

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

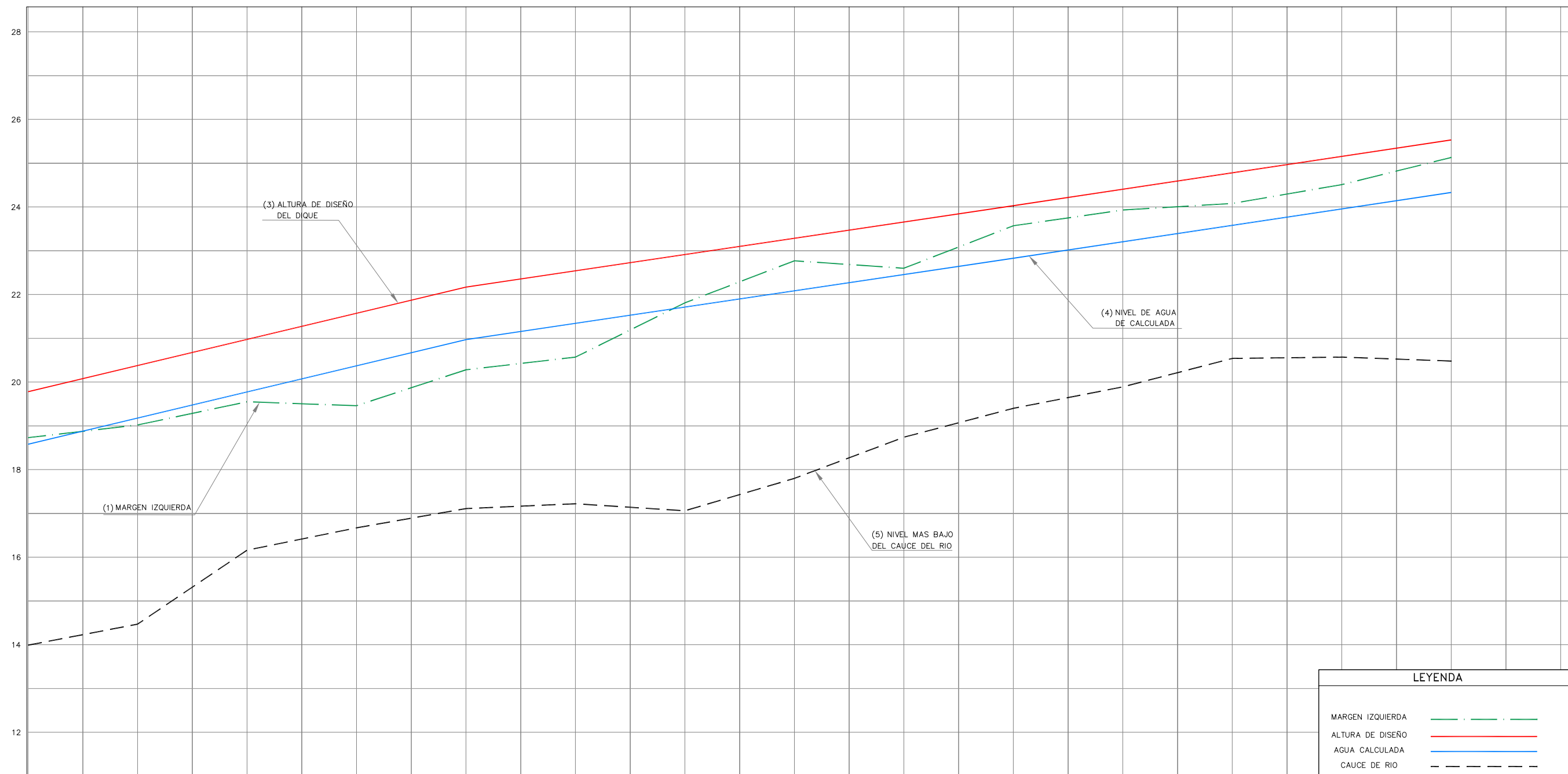
1:200 0 5 10 15

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



LEYENDA	
MARGEN IZQUIERDA	— — — — —
ALTURA DE DISEÑO	—————
AGUA CALCULADA
CAUCE DE RIO	- - - - -

DISTANCIA (m)	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) COTA DE MARGEN IZQUIERDA	18.73	19.02	19.55	19.46	20.28	20.57	21.81	22.77	22.60	23.57	23.93	24.08	24.51	25.13	21.19
(3) COTA DE ALTURA DE DISEÑO	19.78	20.38	20.97	21.57	22.17	22.54	22.91	23.29	23.66	24.03	24.40	24.78	25.16	25.53	
(4) NIVEL DE AGUA CALCULADA	18.58	19.18	19.77	20.37	20.97	21.34	21.71	22.09	22.46	22.83	23.20	23.58	23.96	24.33	
(5) COTA DE FONDO DE CAUCE DE RIO	13.99	14.47	16.16	16.67	17.11	17.22	17.06	17.80	18.74	19.40	19.89	20.54	20.57	20.48	

RIO CAMANA
PUNTO CRITICO N° 1 (3/3)
 PERFIL LONGITUDINAL

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



Consultores:
Yeo
 Yachlyo Engineering Co., Ltd.



LATIN AMERICA - CARIBEN
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 REPUBLICA DEL PERU

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

ESCALA: 1/1,500
 FECHA: MARZO-2013
 CÓDIGO: **CAMANA - 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

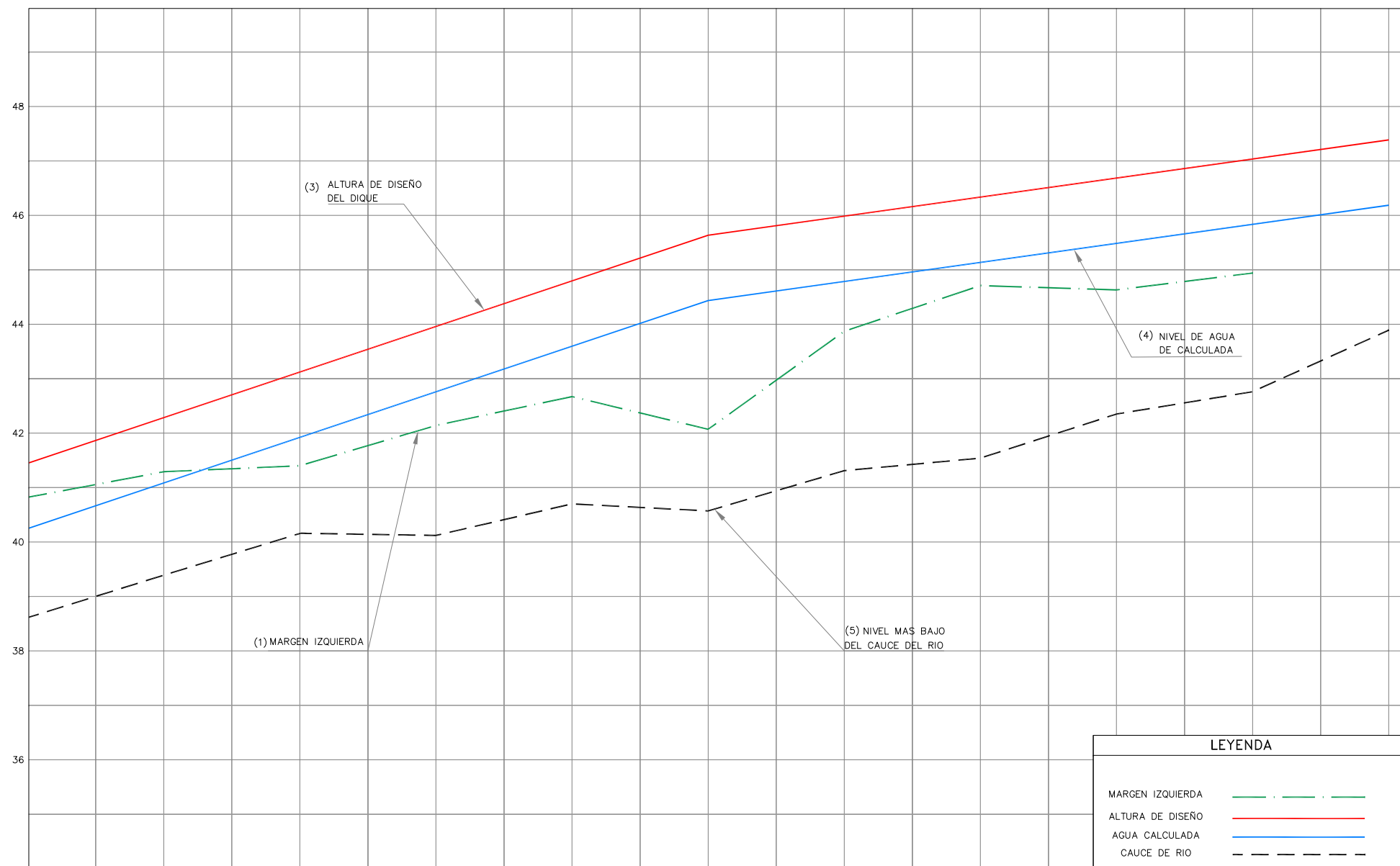
1:200 0 5 10 15

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

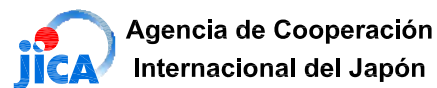


LEYENDA	
MARGEN IZQUIERDA	-----
ALTURA DE DISEÑO	—————
AGUA CALCULADA	—————
CAUCE DE RIO	-----

DISTANCIA (m)	7+500	7+600	7+700	7+800	7+900	8+000	8+100	8+200	8+300	8+400	8+500
(1) COTA DE MARGEN IZQUIERDA	40.82	41.29	41.40	42.14	42.67	42.07	43.87	44.71	44.63	44.94	
(3) COTA DE ALTURA DE DISEÑO	41.45	42.28	43.12	43.96	44.80	45.63	46.47	47.30	48.13	48.96	49.79
(4) NIVEL DE AGUA CALCULADA	40.25	41.08	41.92	42.76	43.60	44.43	45.27	46.10	46.94	47.77	48.60
(5) COTA DE FONDO DE CAUCE DE RIO	38.61	39.39	40.16	40.12	40.70	40.57	41.31	41.54	42.36	42.76	43.89

RIO CAMANA
PUNTO CRITICO N° 2 (1/2)
 PERFIL LONGITUDINAL

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



Consultores:



LATIN AMÉRICA - CARIBE



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 CAMANA:
PUNTO CRITICO N° 2 (1/2)
PERFIL LONGITUDINAL

ESCALA: 1/1,500

FECHA: MARZO-2013

CÓDIGO: CAMANA - 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

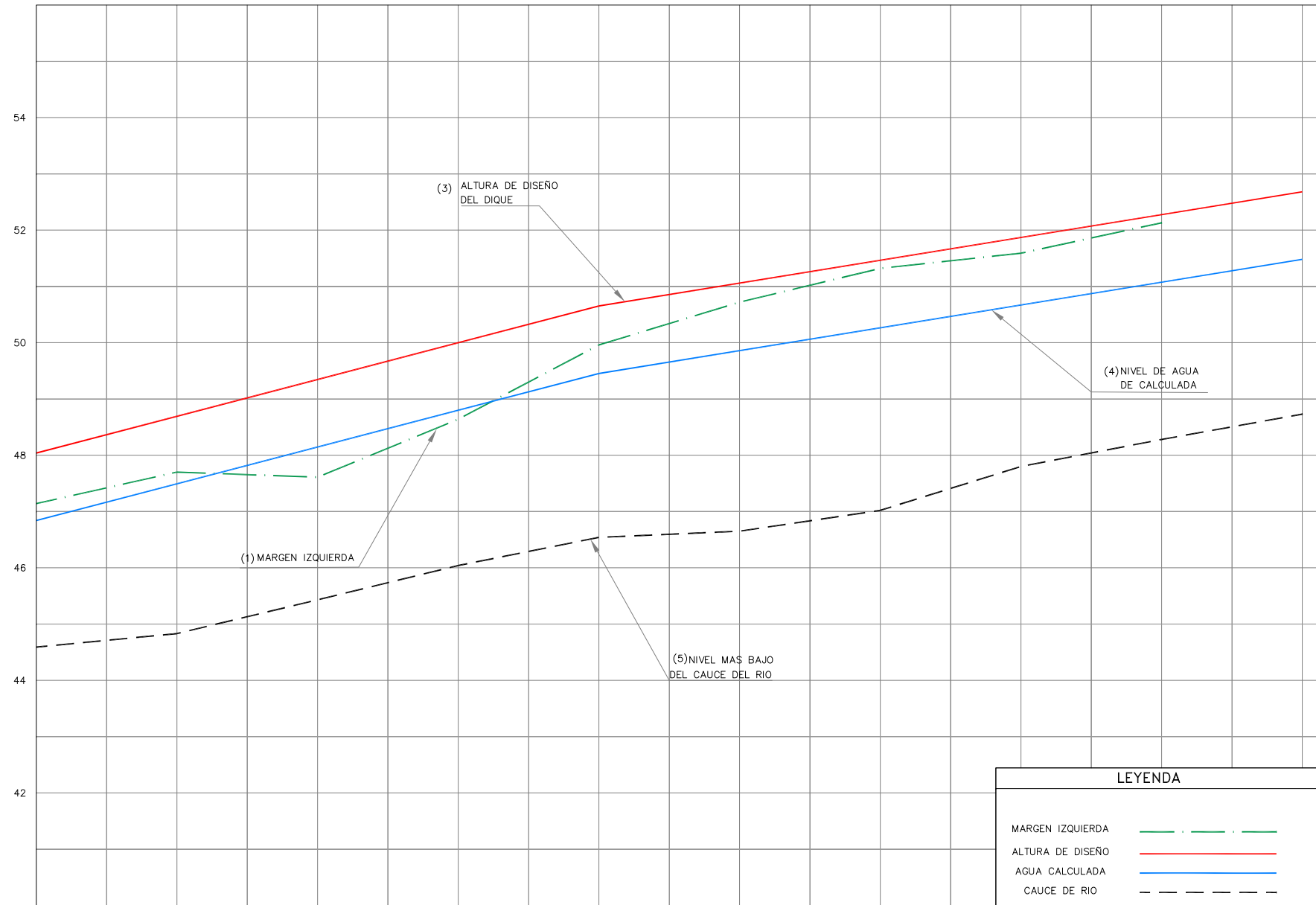
1:200 0 5 10 15

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



DISTANCIA (m)	8+600	8+700	8+800	8+900	9+000	9+100	9+200	9+300	9+400	9+500
(1) COTA DE MARGEN IZQUIERDA	47.14	47.70	47.61	48.64	49.96	50.72	51.32	51.59	52.13	
(3) COTA DE ALTURA DE DISEÑO	48.04	48.69	49.35	50.00	50.65	51.06	51.46	51.87	52.28	52.68
(4) NIVEL DE AGUA CALCULADA	46.84	47.49	48.15	48.80	49.45	49.86	50.26	50.67	51.08	51.48
(5) COTA DE FONDO DE CAUCE DE RIO	44.59	44.83	45.43	46.04	46.54	46.65	47.02	47.80	48.28	48.73

RIO CAMANA
PUNTO CRITICO N° 2 (2/2)
 PERFIL LONGITUDINAL

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

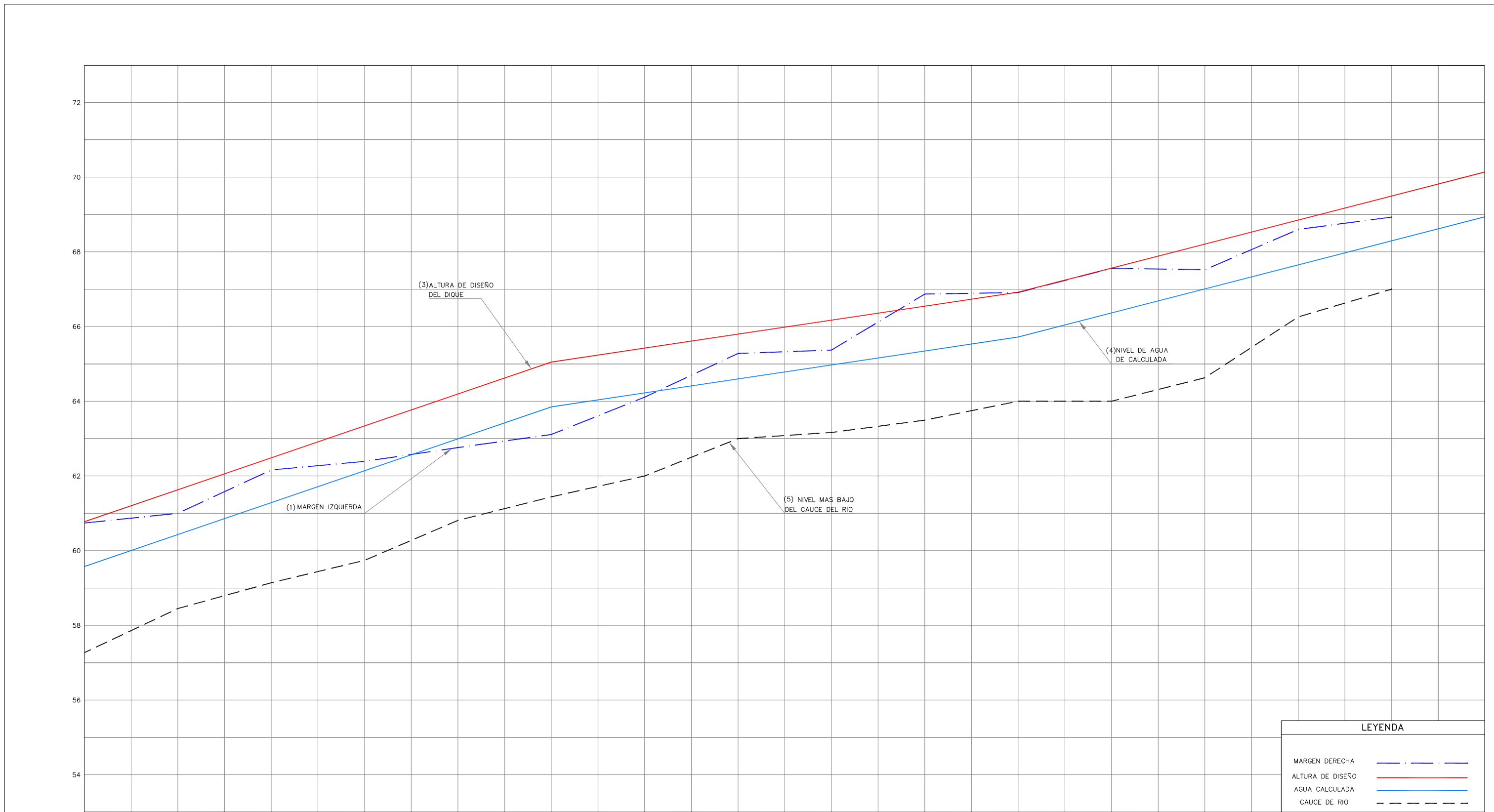
1:200 0 5 10 15

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

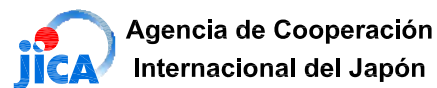
1:750 0 10 20 30 40 50 60



DISTANCIA (m)	11+000	11+100	11+200	11+300	11+400	11+500	11+600	11+700	11+800	11+900	12+000	12+100	12+200	12+300	12+400	12+500
(1) COTA DE MARGEN DERECHA	60.74	61.00	62.16	62.39	62.76	63.11	64.11	65.28	65.37	66.87	66.91	67.56	67.52	68.60	68.93	68.94
(3) COTA DE ALTURA DE DISEÑO	60.78	61.63	62.49	63.34	64.19	65.05	65.42	65.80	66.17	66.55	66.92	67.56	68.21	68.85	69.49	70.14
(4) NIVEL DE AGUA CALCULADA	59.58	60.43	61.29	62.14	62.99	63.85	64.22	64.60	64.97	65.35	65.72	66.36	67.01	67.65	68.29	68.94
(5) COTA DE FONDO DE CAUCE DE RIO	57.27	58.45	59.14	59.74	60.80	61.44	62.18	63.00	63.18	63.73	64.34	64.76	65.03	65.48	65.78	66.94

RIO CAMANA
PUNTO CRITICO N° 3 (1/4)
 PERFIL LONGITUDINAL

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

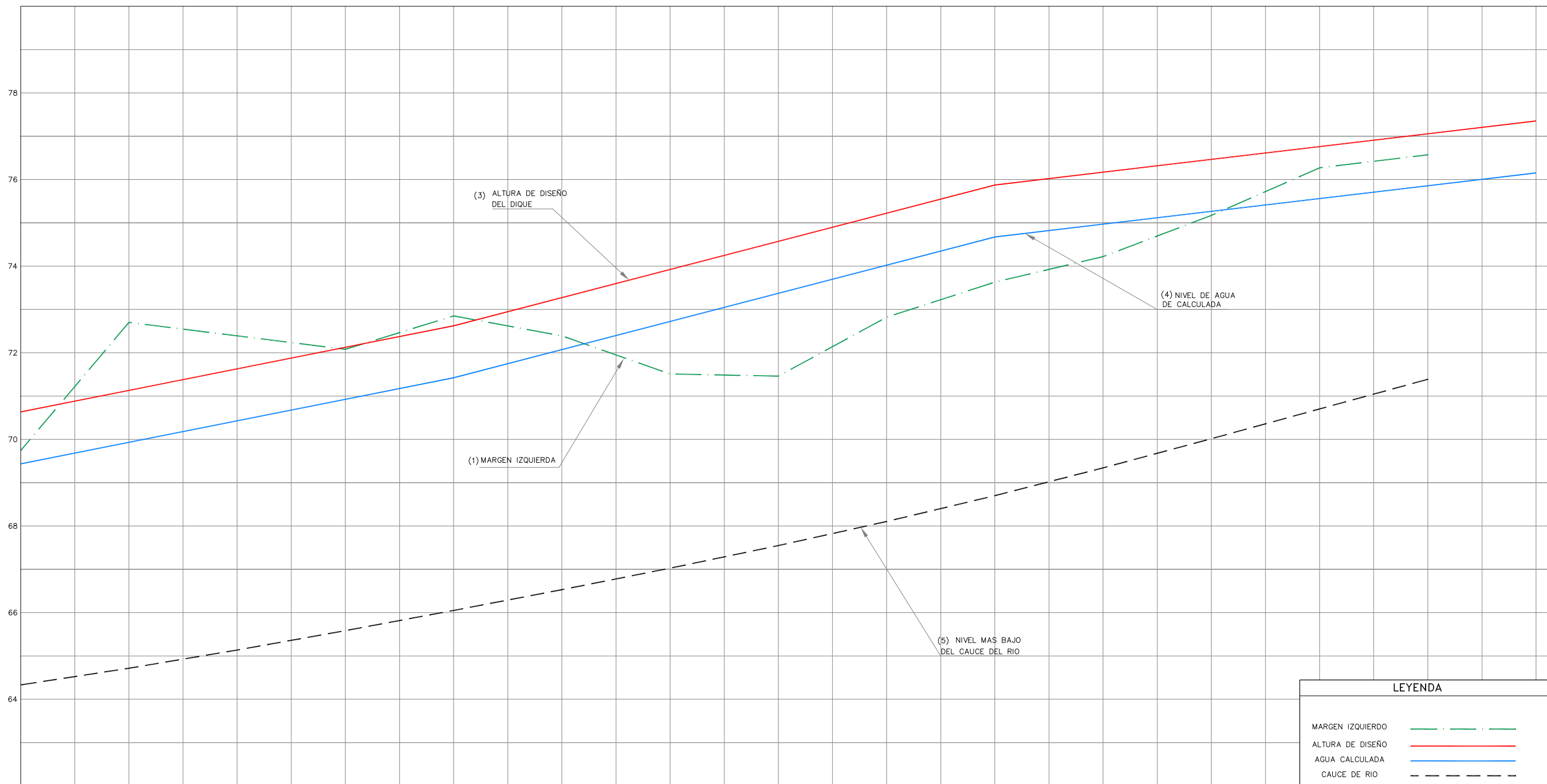


Diseño: M.SOYA
 Revisado: M.KITANO
 Aprobado: Y.NAKAGAWA
 Revisión: REV_3

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

Plano:
**RIO CAMANA:
 PUNTO CRITICO N° 3 (1/4)
 PERFIL LONGITUDINAL**

ESCALA: 1/1,500
 FECHA: MARZO-2013
 CÓDIGO: **CAMANA - 3**

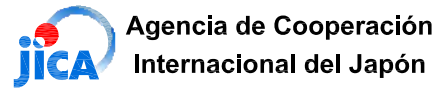


LEYENDA	
MARGEN IZQUIERDO	-----
ALTURA DE DISEÑO	—————
AGUA CALCULADA	—————
CAUCE DE RIO	-----

DISTANCIA (m)	12+600	12+700	12+800	12+900	13+000	13+100	13+200	13+300	13+400	13+500	13+600	13+700	13+800	13+900	14+000
(1) COTA DE MARGEN IZQUIERDO	69.74	72.70	72.39	72.08	72.85	72.39	71.51	71.46	72.82	73.63	74.22	75.17	76.27	76.57	77.35
(3) COTA DE ALTURA DE DISEÑO	70.63	71.13	71.63	72.13	72.62	73.27	73.92	74.57	75.22	75.87	76.17	76.46	76.76	77.06	77.35
(4) NIVEL DE AGUA CALCULADA	69.43	69.93	70.43	70.93	71.42	72.07	72.72	73.37	74.02	74.67	74.97	75.26	75.56	75.86	76.15
(5) COTA DE FONDO DE CAUCE DE RIO	64.33	64.72	65.14	65.58	66.05	66.53	67.03	67.55	68.10	68.70	69.34	70.01	70.70	71.39	72.08

RIO CAMANA
PUNTO CRITICO N° 3 (2/4)
 PERFIL LONGITUDINAL

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

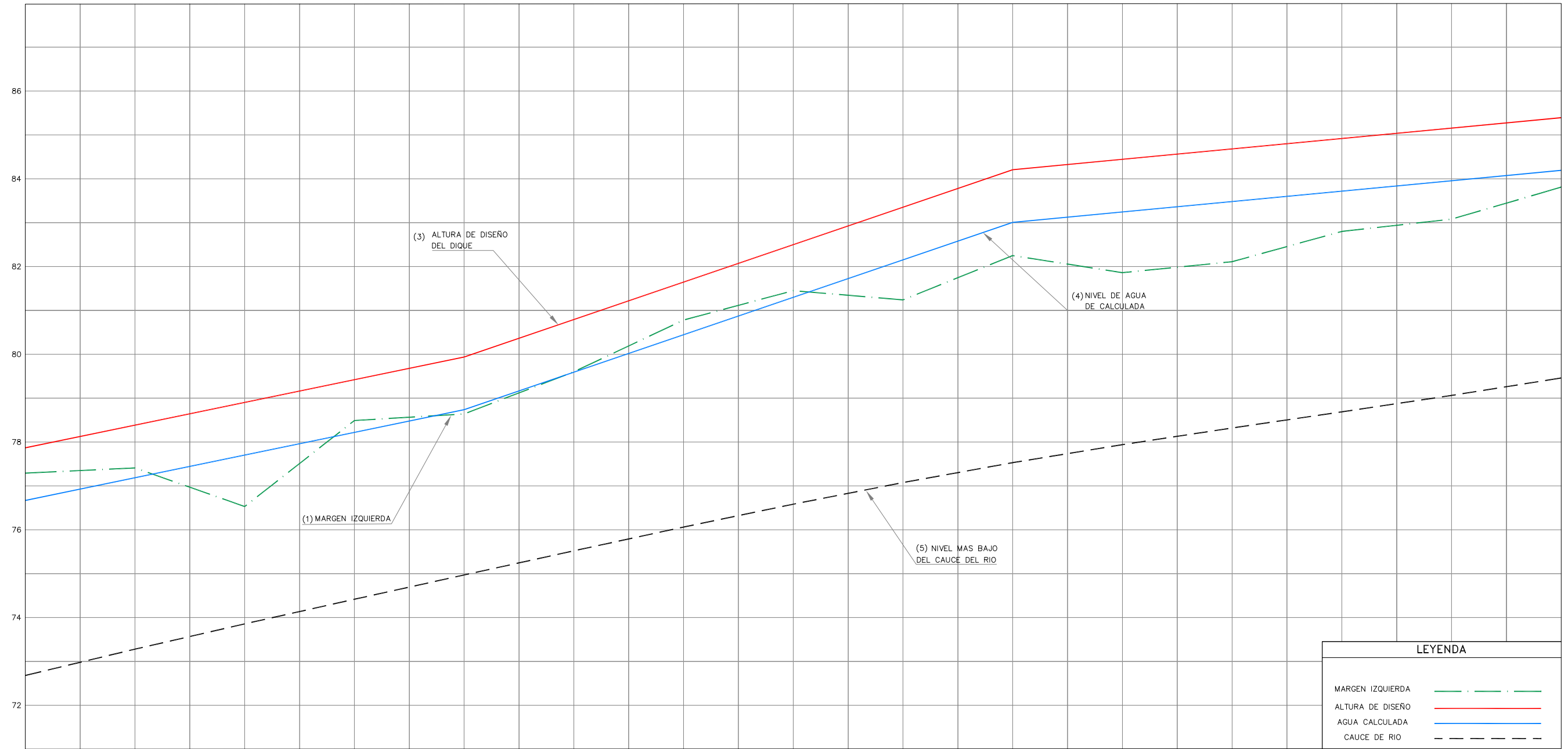


Diseño: M.SOYA
 Revisado: M.KITANO
 Aprobado: Y.NAKAGAWA
 Revisión: REV_3

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

Plano: **RIO CAMANA: PUNTO CRITICO N° 3 (2/4) PERFIL LONGITUDINAL**

ESCALA: 1/1,500
 FECHA: MARZO-2013
 CÓDIGO: CAMANA - 3

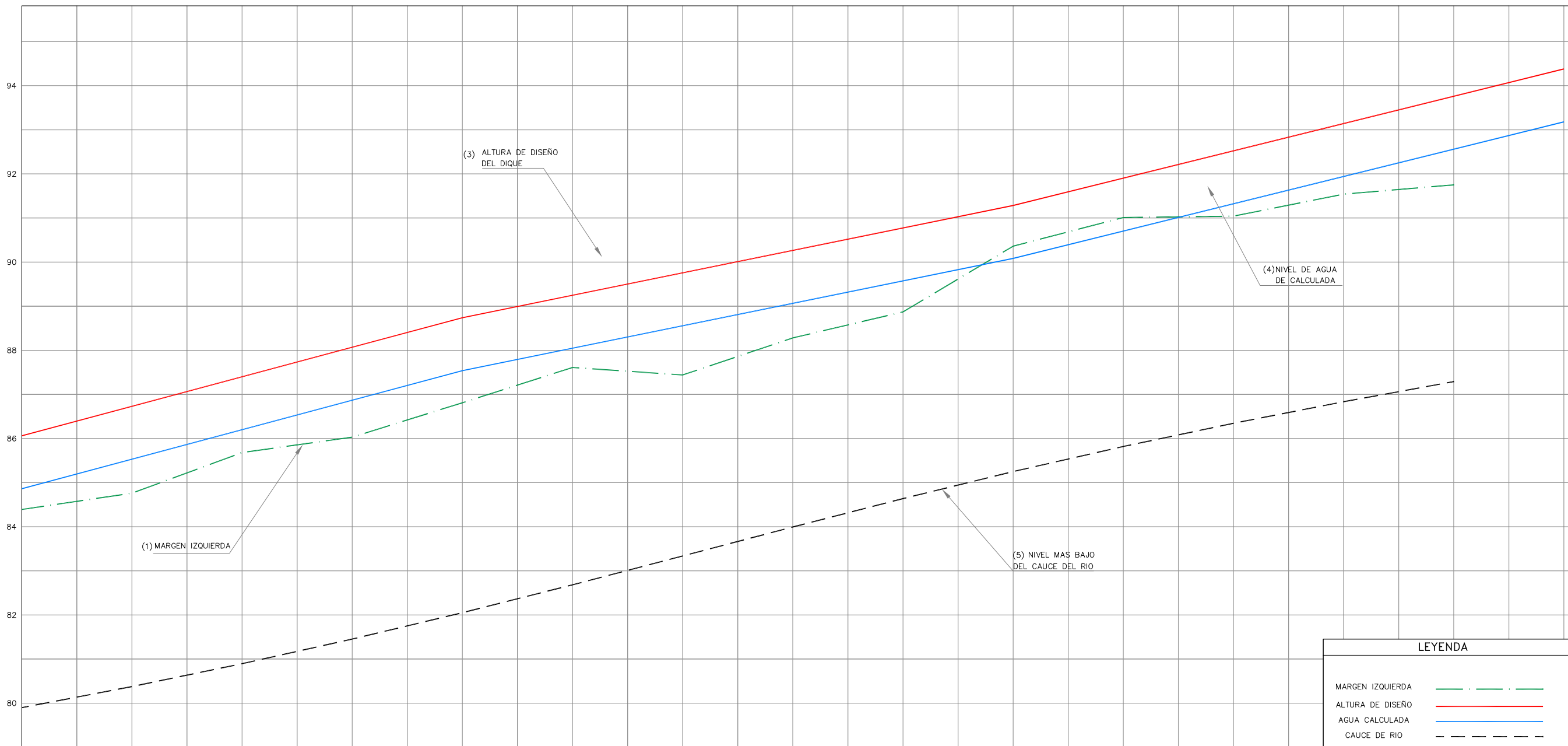


LEYENDA	
MARGEN IZQUIERDA	— · — · — · — · —
ALTURA DE DISEÑO	— (red) —
AGUA CALCULADA	— (blue) —
CAUCE DE RIO	- - - - -

DISTANCIA (m)	14+100	14+200	14+300	14+400	14+500	14+600	14+700	14+800	14+900	15+000	15+100	15+200	15+300	15+400	15+500
(1) COTA DE MARGEN IZQUIERDA	77.29	77.41	76.53	78.49	78.64	79.60	80.78	81.45	81.24	82.25	81.86	82.11	82.80	83.08	85.39
(3) COTA DE ALTURA DE DISEÑO	77.87	78.39	78.90	79.42	79.94	80.79	81.64	82.50	83.35	84.21	84.44	84.68	84.92	85.15	85.39
(4) NIVEL DE AGUA CALCULADA	76.67	77.19	77.70	78.22	78.74	79.59	80.44	81.30	82.15	83.01	83.24	83.48	83.72	83.95	84.19
(5) COTA DE FONDO DE CAUCE DE RIO	72.88	73.28	73.86	74.42	74.97	75.52	76.06	76.58	77.08	77.53	77.94	78.32	78.69	79.06	79.39

RIO CAMANA
PUNTO CRITICO N° 3 (3/4)
 PERFIL LONGITUDINAL

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



LEYENDA	
MARGEN IZQUIERDA	--- (Dashed line)
ALTURA DE DISEÑO	— (Red solid line)
AGUA CALCULADA	— (Blue solid line)
CAUCE DE RIO	--- (Black dashed line)

DISTANCIA (m)	15+600	15+700	15+800	15+900	16+000	16+100	16+200	16+300	16+400	16+500	16+600	16+700	16+800	16+900	17+000
(1) COTA DE MARGEN IZQUIERDA	84.39	84.76	85.68	86.03	86.81	87.61	87.44	88.28	88.87	90.36	91.01	91.04	91.54	91.75	
(3) COTA DE ALTURA DE DISEÑO	86.06	86.73	87.40	88.07	88.74	89.25	89.76	90.26	90.77	91.28	91.90	92.52	93.14	93.76	94.38
(4) NIVEL DE AGUA CALCULADA	84.86	85.53	86.20	86.87	87.54	88.05	88.55	89.06	89.57	90.08	90.70	91.32	91.94	92.56	93.18
(5) COTA DE FONDO DE CAUCE DE RIO	79.90	80.38	80.89	81.45	82.05	82.68	83.34	83.99	84.64	85.25	85.82	86.34	86.83	87.29	

**RIO CAMANA
PUNTO CRITICO N° 3 (4/4)
PERFIL LONGITUDINAL**

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

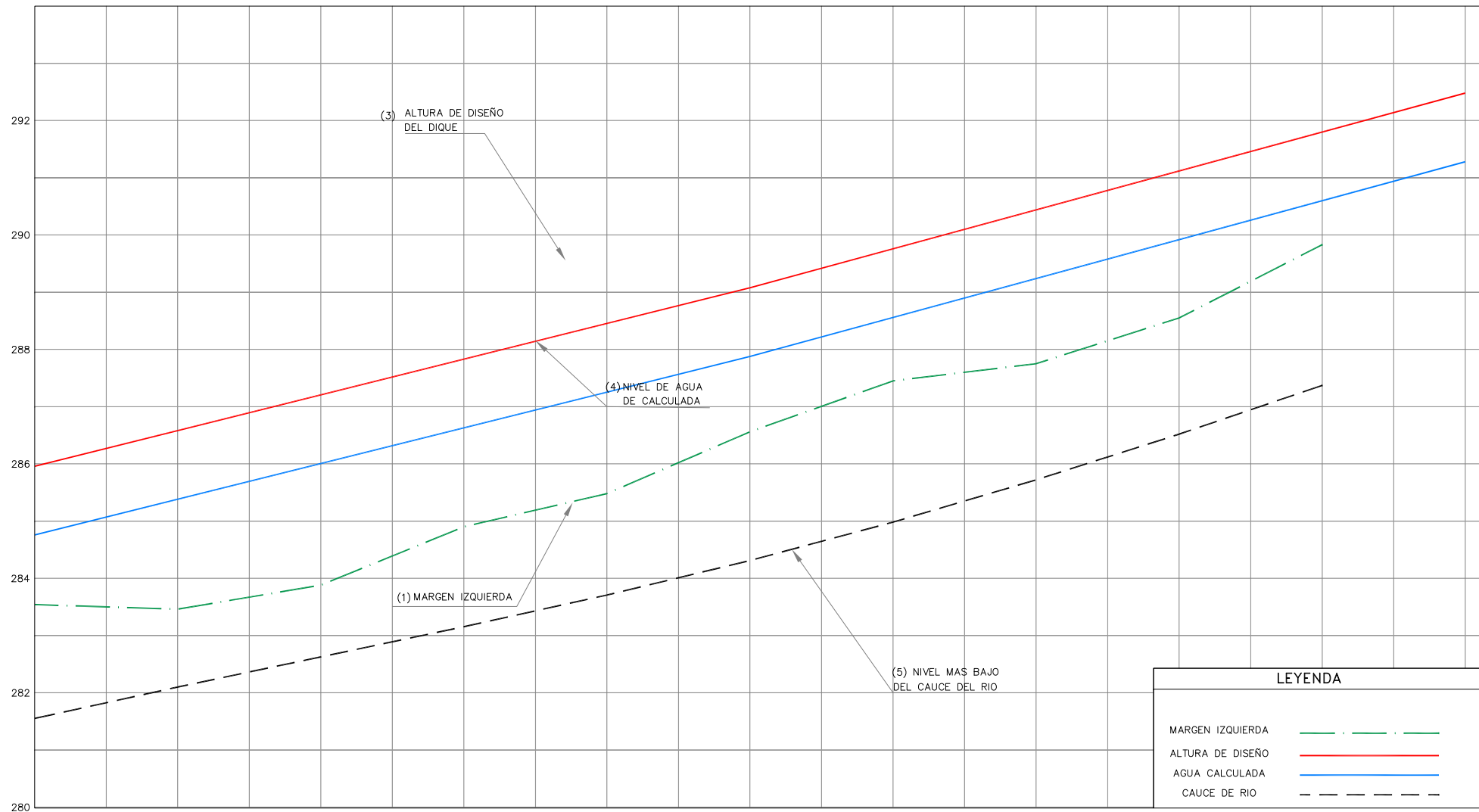
1:200 0 5 10 15

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

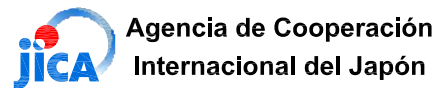
1:750 0 10 20 30 40 50 60



DISTANCIA (m)	48+500	48+600	48+700	48+800	48+900	49+000	49+100	49+200	49+300	49+400	49+500
(1) COTA DE MARGEN IZQUIERDA	283.54	283.46	283.88	284.90	285.48	286.56	287.45	287.75	288.55	289.83	292.48
(3) COTA DE ALTURA DE DISEÑO	285.96	286.58	287.21	287.83	288.45	289.08	289.76	290.44	291.12	291.80	292.48
(4) NIVEL DE AGUA CALCULADA	284.76	285.38	286.01	286.63	287.25	287.88	288.56	289.24	289.92	290.60	291.28
(5) COTA DE FONDO DE CAUCE DE RIO	281.55	282.10	282.63	283.15	283.71	284.31	284.98	285.72	286.52	287.37	288.28

RIO MAJES
PUNTO CRITICO N° 4 (1/2)
 PERFIL LONGITUDINAL

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



Consultores:
Yeo
 Yachlyo Engineering Co., Ltd.



LATIN AMÉRICA - CARIBBEAN
NIPPO 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 MAJES: PUNTO CRITICO N° 4 (1/2) PERFIL LONGITUDINAL

ESCALA: 1/1,500
 FECHA: MARZO-2013
 CÓDIGO: **MAJES - 4**

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

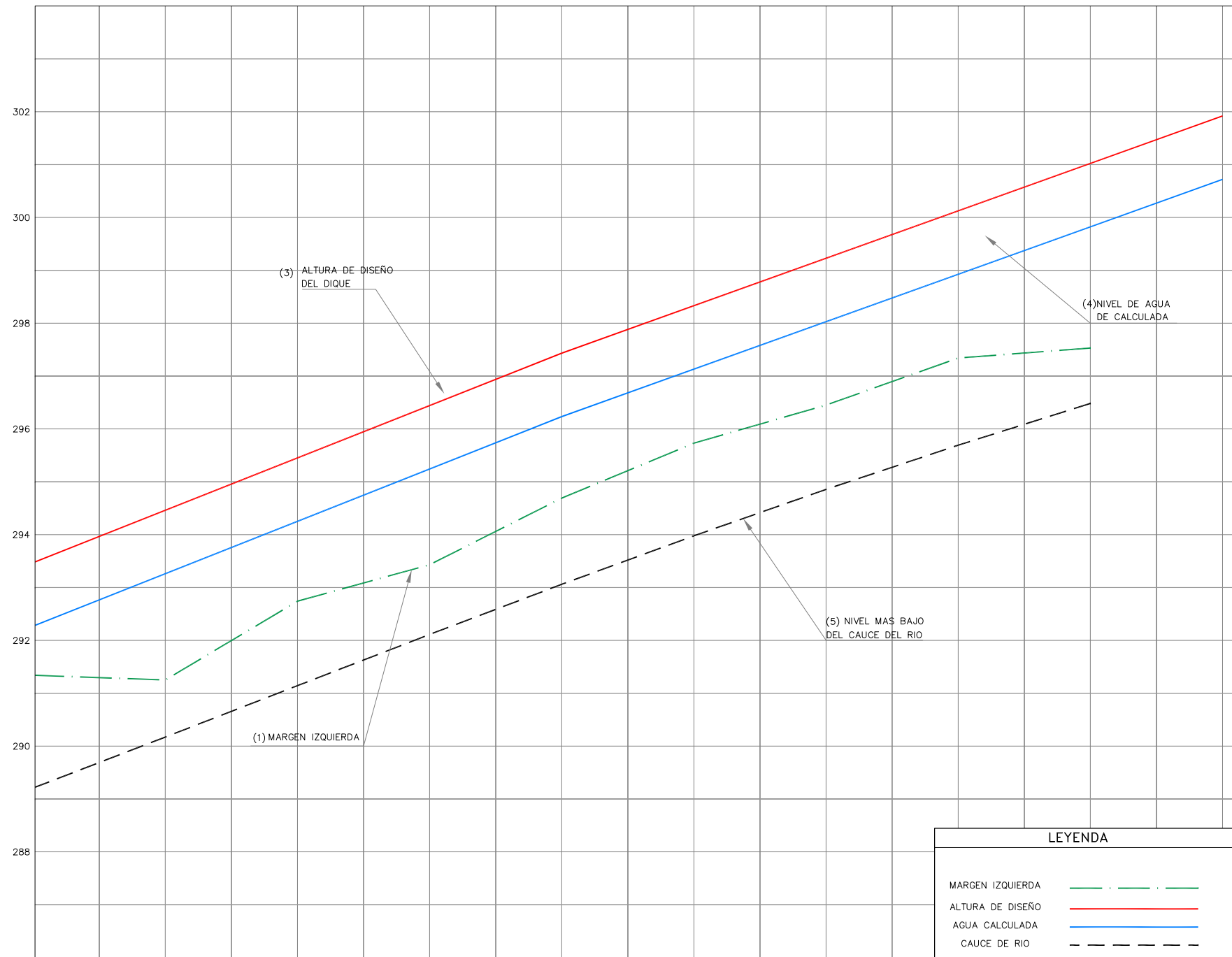
1:200 0 5 10 15

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

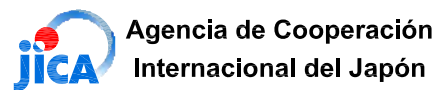
1:750 0 10 20 30 40 50 60



DISTANCIA (m)	49+600	49+700	49+800	49+900	50+000	50+100	50+200	50+300	50+400	50+500
(1) COTA DE MARGEN IZQUIERDA	289.21	290.17	291.14	292.11	293.06	293.98	294.86	295.69	296.48	300.72
(2) COTA DE ALTURA DE DISEÑO	293.47	294.46	295.45	296.44	297.43	298.33	299.23	300.12	301.02	301.92
(3) NIVEL DE AGUA CALCULADA	292.27	293.26	294.25	295.24	296.23	297.13	298.03	298.92	299.82	300.72
(4) COTA DE FONDO DE CAUCE DE RIO	289.21	290.17	291.14	292.11	293.06	293.98	294.86	295.69	296.48	300.72

RIO MAJES
PUNTO CRITICO N° 4 (2/2)
PERFIL LONGITUDINAL

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 MAJES:
 PUNTO CRITICO N° 4 (2/2)
 PERFIL LONGITUDINAL**

ESCALA: 1/1,500
 FECHA: MARZO-2013
 CÓDIGO: **MAJES - 4**

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

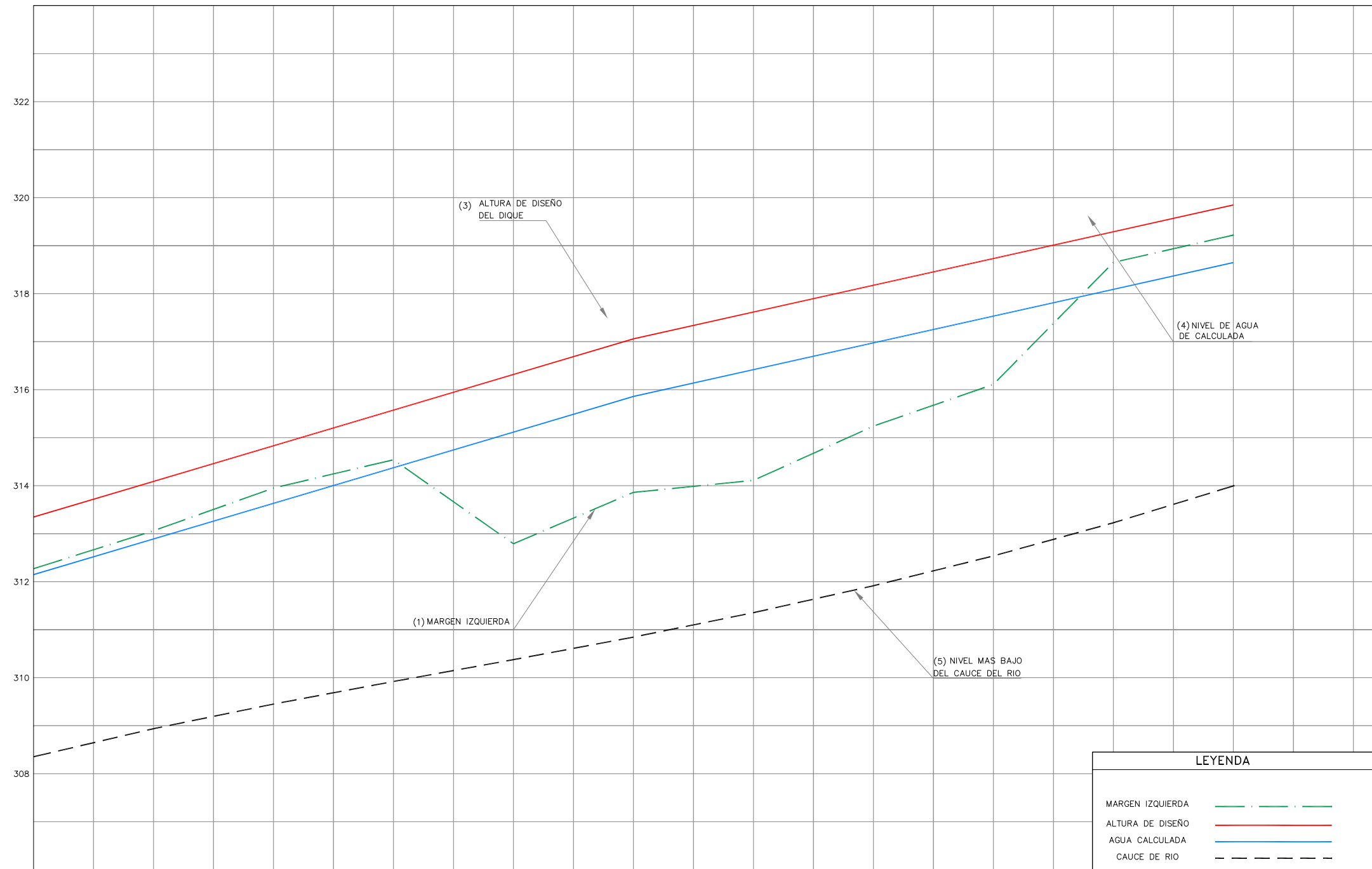
1:200 0 5 10 15

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

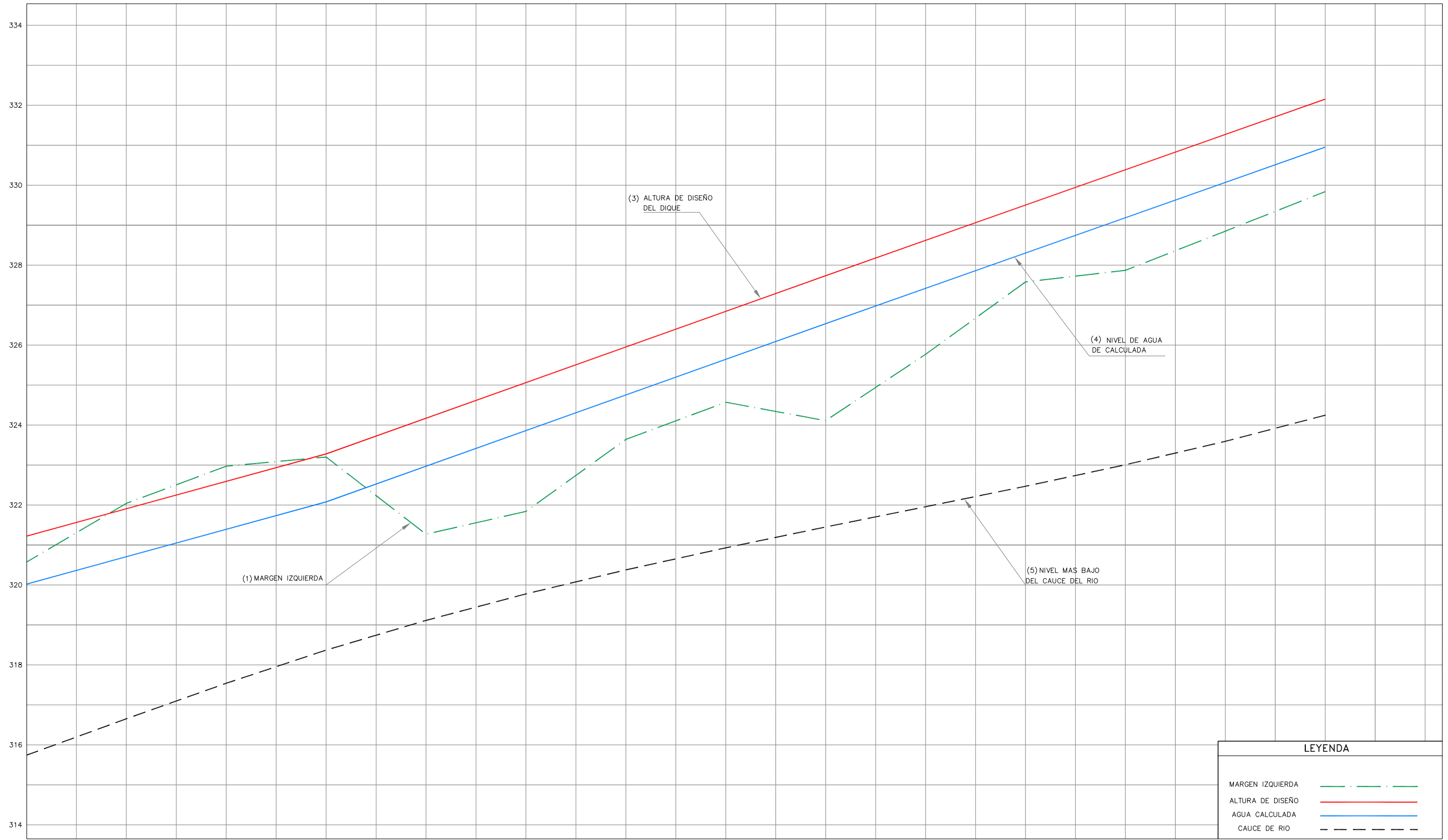
1:750 0 10 20 30 40 50 60



DISTANCIA (m)	52+000	52+100	52+200	52+300	52+400	52+500	52+600	52+700	52+800	52+900	53+000	53+100
(1) COTA DE MARGEN IZQUIERDA	312.27	313.06	313.95	314.54	315.29	316.06	316.82	317.58	318.34	319.10	319.86	320.62
(3) COTA DE ALTURA DE DISEÑO	312.15	312.89	313.63	314.37	315.12	315.86	316.62	317.38	318.14	318.90	319.66	320.42
(4) NIVEL DE AGUA CALCULADA	312.15	312.89	313.63	314.37	315.12	315.86	316.62	317.38	318.14	318.90	319.66	320.42
(5) COTA DE FONDO DE CAUCE DE RIO	308.35	308.94	309.45	309.92	310.38	310.85	311.35	311.91	312.54	313.23	313.98	314.70

RIO MAJES
PUNTO CRITICO N° 5 (1/3)
PERFIL LONGITUDINAL

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

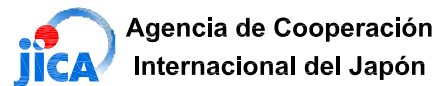


LEYENDA	
MARGEN IZQUIERDA	
ALTURA DE DISEÑO	
AGUA CALCULADA	
CAUCE DE RIO	

DISTANCIA (m)	53+200	53+300	53+400	53+500	53+600	53+700	53+800	53+900	54+000	54+100	54+200	54+300	54+400	54+500	54+600
(1) COTA DE MARGEN IZQUIERDA	320.57	322.04	322.97	323.20	324.27	325.84	326.64	327.57	328.11	328.62	329.50	329.87	330.07	331.27	329.84
(3) COTA DE ALTURA DE DISEÑO	321.22	321.91	322.59	323.28	324.17	325.06	325.95	326.84	327.74	328.62	329.50	330.39	331.27	332.15	329.84
(4) NIVEL DE AGUA CALCULADA	320.02	320.71	321.39	322.08	322.97	323.86	324.75	325.64	326.54	327.42	328.30	329.19	330.07	330.95	332.15
(5) COTA DE FONDO DE CAUCE DE RIO	315.74	316.65	317.54	318.37	319.11	319.78	320.38	320.93	321.45	321.96	322.47	322.91	323.59	324.25	324.25

RIO MAJES
PUNTO CRITICO N° 5 (2/3)
 PERFIL LONGITUDINAL

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

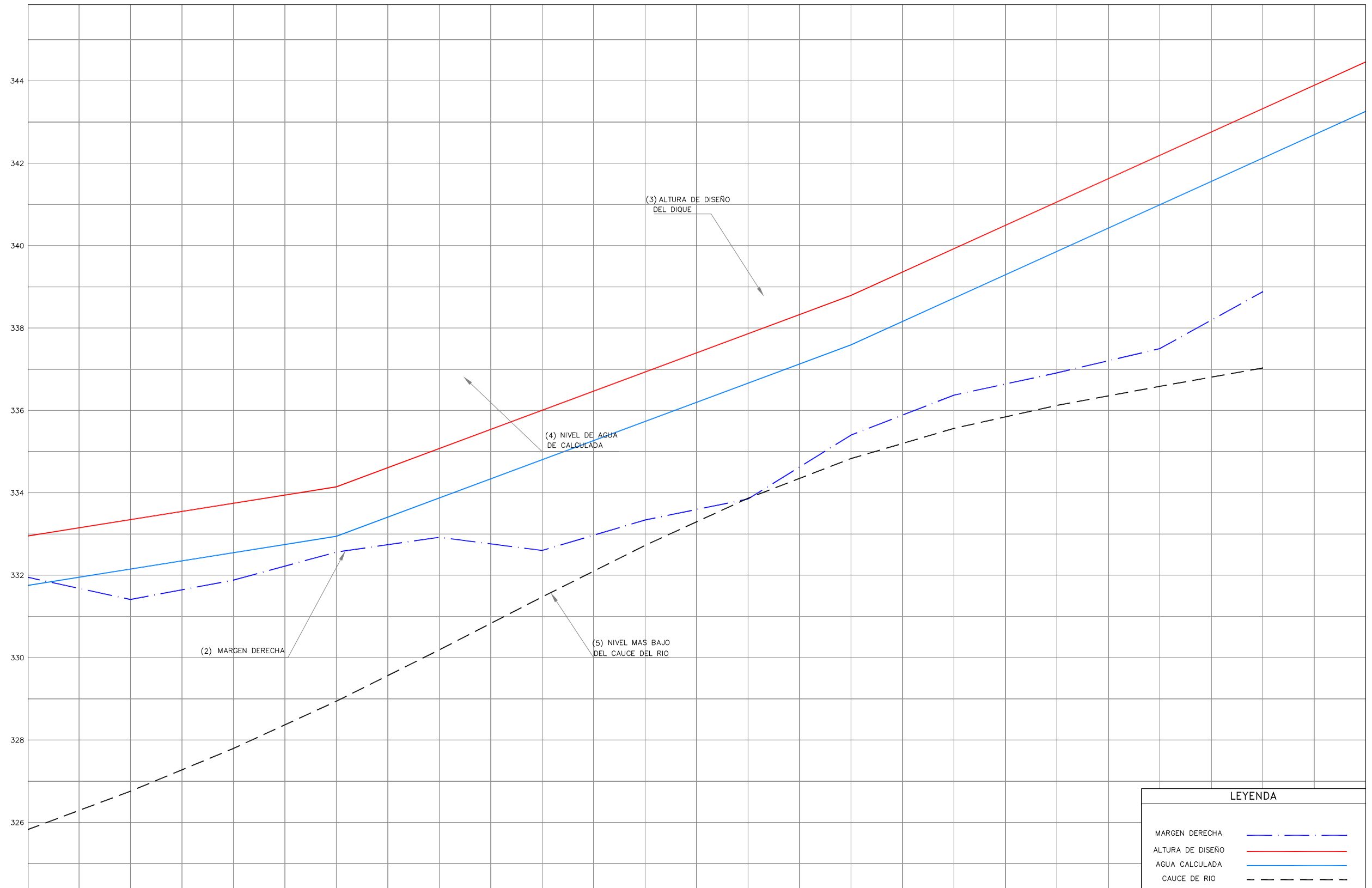


Diseño: M.SOYA
 Revisado: M.KITANO
 Aprobado: Y.NAKAGAWA
 Revisión: REV_3

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

Plano:
**RIO MAJES:
 PUNTO CRITICO N° 5 (2/3)
 PERFIL LONGITUDINAL**

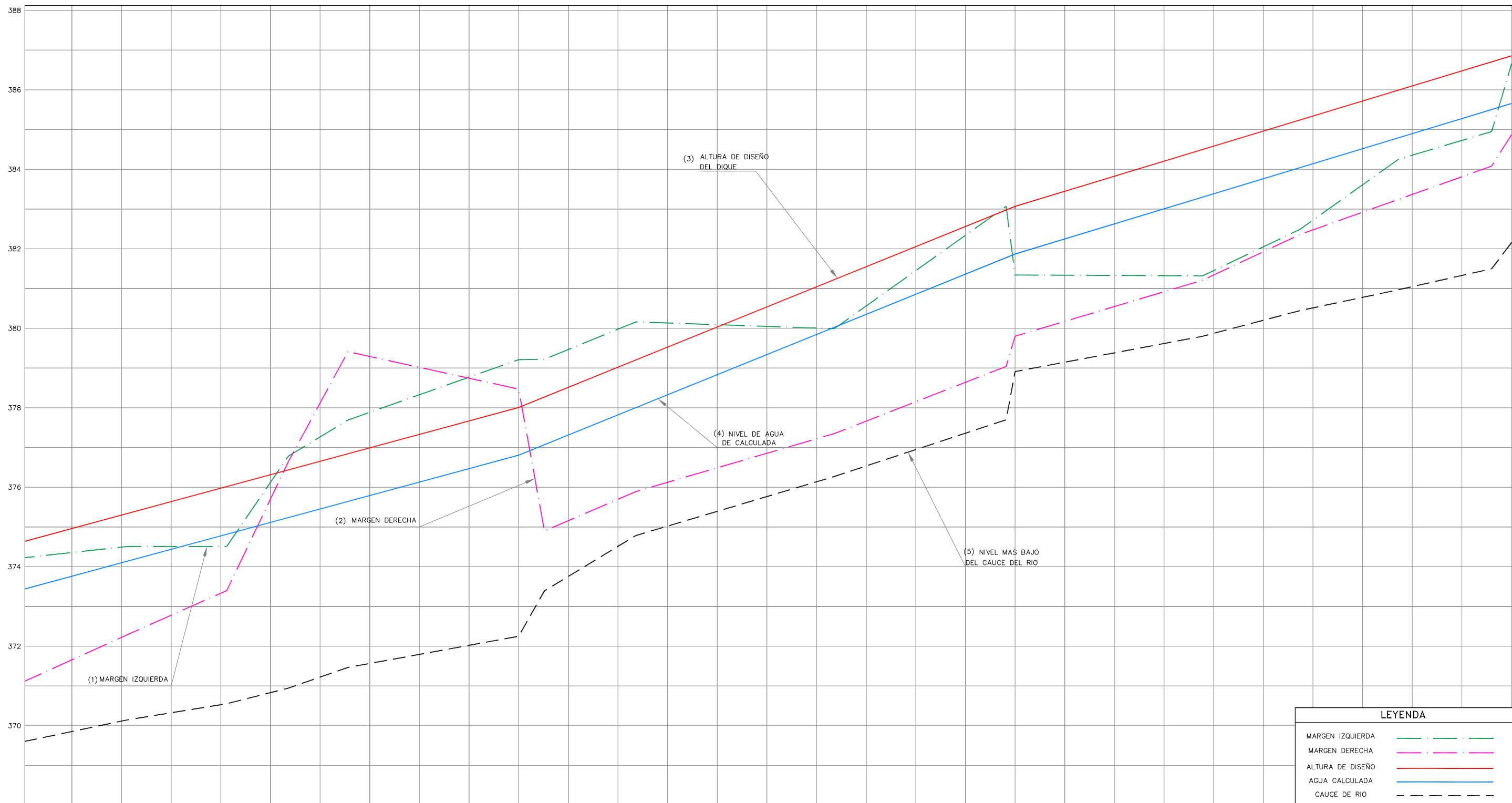
ESCALA: 1/1,500
 FECHA: MARZO-2013
 CÓDIGO: **MAJES - 5**



DISTANCIA (m)	54+700	54+800	54+900	55+000	55+100	55+200	55+300	55+400	55+500	55+600	55+700	55+800	55+900	56+000
(2) COTA DE MARGEN DERECHA	331.95	331.41	331.88	332.56	332.92	332.60	333.34	333.85	335.40	336.37	336.91	337.50	338.88	344.46
(3) COTA DE ALTURA DE DISEÑO	332.95	333.35	333.75	334.14	335.07	336.00	336.93	337.86	338.79	339.92	341.06	342.19	343.32	344.46
(4) NIVEL DE AGUA CALCULADA	331.75	332.15	332.55	333.94	335.07	334.80	335.73	336.66	337.59	338.72	339.86	340.99	342.12	343.26
(5) COTA DE FONDO DE CAUCE DE RIO	325.82	326.76	327.79	328.94	330.19	331.47	332.72	333.87	334.83	335.56	336.12	336.58	337.03	337.46

RIO MAJES
PUNTO CRITICO N° 5 (3/3)
 PERFIL LONGITUDINAL

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

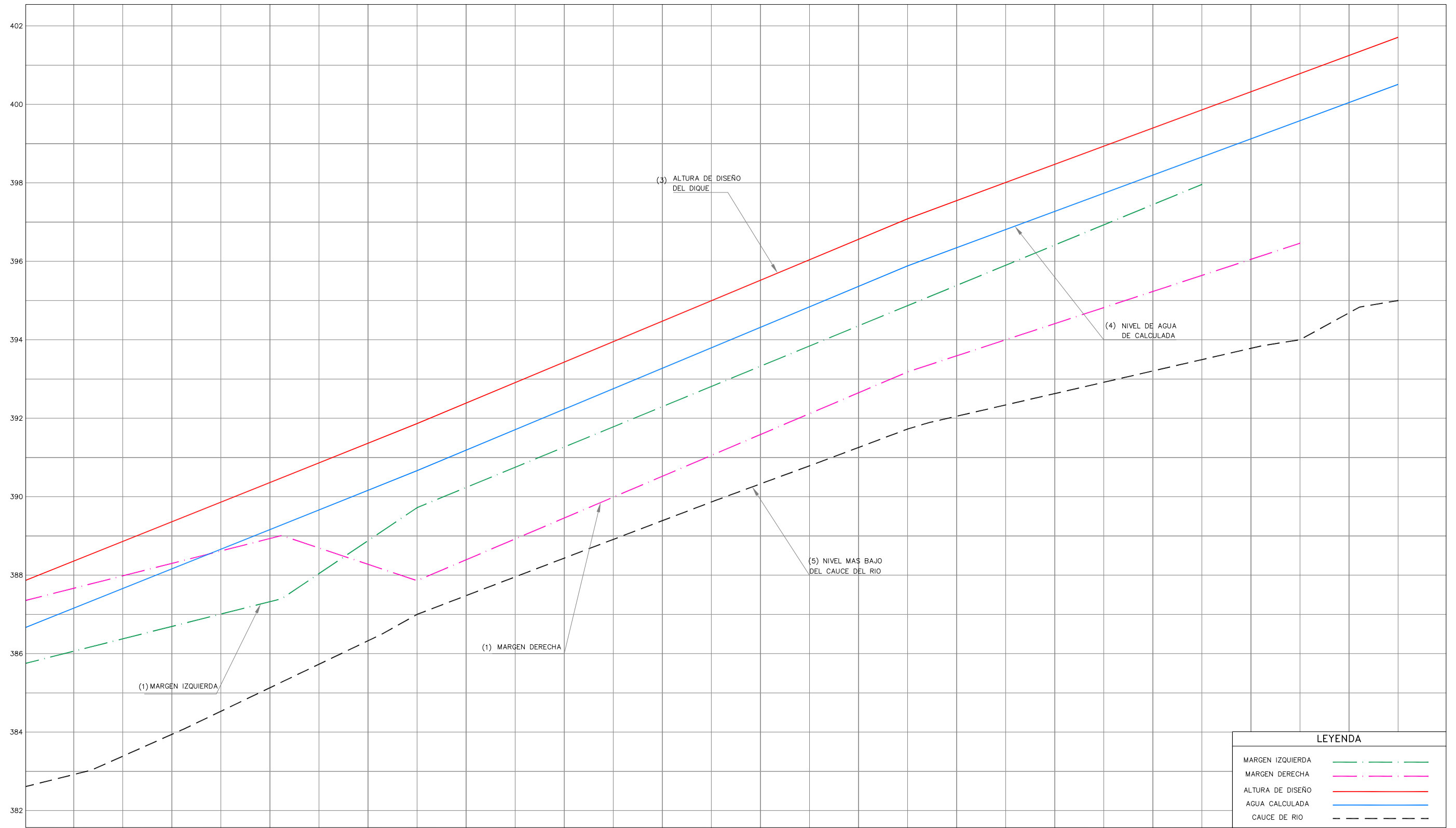


LEYENDA	
MARGEN IZQUIERDA	---
MARGEN DERECHA	—
ALTURA DE DISEÑO	—
AGUA CALCULADA	- - -
CAUCE DE RIO	---

DISTANCIA (m)	59+500	59+600	59+700	59+800	59+900	60+000	60+100	60+200	60+300	60+400	60+500	60+600	60+700	60+800	60+900	61+000
(1) COTA DE MARGEN IZQUIERDA	369.59	373.42	374.62	371.09	374.22											
(2) COTA DE MARGEN DERECHA		370.11	374.10	375.30	372.22	374.49										
(3) COTA DE ALTURA DE DISEÑO			370.53	374.78	375.98	373.33	374.51									
(4) NIVEL DE AGUA CALCULADA			371.22	375.45	376.65	378.12	377.27									
(5) COTA DE FONDO DE CAUCE DE RIO	369.59	373.42	374.62	371.09	374.22	374.51	372.25	376.81	378.01	378.47	379.21					

RIO MAJES
PUNTO CRITICO N° 6 (1/2)
 PERFIL LONGITUDINAL

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



LEYENDA	
MARGEN IZQUIERDA	
MARGEN DERECHA	
ALTURA DE DISEÑO	
AGUA CALCULADA	
CAUCE DE RIO	

DISTANCIA (m)	61+100	61+200	61+300	61+400	61+500	61+600	61+700	61+800	61+900	62+000	62+100	62+200	62+300	62+400	62+500
(1) COTA DE MARGEN IZQUIERDA	385.75	386.38	387.01	388.04	389.72	390.75	391.78	392.81	393.84	394.87	396.15	397.44	398.72	400.46	401.71
(2) COTA DE MARGEN DERECHA	387.35	387.98	388.62	389.69	391.87	392.91	393.95	395.00	396.04	397.08	398.01	399.03	399.86	400.78	401.71
(3) COTA DE ALTURA DE DISEÑO	387.86	388.86	389.86	390.86	391.87	392.91	393.95	395.00	396.04	397.08	398.01	399.03	399.86	400.78	401.71
(4) NIVEL DE AGUA CALCULADA	386.66	387.66	388.66	389.66	390.67	391.71	392.75	393.80	394.84	395.88	396.81	397.73	398.66	399.58	400.51
(5) COTA DE FONDO DE CAUCE DE RIO	382.60	383.39	384.53	385.73	387.00	388.29	389.91	391.78	393.84	395.88	397.73	399.33	400.78	401.71	401.71

RIO MAJES
PUNTO CRITICO N°6 (2/2)
 PERFIL LONGITUDINAL

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

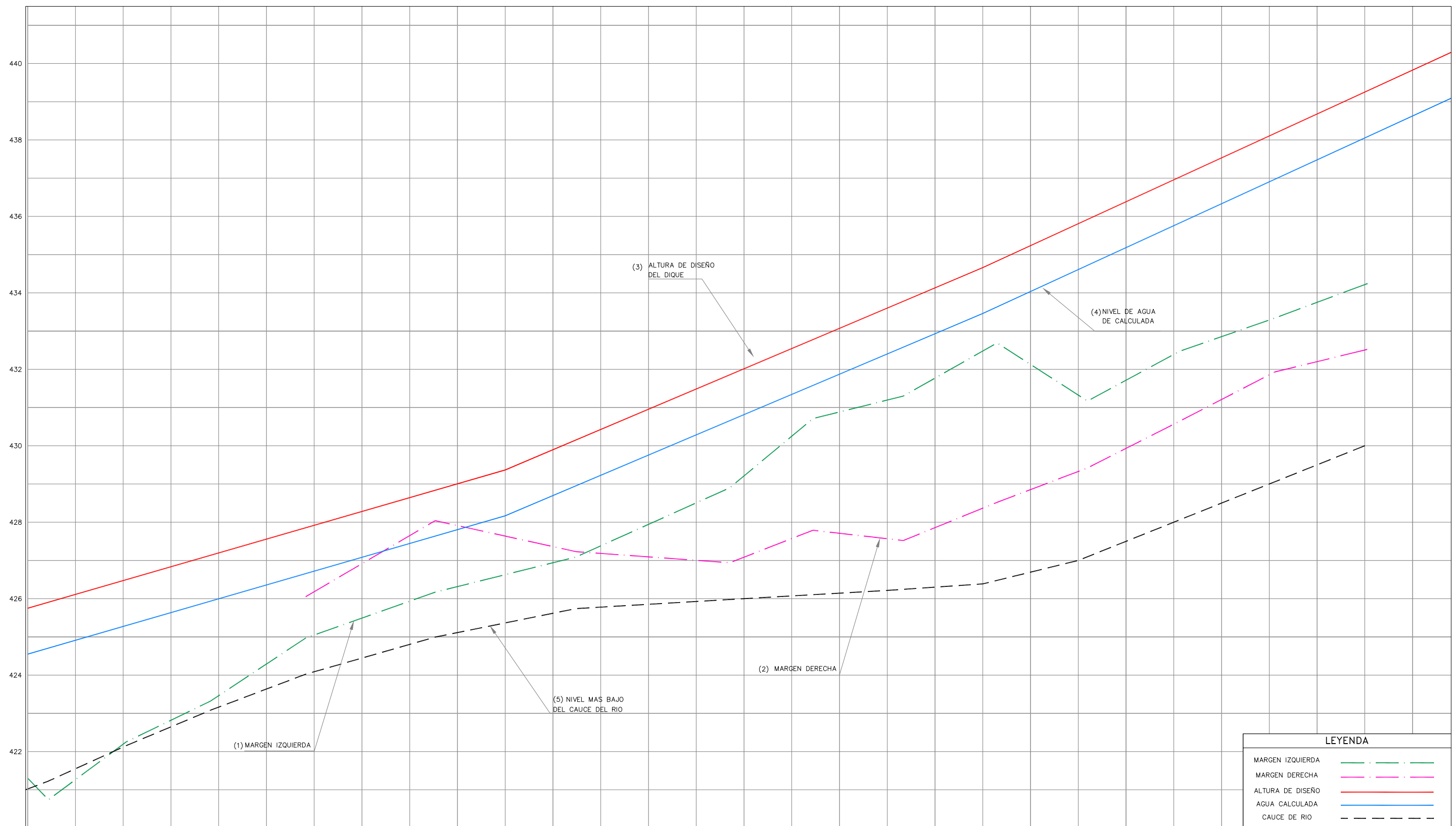
1:200 0 5 10 15

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



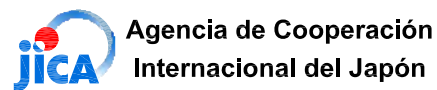
LEYENDA

- MARGEN IZQUIERDA
- MARGEN DERECHA
- ALTURA DE DISEÑO
- AGUA CALCULADA
- CAUCE DE RIO

DISTANCIA (m)	65+000	65+100	65+200	65+300	65+400	65+500	65+600	65+700	65+800	65+900	66+000	66+100	66+200	66+300	66+400
(1) COTA DE MARGEN IZQUIERDA	421.30	422.19	423.46	425.05	426.93	428.63	429.38	428.51	430.25	431.20	432.48	433.33	434.39	435.29	434.22
(2) COTA DE MARGEN DERECHA															
(3) COTA DE ALTURA DE DISEÑO	425.75	426.47	427.20	428.18	428.64	429.37	430.43	431.48	432.54	433.60	434.66	435.81	436.96	438.10	439.42
(4) NIVEL DE AGUA CALCULADA	424.55	425.27	426.00	426.72	427.44	428.17	429.23	430.28	431.34	432.40	433.46	434.61	435.76	436.90	438.22
(5) COTA DE FONDO DE CAUCE DE RIO	421.02	422.12	423.16	424.09	424.80	425.50	425.78	425.93	426.07	426.21	426.39	427.00	428.00	429.00	430.00

RIO MAJES PUNTO CRITICO N° 7 PERFIL LONGITUDINAL

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



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



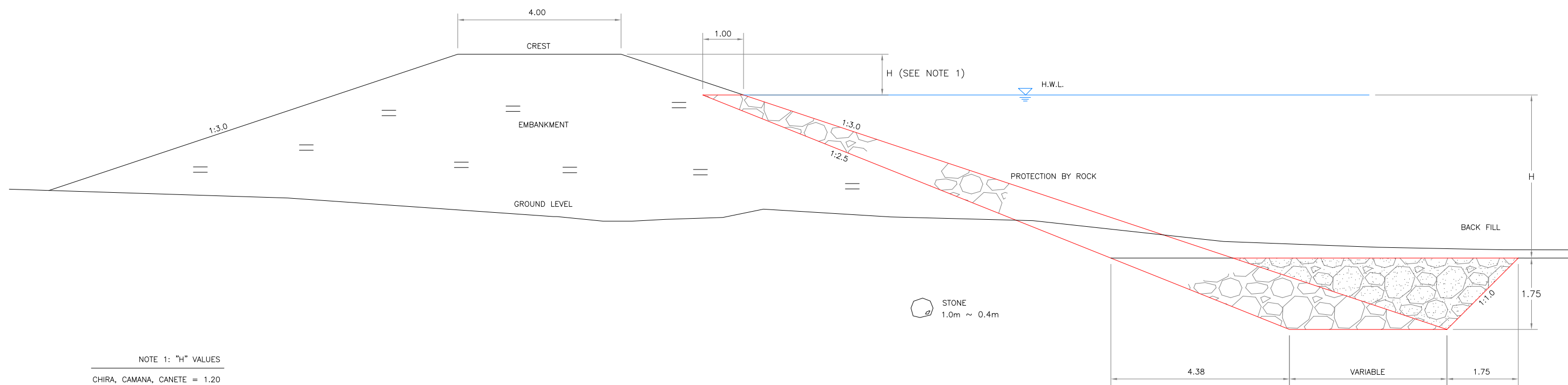
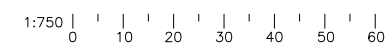
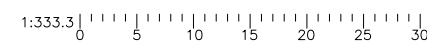
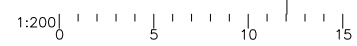
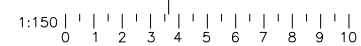
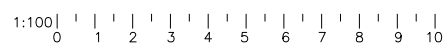
LATIN AMÉRICA - CARIBE **NIPPO KOEI LAC CO., LTD.** Consulting Engineers

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 MAJES: PUNTO CRITICO N°7 PERFIL LONGITUDINAL**

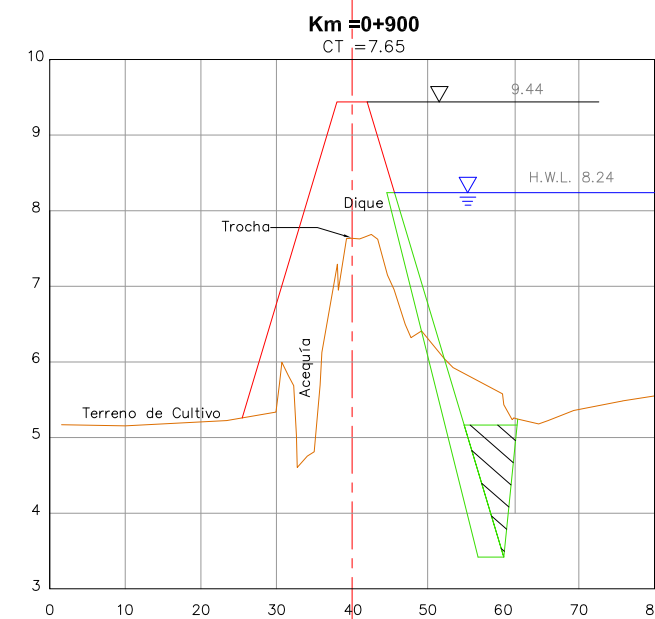
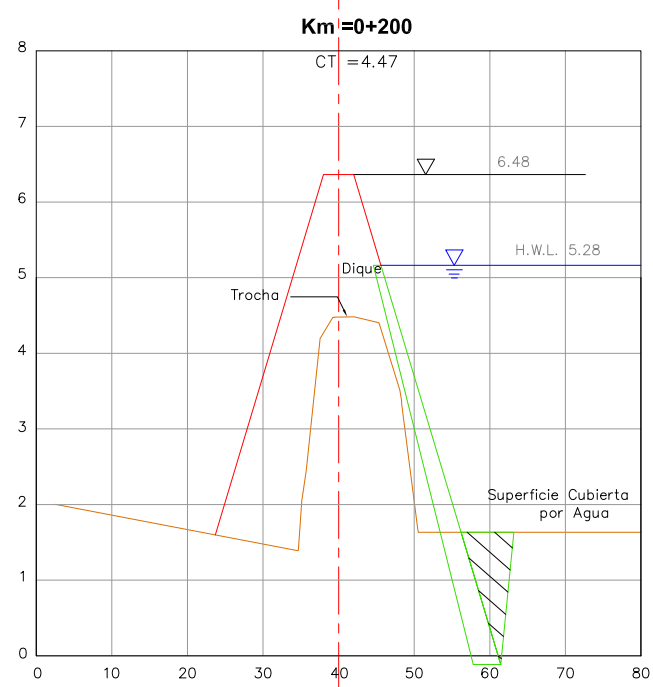
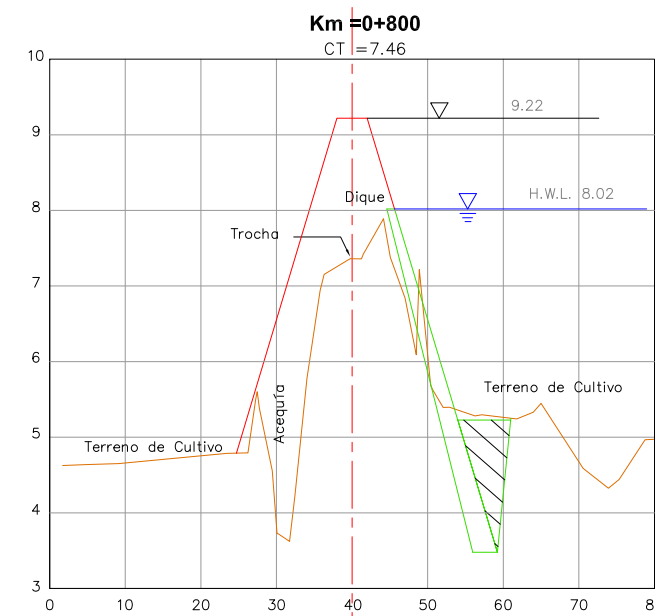
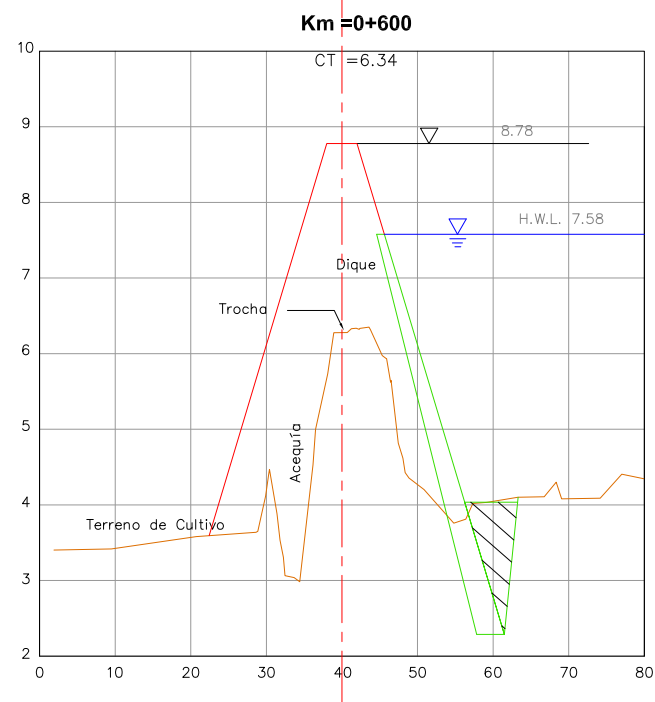
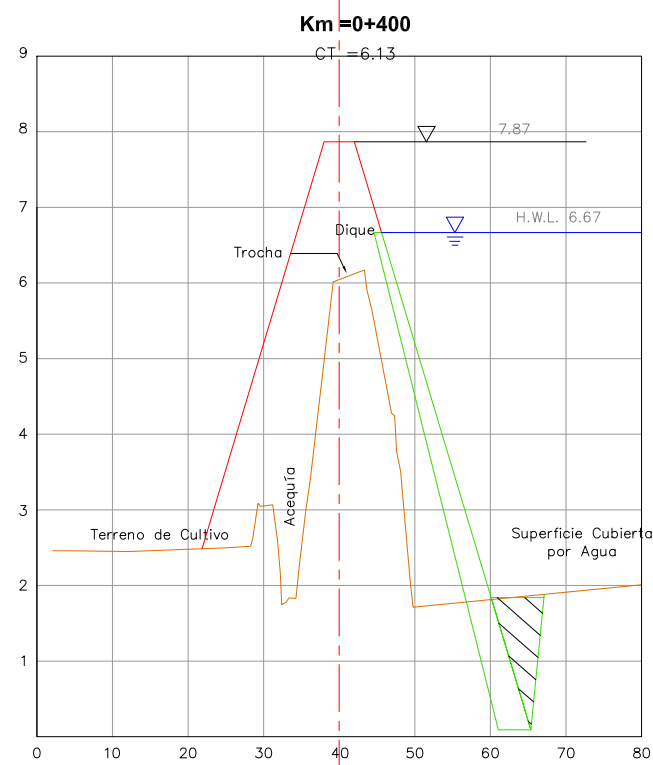
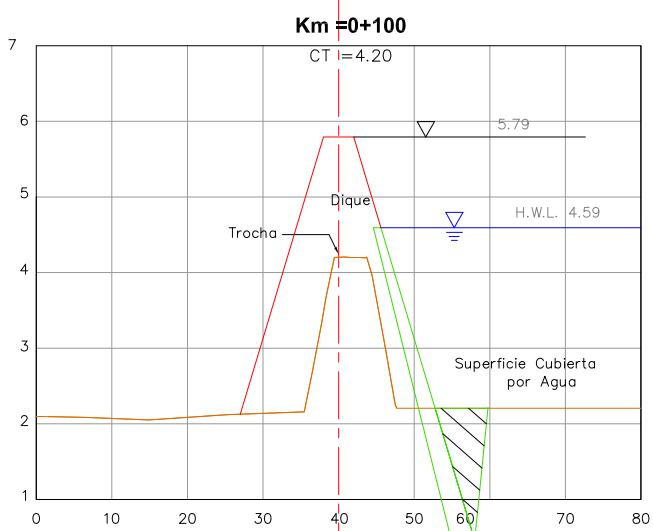
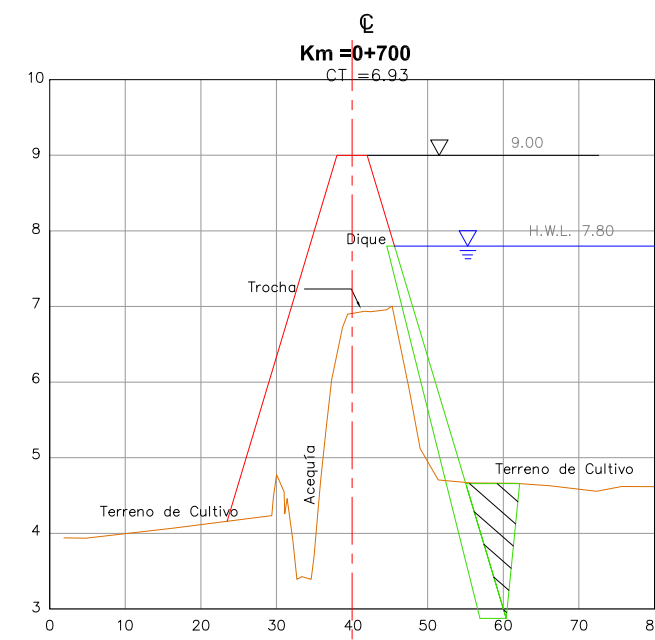
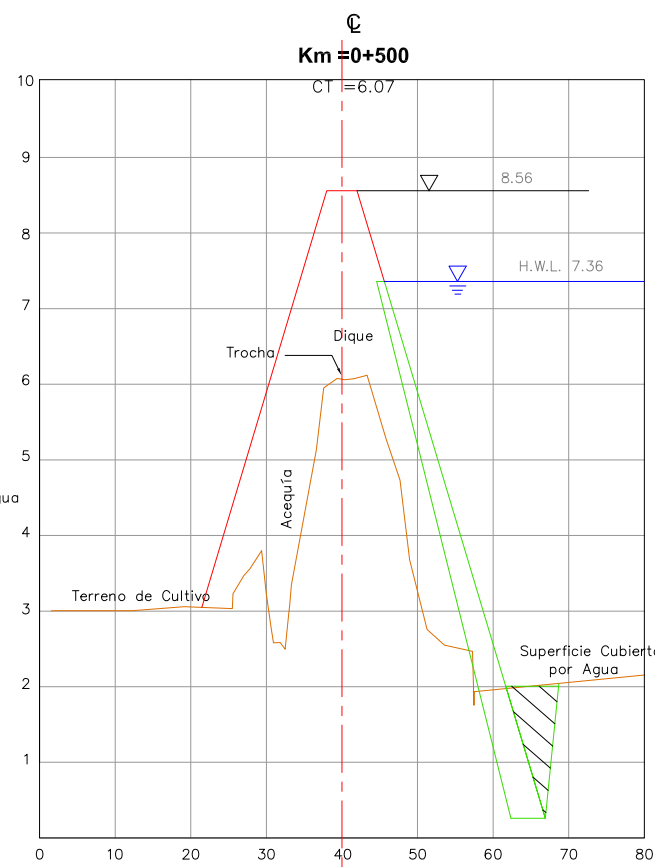
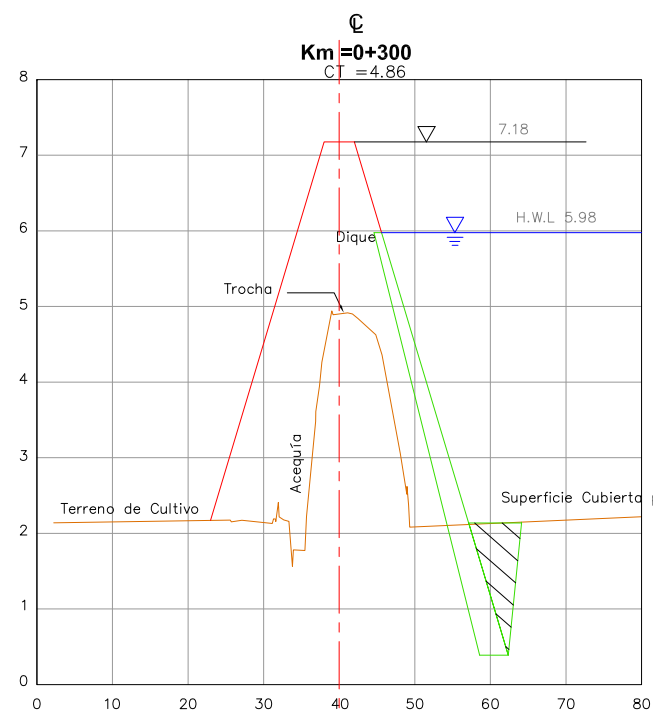
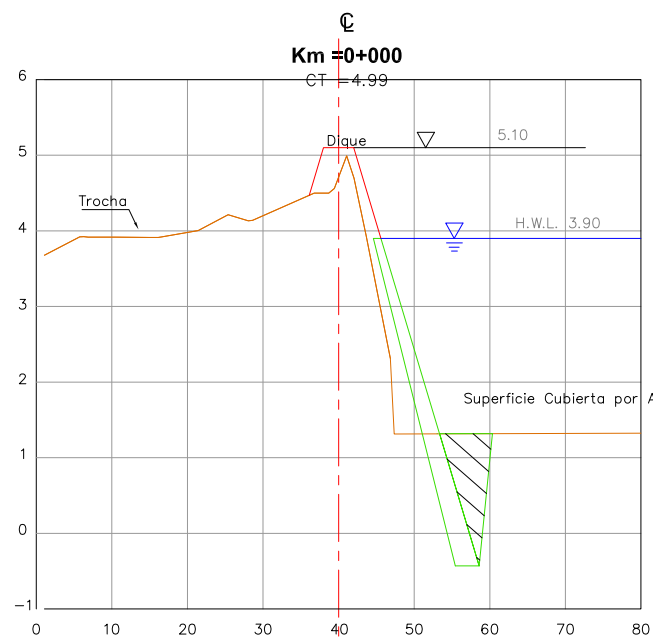
ESCALA: 1/1,500
FECHA: MARZO-2013
CÓDIGO: **MAJES - 7**



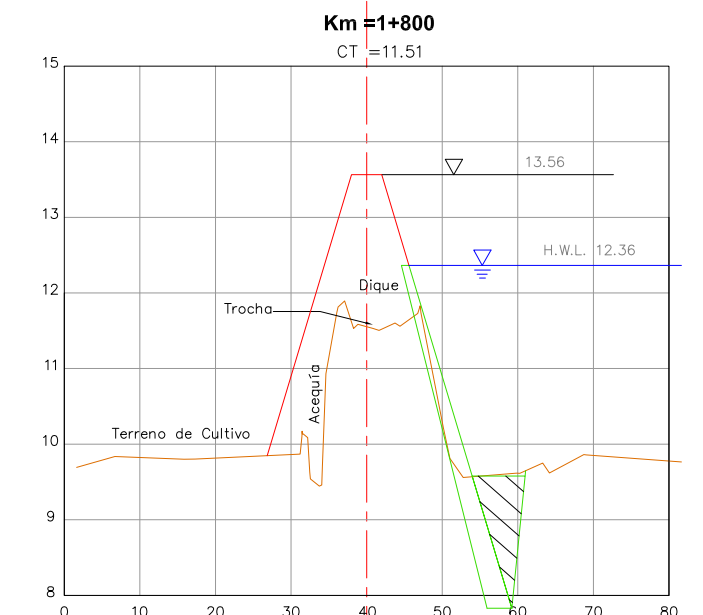
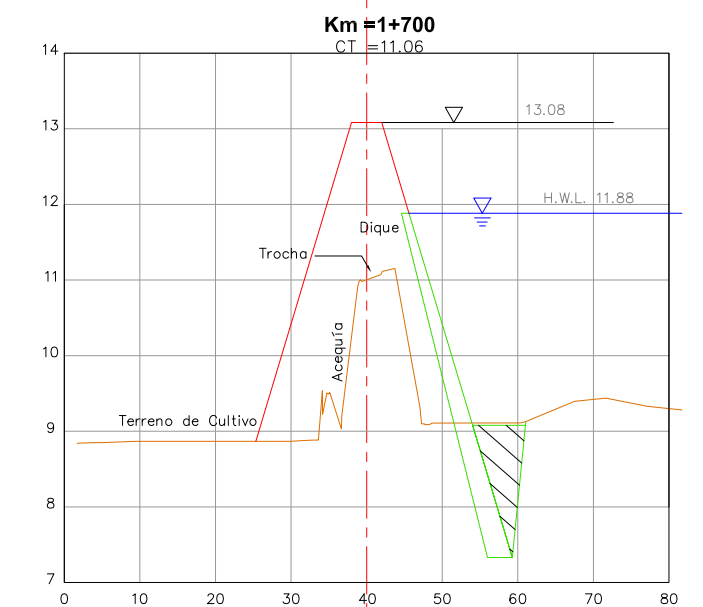
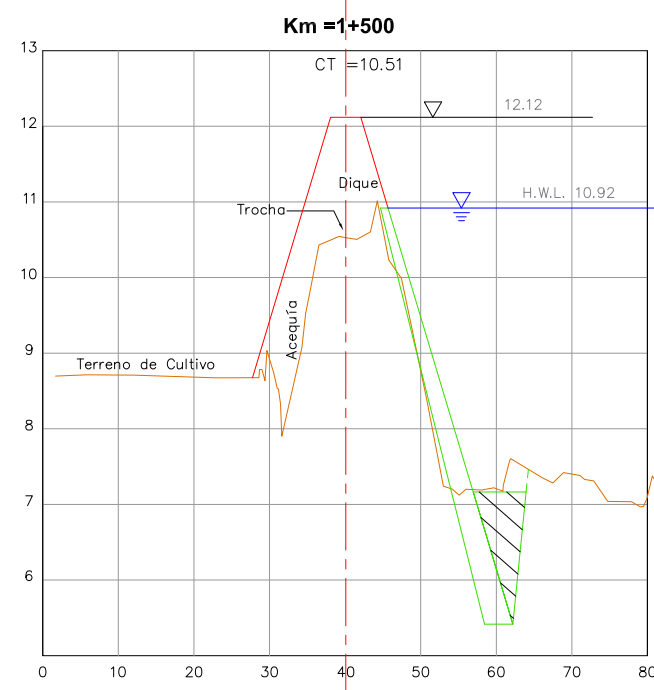
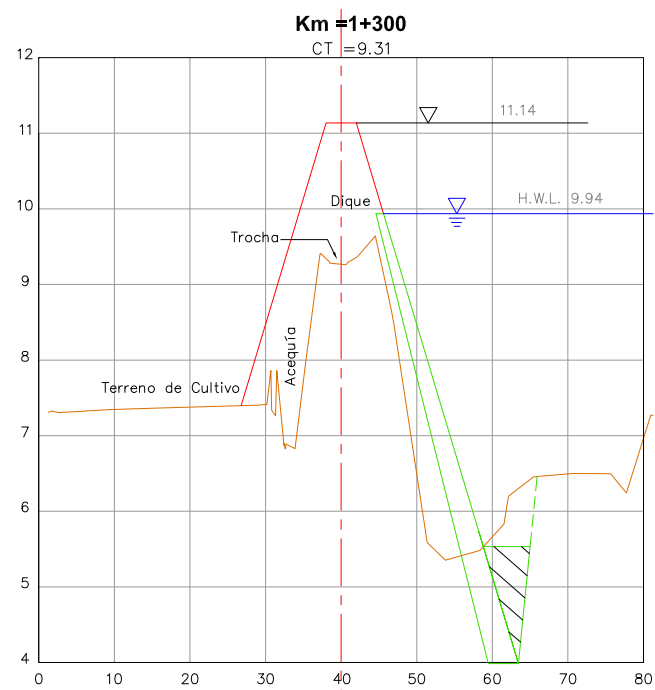
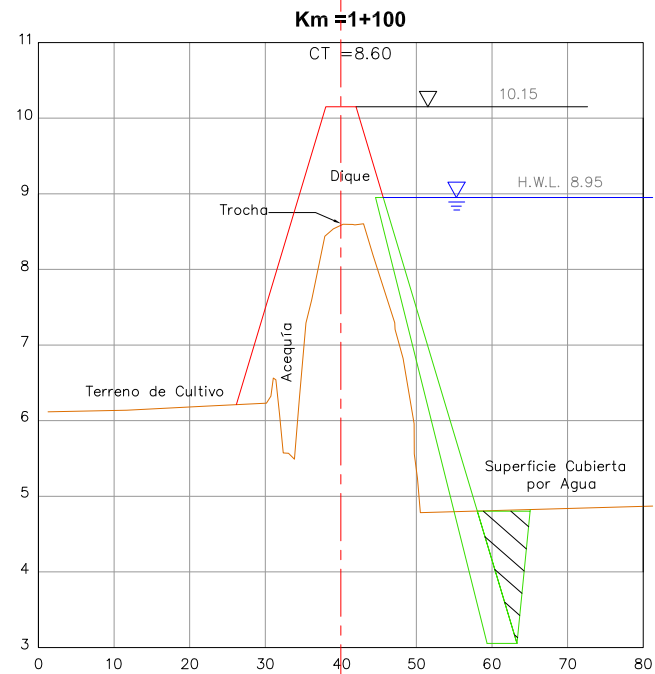
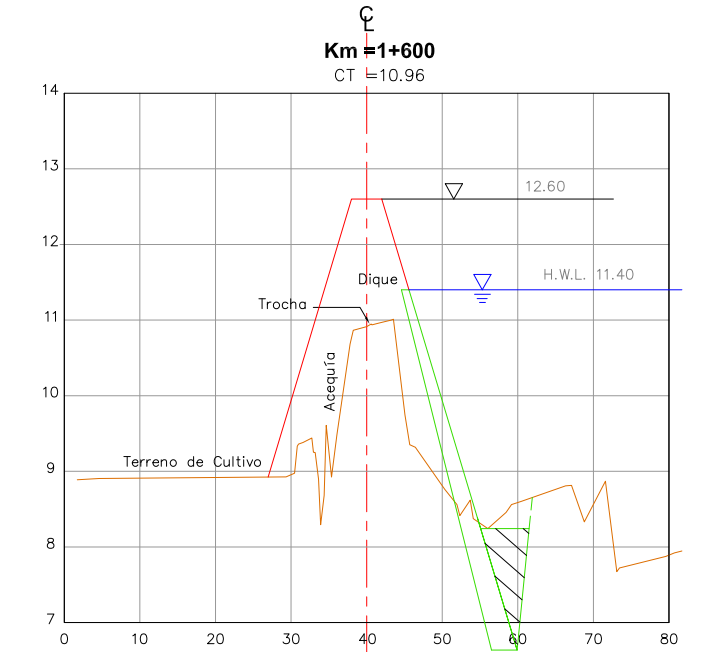
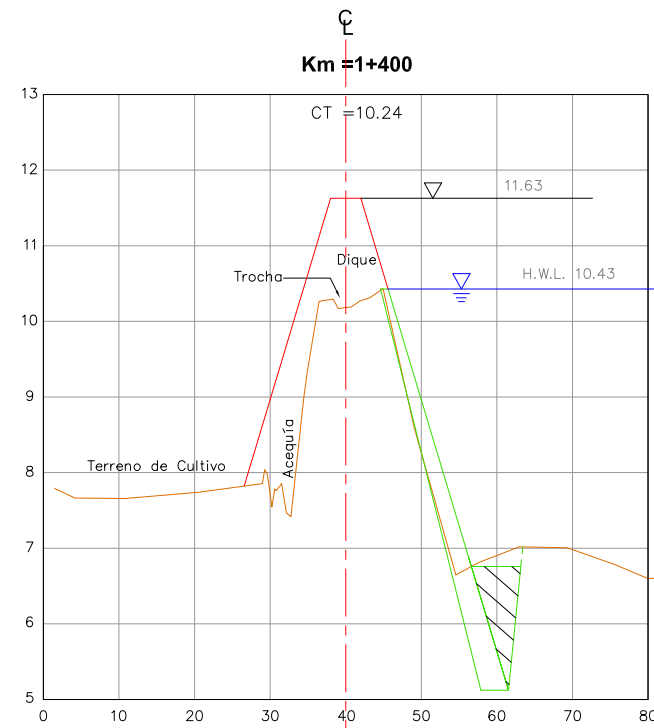
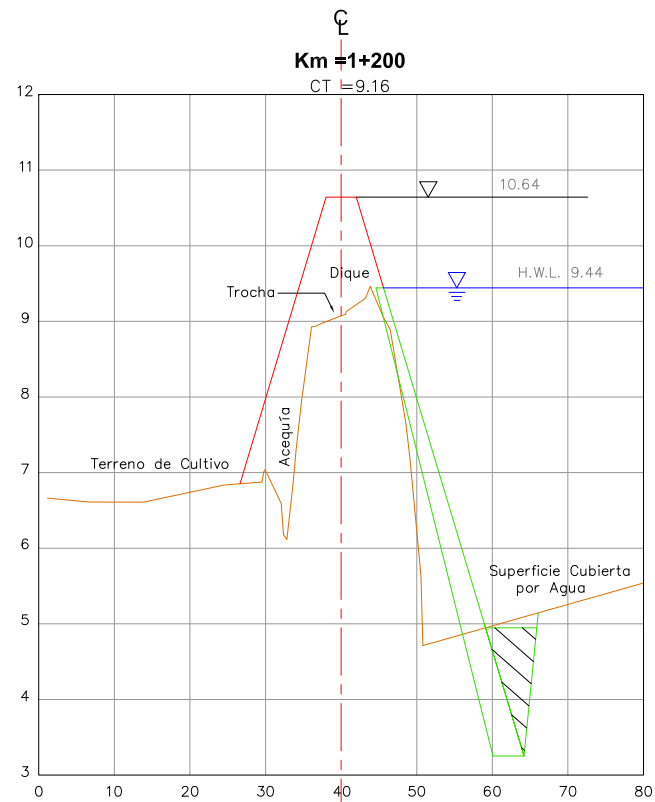
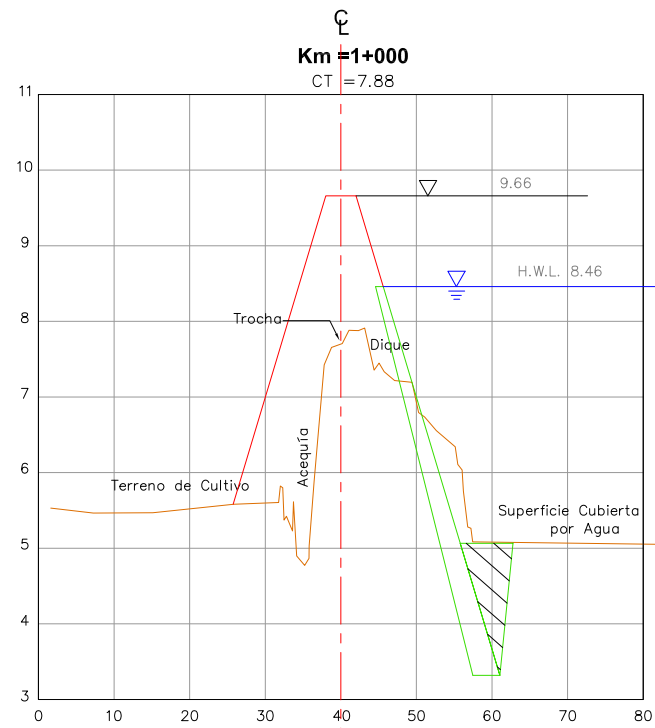
NOTE 1: "H" VALUES
 CHIRA, CAMANA, CANETE = 1.20
 PISCO = 1.00
 CHINCHA, YAUCA = 0.80

SECCIÓN TÍPICA DE DIQUE PROYECTADO

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

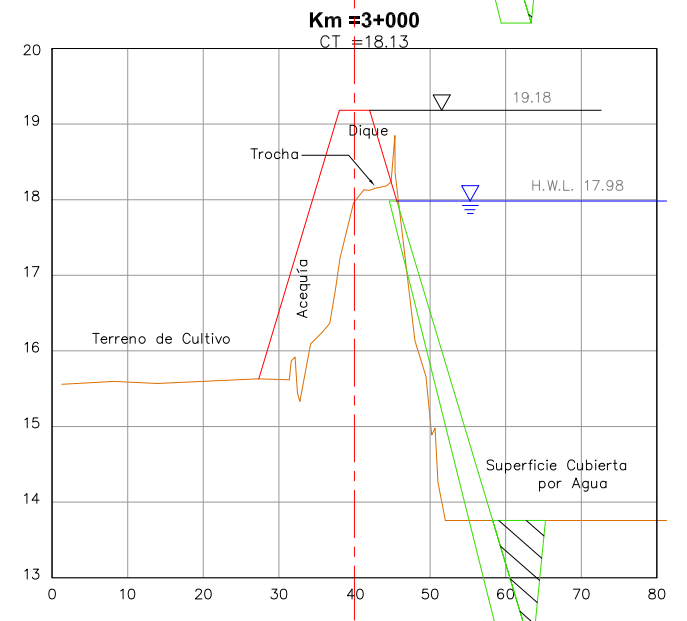
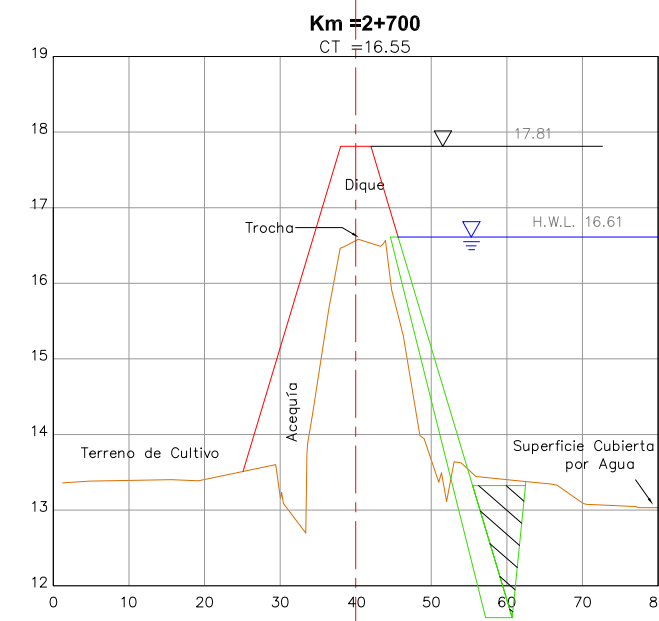
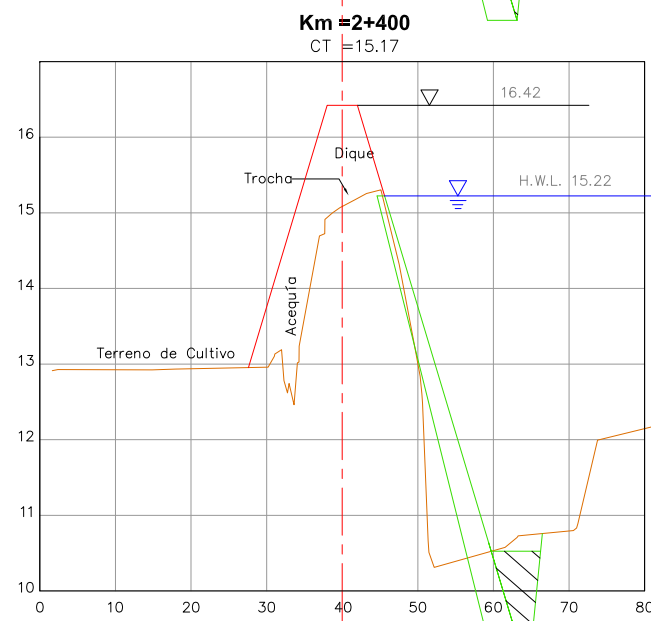
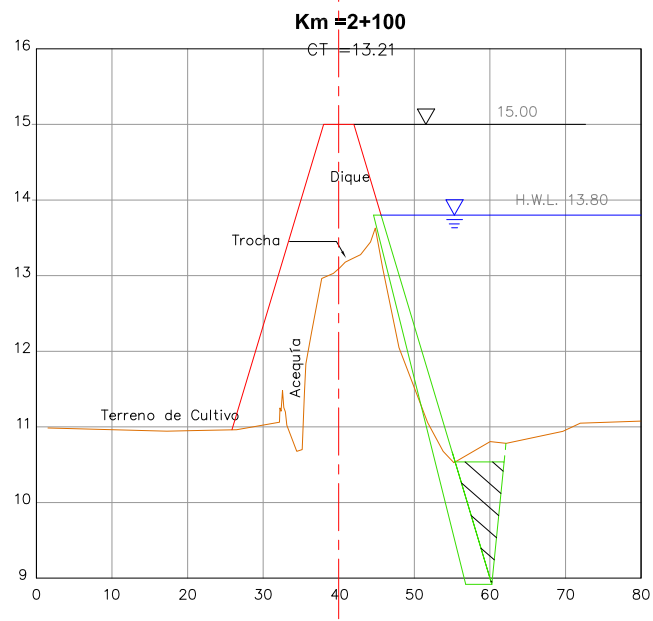
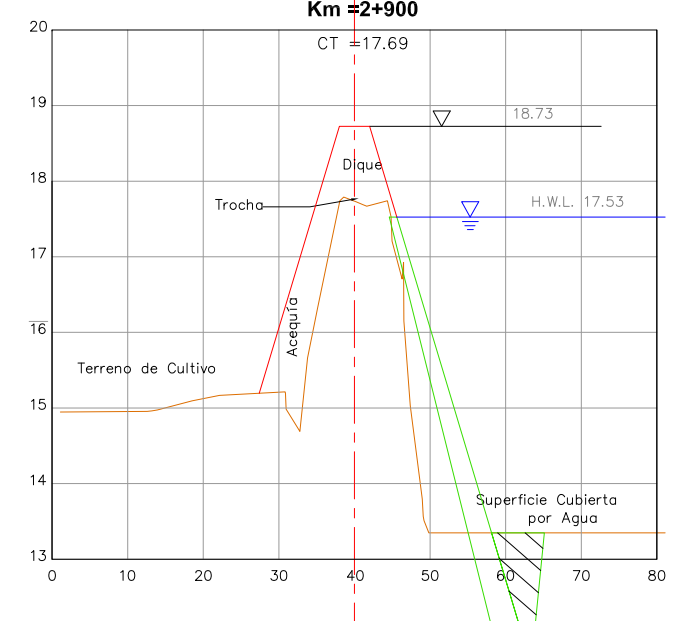
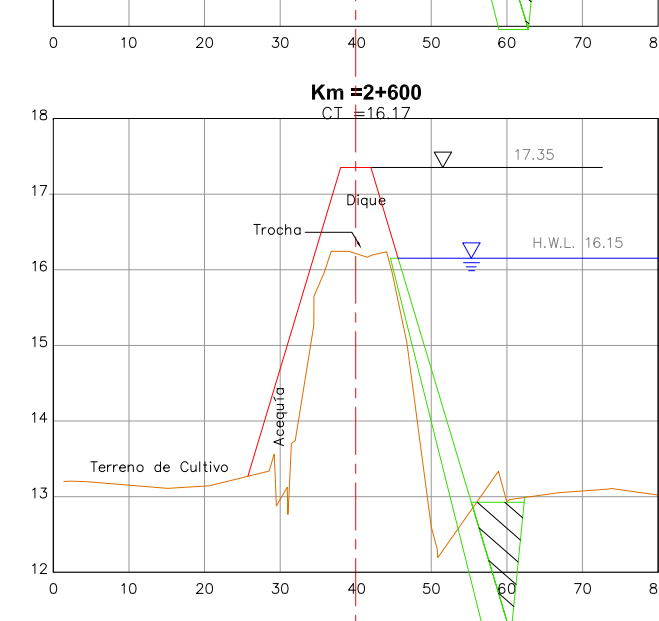
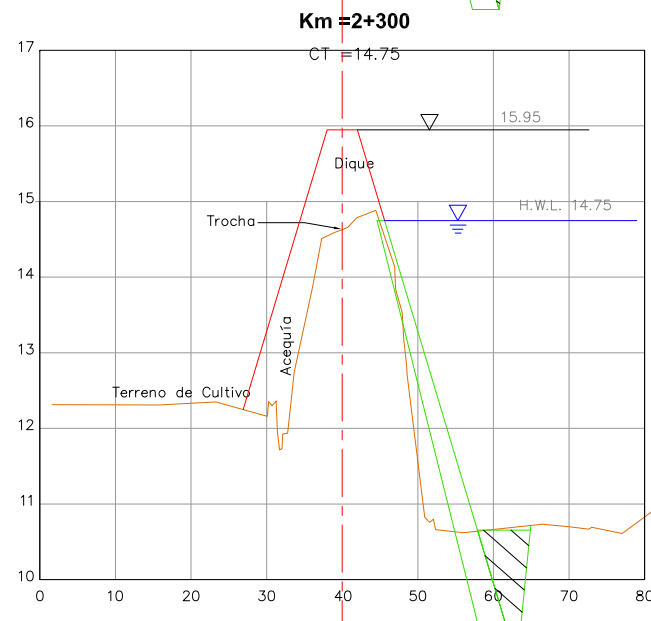
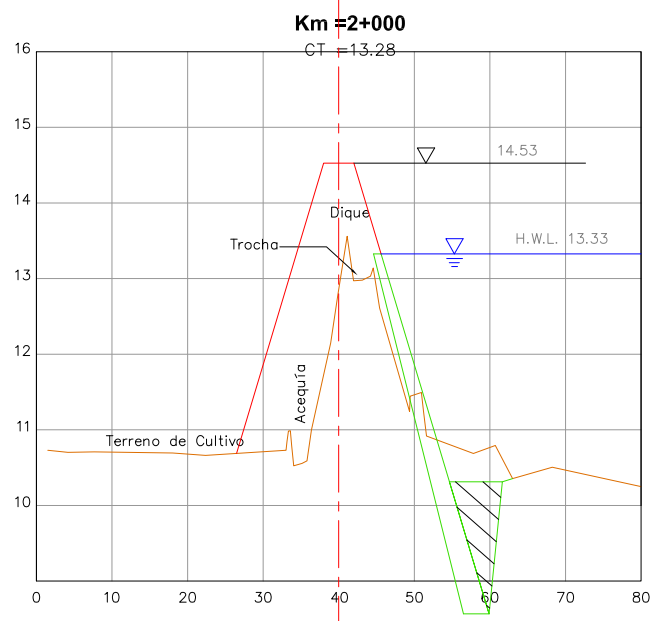
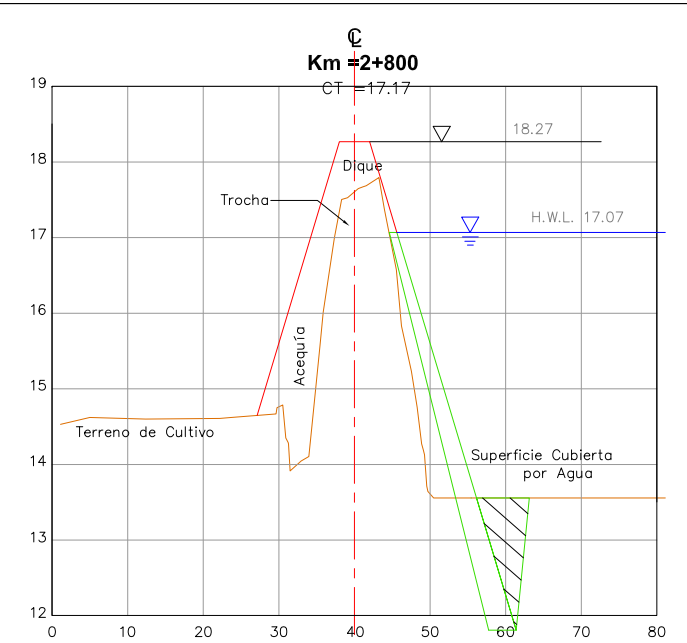
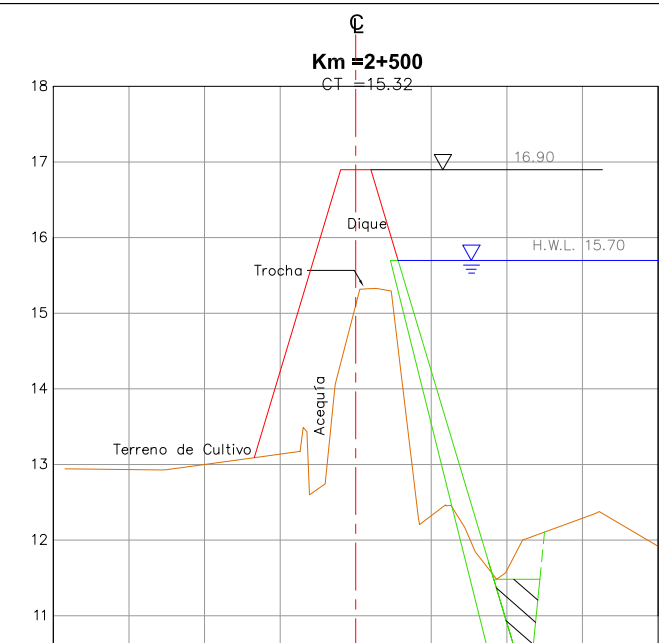
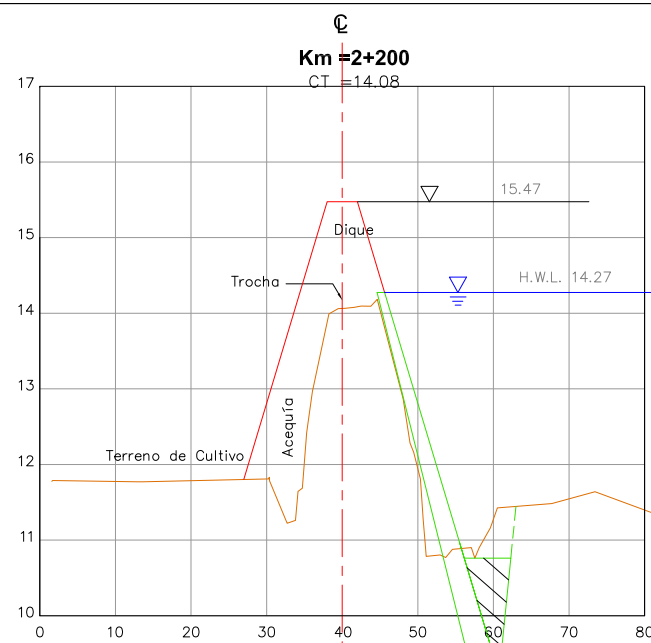
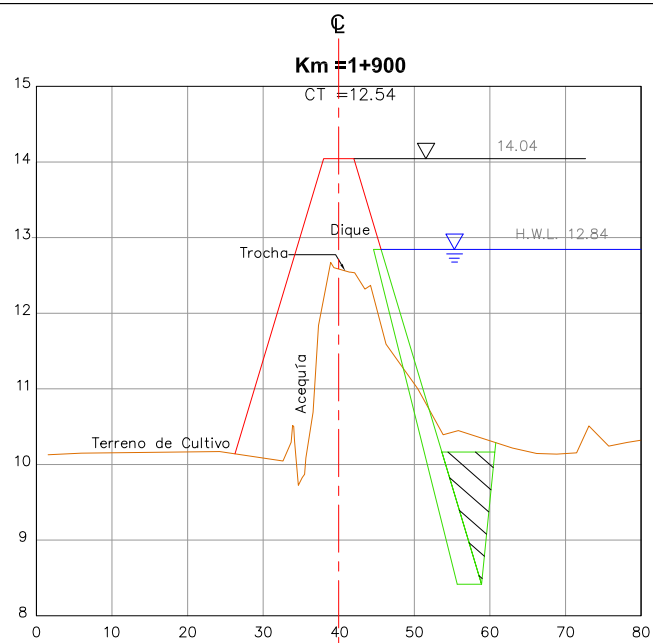
1:200 0 5 10 15

1:250 0 5 10 15 20

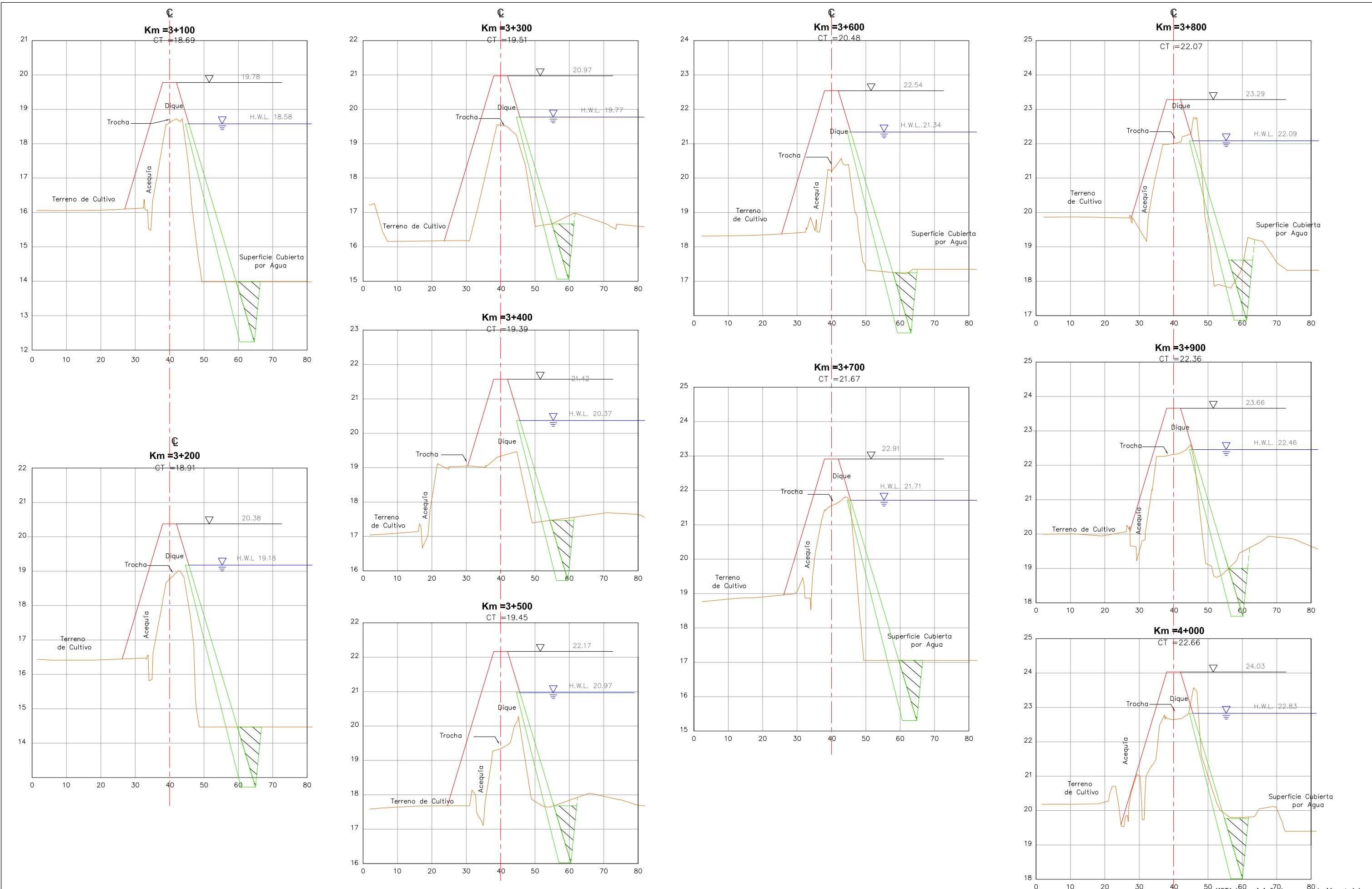
1:333.3 0 5 10 15 20 25 30

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

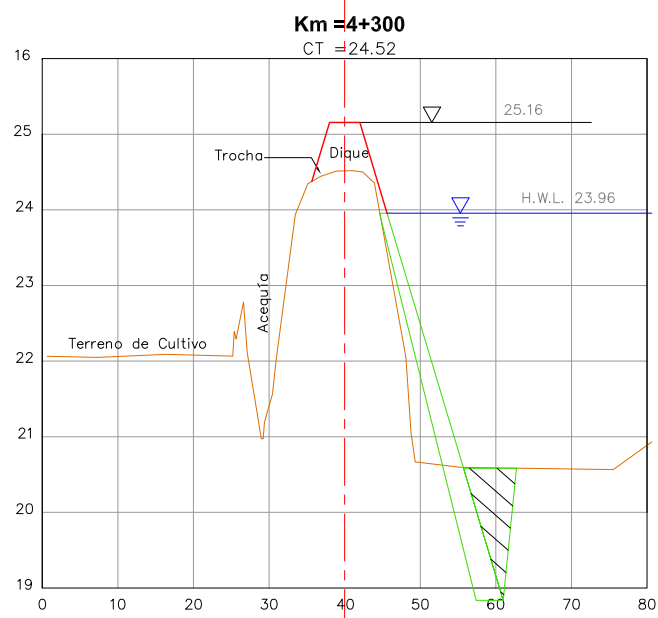
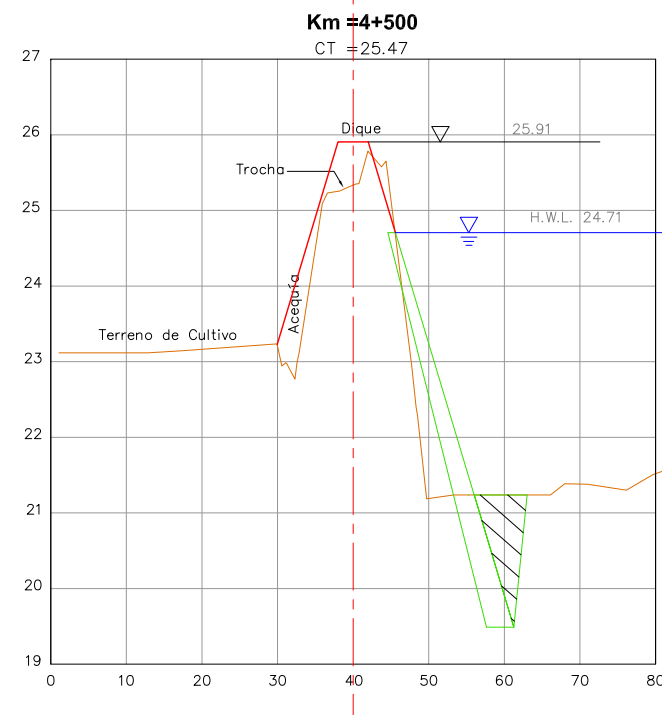
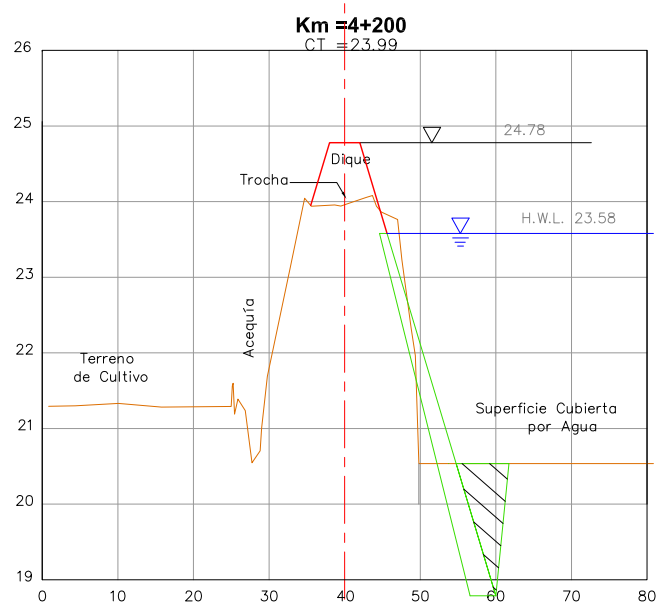
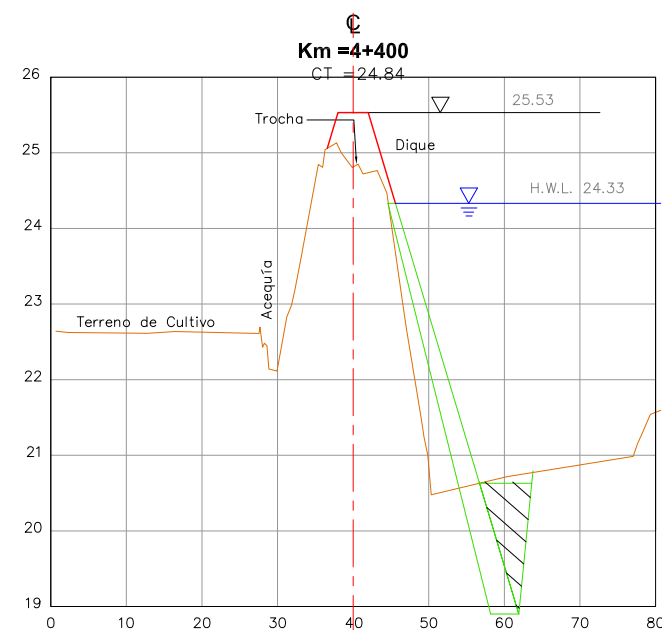
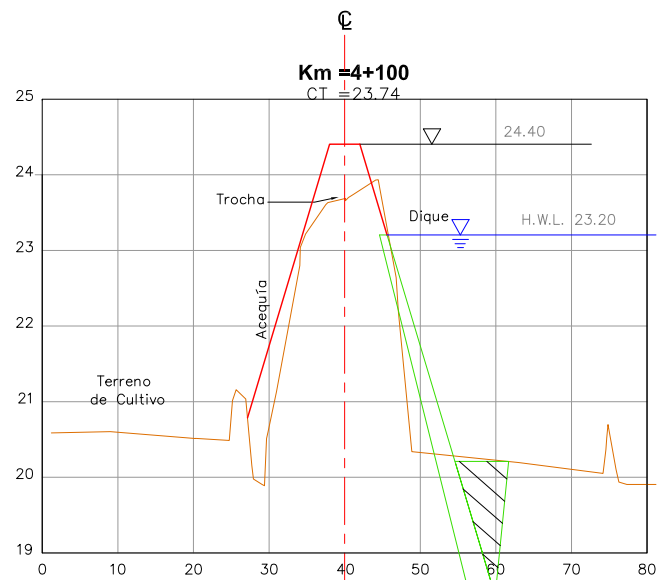
1:750 0 10 20 30 40 50 60



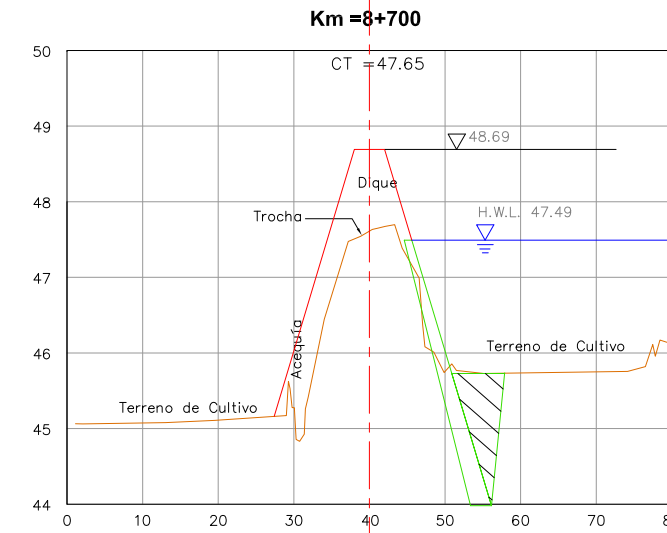
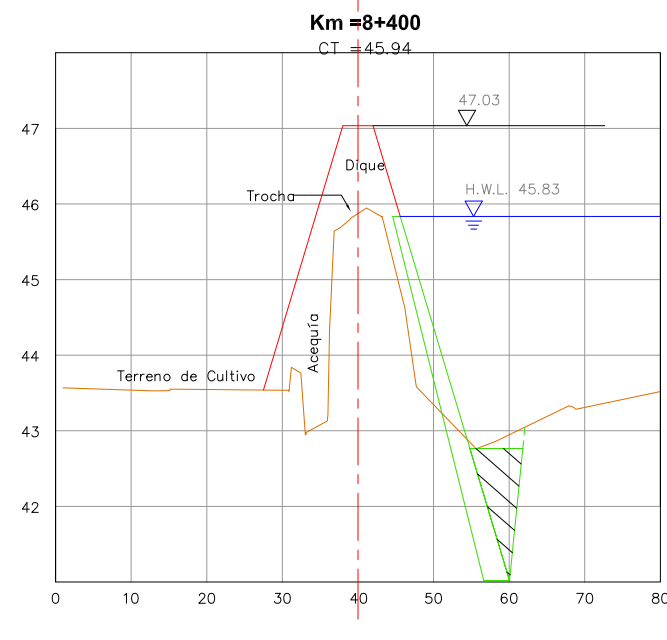
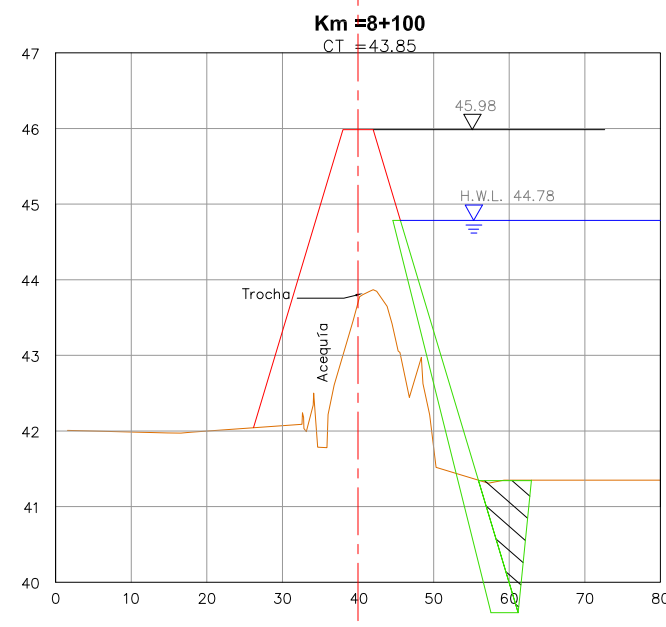
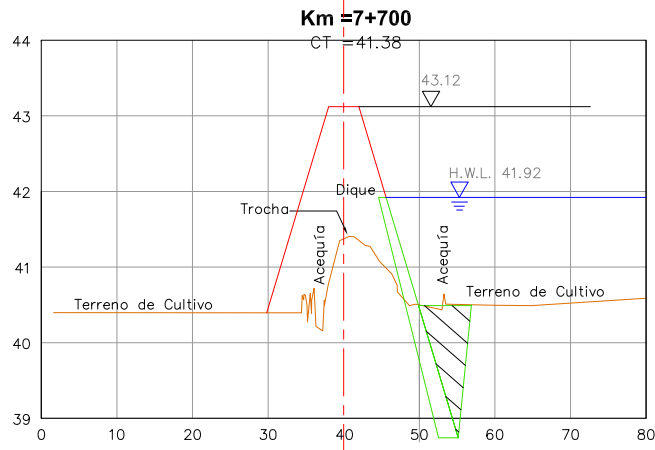
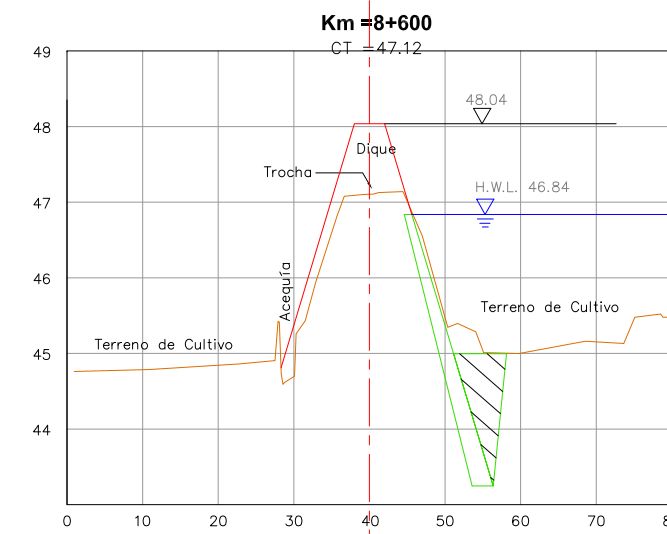
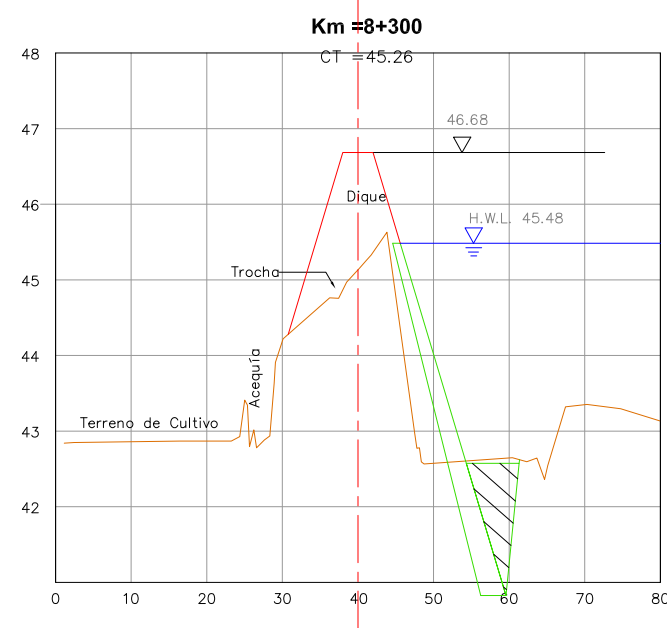
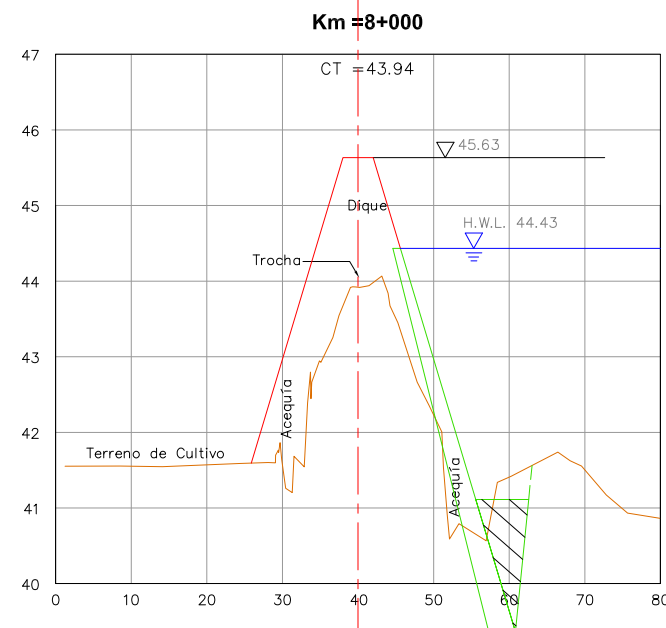
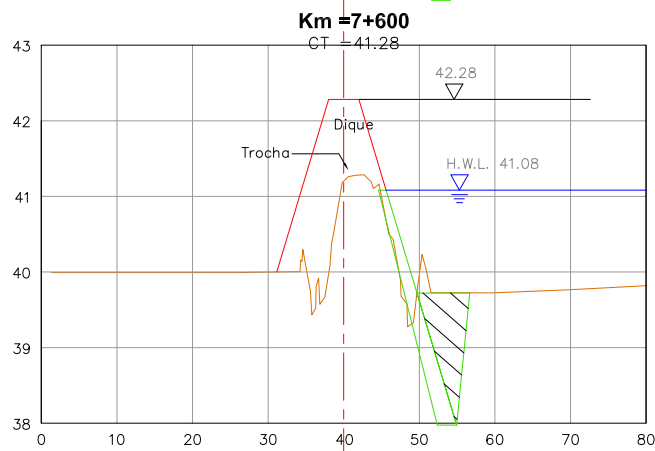
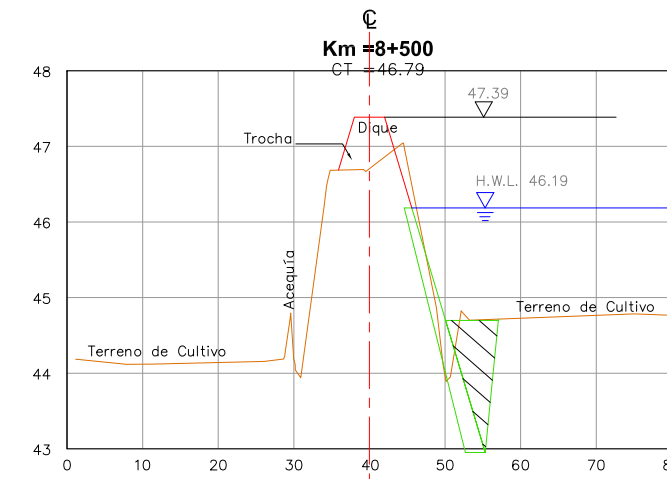
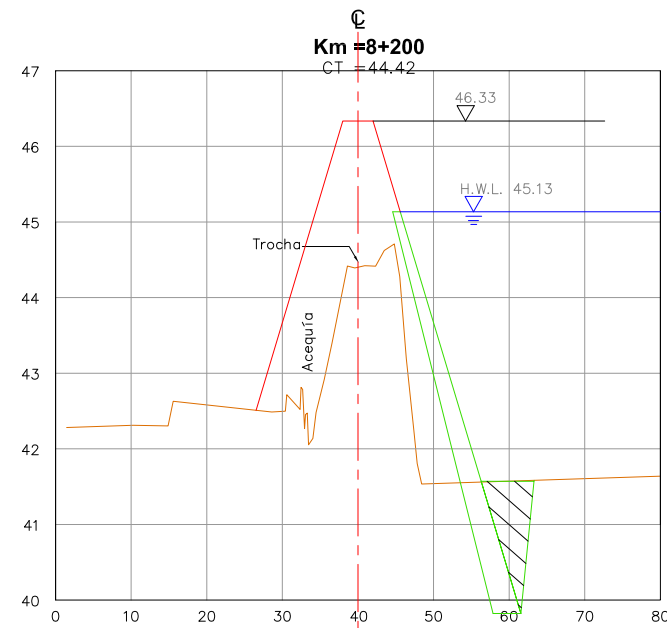
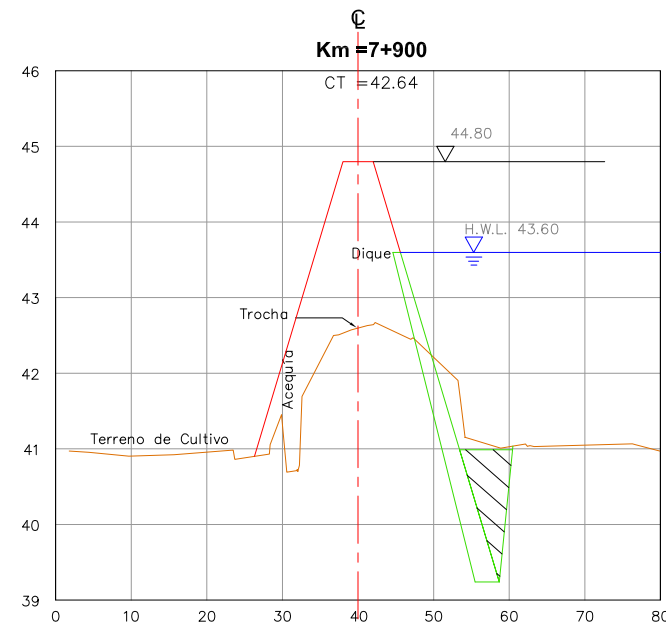
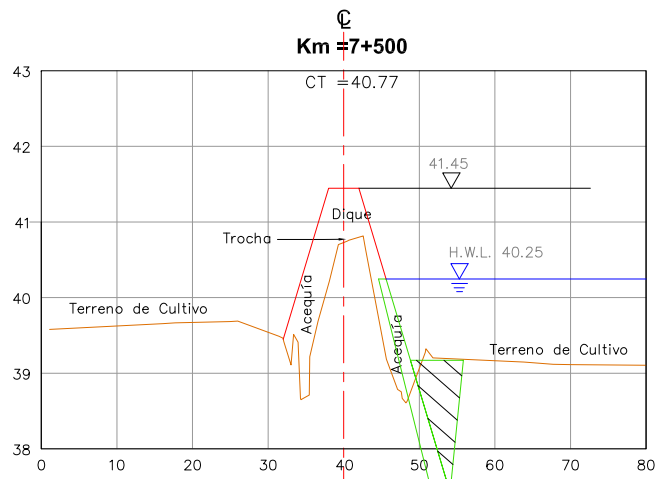
NOTA: La escala indicada, corresponde al formato A-1 Para el Formato A-3, se debe considerar el doble.



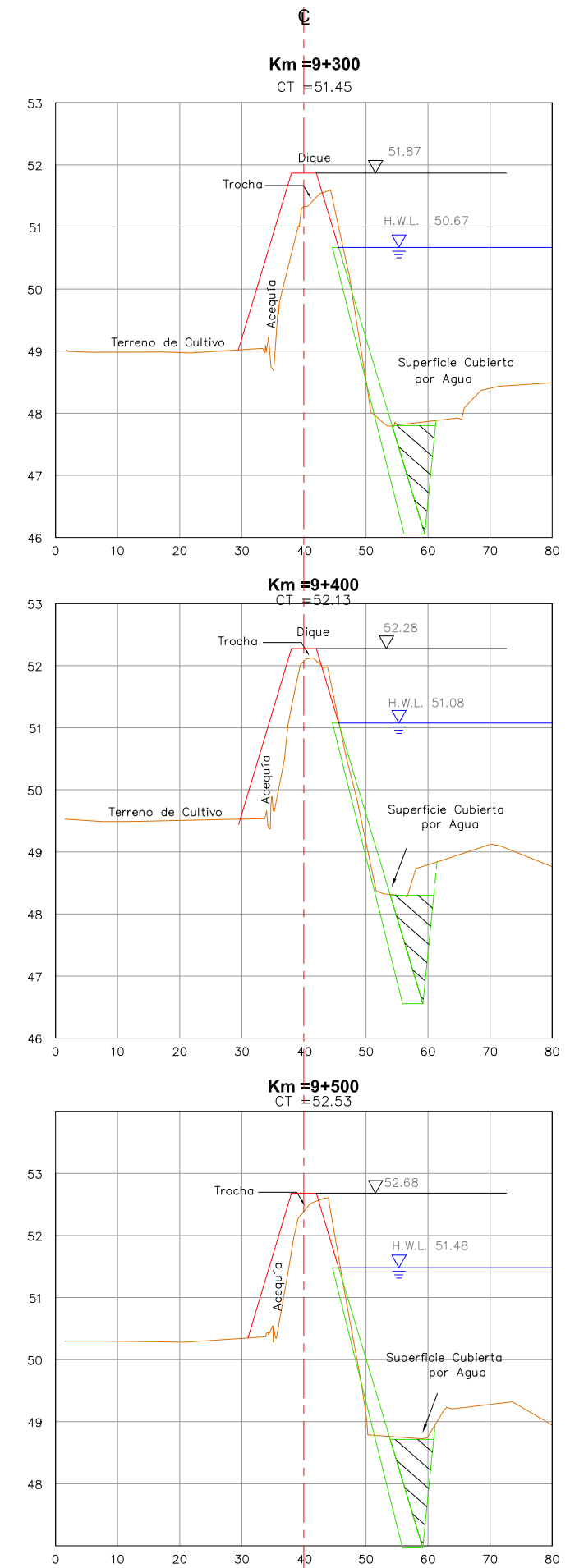
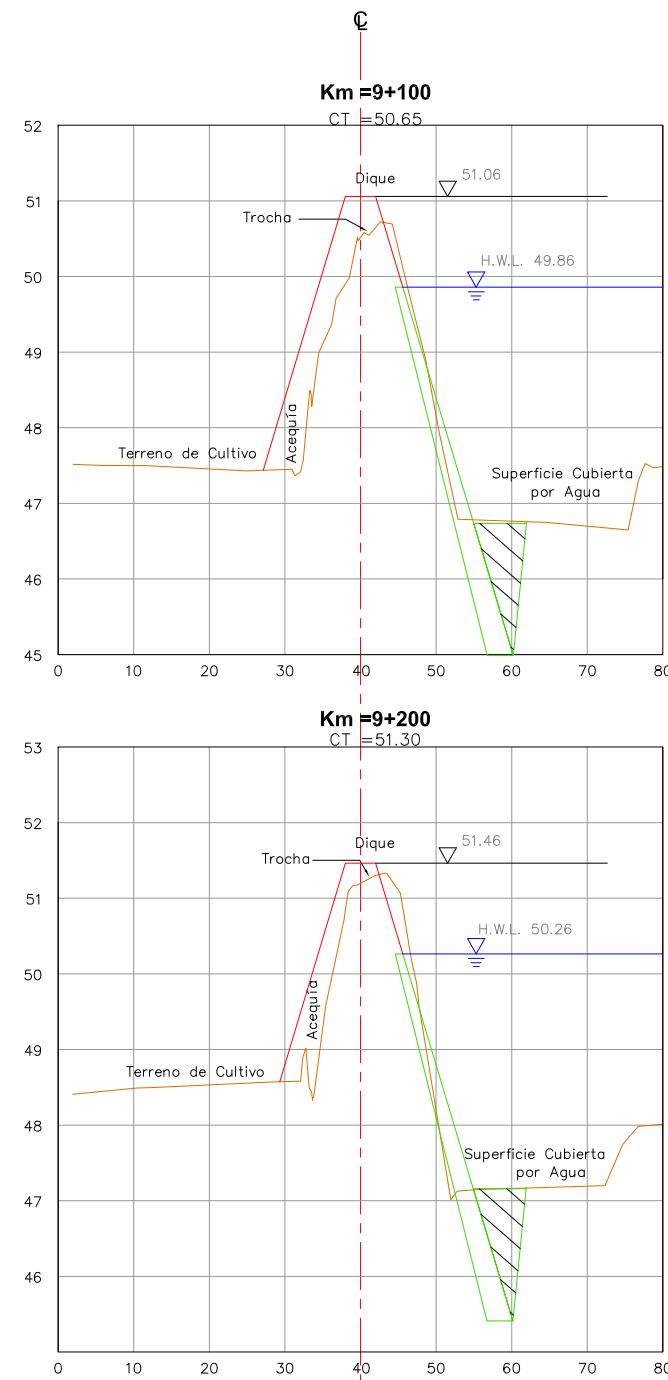
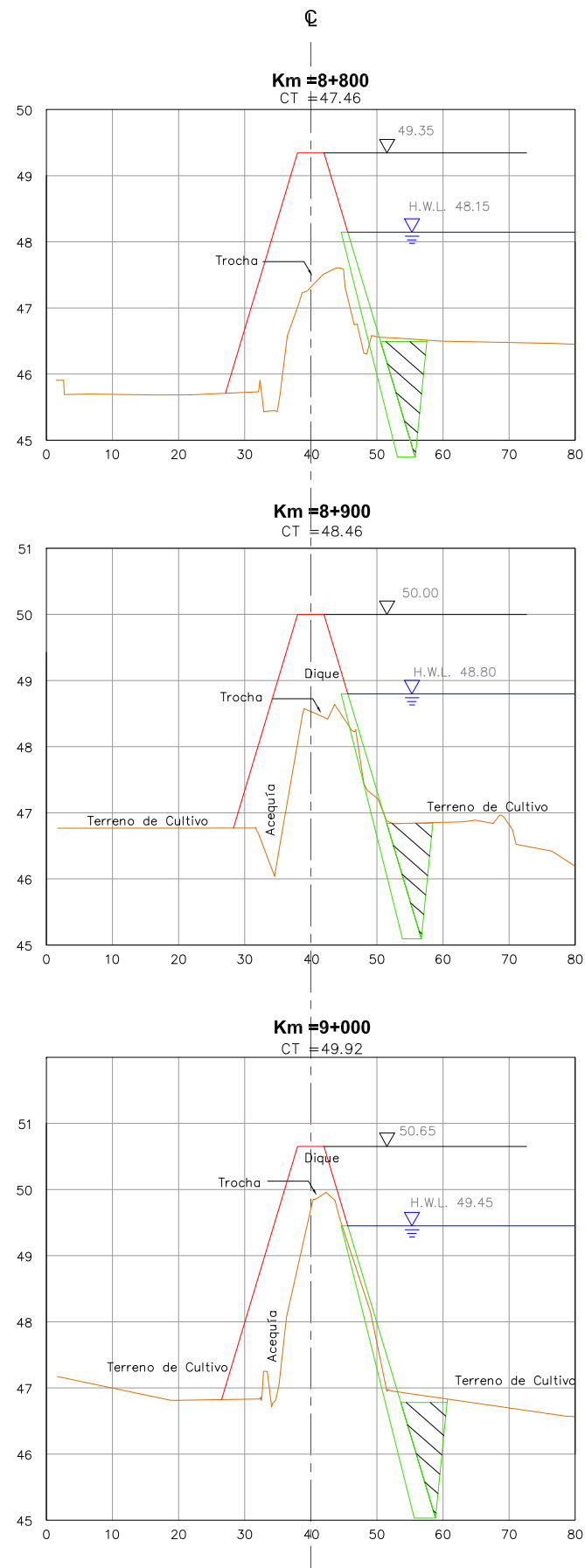
NOTA: La escala indicada, corresponde al formato A-1. Para el Formato A-3, se debe considerar el doble.



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

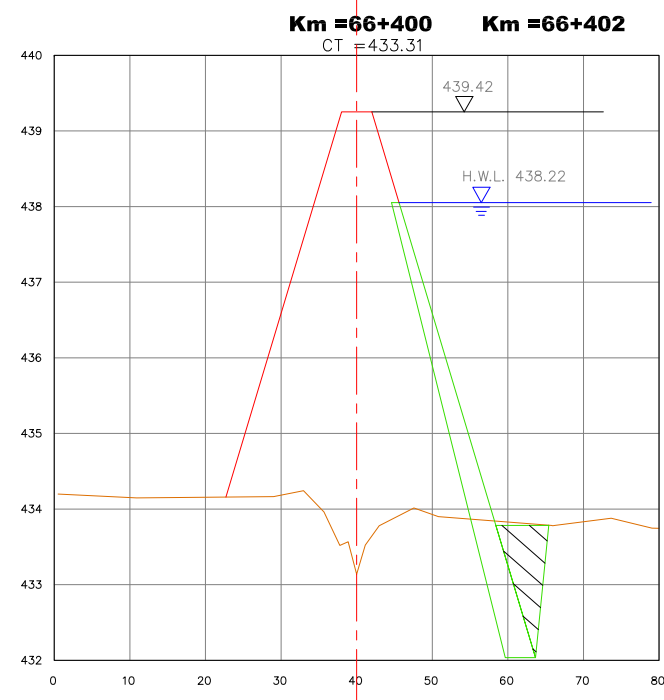
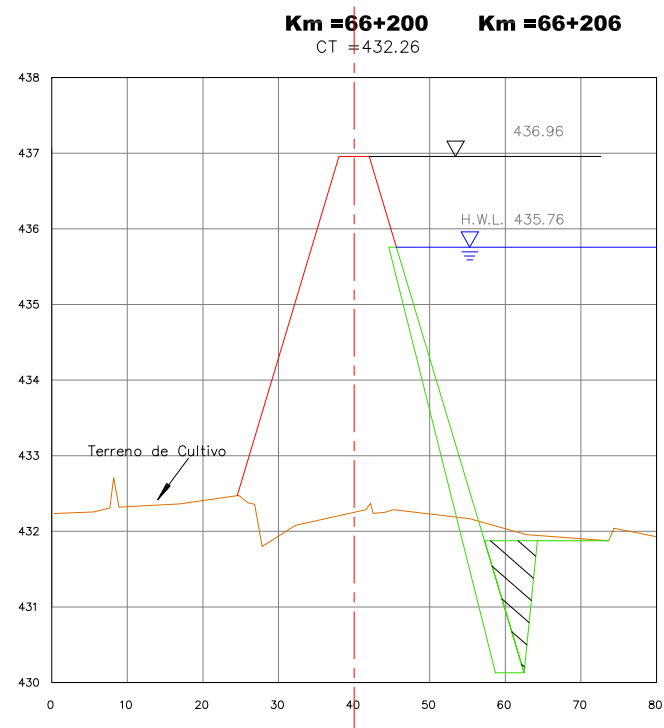
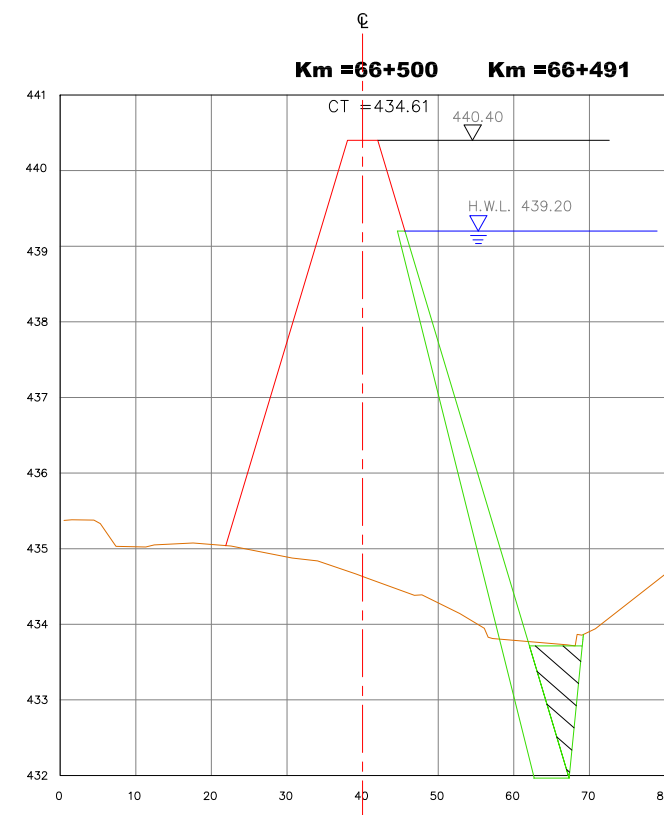
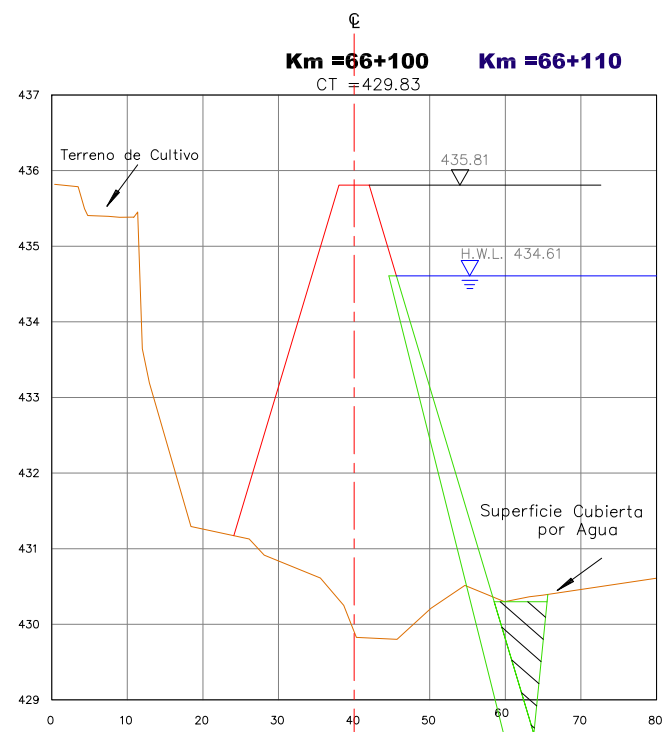
1:200 0 5 10 15

1:250 0 5 10 15 20

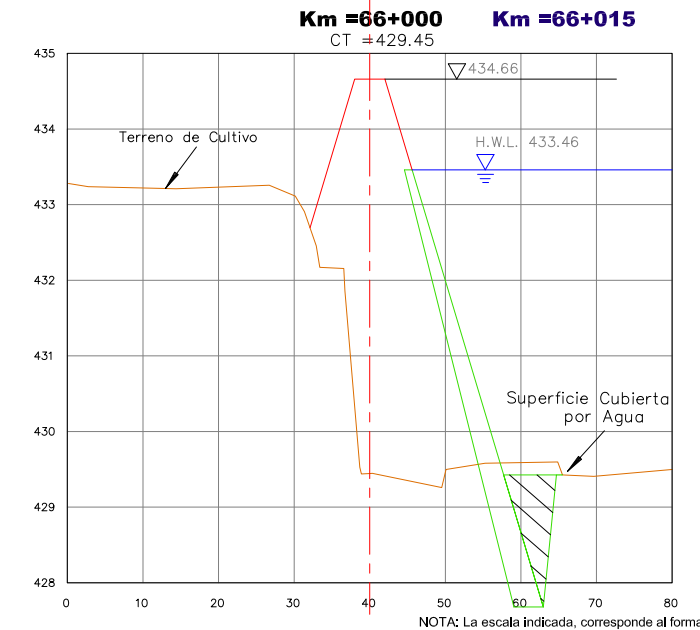
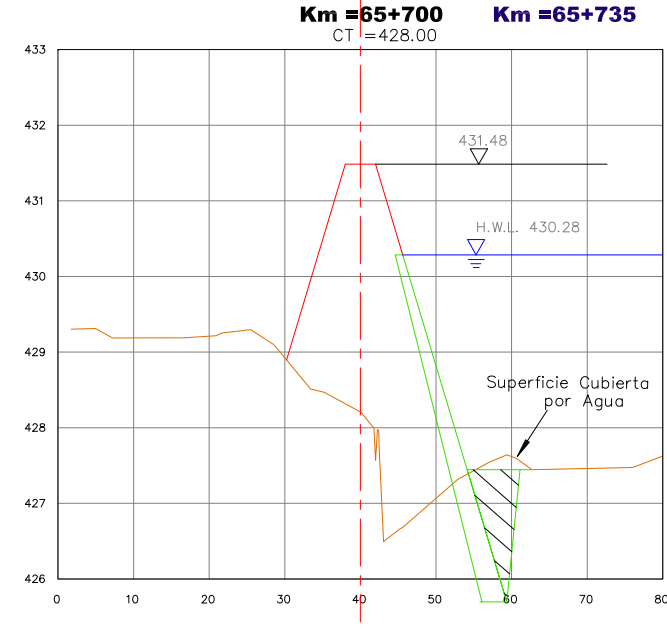
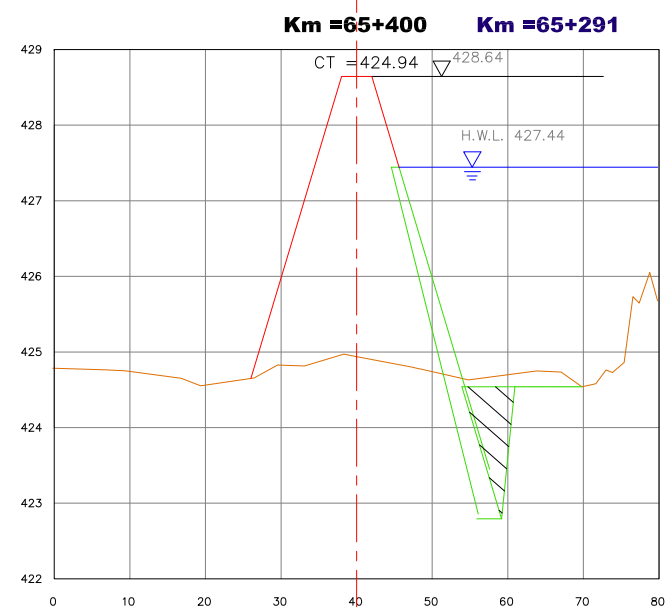
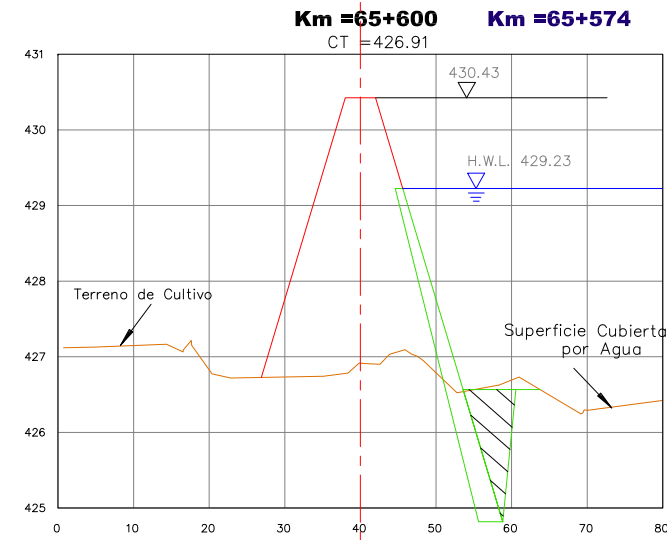
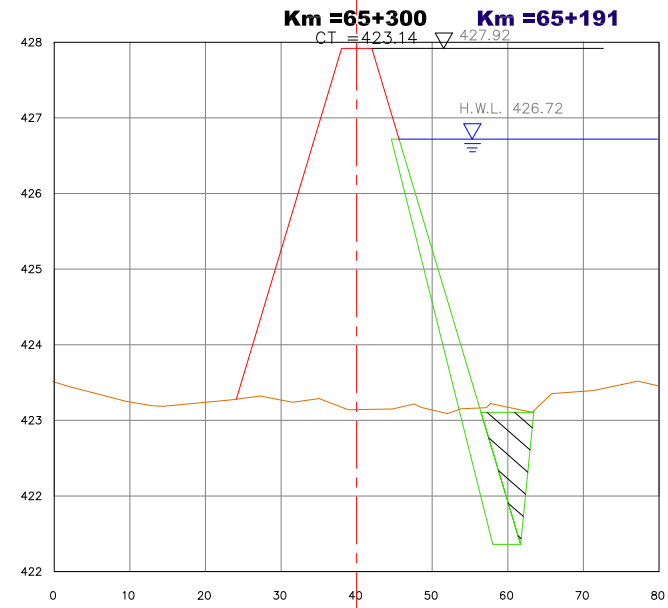
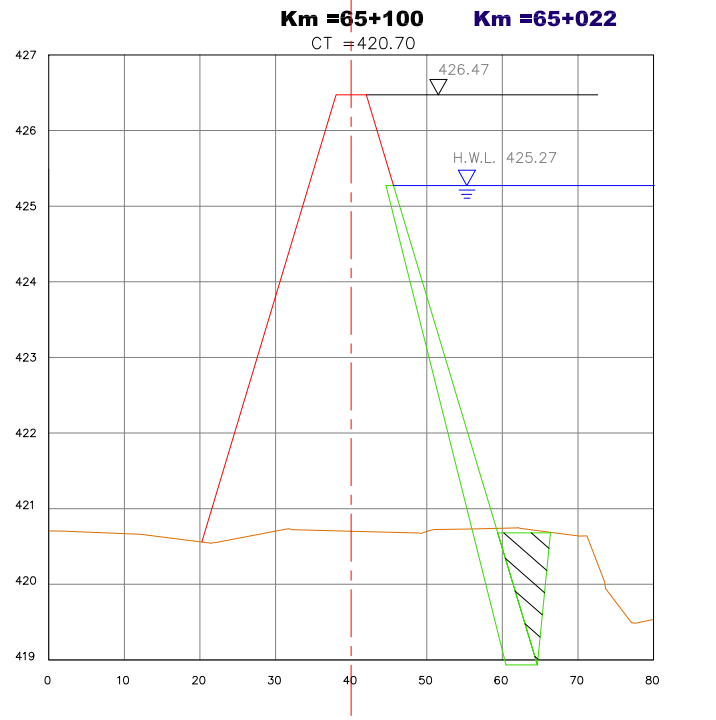
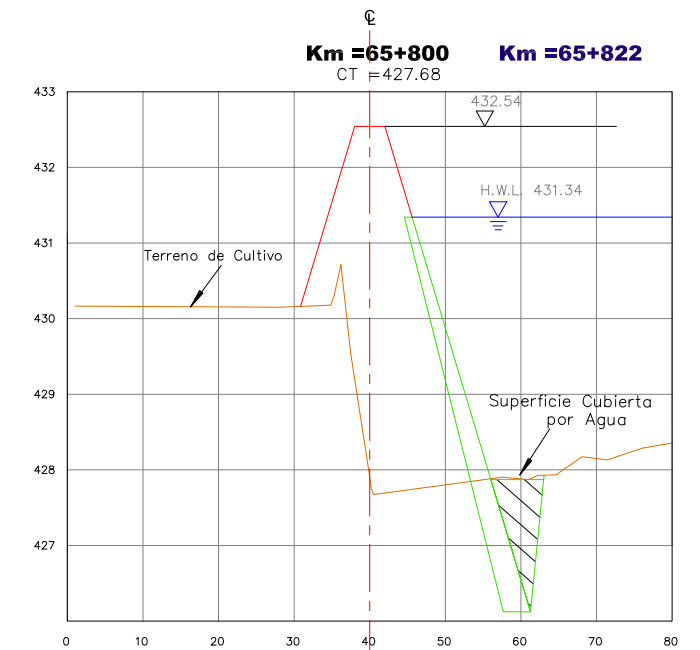
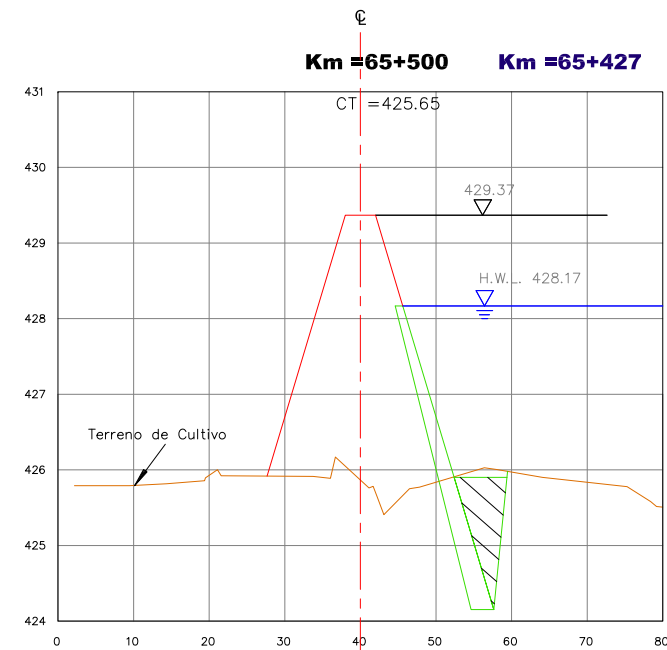
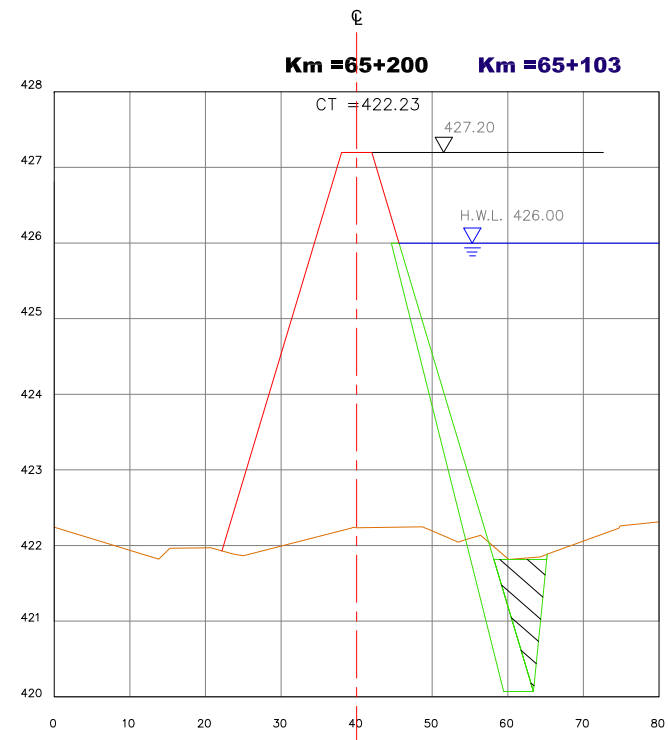
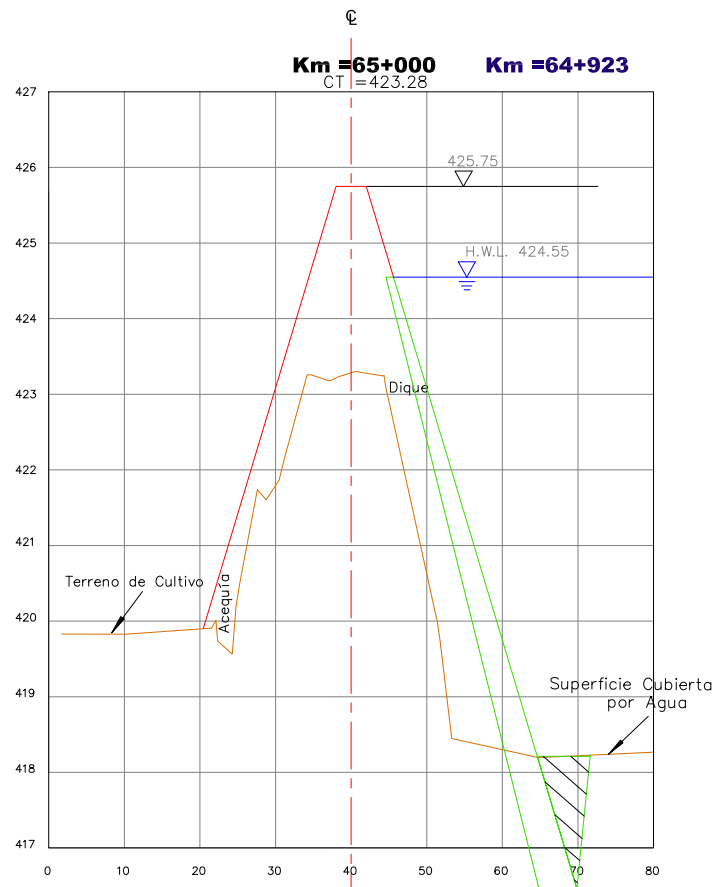
1:333.3 0 5 10 15 20 25 30

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.



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

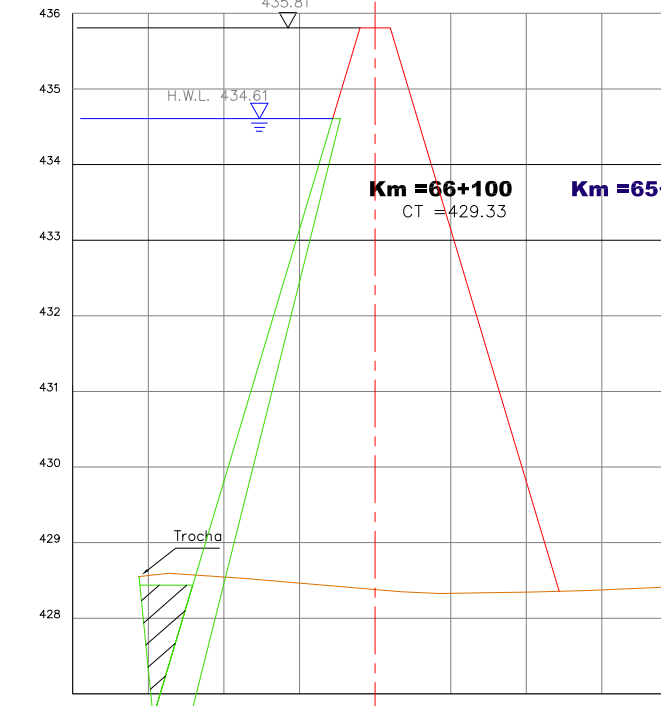
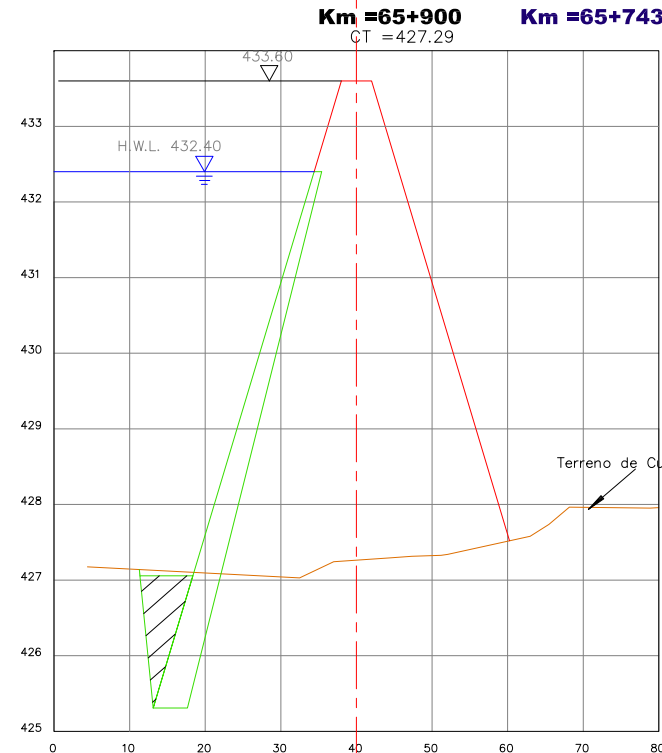
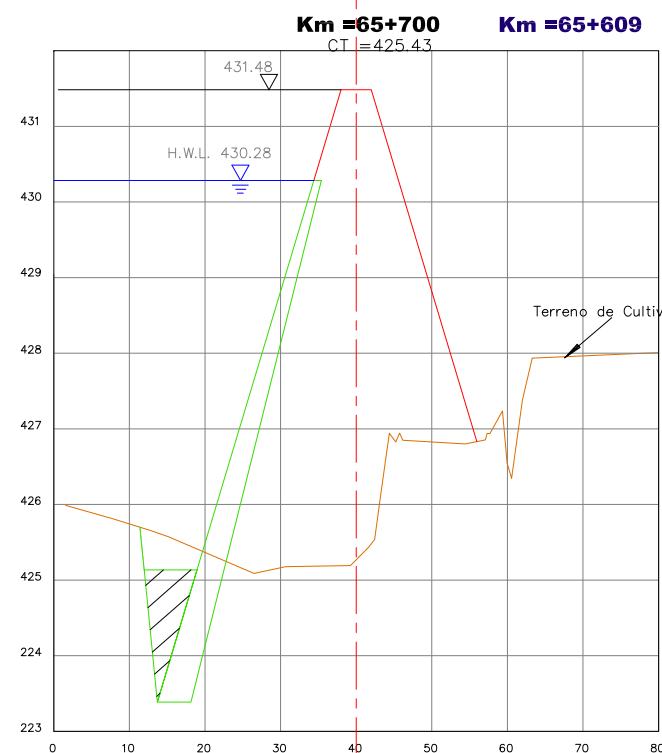
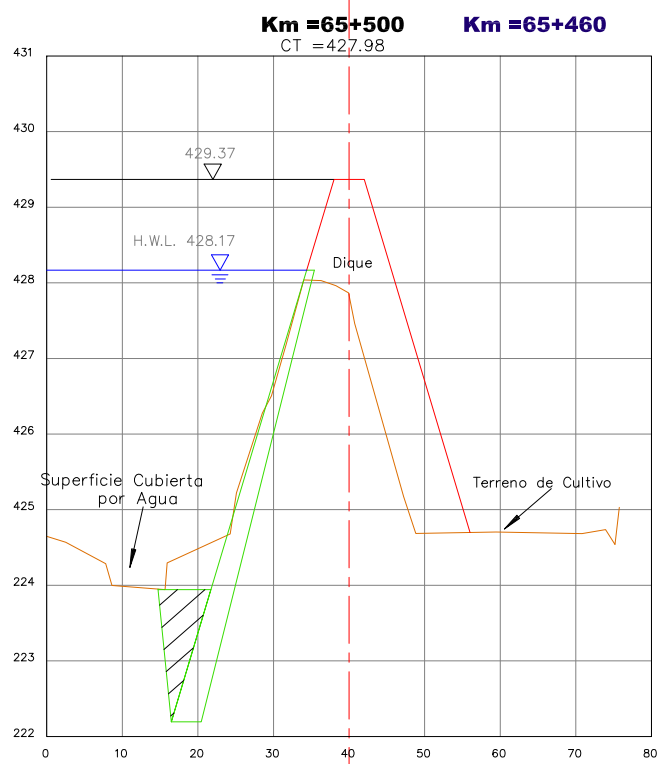
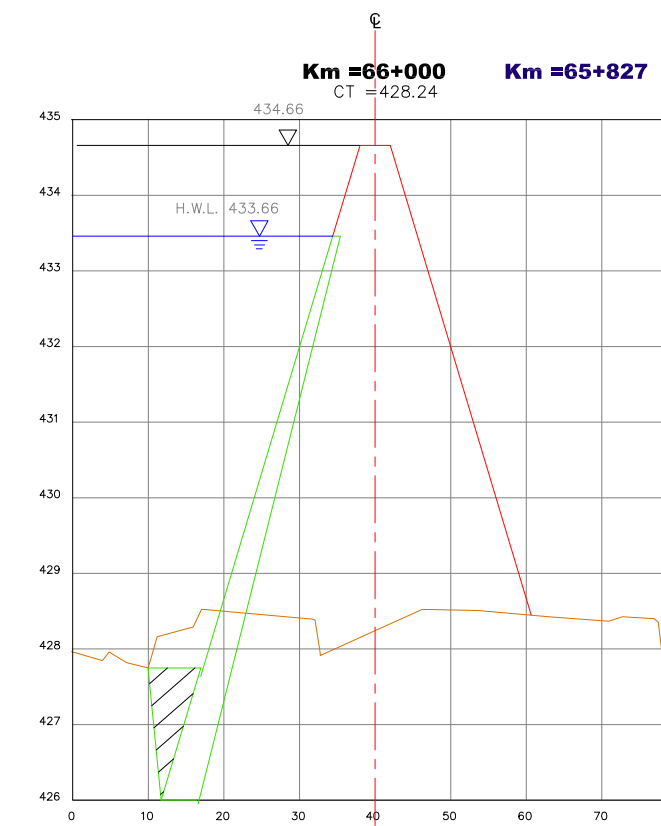
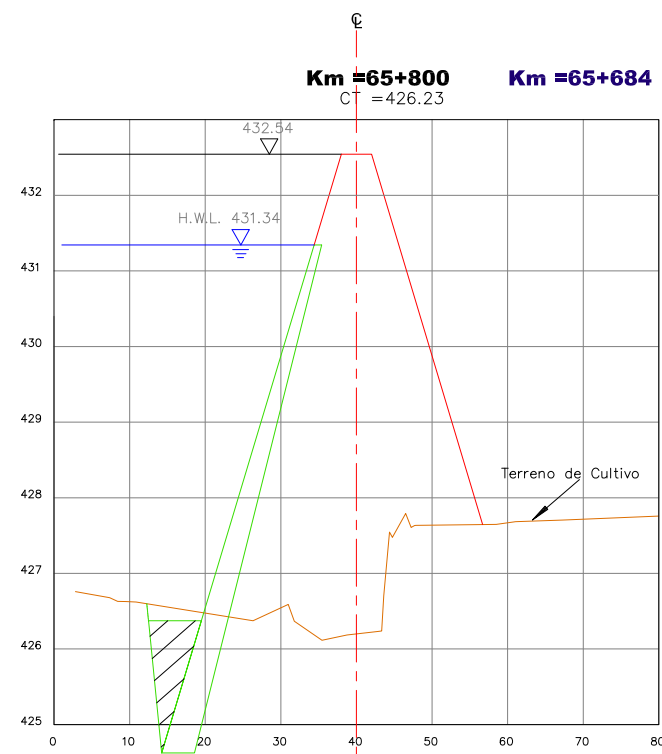
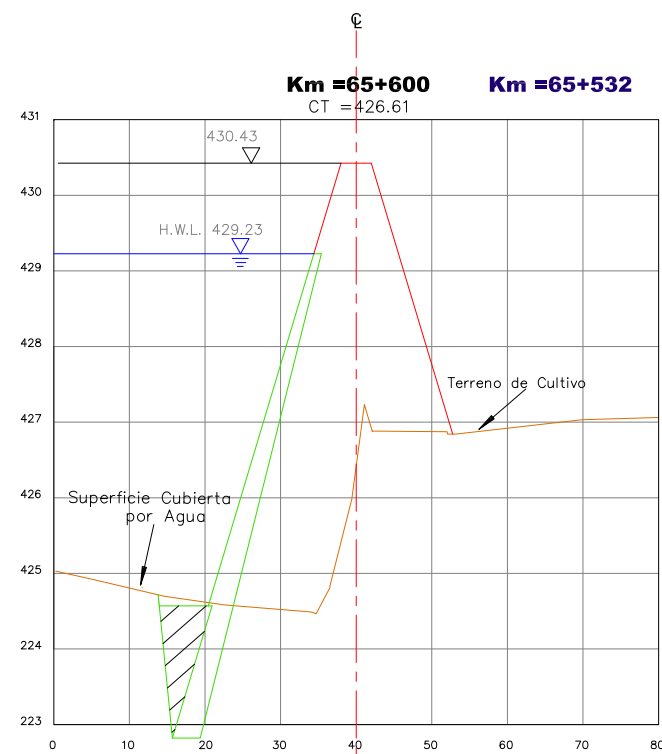
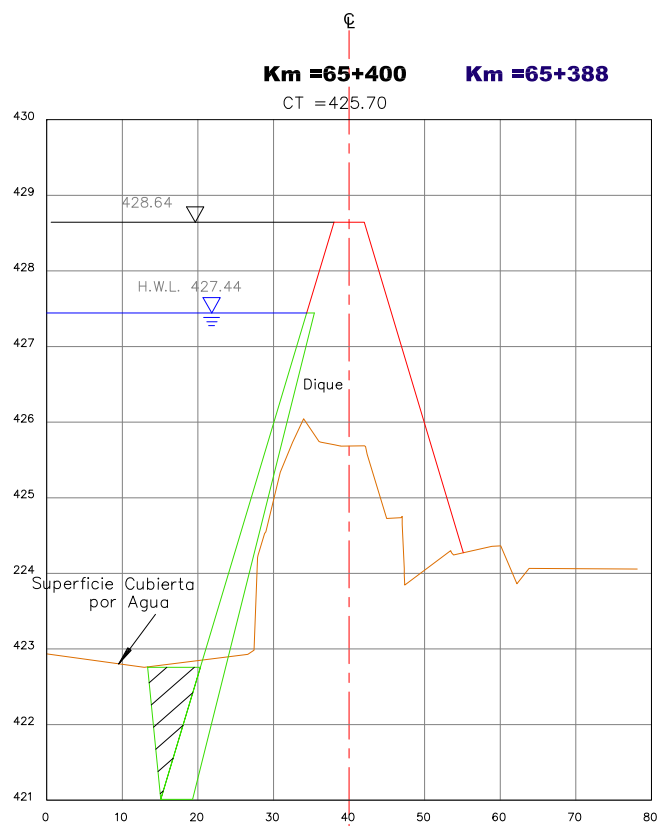
1:200 0 5 10 15

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

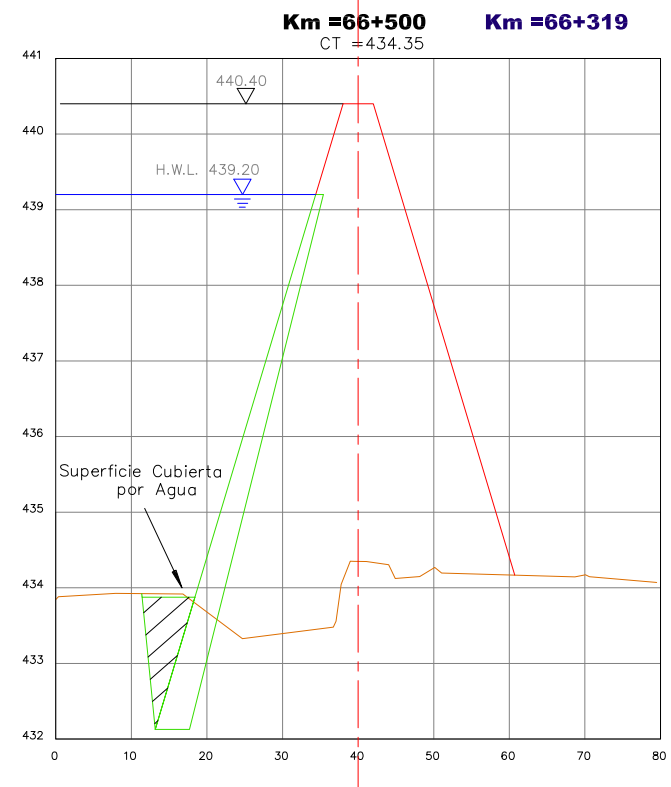
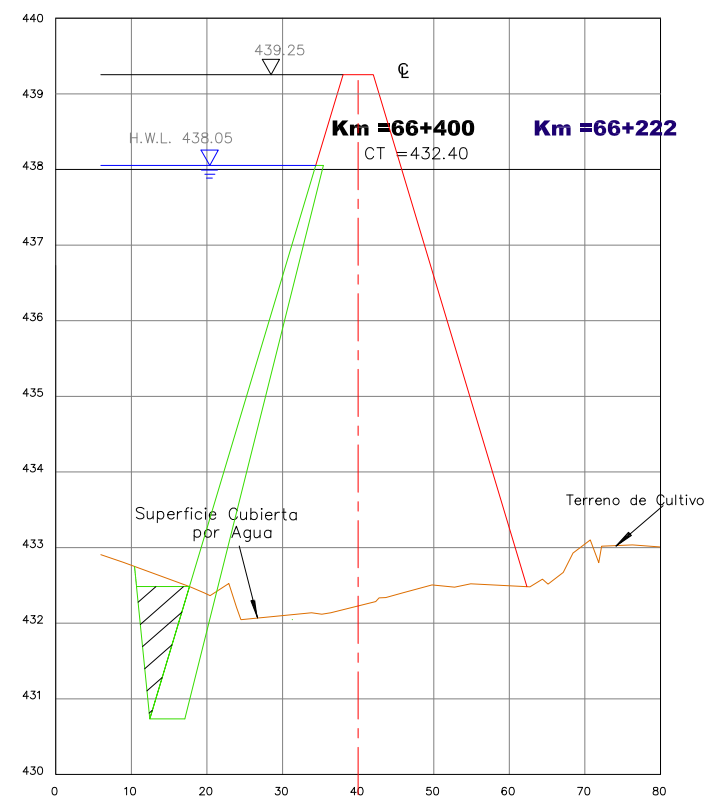
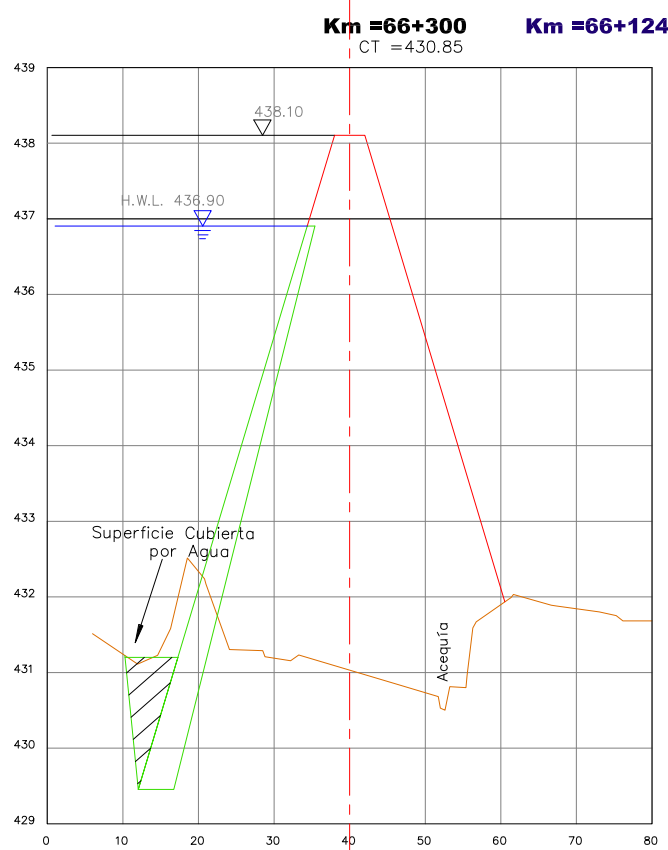
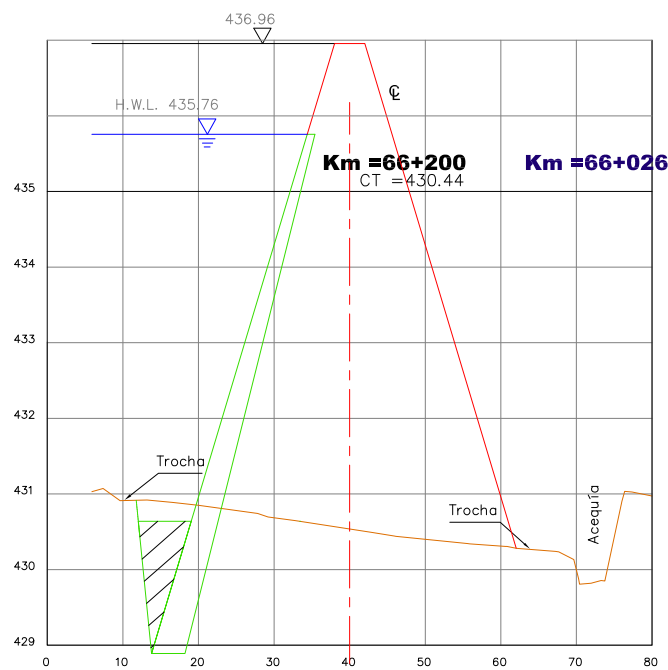
1:200 0 5 10 15

1:250 0 5 10 15 20

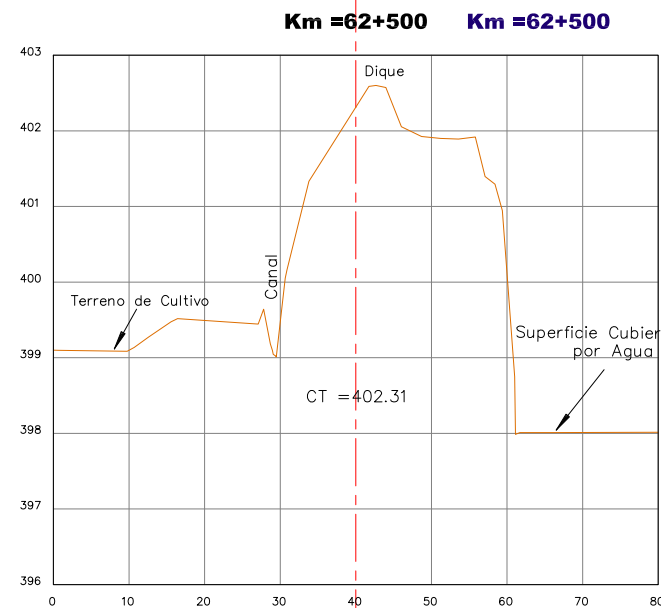
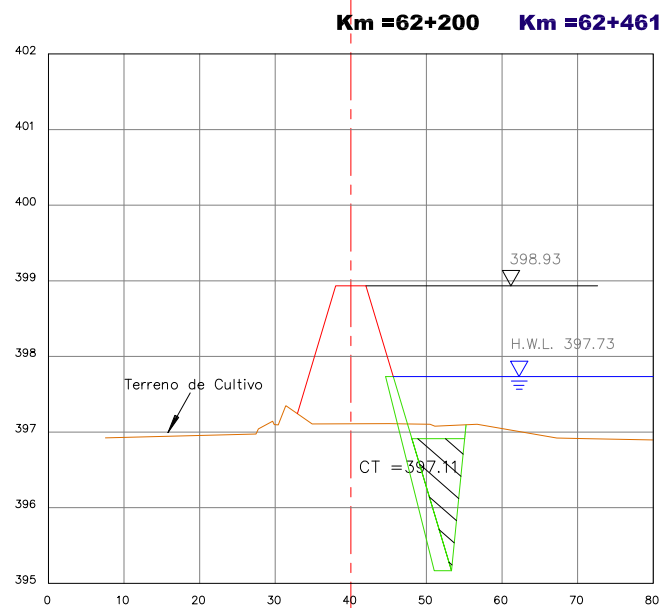
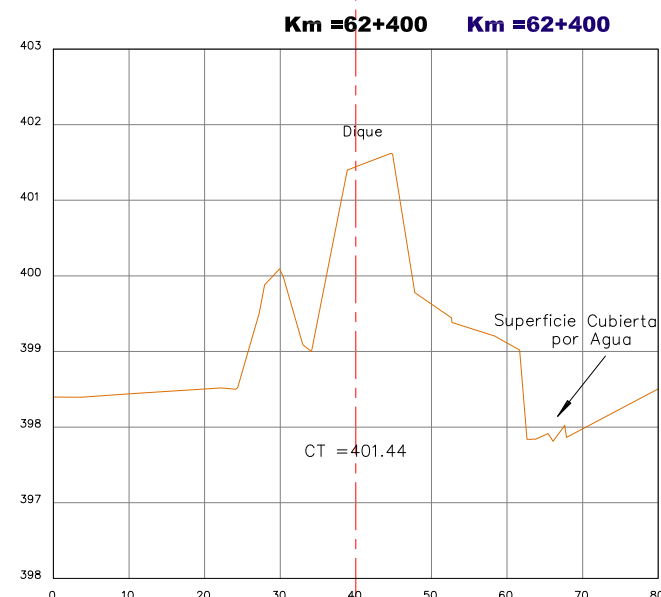
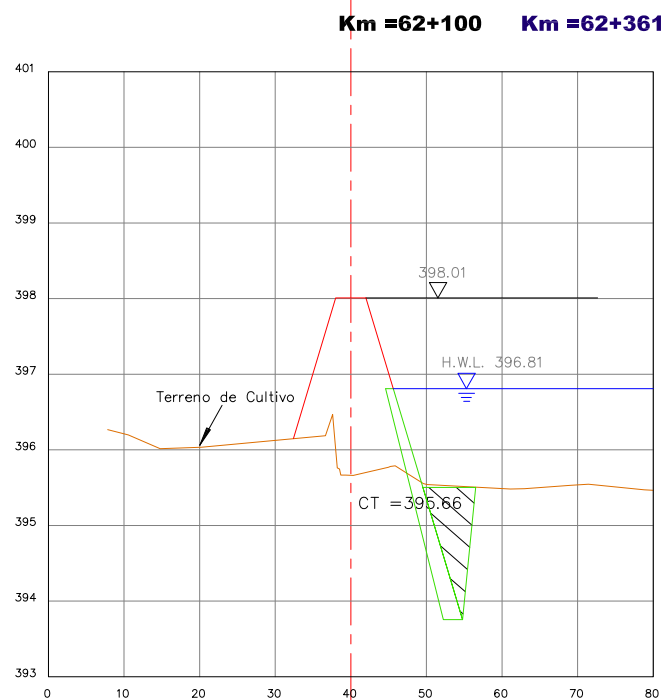
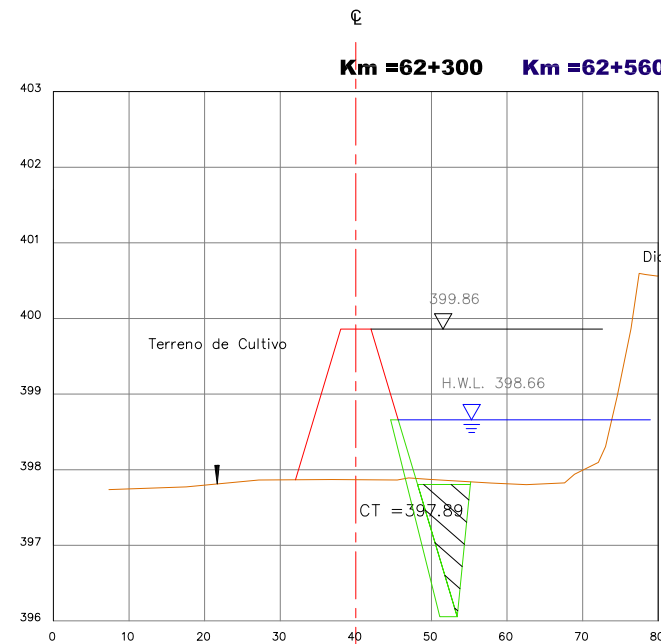
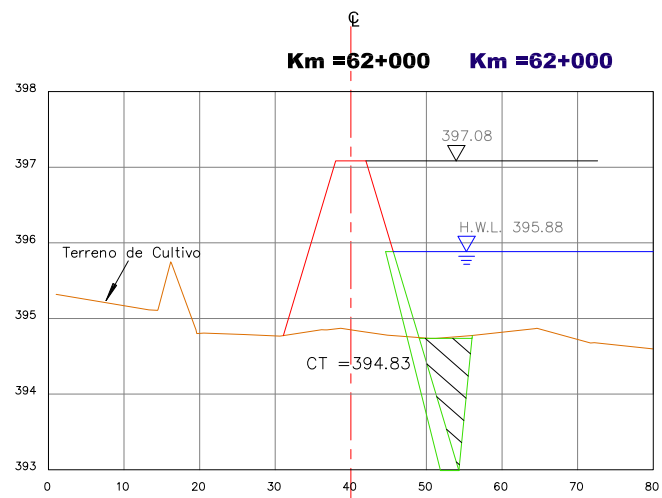
1:333.3 0 5 10 15 20 25 30

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

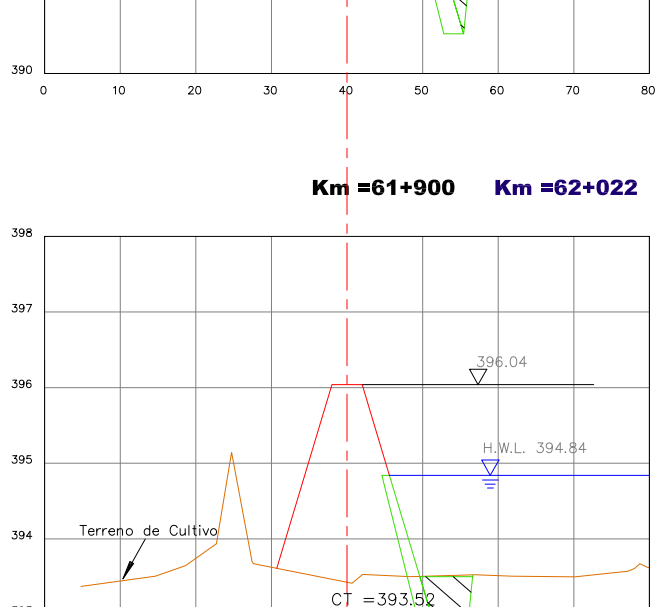
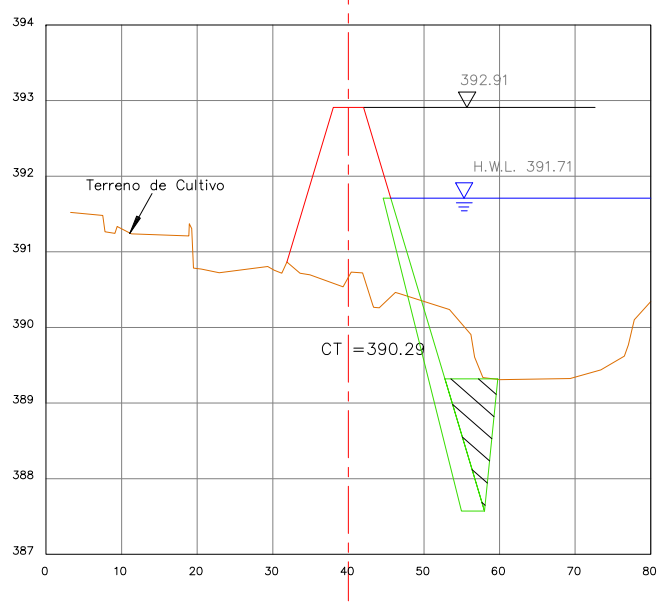
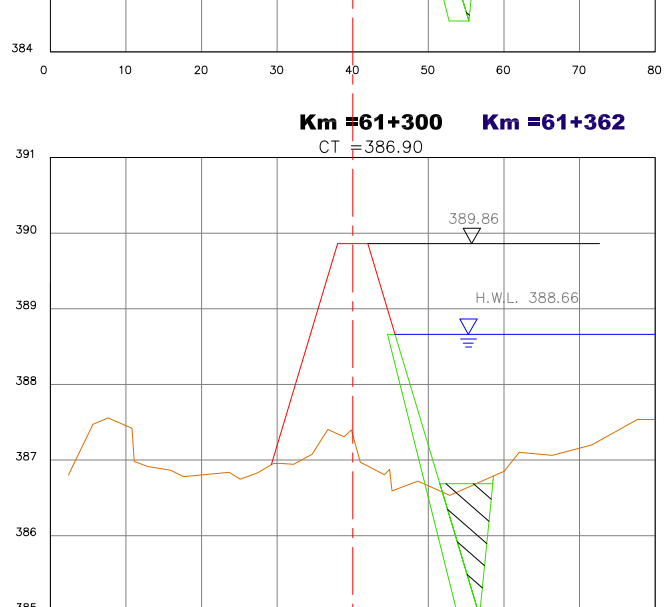
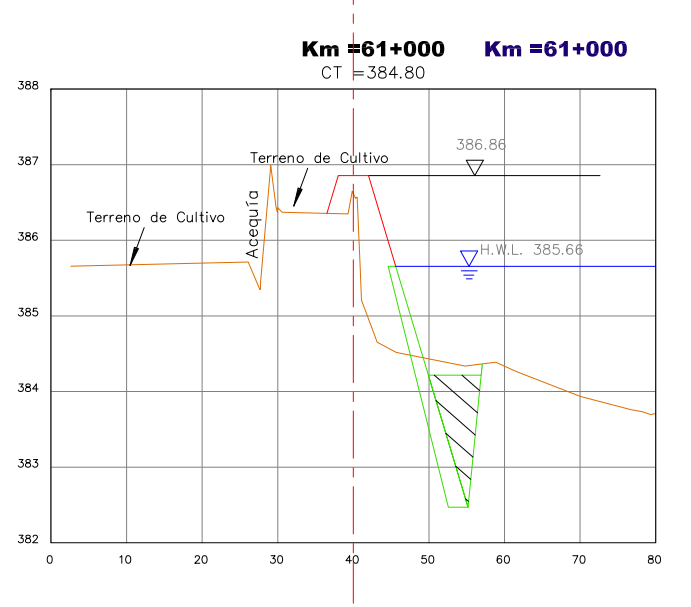
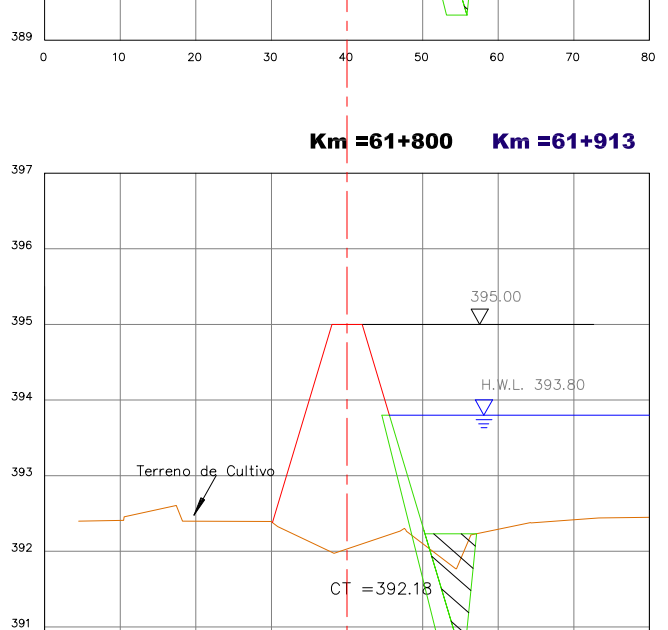
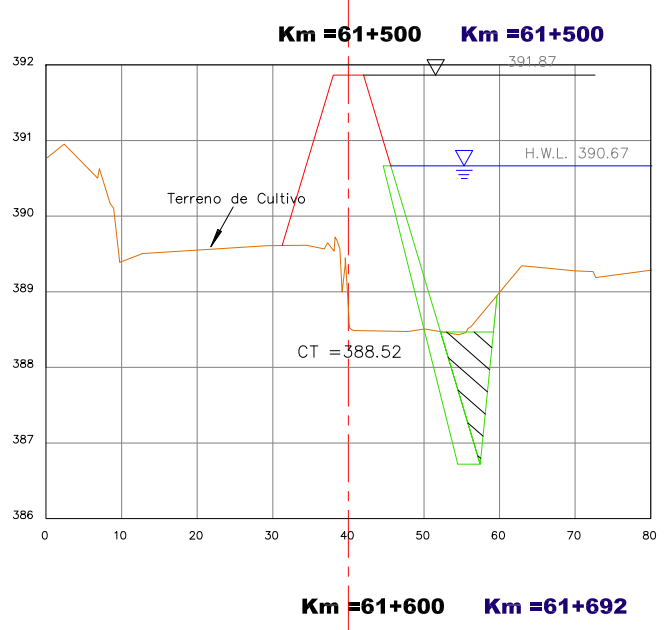
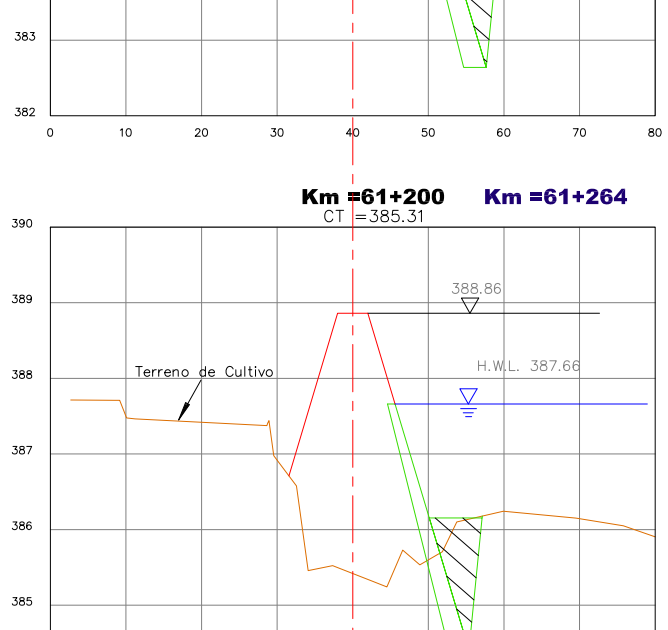
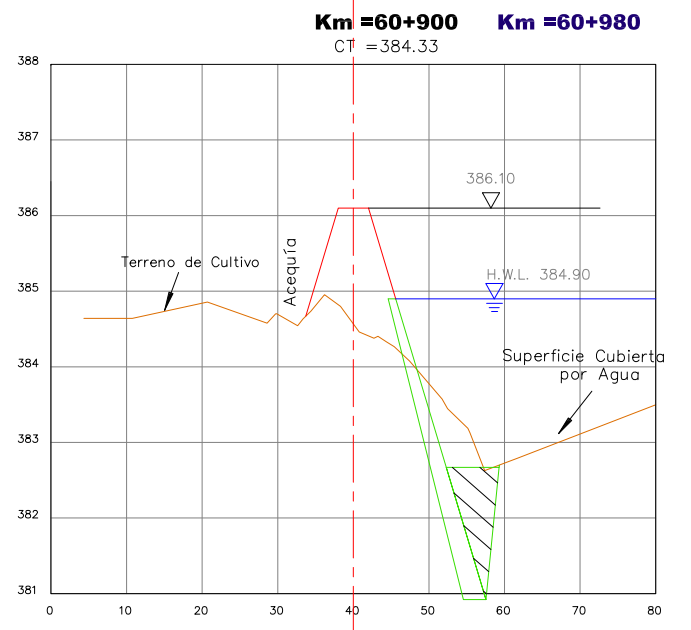
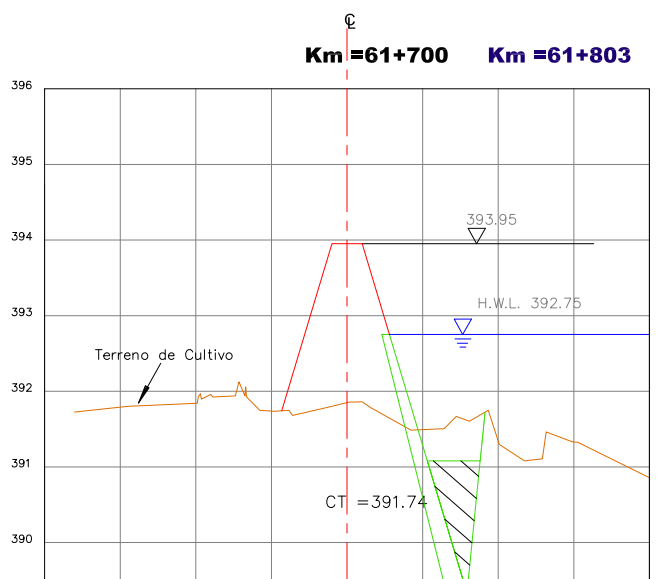
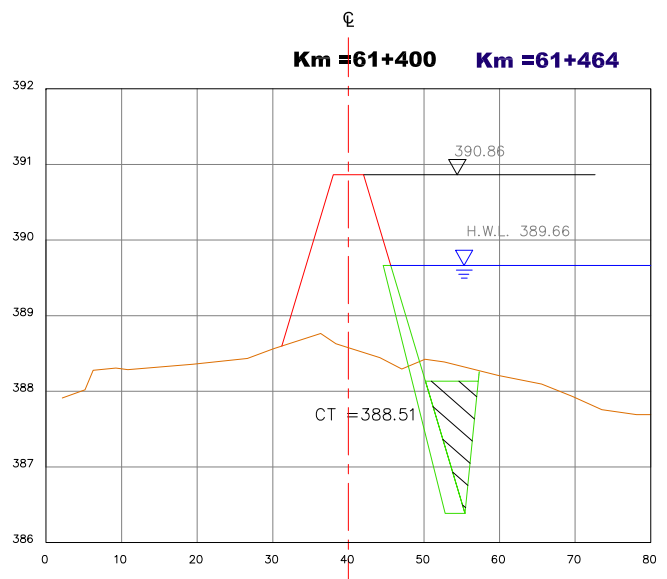
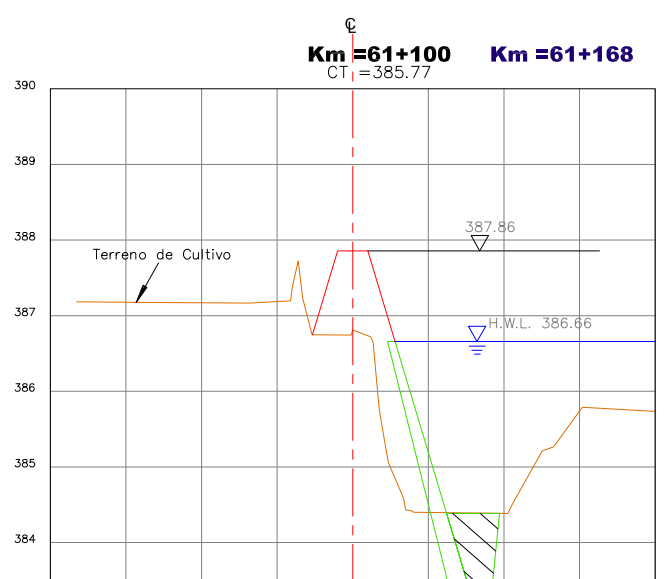
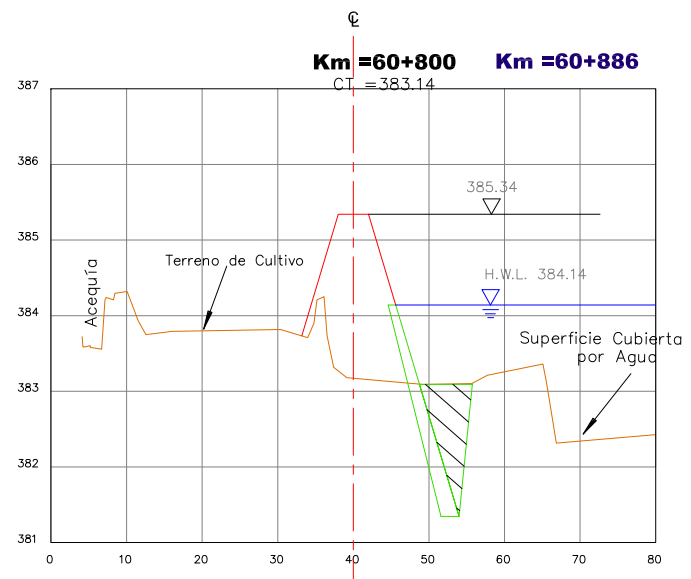
1:750 0 10 20 30 40 50 60



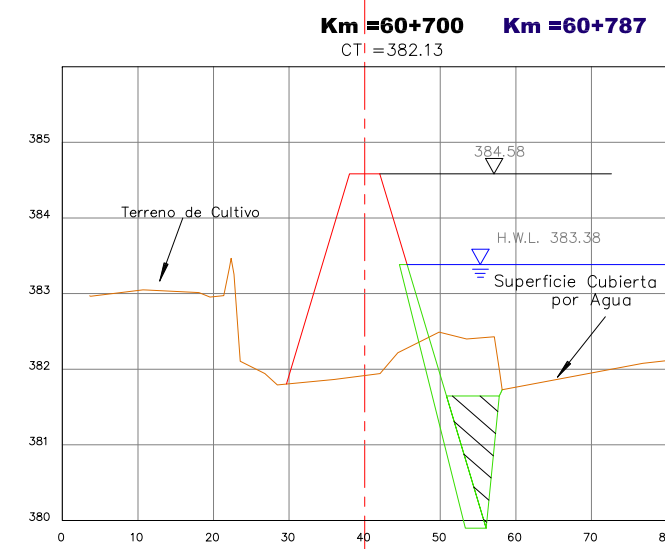
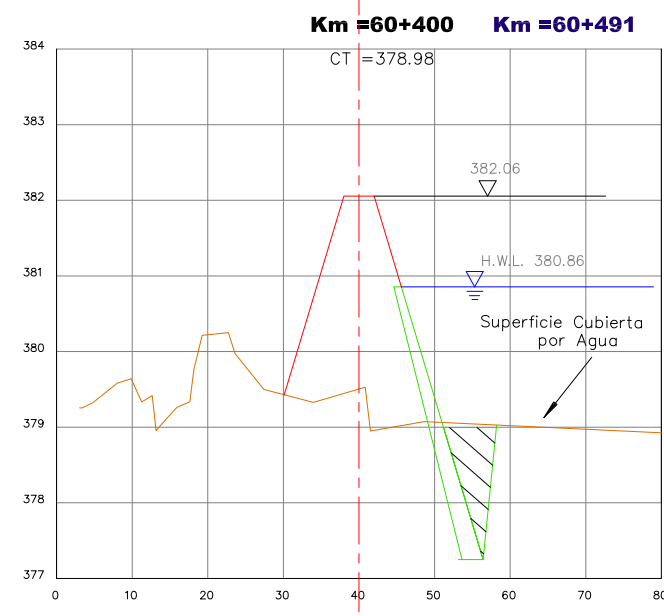
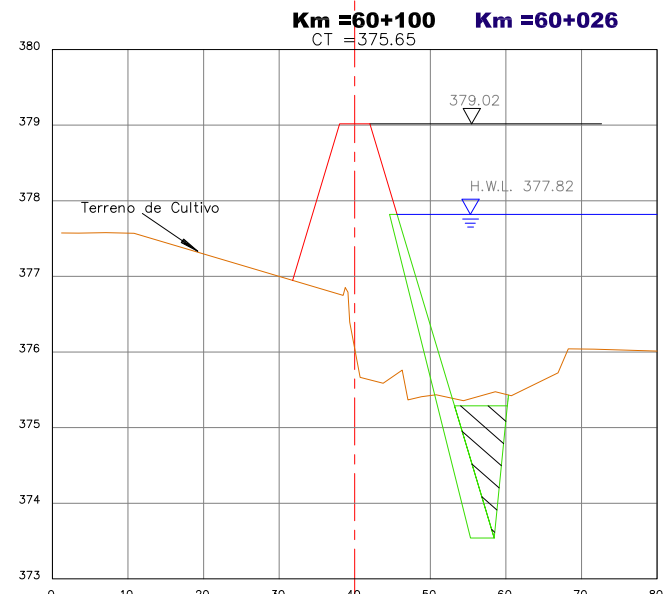
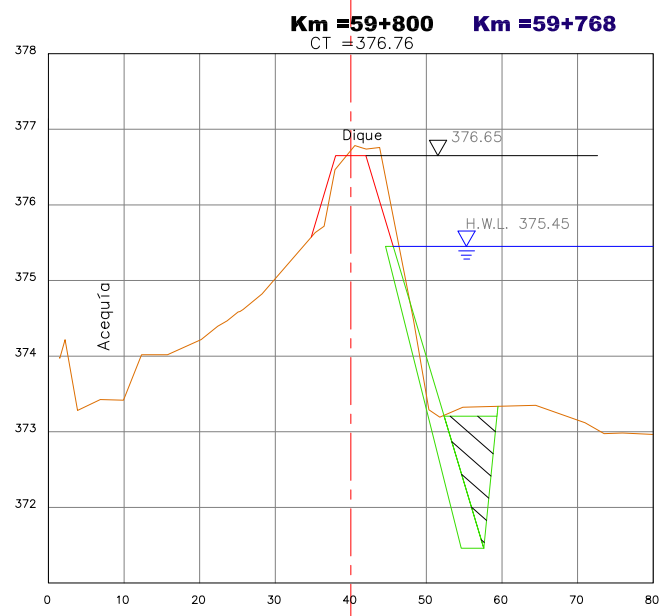
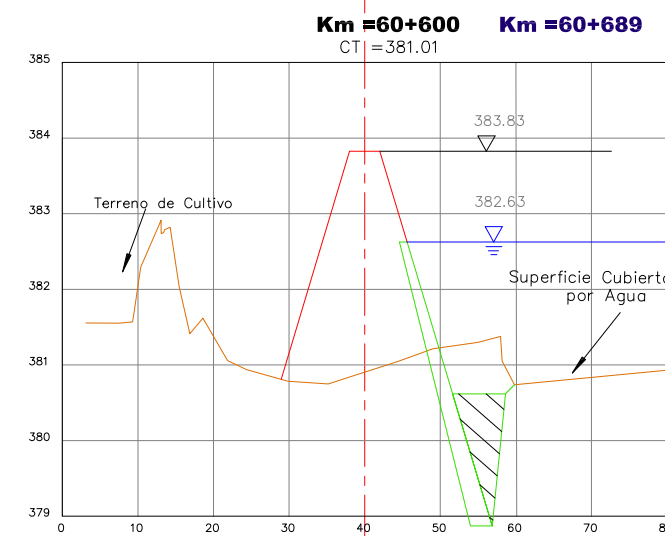
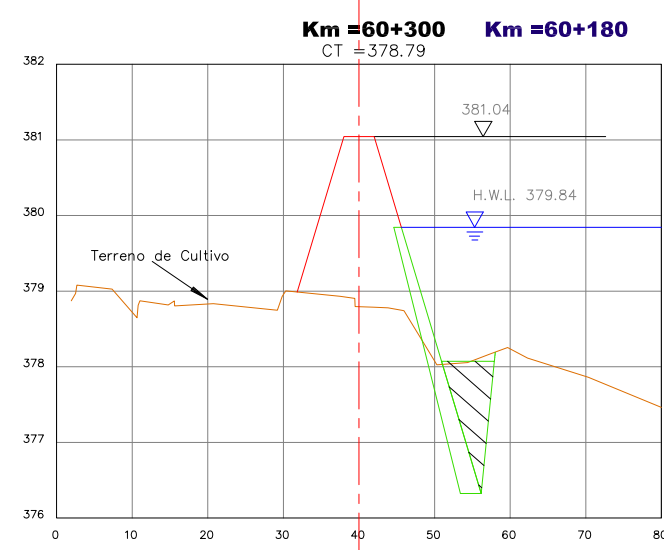
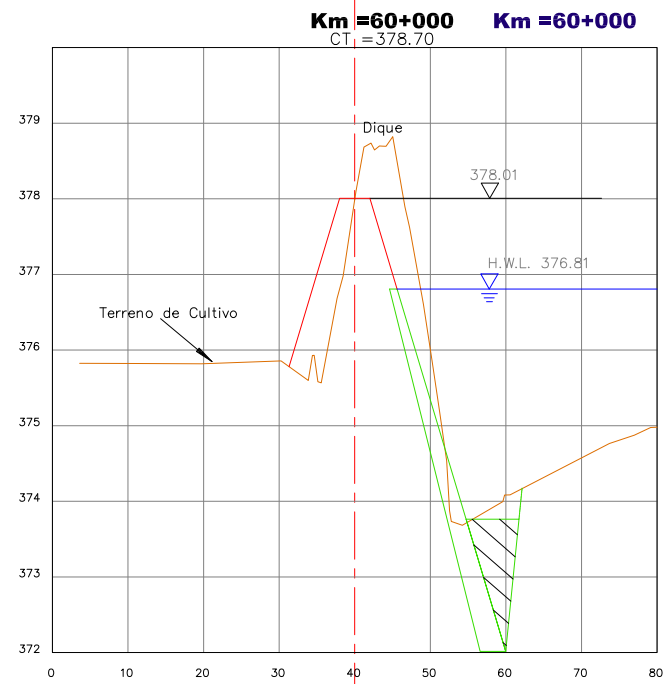
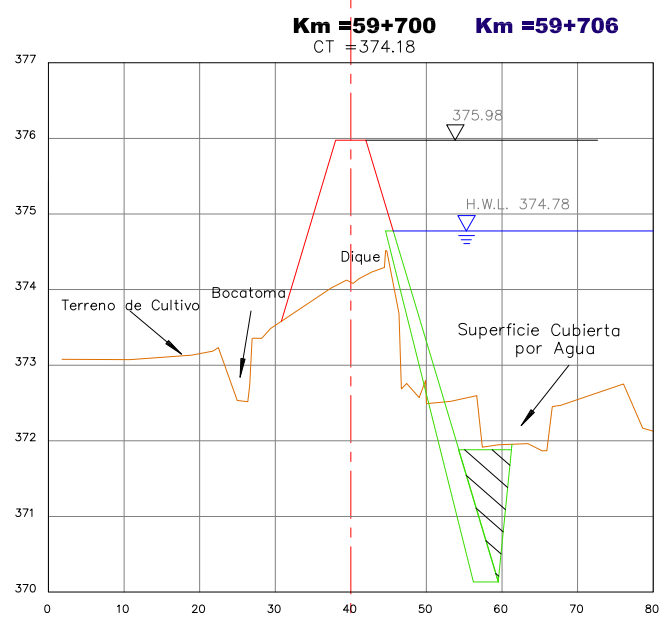
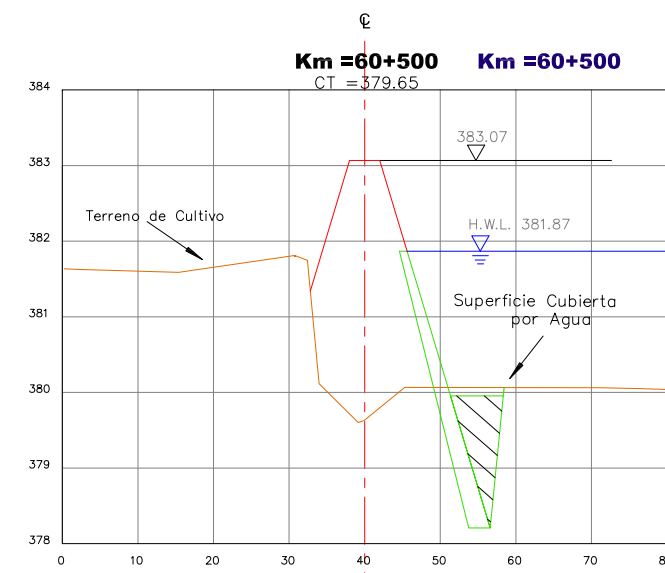
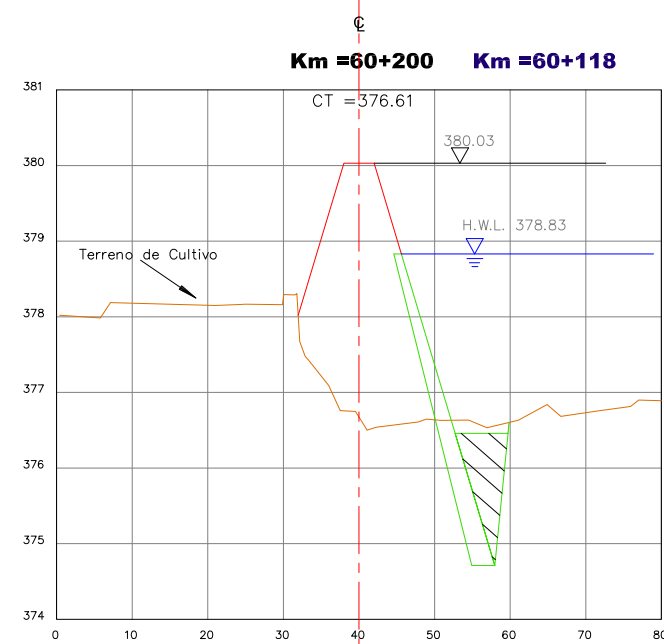
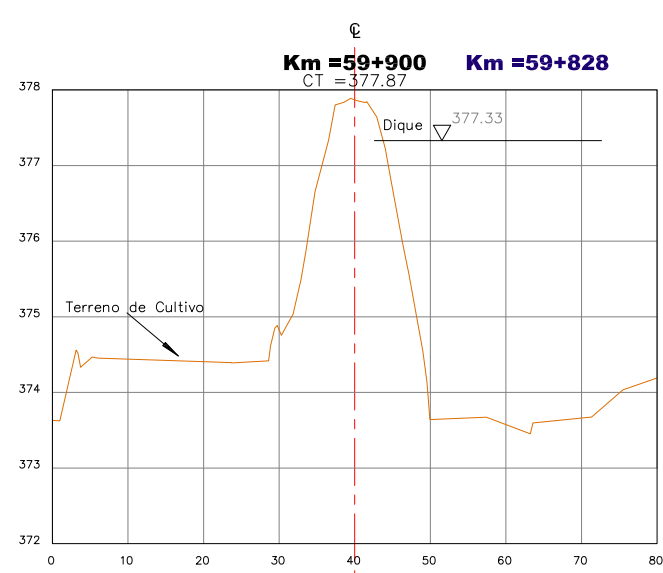
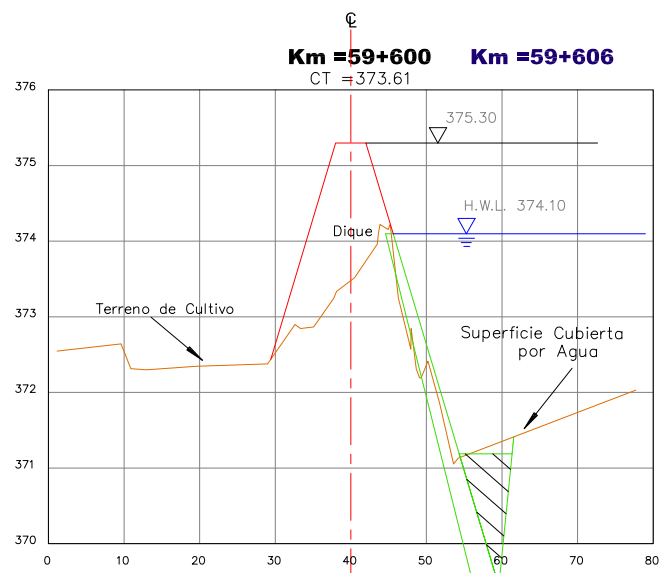
NOTA: La escala indicada, corresponde al formato A-1
Para el Formato A-3, se debe considerar el doble.



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

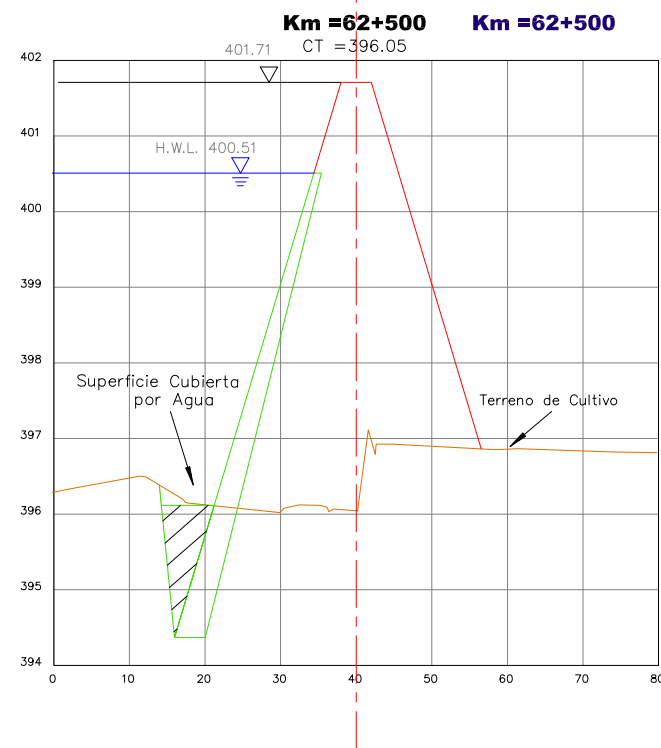
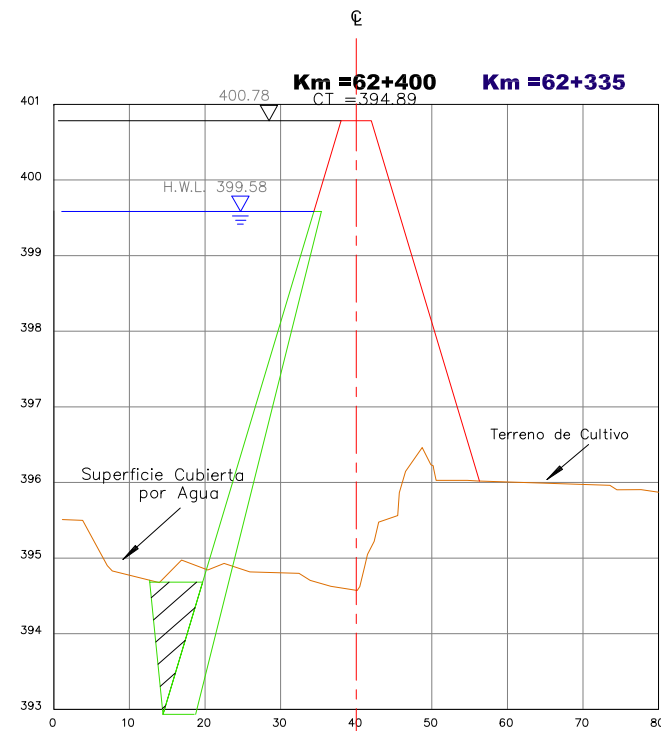
1:200 0 5 10 15

1:250 0 5 10 15 20

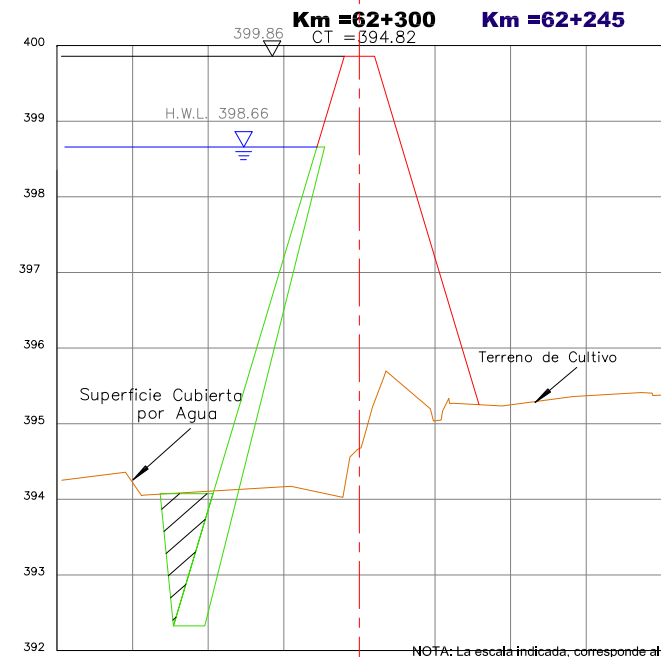
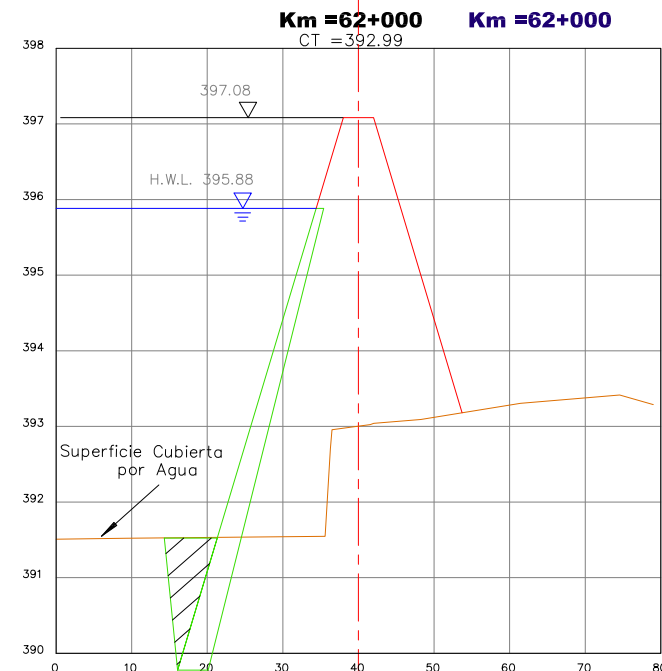
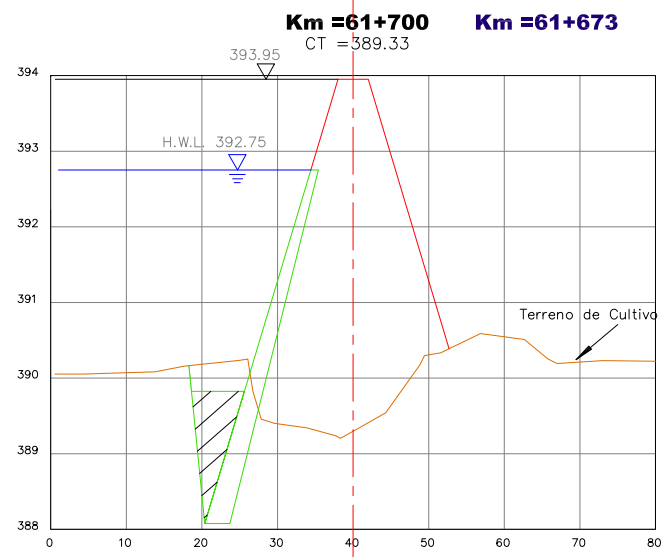
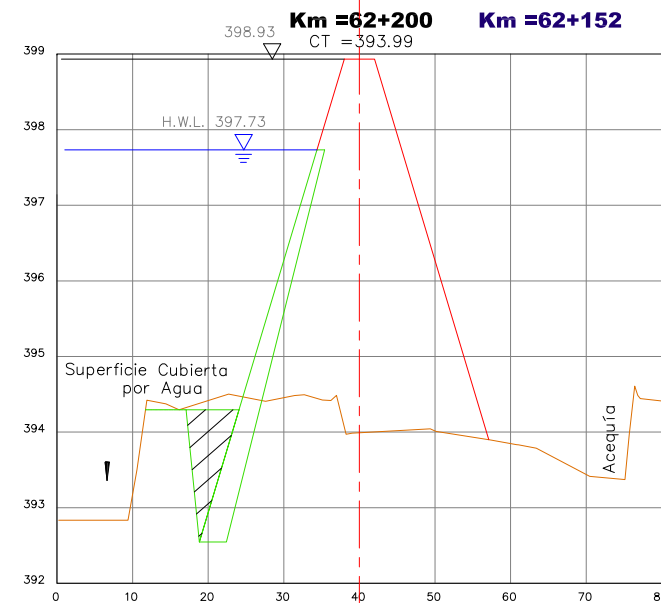
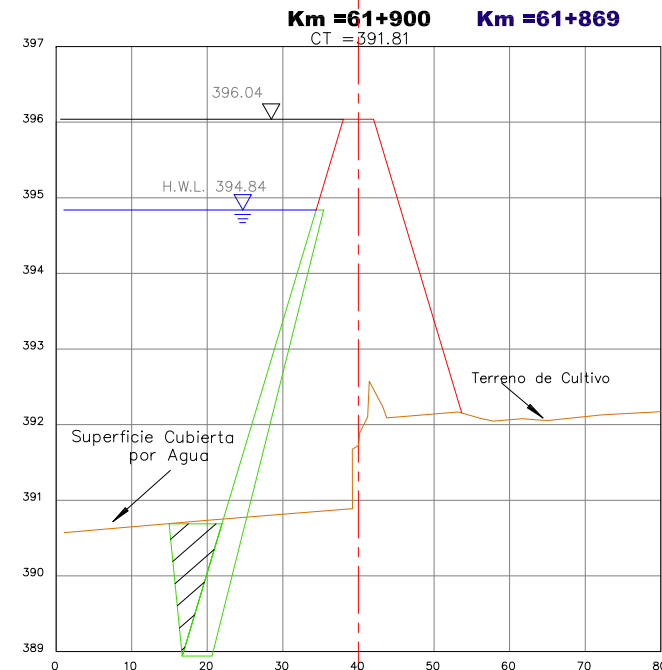
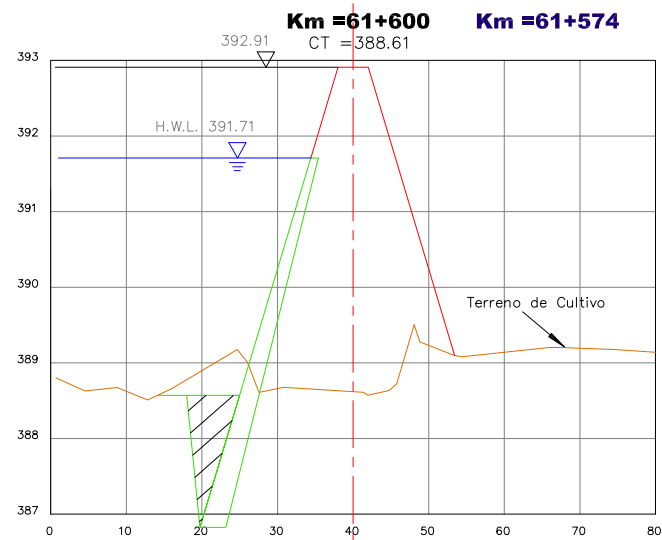
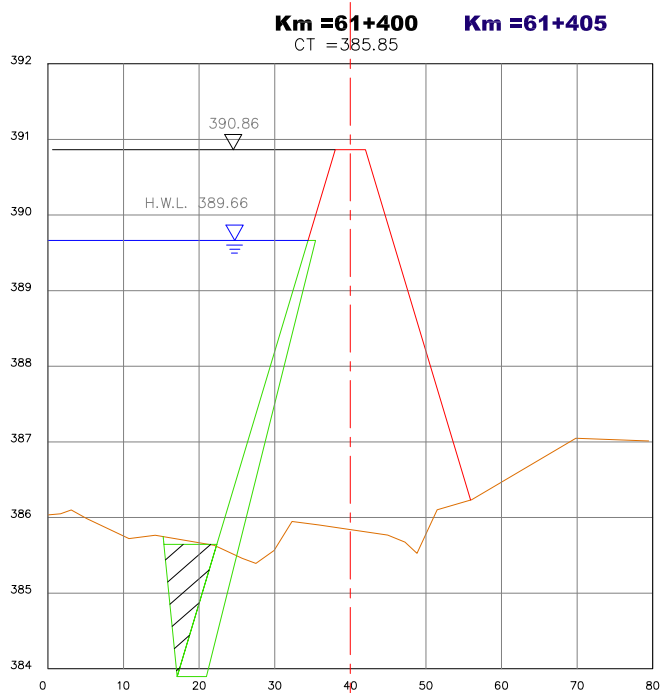
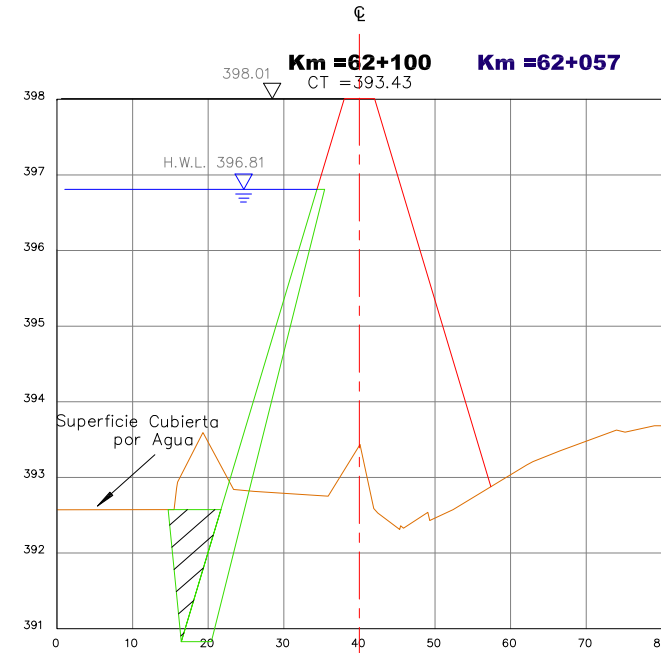
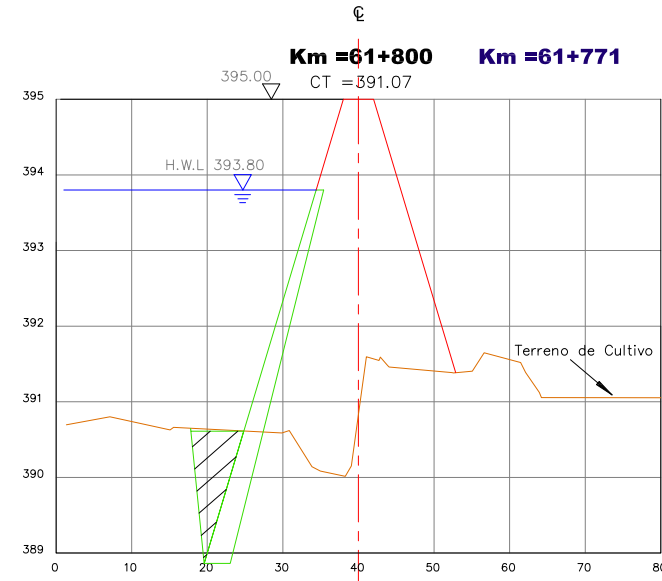
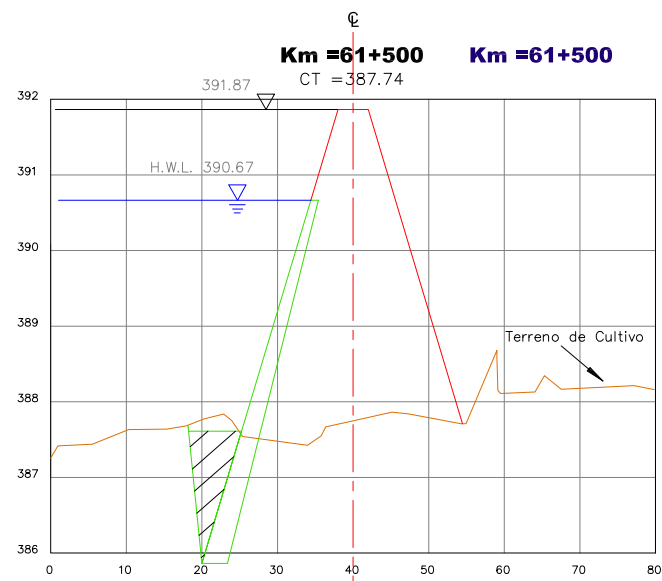
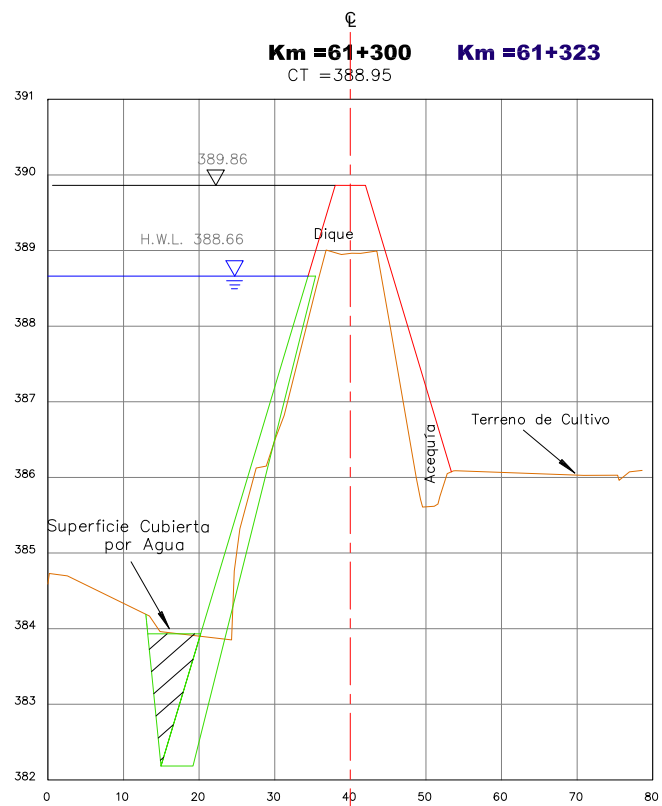
1:333.3 0 5 10 15 20 25 30

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

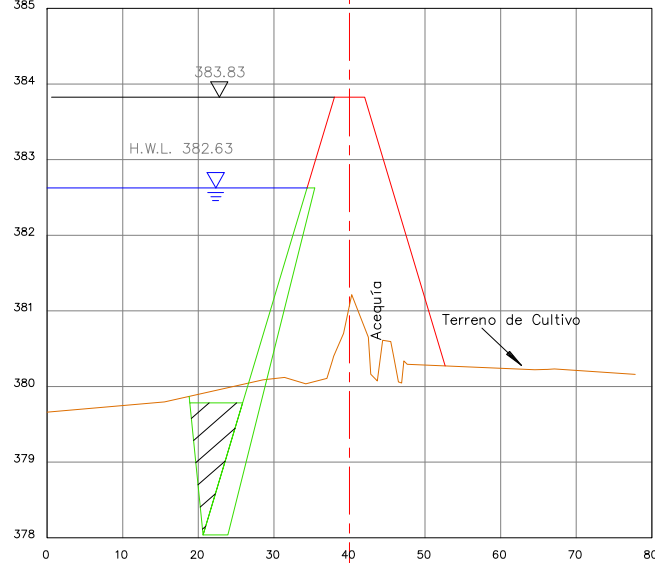
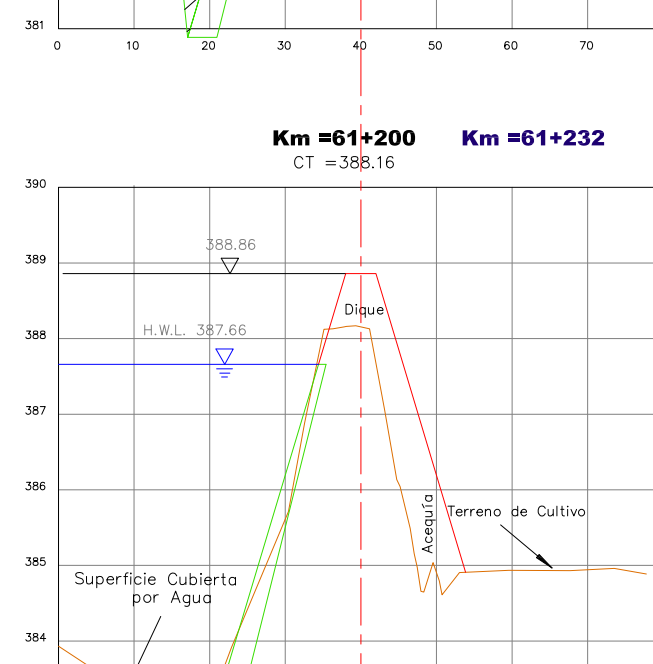
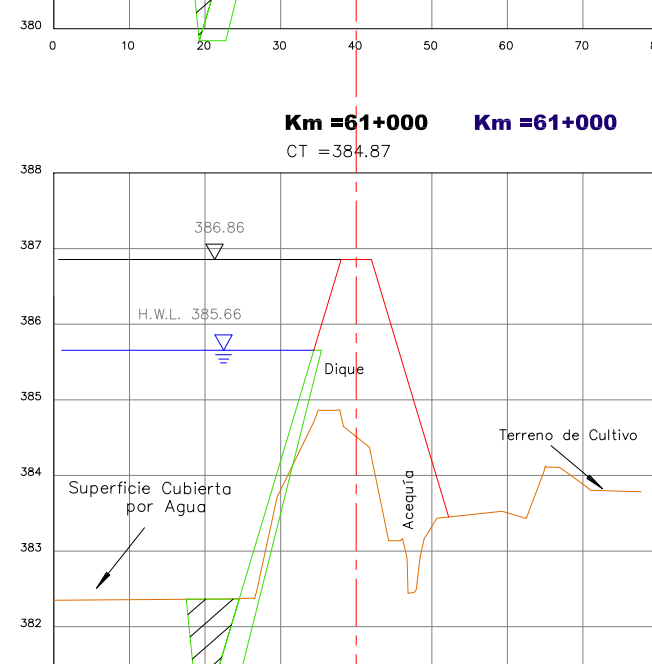
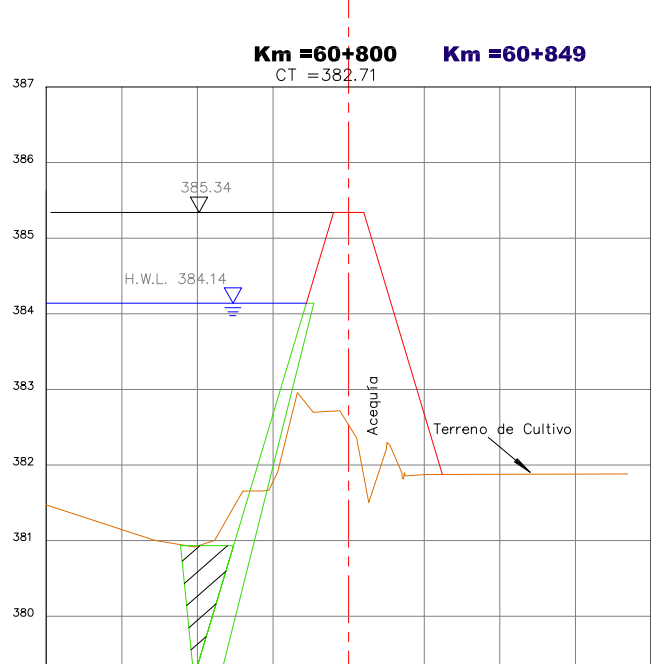
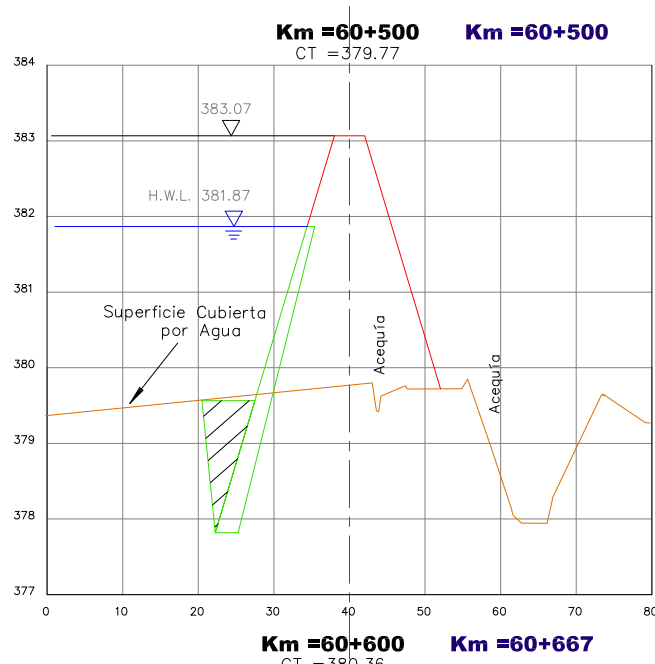
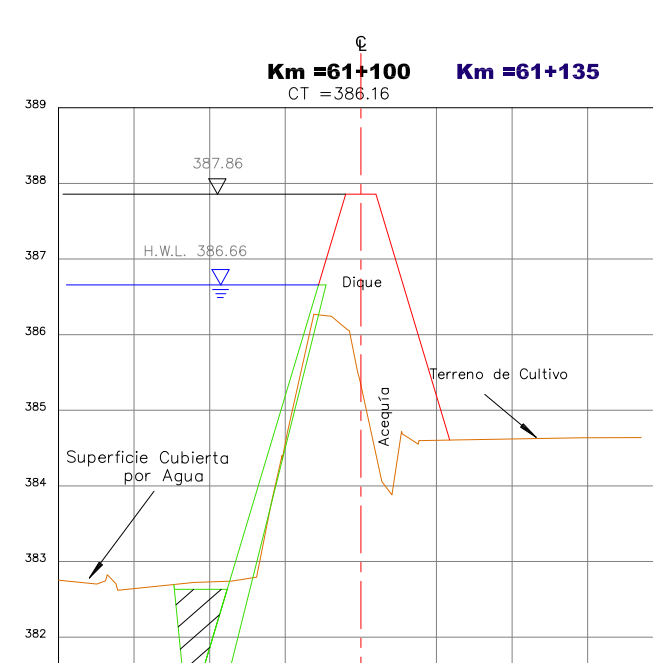
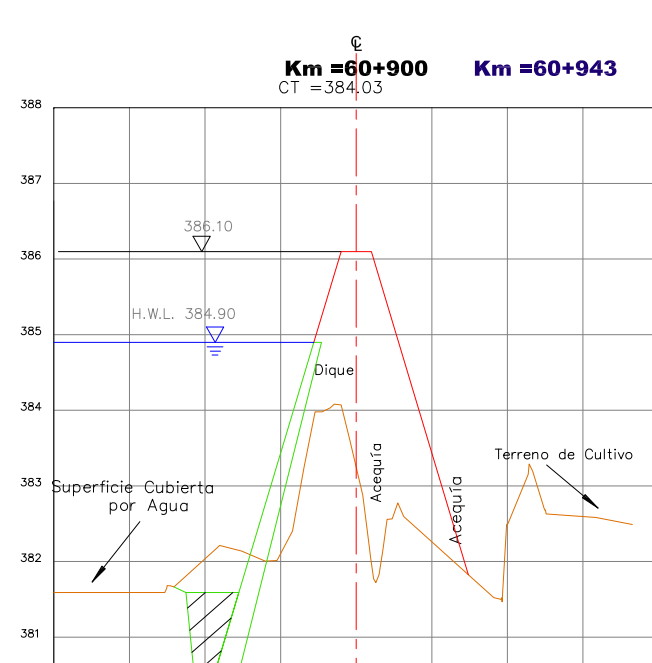
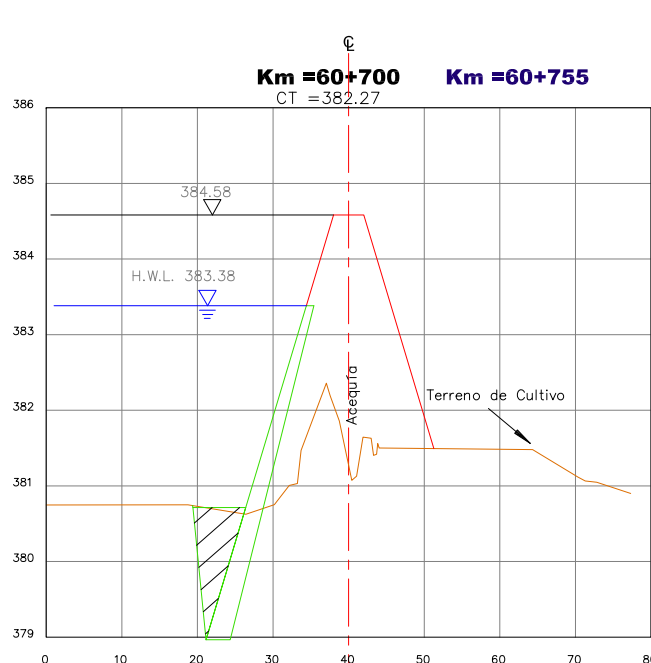
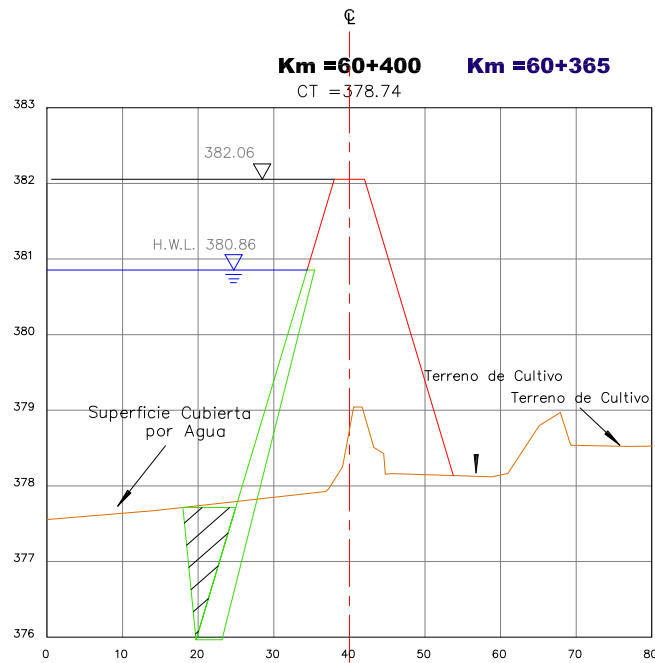
1:750 0 10 20 30 40 50 60



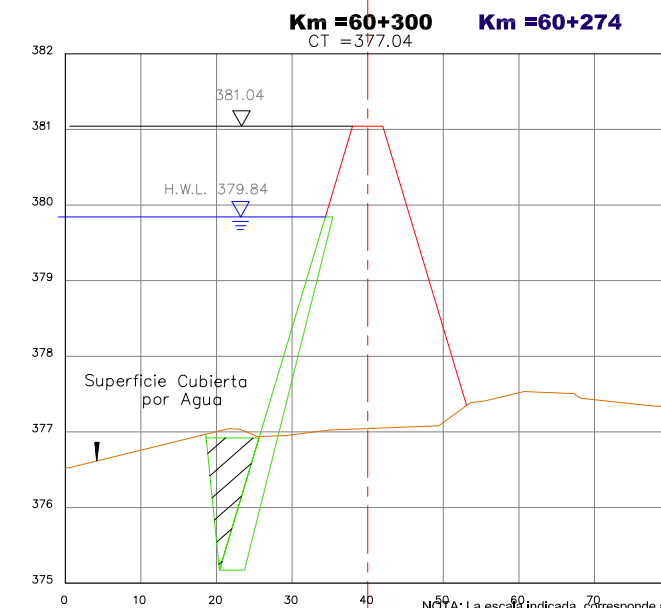
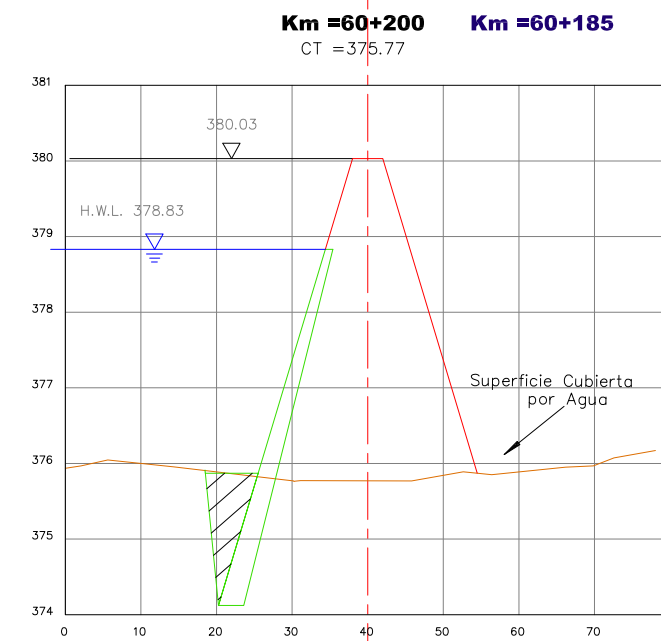
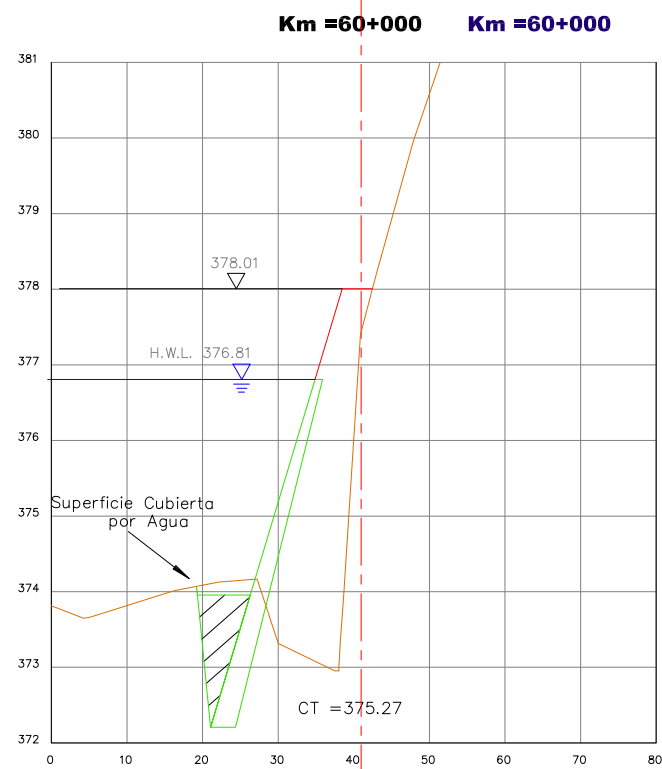
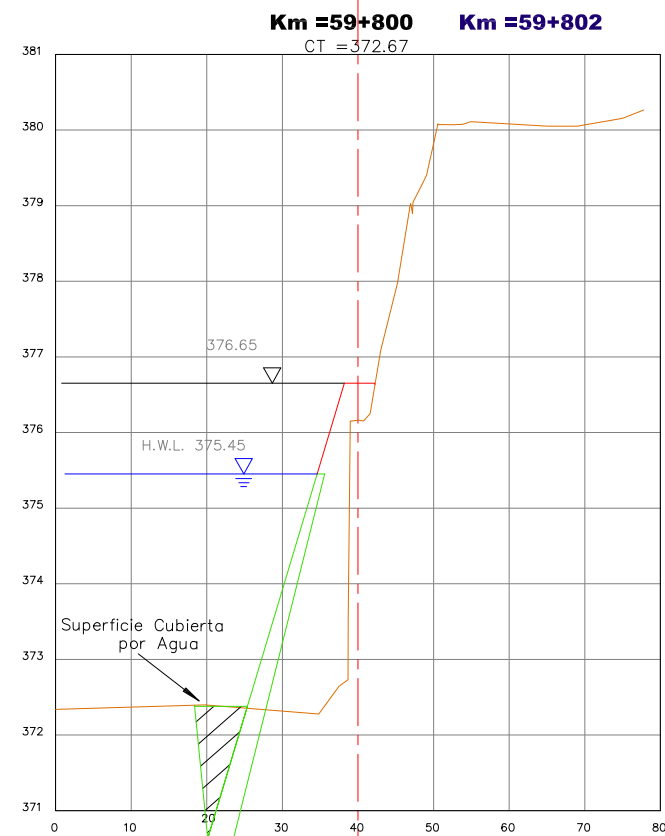
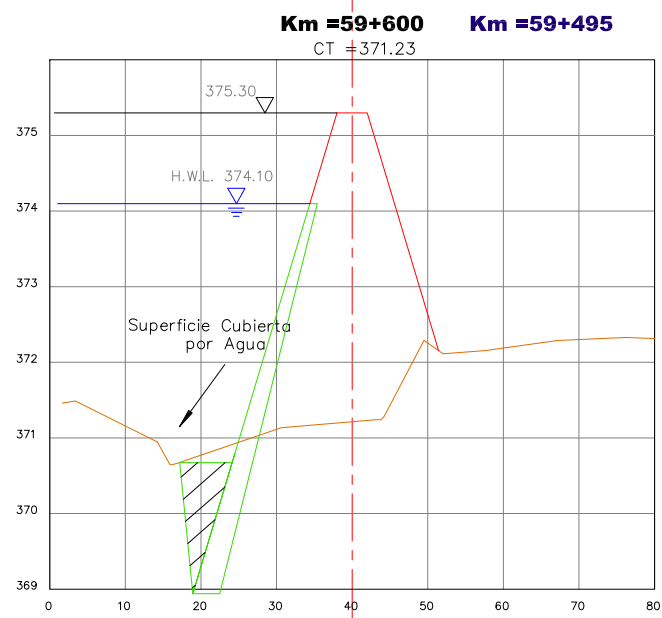
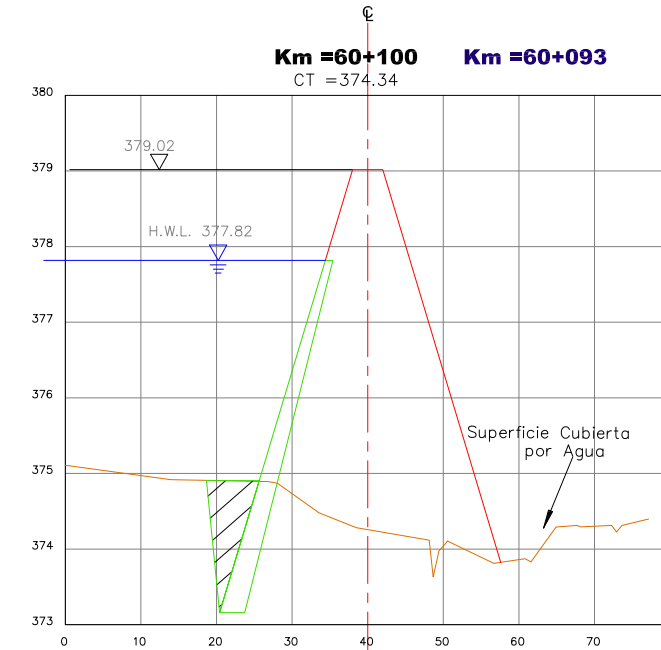
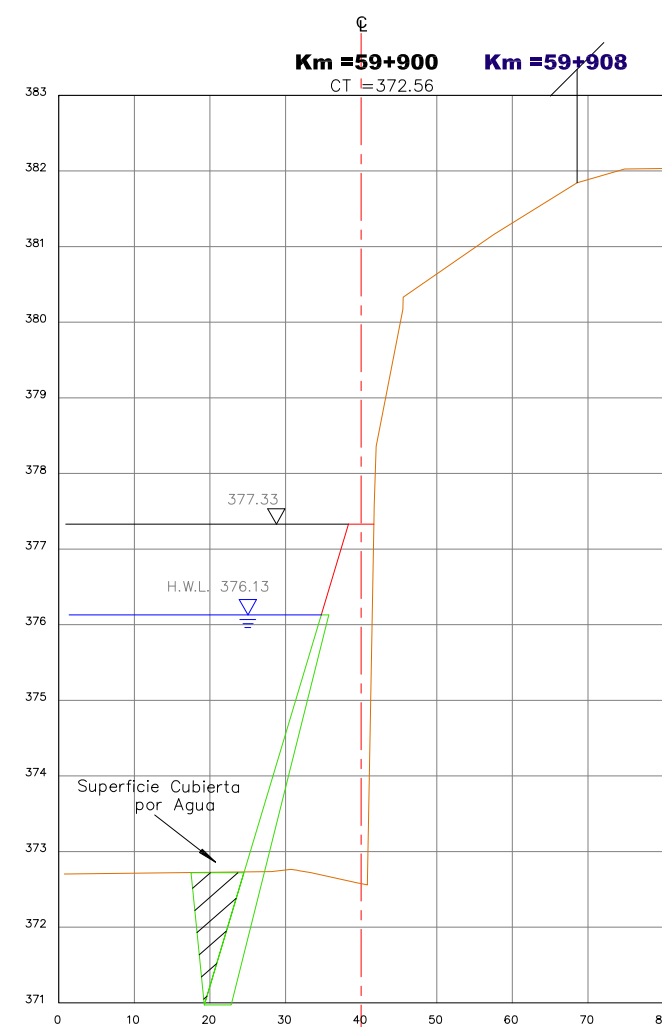
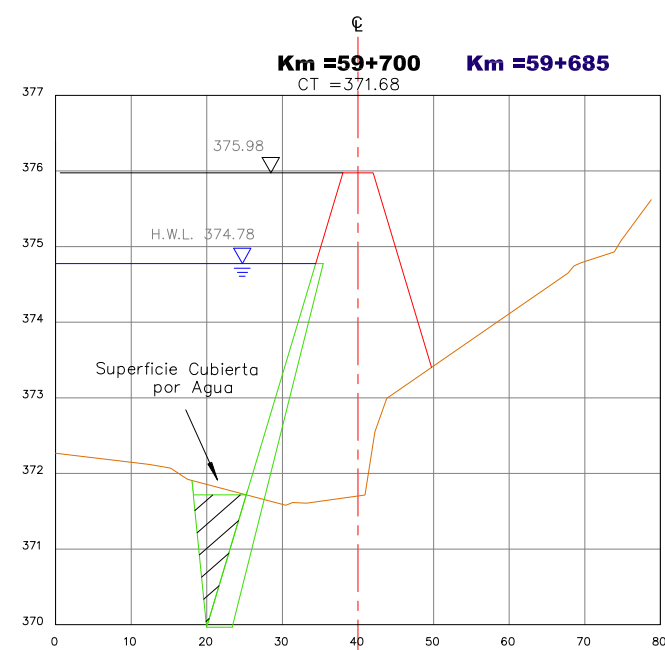
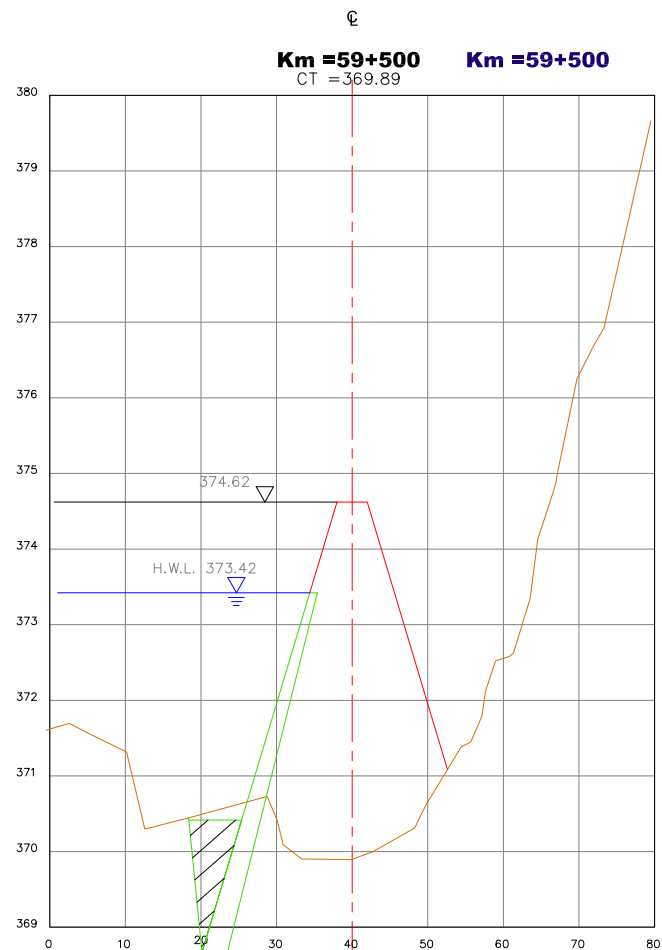
NOTA: La escala indicada, corresponde al formato A-1 Para el Formato A-3, se debe considerar el doble.



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

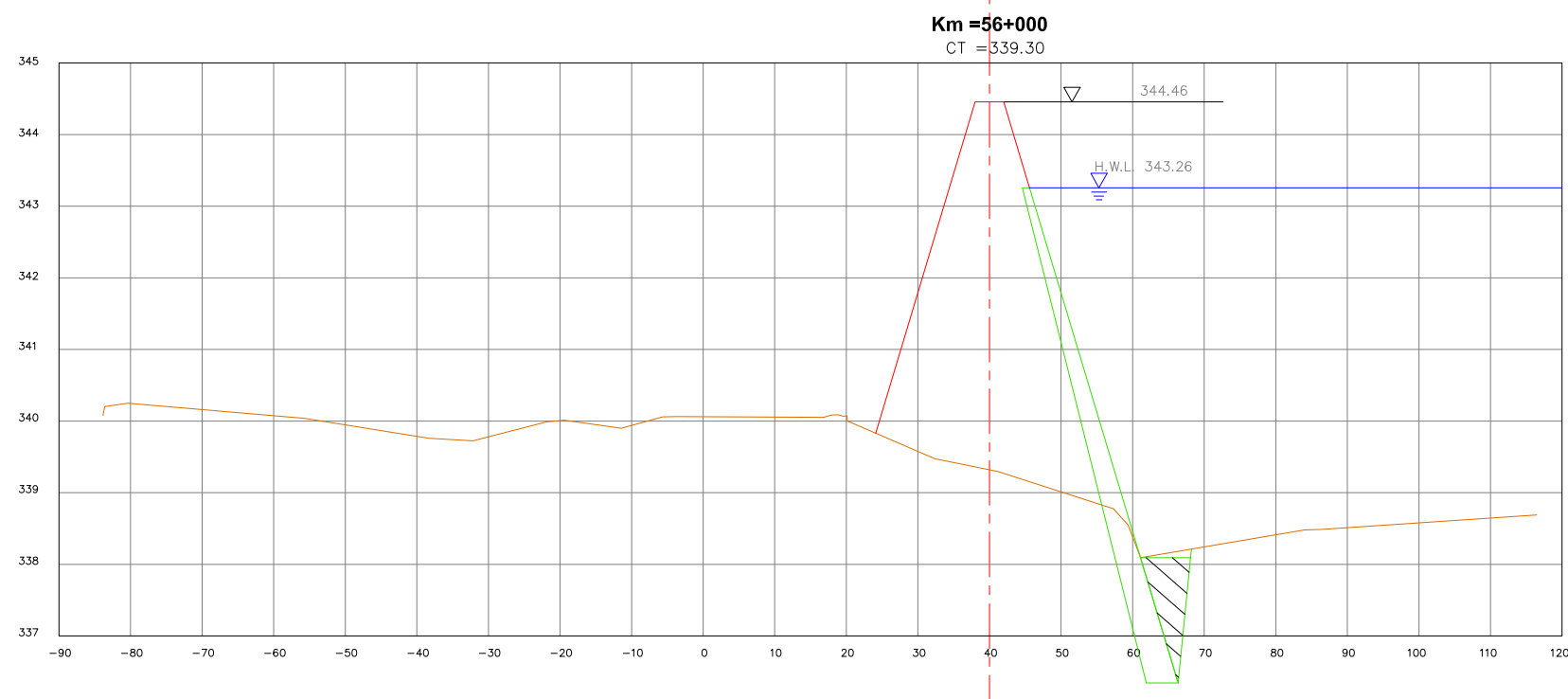
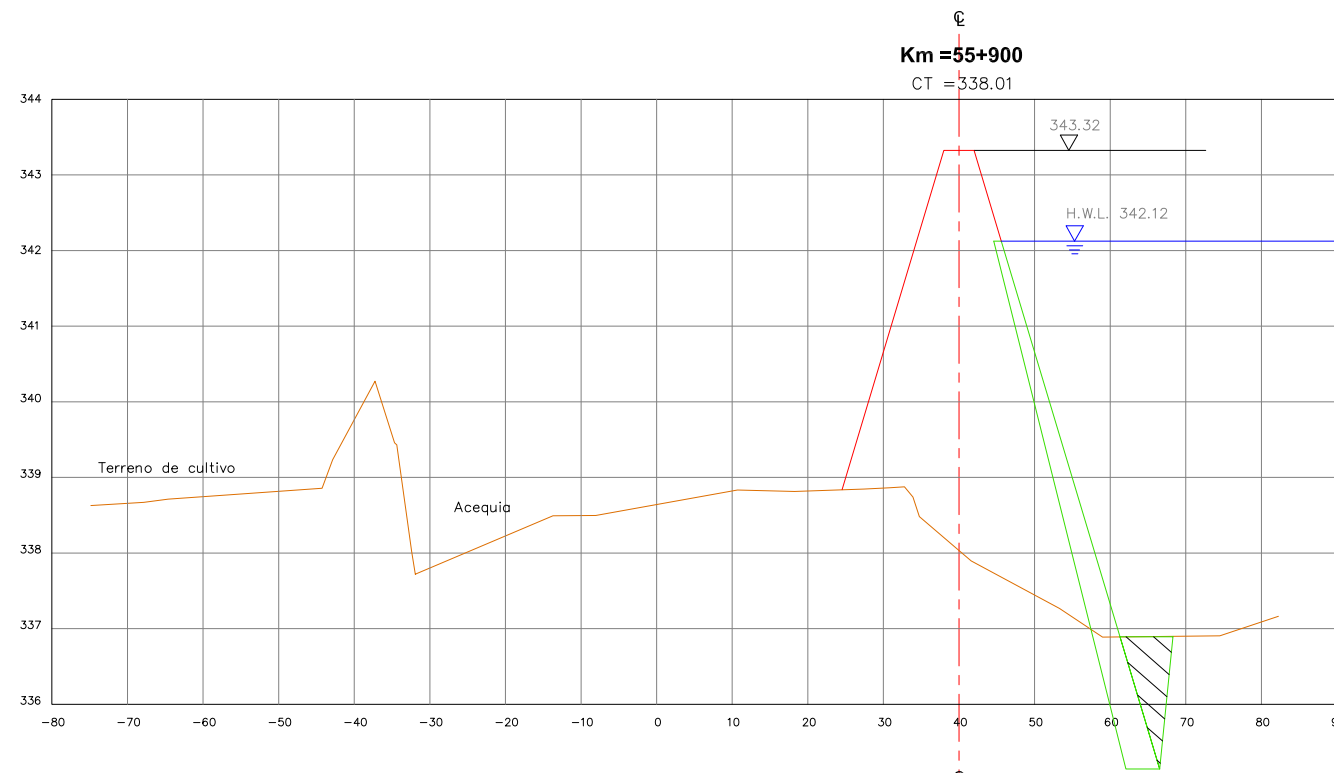
1:200 0 5 10 15

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

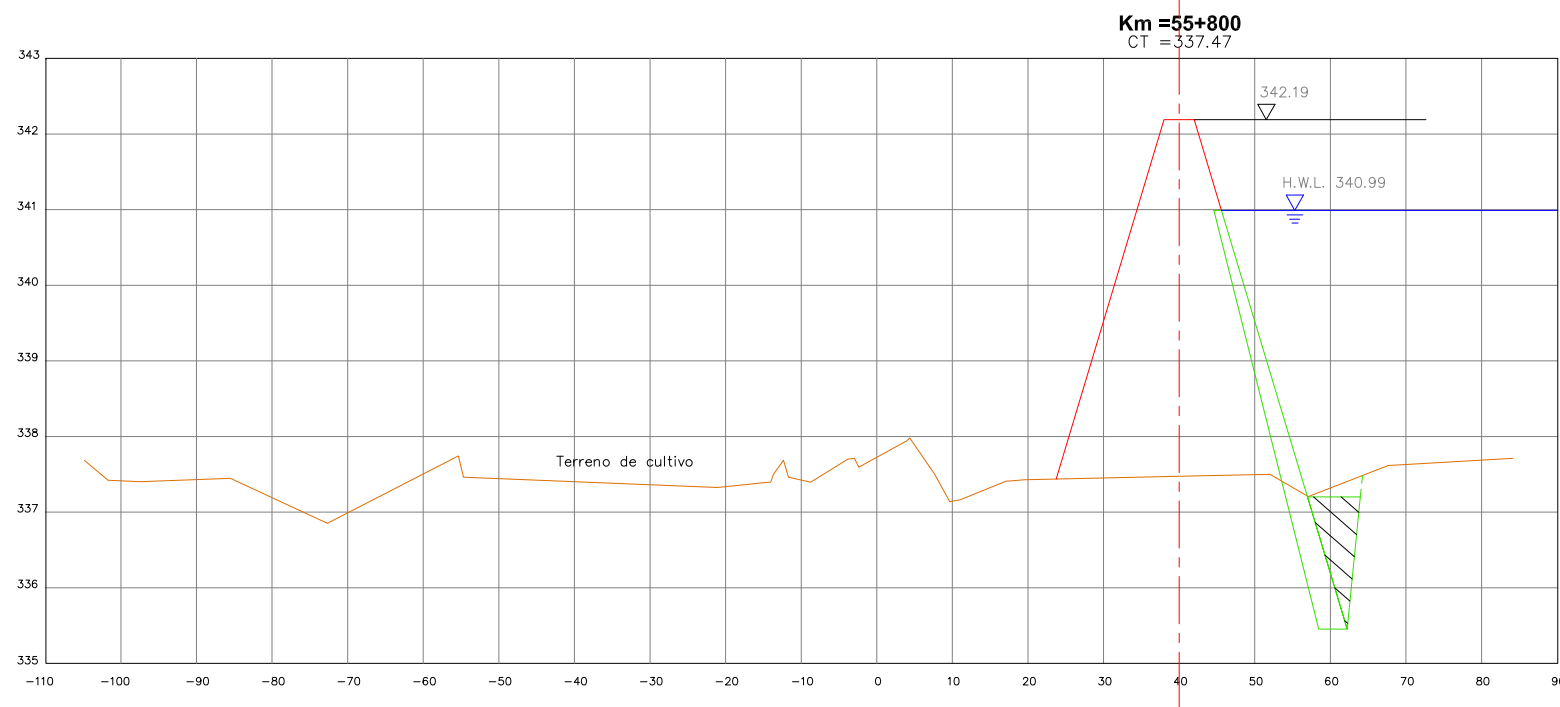
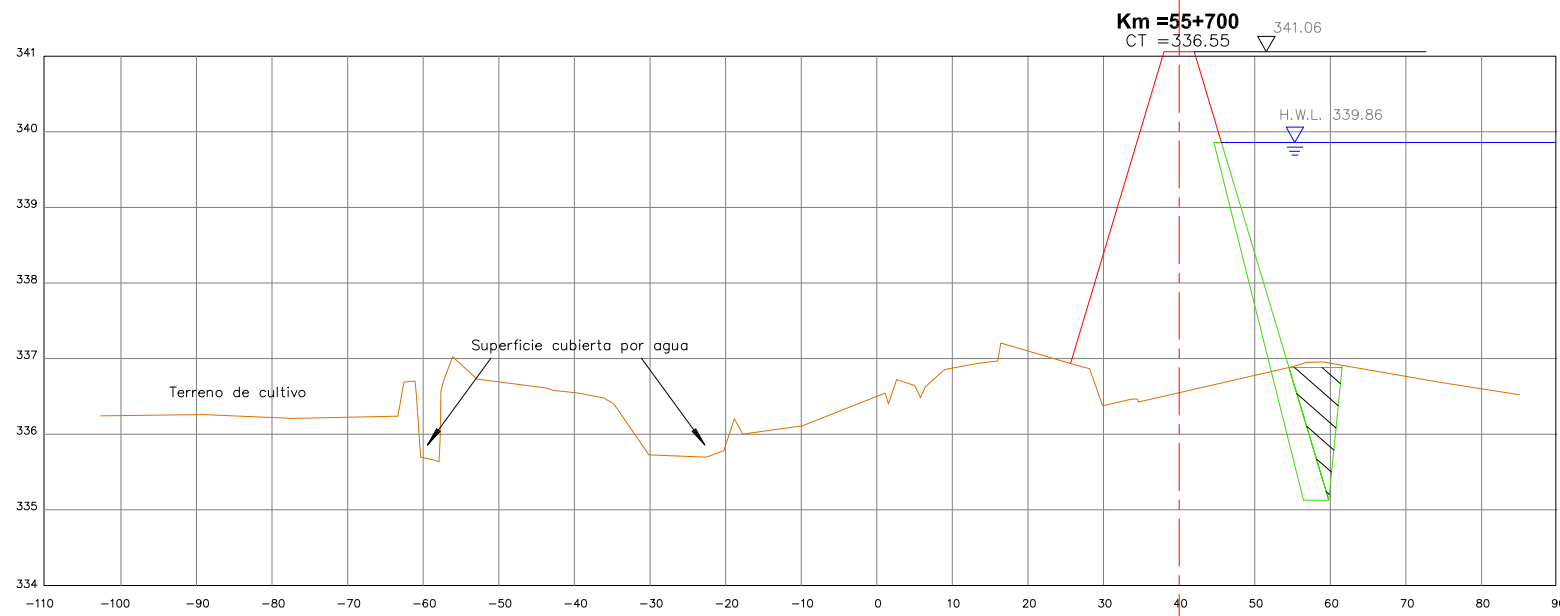
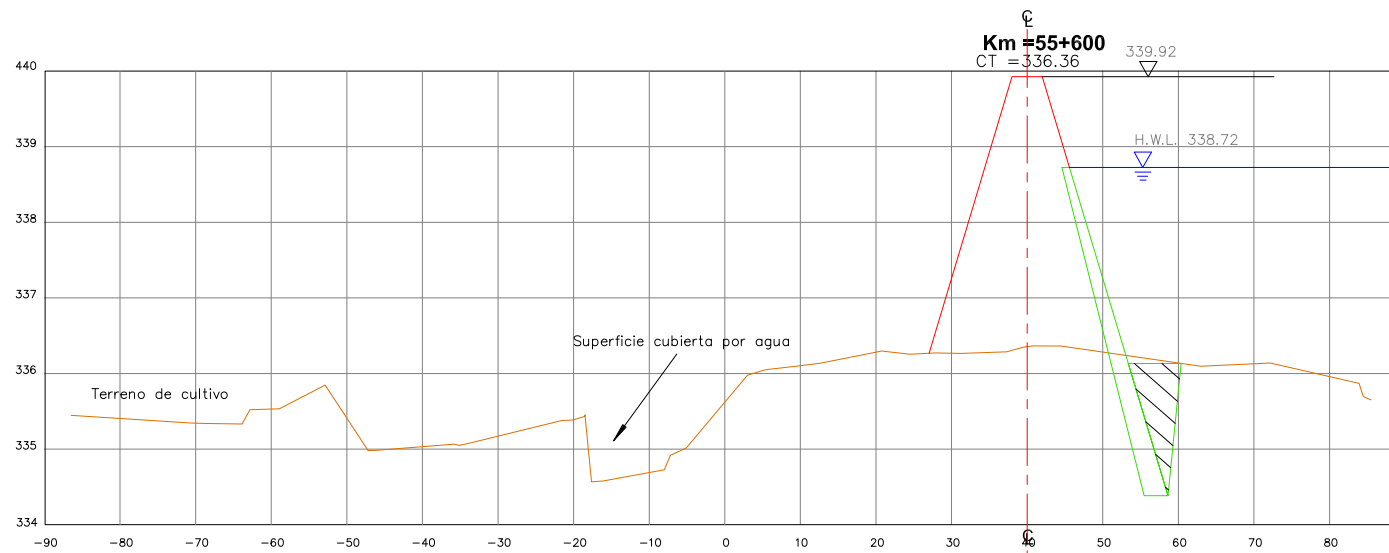
1:200 0 5 10 15

1:250 0 5 10 15 20

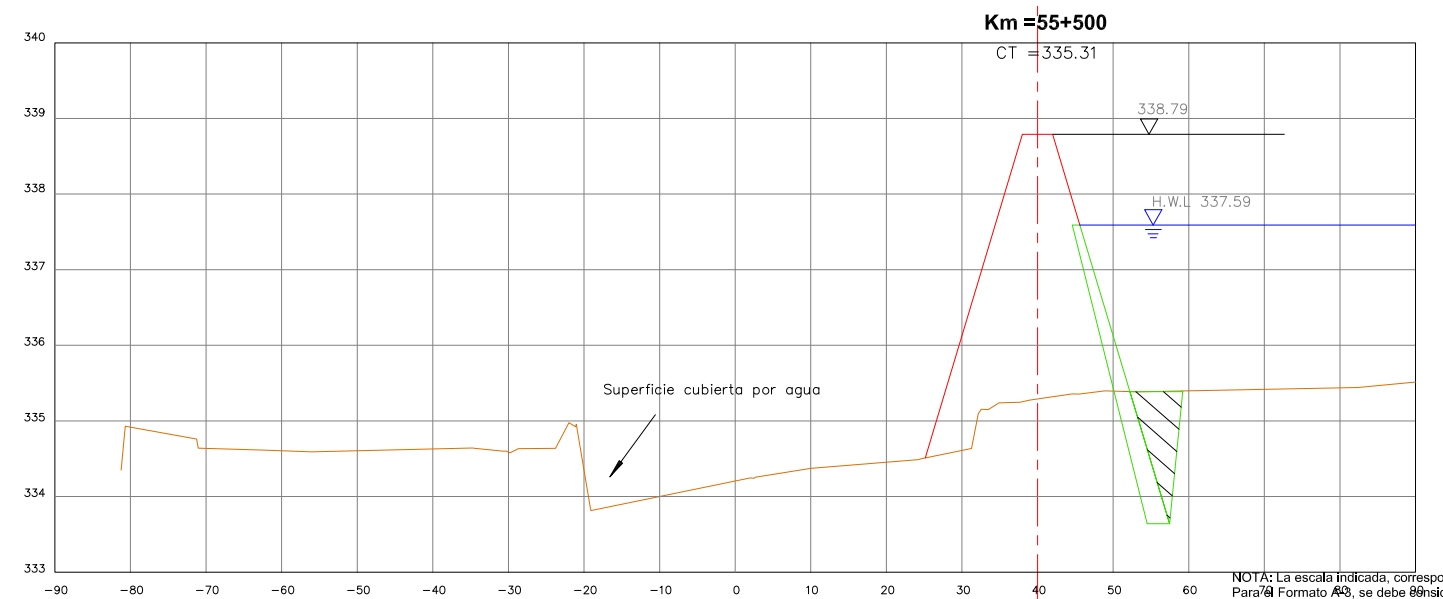
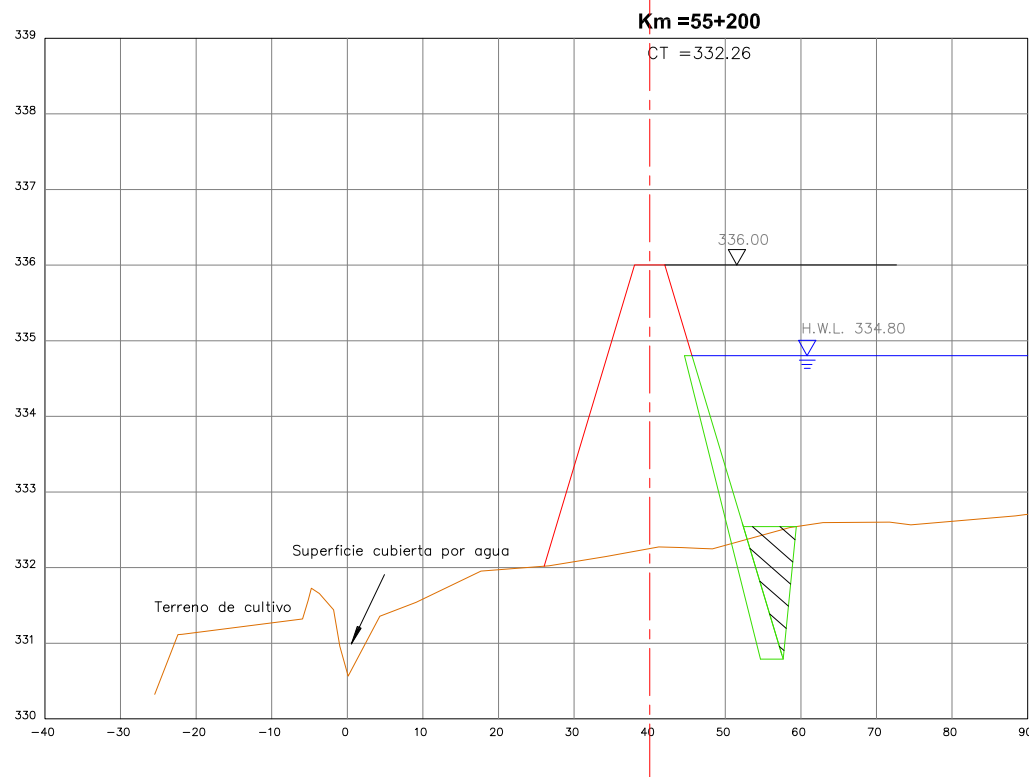
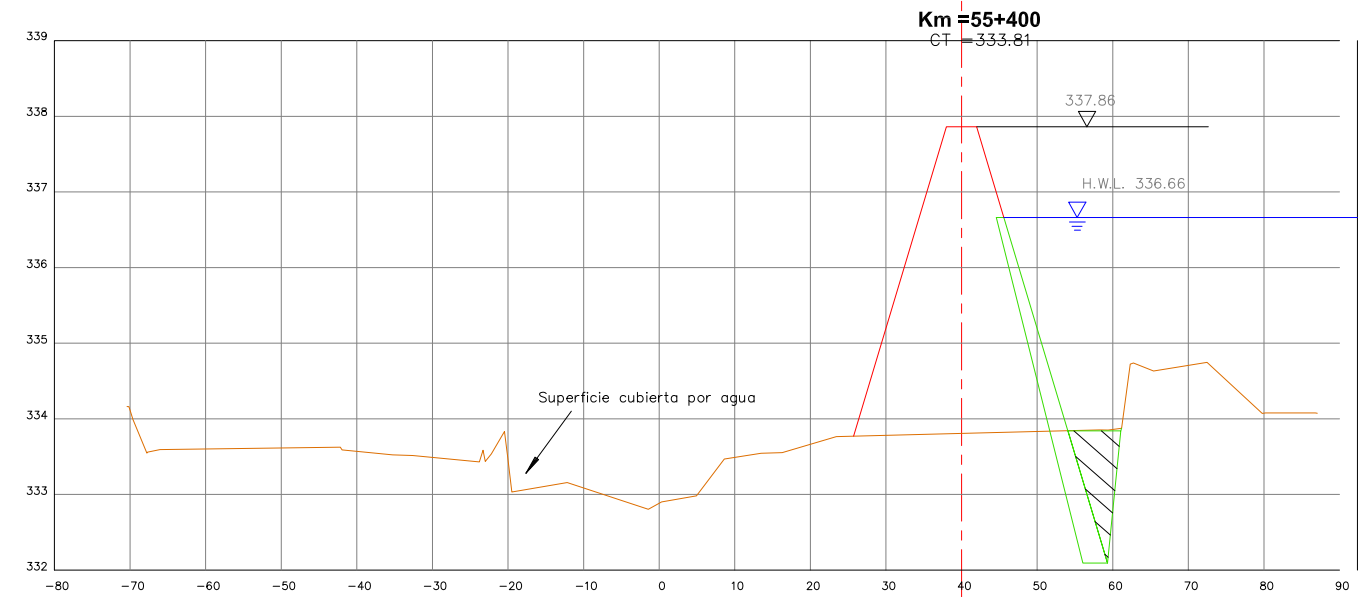
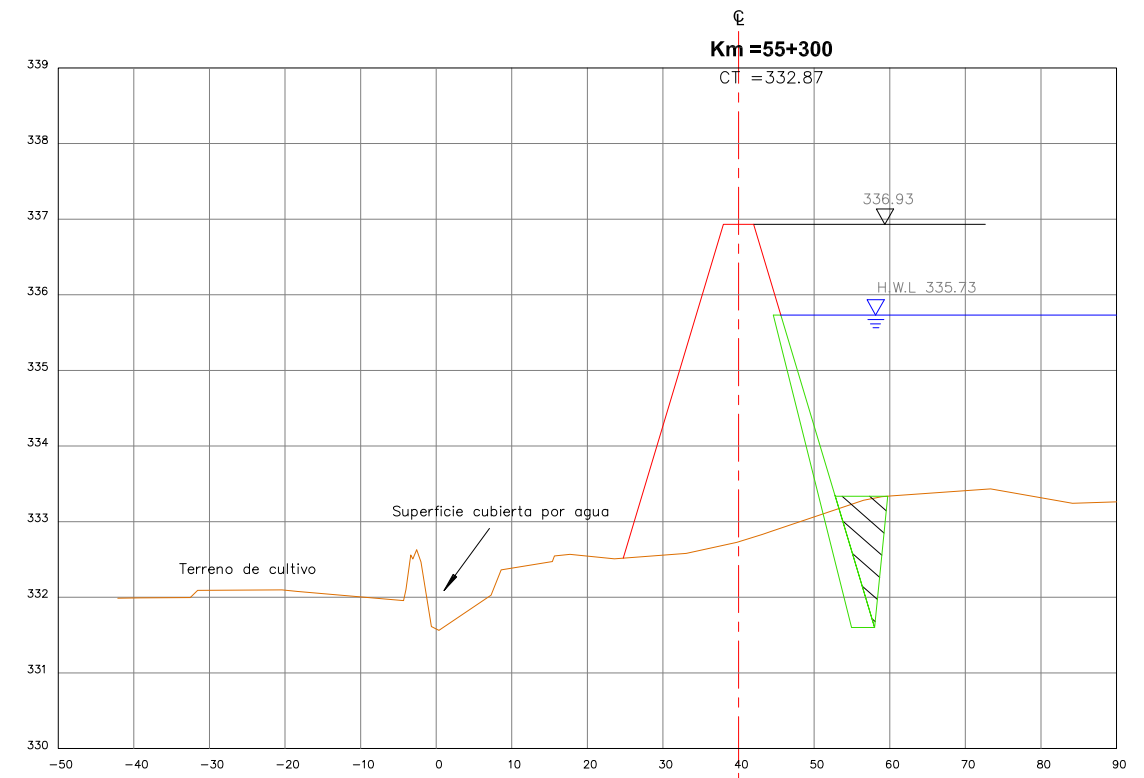
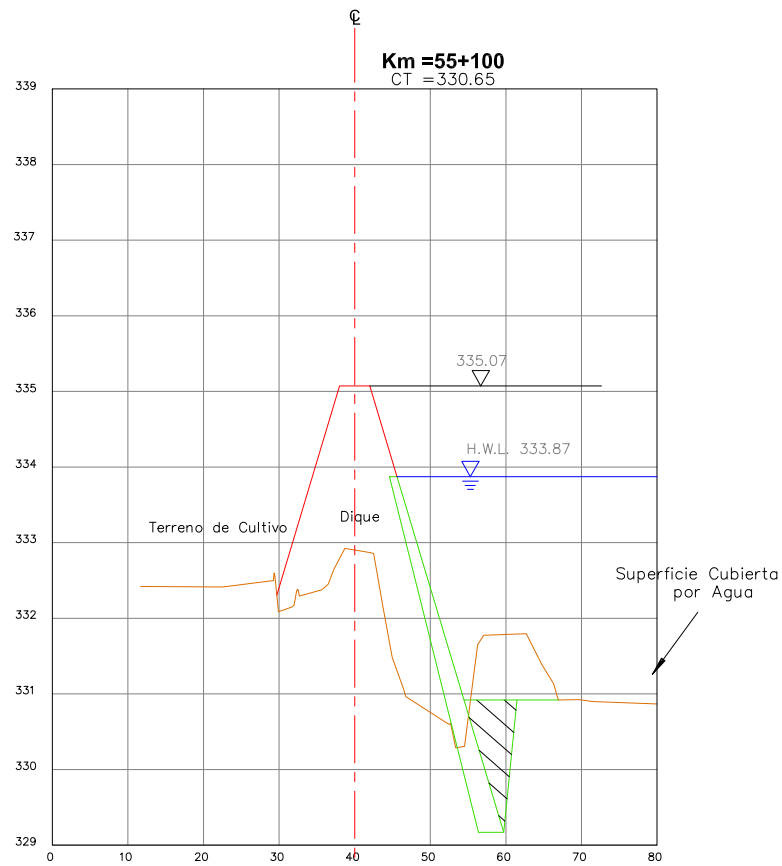
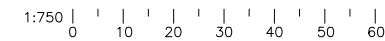
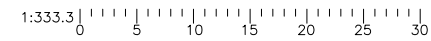
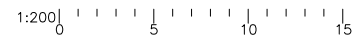
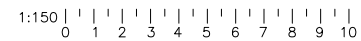
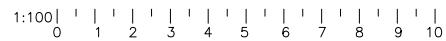
1:333.3 0 5 10 15 20 25 30

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

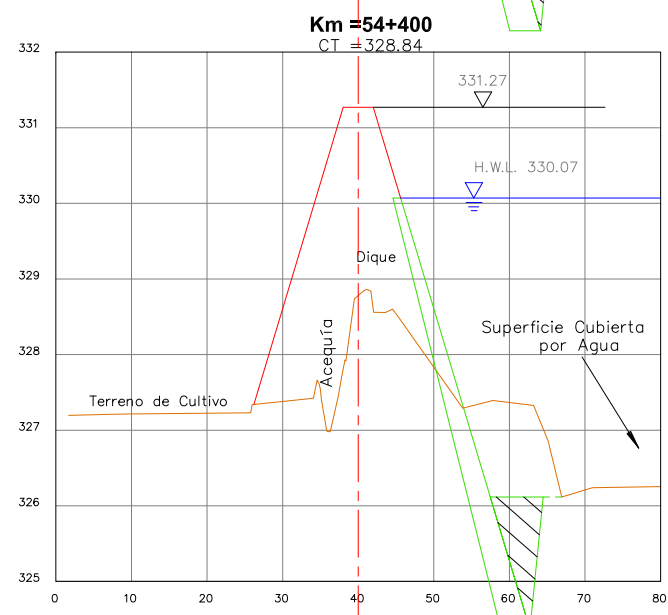
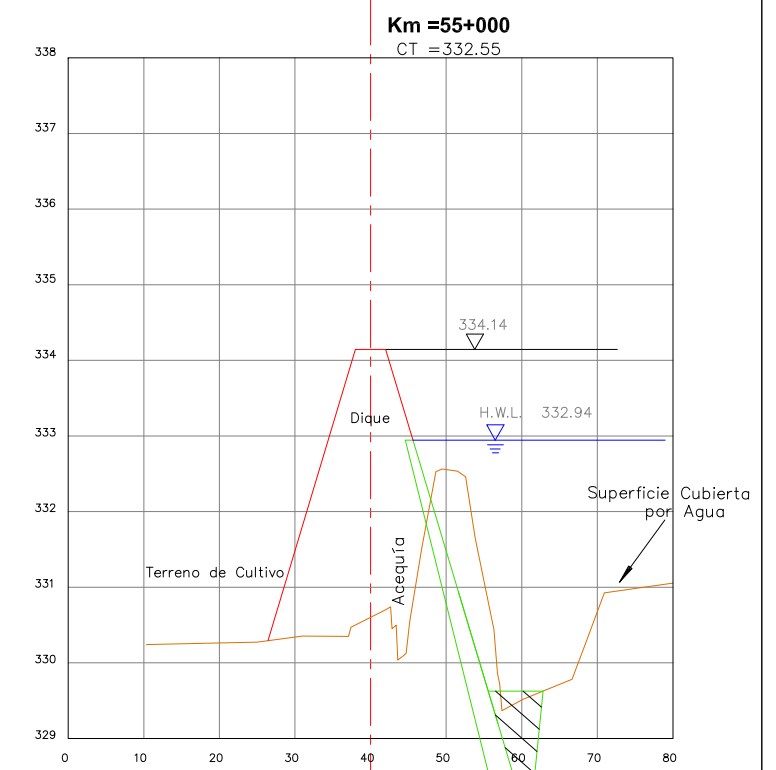
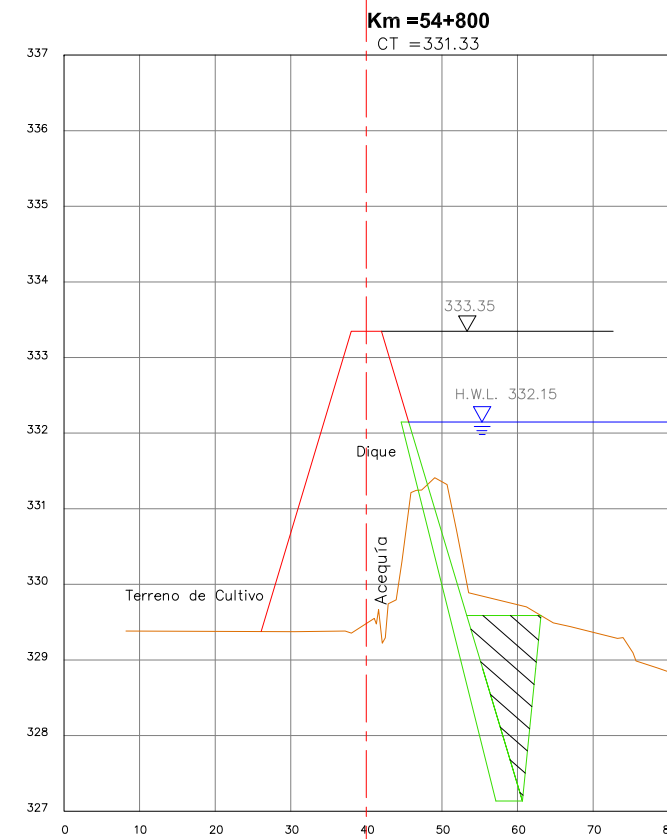
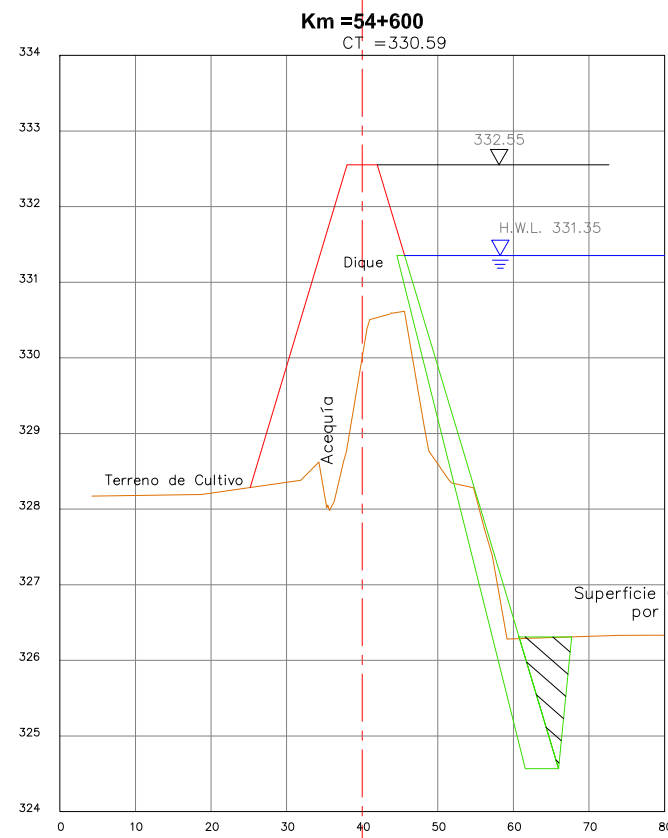
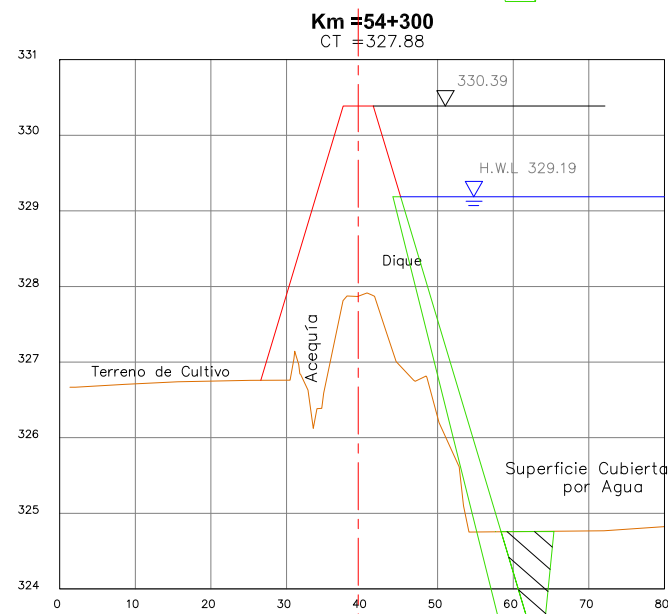
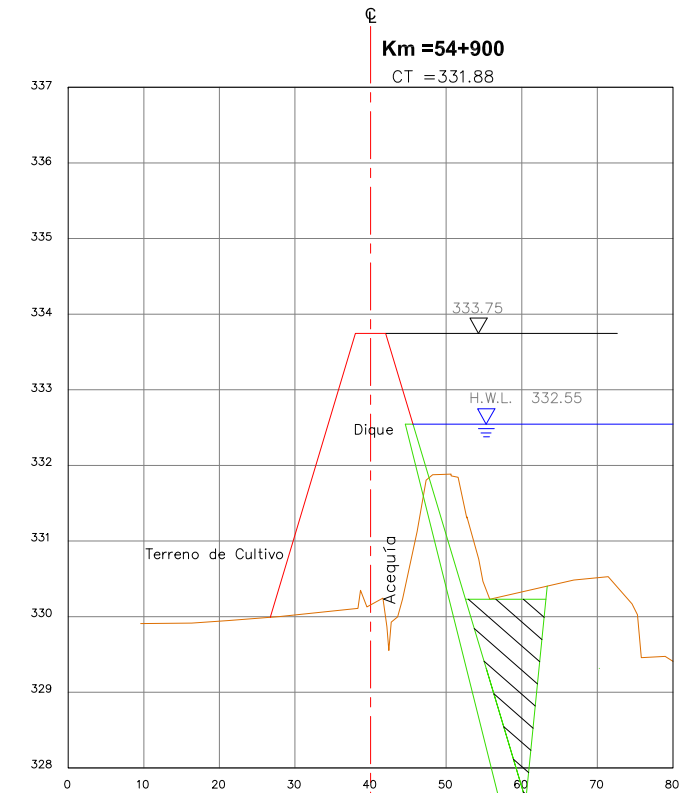
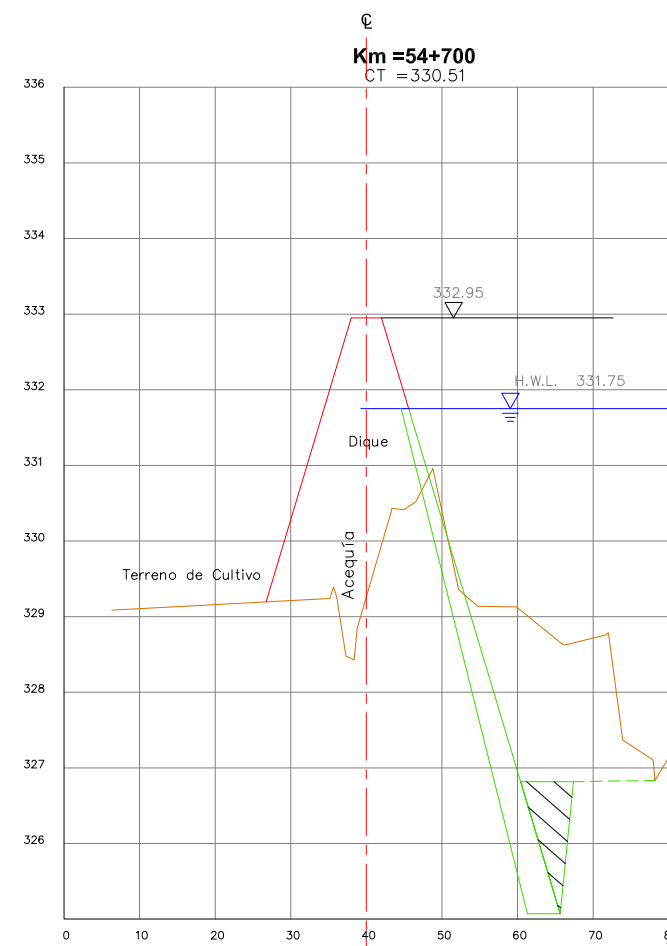
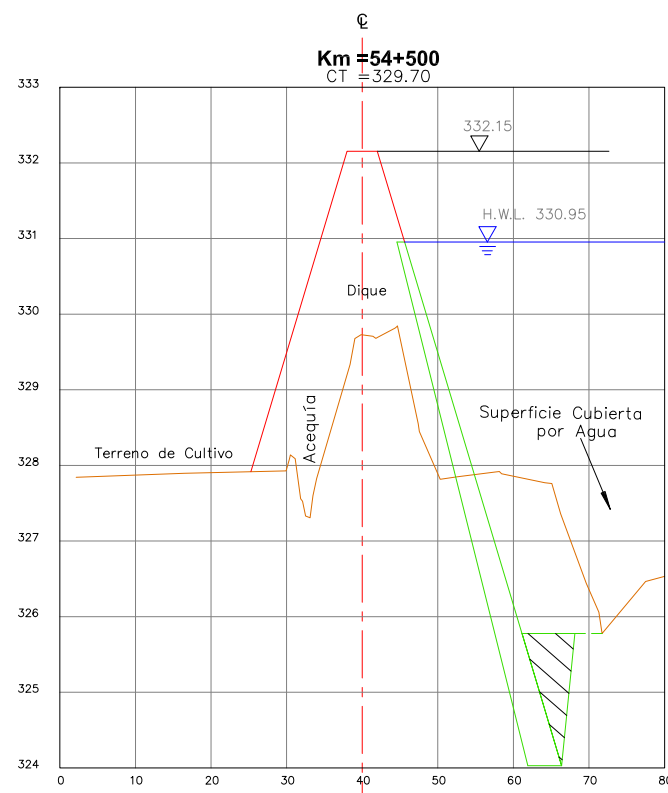
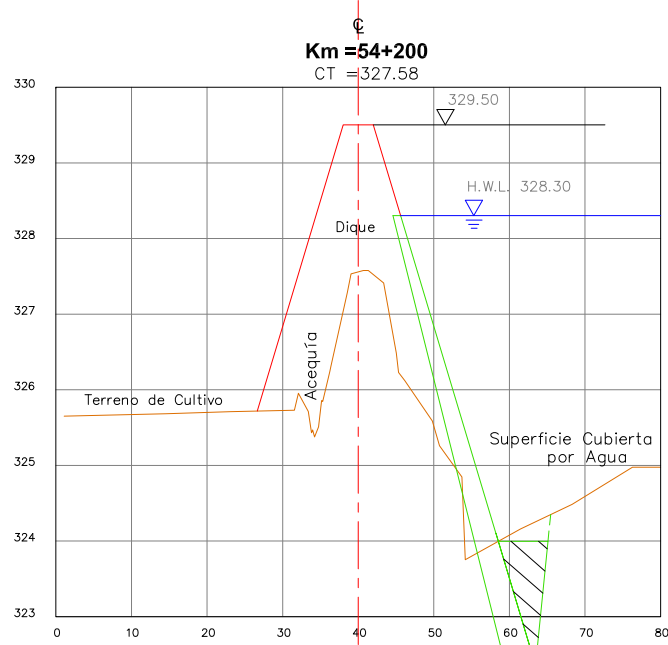
1:750 0 10 20 30 40 50 60



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 A3, 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

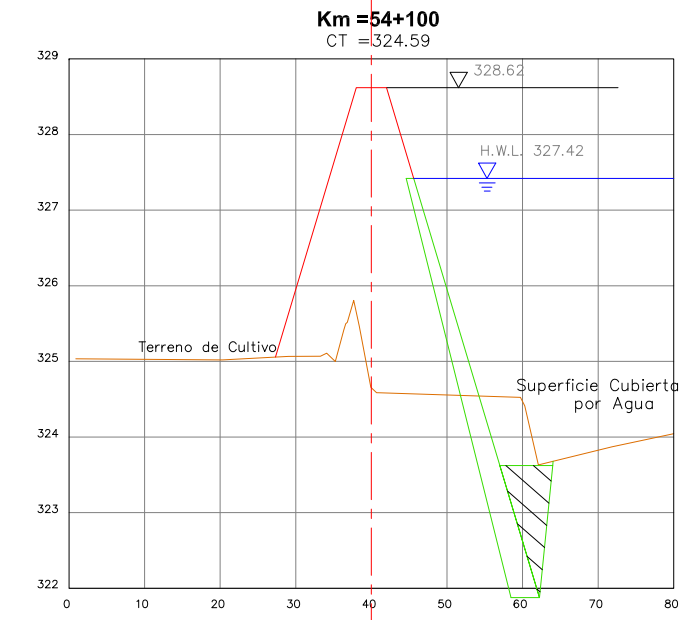
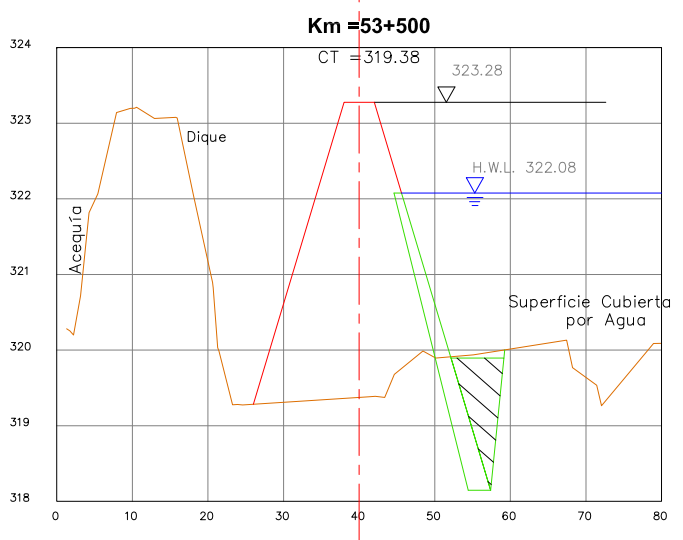
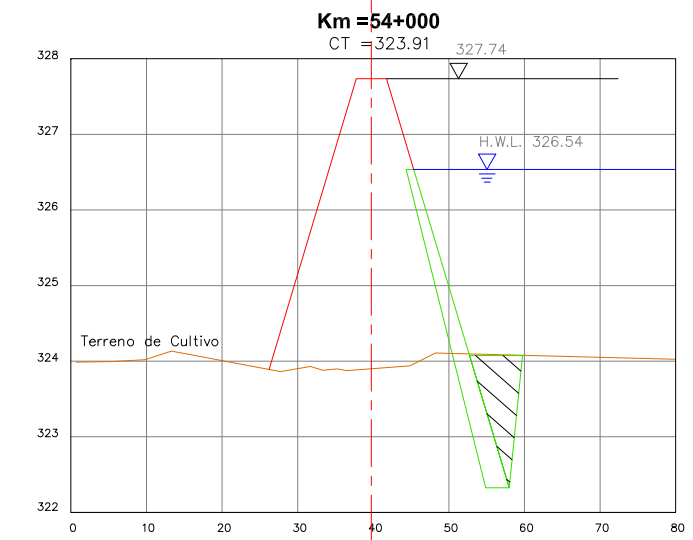
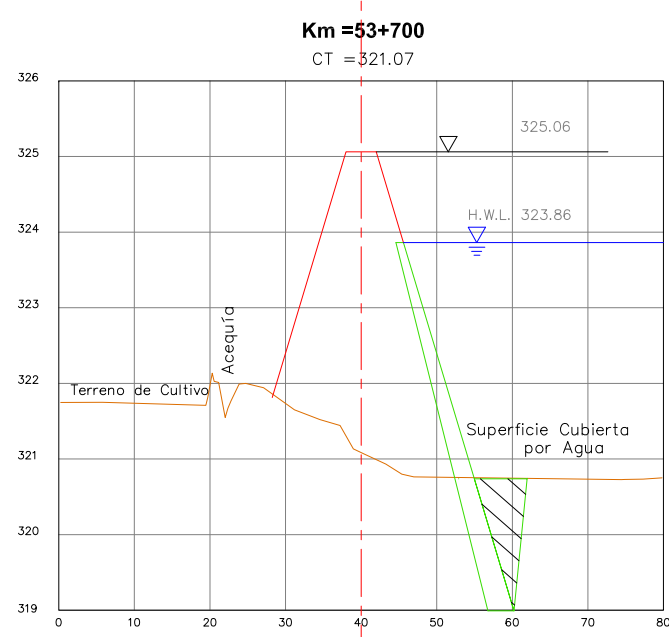
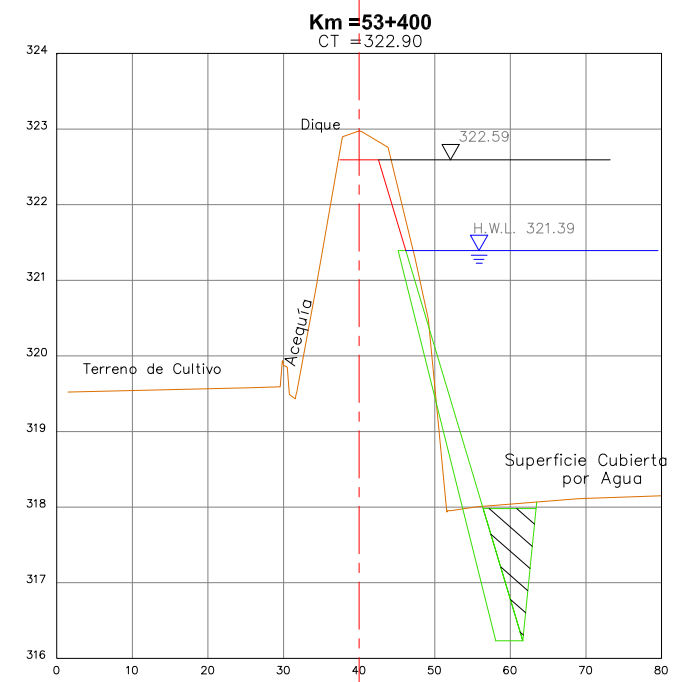
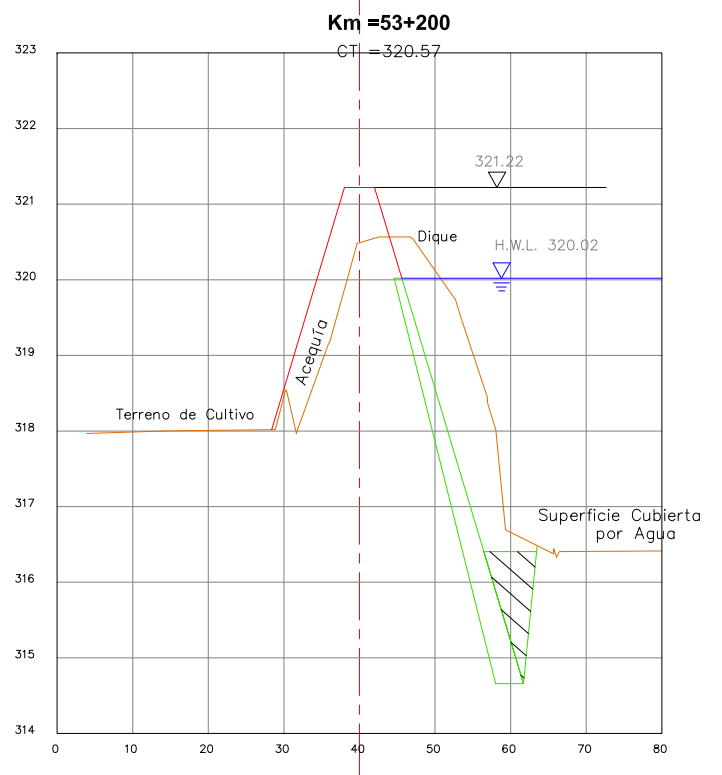
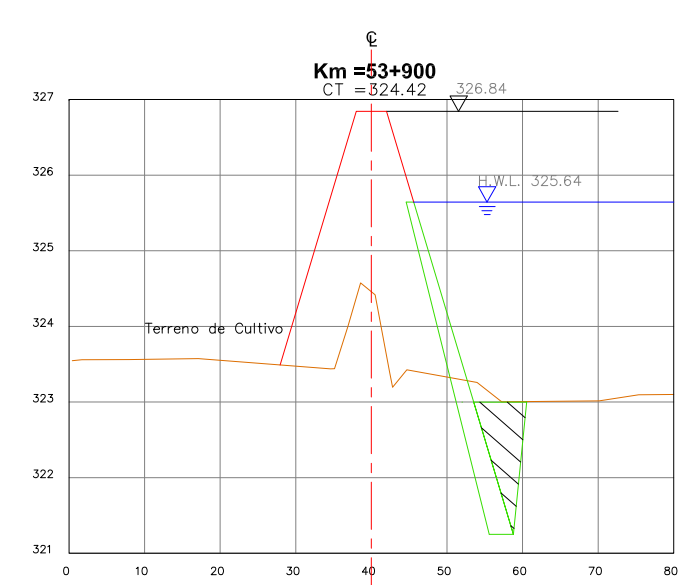
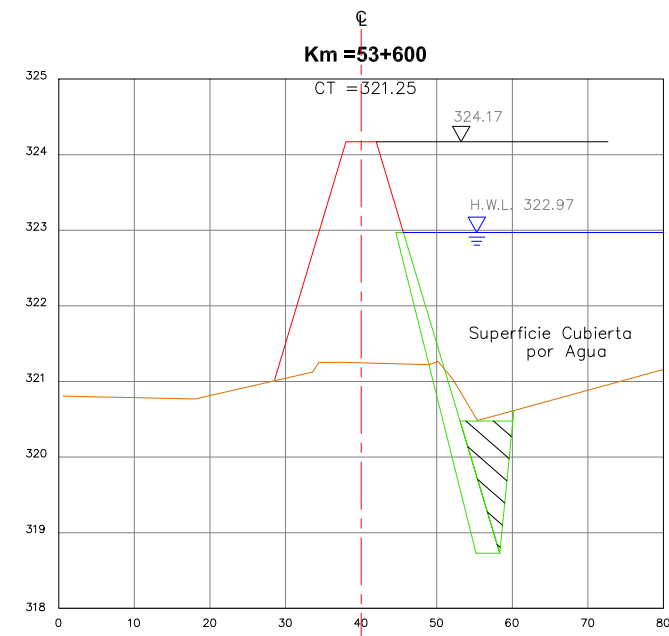
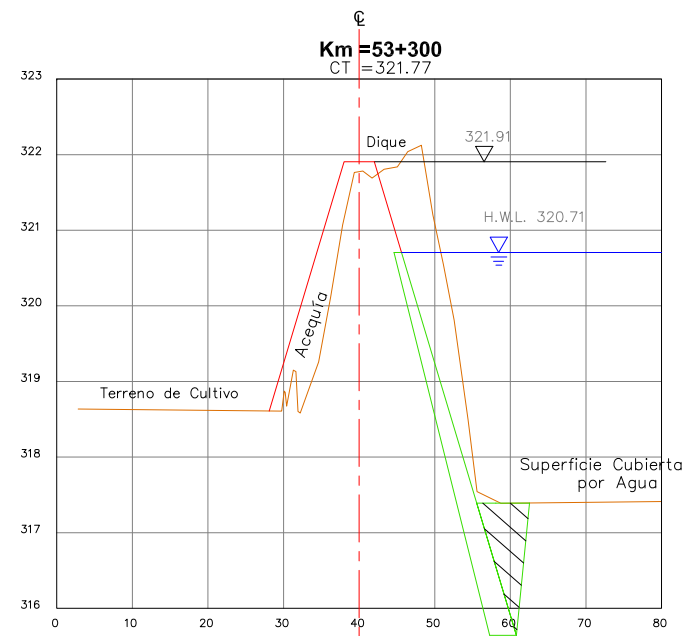
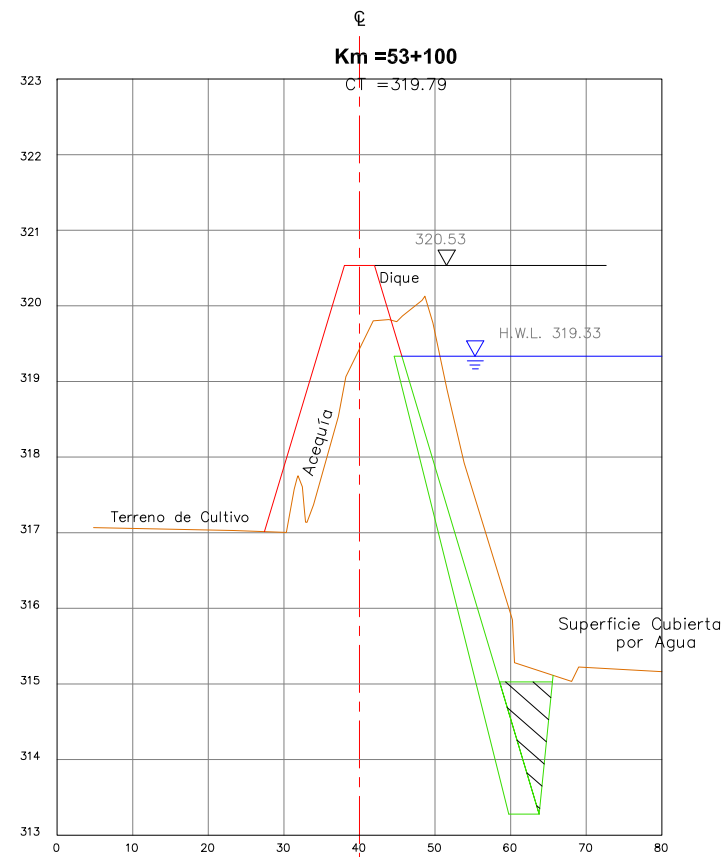
1:200 0 5 10 15

1:250 0 5 10 15 20

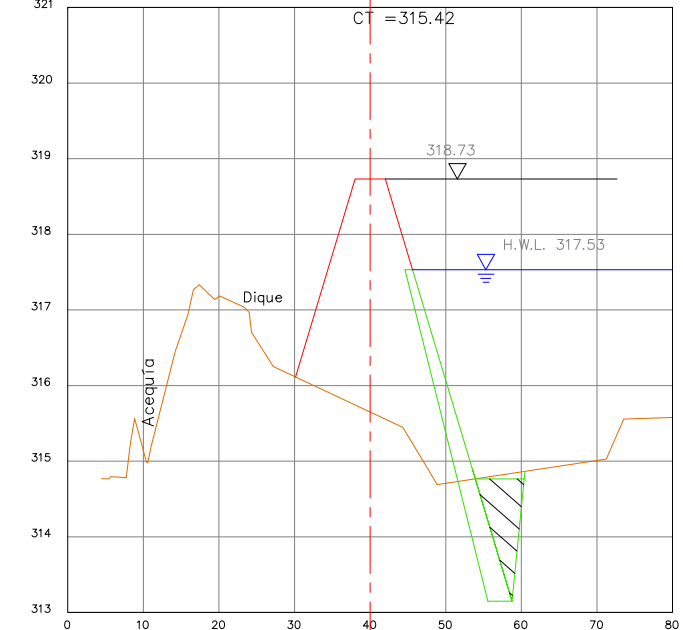
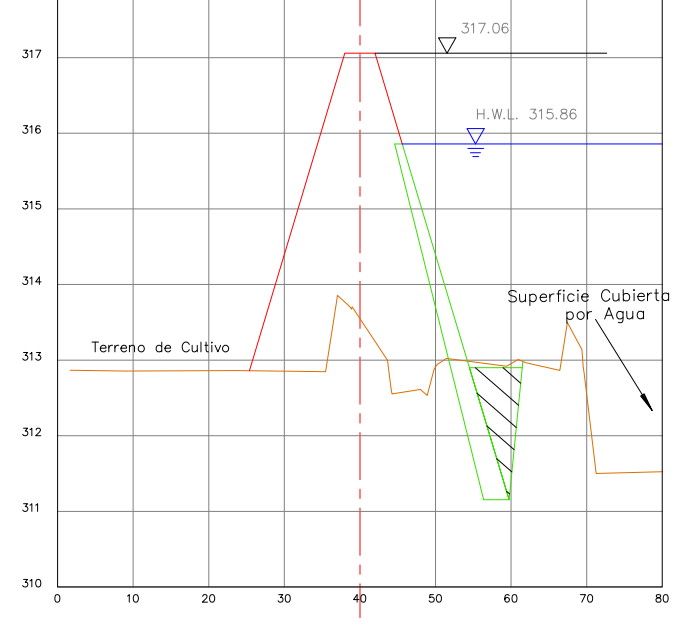
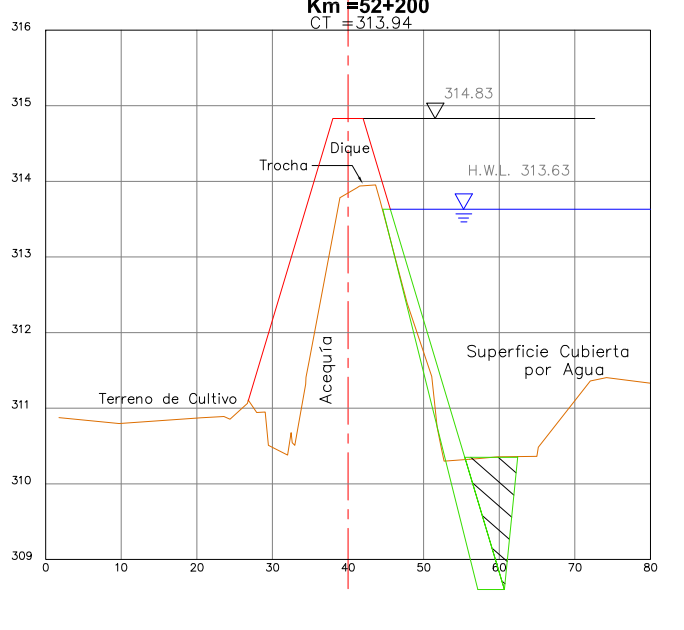
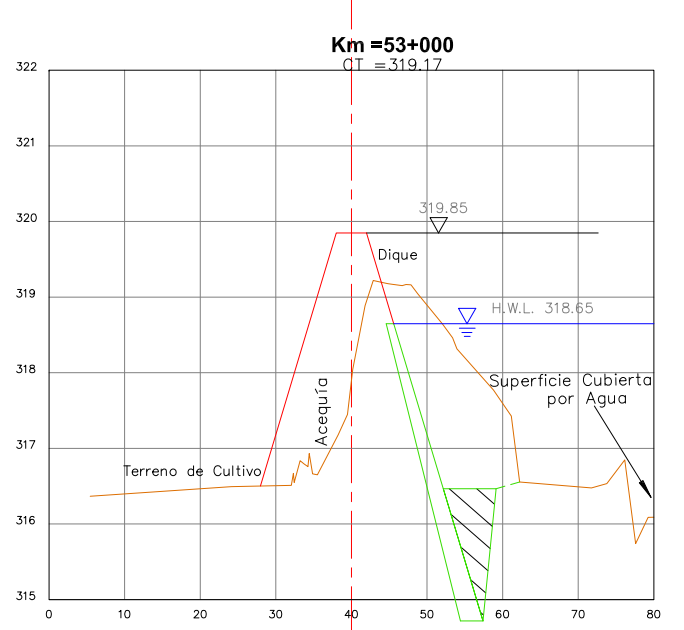
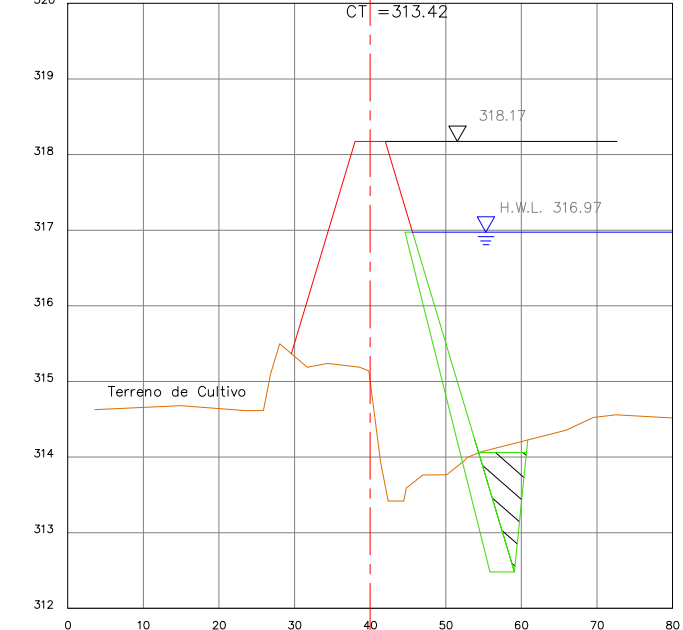
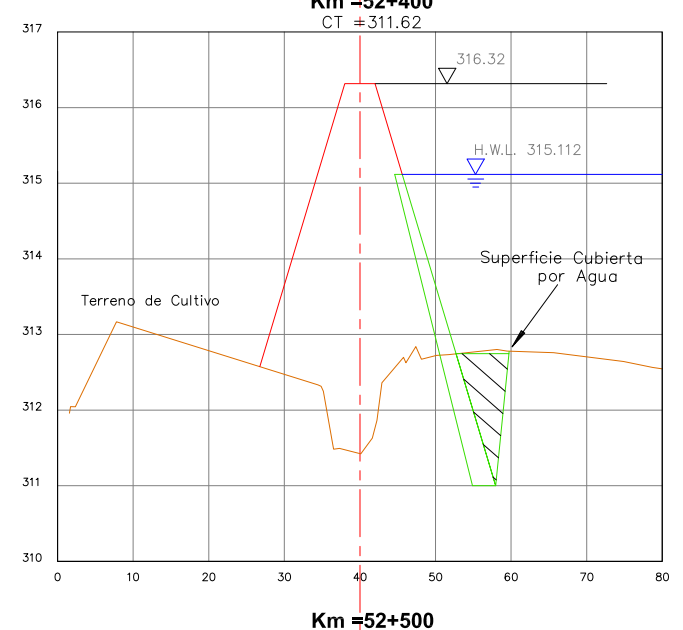
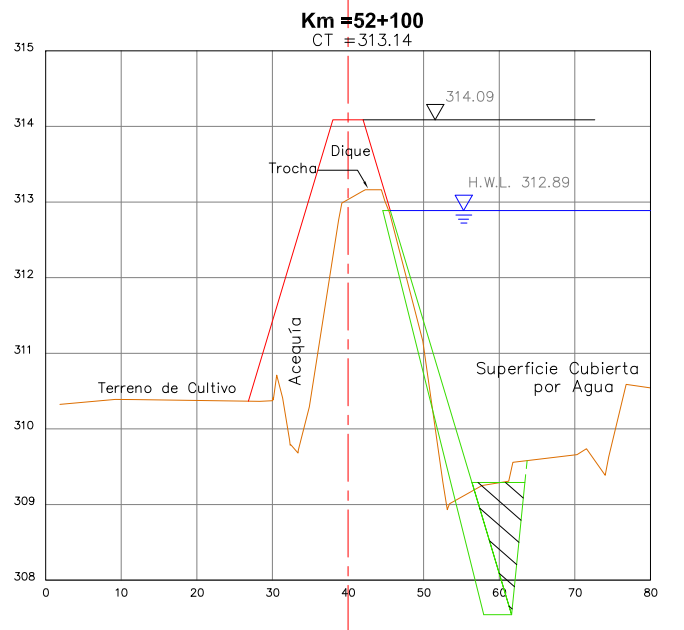
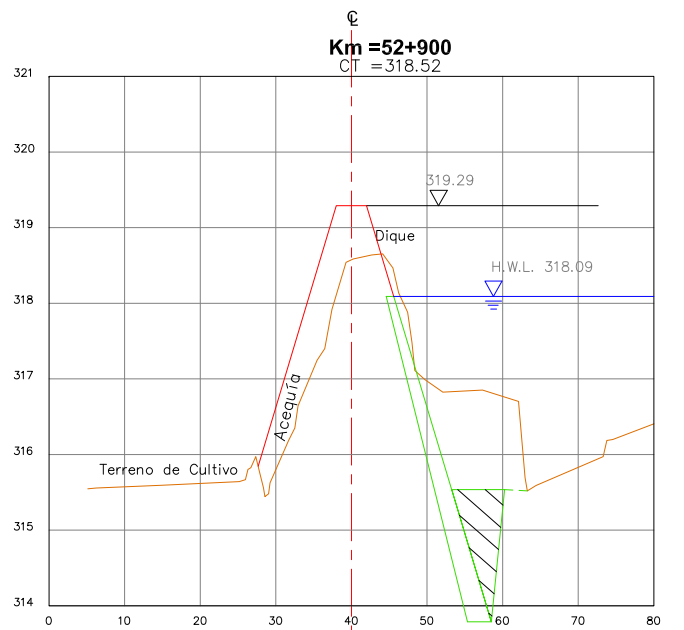
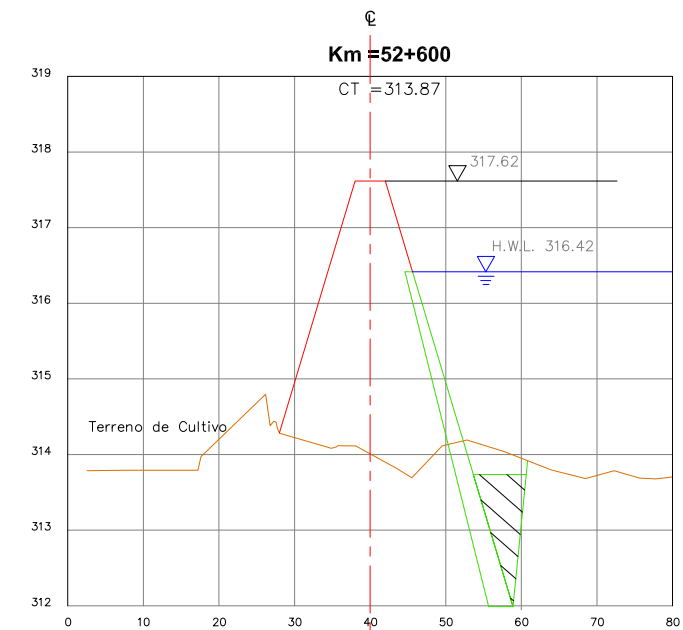
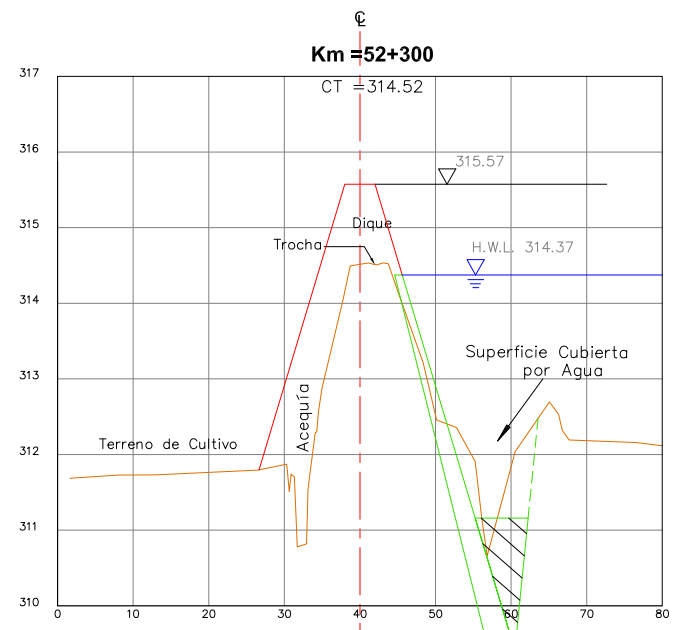
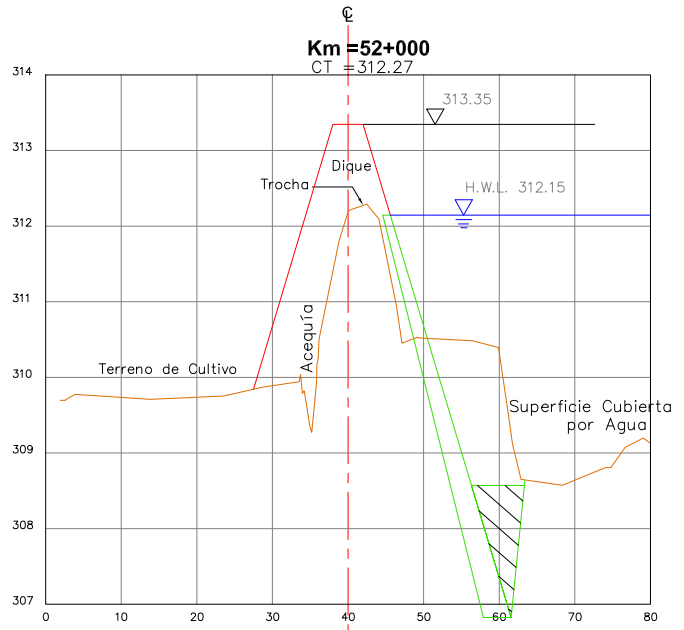
1:333.3 0 5 10 15 20 25 30

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

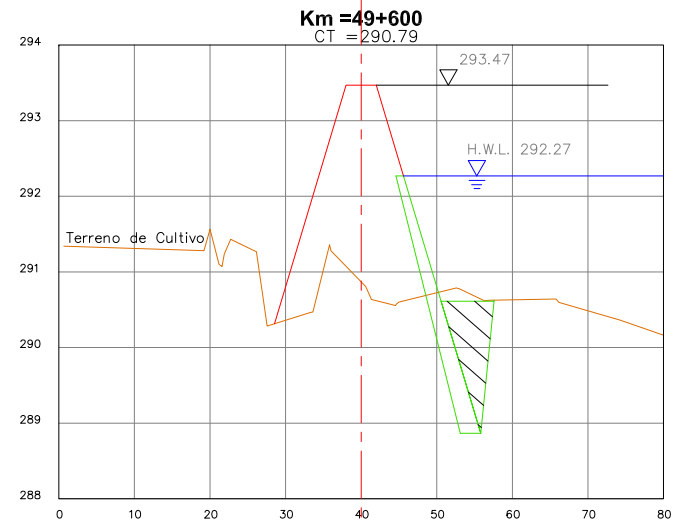
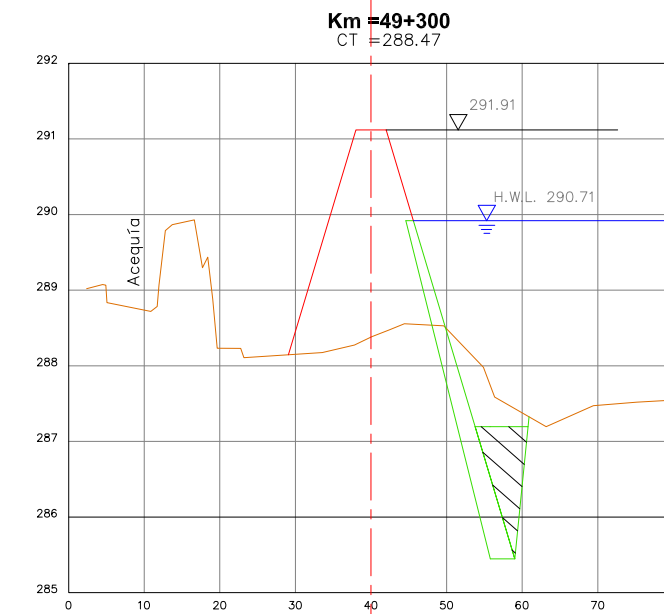
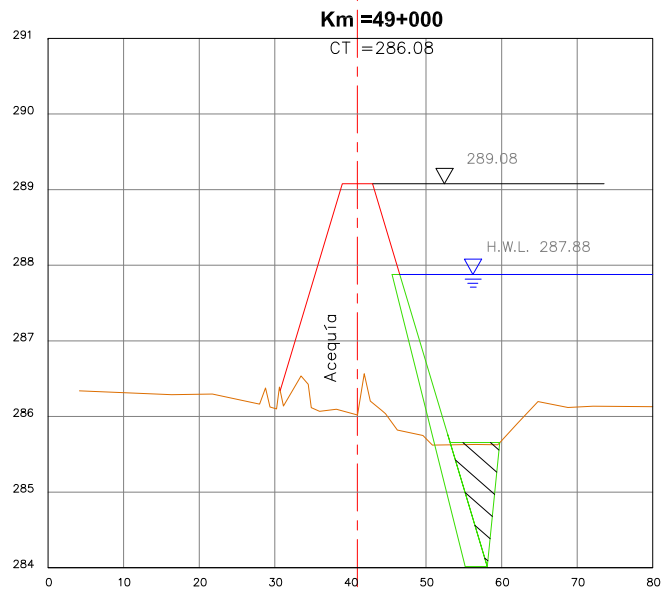
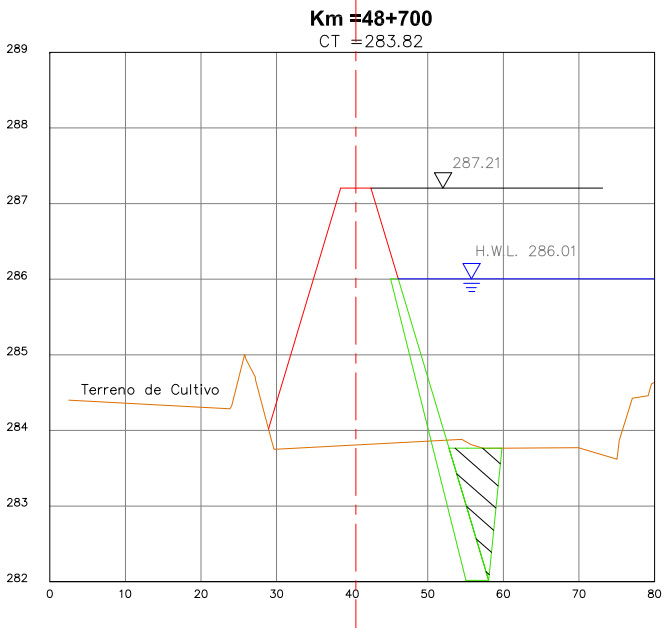
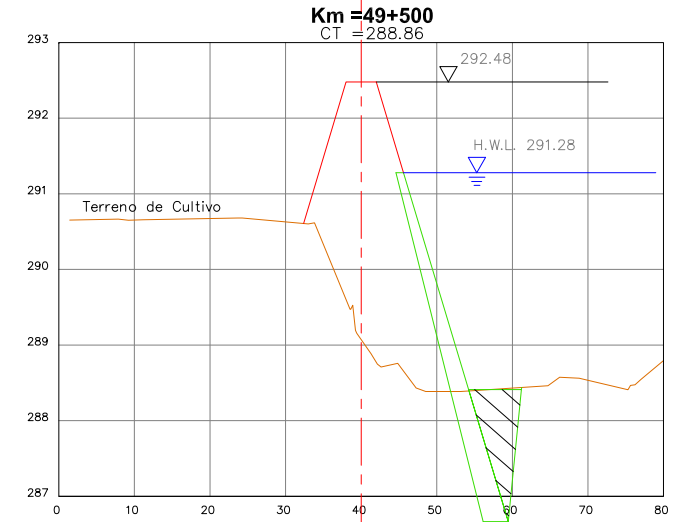
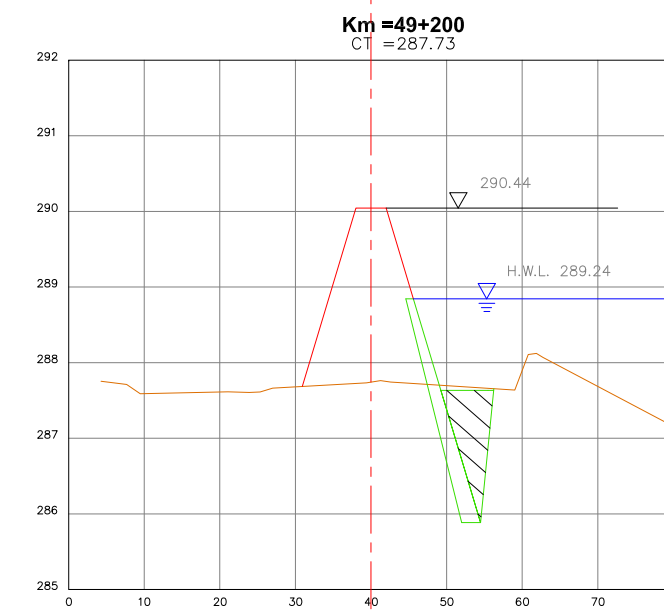
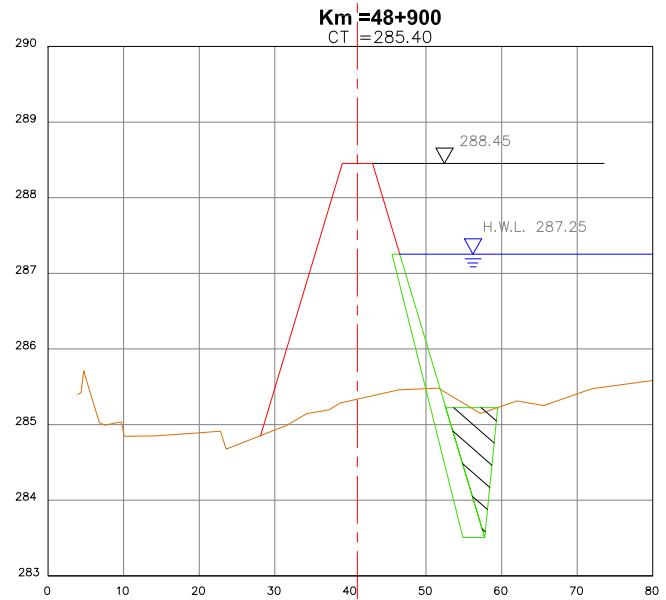
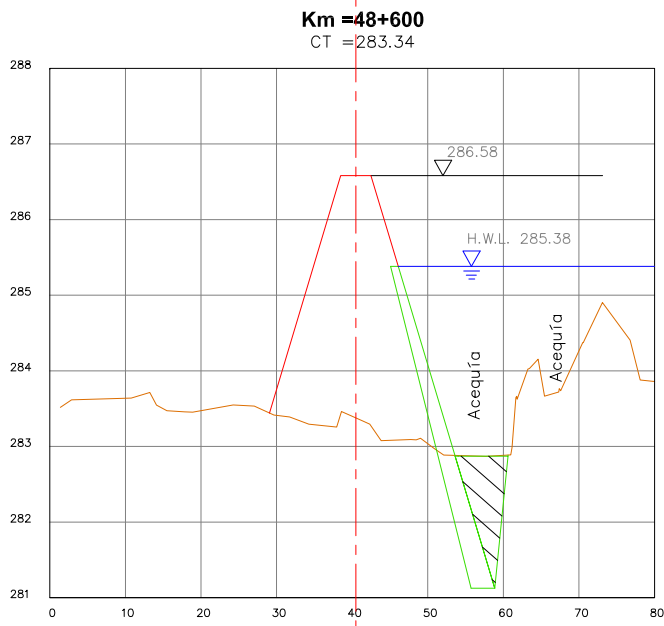
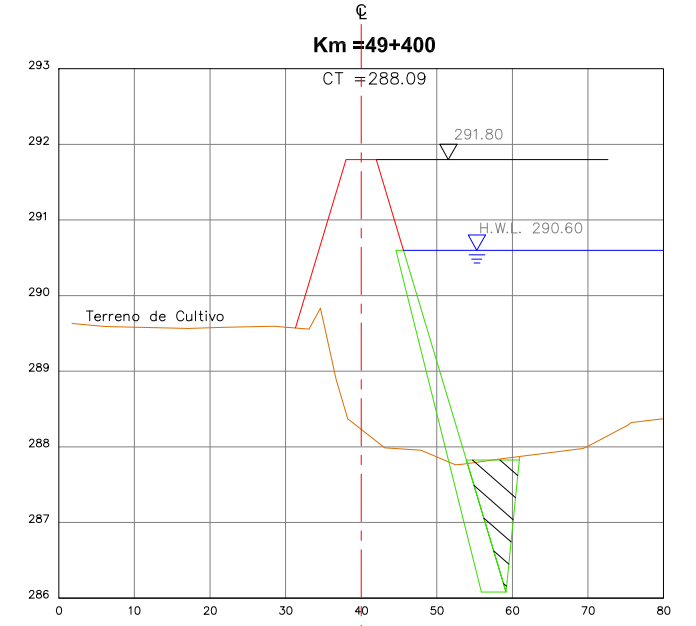
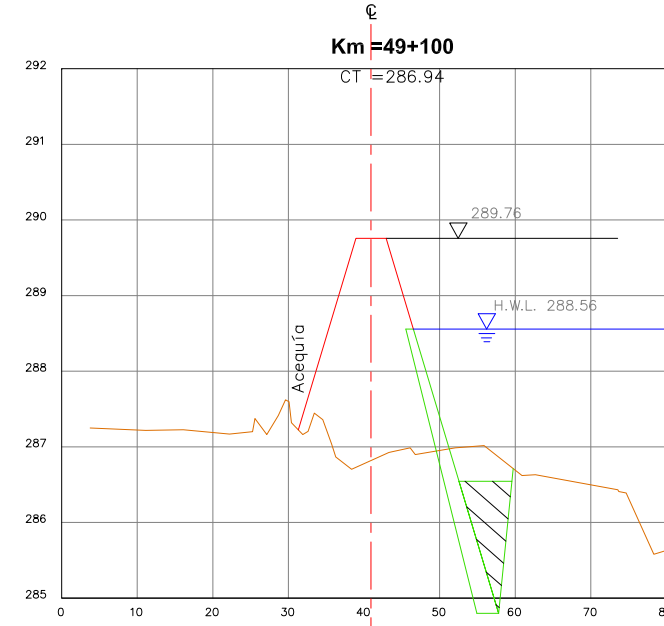
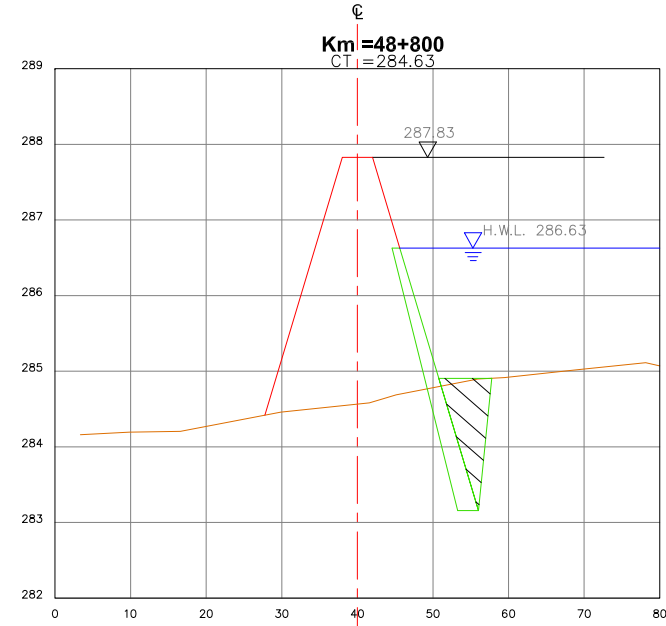
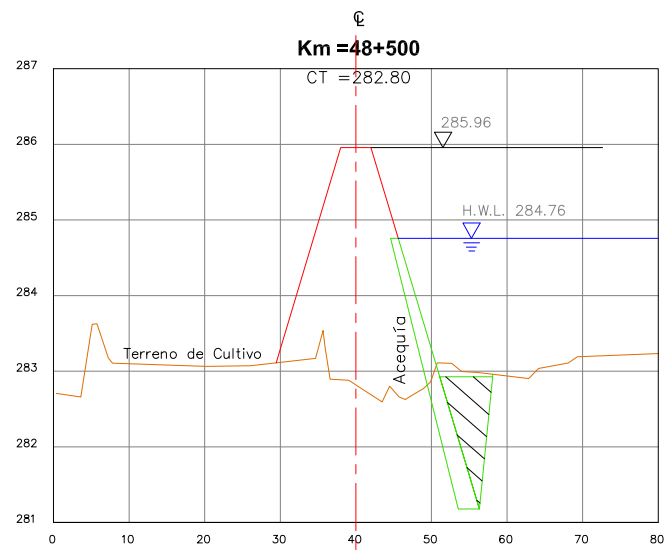
1:750 0 10 20 30 40 50 60



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



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

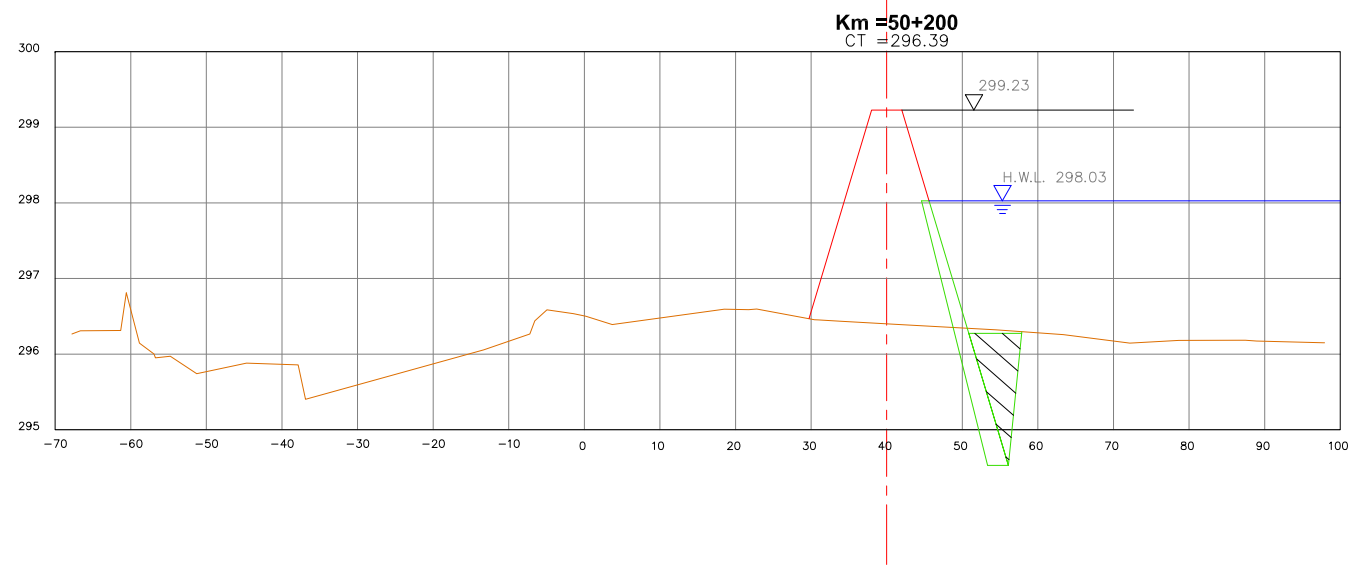
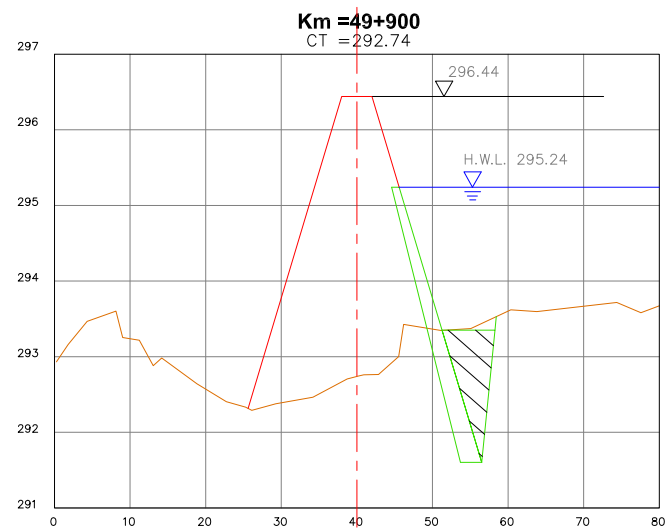
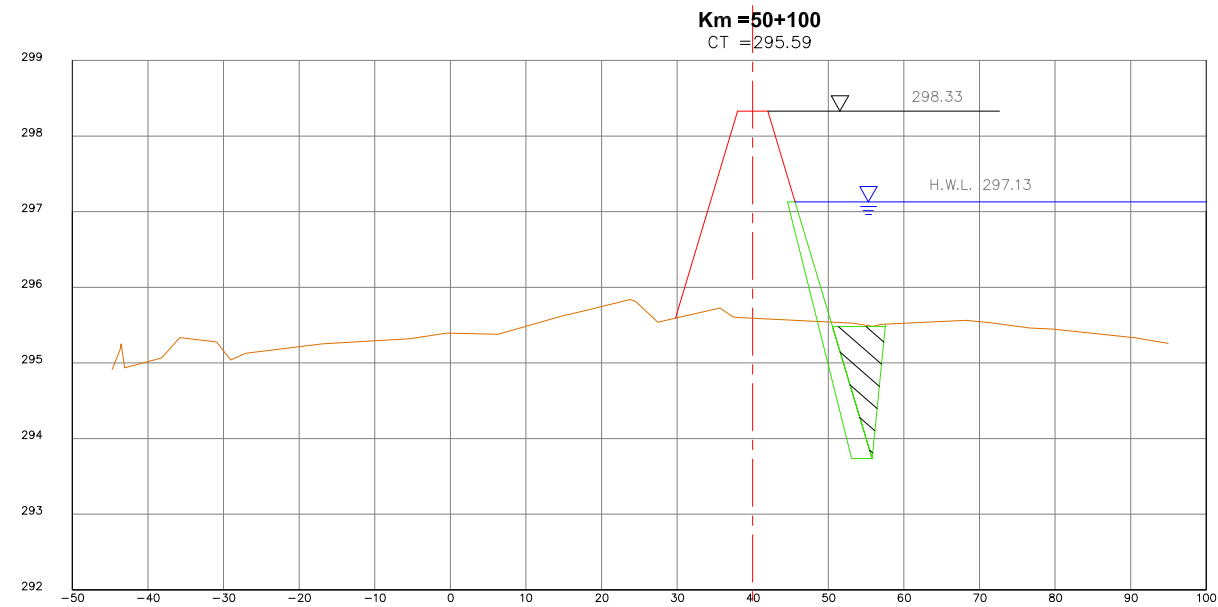
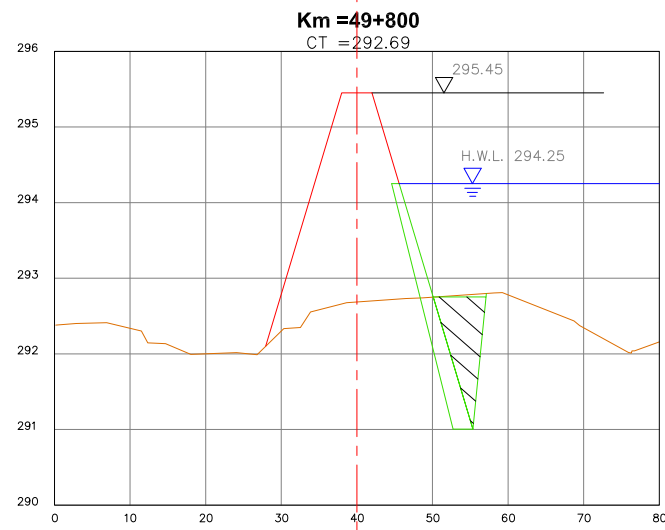
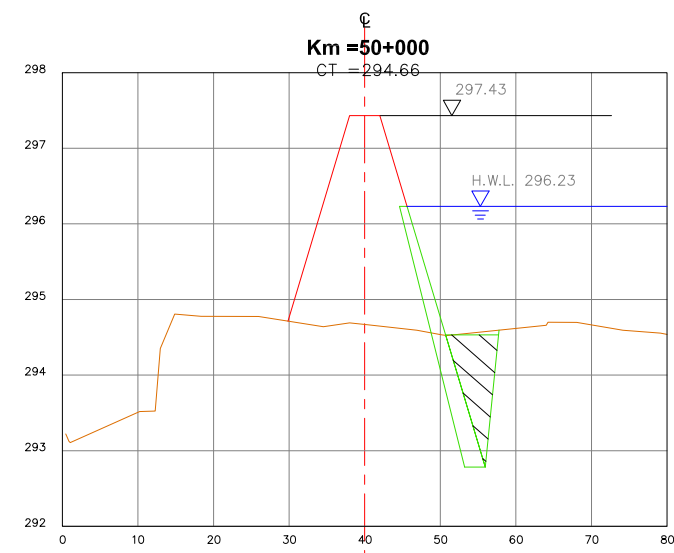
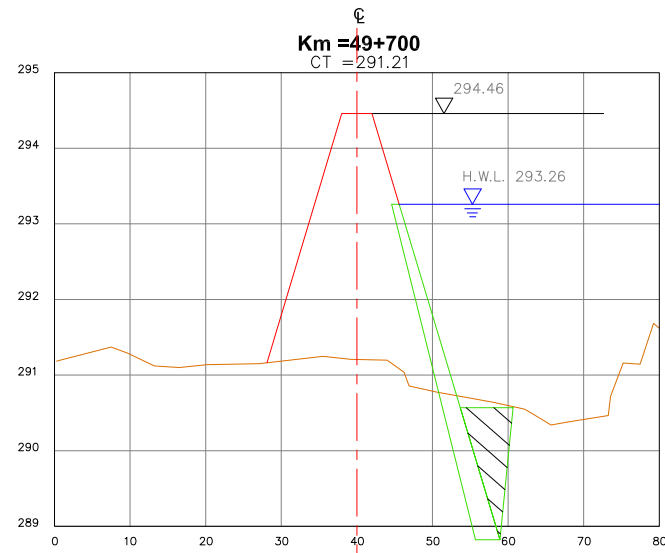
1:200 0 5 10 15

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

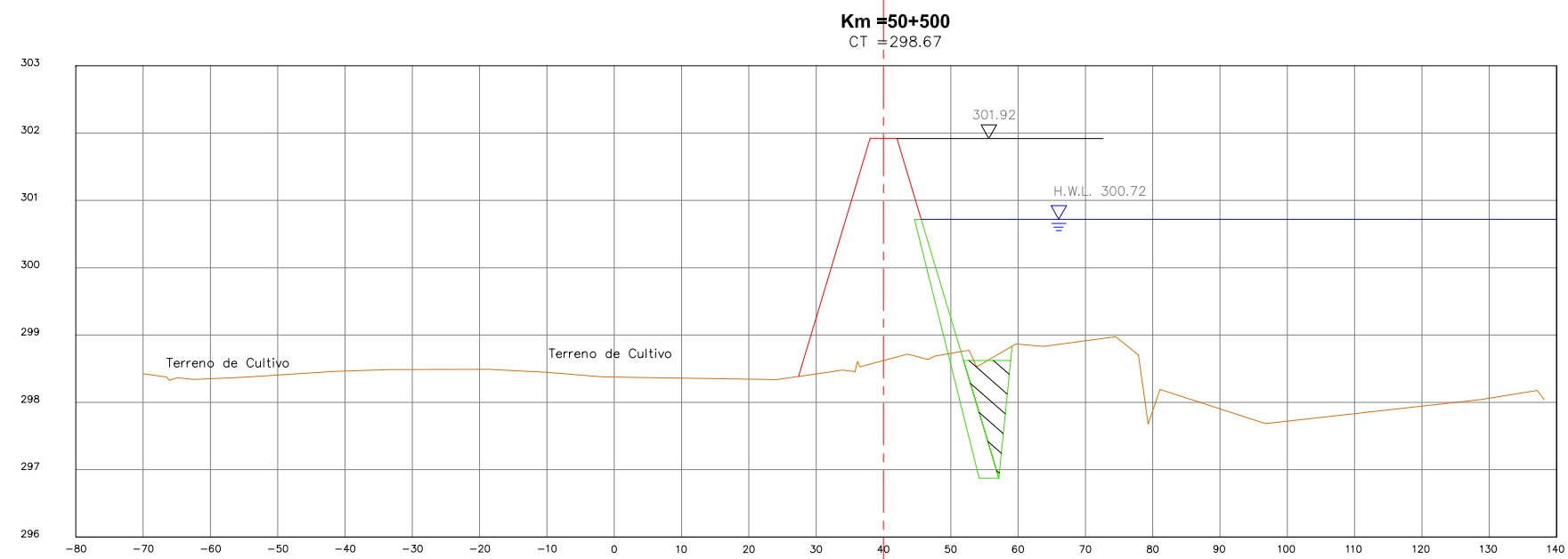
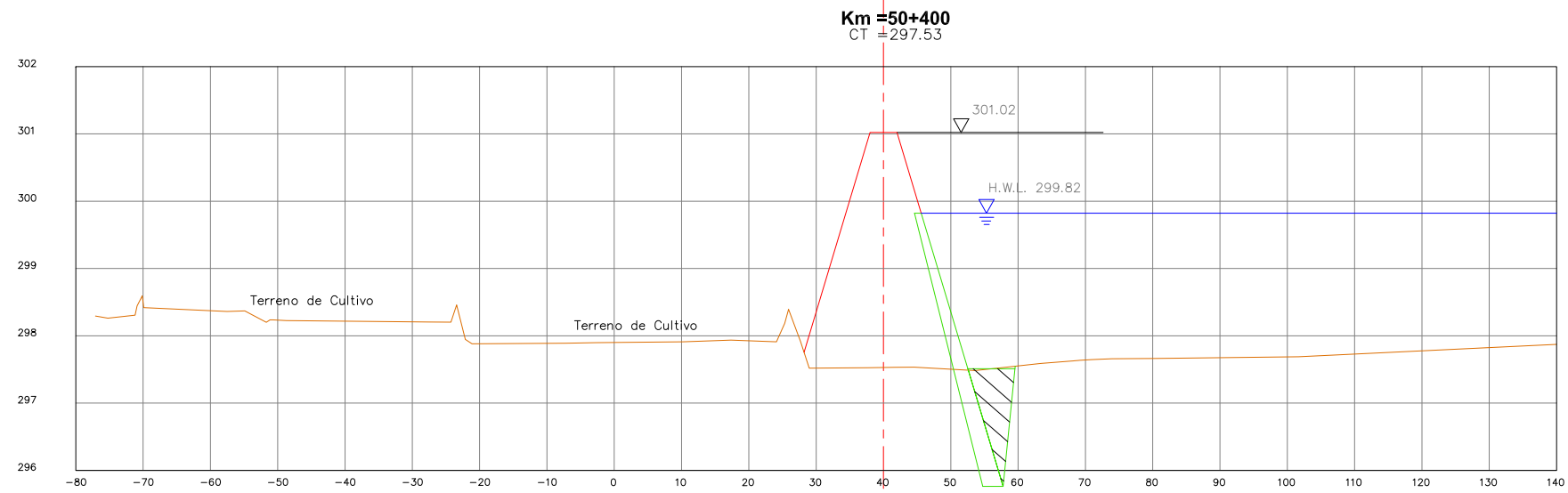
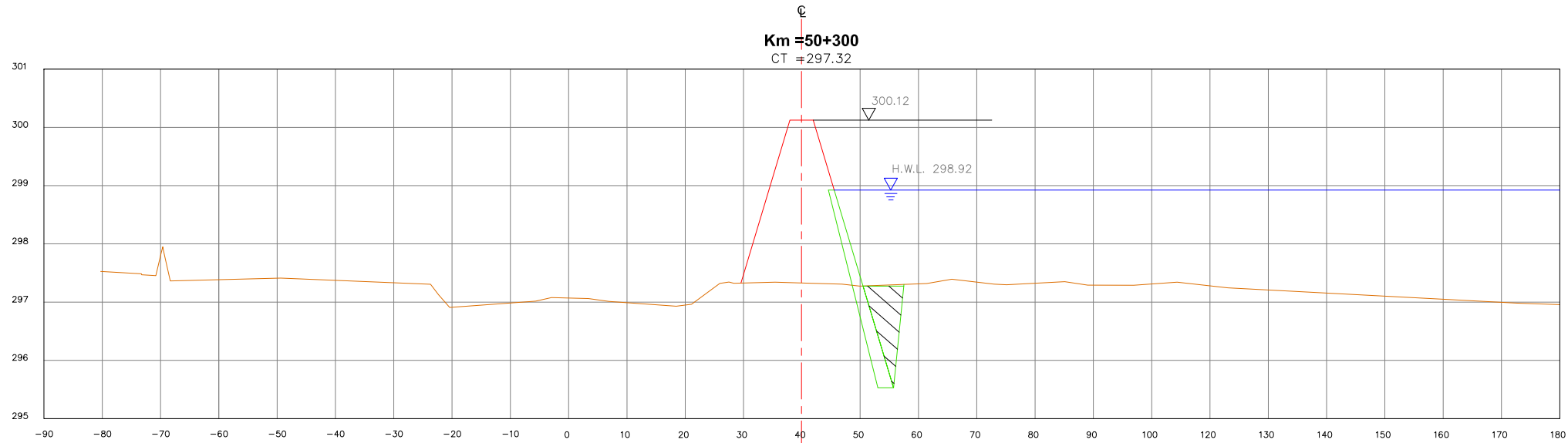
1:200 0 5 10 15

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.

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

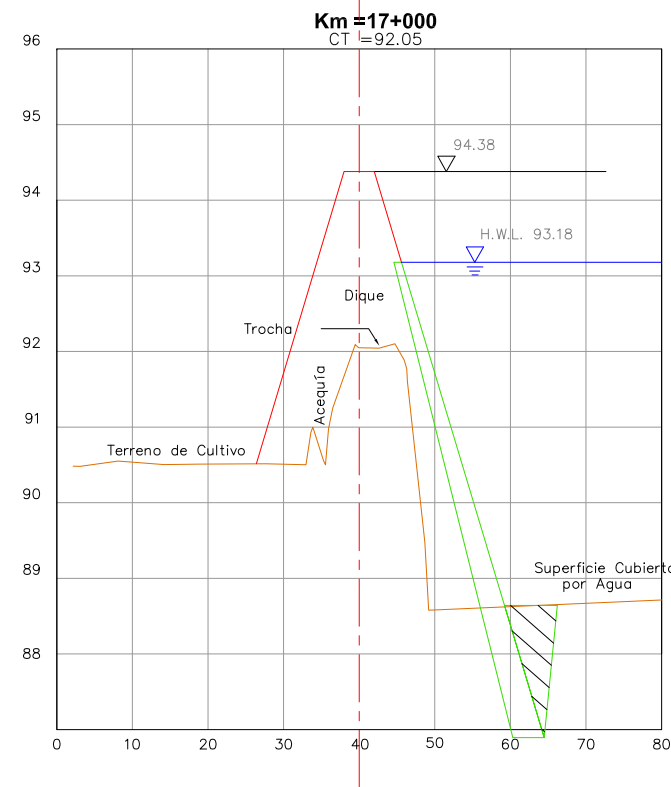
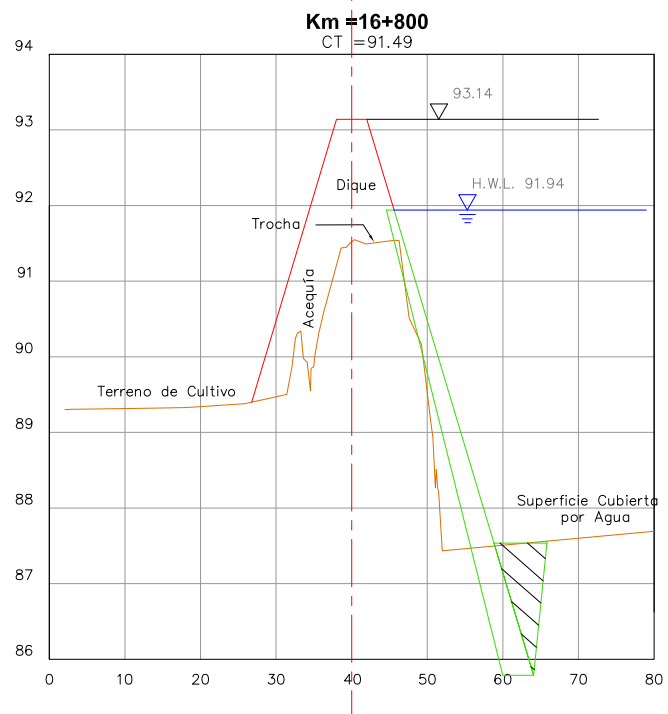
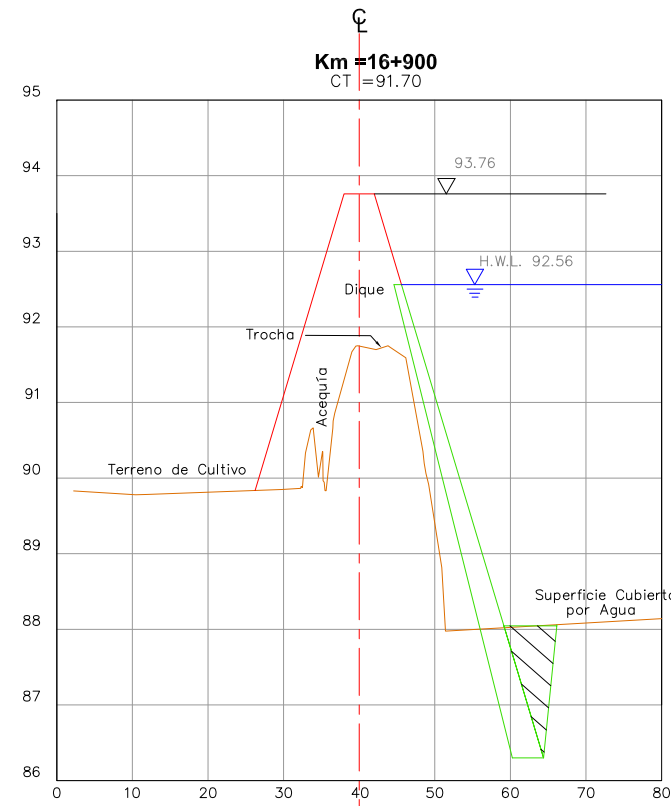
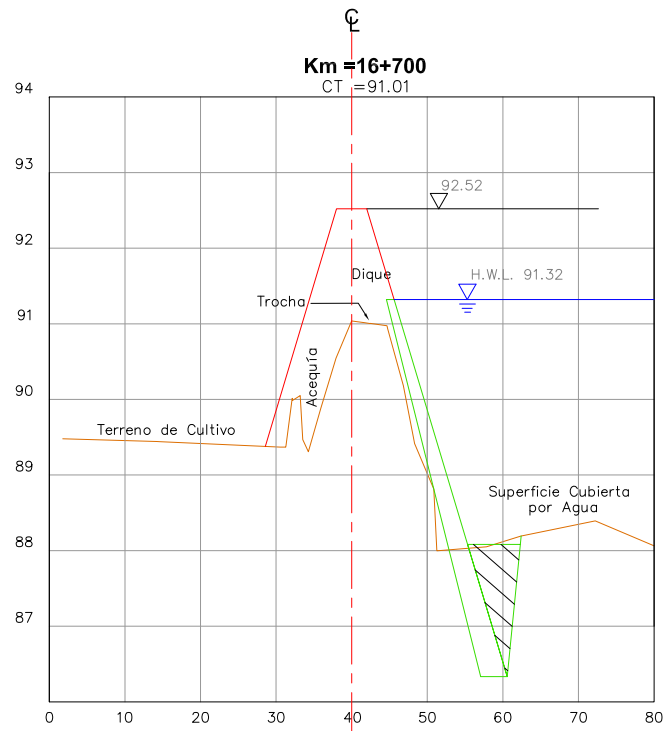
1:200 0 5 10 15

1:250 0 5 10 15 20

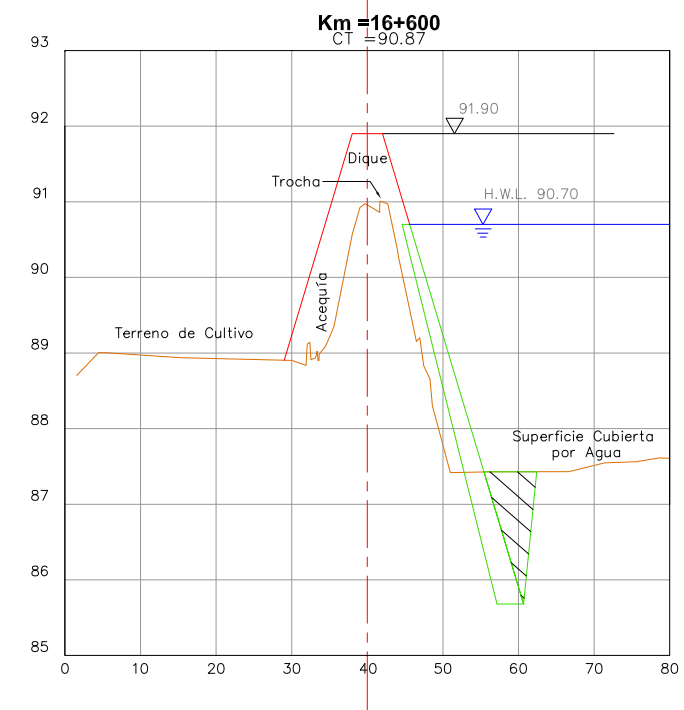
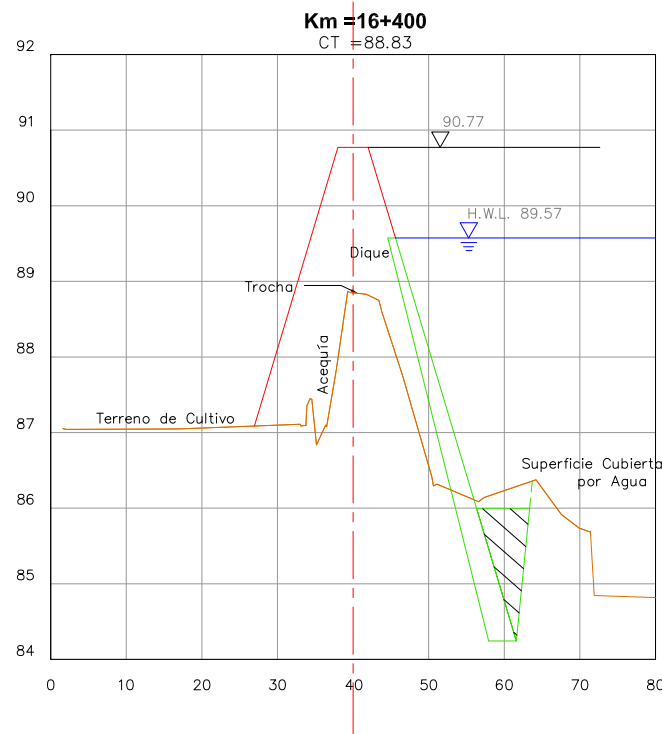
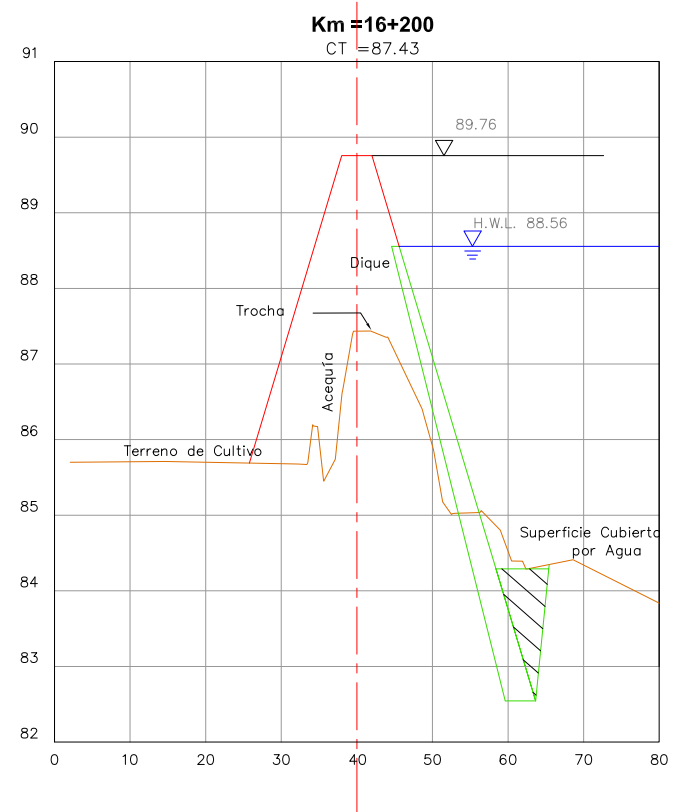
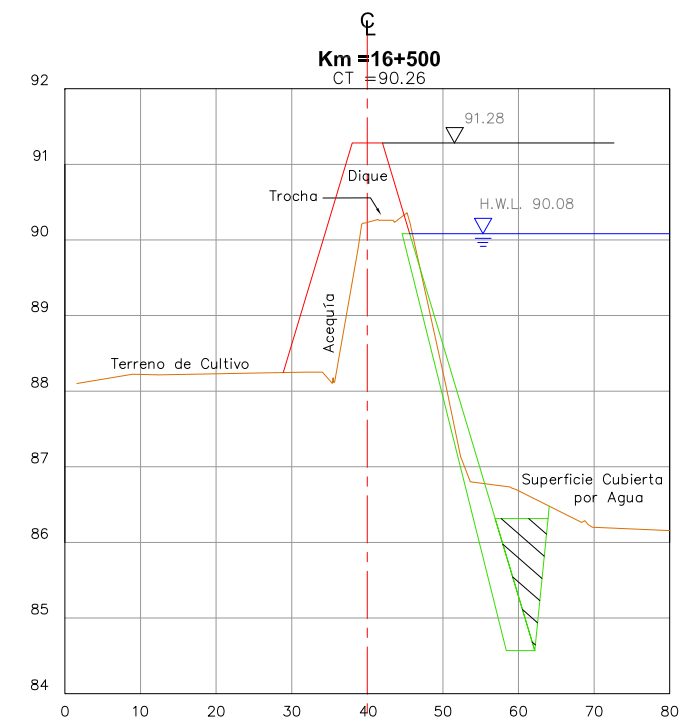
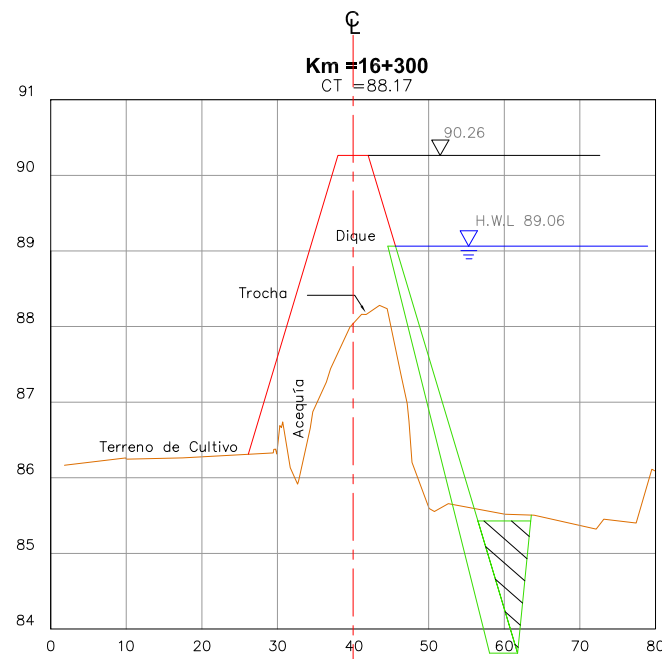
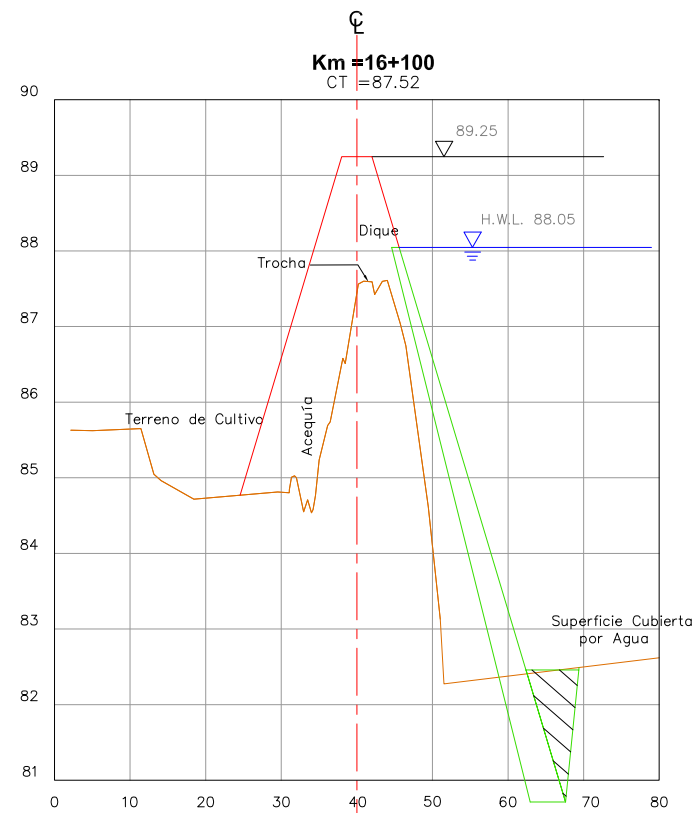
1:333.3 0 5 10 15 20 25 30

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

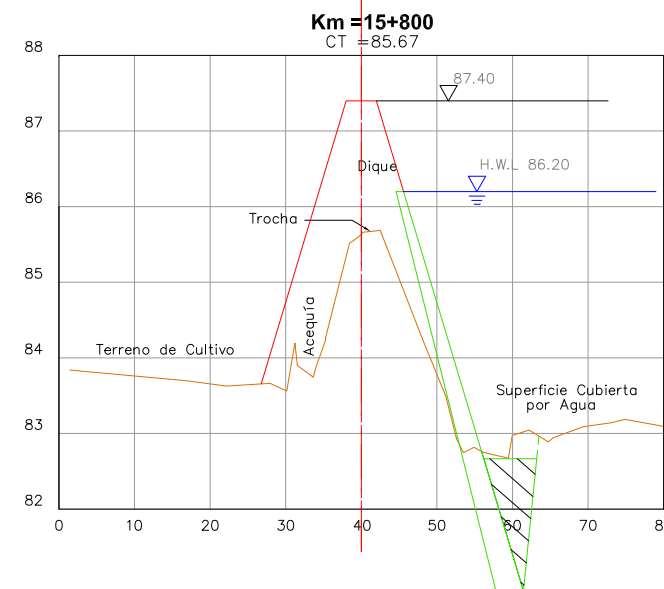
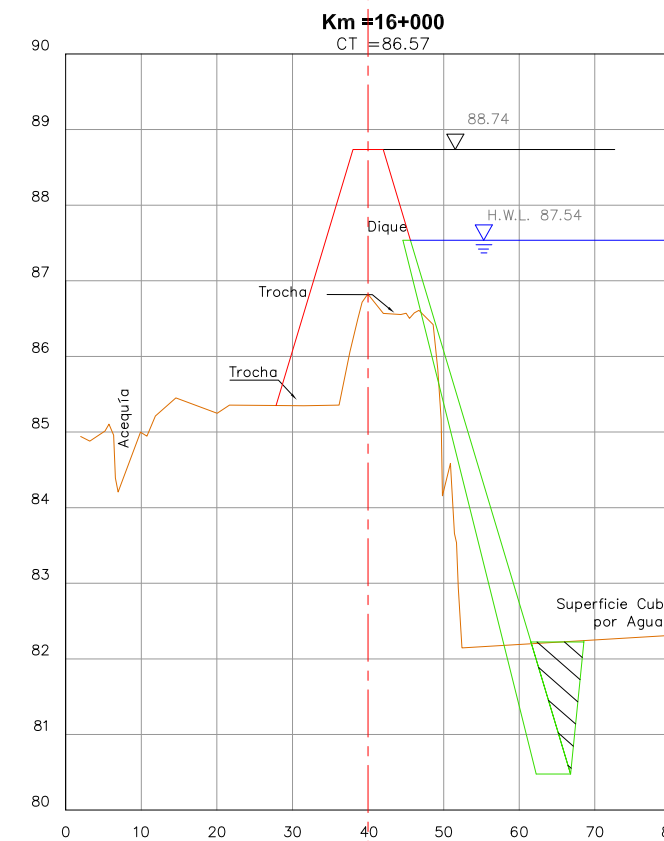
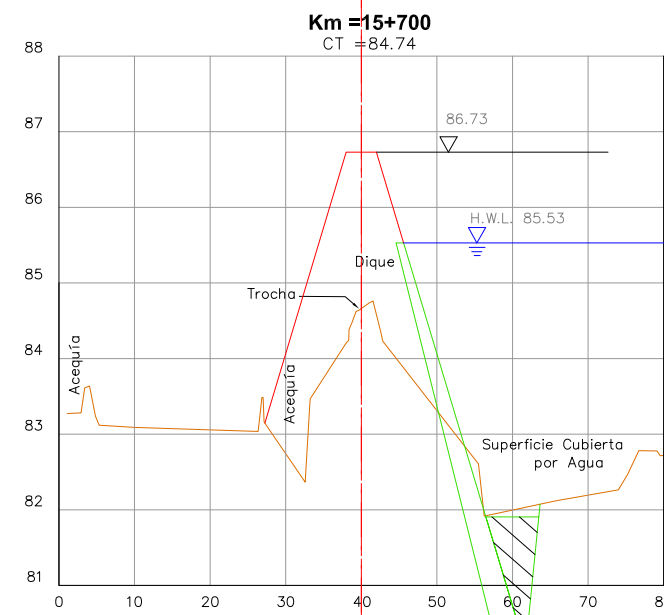
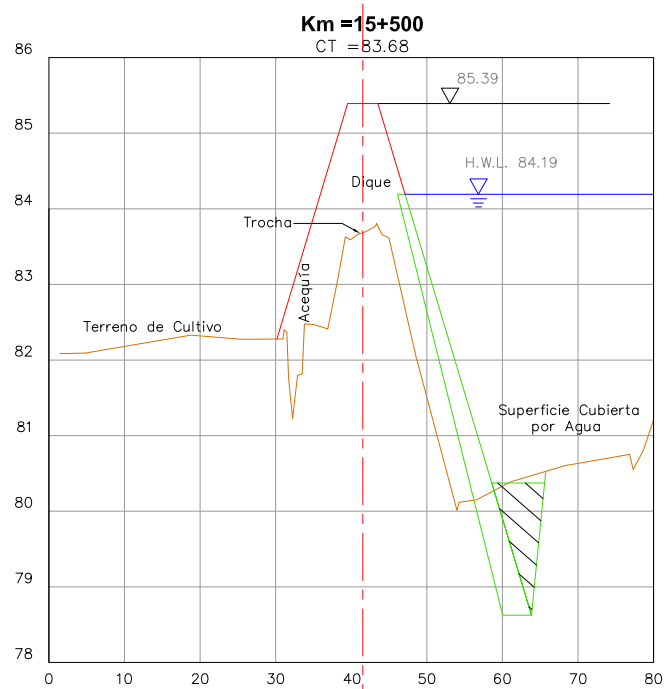
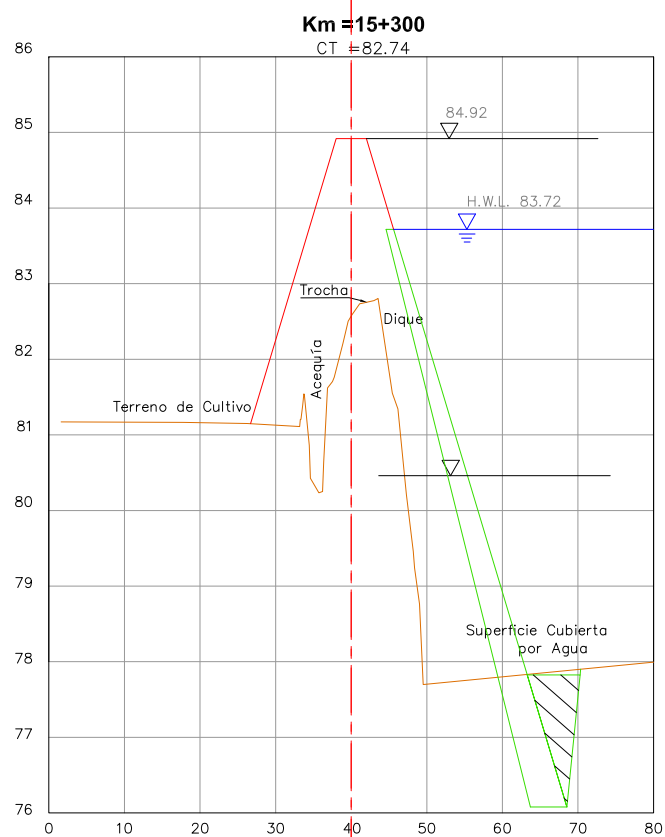
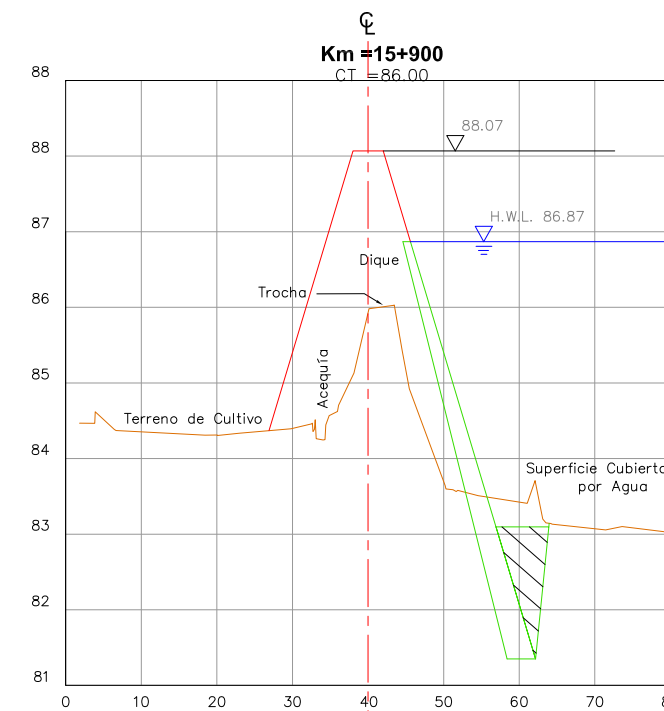
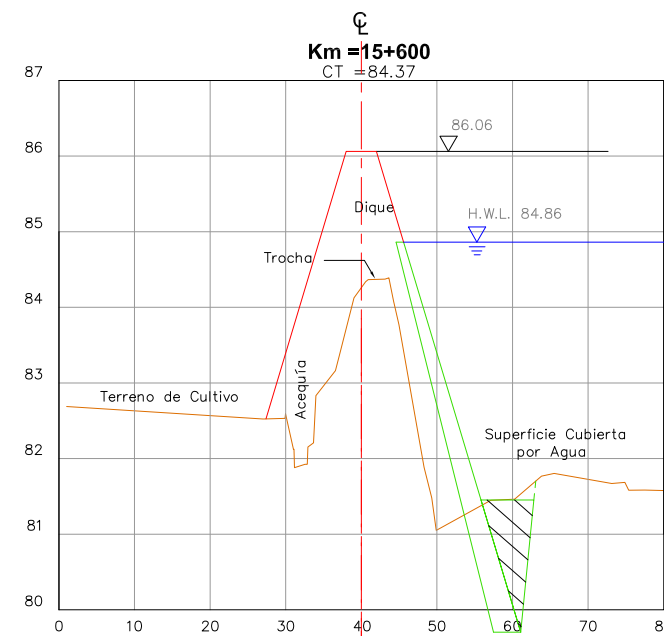
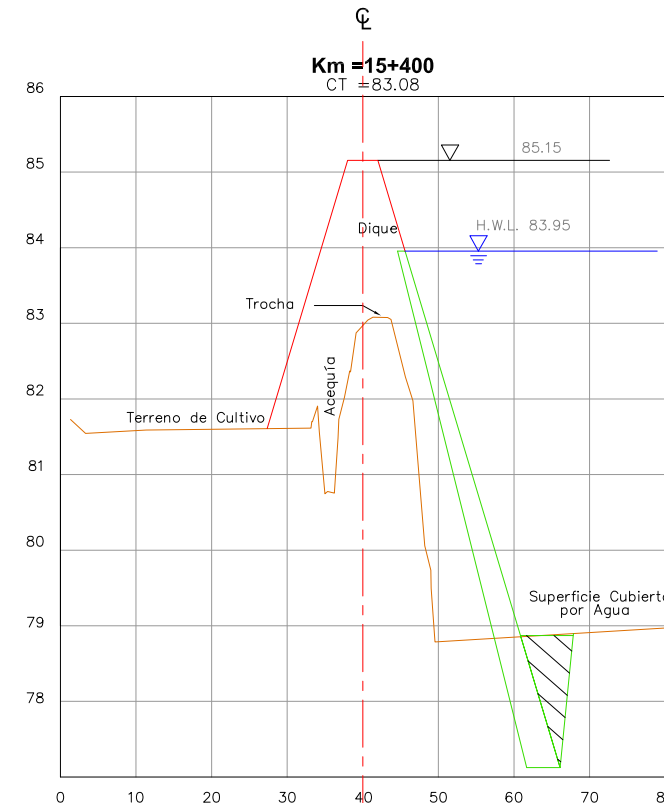
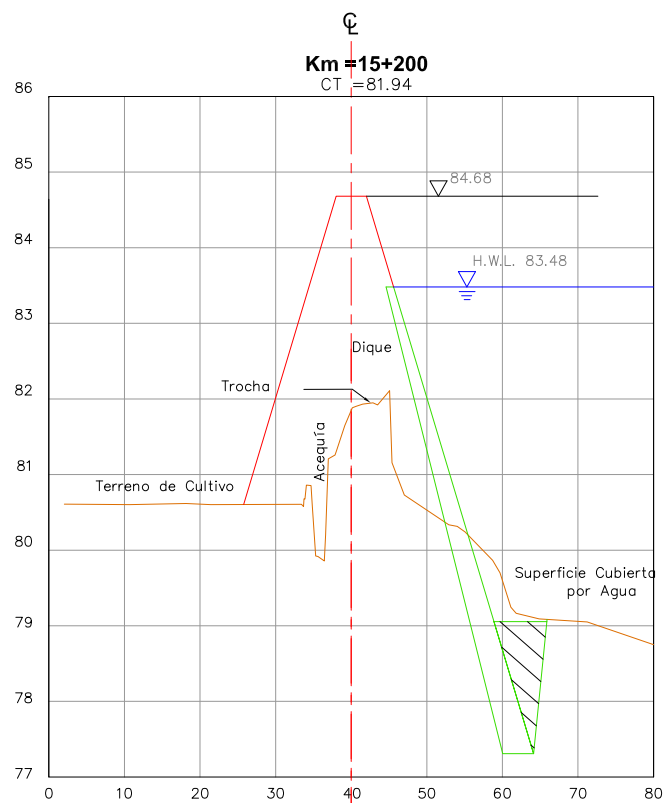
1:750 0 10 20 30 40 50 60



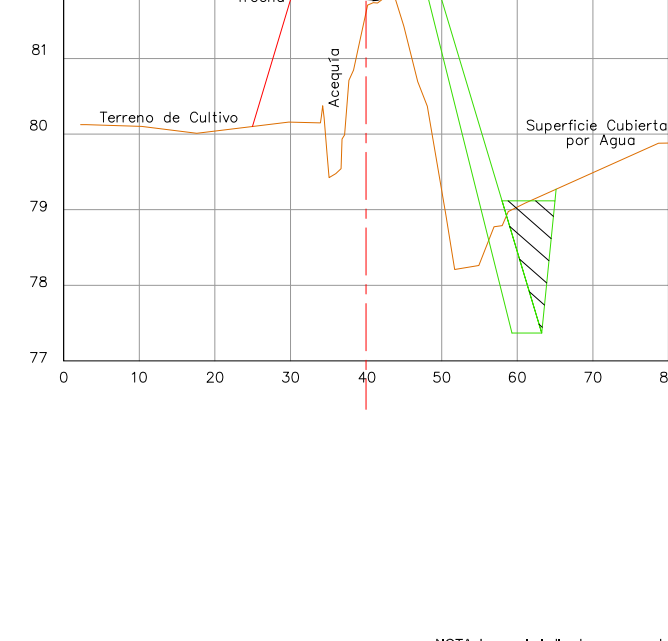
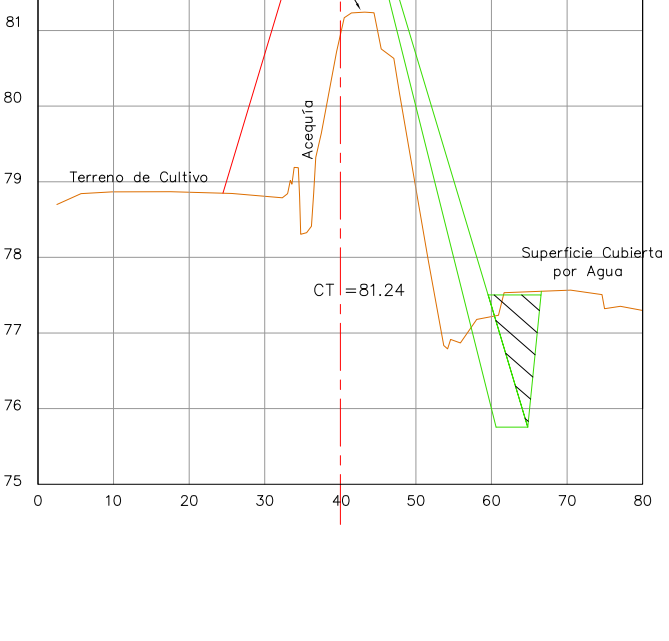
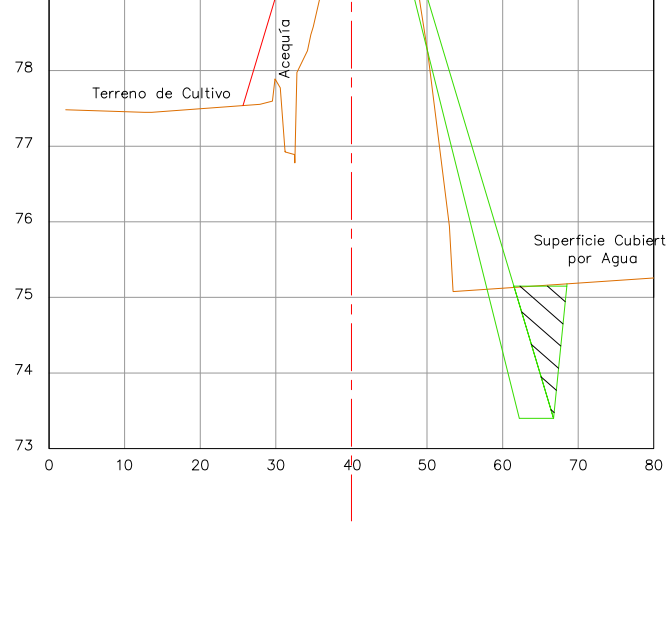
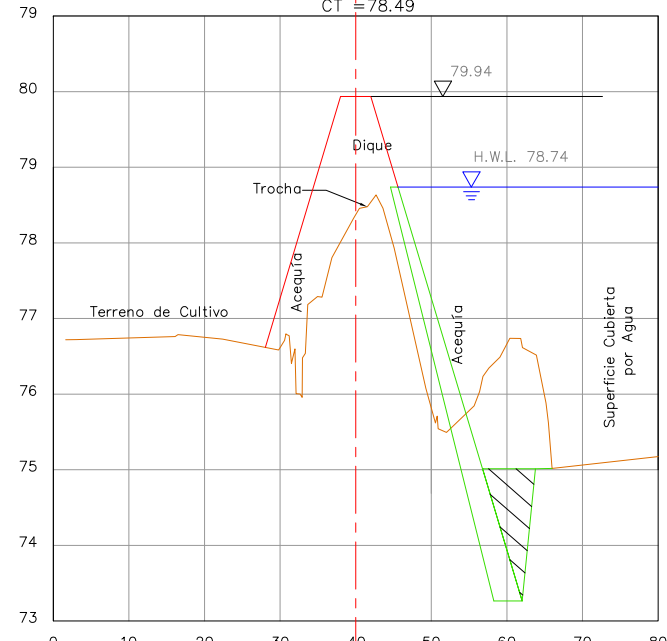
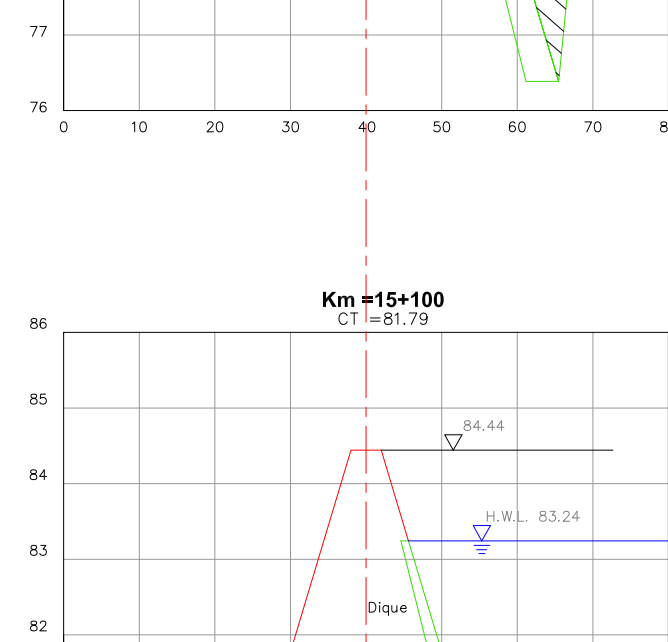
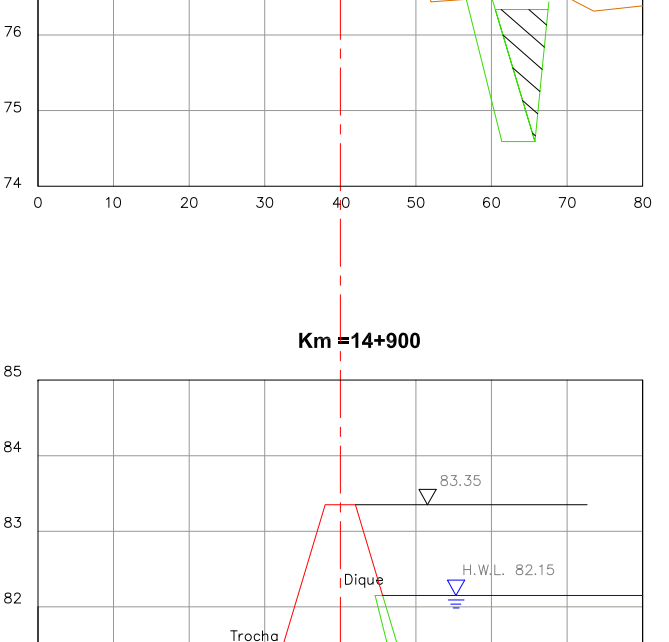
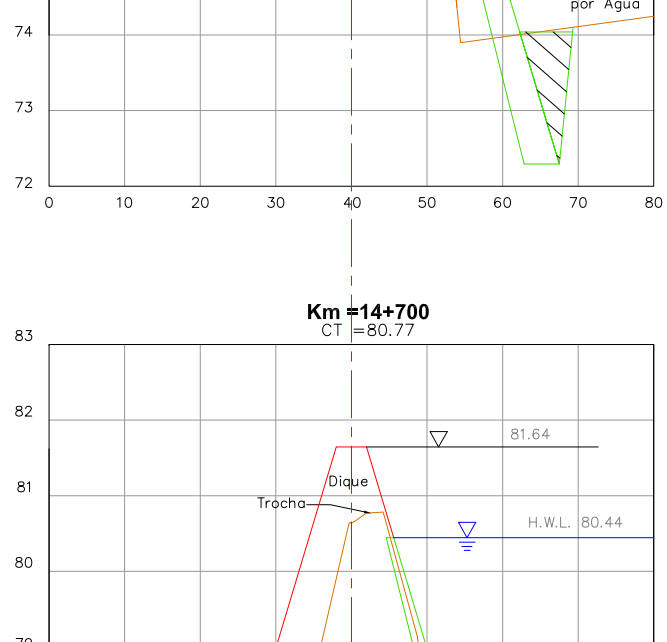
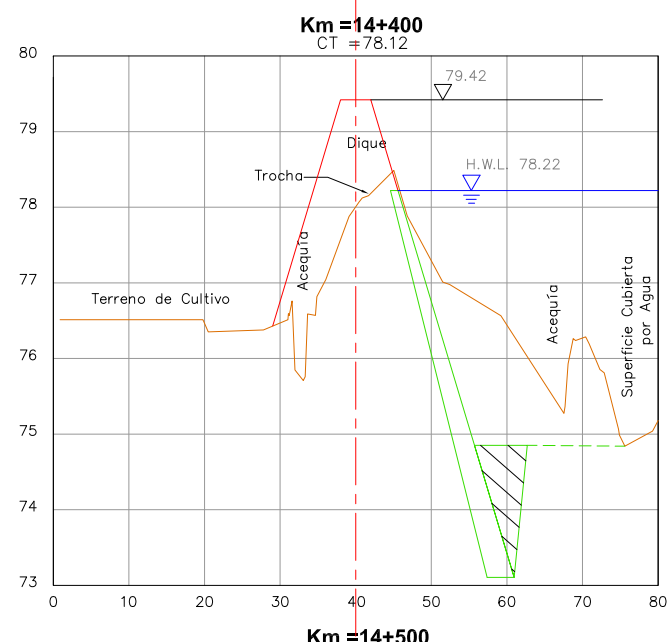
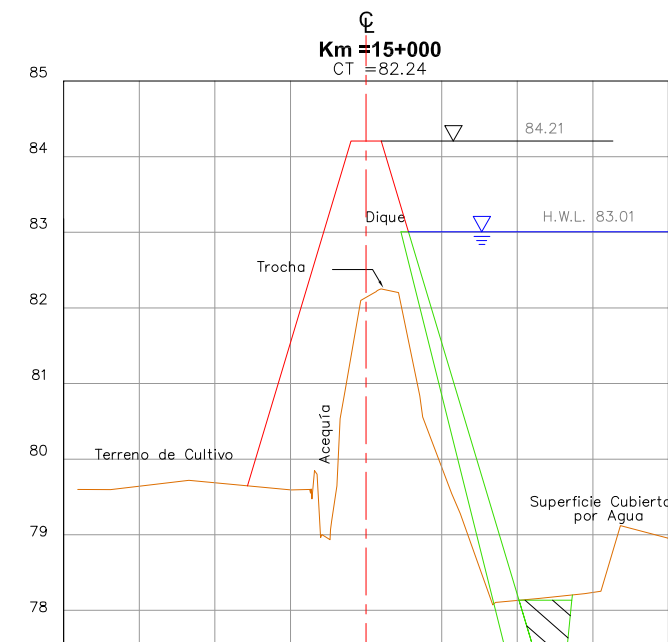
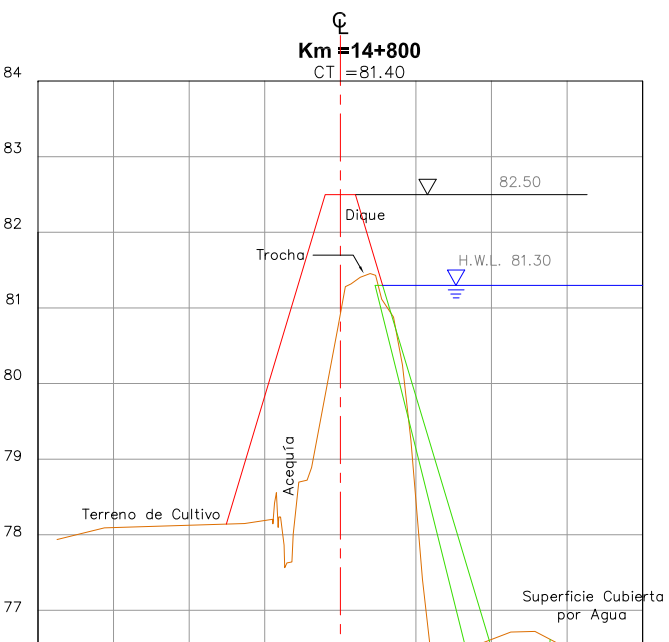
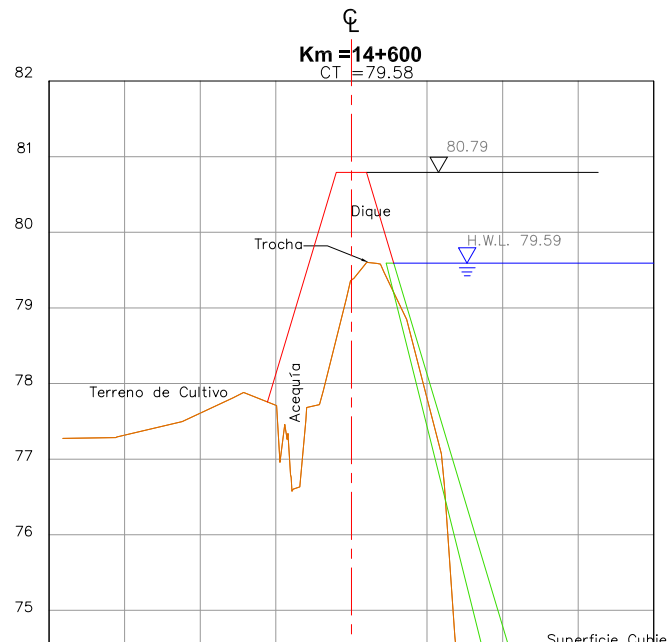
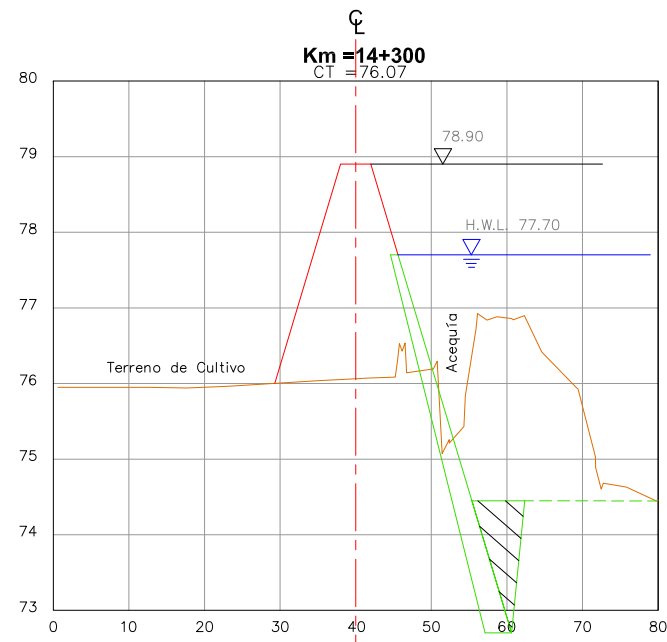
NOTA: La escala indicada, corresponde al formato A-1 Para el Formato A-3, se debe considerar el doble.



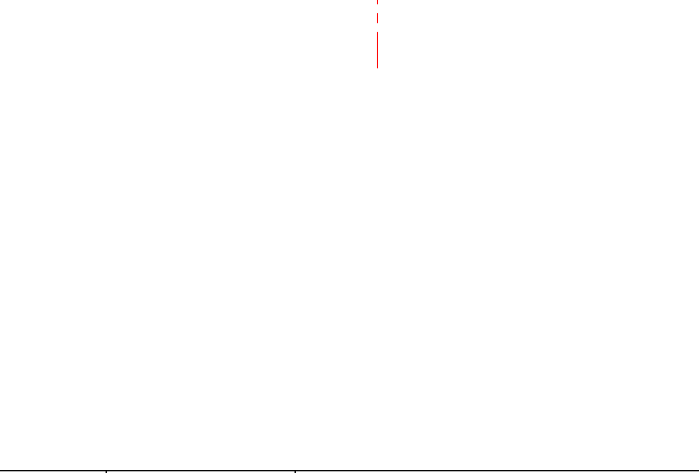
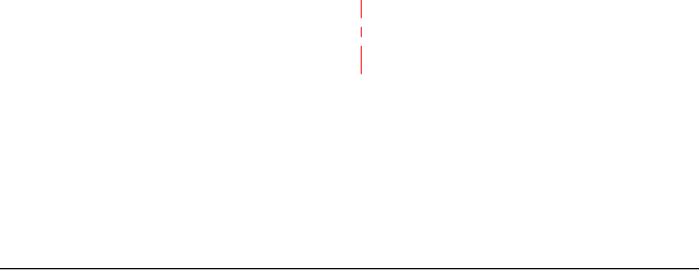
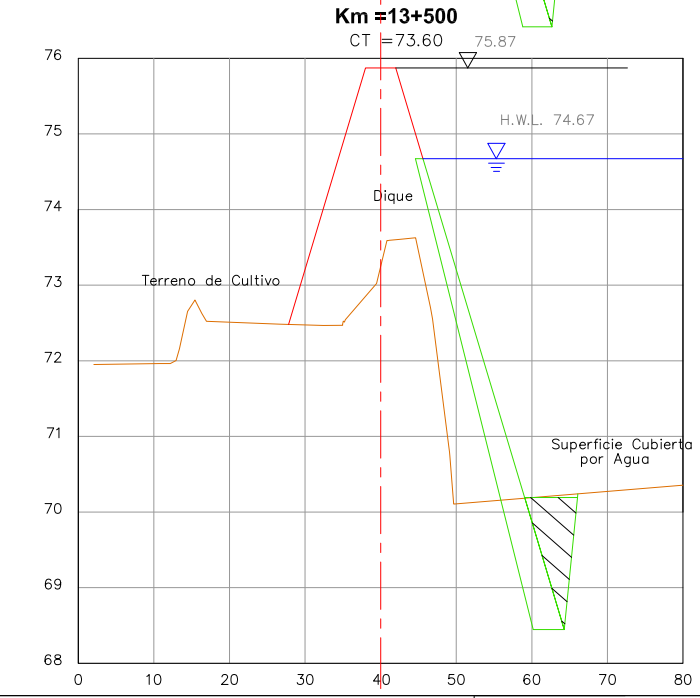
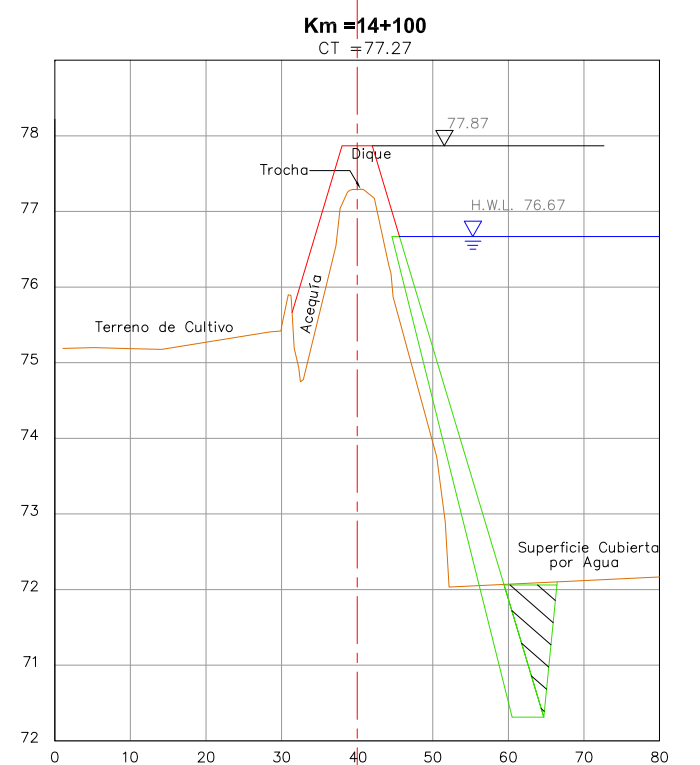
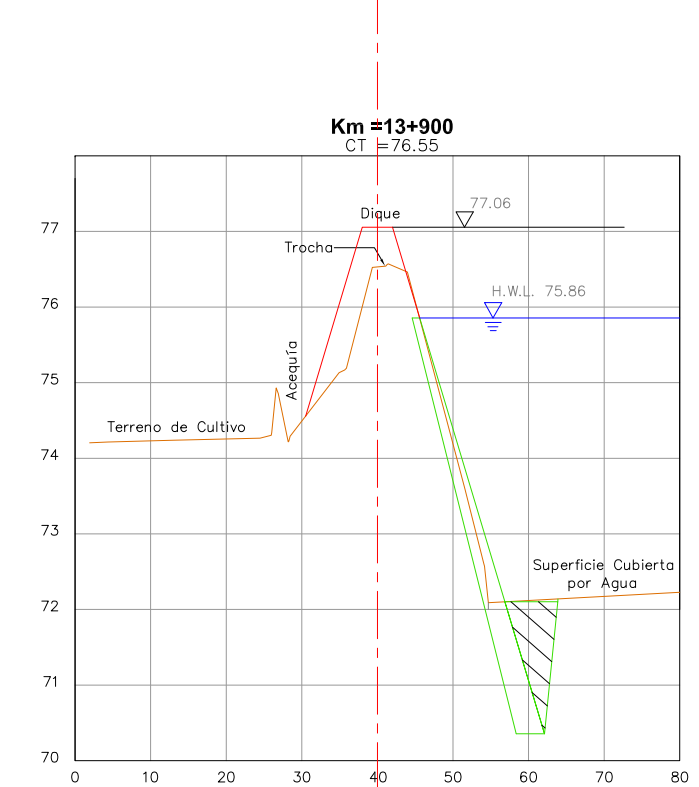
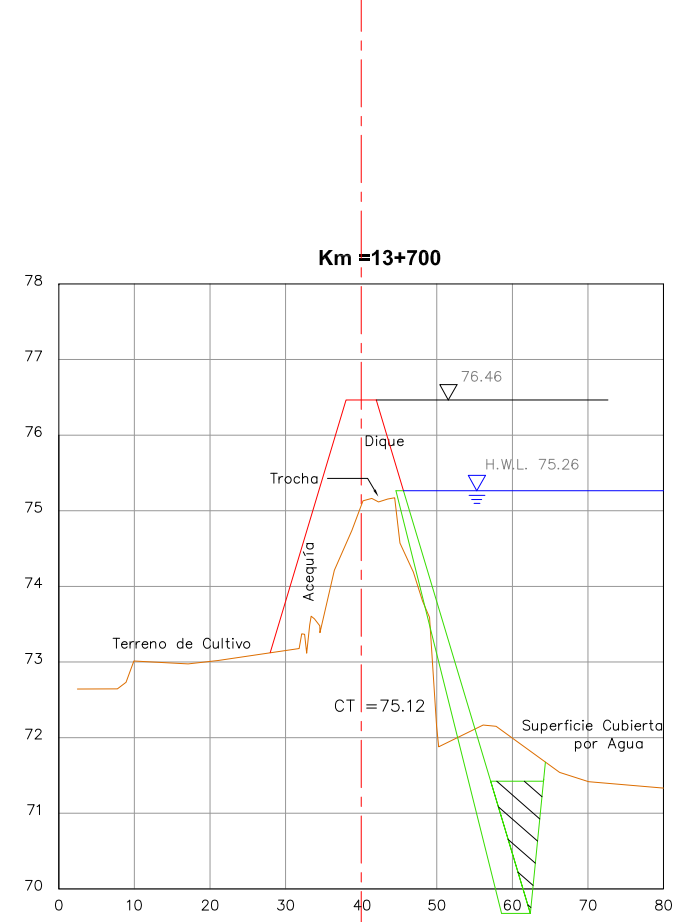
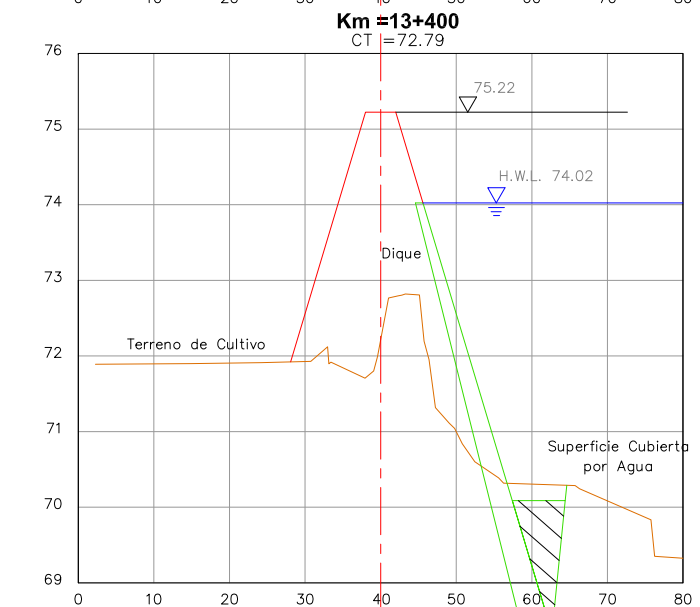
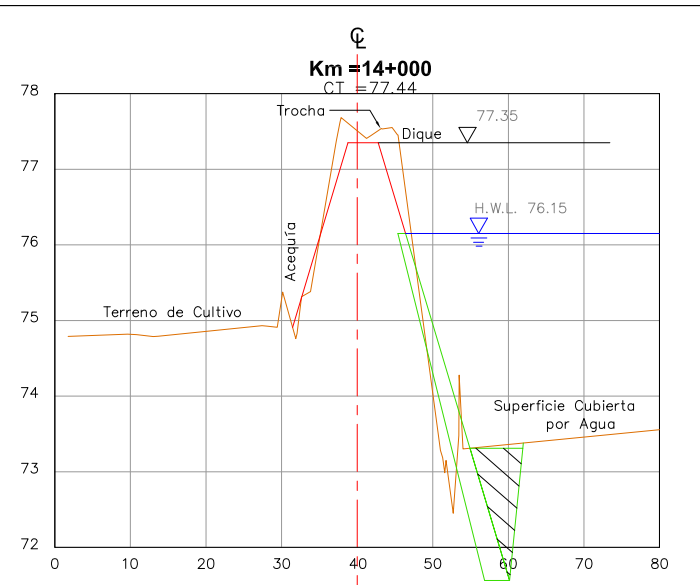
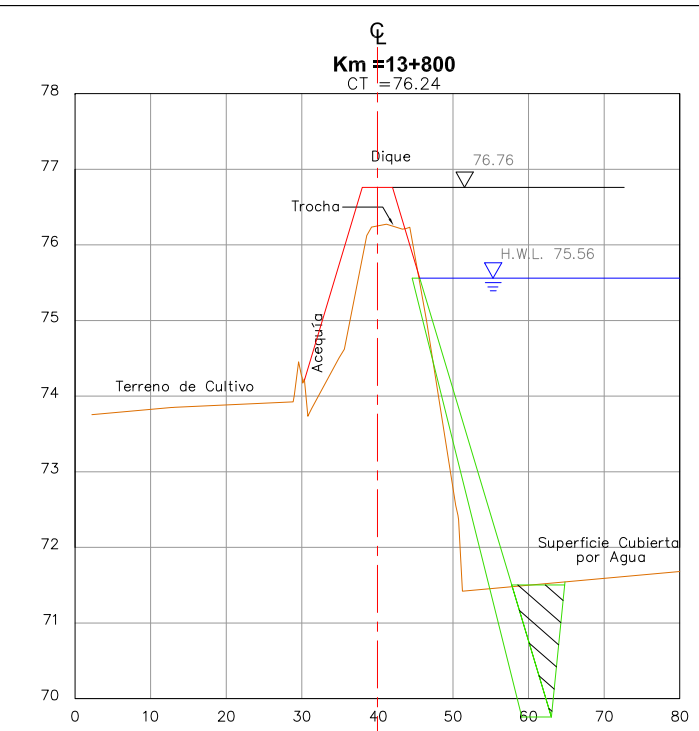
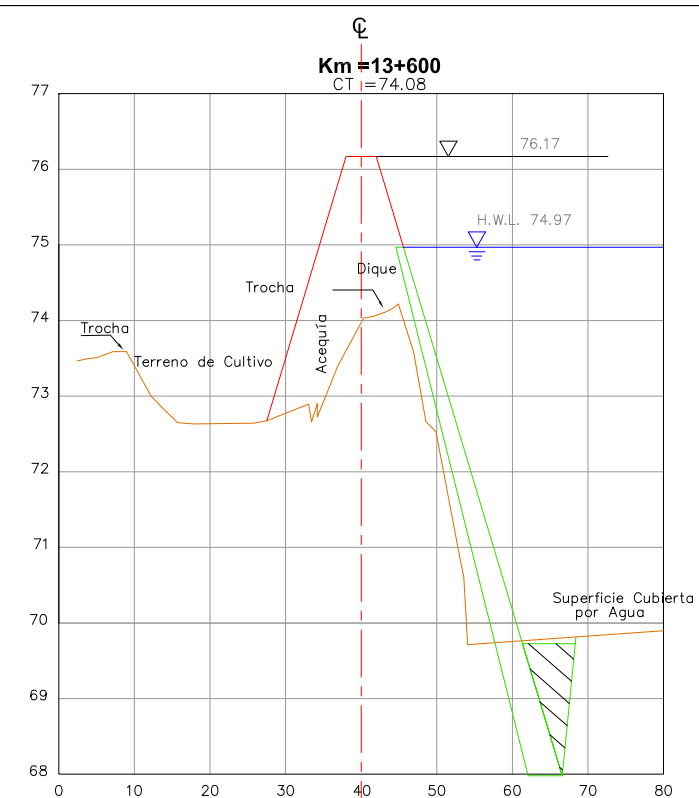
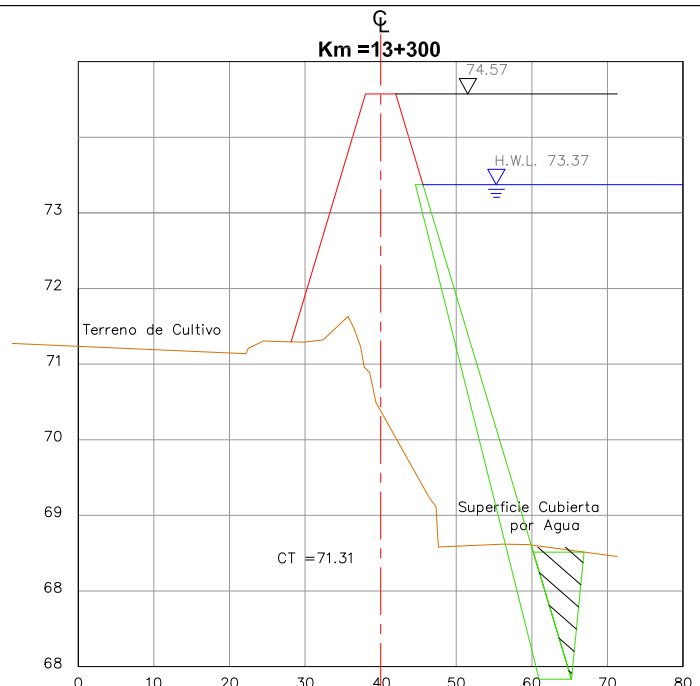
NOTA: La escala indicada, corresponde al formato A-1 Para el Formato A-3, se debe considerar el doble.



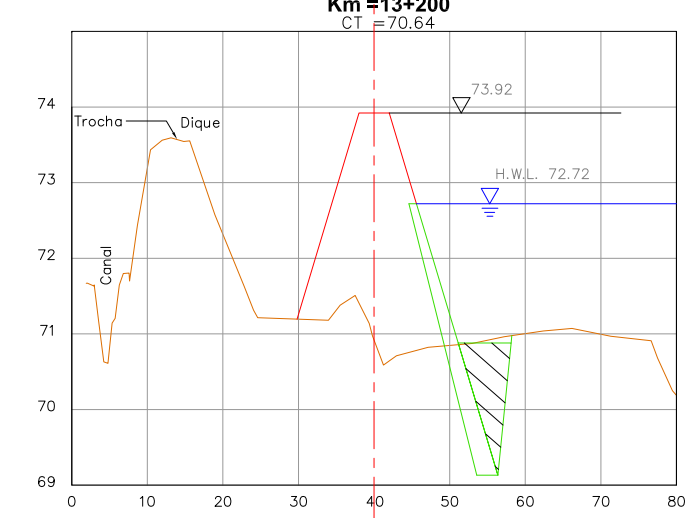
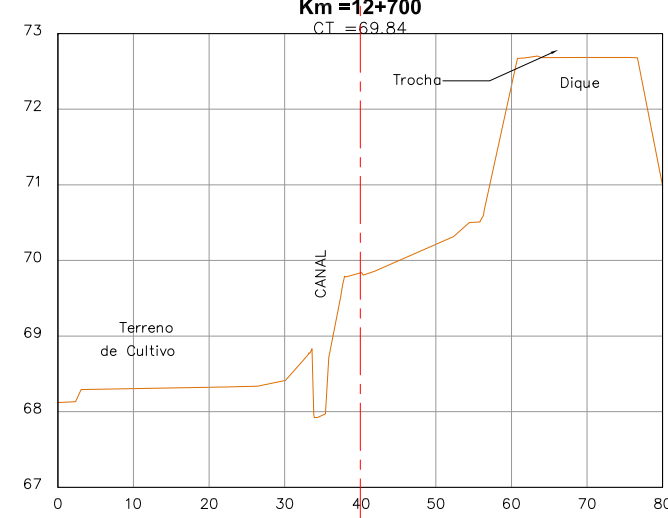
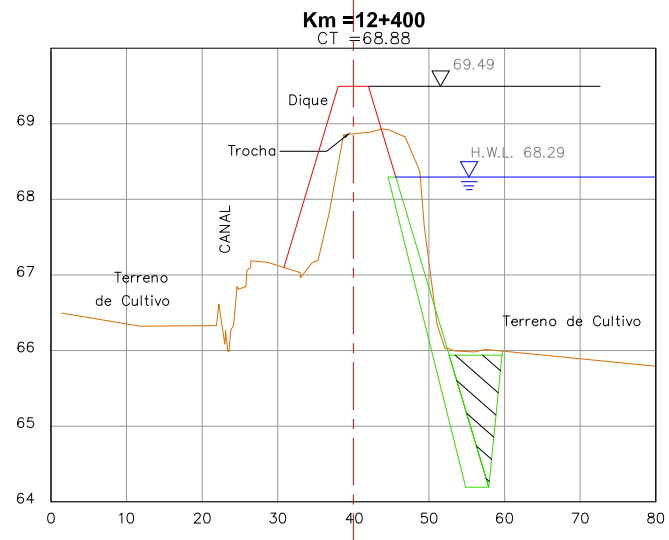
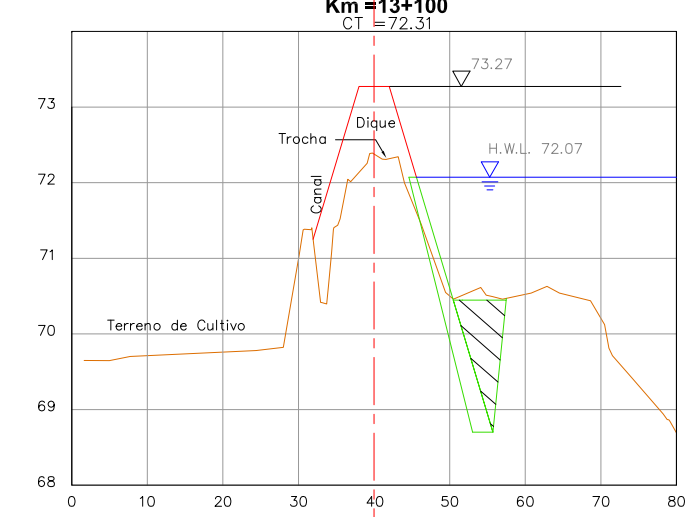
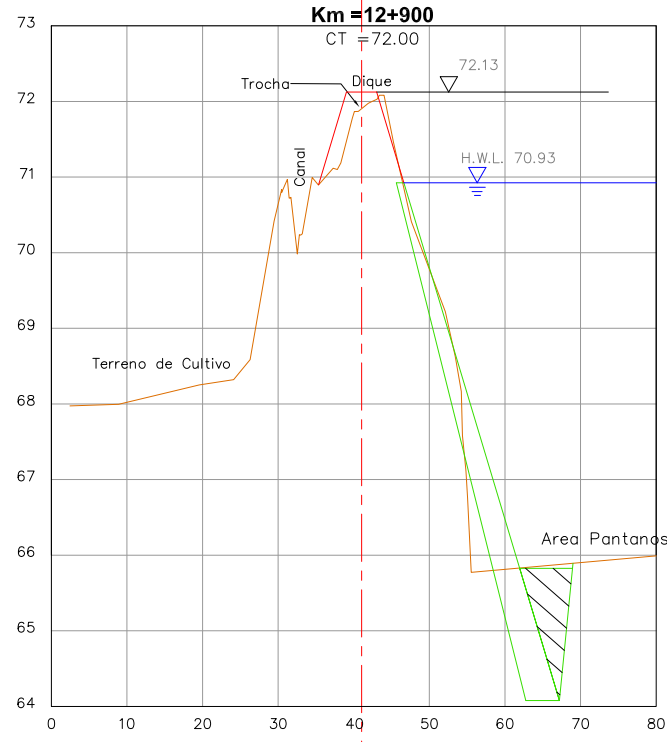
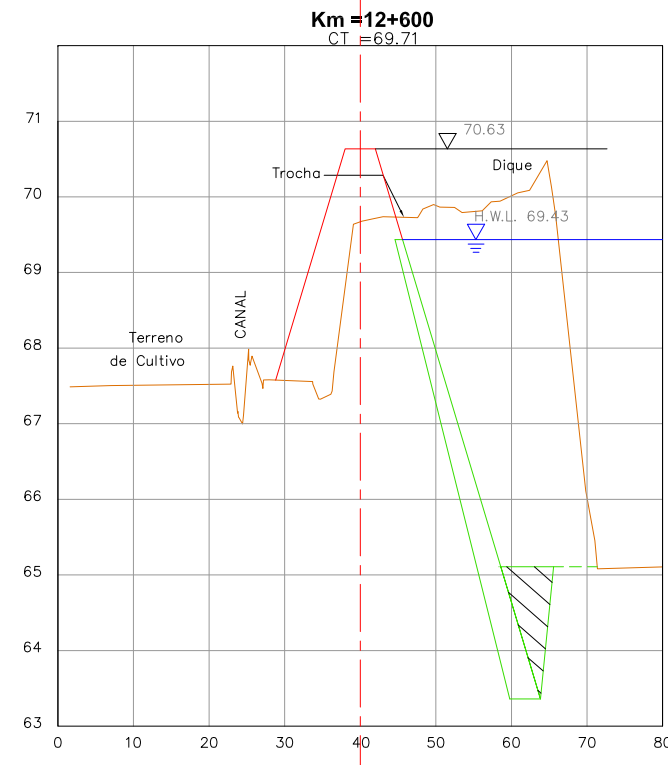
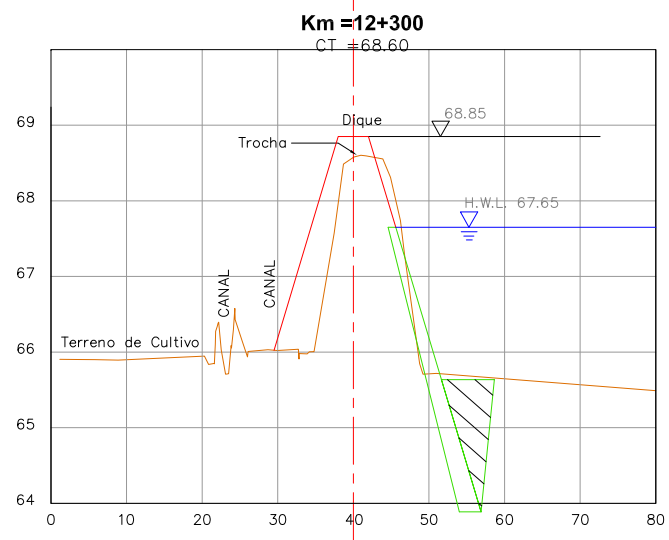
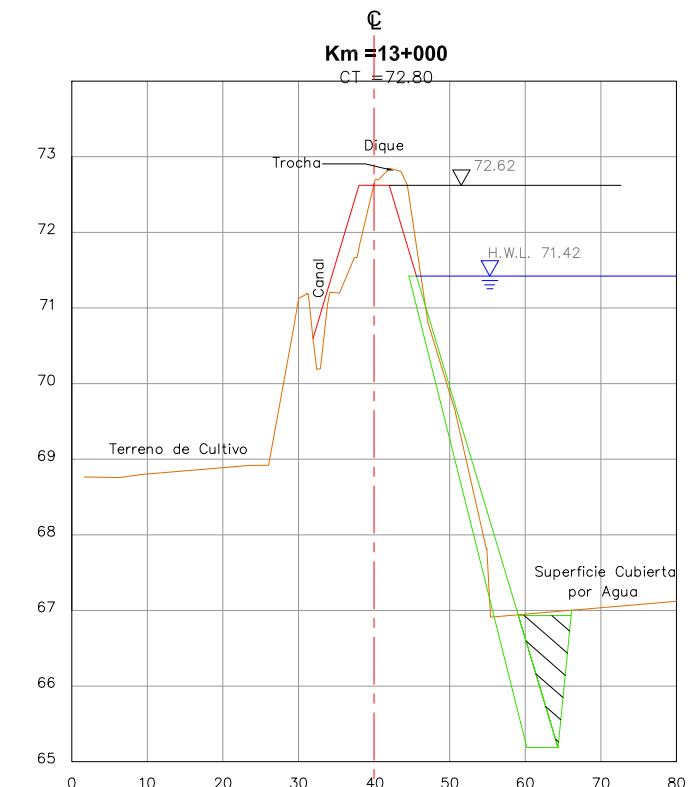
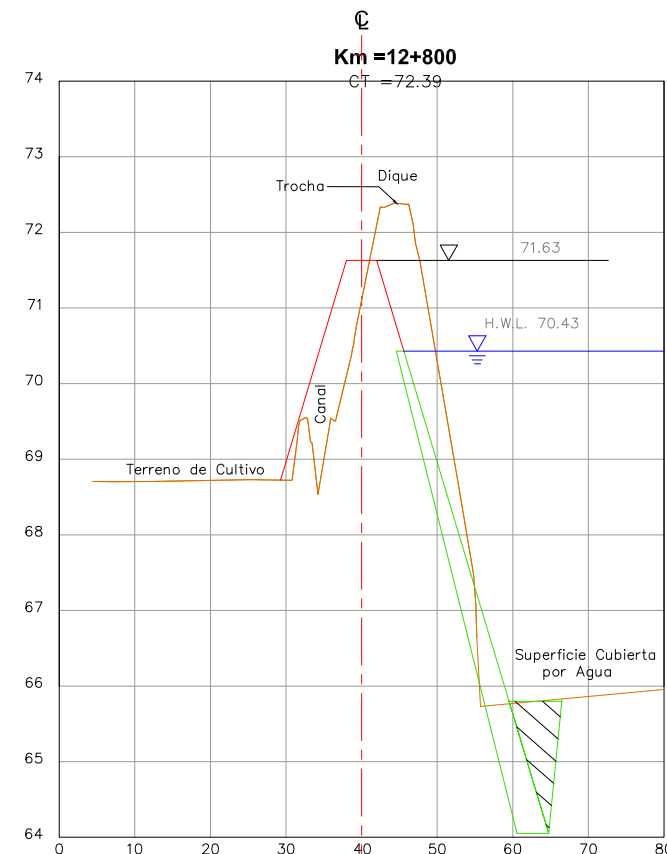
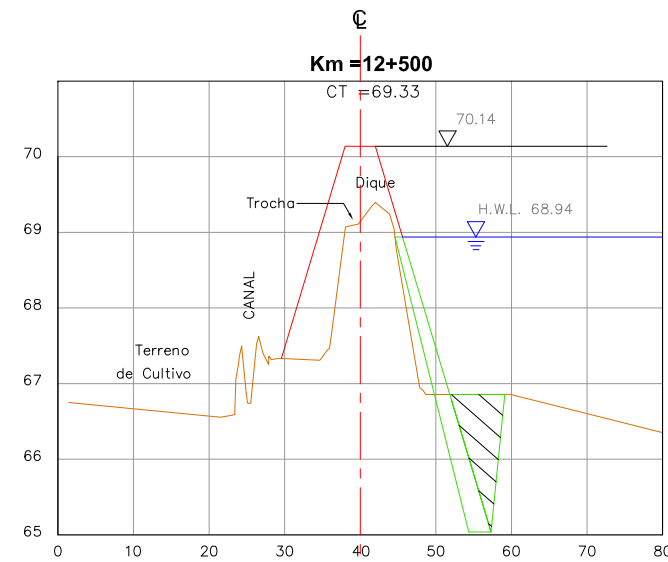
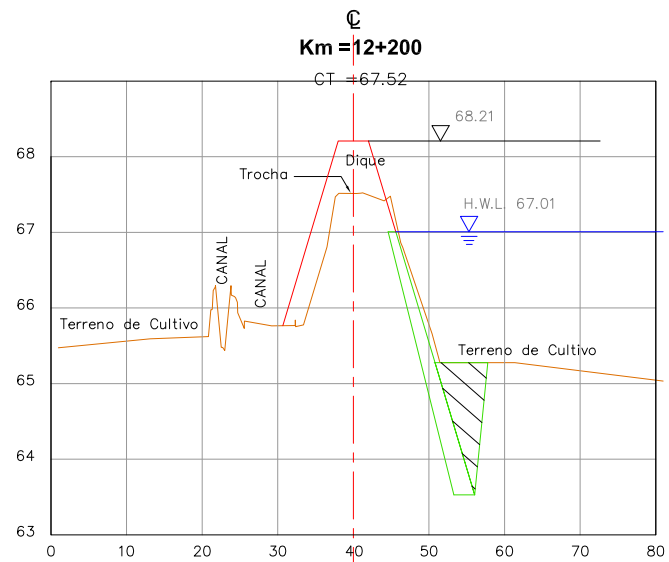
NOTA: La escala indicada, corresponde al formato A-1 Para el Formato A-3, se debe considerar el doble.



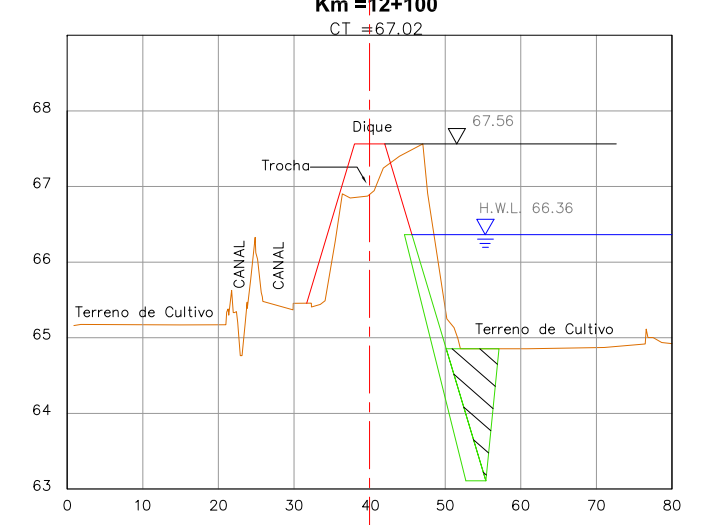
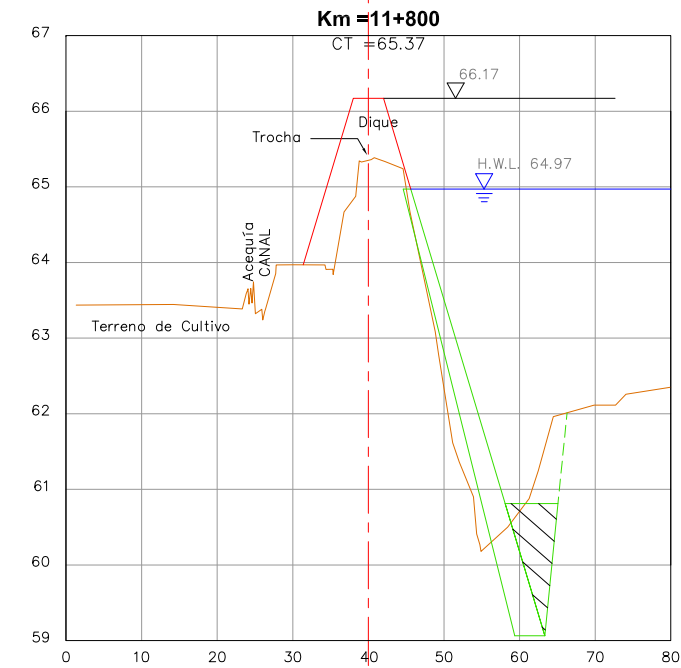
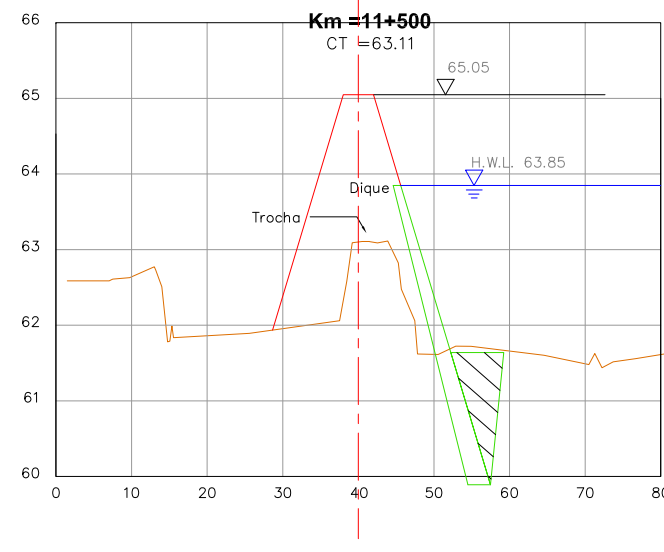
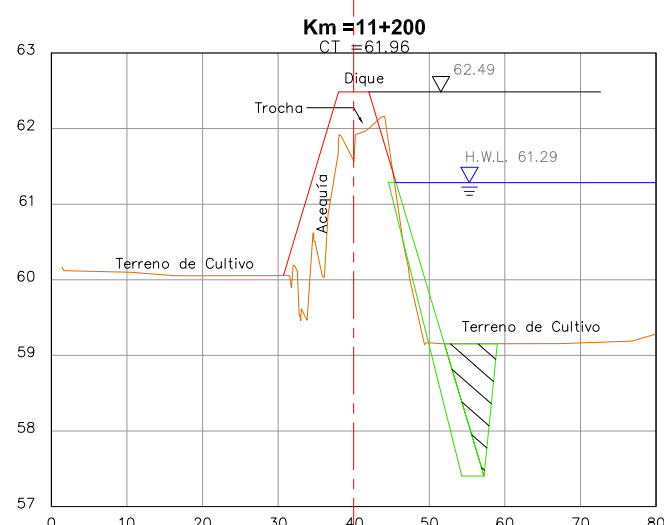
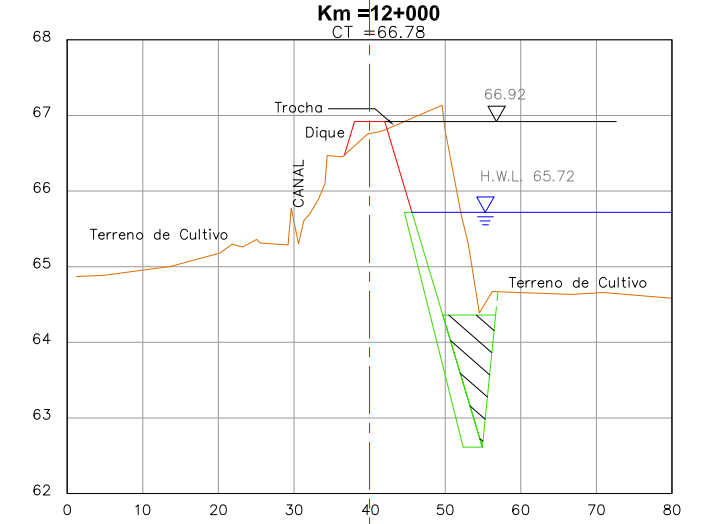
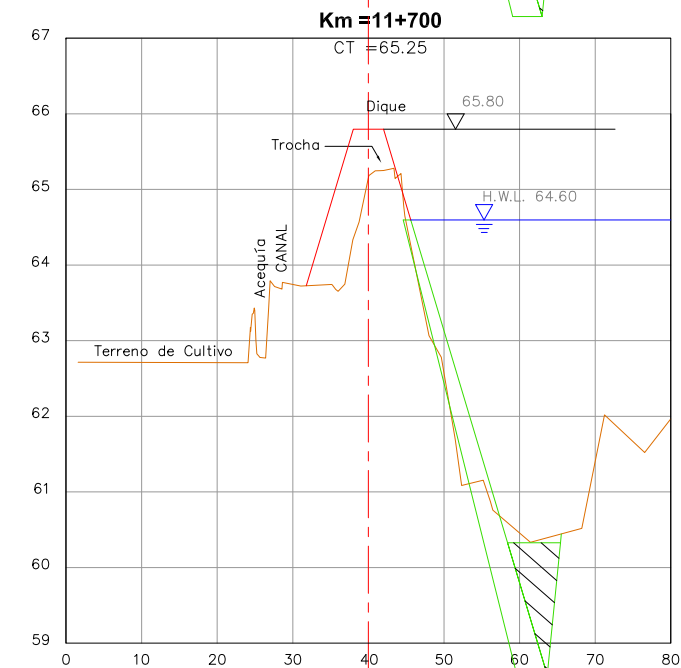
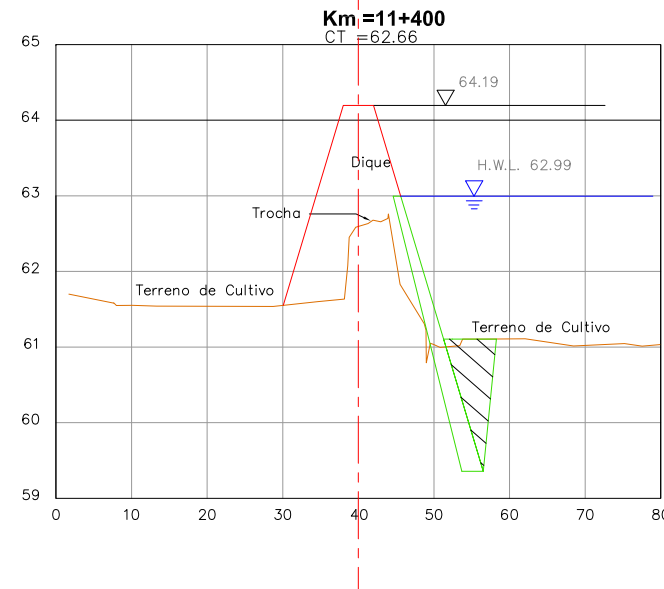
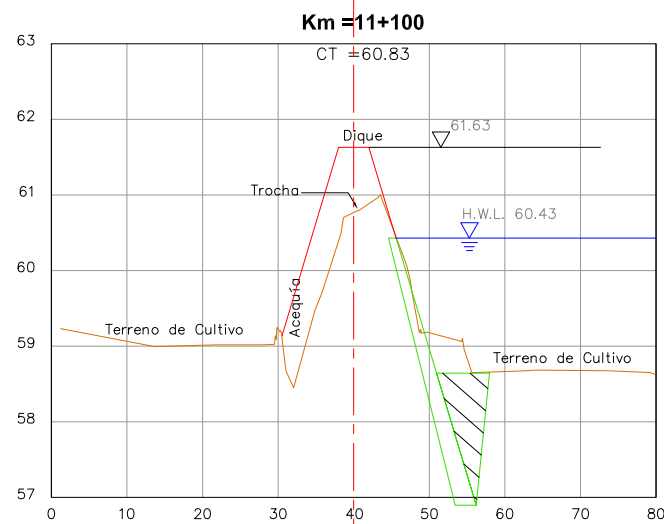
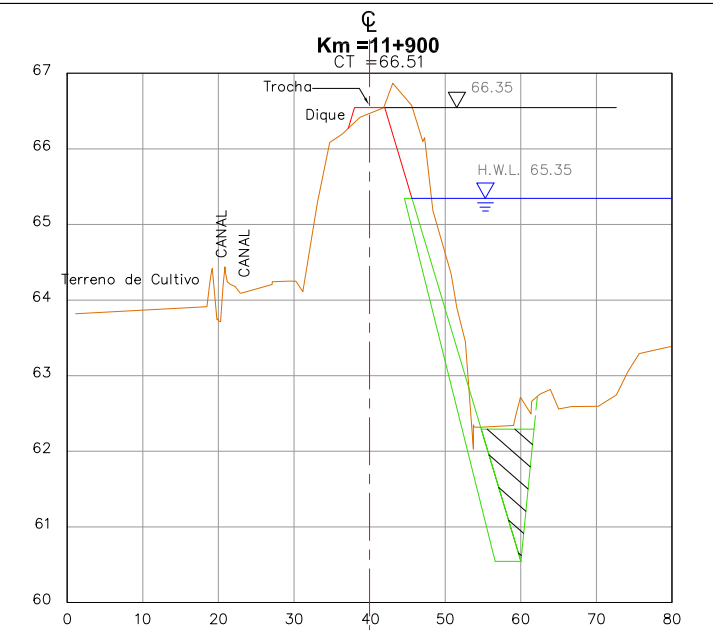
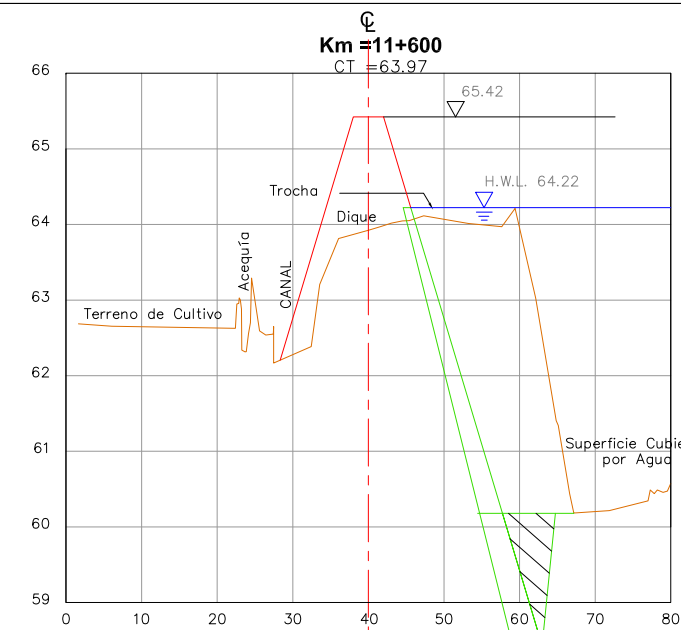
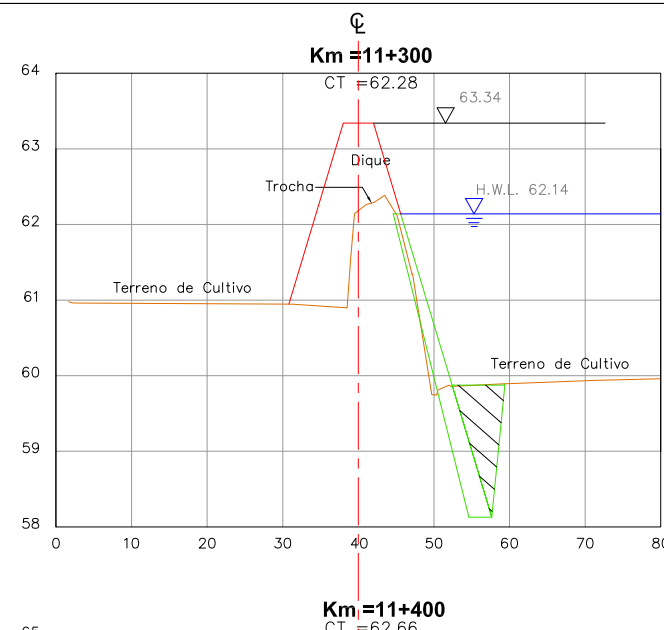
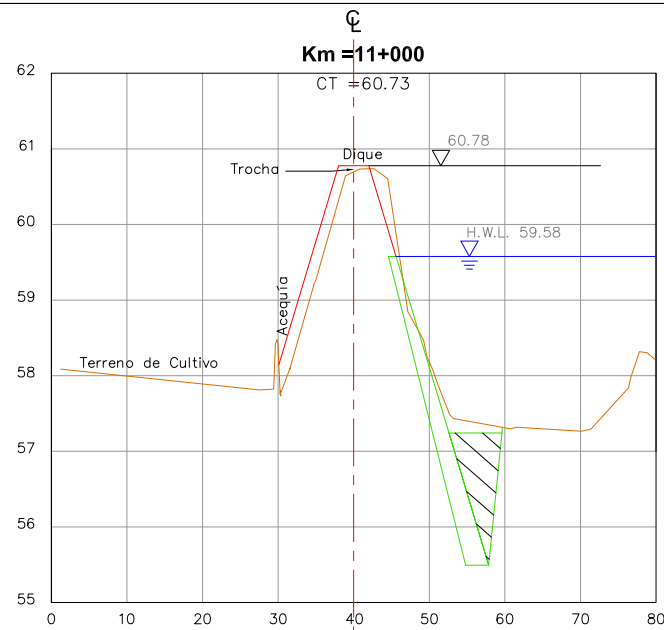
NOTA: La escala indicada, corresponde al formato A-1 Para el Formato A-3, se debe considerar el doble.



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.

