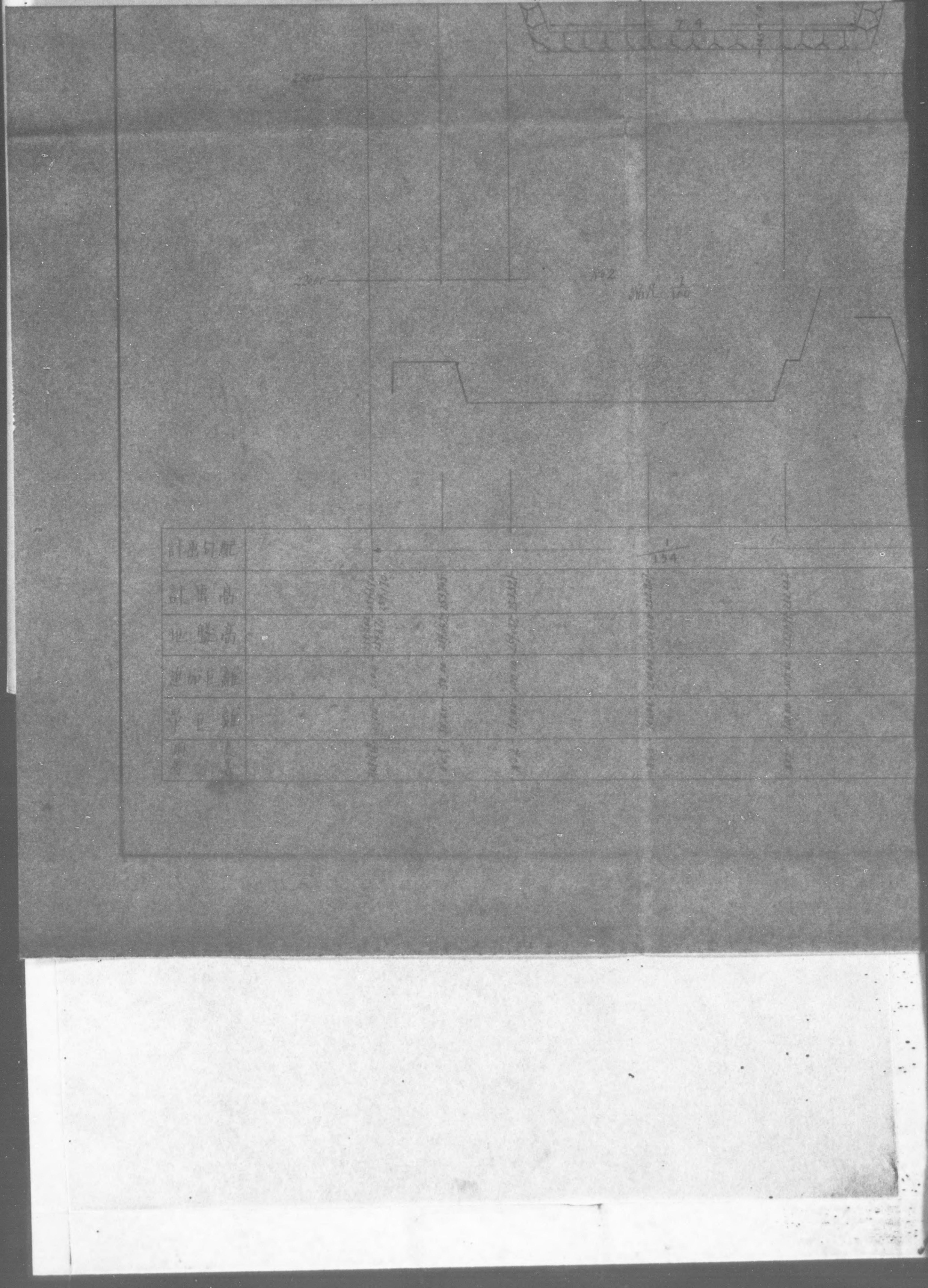
DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]



DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO.

C O P Y

GENERAL HEADQUARTERS
SUPREME COMMANDER FOR THE ALLIED POWERS
Economic and Scientific Section

1 July 1949
Date

SUBJECT: Reconversion Permit for Reparations Plant

TO: Shinko Kogyo K.K., Hoki Plant
130 Kaida, Agei-machi, Tohaku-gun, Tottori Pref.

1. In accordance with Memorandum from the Supreme Commander for the Allied Powers to the Japanese Government, dated 22 November 1946 (SCAPIN-1355), the Shinko Kogyo K.K. is permitted to produce at their Hoki Factory located at Agei-machi the following additional items:

Item	Maximum Quantity
Spinning & weaving machine parts	7,000 pcs. per month

2. The temporary use of the following additional reparations machinery is authorized:

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO.

C O P Y

GENERAL HEADQUARTERS
SUPREME COMMANDER FOR THE ALLIED POWERS
Economic and Scientific Section

26 February 1949
Date

SUBJECT: Reconversion Permit for Reparations Plant

TO: Shinko Kogyo K.K., Hoki Plant
130 Kaida, Agei-machi, Tohaku-gun, Tottori Prefecture

1. In accordance with Memorandum from the Supreme Commander for the Allied Powers to the Japanese Government, dated 22 November 1946 (SCAPIN-1355), the Shinko Kogyo K.K. is permitted to produce at their Hoki Factory located at Agei-machi the following additional items:

Item	Maximum Quantity
Steel Props	2,500 pcs. per month

2. ...temporary use of the following additional reparations

None

...to substitute
...y in temporary

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO.

COPY

HEADQUARTERS I CORPS
APO 301 (Kyoto, Honshu)

GLS/fsn

Ref: IC-342
AG 004 -BA

SUBJECT: Permit for Reconversion from War Production and for Resumption of Production of Essential Civilian Commodities.

TO: Shinko Kogyo Kabushiki Kaisha, Agei Factory
(Name and Address of Firm)
Agei-cho, Tohaku-gun, Tottori Prefecture.

1. a. In accord with paragraph 3, b, Directive Number Three(3) from the Supreme Commander to the Imperial Japanese Government, dated 22 September 1945, the Shinko Kogyo K.K. Agei Factory
(Name of Firm)
is permitted to immediately start production of a. Farming Tools and
(Name of Items)
Machines(including repairs) b. Building Hardware c. Wheels X
d. Electric Utensils (NOTHING FOLLOWS)
does this mean cars.

b. Maximum production currently authorized is a. 150,000 pcs/m b.c.d. 37,000 pcs/m

2. The acquisition of material, parts and sub-assemblies as well as the [illegible]sition of finished products, and the establishment of [illegible] with the regulations of the Imperial

[illegible]quarters, a monthly report [illegible]tity produced by each [illegible]ctory's control will [illegible] of the follow[illegible]

Inventory Number	Name of Machine
41-9d-77 U	Hydraulic Press
41-9d-78 U	Friction Press
41-9d-84 U	Air Hammer
41-9d-94 U	Transformer
41-9d-95 U	"
41-9d-96 U	"
41-9d-97 U	"
Total	51

Note:

Jurisdiction
Code No. 41-4 Department of Internationa Trade and Industry
Code No. 41-9d Department of Finance

Non-reparations machinery

Boring Machine----------1
[illegible] Machine----------1
----------1
---------2
-------3
---1
1

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO.

List of machines necessary for manufacturing Parts of Mining Machine

Inventory Number	Name of Machine
41-4-9 U	Lathe
41-4-21 U	"
41-4-28 U	"
41-4-32 U	"
41-4-33 U	"
41-4-38 U	"
41-4-39 U	"
41-4-41 U	"
41-4-43 U	"
41-4-44 U	"
41-4-45 U	"
41-4-46 U	"
41-4-47 U	"
41-4-48 U	"
41-4-51 U	"
41-4-90 U	Plain Milling Machine
41-4-93 U	Shaping Machine
41-4-94 U	" "
41-4-95 U	Slotting Machine
	Plaining Machine
	tical Drilling Machine
	t Drilling Machine
	Drilling Machine
	illing Machine

DECLASSIFIED E.O. 12065 SECTION 3-402/NND 963 NO.

11. Plan to continue the production after reparation removed.

We estimate it is impossible to continue the working if the reparations machinery were removed.

Shinko Kogyo Kabushiki Kaisha

Signed: Tokutaro Matsuoka
Tokutaro Matsuoka,
Manager of Hoki Plant.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO.

6. Period of desired permission.

We are planning to begin the working from the day of permitted, and it will be continued till the reparations installation to be removed.

7. Scale of production planned by month for period on this application.

Parts of Mining Machinery
(Take ups of conveyer belt)
(Reduction gear of belt conveyer) } 800 pcs.
(Trommel) (Monthly Max.)
(Booms of electric shovel) etc.

8. Name of location to which products are to be delivered.

Dowa Kogyo K.K.
Yanahara Kogyo-sho
Address----Yoshioka-mura, Kume-gun,
Okayama Prefecture.

Nippon Kogyo K.K.
Kawayama Kogyo-sho
Address----Ka[illegible] Kuga-gun,
[illegible]re.

[illegible]obe.

"B"

Application to Convert a Designated Reparations Plant

TO: Minister of International Trade and Industry

FROM: Shinko Kogyo Kabushiki Kaisha
Hoki Plant

DATE: 21 January, 1950.

1. Name of Plant

Shinko Kogyo Kabushiki Kaisha
Hoki Plant

Code Number 41 - 4

2. Location of Plant

130 Kaida, Agei-cho, Tohaku-gun,
Tottori Prefecture.

41-4 Sec. II

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77803

"B"

Application to Convert a Designated Reparations Plant

TO: Minister of International Trade and Industry

FROM: Shinko Kogyo Kabushiki Kaisha
Hoki Plant

DATE: 21 January, 1950.

1. Name of Plant

Shinko Kogyo Kabushiki Kaisha
Hoki Plant

Code Number 41 - 4

2. Location of Plant

130 Kaida, Agei-cho, Tohaku-gun,
Tottori Prefecture.

3. Name of Products Planned.

Parts of Mining Machinery
(Take ups of conveyer belt)
(Reduction gear of belt conveyer)
(Trommel)
(Booms of electric shovel) etc.

4. Experience of the production planned.

We have not engaged to manufacture the above articles in the past, but we have been produced steel props for mining which is main products of this plant.
Therefore, we believe it is possible to manufacture with our experience.

5. 1939-----1945 Production

1939----1943 None
This company was established in 1944, therefore no record available.

1944-----Iron Shell Casing	41, 231 pcs.
1945-----Iron Shell Casing	128,229 pcs.

41-4 Ser. 7

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 1

...ayama-mura,
Yamaguchi Prefec...

Kobe Seiko-sho K.K.
Address----Wakinohama-cho, Fukiai-ku, ...

9. Scale of proposed change in physical facilities.

This working is possible by use of machines which were authorized by the Headquarters for our civil production and EX machines. There is no need of changing equipments or to extend the manufacturing capacity for this plan.
List of machinery necessary for manufacture as enclosed herewith.

10. Intended expenses for conversion.

It is sufficient with the present manufacturing equipments and employees, and we do not need more expenses for this plan.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 78018

List of machines necessary for manufacturing Parts of Mining Machine

Inventory Number	Name of Machine
41-4-9 U	Lathe
41-4-21 U	"
41-4-28 U	"
41-4-32 U	"
41-4-33 U	"
41-4-38 U	"
41-4-39 U	"
41-4-41 U	"
41-4-43 U	"
41-4-44 U	"
41-4-45 U	"
41-4-46 U	"
41-4-47 U	"
41-4-48 U	"
41-4-51 U	"
41-4-90 U	Plain Milling Machine
41-4-93 U	Shaping Machine
41-4-94 U	" "
41-4-95 U	Slotting Machine
41-4-96 U	Plaining Machine
41-4-98 U	Vertical Drilling Machine
41-4-101 U	Upright Drilling Machine
41-4-102 U	Vertical Drilling Machine
41-4-103 U	Upright Drilling Machine
41-4-117 U	Grinder
41-4-121 U	"
41-4-122 U	"
41-4-145 U	Hydraulic Press
41-4-148 U	" "
41-4-152 U	Air Hammer
41-4-153 U	Accumulator
41-4-159 U	Hydraulic Pump
41-4-160 U	" "
41-4-162 U	Water Pump
41-4-170 U	Blower
41-4-173 U	"
41-4-223 U	Induction Motor
41-4-227 U	Transformer
41-4-228 U	"
41-4-229 U	"
41-4-237 U	Distributing Board
41-4-260 U	Coal Heating Furnace
41-4-264 U	" " "
41-4-271 U	A.C. Arc Welding Machine

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

Inventory Number	Name of Machine
41-9d-77 U	Hydraulic Press
41-9d-78 U	Friction Press
41-9d-84 U	Air Hammer
41-9d-94 U	Transformer
41-9d-95 U	"
41-9d-96 U	"
41-9d-97 U	"
Total	51

Note:

Jurisdiction

Code No. 41-4 Department of Internationa Trade and Industry

Code No. 41-9d Department of Finance

Non-reparations machinery

Boring Machine----------1

Vertical Milling Machine----------1

Drilling Machine----------1

Shearing Machine----------2

Induction Motor----------3

Eccentric Press----------1

Air Compressor----------1

Coal Heating Furnace----------2

A.C. Arc Welding Machine----------2

Cupola----------1

Total 15

GRAND TOTAL----------66

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 76015

C O P Y

HEADQUARTERS I CORPS
APO 301 (Kyoto, Honshu)

GLS/fsn

Ref: IG-342
AG 004 -BA

SUBJECT: Permit for Reconversion from War Production and for Resumption of Production of Essential Civilian Commodities.

TO: Shinko Kogyo Kabushiki Kaisha, Agei Factory
(Name and Address of Firm)
Agei-cho, Tohaku-gun, Tottori Prefecture.

1. a. In accord with paragraph 3, b, Directive Number Three(3) from the Supreme Commander to the Imperial Japanese Government, dated 22 September 1945, the Shinko Kogyo K.K. Agei Factory
(Name of Firm)
is permitted to immediately start production of a. Farming Tools and
(Name of Items)
Machines(including repairs) b. Building Hardware c. Wheels ~~X~~ does this mean cars.
d. Electric Utensils (NOTHING FOLLOWS)

b. Maximum production currently authorized is a. 150,000 pcs/m
b.c.d. 37,000 pcs/m

2. The acquisition of material, parts and sub-assemblies as well as the disposition of finished products, and the establishment of sales prices will be in accord with the regulations of the Imperial Japanese Government.

3. Until otherwise directed by this headquarters, a monthly report in English of each item, by name, type and quantity produced by each factory, sub-contractor subsidiary within this factory's control will be delivered to this office by the fifteenth(15) day of the following month.

4. It is understood that this permit for reconversion is issued subject to any and all directives affecting reconversion, ultimate disposition or otherwise, which have been issued or may hereafter be issued by the Supreme Commander for the Allied Powers or by this Headquarters.

BY COMMAND OF MAJOR GENERAL WOODRUFF:

H. B. TAYLOR
Major, AGD.
Asst. Adj Gen.

Info copy to:
SCAP(Attn: ESS) (1) (w/incl)
SCAP(Attn: G-2) (1) (w/incl)
CG Eighth Army (1) (w/incl)
(Attn: Mil Govt)
CO 36th MG Hq Company (1)
Kyoto Liaison Office (1)
Governor of Prefecture concerned(1)
(Tottori)

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 78013

C O P Y

GENERAL HEADQUARTERS
SUPREME COMMANDER FOR THE ALLIED POWERS
Economic and Scientific Section

26 February 1949
Date

SUBJECT: Reconversion Permit for Reparations Plant

TO: Shinko Kogyo K.K., Hoki Plant
130 Kaida, Agei-machi, Tohaku-gun, Tottori Prefecture

1. In accordance with Memorandum from the Supreme Commander for the Allied Powers to the Japanese Government, dated 22 November 1946 (SCAPIN-1355), the Shinko Kogyo K.K. is permitted to produce at their Hoki Factory located at Agei-machi the following additional items;

Item	Maximum Quantity
Steel Props	2,500 pcs. per month

2. The temporary use of the following additional reparations machinery is authorized:

None	None

3. A program will be immediately initiated to substitute non-reparations machinery for reparations machinery in temporary use.

4. The acquisition of material, parts and sub-assemblies as well as the disposition of finished products and the establishment of sales prices will be in accordance with the regulations of the Japanese Government.

5. This permit is issued subject to any and all directives affecting reparations plants which have been issued or may hereafter be issued by the Supreme Commander for the Allied Powers.
Reports will be rendered as required by current directives and instructions.

FOR THE CHIEF, ECONOMIC AND SCIENTIFIC SECTION:

W. S. VAUGHAN
Chief, Industry Division.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [redacted]

C O P Y

GENERAL HEADQUARTERS
SUPREME COMMANDER FOR THE ALLIED POWERS
Economic and Scientific Section

1 July 1949
Date

SUBJECT: Reconversion Permit for Reparations Plant

TO: Shinko Kogyo K.K., Hoki Plant
130 Kaida, Agei-machi, Tohaku-gun, Tottori Pref.

1. In accordance with Memorandum from the Supreme Commander for the Allied Powers to the Japanese Government, dated 22 November 1946 (SCAPIN-1355), the Shinko Kogyo K.K. is permitted to produce at their Hoki Factory located at Agei-machi the following additional items:

Item	Maximum Quantity
Spinning & weaving machine parts	7,000 pcs. per month

2. The temporary use of the following additional reparations machinery is authorized:

None	None

3. A program will be immediately initiated to substitute non-reparations machinery for reparations machinery in temporary use.

4. The acquisition of material, parts and sub-assemblies as well as the disposition of finished products and the establishment of sales prices will be in accordance with the regulations of the Japanese Government.

5. This permit is issued subject to any and all directives affecting reparations plants which have been issued or may hereafter be issued by the Supreme Commander for the Allied Powers.

Reports will be rendered as required by current directives and instructions.

FOR THE CHIEF, ECONOMIC AND SCIENTIFIC SECTION:

W.S. VAUGHAN
Chief, Industry Division

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

6. Period of desired permission.

We are planning to begin the working from the day of permitted, and it will be continued till the reparations installation to be removed.

7. Scale of production planned by month for period on this application.

Parts of Mining Machinery
(Take ups of conveyer belt)
(Reduction gear of belt conveyer) } 800 pcs.
(Trommel) (Monthly Max.)
(Booms of electric shovel) etc.

8. Name of location to which products are to be delivered.

Dowa Kogyo K.K.
Yanahara Kogyo-sho
Address----Yoshioka-mura, Kume-gun,
Okayama Prefecture.

Nippon Kogyo K.K.
Kawayama Kogyo-sho
Address----Kawayama-mura, Kuga-gun,
Yamaguchi Prefecture.

Kobe Seiko-sho K.K.
Address----Wakinohama-cho, Fukiai-ku, Kobe.

9. Scale of proposed change in physical facilities.

This working is possible by use of machines which were authorized by the Headquarters for our civil production and BX machines. There is no need of changing equipments or to extend the manufacturing capacity for this plan.
List of machinery necessary for manufacture as enclosed herewith.

10. Intended expenses for conversion.

It is sufficient with the present manufacturing equipments and employees, and we do not need more expenses for this plan.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

PETITION FOR ESTABLISHMENT OF POWER PLANT.

TOTTORI PREFECTURAL GOVERNMENT

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

TOTTORI PREFECTURAL OFFICE

21 Apr., 1950

SUBJECT: Petition for Establishment of Power Plant.

THROUGH: Tottori Prefectural Liaison Office.

T O: Chief,
Chugoku Civil Affairs Region.

We herewith enclose our petition for construction of a power plant at Hatasato, Saihaku-gun, and beg that it be met with your favourable consideration.

Aiji Nishio
Governor,
Tottori Prefecture.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

PETITION FOR ESTABLISHMENT OF POWER PLANT.

Tottori Prefecture compared not only with the other Chugoku districts but with other places throughout Japan is very poor financially and industrially and in culture it is far behind. With a view to advancing this backward culture and tight finance, and bringing them up to the level of other regions, we are utilizing the various resources lying within the prefecture bounds for carrying out investigations and researches.

Regarding the problem of electricity: The amount of necessary productive hydroelectric power on a yearly average covers need to the extent of only 65%. The remaining 35% must be reliant upon heat power and transmission from other districts. With Kyushu area topping, Chugoku region follows suit in the high price of electric power. Thus our citizens must bear rather heavy burdens in their daily electric consumption. These high electric charges coupled with insufficiency is also hampering promotion of industry.

So to develop hydroelectric power, increasing its amount to more than sufficiency, is to lower the price of power and subsequently to ease the citizens of lighting and heating burdens as well as to help the Prefecture out of hard-pressed finance and to introduce all manner of factories into the Prefecture with the object of promotion and development.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

This is a very important measure of prefecture administration.

As a result of investigations and researches we have come to the conclusion that a pref-managed undertaking by setting up a generating plant at Hatasato, Saihaku-gun and drawing in the waters of Hino river from Mizoguchi, Hino-gun at one of the designated suitable eight spots, would be most profitable, administratively and economically.

We would be very much indebted therefore if you could spare some of your valuable time for inspection of this project's indispensibility and efficacy and request its confirmation by SCAP on our behalf.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

Synopsis of Construction of Hatasato Power Plant.

Tottori Prefecture.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

OUTLINED PLAN FOR CONSTRUCTION OF POWER STATION AT HATASATO

I. Preamble.

In Chugoku region power supply is in a poor condition that it can not be fully stetisfied by steam power plants already establish-ed, not to say, by all hydraulic power in the whole region. Naturally enough we are meeting the demand for the supply by help from other regions. The result is that power charge in this district is the highest next to that of Kyushu.

Various kinds of industry are now in so wretched a plight hindered by the shortage from development and therefore it is almost out of the question to contrive economic rehabilitation of Japan.

It goes without saying that with the progress of culture and civilization, demand for power is on the increase. According to a vernacular newspaper, consumption of power for fiscal 1949 was the highest in quantity through the pre-war and post war days. When we think of it we cannot refrain from feeling insecure and uneasy about the future supply of power in Chugoku region.

The necessity of developing of power resources is the more keenly felt in the Prefecture isolated from others so far as power supply is concerned, due to the reorganization of power distribution system and the establishment of the bloc regime.

Fortunately this prefecture is blessed, though not topographically, with abundant rainfall, such abundance rarely found in other parts of this country. In winter when other districts are distressed with shortage of water due to dry season, this pre-

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

fecture rejoices in affluence of water due to rainy season here. From this geogrephical point of view, we conclude that in order to make power supply constant in Chugoku region, it is of imminent necessity to develop power resource lying in the part of Japan washed by the Japan Sea.

Under these circumstances it stands to reason that the Prefecture has, since fiscal 1948, set about the investigation into development of power resources and the researches into places fitted for power stations. We have arrived at a conclusion that it is most economical and profitable to generate power by utilization of irrigation facilities already accomplished at the lower reaches of the river Hinogawa.

With this in view, we are contemplating to carry out this plan as the first step toward the development of power resources in the Prefecture.

II. Enterpriser: Tottori Prefecture.

III. Synopsis of the program.

(1) Programed location:

Name of the river water is drawn from:

The Main Hino River.

Origin of the drawn river:

Miyahara, Mizoguchi-cho, Hino-gun, Tottori Prefecture.

(2) Purpose of the Enterprise:

Attempt for introduction of special industry from outside and general distribution of power for electrification of village agriculture, using transmission course belonging to the Chugoku Power Supply Co., Inc.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

(3) Drawn water and water course:

The power squeduct is built by raising by 50 cm. the riparian embankment of the accomplished irrigation water course from the river Sanogawa and by reforming the water course already constructed. The water of the squeduct is discharged for power generation, at some distance of the irrigation water course. The water left over flows into the main Hinogawa river so that no hindrance for irrigation is caused.

(4) Water quantity for use:

Maximum 10.0 cub. m. per second.

Minimum 3.0 " " " "

Irrigation water reserved according to the following method from the maximum quantity:

Water led for irrigation into the River Sano:

3.05 cub. m. per second 100 days in one year.

Water in dry period during irrigation season:

2.15 cub. m. per second 10 days in the previous length of time.

Water in preparation period for paddy field:

1.8 cub. m. per second 50 days in one year.

Water in non-irrigation period:

1.0 cub. m. per second 215 days in one year.

(5) Effective fall:

Water in the maximum period for generation: 28.5 m.

Water in the minimum period for generation: 26.5 m.

(6) Electric generation:

Maximum: 2,100 k.w.

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Normal: 360 k.w.

Electric power generated for a year: 15,300,000 k.w.

(7) Embankment of sluice way:

Use of embankment already established by repairing a part of it.

Type of embankment: Overflowing type, enforced concrete embankment.

Height of embankment: To heighten the embankment of 3.5 m. by 0.5 m.

Length of the same: 125.0 m.

(8) Sluice of drawn aqueduct: (Refer to annexed map)

Width: To widen 6.0 m. to 9.0 m.

Depth: To deepen 1.5 m. to 2.0 m.

(9) Water (Waterway with flood gate): Refer to annexed map.

Length of waterway: 5,300 m. Planned gradient: $\frac{1}{2,000}$

Width of watercourse:

Base width:	4.40 m. built	4.40 m. planned
Upper width:	4.88 m. built	5.04 m. planned
Height of side-walls:	1.10 m. built	1.80 m. planned

(10) Water-pressure iron pipe:

Type: An iron pipe.

(11) Power plant:

Type of construction: A steel concrete building.

(12) Water wheel: Number: 1

Type: Francis

Capacity: 2,200 K.W.

(13) Dynamo: Number: 1

Type: Crossed current

Capacity: 2,200 K.W.

Rotor constant: 900 revolutions

Frequency: 60 cycles

Terminal voltage: 600 volts

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

IV. Construction expenses.

(1) Estimates for construction expenses:

Title:	Item:	Value: (Unit: ¥1,000)	Value per year: 1950	1951	Remarks:
Works expenses.		90,000	45,000	45,000	
	Land-rent & irrigation expenses.	600	600	-	
	Embankment repair expenses.	2,500	-	2,500	
	Expenses for water-course.	23,600	14,400	9,200	
	Expenses for power station.	9,400	5,000	4,400	
	Expenses for machinery equipment.	53,900	25,000	28,900	
Business expenses.		10,000	5,000	5,000	Appropriation to reserves for interest on general construction expenses.
Total		100,000	50,000	50,000	

(2) Construction expenses by unit:

¥47,600 (per kilowatt)

¥ 6,28 (per K.W.H.)

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V. Material required.

(1) Material required by year: (Unit: ton)

Item:	For 1950:	For 1951:	Total:	Remarks:
Common steel	65	126	191	
Subsidiary products of iron & steel	6	12	18	
Cement	835	855	1,490	
Wire	3	2	5	

(2) Materials required by unit:

Item:	Per K.W.: kg.	Per K.W.H.: ton	Remarks:
Common steel	0.012	0.0908	
Subsidiary products of iron & steel	0.001	0.0089	
Cement	0.094	0.7100	
Wire	0.0003	0.0024	

VI. Plan for raising fund:

Subsidy for repairs of water-way for irrigation and floatation of loan.

VII. Plan of Balance for revenue and expenditure:

(1) Standard balancing of revenue and expenditure.

i. The object of the above plan in based on consumption of electric power within this prefecture, but to avoid the complication of feeder wire, all the power generated from this power supply station is to be sent by using that of Chugoku Electric Supply Co., Ltd.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 78019

ii. As to use of electric power, the request for supply shall be made to Chugoku Electric Supply Co., Ltd. in each case.

iii. Subsequently the charge for power supply by this power station to Chugoku Electric Supply Co., Ltd. is collected in conformity with the unit price supplied by Japan Electric Power Generation and Transmission Co.

iv. As the trait of this power plant, a considerable profitable unit of price is estimated in the period for winter-charge because of rather exuberant water for generation. In this plan, however, the standard of computation is decided by the summer-charge and the unit-cost for calculation is ¥1.18.

(2) Revenue.

Charge for electric power: 18,750,200

(The charge is computed as ¥1.18 per K.W.H. for 15,890,000 K.W.H.'s)

(3) Expenditure.

Item:	Value:	Remarks:
Maintenance & repairs expenses	550,000	
Personnel expenses	600,000	
Reserves for disaster-relief	1,000,000	
Other expenses	500,000	
Total	2,650,000	

(4) Balance (Funds for redemption)

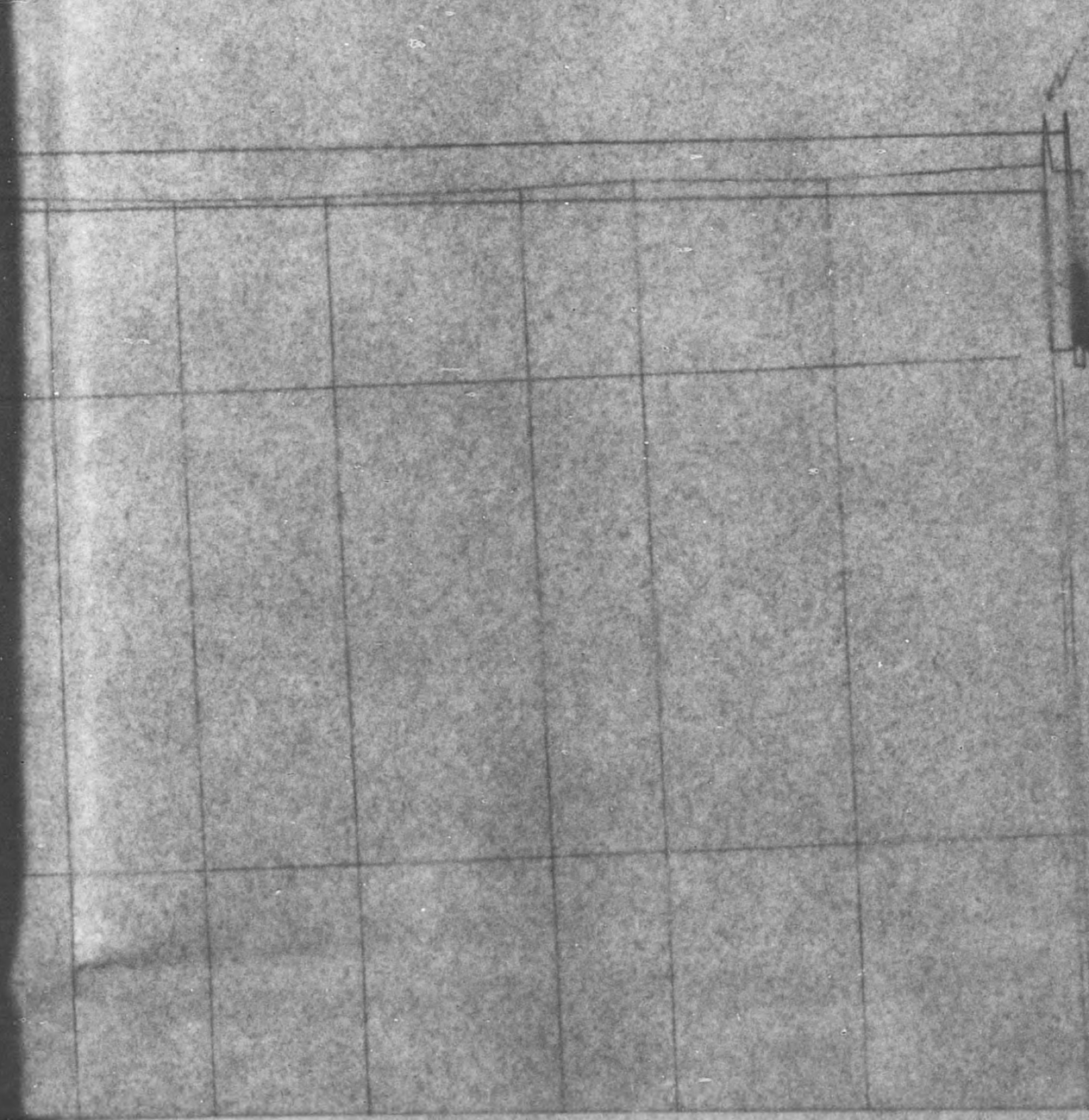
¥16,100,200

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 178018

第參壹圖 縱橫斷面圖

縱斷面圖參壹

橫斷面圖參壹



烏石取

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77801

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

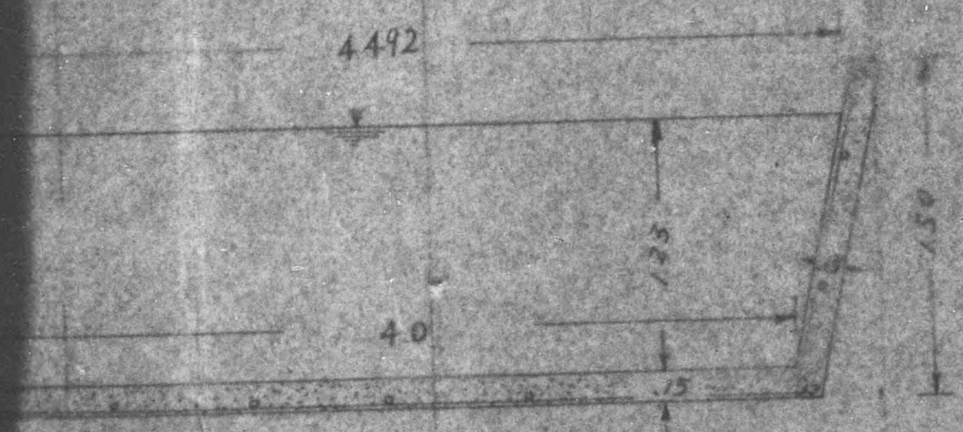
DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [redacted]

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO.

水路定規図

縮尺 $\frac{1}{50}$



Kutter 公式 ：

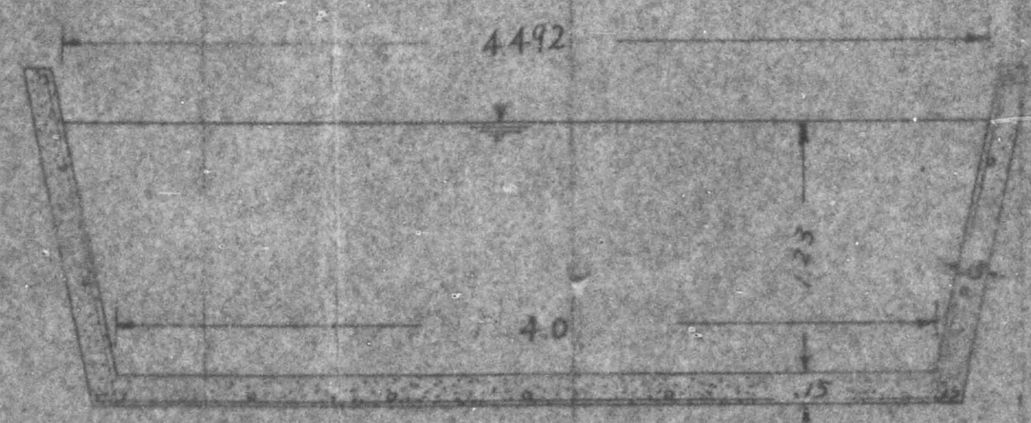
$$V = \frac{NR}{\sqrt{R}+D}$$

$n = 0.015$ $I = \frac{1}{800}$

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 78013

K路定規図

縮尺 $\frac{1}{50}$



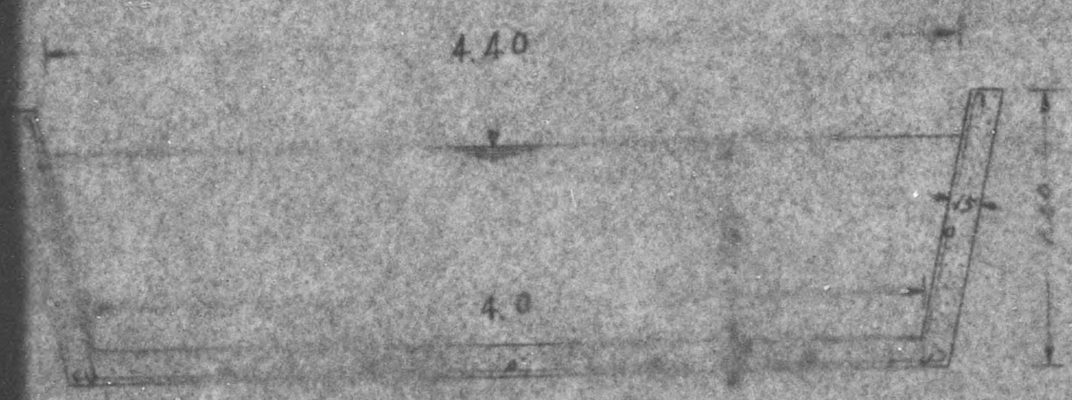
Kutter 公式 = 3.4

$$V = \frac{NR}{\sqrt{R}+D}$$

$n = 0.01$ $I = \frac{1}{800}$

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO.

水路定規図



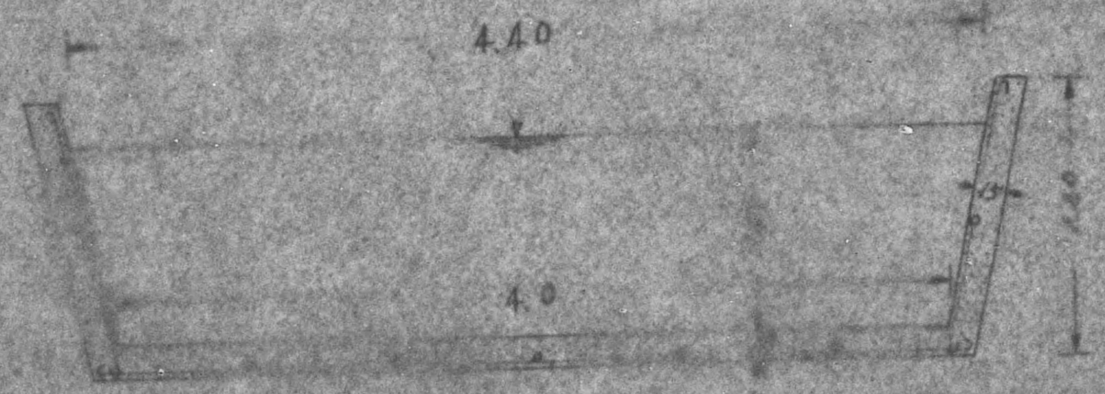
$$\frac{N\,R}{\sqrt{R+D}}$$

0.016 I

4.068

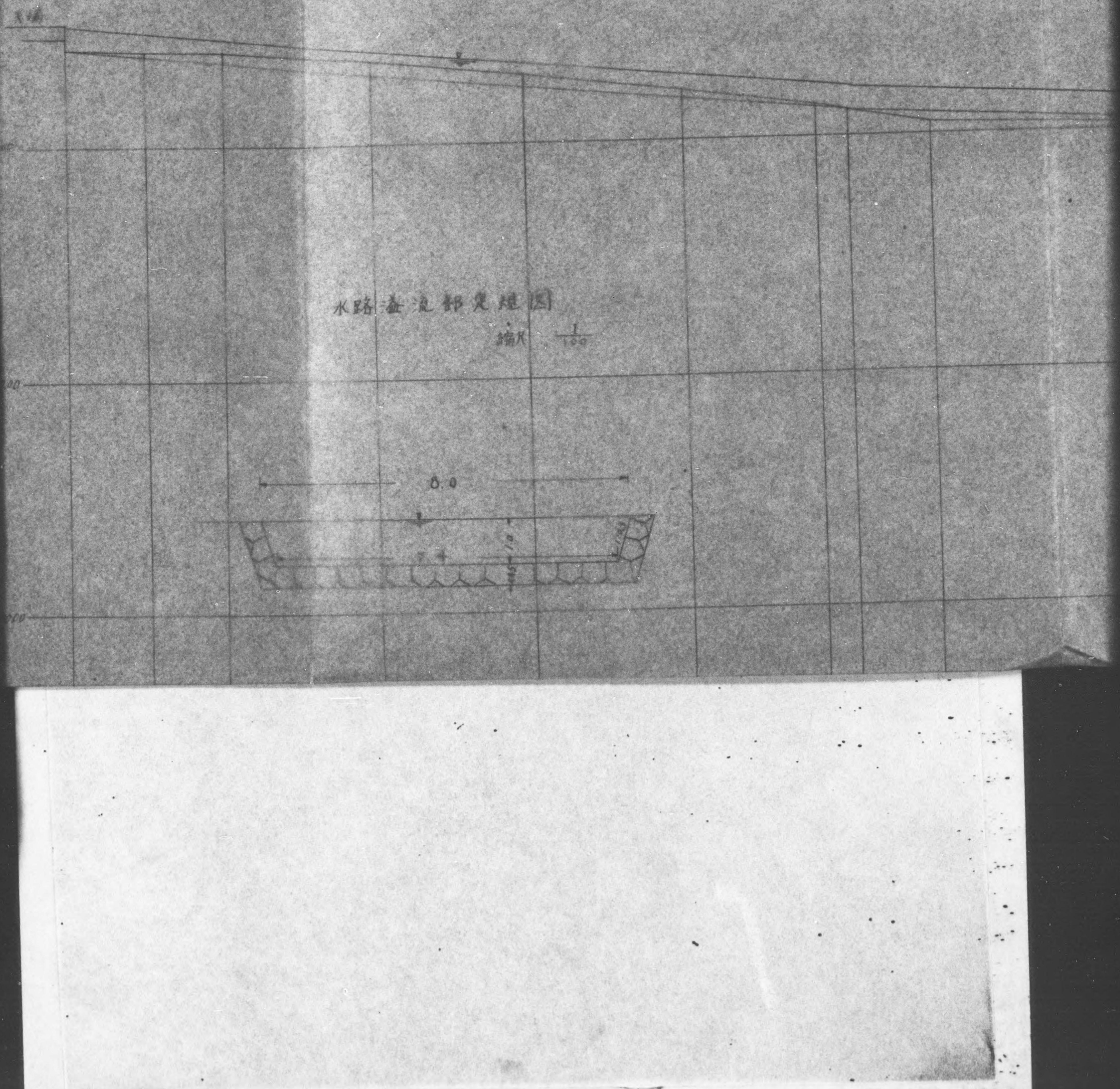
DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 71801

水路定規図



star
$\frac{N R}{\sqrt{R+D}}$
0.016 I
4068

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]



水路溢流部見取図

縮尺 $\frac{1}{100}$

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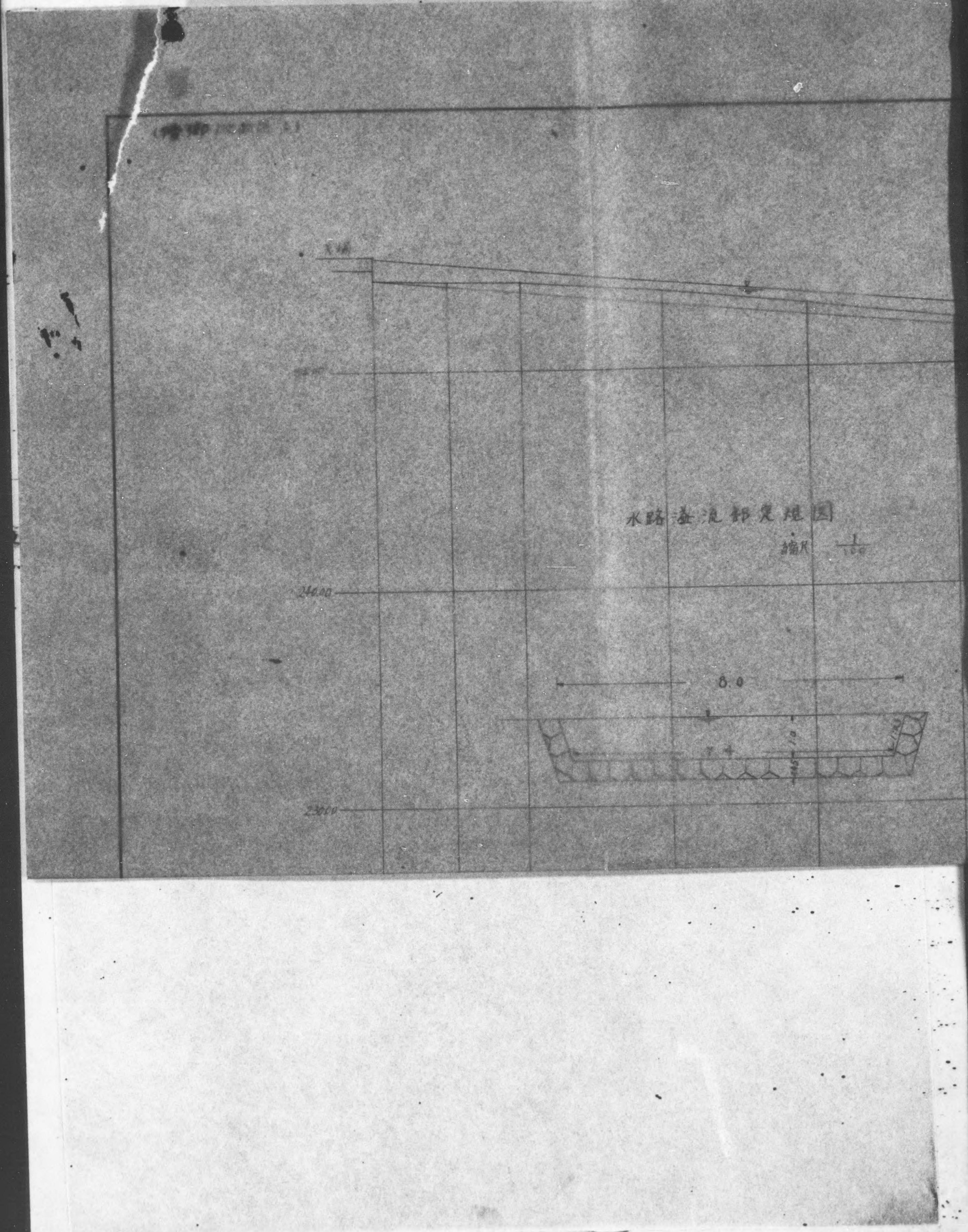
水路溢流部突堤図
縮尺 1/100
8.0
2.0
2.5
2.5
2.0
2.0
2.0

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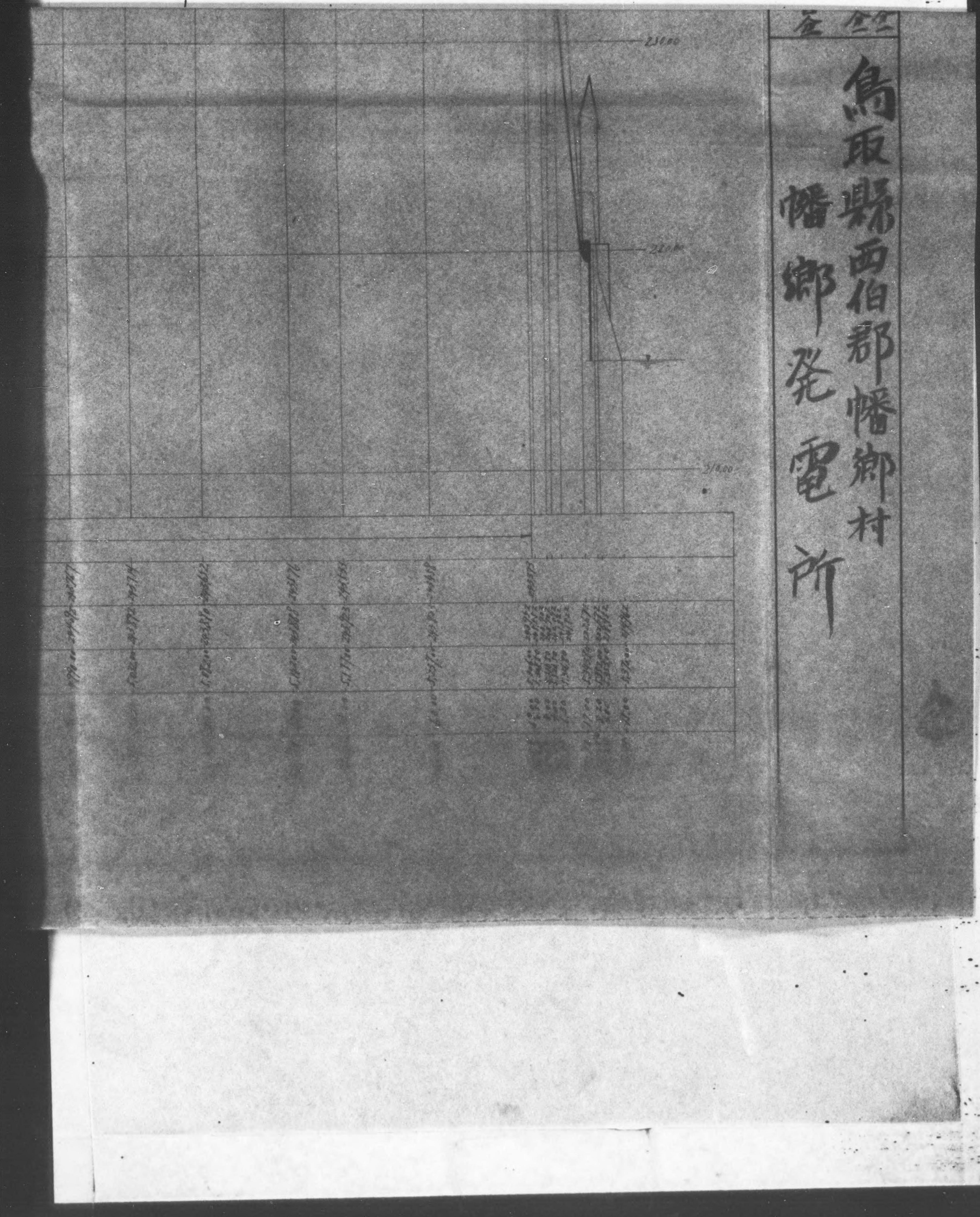

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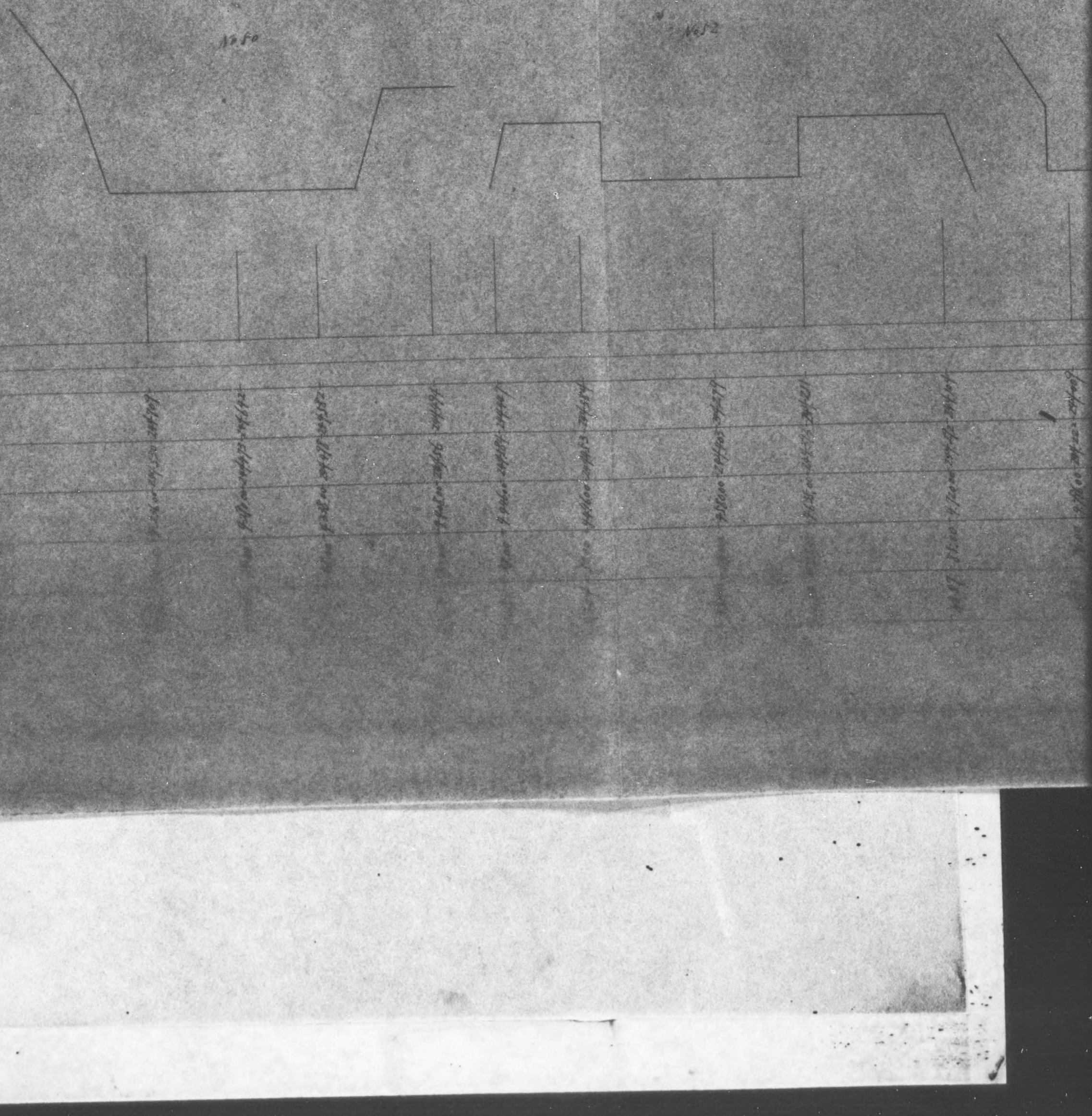
No 52

No 53

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [redacted]



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DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

No. 26

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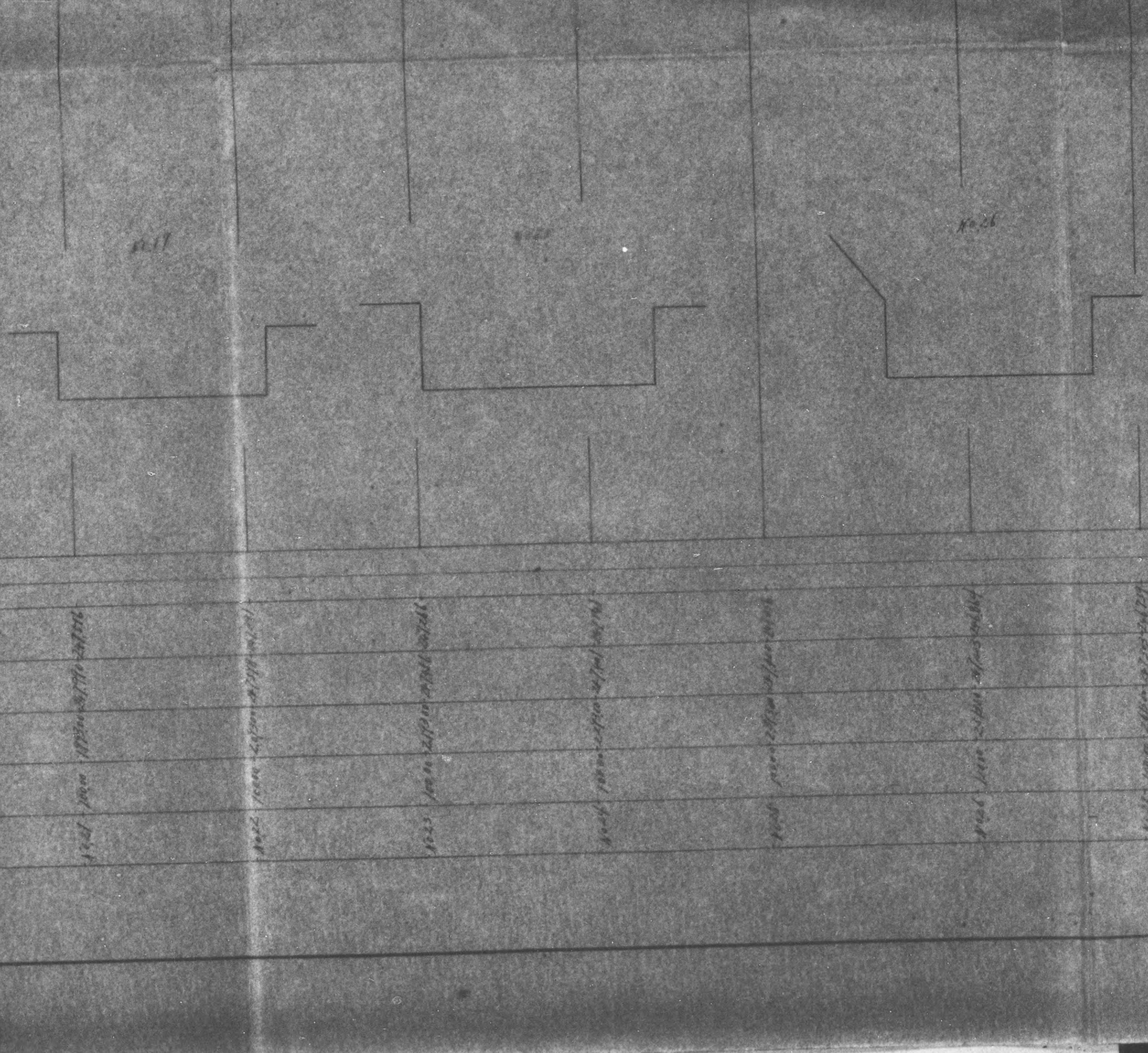
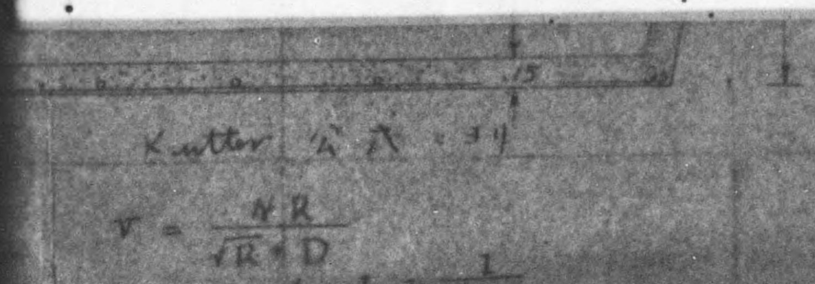
DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 79-018



DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 71801



Kutter $n = .014$

$$V = \frac{1.486}{n} R^{\frac{2}{3}} S^{\frac{1}{2}} \qquad S = \frac{1}{800}$$

$n = 0.014$

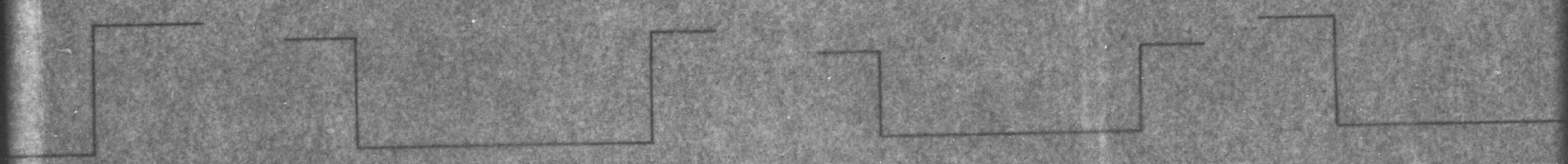
$A = 5.223$

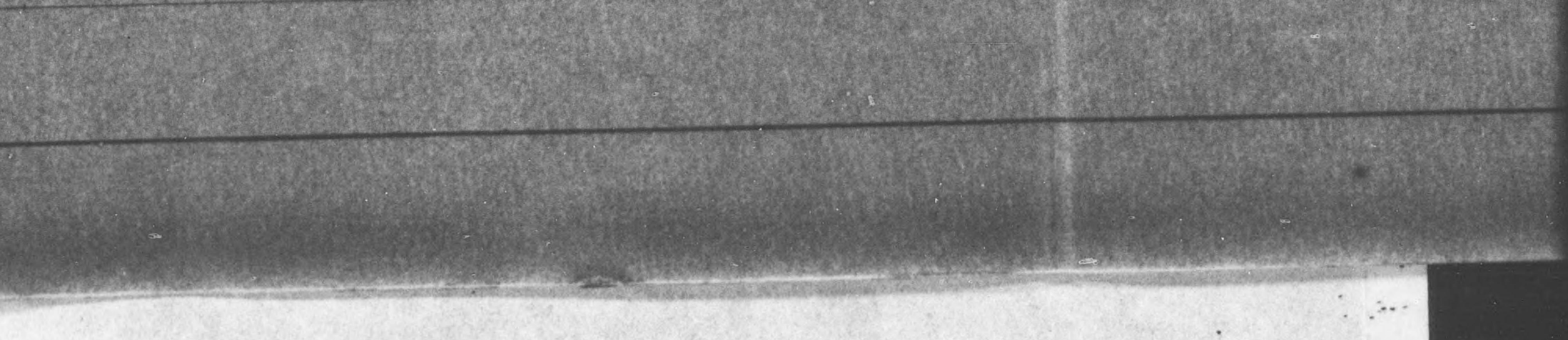
$P = 6.504$

$R = 0.802$

$V = 1.920$

$Q = 1.92 \times 5.223 = 10.03 \text{ cfs}$





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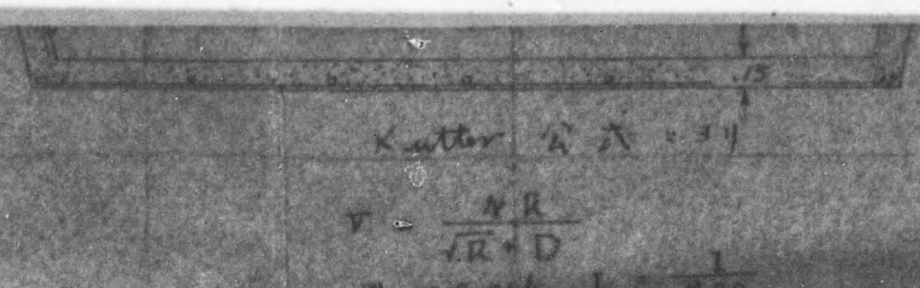


Kutter's n = 0.016

$$V = \frac{n R}{\sqrt{R} + D}$$

$$I = 0.016 \quad I = \frac{1}{800}$$

A = 5.223
S = 6.504
R = 0.802
V = 1.920
Q = 1.92 × 5.223 = 10.03 m³/sec

No 13

No 14

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 71801

4.0

$\frac{N\,R}{\sqrt{R+D}}$

0.016 I

4.068

3.978

0.680

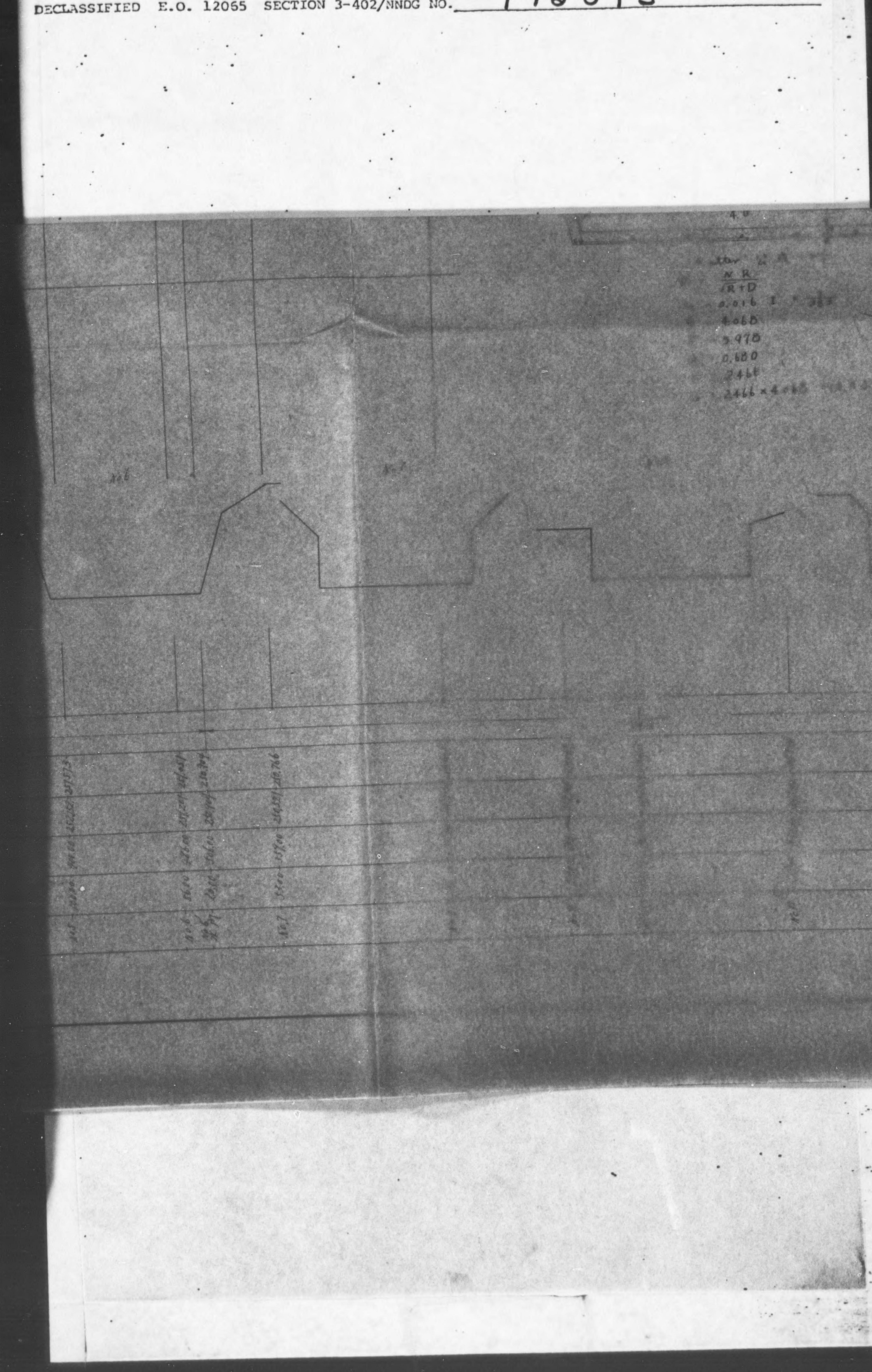
2.466

2.466 × 4.068

No.7

No.8

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 78013



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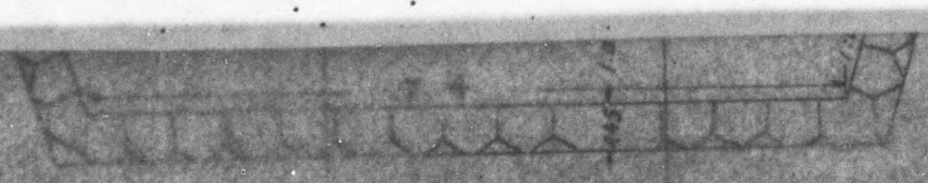

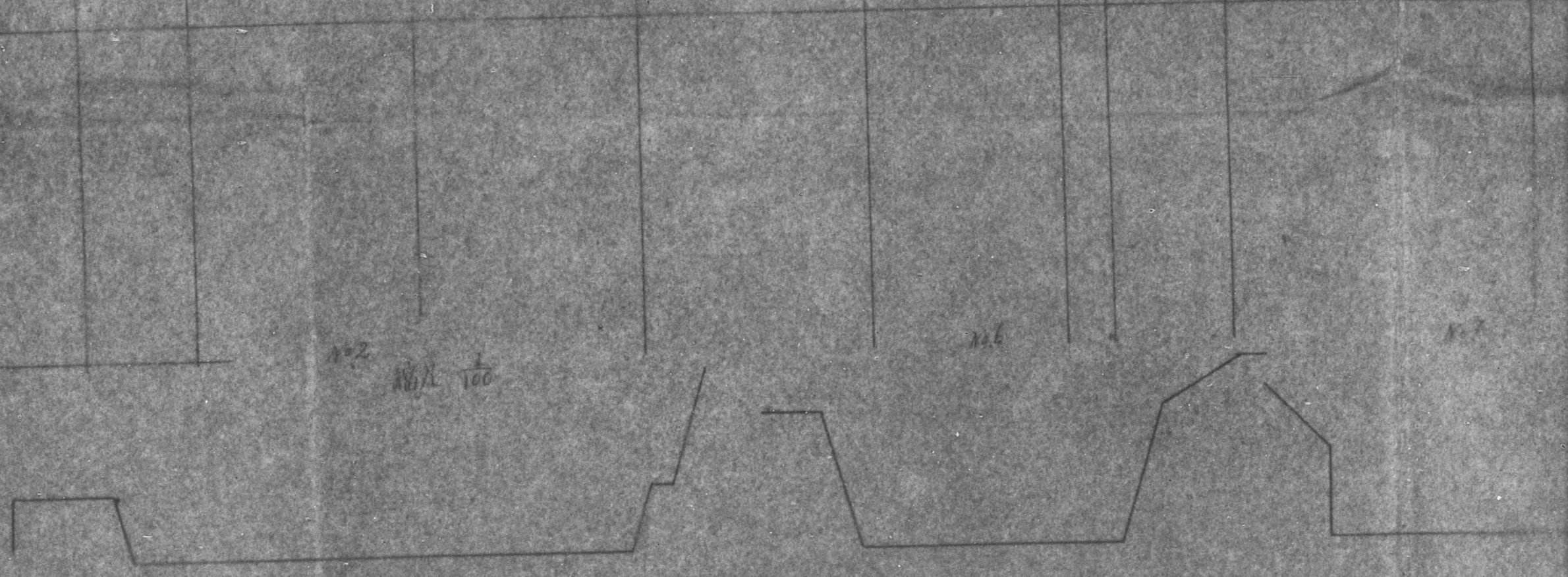

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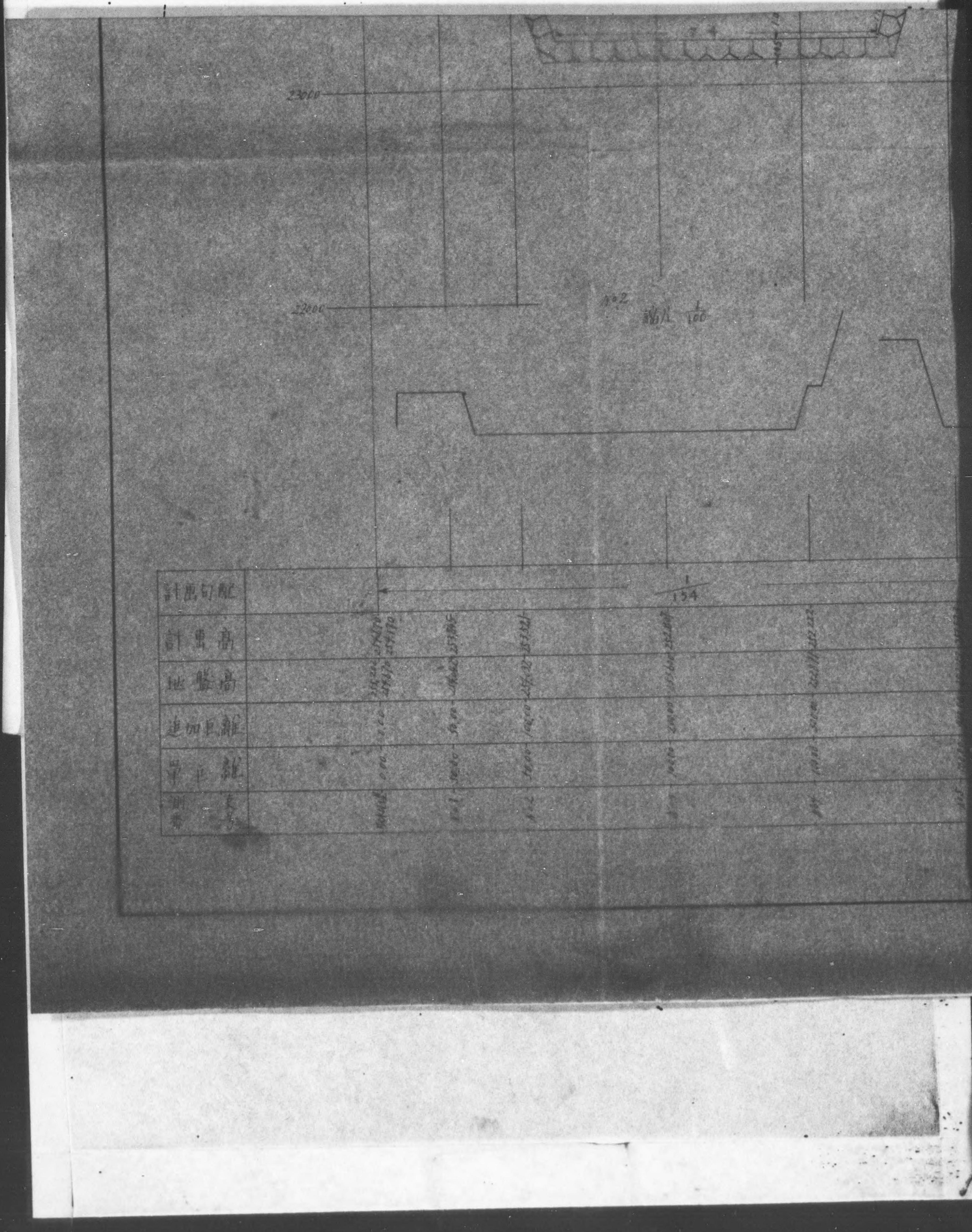

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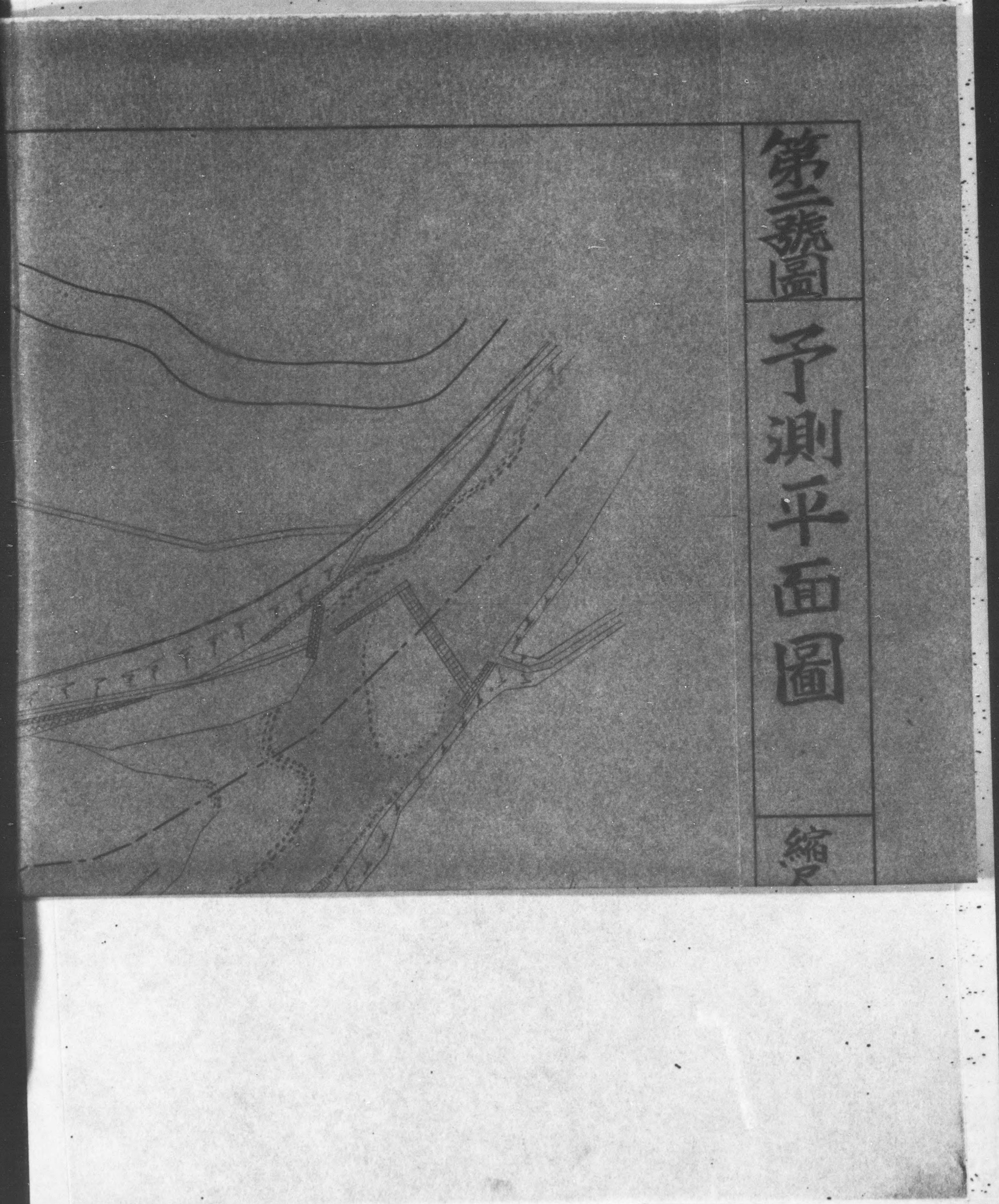

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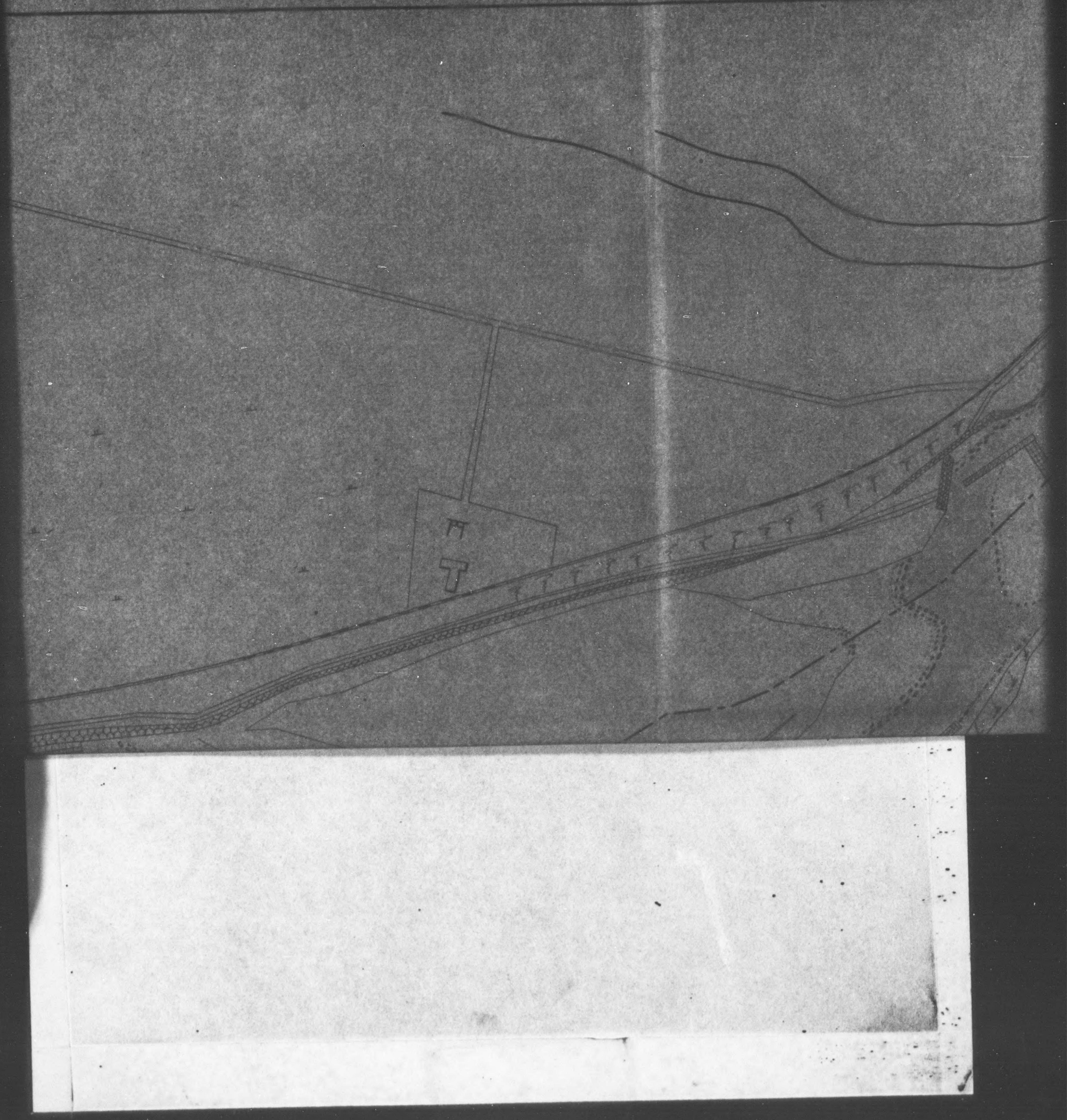

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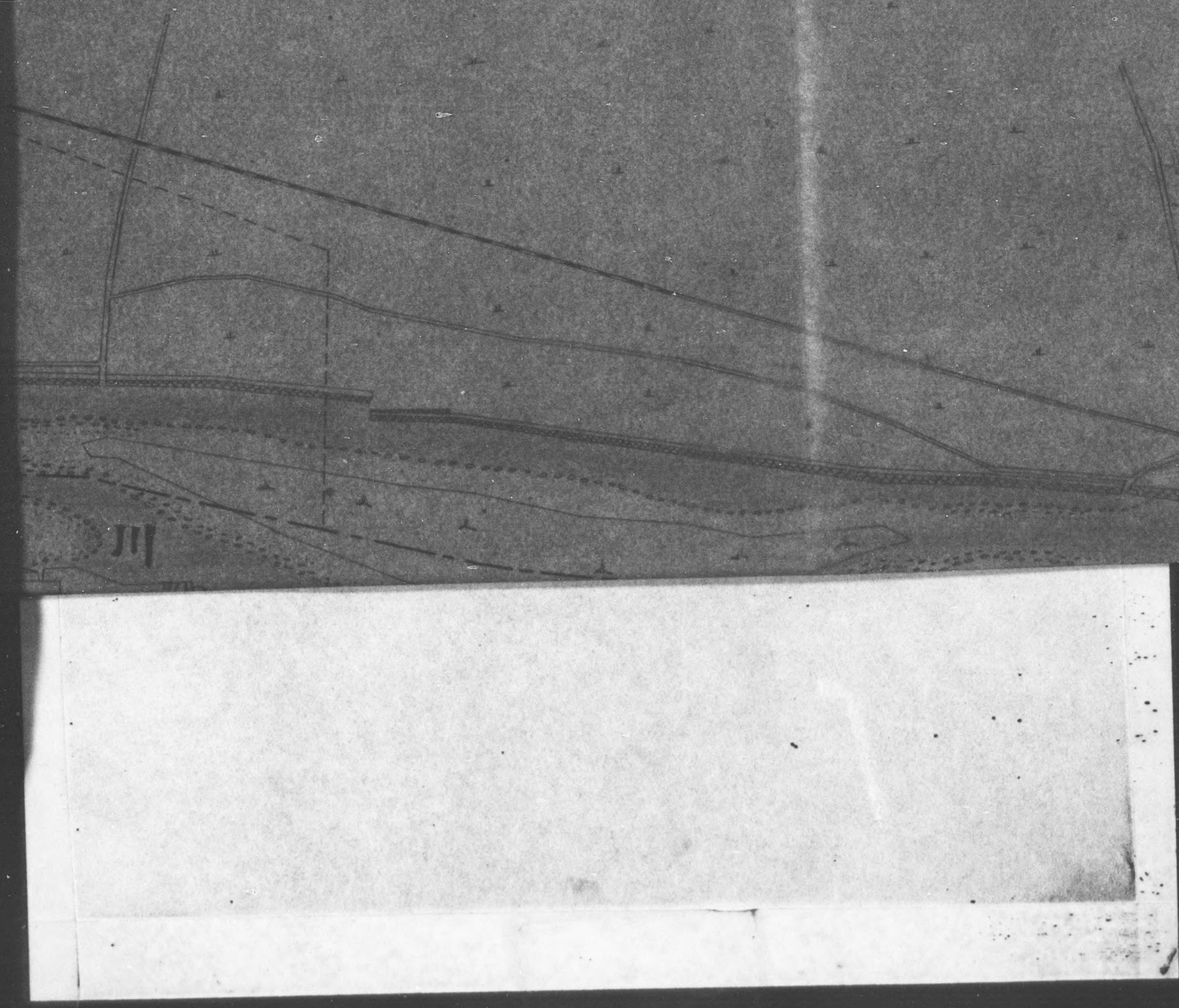

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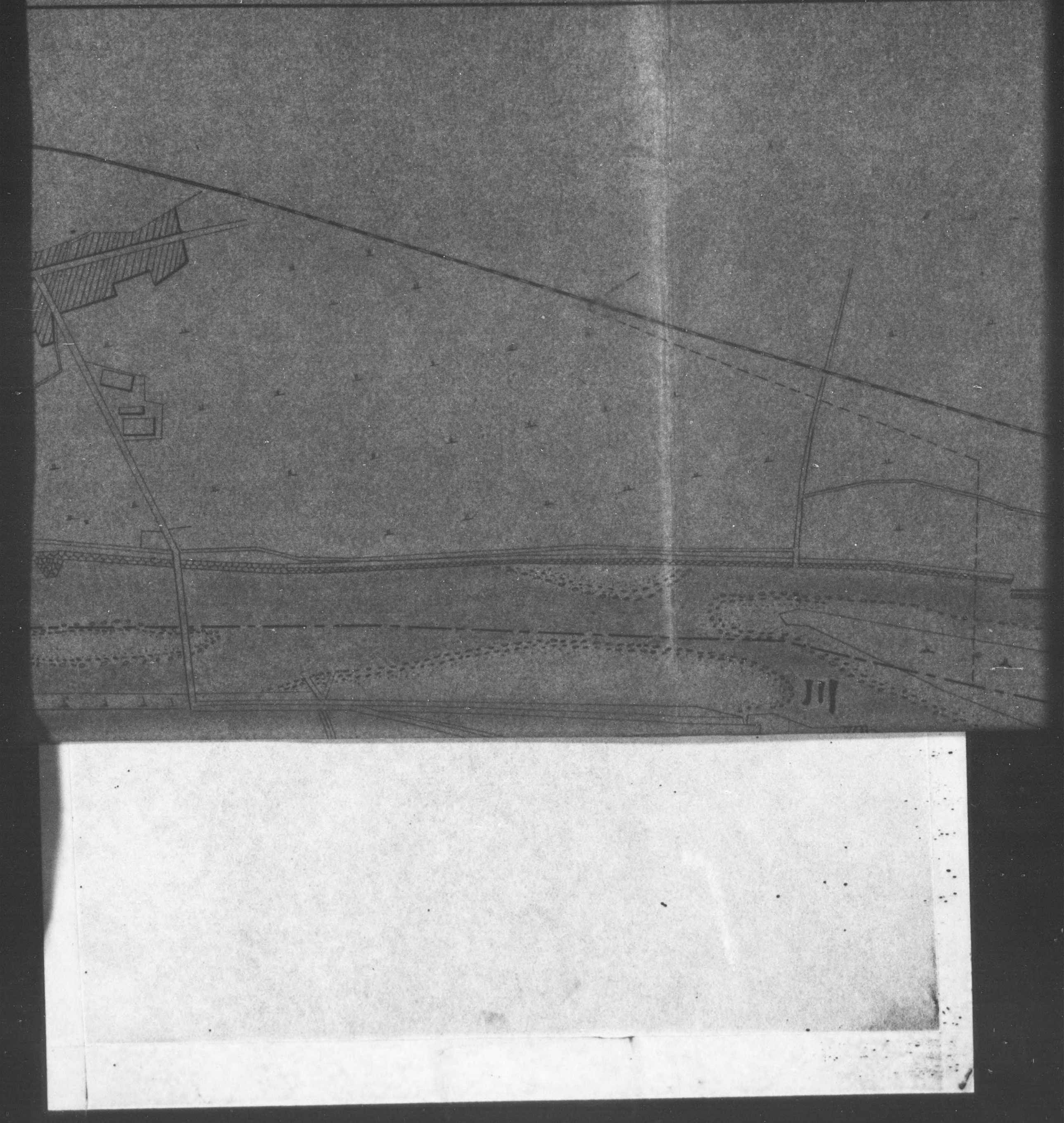

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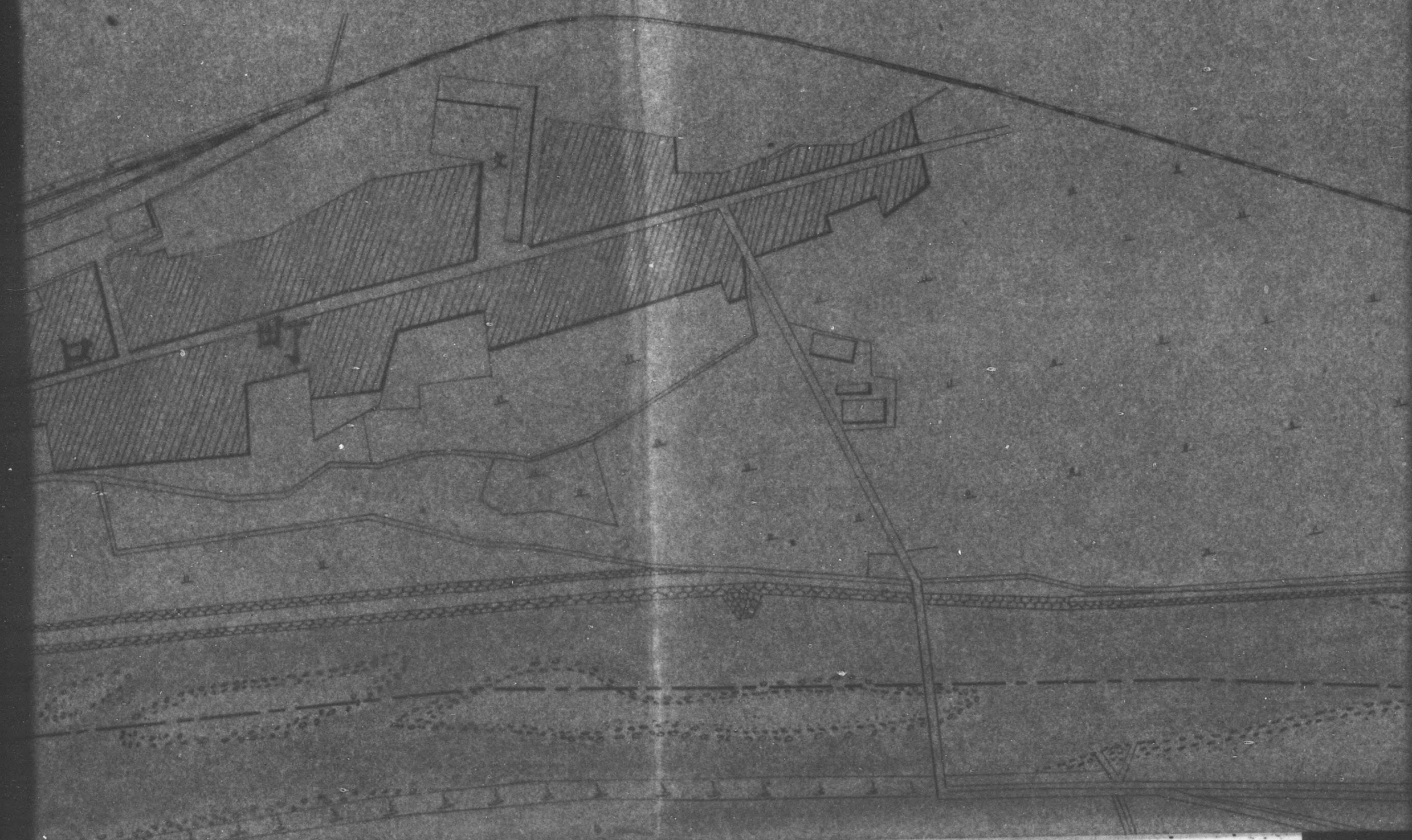

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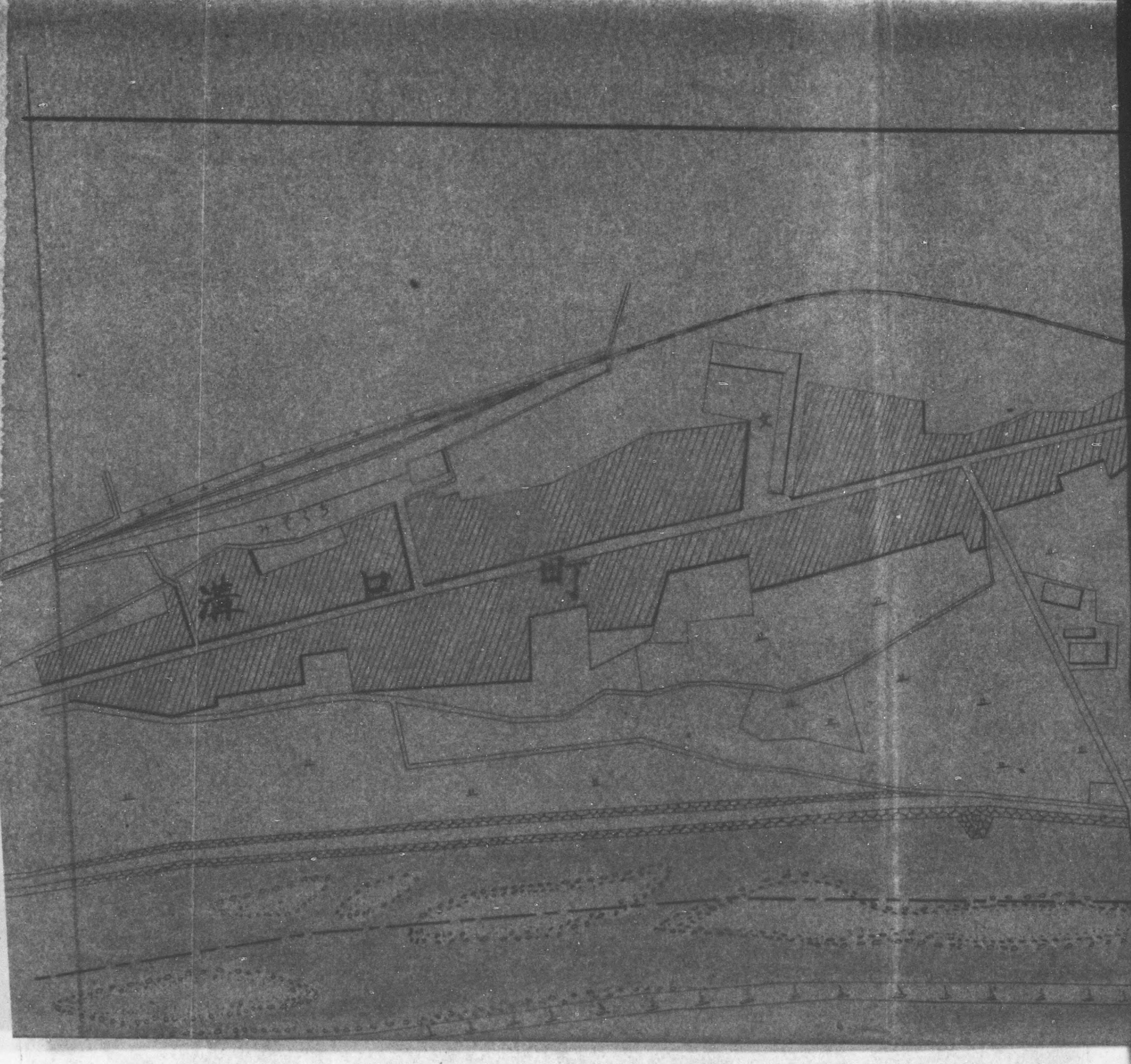

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [redacted]

縮尺二千分之一

隱岐發電所

鳥取縣西伯郡幡鄉村

古市

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

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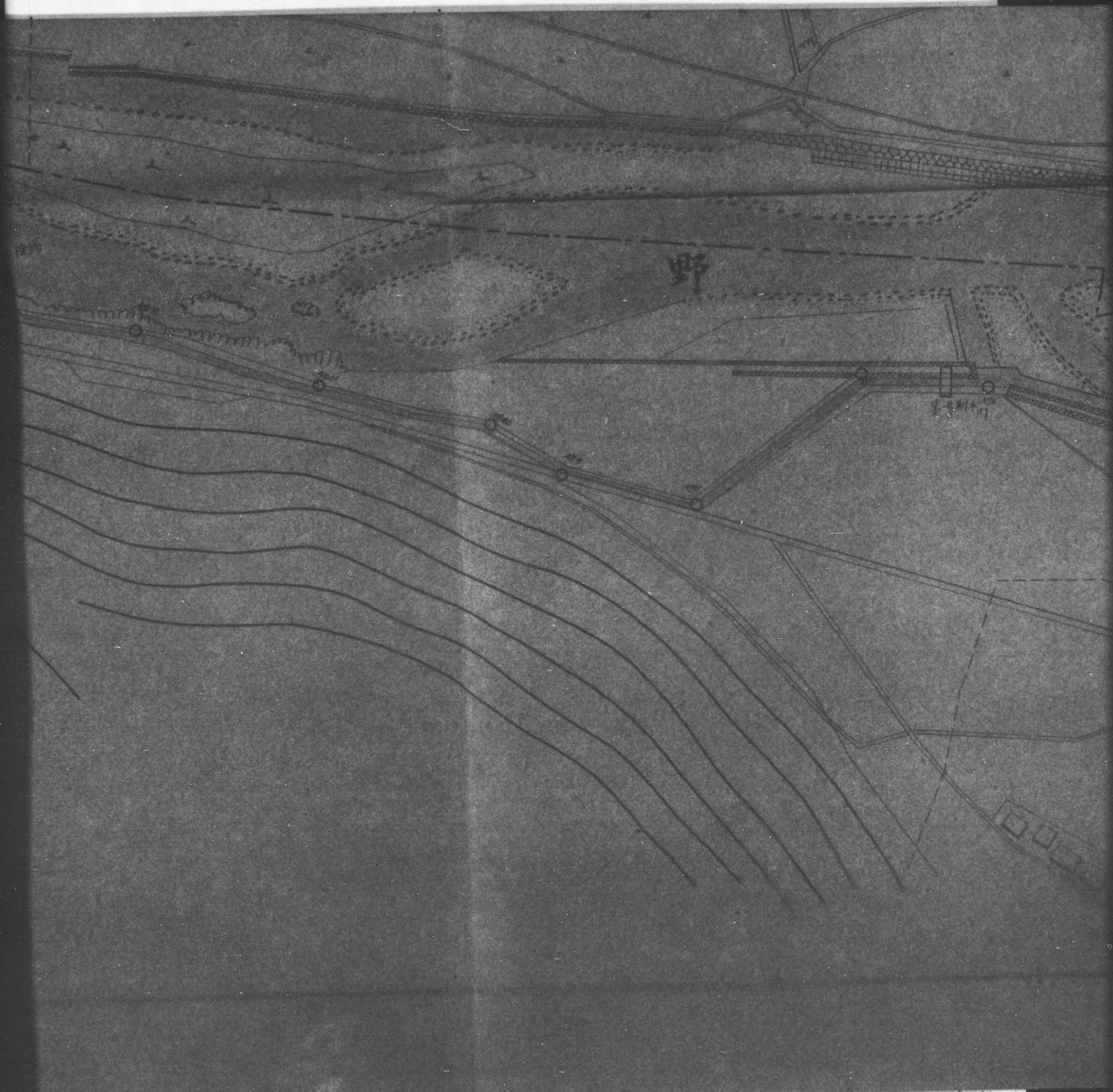

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 78013

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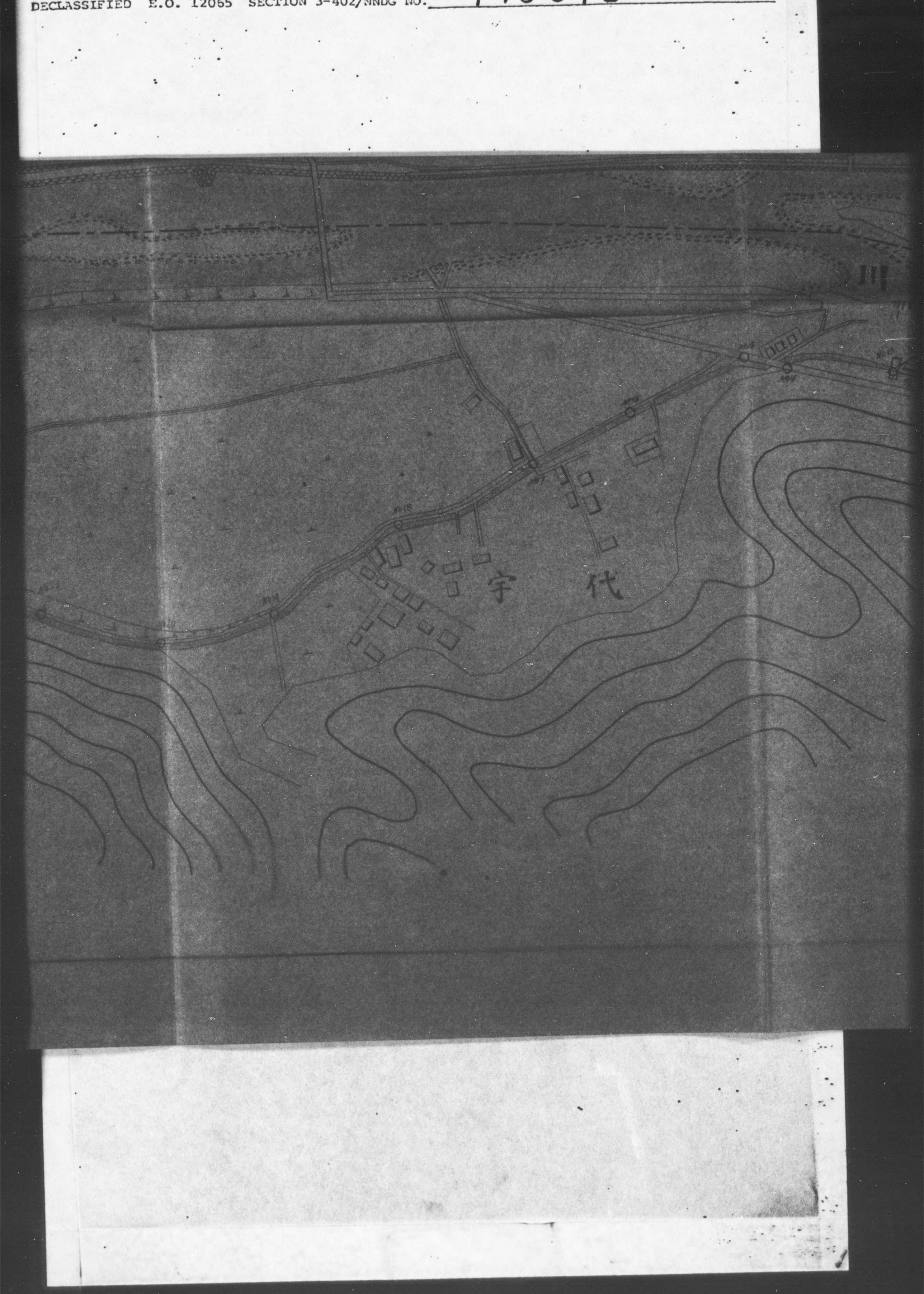

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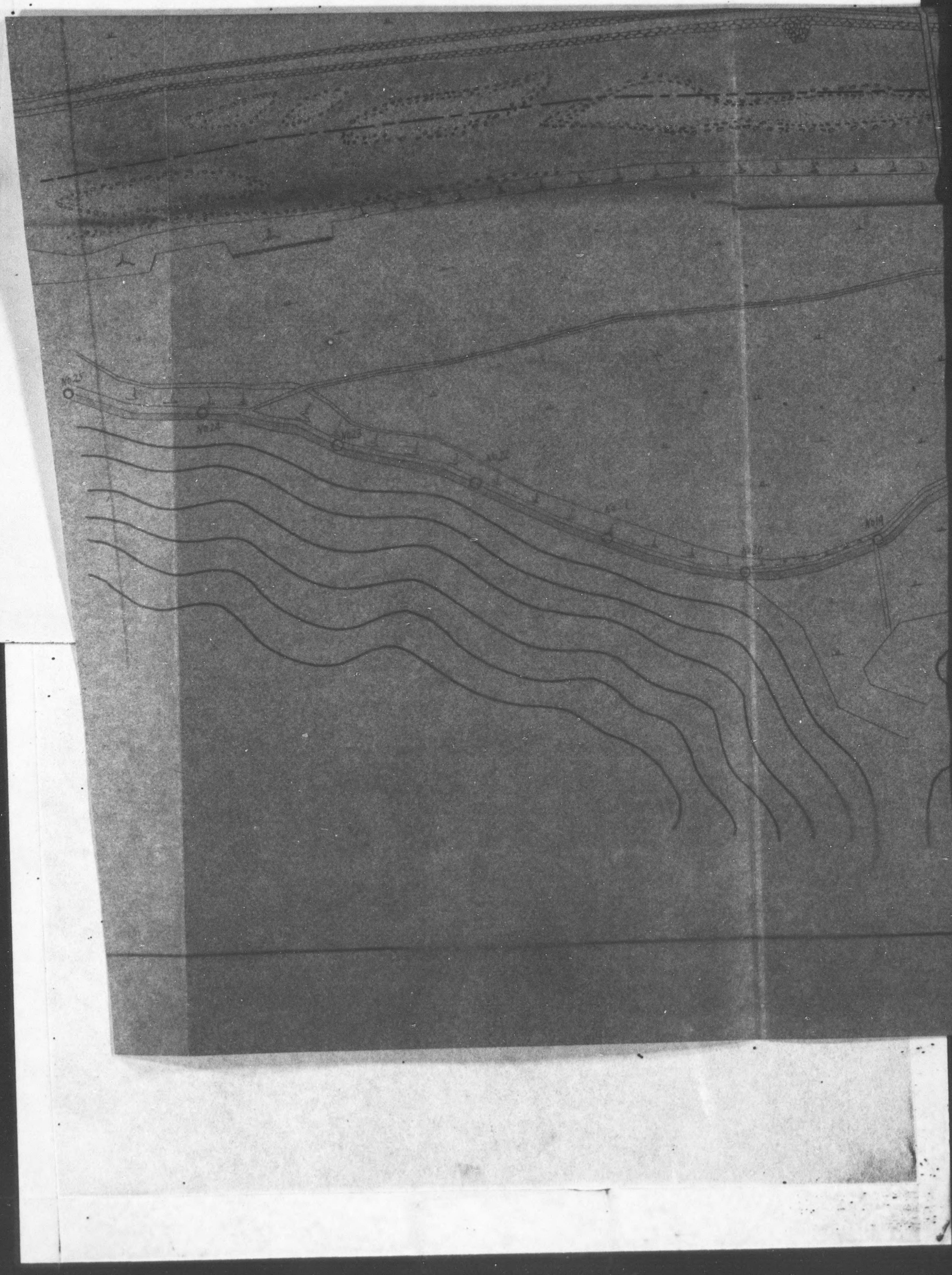

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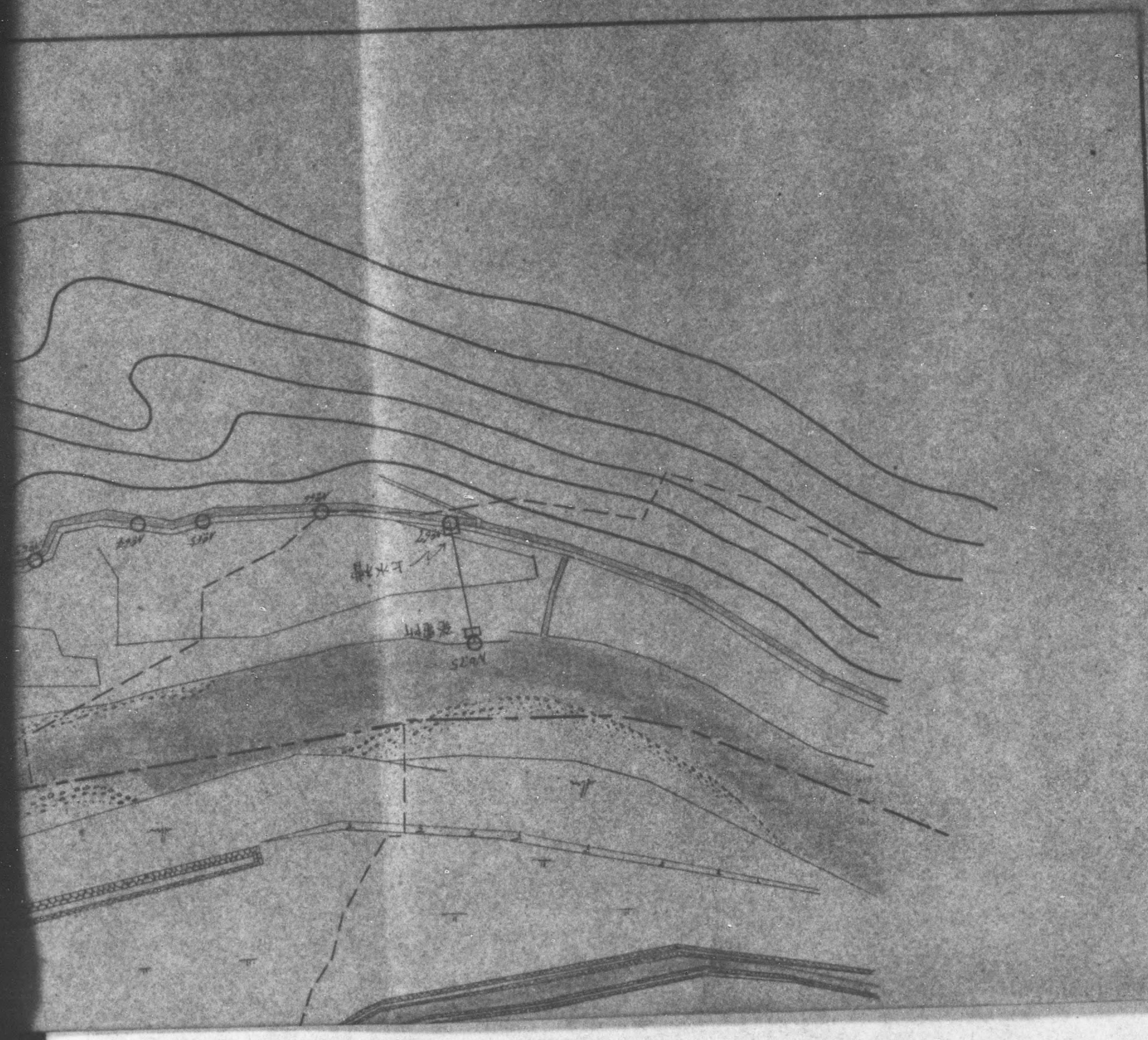

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 178018

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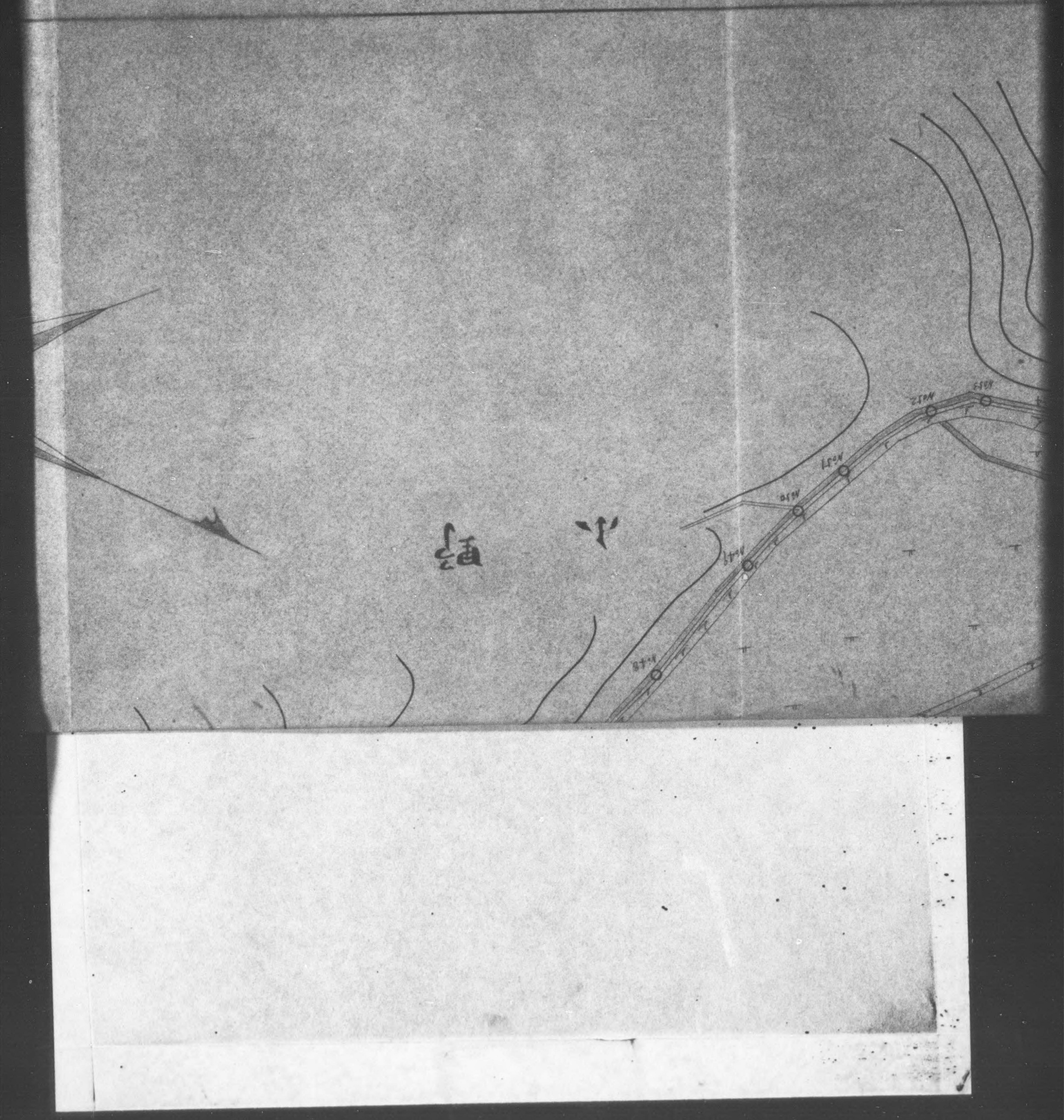

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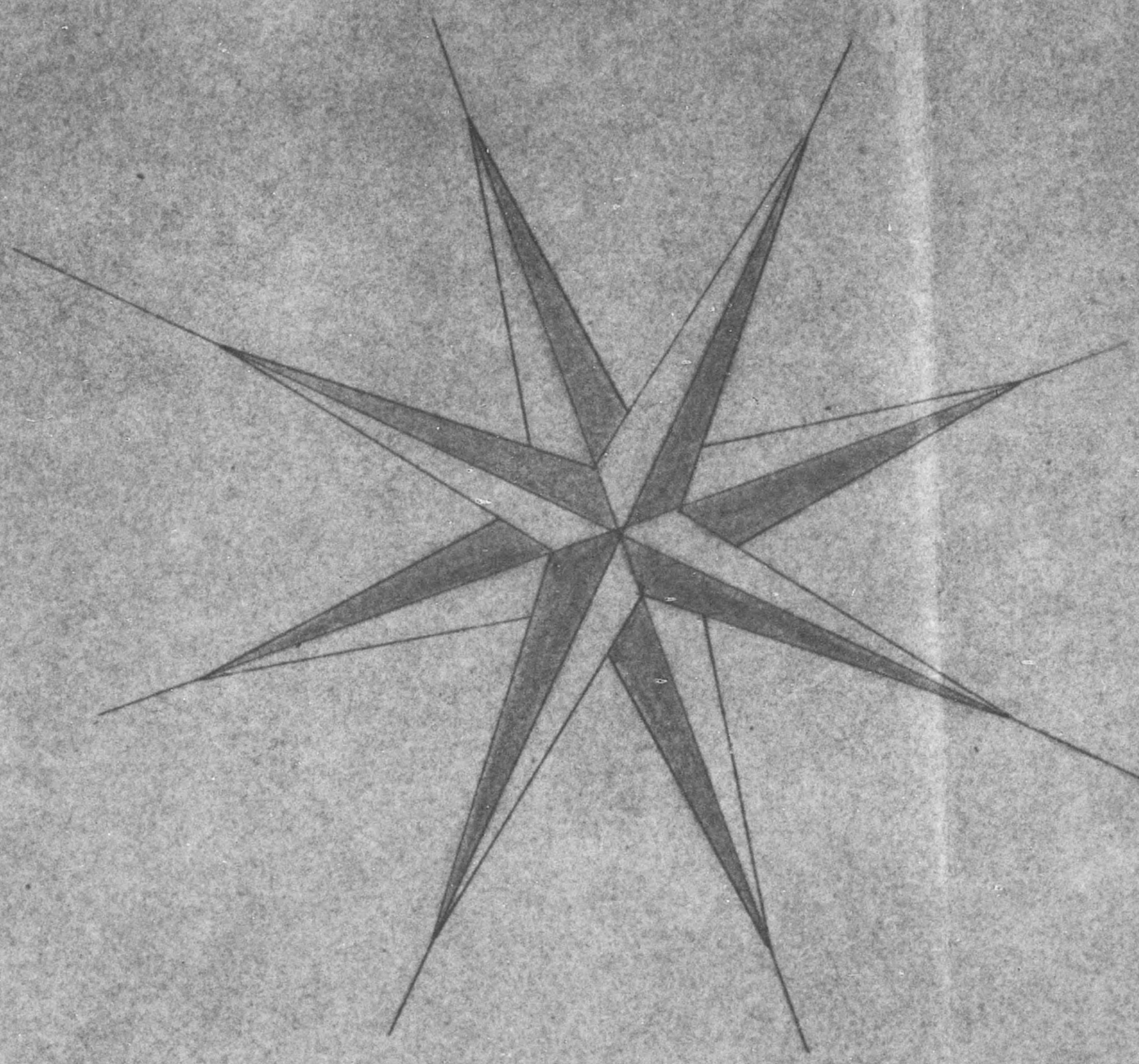

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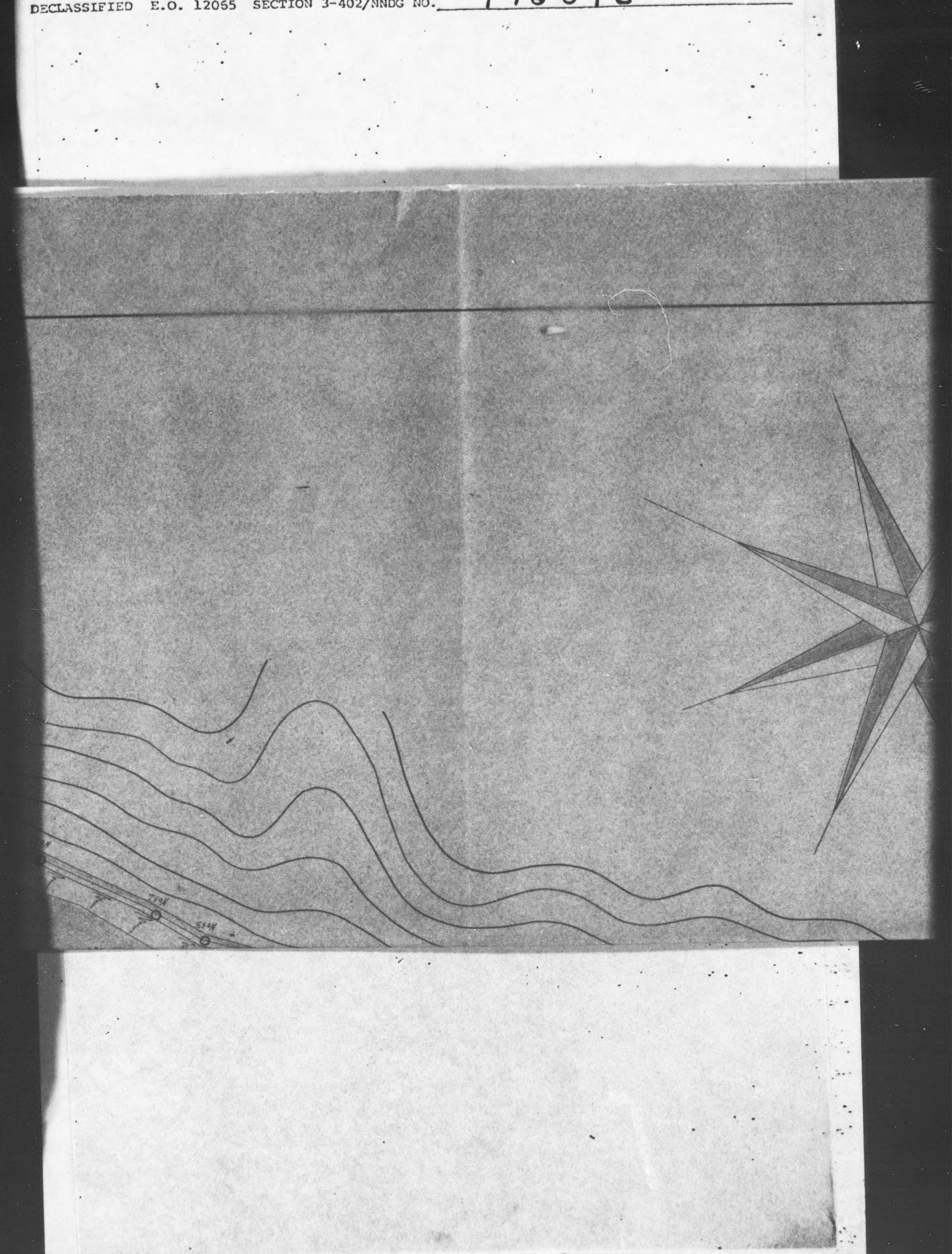

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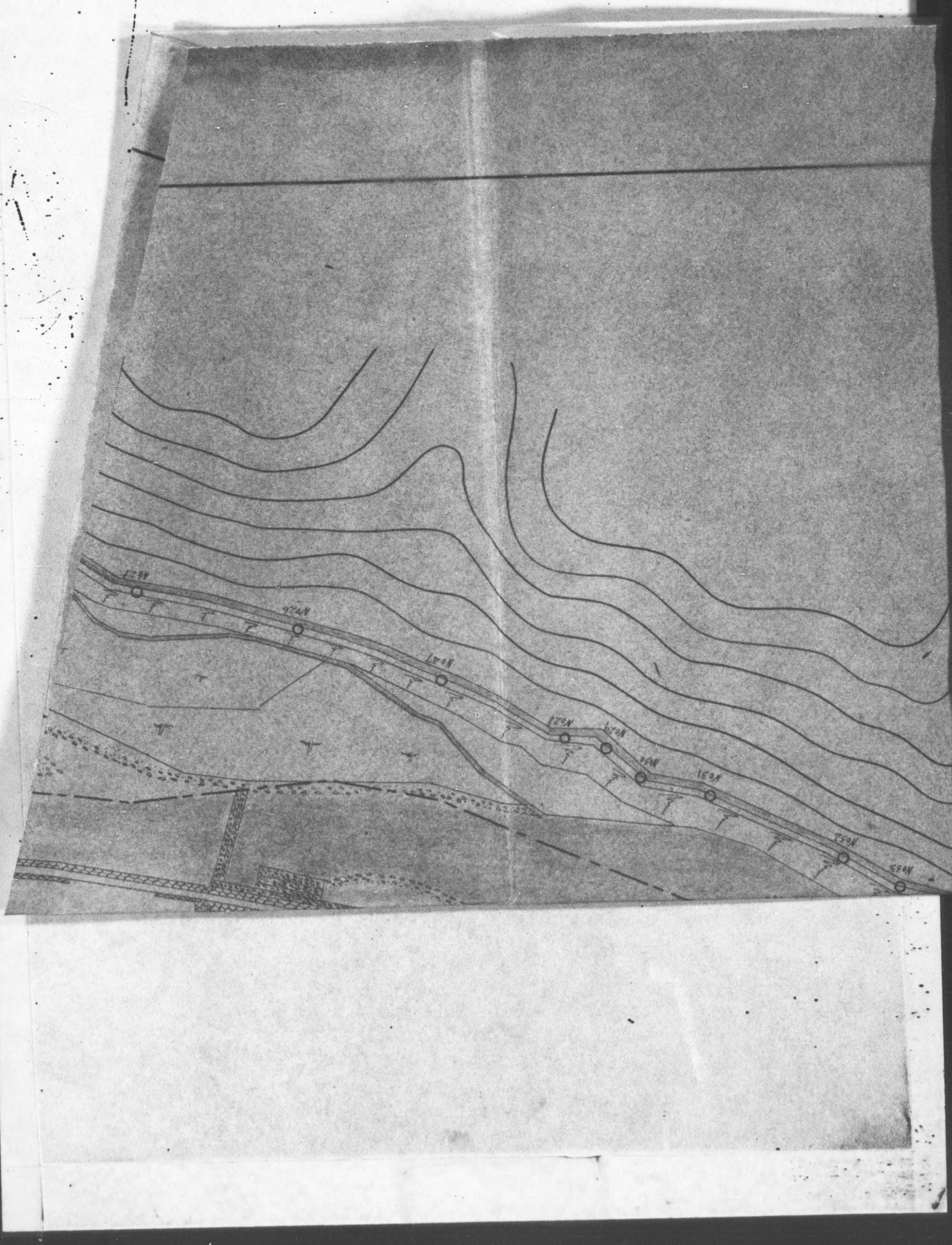

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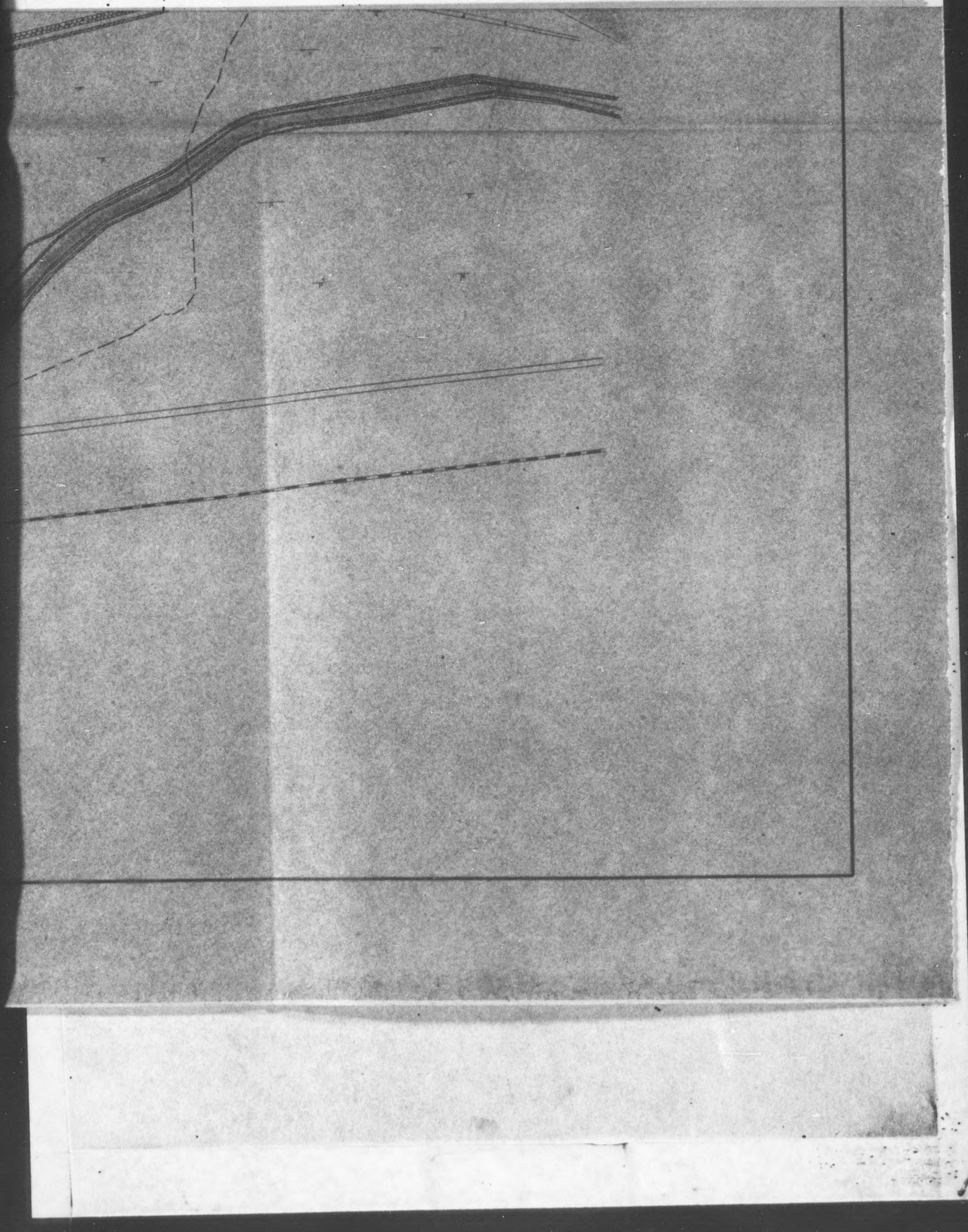

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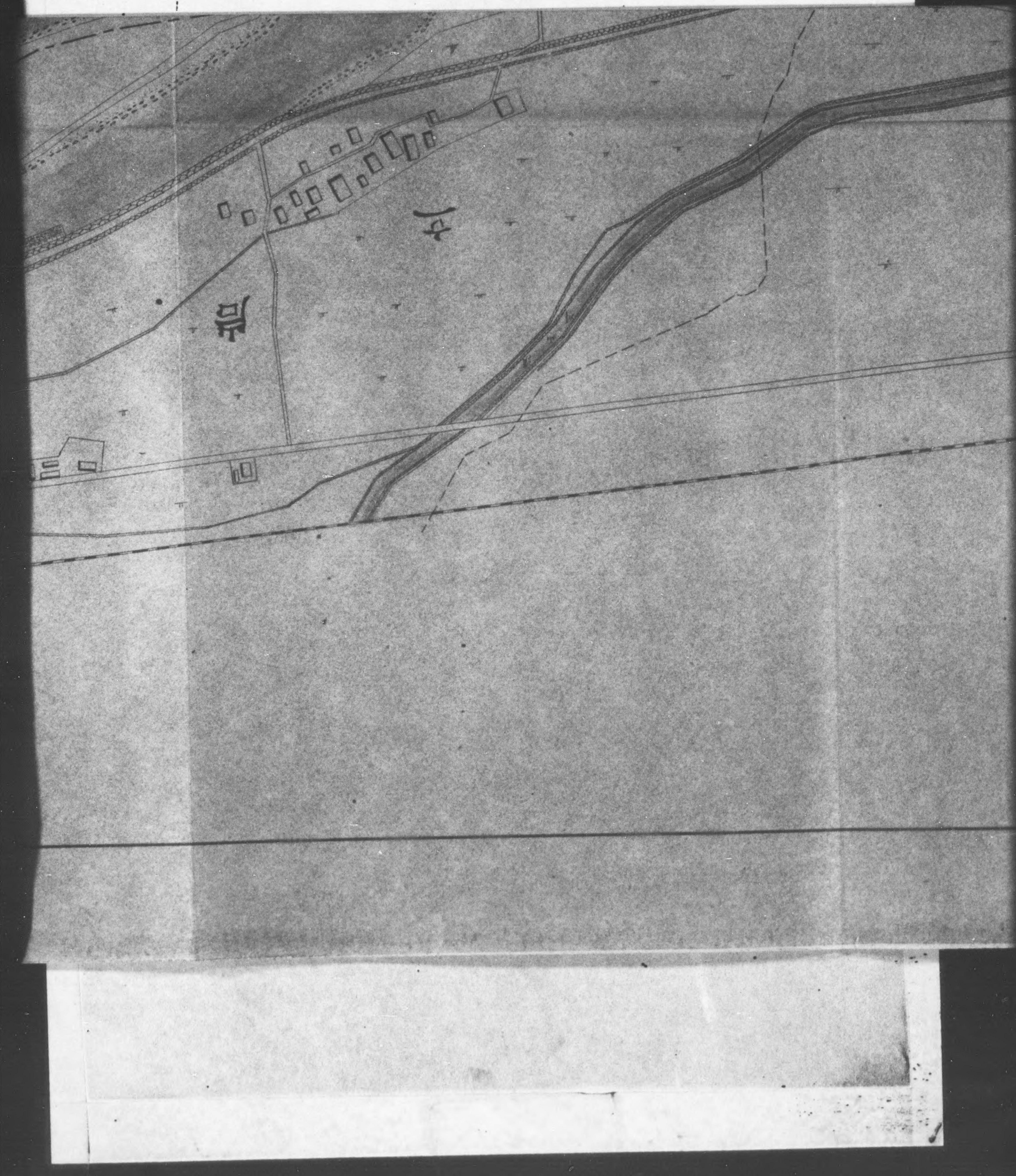

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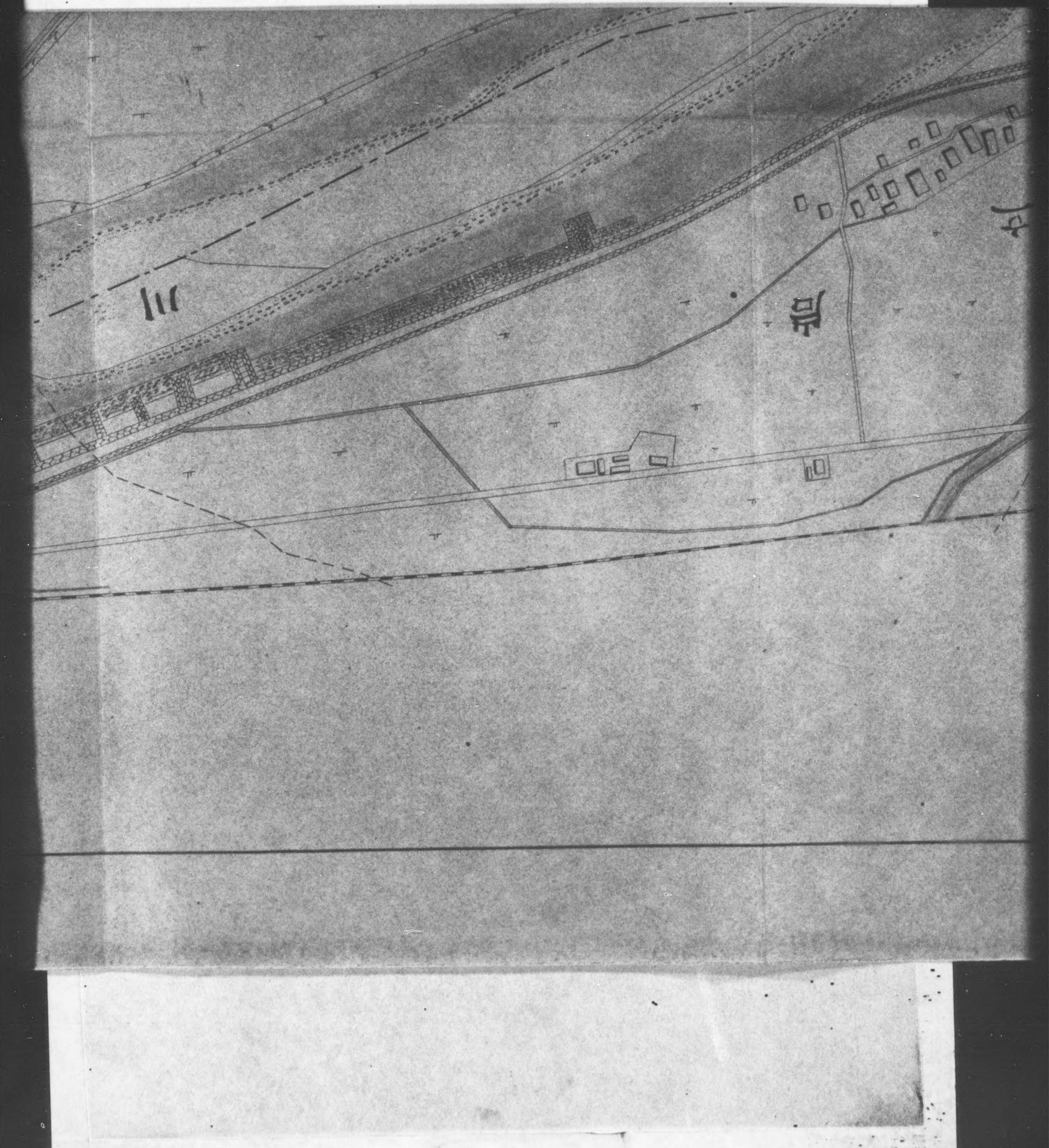

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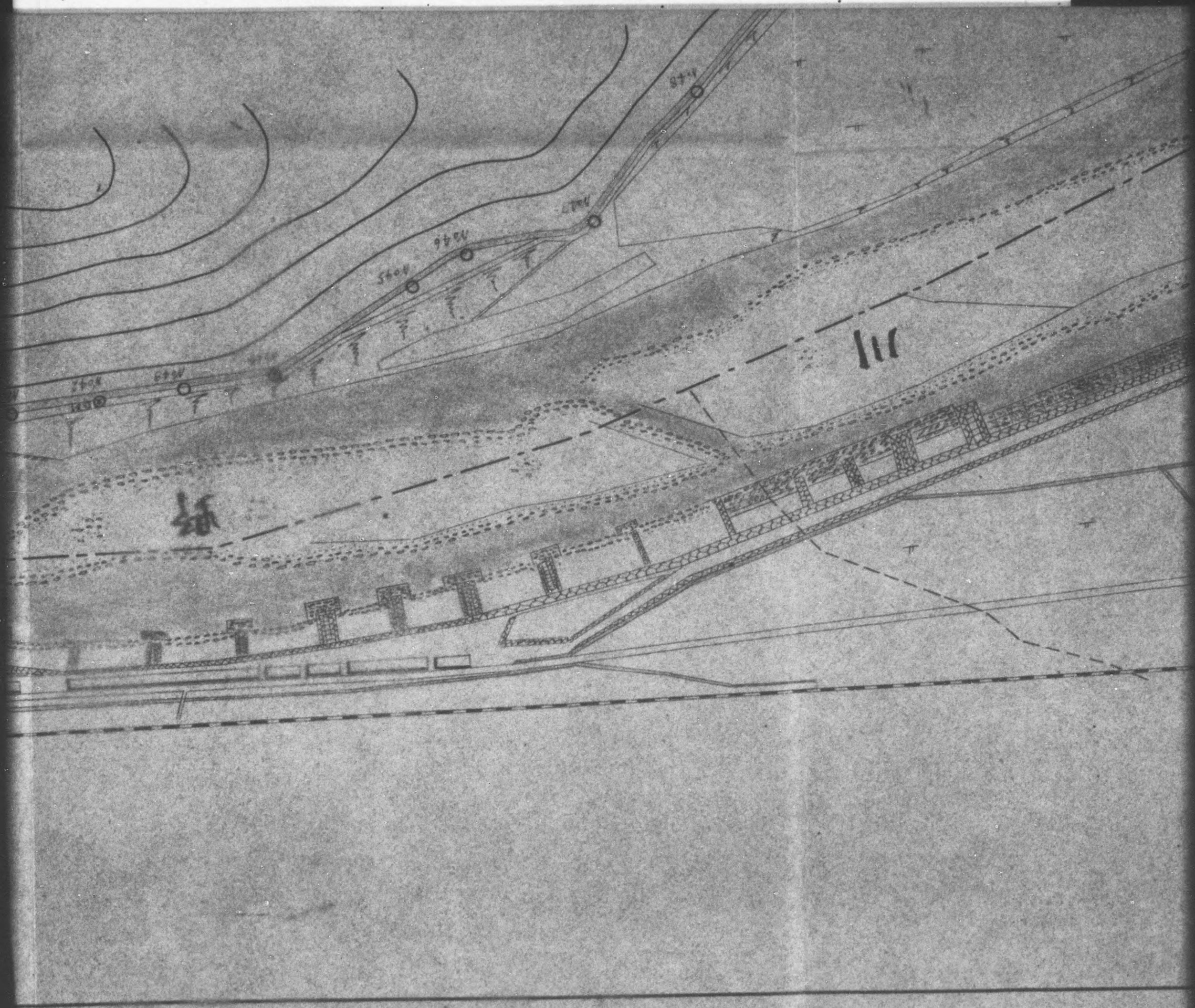

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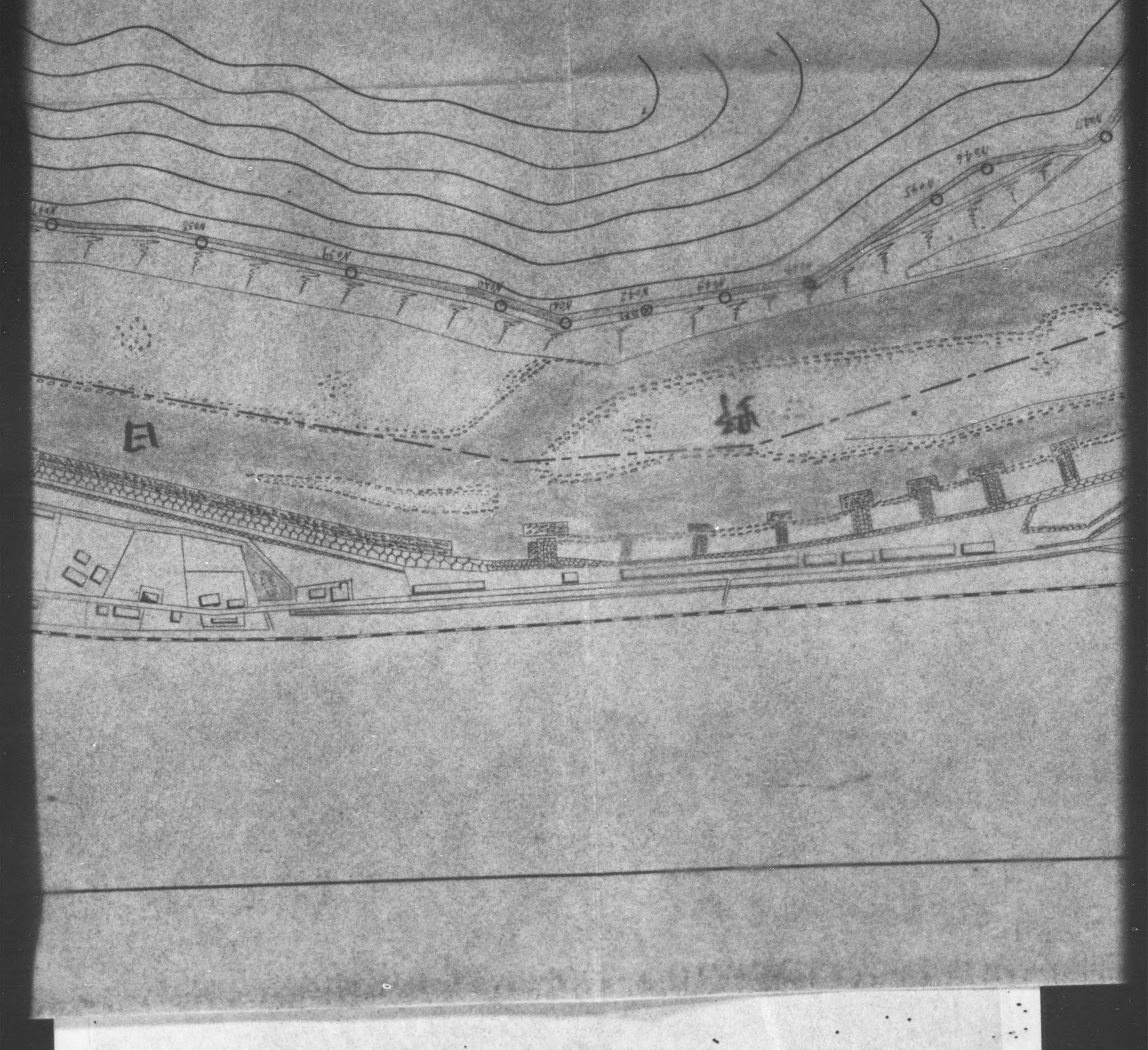

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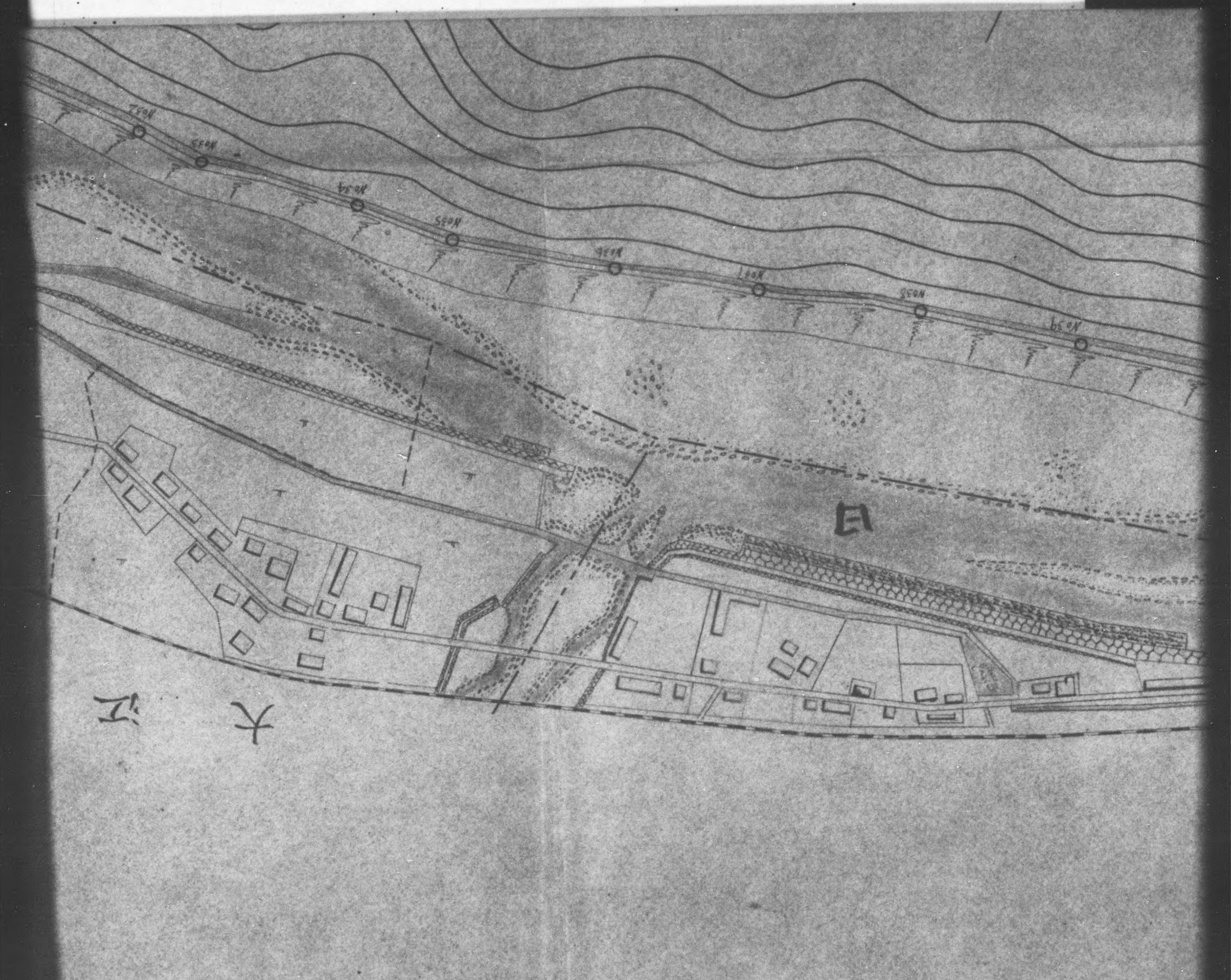
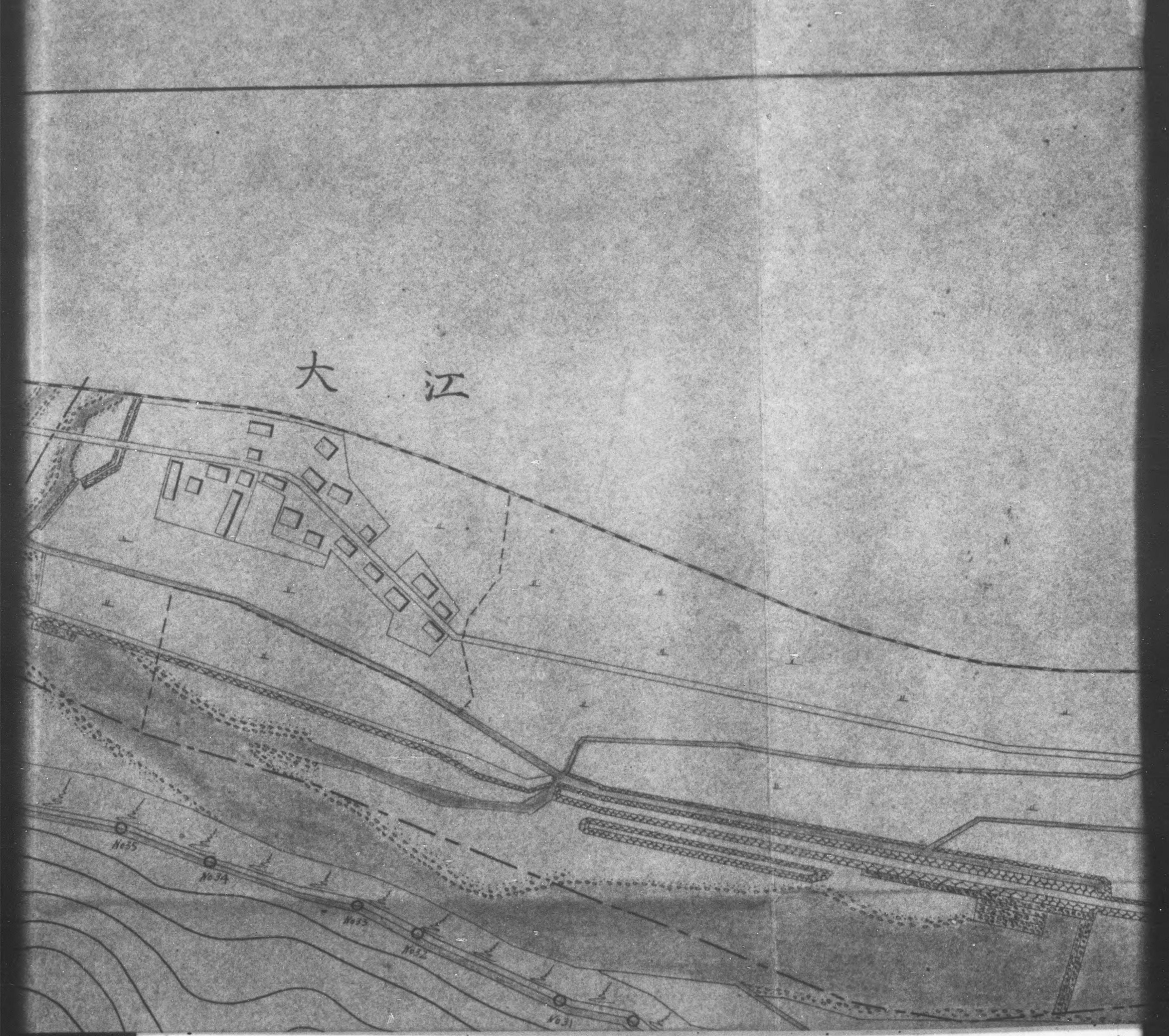




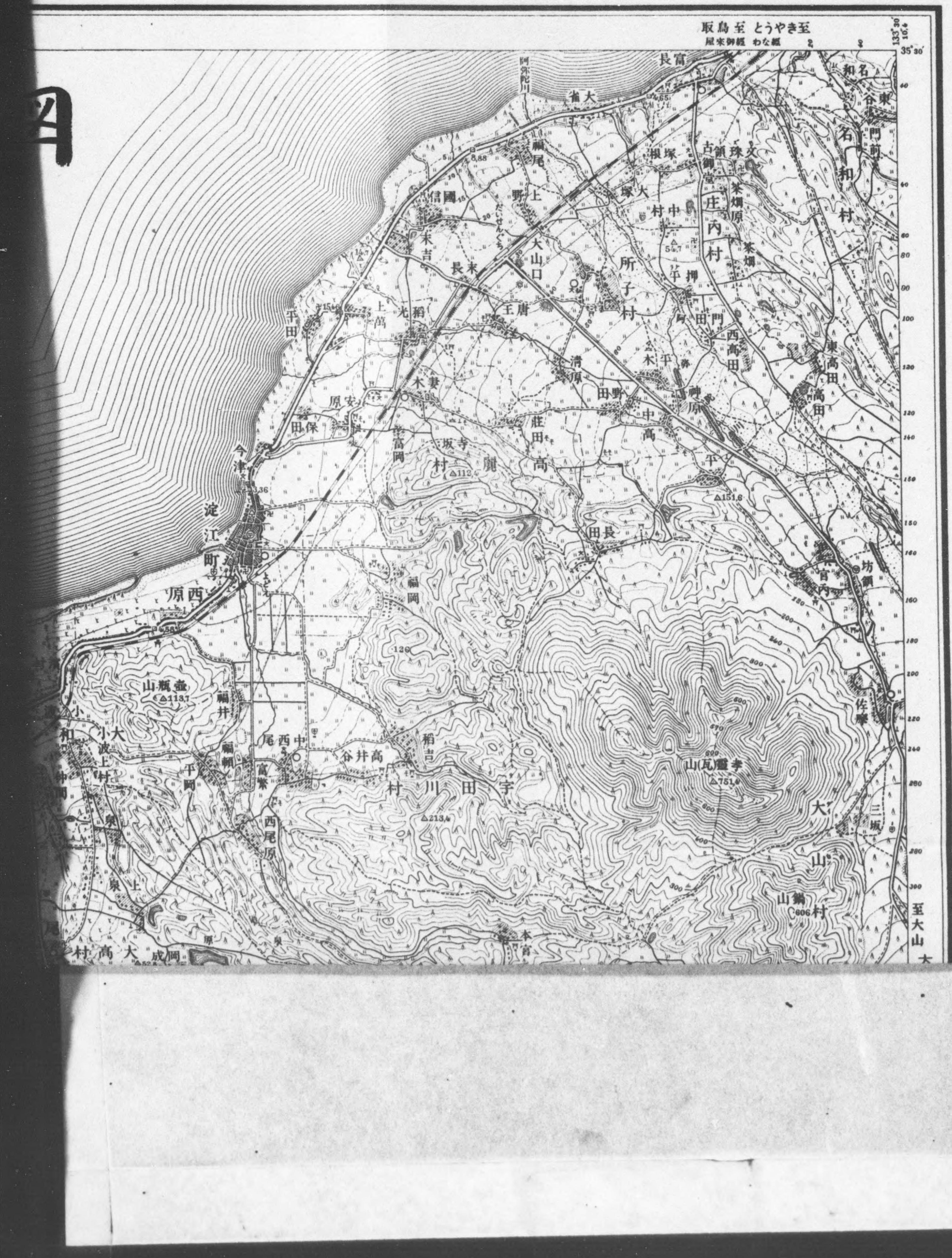
DECLASSIFIED E.O. 12065 SECTION 3-402/NNDC NO.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 78513

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 170 8

島取縣　因幡國　米子市
　　　　　伯耆國　西伯郡
　　　　　　　　　日野郡

島根縣　出雲國　能義郡



五万分一地形圖松江十二號(共八面)

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

子　米
ゴ　ナヨ

美保関

幡郷発電所平面図

美　保　湾

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77803

境	關保美	碕赤
江松		山大
田横	雨根	本湯

子ゴ

関保美

幡郷發電

美保湾

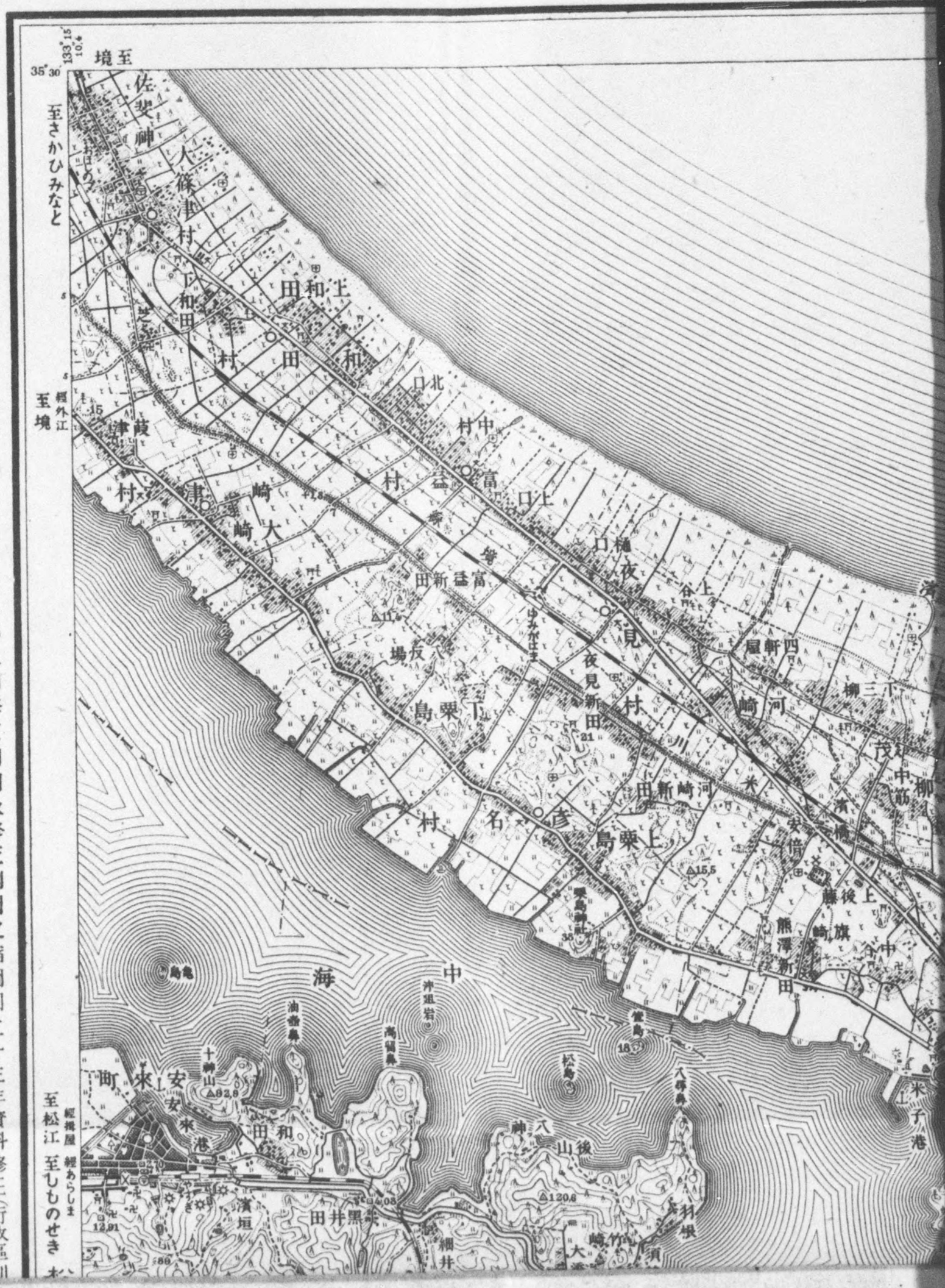
DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 78012

境	關保美	碕赤
江松		山大
田橫	雨根	本湯

明治三十二年測圖及昭和九年第二回修正測圖之縮圖昭和九年第二回修正測圖及修正測圖之縮圖同二十三年資料修正(行政區劃

號記

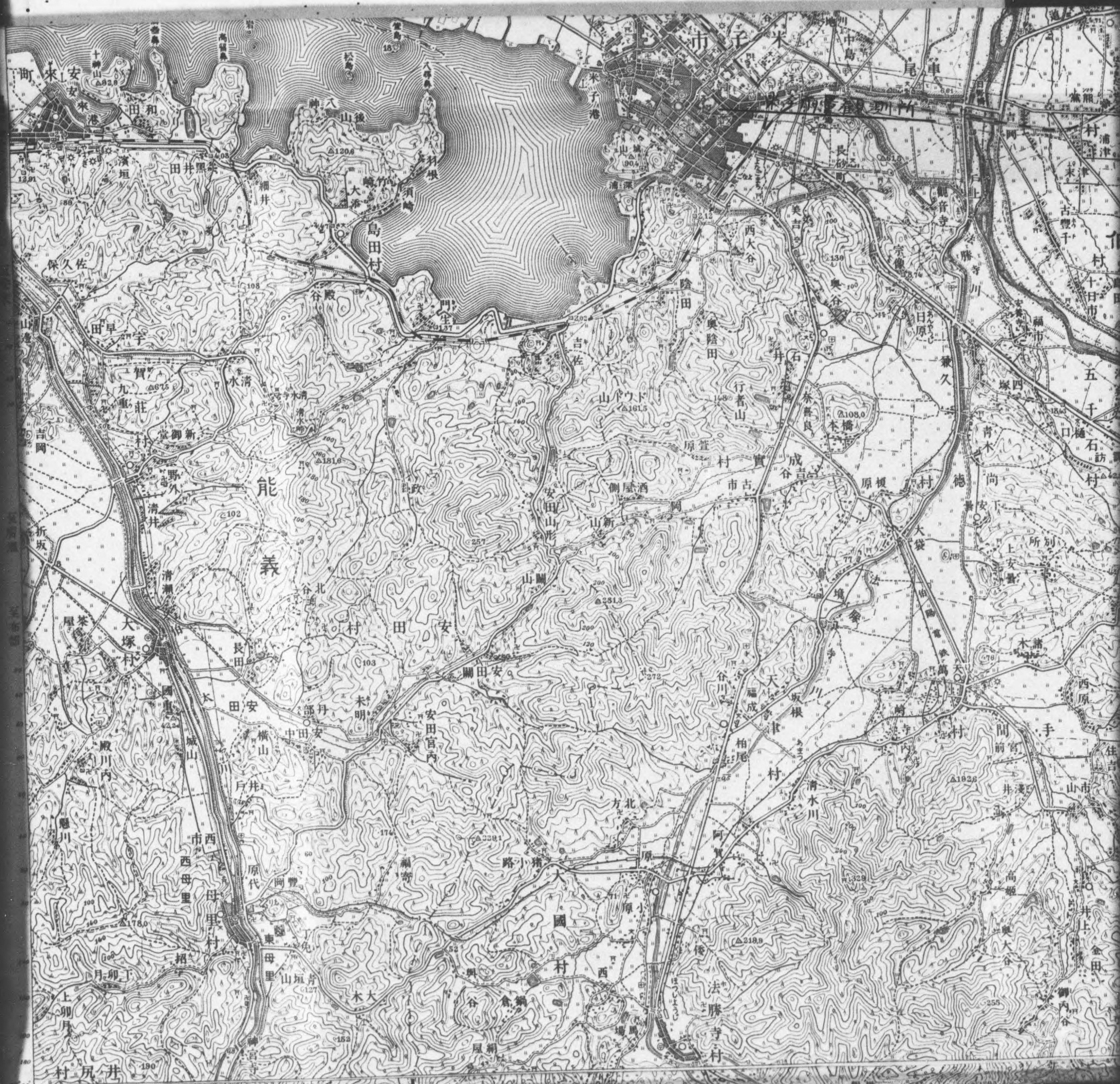
銀行		神祠	
水車房		佛宇	
坑工牆		西教堂	
牆		內國公署	
柵		外國公署	
土圍		道廳府縣廳	
水濠		支廳島廳郡役所	
墓地		市役所	
鳥居		町村役區役場所	
燈籠			
記念碑		學校	
立像		病院	
立標		避病院及隔離舍	
石段		警察署	
起重機		稅務監督局及稅務署	
煙突		刑務所	
獨立樹	針葉樹 闊葉樹	控訴院及裁判所	
三角點 △97.1	海面ヨリノ高サ	林區署	
水準點 ⊡345,27		鑛務署	
獨立標高點 ·32,5		專賣局及支局製造所	
山陵		關稅	
城墟		郵便電信(話)局及ビルヂング	
古戰場		郵便局	
火山		電信局	
礦泉		電話局	
湧泉		測候所	
材料貯藏場		製造所	
採礦地		發電所	
		國道	



DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 78019

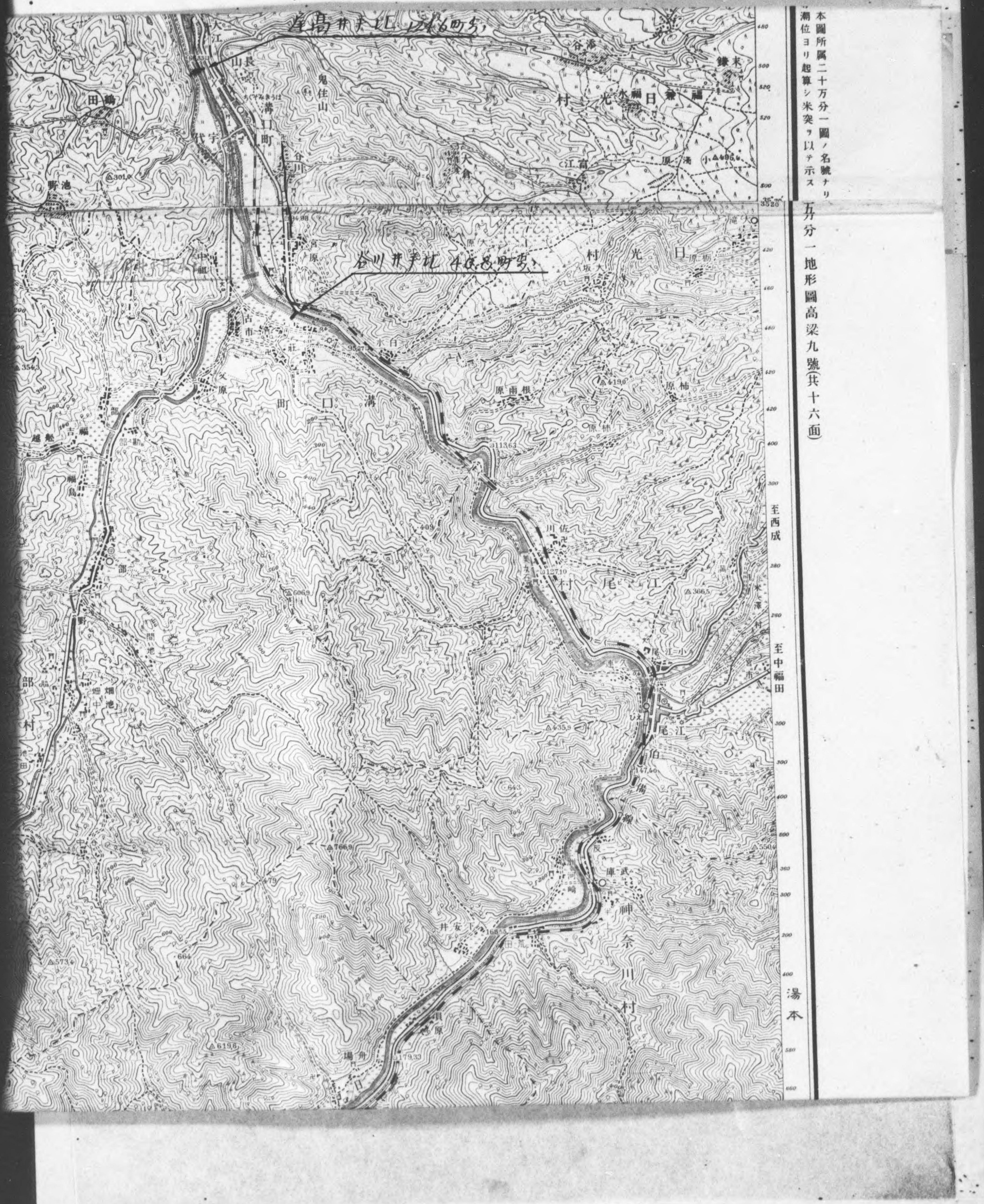
DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 76018



DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 178015

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 178012



DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO.

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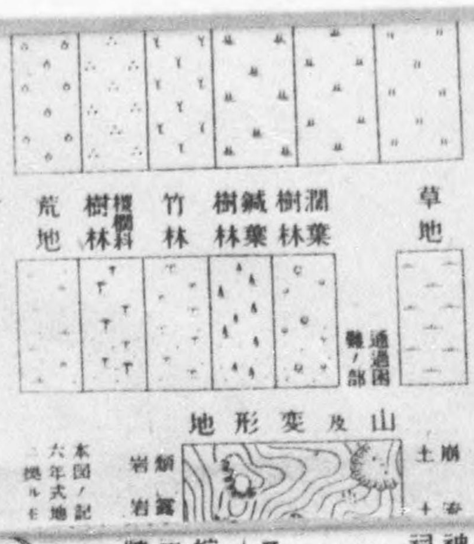
印刷兼發行者 地理調査所明治三十二年測圖昭和七年要部修正測圖