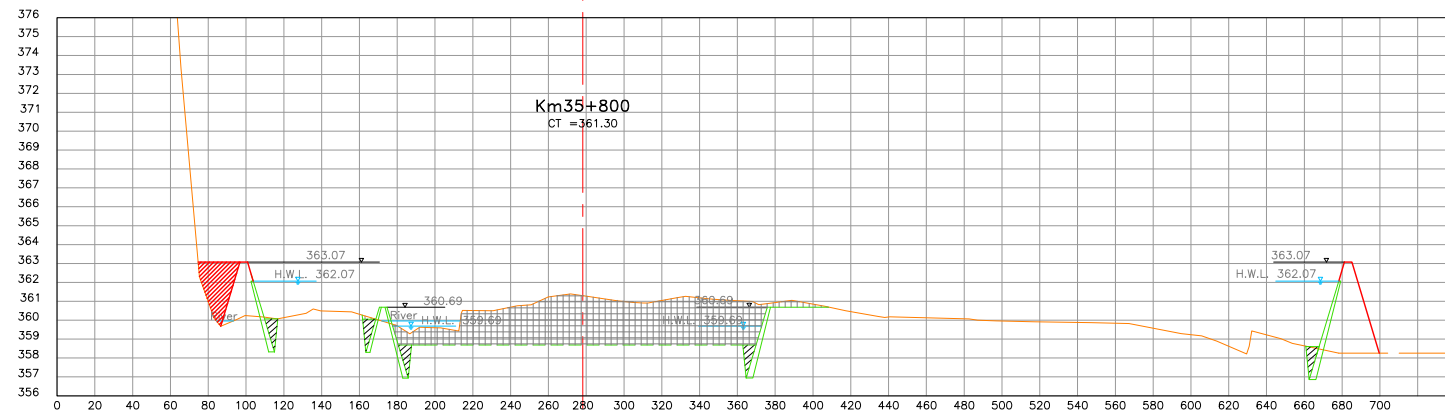
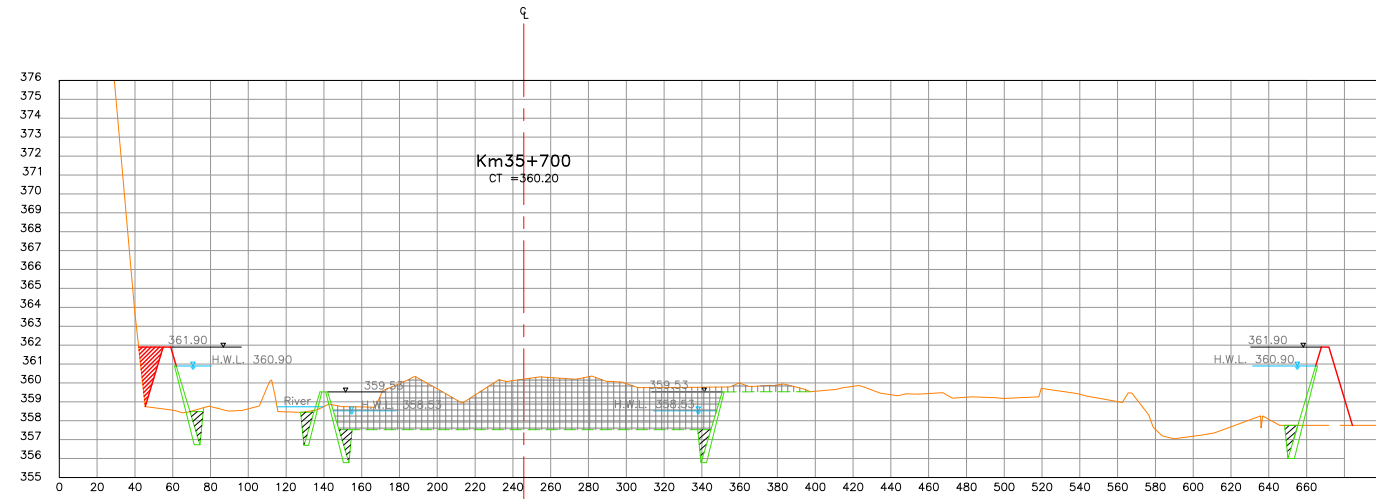
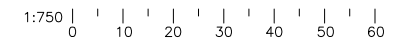
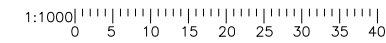
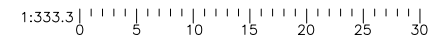
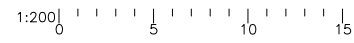
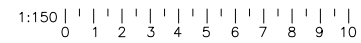
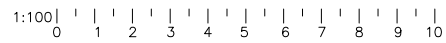
1:250 0 5 10 15 20

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**  
 Yachiyo Engineering Co., Ltd.



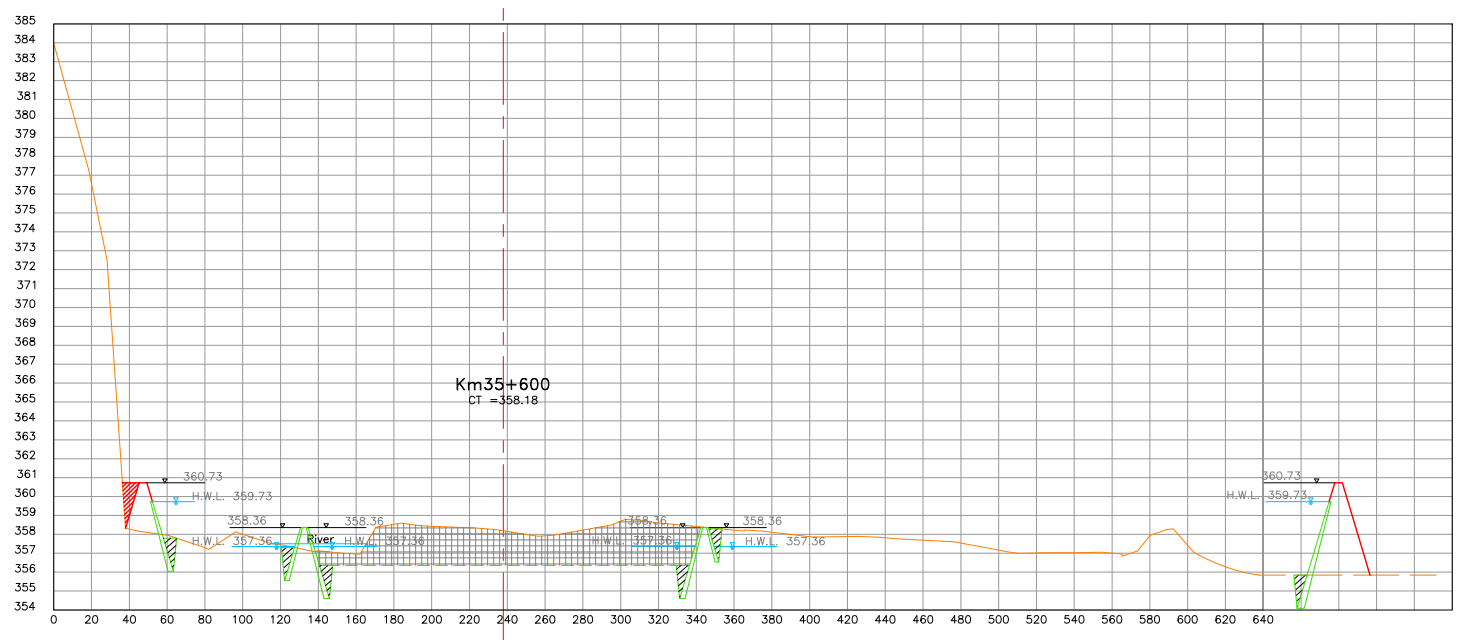
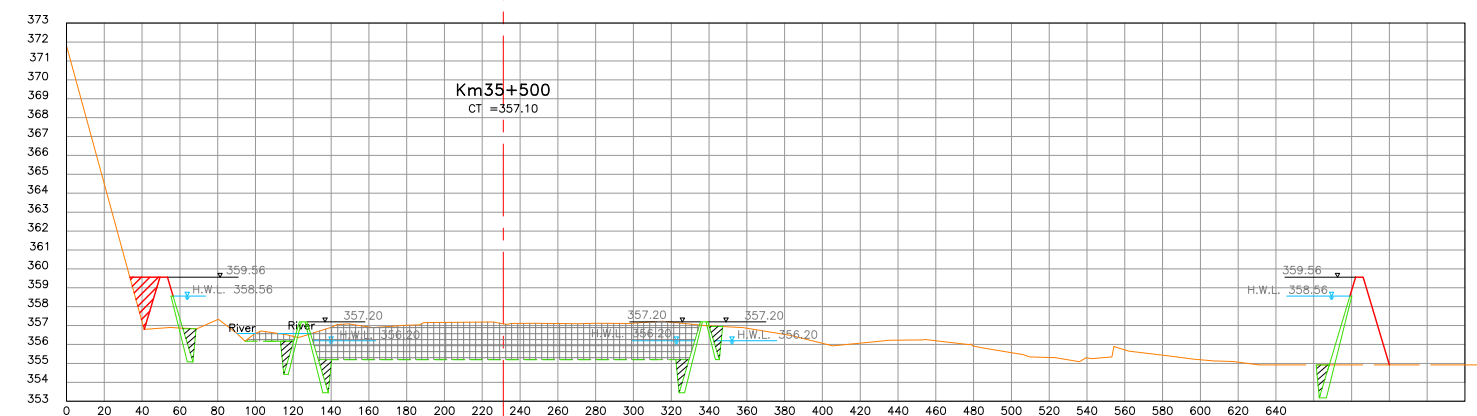
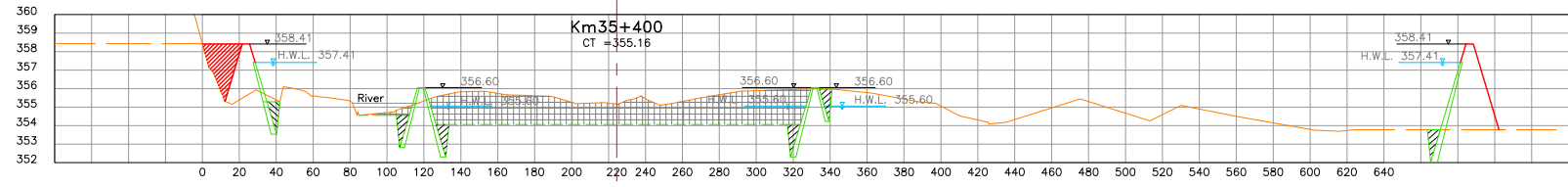
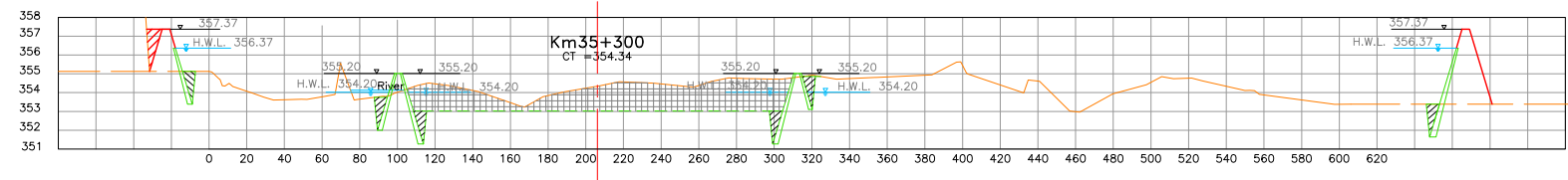
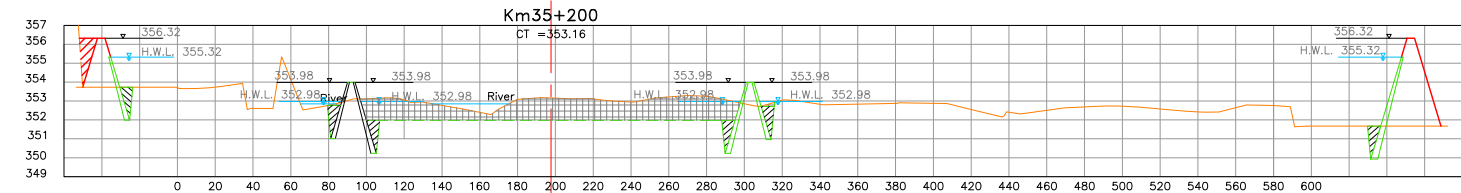
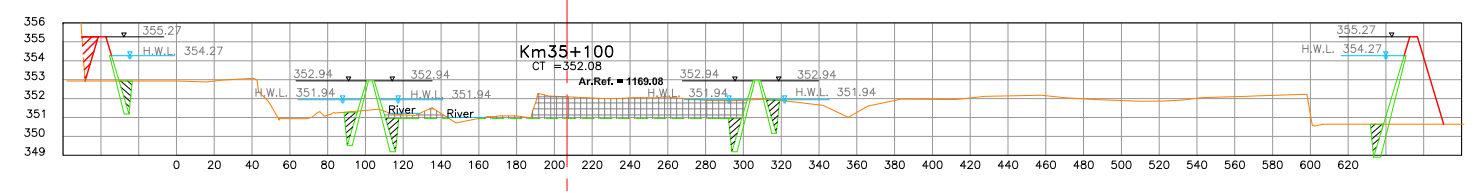
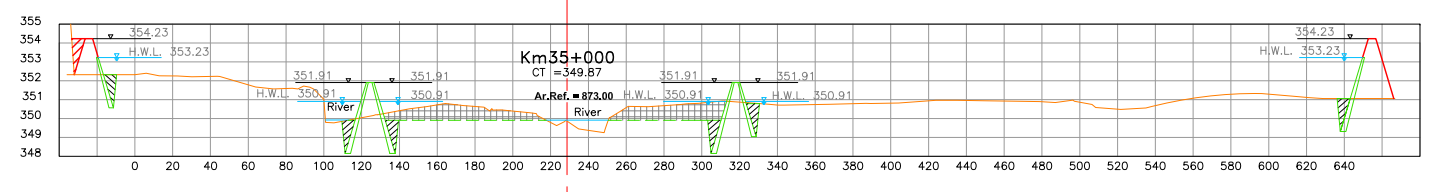
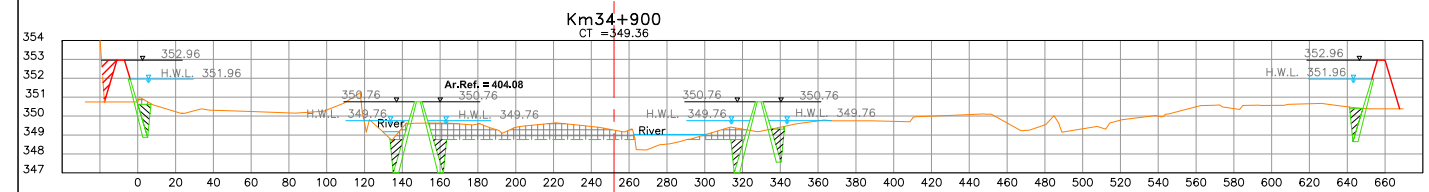
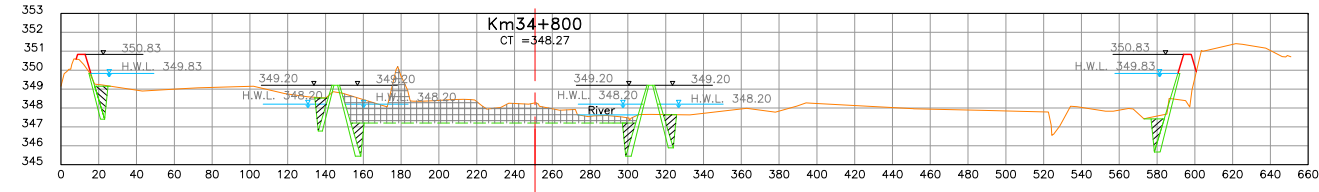
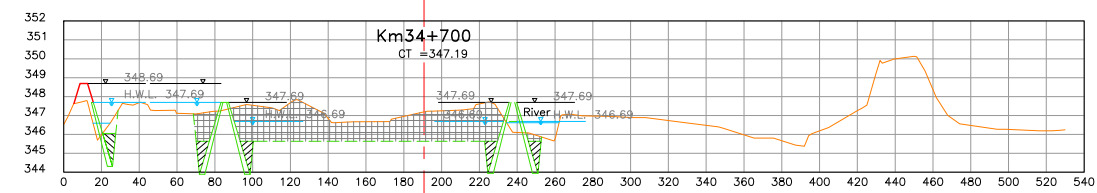
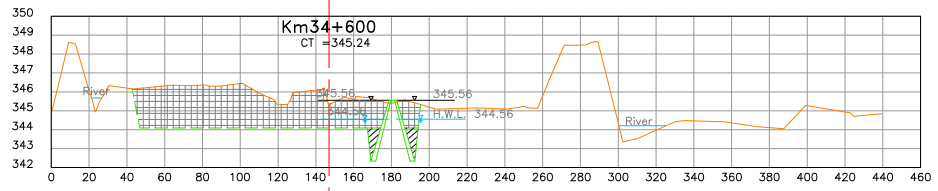
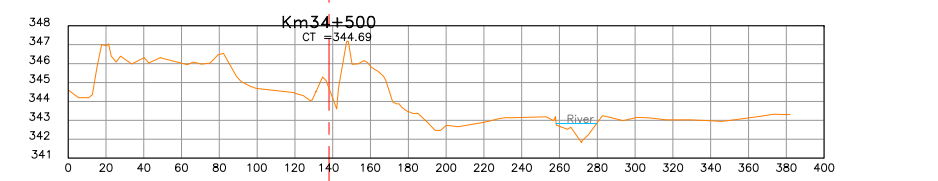
LATIN AMERICA - CARIBBEAN  
**NIPPON KOEI LAC CO., LTD.**  
 Consulting Engineers

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:  
**River PISCO: PI-6**  
**SECCIONES TRANSVERSALES**  
**Km. 35+700 - Km. 36+300**

ESCALE: INDICATED  
 DATE: MARCH - 2013  
 CODE: **PI-6-ST-02**



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

#### **4. Majes-Camana River**





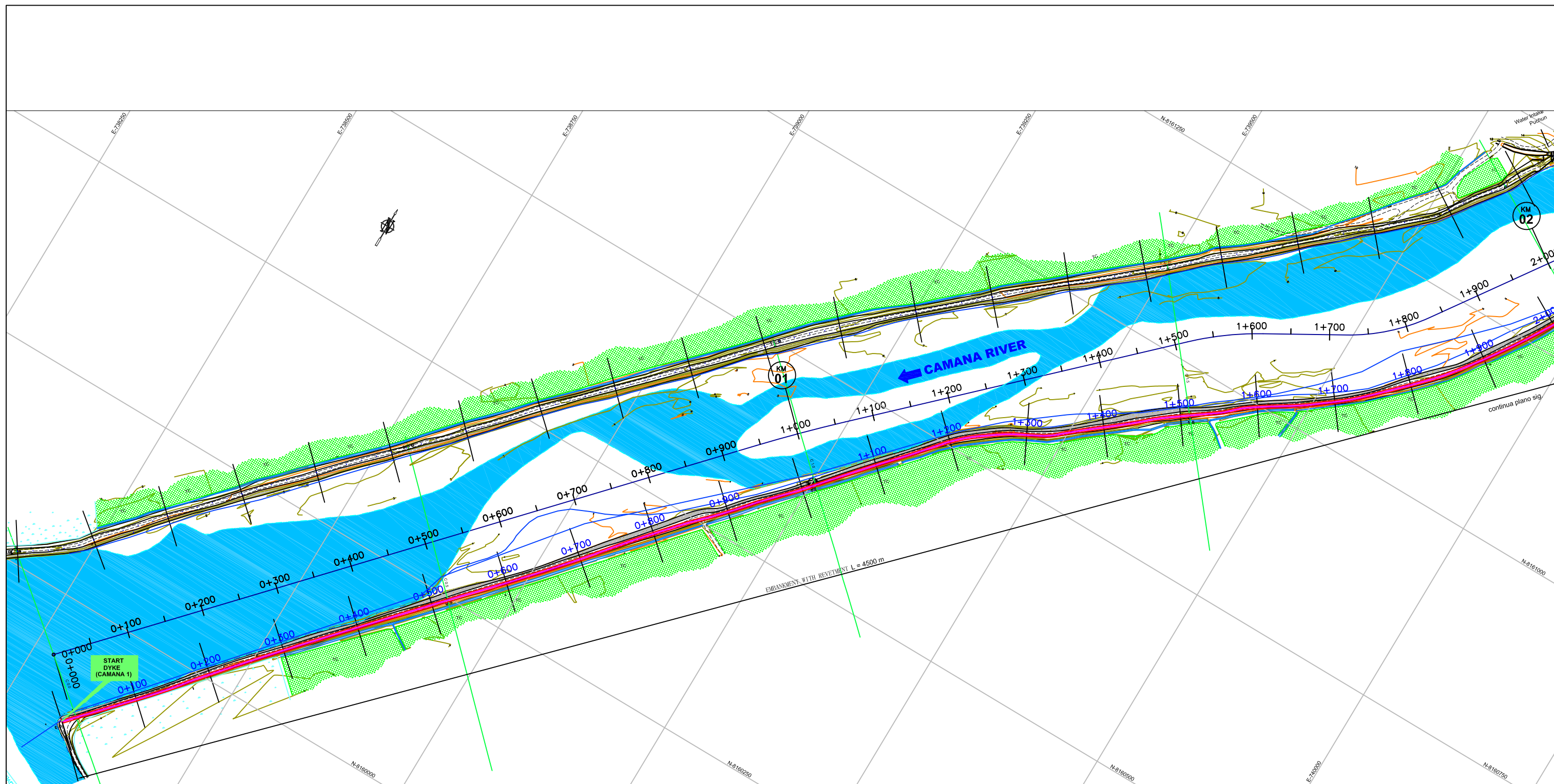
## Index of Drawings

Name of river : Rio Majes-Camana				
No.	Drawing name			
1.	Rio Majes Camana	CAMANA-1	Ground Plan	Km.0+000~Km.2+000
2.	Rio Majes Camana	CAMANA-1	Ground Plan	Km.2+000~Km.4+000
3.	Rio Majes Camana	CAMANA-1	Ground Plan	Km.4+000~Km.6+000
4.	Rio Majes Camana	CAMANA-2	Ground Plan	Km.6+000~Km.8+000
5.	Rio Majes Camana	CAMANA-2	Ground Plan	Km.8+000~Km.10+000
6.	Rio Majes Camana	CAMANA-3	Ground Plan	Km.10+000~Km.12+000
7.	Rio Majes Camana	CAMANA-3	Ground Plan	Km.12+000~Km.14+000
8.	Rio Majes Camana	CAMANA-3	Ground Plan	Km.14+000~Km.16+000
9.	Rio Majes Camana	CAMANA-3	Ground Plan	Km.16+000~Km.18+000
10.	Rio Majes Camana	MAJES-4	Ground Plan	Km.48+000~Km.50+000
11.	Rio Majes Camana	MAJES-4	Ground Plan	Km.50+000~Km.52+000
12.	Rio Majes Camana	MAJES-5	Ground Plan	Km.52+000~Km.54+000
13.	Rio Majes Camana	MAJES-5	Ground Plan	Km.54+000~Km.56+000
14.	Rio Majes Camana	MAJES-5	Ground Plan	Km.56+000~Km.58+000
15.	Rio Majes Camana	MAJES-6	Ground Plan	Km.58+000~Km.60+000
16.	Rio Majes Camana	MAJES-6	Ground Plan	Km.60+000~Km.62+000
17.	Rio Majes Camana	MAJES-6	Ground Plan	Km.62+000~Km.64+000
18.	Rio Majes Camana	MAJES-7	Ground Plan	Km.64+000~Km.66+000
19.	Rio Majes Camana	MAJES-7	Ground Plan	Km.66+000~Km.68+000
20.	Rio Majes Camana	CAMANA-1	Longitudinal Section Profile	Km.0+000~Km.1+500
21.	Rio Majes Camana	CAMANA-1	Longitudinal Section Profile	Km.1+500~Km.3+000
22.	Rio Majes Camana	CAMANA-1	Longitudinal Section Profile	Km.3+000~Km.4+500
23.	Rio Majes Camana	CAMANA-2	Longitudinal Section Profile	Km.7+500~Km.8+500
24.	Rio Majes Camana	CAMANA-2	Longitudinal Section Profile	Km.8+600~Km.9+500
25.	Rio Majes Camana	CAMANA-3	Longitudinal Section Profile	Km.11+000 ~ Km.12+500
26.	Rio Majes Camana	CAMANA-3	Longitudinal Section Profile	Km.12+600 ~ Km.14+000
27.	Rio Majes Camana	CAMANA-3	Longitudinal Section Profile	Km.14+100 ~ Km.15+500
28.	Rio Majes Camana	CAMANA-3	Longitudinal Section Profile	Km.15+600 ~ Km.17+000
29.	Rio Majes Camana	MAJES-4	Longitudinal Section Profile	Km.48+500~Km.49+500

30.	Rio Majes Camana MAJES-4	Longitudinal Section Profile	Km.49+600~Km.50+500
31.	Rio Majes Camana MAJES-5	Longitudinal Section Profile	Km.52+000~Km.53+100
32.	Rio Majes Camana MAJES-5	Longitudinal Section Profile	Km.53+200~Km.54+600
33.	Rio Majes Camana MAJES-5	Longitudinal Section Profile	Km.54+700~Km.56+000
34.	Rio Majes Camana MAJES-6	Longitudinal Section Profile	Km.59+500~Km.60+900
35.	Rio Majes Camana MAJES-6	Longitudinal Section Profile	Km.61+100~Km.62+400
36.	Rio Majes Camana MAJES-7	Longitudinal Section Profile	Km.65+000~Km.66+400
37.	Rio Majes Camana	Embankment Typical Cross Section	
38.	Rio Majes Camana CAMANA-1	Cross Section	Km.0+000~Km.0+900
39.	Rio Majes Camana CAMANA-1	Cross Section	Km.1+000~Km.1+800
40.	Rio Majes Camana CAMANA-1	Cross Section	Km.1+900~Km.3+000
41.	Rio Majes Camana CAMANA-1	Cross Section	Km.3+100~Km.4+000
42.	Rio Majes Camana CAMANA-1	Cross Section	Km.4+100~Km.4+500
43.	Rio Majes Camana CAMANA-2	Cross Section	Km.7+500~Km.8+700
44.	Rio Majes Camana CAMANA-2	Cross Section	Km.8+800~Km.9+500
45.	Rio Majes Camana CAMANA-3	Cross Section	Km.11+000~Km.12+100
46.	Rio Majes Camana CAMANA-3	Cross Section	Km.12+200~Km.13+200
47.	Rio Majes Camana CAMANA-3	Cross Section	Km.13+300~Km.14+200
48.	Rio Majes Camana CAMANA-3	Cross Section	Km.14+300~Km.15+100
49.	Rio Majes Camana CAMANA-3	Cross Section	Km.15+200~Km.16+000
50.	Rio Majes Camana CAMANA-3	Cross Section	Km.16+100~Km.16+600
51.	Rio Majes Camana CAMANA-3	Cross Section	Km.16+700~Km.17+000
52.	Rio Majes Camana MAJES-4	Cross Section	Km.48+500~Km.49+600
53.	Rio Majes Camana MAJES-4	Cross Section	Km.49+700~Km.50+200
54.	Rio Majes Camana MAJES-4	Cross Section	Km.50+300~Km.50+500
55.	Rio Majes Camana MAJES-5	Cross Section	Km.52+000~Km.53+000
56.	Rio Majes Camana MAJES-5	Cross Section	Km.53+100~Km.54+100
57.	Rio Majes Camana MAJES-5	Cross Section	Km.54+200~Km.55+000
58.	Rio Majes Camana MAJES-5	Cross Section	Km.55+100~Km.55+500
59.	Rio Majes Camana MAJES-5	Cross Section	Km.55+600~Km.55+800
60.	Rio Majes Camana MAJES-5	Cross Section	Km.55+900~Km.56+000
61.	Rio Majes Camana MAJES-6	Cross Section	Left Bank Km.59+600~Km.60+700
62.	Rio Majes Camana MAJES-6	Cross Section	Left Bank Km.60+800~Km.61+900

63.	Rio Majes Camana MAJES-6 Km.62+000~Km.62+500	Cross Section	Left Bank
64.	Rio Majes Camana MAJES-6 Km.59+500~Km.60+300	Cross Section	Right Bank
65.	Rio Majes Camana MAJES-6 Km.60+400~Km.61+200	Cross Section	Right Bank
66.	Rio Majes Camana MAJES-6 Km.61+300~Km.62+300	Cross Section	Right Bank
67.	Rio Majes Camana MAJES-6 Km.62+400~Km.62+500	Cross Section	Right Bank
68.	Rio Majes Camana MAJES-7 Km.65+000~Km.66+000	Cross Section	Left Bank
69.	Rio Majes Camana MAJES-7 Km.66+100~Km.66+500	Cross Section	Left Bank
70.	Rio Majes Camana MAJES-7 Km.65+400~Km.66+100	Cross Section	Right Bank
71.	Rio Majes Camana MAJES-7 Km.66+200~Km.66+500	Cross Section	Right Bank





**PLAN**  
Esc: 1/2,500

LEGEND	
	Dike Crown Projected
	Projected Dike Axis
	Horizontal and Vertical Geodetic Control Type A
	Horizontal and Vertical Geodetic Control Type B
	Control Points Type C
	River Defenses (Gavions)
	Water Intake
	Erosion of Riverbanks

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

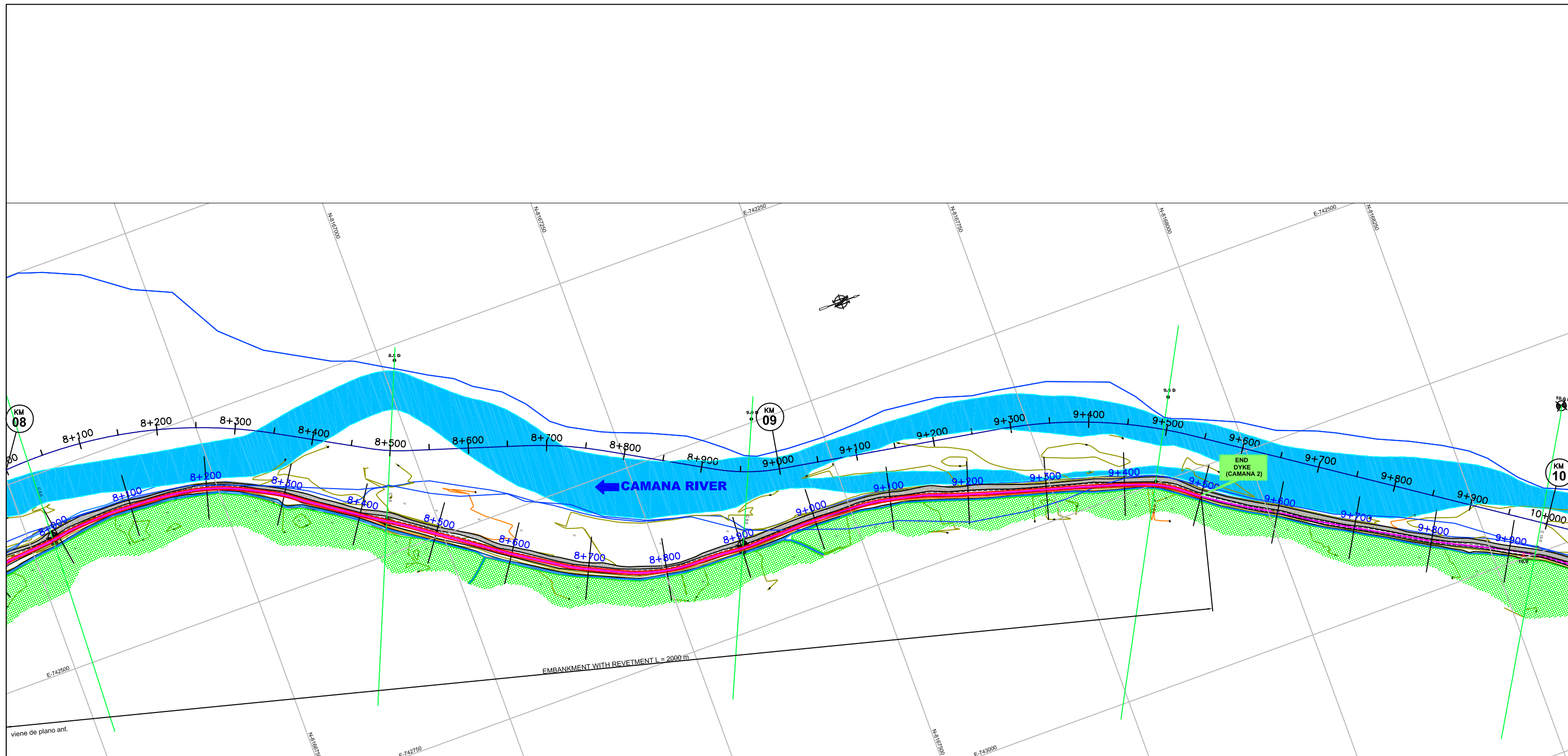
1:200 0 5 10 15

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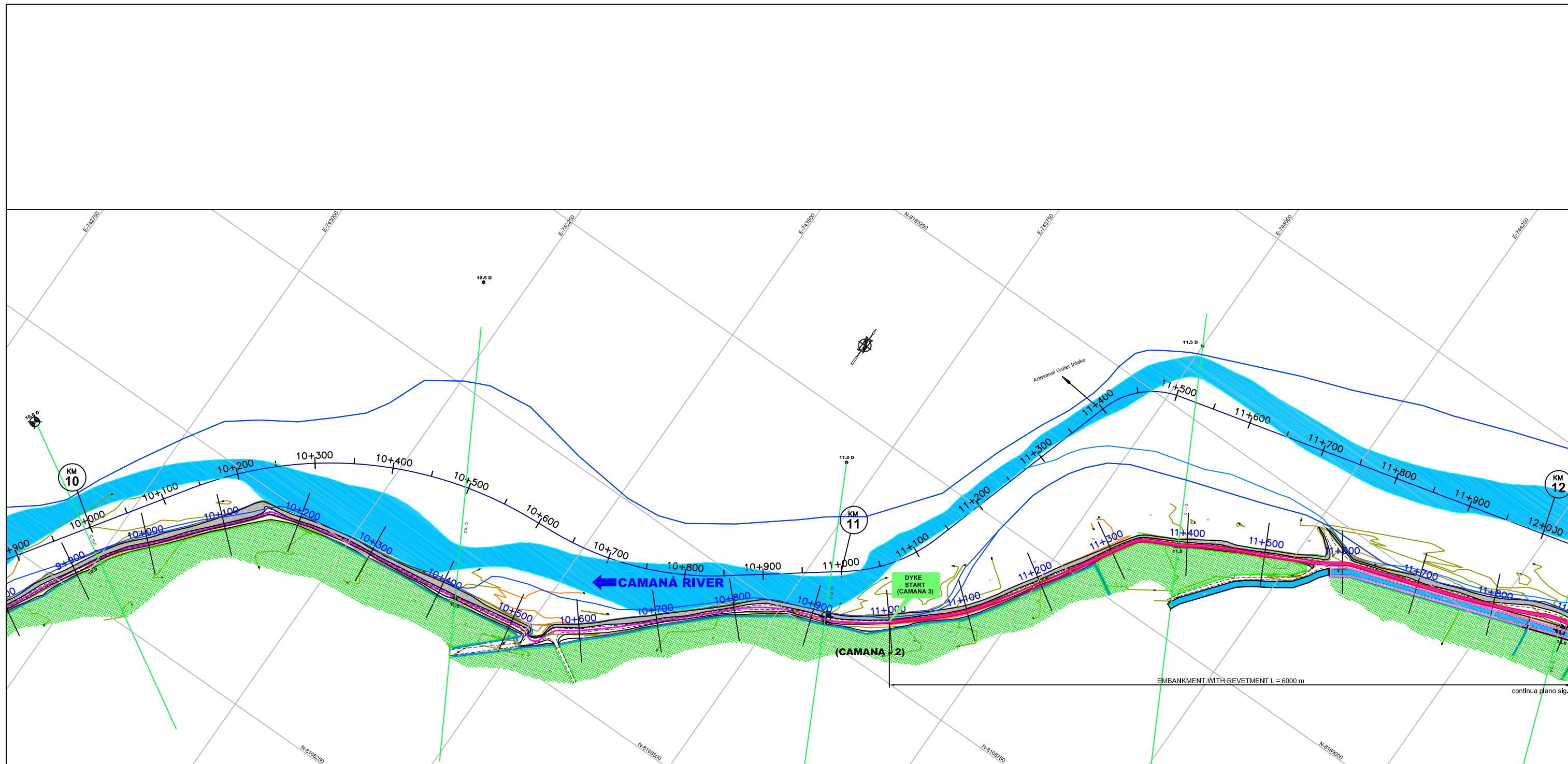


**PLAN**  
Esc: 1/2,500

LEGEND	
	Dike Crown Projected
	Projected Dike Axis
	Horizontal and Vertical Geodetic Control Type A
	Horizontal and Vertical Geodetic Control Type B
	Control Points Type C
	River Defenses (Gavions)
	Water Intake
	Erosion of Riverbanks

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





**PLAN**  
Esc: 1/2,500

LEGEND	
	Dike Crown Projected
	Projected Dike Axis
	Horizontal and Vertical Geodetic Control Type A
	Horizontal and Vertical Geodetic Control Type B
	Control Points Type C
	River Defenses (Gavions)
	Water Intake
	Erosion of Riverbanks

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

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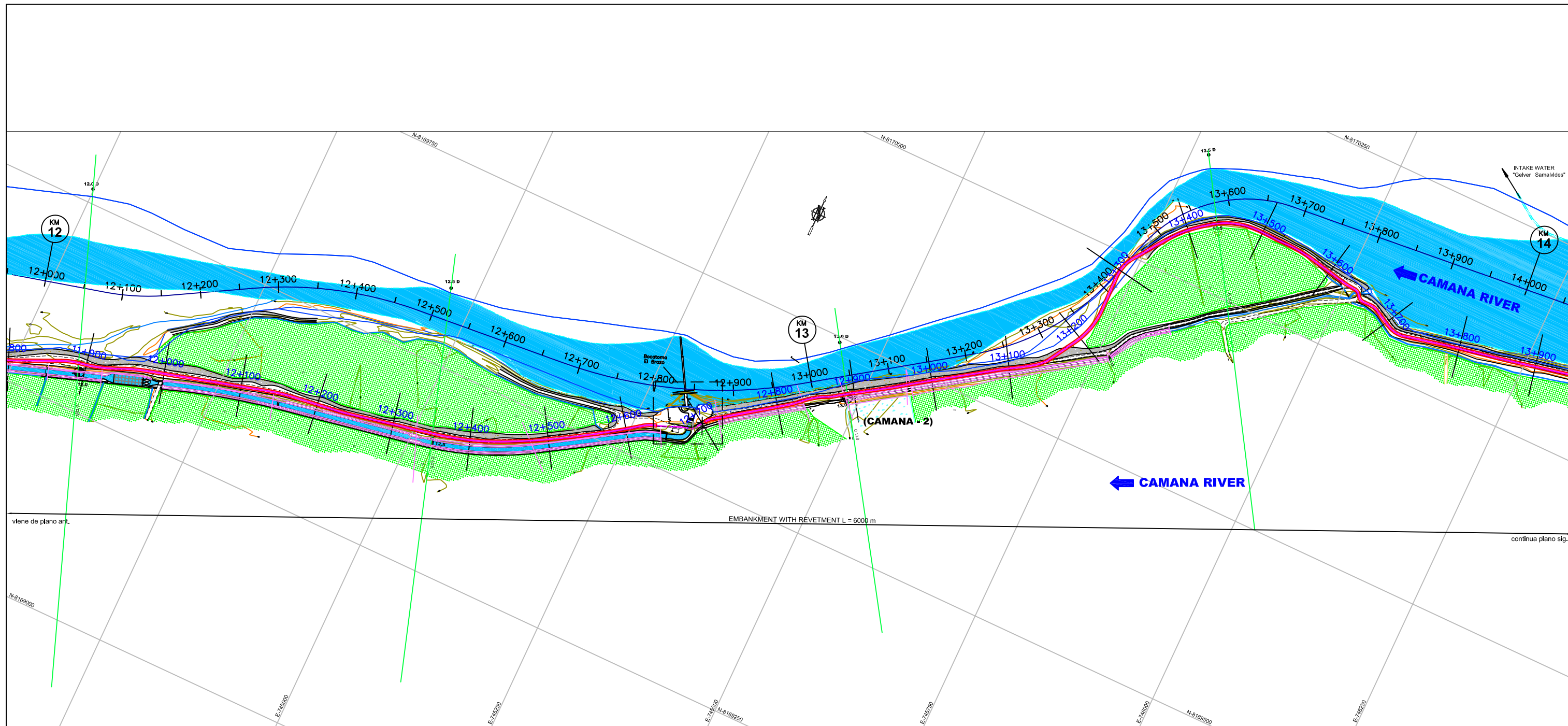
1:200 0 5 10 15

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

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**PLAN**

Esc: 1/2,500

LEGEND	
	Dike Crown Projected
	Projected Dike Axis
	Horizontal and Vertical Geodetic Control Type A
	Horizontal and Vertical Geodetic Control Type B
	Control Points Type C
	River Defenses (Gavions)
	Water Intake
	Erosion of Riverbanks

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



Consultants:  
 Yeco  
 Yachiyo 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:  
**CAMANA RIVER:  
 PLAN KM 12+000 - KM 14+000  
 (CAMANA - 3)**

ESCALE: INDICATED  
 DATE: MARCH - 2013  
 CODE: **PP-07**