DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

GHQ/SCAP Records(RG 331)
Description of contents

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森ヶ崎系統

イ. 區域　大田區及び品川、目黒、世田谷各區の大部並びに渋谷、杉並各區の一部

ロ. 面積　約一二、二九八「ヘクタール」

ハ. 下水道延長　約二、〇二二、四〇〇米

二. 矢口喞筒場

位置　大田區矢口町及び古市町

面積　約五〇「アール」

ホ. 森ヶ崎汚水処分場

位置　大田區森ヶ崎町

面積　約一八一八「アール」

主要設備　沈砂池、喞筒場、第一沈澱池、曝気槽、第二沈澱池、汚泥消化槽、風斯タンク汚泥乾燥床等

以上

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775043

落合系統

イ、區　域　中野區及び杉並區の大部並びに新宿、世田谷、渋谷、豊島、[redacted]練馬各區の一部

ロ、面　積　約六、一六二「ヘクタール」

ハ、下水道延長　約九六七、三〇〇米

二、落合汚水処分場

位　置　新宿區上落合一丁目

面　積　約八二六「アール」

主要設備　沈砂池　喞筒場、第一沈澱池、曝気槽　第二沈澱池、汚泥調整槽等

ホ、落合、小台間送泥管

落合汚水処分場より新宿區豊島區及び北區を経て鉄管にて荒川を渡り小台汚水処分場に入る。

延　長　約九、四〇〇米

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

小台系統

区域　北、板橋、各區の大部及び豊島、練馬、足立各區の一部

面積　約四〇一九「ヘクタール」

下水道延長　約四八二、七〇〇米

イ、ロ、ハ、ニ、ホ

袋町喞筒場

位置　北豊島郡袋町一丁目 ~~板橋区袋町~~

面積　約一〇「アール」

小台汚水処分場

位置　足立区南宮城町

面積　約一九八三「アール」

主要設備　沈砂池、喞筒場、第一沈澱池、曝気槽、第二沈澱池、汚泥消化槽、瓦斯タンク、汚泥乾燥床等

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775-013

ワ

小松川喞筒場

位　置　江戸川區逆井一丁目

面　積　約五五「アール」

カ

大島喞筒場

位　置　城江東区大島町大丁目

面　積　約六九「アール」

ヨ

砂町喞筒場

位　置　城江東區南砂町六丁目

面　積　約六六「アール」

タ

砂町汚水処分場

位　置　城江東區南砂町九丁目

面　積　約三、三八〇「アール」

主要設備　喞筒場　第一沈澱池　曝気槽　第二沈澱池　汚泥調整槽　汚泥消化槽

瓦斯タンク汚泥乾燥床等

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775-013

位置　江東區深川越中島町
面積　約一〇「アール」

リ.

千住西卸筒場
位置　足立區千住桜木町
面積　約四〇「アール」

又.

千住卸筒場
位置　足立區千住曙町
面積　約四九「アール」

ル.

白鬚卸筒場
位置　墨田区寺島町三丁目
面積　約五四「アール」

ヲ.

吾嬬卸筒場
位置　墨田区吾嬬町東五丁目
面積　約五九「アール」

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775-013

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

ハ　下水道延長　約八一六一〇〇米

ニ　業平橋啣筒場

位　置　墨田區吾妻橋三丁目

面　積　約四四「アール」

ホ　三之橋啣筒場

位　置　墨田区堤三四丁目

面　積　約四七「アール」

ヘ　木場啣筒場

位　置　江東區深川豊住町三丁目

面　積　約八九「アール」

ト　月島啣筒場

位　置　中央區新佃島東町一丁目

面　積　約一〇「アール」

チ　浅草島啣筒場

ヲ. 面　積　約三一「アール」

三河島汚水処分場

イ. 位　置　荒川區三河島町二丁目及び同八丁目

ロ. 面　積　約一、八四九「アール」

主要設備　沈砂池、喞筒場、第一沈澱池　曝気槽、第二沈澱池、沪過床等

ヌ. 三河島砂町間送泥管

三河島汚水処分場より鉄管にて荒川を渡り足立區墨田區及び江東區を経て砂町汚水処分場に入る。

延　長　約一三、九〇〇米

砂町系統

イ. 區　域　墨田、江東各區及び中央、足立、江戸川各區の一部

ロ. 面　積　約三、八一七「ヘクタール」

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775-013

ト、橋場喞筒場

位　置　荒川區南千住三丁目

面　積　約大「アール」

チ、汐入喞筒場

位　置　荒川區南千住十丁目

面　積　約九「アール」

リ、南千住喞筒場

位　置　荒川區南千住八丁目

面　積　約一大「アール」

又、地藏堀喞筒場

位　置　荒川區南千住七丁目

面　積　約七「アール」

ル、町屋喞筒場

位　置　荒川區三河島町九丁目

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

ヘ、下水道延長　約一、六三六、四〇〇米

ホ、錢瓶町喞筒場

位置　千代田區大手町二丁目

面積　約一三五「アール」

ヘ、芝浦汚水処分場

位置　港區芝高浜町
（仝　芝海岸通五丁目）

面積　約～~~一、六一三~~「アール」

主要設備　沈砂地、喞筒場、第一沈澱池、曝気槽、第二沈澱池、汚泥消化槽、瓦斯タンク、汚泥乾燥床等

芝浦森ヶ崎間送泥管

芝浦汚水処分場より港区、品川区、及び大田區を経て森ヶ崎汚水処分場に入る。

延長　約九、五〇〇米

イロハ、東品川、目黒、世田谷、北、荒川各區の一部、

約八、〇六五「ヘクタール」

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

三 河島系統

	區域	面積	位置	面積
イ.	台東、荒川、各區の大部及び千代田、文京、北各區の一部	約一、七九四「ヘクタール」		
ロ.		約五四三、六〇〇米		
ハ.	下水道延長			
二、	和泉町喞筒場		千代田區神田和泉町	約五「アール」
ホ	田町喞筒場		台東區浅草日本堤二丁目	約三二「アール」
ヘ.	山谷喞筒場		台東區浅草橋場三丁目	約五「アール」

第四、なお高地區の下水は自然流下に依り低地區の下水は喞筒を用いて之を排除する。

第五、下水処分に就ては雨水は適所に雨水吐を設けて河海濠池等に放流するが汚水は凡て之を処分場に導き処理した後東京湾、荒川及び神田川に排出する。但し合流法に依る地域は最大汚水量に達する迄の雨水は汚水と共に之を処理する。

第六、下水管渠の構造に就ては雨水渠雨水吐等特殊の場合の外は凡て暗渠式とし排水量の多少に応じて陶管、鉄筋混凝土管及び現場打鉄筋混凝土渠の三種を併用する。

地勢に依り排水区域を芝浦系統、三河島系統、砂町系統、小台系統、落合系統、及び森ヶ崎系統の六系統に分割する。

各系統に属する區域、面積、下水道配布の延長及び設備の大要は次の通りである。

但し実際工事の情況に依つて多少の変更を見る事がある。

一、芝浦系統

區域　港區及び千代田、中央、新宿、文京、渋谷、豊島、各區の大部並びに台

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775-013

東京都市計画下水道

第一、下水排除區域は千代田、中央、港、新宿、文京、台東、墨田、江東、品川、目黒、大田、世田谷、渋谷、中野、杉並、豊島、北、荒川、の各區及び板橋區の大部並びに練馬、足立、江戸川各區の一部で総面積約三六、一五五「ヘクタール」の區域内とする。但し地勢の関係に因り汚水、雨水の本區域内に流入する市町村一部の下水は之を收容する計画とする。

第二、下水排除量は~~市部人口を基礎とし計画の排除~~區域内人口を約六百三十~~万~~三百三十人と定め汚水量は最大一人當り一日~~二百小~~「リットル」とし雨水量は一時間最大降雨量を四十粍として之を定める。但し特定の區域に於ては一時間最大降雨量を五十粍として計算する。

第三、下水排除方法は地勢に應じ合流法又は分流法に依りて排除する。合流法は汚水、雨水を同一管渠に導きて收容排除し、分流法は汚水を管渠に導き雨水を在来の排水施設及び管渠に依りて排除する。

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775-013

東京都市計画下水道

二四・二・二二

Sewage Project

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775-013

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

8 FEB 49

PUBLIC WORKS(CD-LL)

Visited the Sewage Disposal Section of the Health Bureau of Tokyo-To on 8 February 1949 to obtain firsthand information on construction and repair projects underway or planned. The section requested Y18,000,000 at the Special Budget Committee meeting in December 1948 but was turned down and told to wait until the meeting of the Tokyo-To Assembly in late March or early April this year. The appropriations were to repair the sewage disposal plant at Aiyase, Katsushika Ward. The official in charge said the purchasing of 200-ton of cement would be the only obstacle regarding materials needed for the project. The project was scheduled to start 10 February 1949 and the target date October 1949. This plant disposes of waste brought either by wagon, truck or barges and then treated and the purified and solidified waste then used as fertilizer. The plant handles waste from Koto, Arakawa, Honjo, Fukagawa, Shitaya and Asakusa sections.

The section intended to requesting Y250,000,000 at the coming meeting of the Tokyo-To Assembly for the construction of 20 digestion tanks at the Sunamachi, Joto Ward, sewage disposal plant, and to model it after the plant at Shibaura. Since prospects of receiving this sum are slim, the section will present a 3-Year Plan to the Assembly and ask for Y80,000,000 annually. This plant takes care of Sumida and Koto Wards.

The city has two other disposal plants, one at Shibaura which takes care of Bunkyo, Toshima, Shinjuku, Minato, Chiyoda, Chuo and Shinagawa Wards, and one at Mikawashima, Arakawa Ward, which takes care of Daito, part of Chiyoda, part of Bunkyo, part of Chiyoda, Arakawa and part of Adachi Wards.

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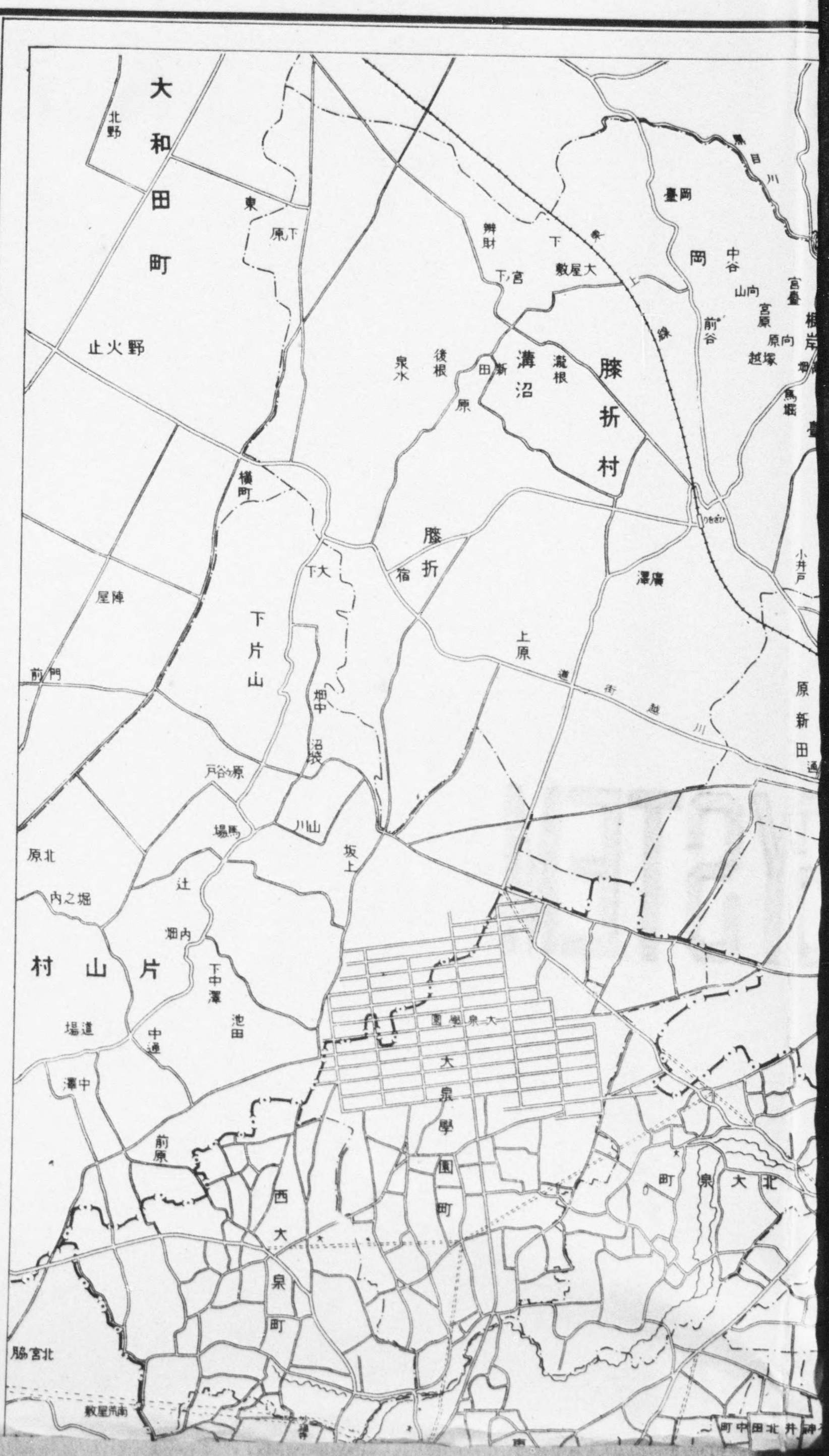
DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013



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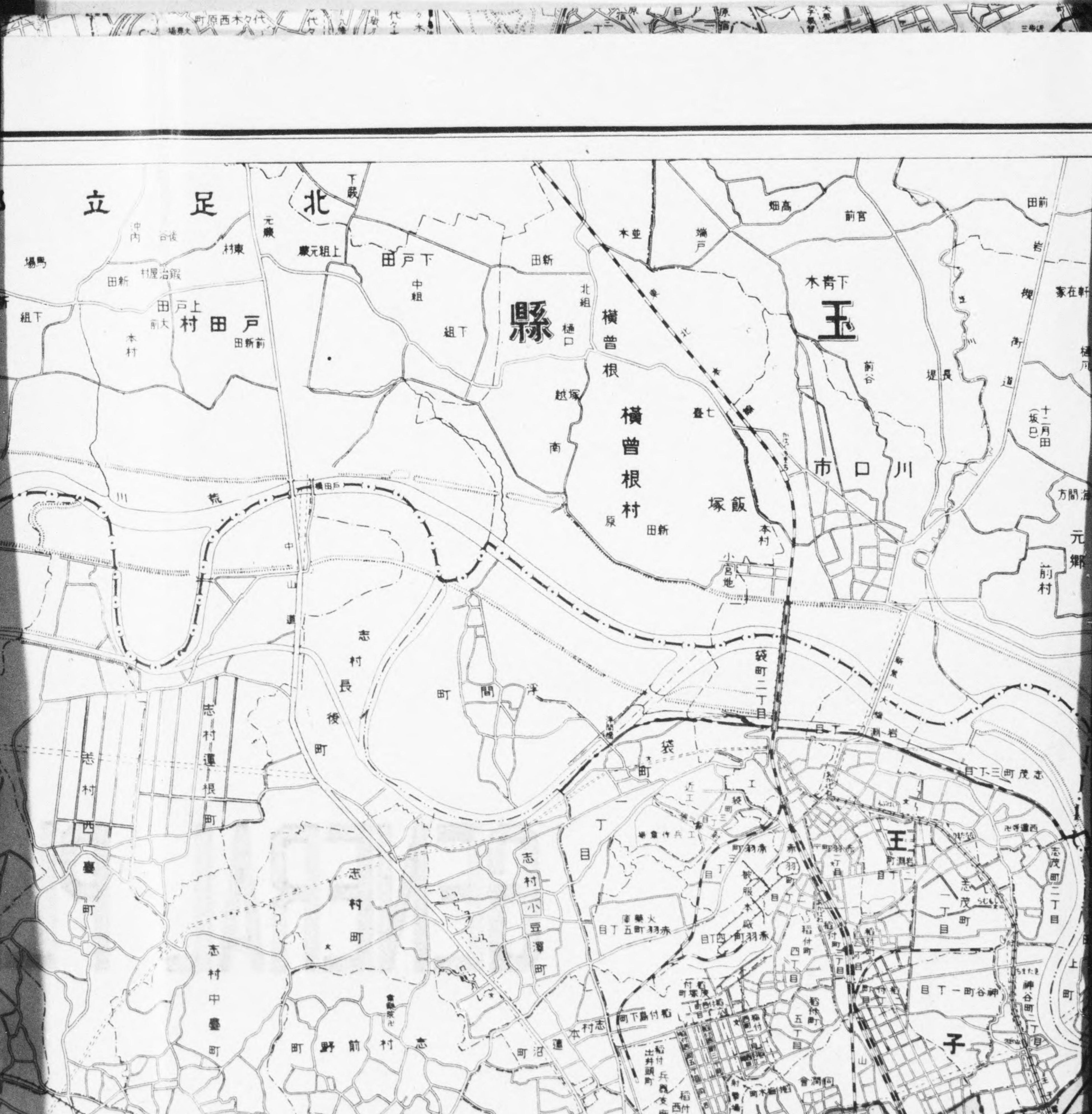

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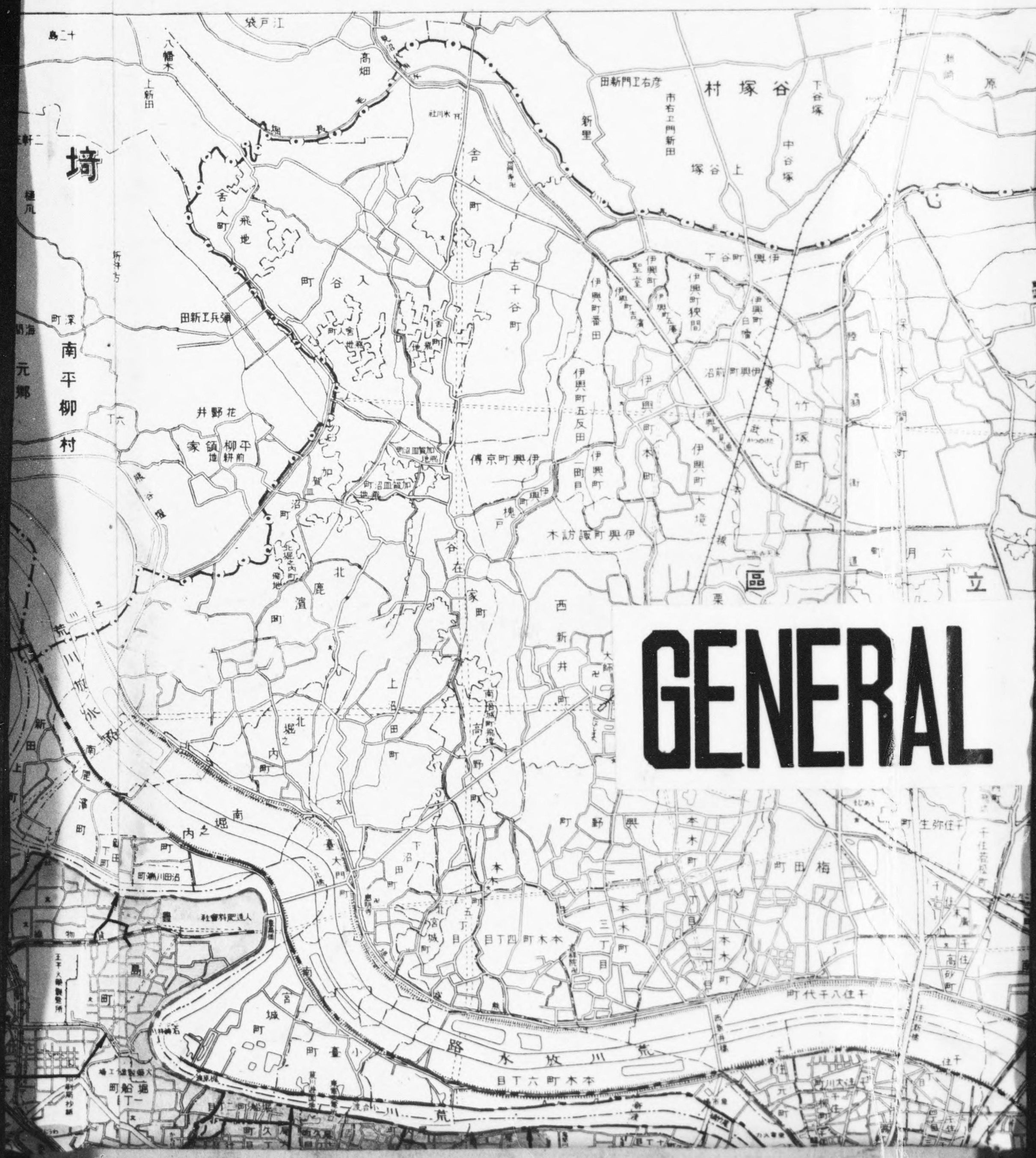

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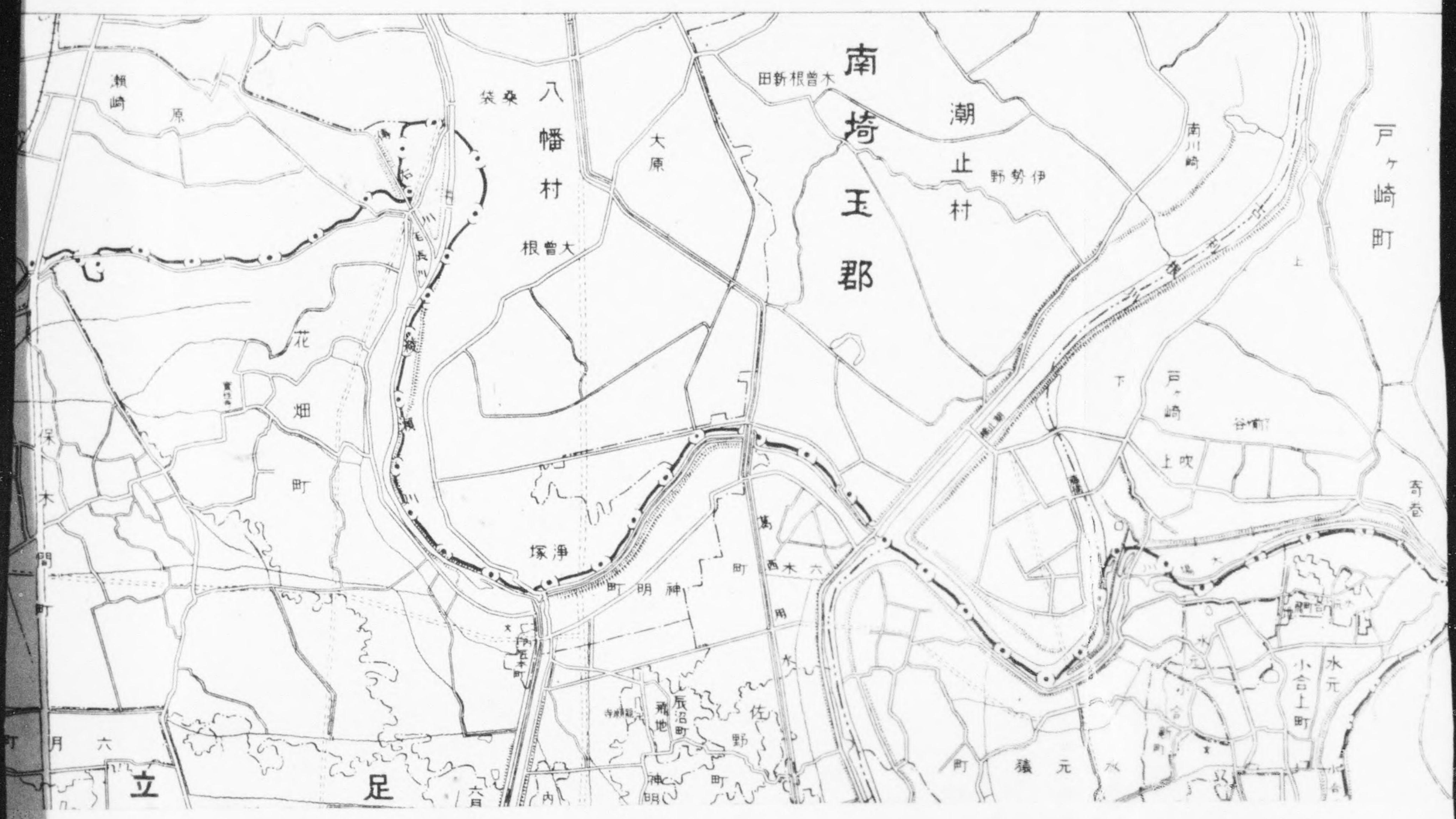

RAL PLAN OF SEWERAGE S

TOKYO CITY

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

RAGE SYSTEM
TY

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

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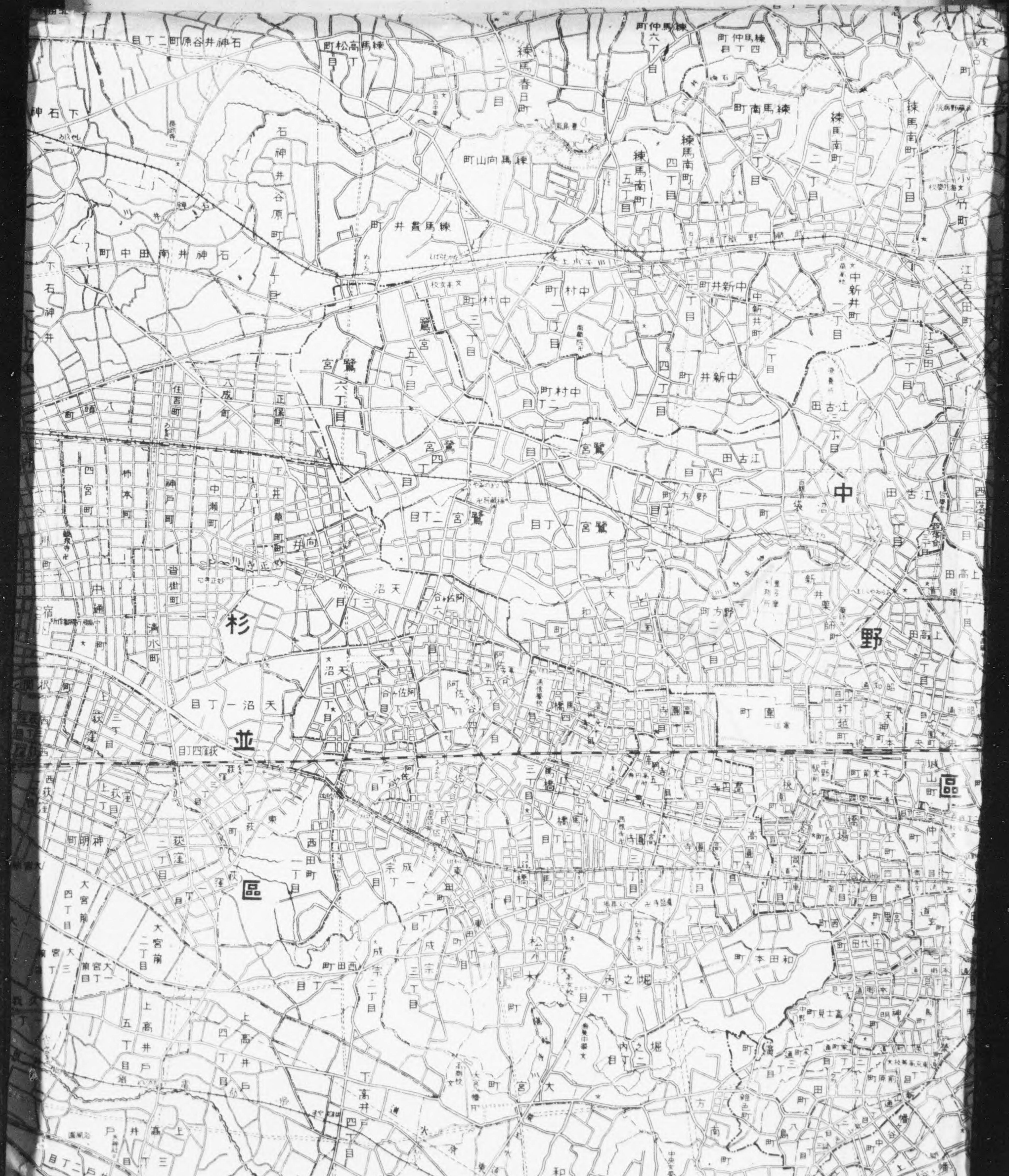

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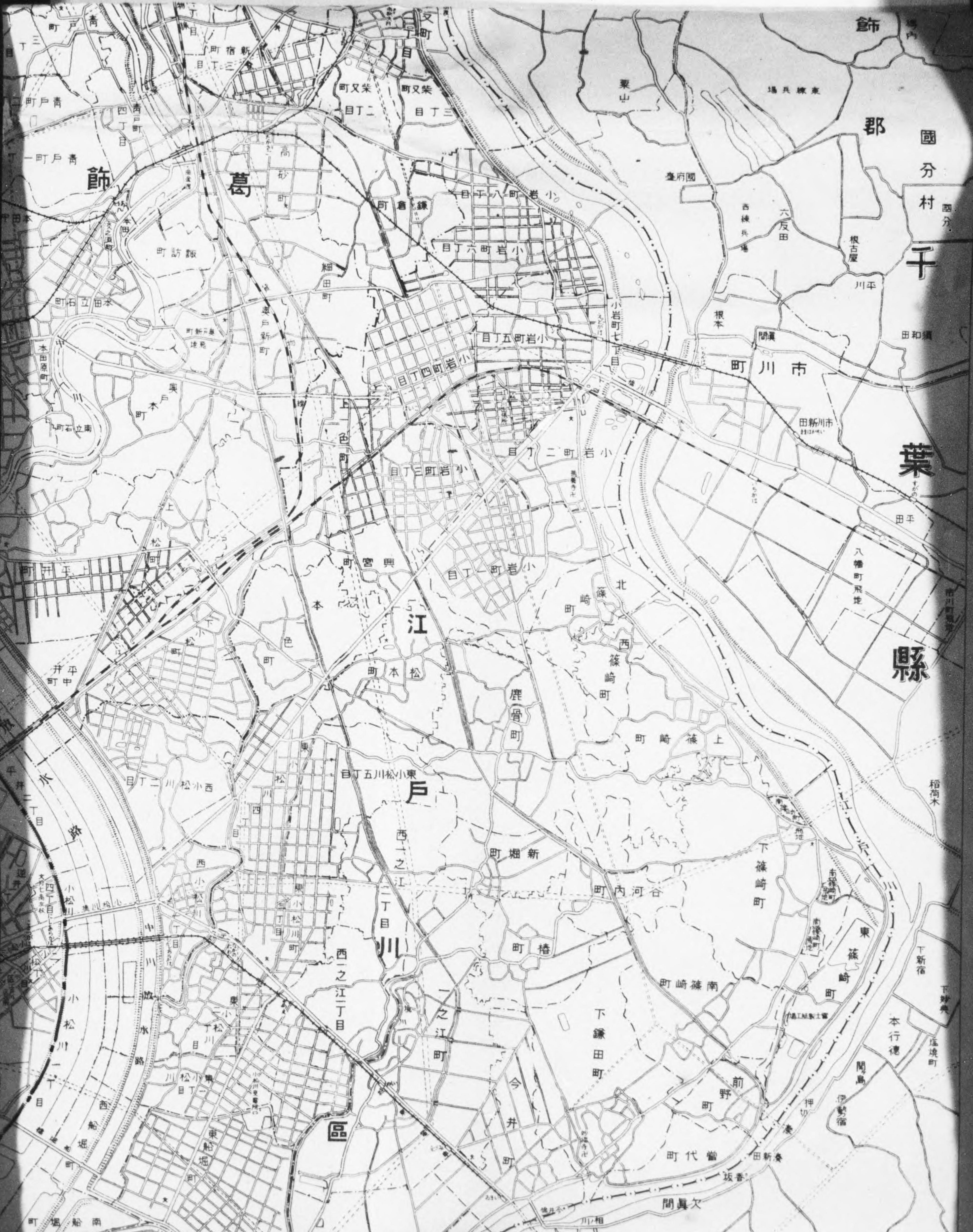

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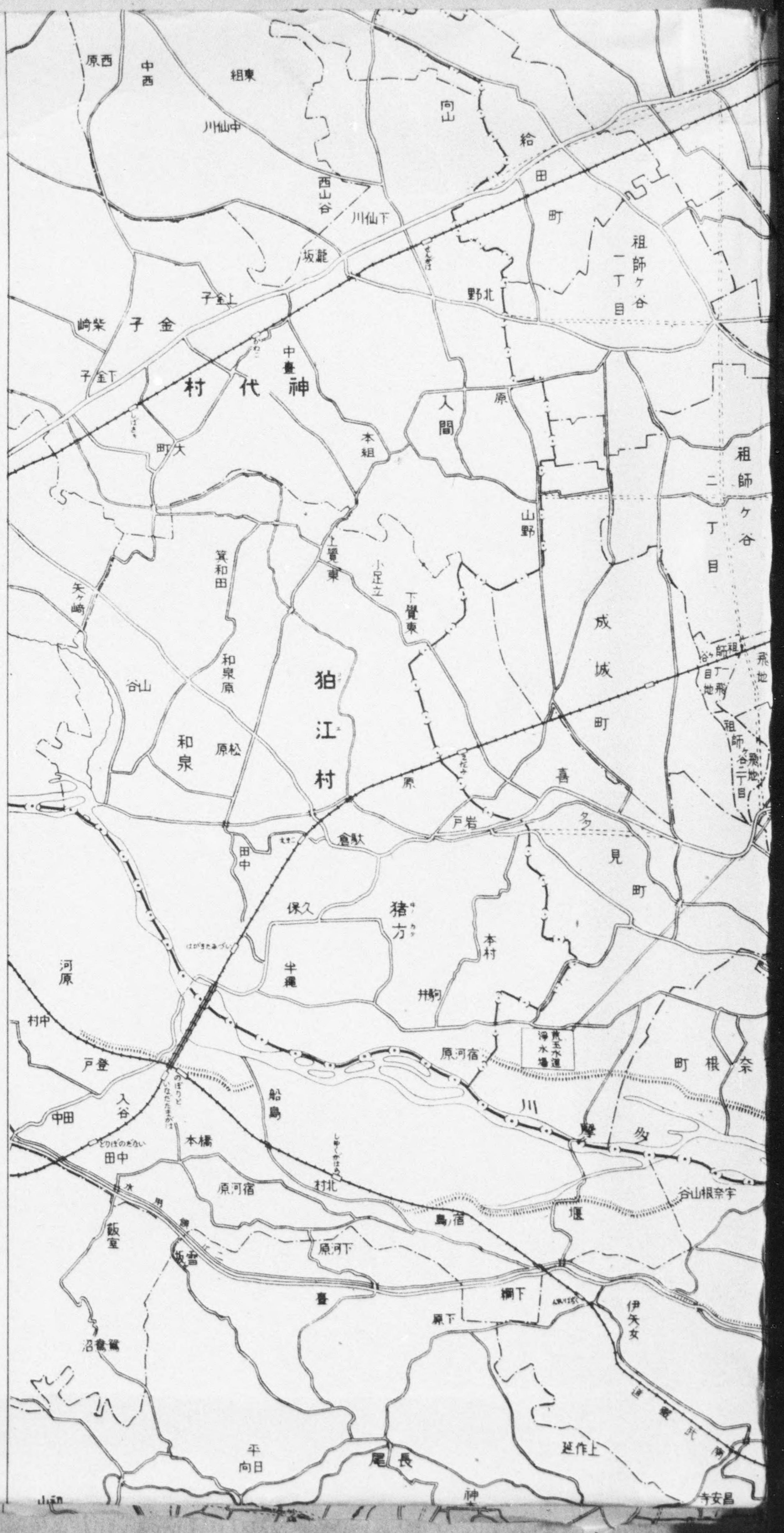

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Prefatory E

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG·NO. 775013

ry Explanations

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

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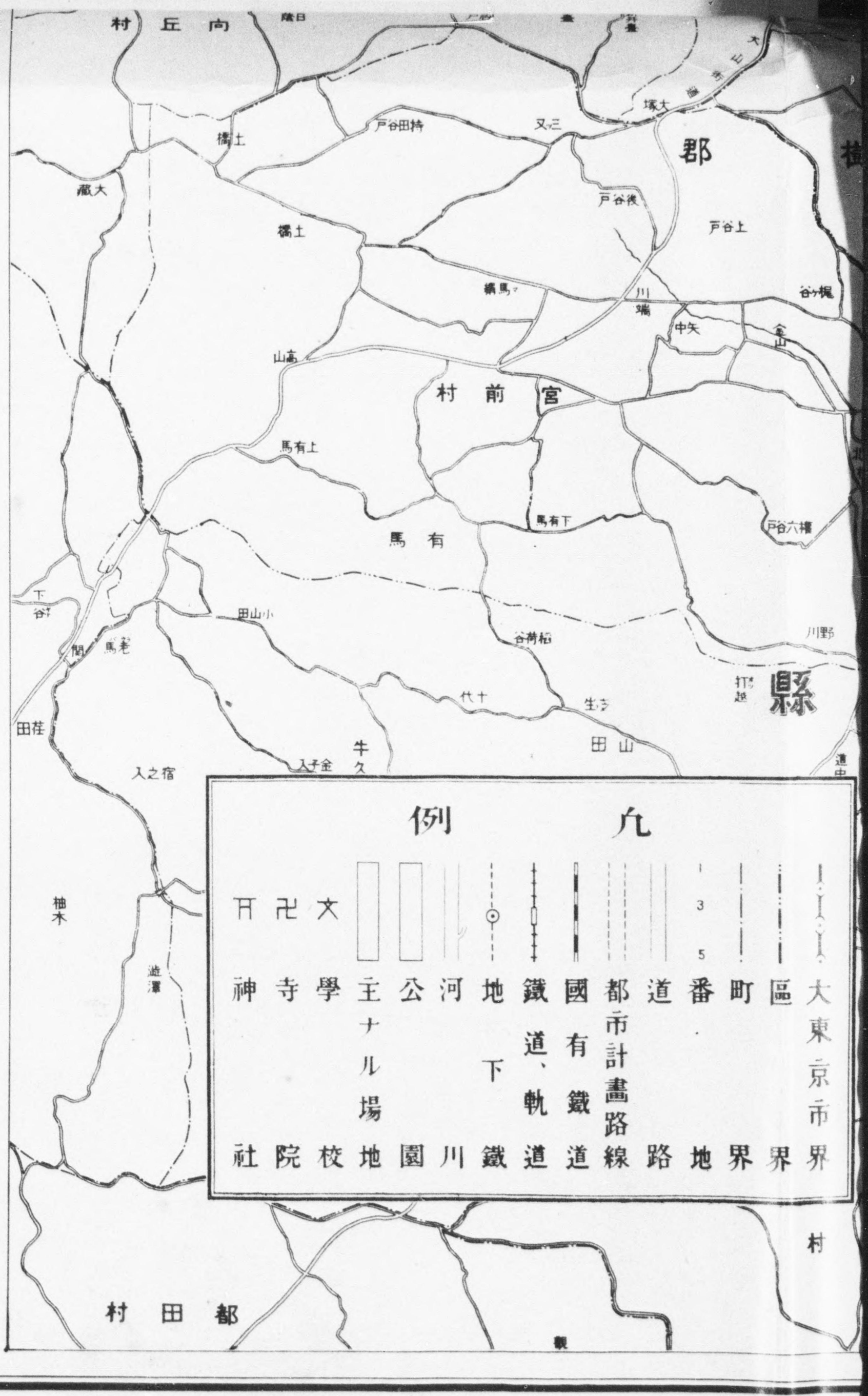

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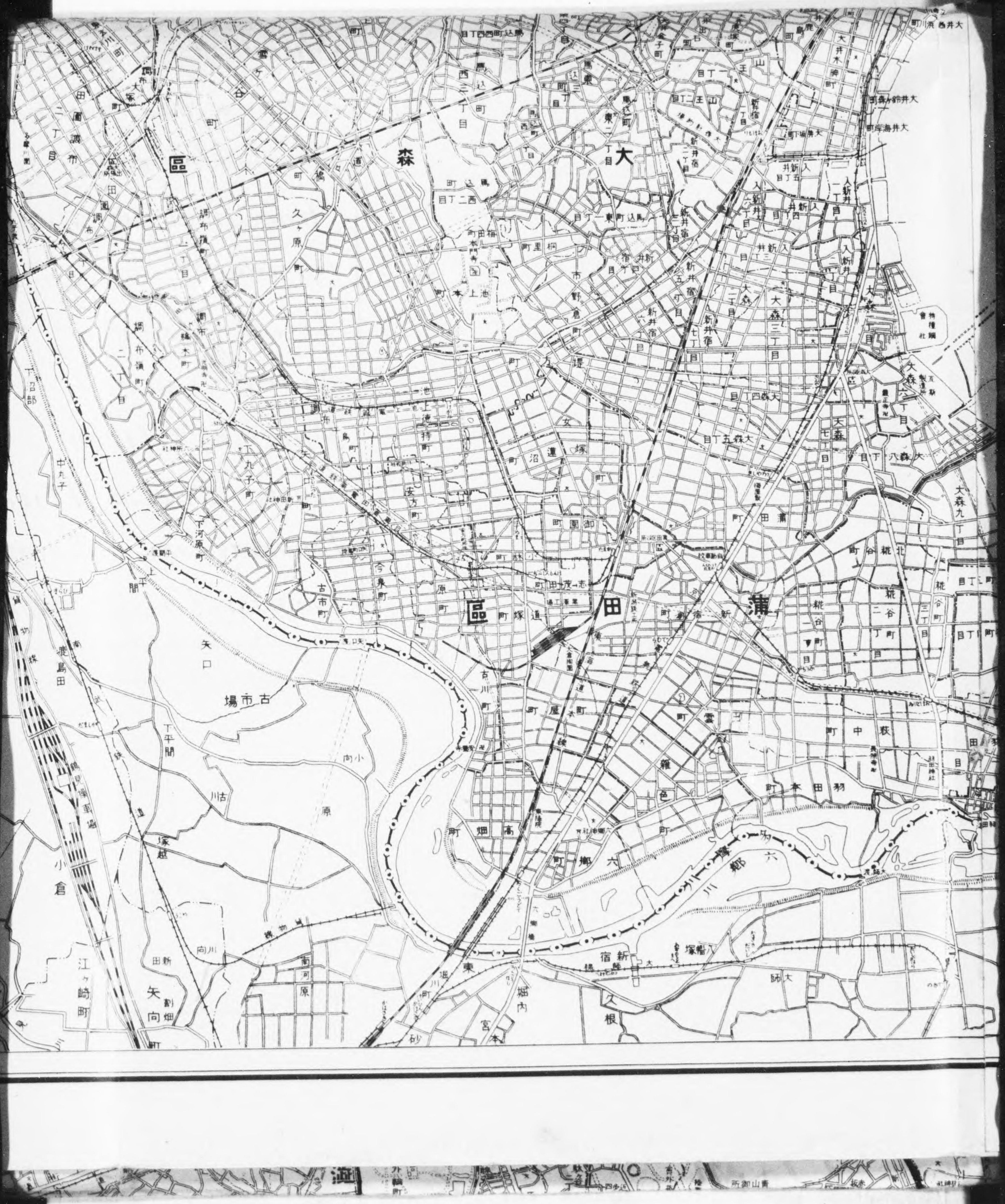


DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG·NO. 775013

Shibaura Sewage System

Mikawashima Sewage System

Sunamachi Sewage System

Shakujii Sewage System

Haneda Sewage System

Trunk Sewer

Main Sewer

Pumping Station

Sewage Disposal Plant

Boundary Line of Sewage

Boundary Line of ~~Enter~~ PRESENT

Scale 1:30,000

尺縮一之分萬三

米 1000 500 0 1000

町 10 5 0 10

1000 500 0 1000

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Shibaura Sewer Sewage System	
Mikawashima Sewer Sewage System	
Sunamachi Sewer Sewage System	
Shakujii Sewer Sewage System	
Haneda Sewer Sewage System	
Trunk Sewer	
Main Sewer	
Pumping Station	
Sewage Disposal Plant	
Boundary Line of Sewage System	
Boundary Line of ~~Enterprise~~ PRESENT OPERATION	

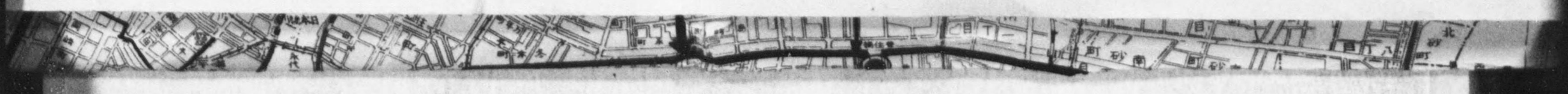
Scale 1:30,000

尺縮一之分萬三

米 1000 500 0 1000 2000

町 10 5 0 10 ½ 里

1000 500 0 1000 2000 yard



DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

4 centrifugal and axial flow type pumps,
dia. of pipes are 5 – 20 inches.

Minamisenju Pumping Station.

Situation; No. 89, 8 chome Minamisenju-machi
Arakawa-ku.
Main installations;
2 detritus tanks.
4 centrifugal and axial flow type pumps,
dia. of pipes are 10 – 30 inches.

Mikawashima Sewage Disposal Plant.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Situation; No. 1298, 8 Chome Mikawashima-machi
Arakawa-ku.

Main installations;

2 detritus tanks with bar screens.

10 centrifugal pumps, dia. of pipes are 16-32 inches.

2 sedimentation tanks with clarifier.

4 sedimentation tanks without clarifier.

7. aeration tanks by mechanical agitation of paddle-wheel system of activated sludge process, which have a capacity of 634,046 gallons each.

28 trickling filters which have a total

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

area of 308,000 sq. ft. with 14 pairs of sewage distributer driven by electric motor.

2 sludge tanks and one digestion tank.

Accessory installations;

sludge pumps, sludge boats, secondary sedimentation tanks, final settling tanks, sludge drying bed etc.

The sewage reached here is pumped and settled as the first treatment and secondly a portion of it is treated by the method of activated sludge process and the other portion by trickling filter.

Amount of sewage;

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775-013

4,719,000 cub. ft. per day (before the war).

Simamachi Sewerage System.

This sewerage system covers the east land of the river Sumida, and being the lowest district of the city, neither rain nor foul water can be discharged except by the aid of pumps. 3 large pumping stations, Marihirabashi, Sannohashi, and Kiba are provided for the drainage of surface water as well as foul water. In case of heavy rain fall, all the surface and waste waters collected at the pumping stations are discharged

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

into the canals by lifting them by means of the storm water pumps. The foul water together with some of rain water are pumped up into the main sewers connecting each pumping station by the sewage pumps, and are carried away until they reach to the final disposal plant at Sunamachi. Total area of this district is about 4,700 acres and total length of sewers is nearly 250 miles of which about 198 miles were constructed.

Narihirabashi Pumping Station.

Situation; No. 17, 3 chome Azumabashi Honjo-ku.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Main installations;
4 detritus tanks with bar screens.
9 centrifugal and axial flow type pumps,
dia. of pipes are 20—45 inches.

Sannohashi Pumping Station.

Situation; No.1, 4 Chome Tatekawa cho Honjo-ku.
Main installations;
4 detritus tanks with bar screens.
11 centrifugal and axial flow type pumps,
dia. of pipes are 18—48 inches.

Kiba Pumping Station.

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Situation; No. 2, 3 chome Toyozumicho Fukagawa-ku.
Main installations;
4 detritus tanks with bar screens.
10 centrifugal and axial flow type pumps,
dia. of pipes are 20 – 48 inches.

Sunamachi Sewage Disposal Plant.

Situation; No. 2413, 9 chome Minami-Sunamachi
Jyoto-ku.
Main installations;
6 centrifugal pumps, dia. of pipes are 20 – 32
inches.
3 sedimentation tanks with clarifiers.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

5 sterilizer by liquid chlorine.

Sludge pumps, storage reservoirs and etc.
The settled sewage is discharged into the sea after the sterilization at the time of ebb tide.
The sedimentation tanks are not yet completed by the war, so that they do not operate now.
There are more ample area to construct the equipment of higher purification.
Amount of sewage;

4,851,000 cub. ft. per day (before the war)

Azuma Pumping Station.

Situation; No.28, 5 chome Azumacho-Nishi Mukojima-ku.

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Main installations;

2 detritus tanks with bar screens.

4 centrifugal and axial flow type pumps,

dia. of pipes are 26 — 64 inches.

The function of this equipment is to lift up rain and foul waters and discharge to the river for providing of flood in the low land of Mukojima-ku. In future the sewage collecting to this pumping station shall be lead to Sunamachi Sewage Disposal Plant for the treatment.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

The Sewerage Works of Tokyo

Section of Sewerage
Tokyo Metropolitan Office

11th Oct. 1945

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775043

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

The Sewerage Works of Tokyo

General description.

In Tokyo, the scope where the sanitary sewers are laid systematically is the district of central 15 administrative wards and a part of area adjacent around them. In the other greater part that is the very large area outside of this scope, rain and foul waters are hardly drained by some storm water pipes laid under main road or some defective open culverts. The total area drained by the sanitary sewers we said is about 26,654 acres and total

length of sewers is nearly 1,501 miles of which, about 80 percent, 1,211 miles have been constructed already.

The outline of the plan.

The system of sewers is almost a combined system conveying rain and foul waters through the same pipes except the special cases that the topographic conditions necessiate the seperate sewers. Sewage of the higher level district is drained by gravity along natural gradient of ground, but for the drainage of the low ~~land~~ level district

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the way by pumping are used. The maximum quantity of sewage to be drained is estimated on the assumption that a half of 6 cubic feet of foul water, which is the average amount per person per day, is to be discharged within eight hours, while the maximum rate for rain water is set at 2 inches per hour. The excess rain water gathered to the combined sewers is discharged directly by relief outlet or by means of pumps into the nearest river or canal, but the whole volume of sewage with a portion of surface water is carried to the sewage treatment plants and is discharged into sea

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

or river after treatment. Sewers are laid chiefly under ground except the special rain water conduit, and there are used vitrified clay pipes for the small sewers, precast reinforced concrete pipes for medium sewers, and fieldcast reinforced concrete shapes for greater ones. The system of sewerage consists of 3 large sewerage system from its topographic features, namely Shibaura, Mikawashima and Sunamachi Sewerage System. In addition to these, for the future scheme of drainage of suberb, we have more 2 sewerage systems, namely Haneda and

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Shakuji. Every system have some pumping stations and a respective sewage disposal plant each.

Shibaura Sewerage System.

As the district of this sewerage system have various hight of ground, to facilitate drainage operations the district is subdivided into 3 sections, designated as High-level, Middle-level, and Low-level District according the geographical conditions. Sewage of High and Middle-level District flow by gravity directly to Shibaura Sewage Disposal Plant,

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but that of Low-level District is collected to Zenigamecho Pumping Station. after discharging the excess rain water by relief outlet, and pumped up to the force main which ~~connect~~ joins with the main of the Middle-level District.
Total drainage area of those districts is about 14,701 acres and total length of sewers is nearly 798 miles of which about 617 miles were constructed.

Zenigamecho Pumping Station.

Situation; No.8, 2 chome Etemachi Kojimachi-ku.
Main installations;

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Collecting well.
2 detritus tanks with bucket dredgers
and rotary screens.
7 centrifugal pumps, dia of pipes are
16 — 32 inches.
The pumping house has a ample space to
install one more pump in future if necessary.

Shibaura Sewage Disposal Plant.

Situation; No.2, Takahamacho Shiba-ku.
Main installations;
2 detritus tanks with bar screens.
12 centrifugal pumps, dia. of pipes are 16-

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36 inches.

4 sedimentation tanks with clarifiers.

8 sterilizer by liquid chlorine.

8 aeration tanks by mechanical agitation of Simplex system of activated sludge process, which have a capacity of 1,096,372 gallons each.

Accessory installations;

sludge tanks, sludge pumps, sludge boats, reaeration tanks, secondary sedimentation tanks etc.

The sewage reached here is treated chiefly by the method of sedimentation and chlorination, but a part of it is discharged to sea after treat-

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ment of activated sludge process. There are more ample site to construct aeration tanks, final settling tanks and others for future extension. The extension was in the cource of construction before the war, but that was interrupted after the war began.

Amount of sewage;

16,659,000 cub. ft. per day (before the war)

Mikawashima Sewerage System.

The main intercepting sewer goes up northward to Mikawashima Disposal Plant

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leaving the excess rain water to the Shimbori storm water conduit which is laid in parallel to the main sewer and leads to the outfall at Sanya-bori. Total drainage area of this district is about 4,139 acres and total length of sewers is nearly 318 miles of which about 314 miles were constructed.

Izumicho Pumping Station.

Situation; No. 1, Izumicho Kanda-ku.
Main installations;
3 centrifugal pumps, dia. of pipes are 8–10 inches.

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The function of the establishment is to lift up the sewage of the remotest part of the district into the main sewer.

Tamachi Pumping Station.

Situation; No. 15, 1 Chome Tamachi Asakusa-ku.
Main installations;

6 centrifugal pumps, dia. of pipes are 45 inches each.

In the case of storm when the water level of the river is higher than that of the conduit, the pumps are used in order to prevent flooding in the low land.

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Hashiba Pumping Station.

Situation; No. 192, 3 chome Minamisenju-machi
Arakawa-ku.

Main installations;

2 detritus tanks.

5 centrifugal and axial flow type pumps,
dia. of pipes are 8–18 inches.

The purpose of the establishment at Hashiba, Shioiri and Minamisenju Pumping station is to lift up the sewage in the low-level district of Minamisenju-machi into the main sewers connecting each pumping station which carry away to Mikawashima Sewage Disposal

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Plant, and to discharge the excess rain water to the river Sumida by rain water pumps. But, as the connecting main sewers are not yet constructed now, so these 3 pumping stations operate as the pumping stations for prevention of flood in low-level district independently.

Shioiri Pumping Station

Situation; No. 21, 10 chome Minamisenju-machi Arakawa-ku.

Main installations;

2 detritus tanks.

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内山模型製圖社

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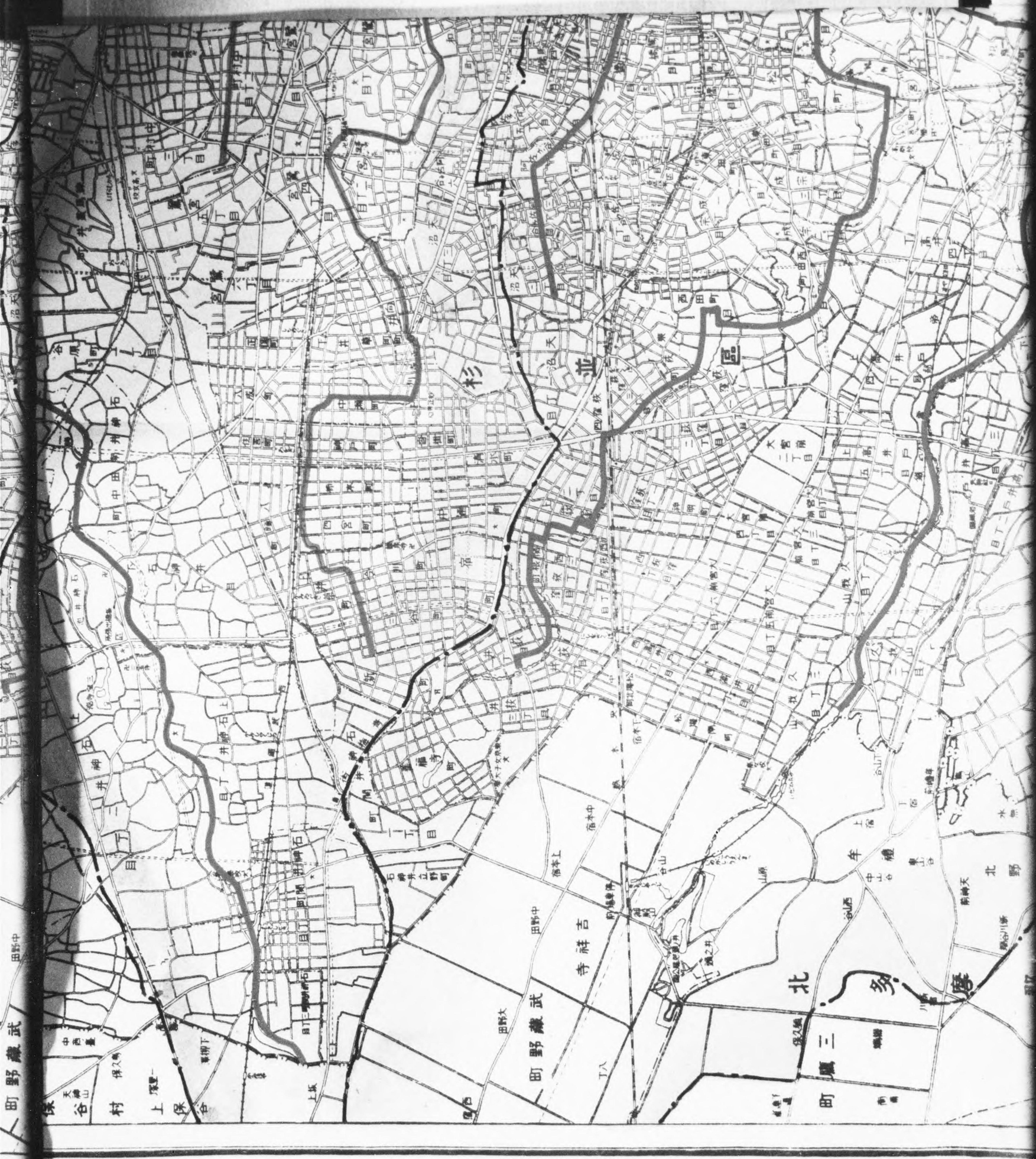

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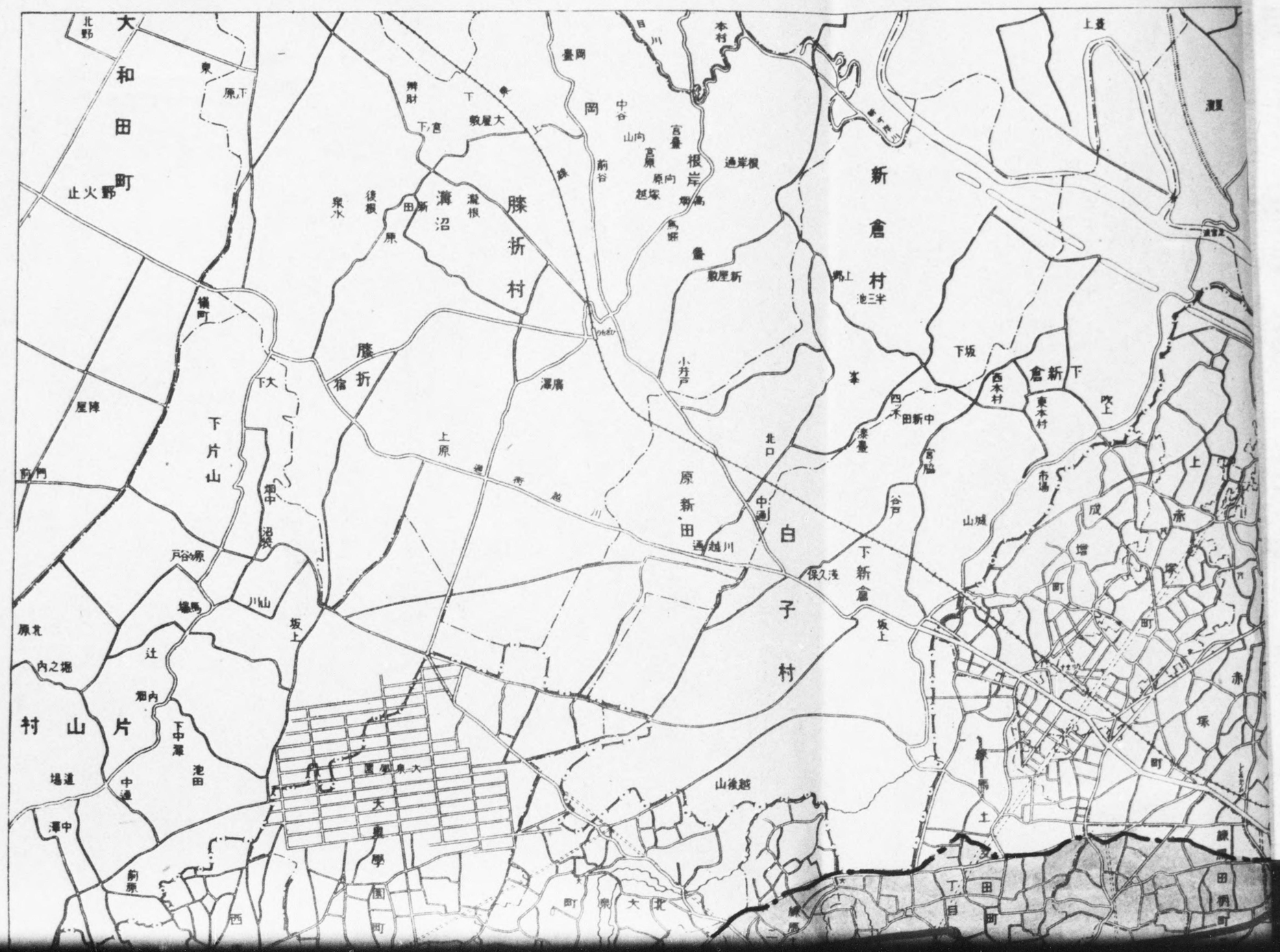

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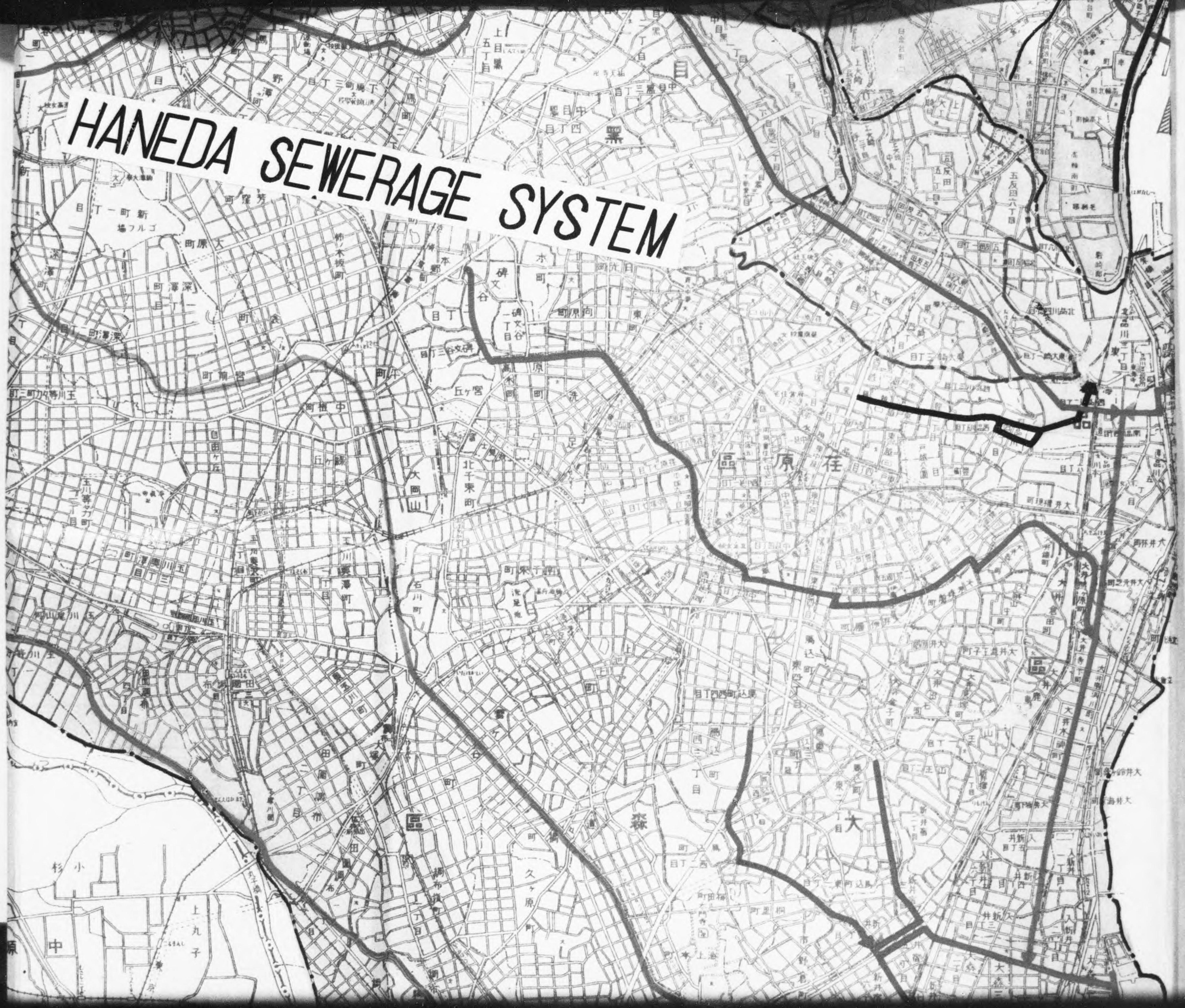

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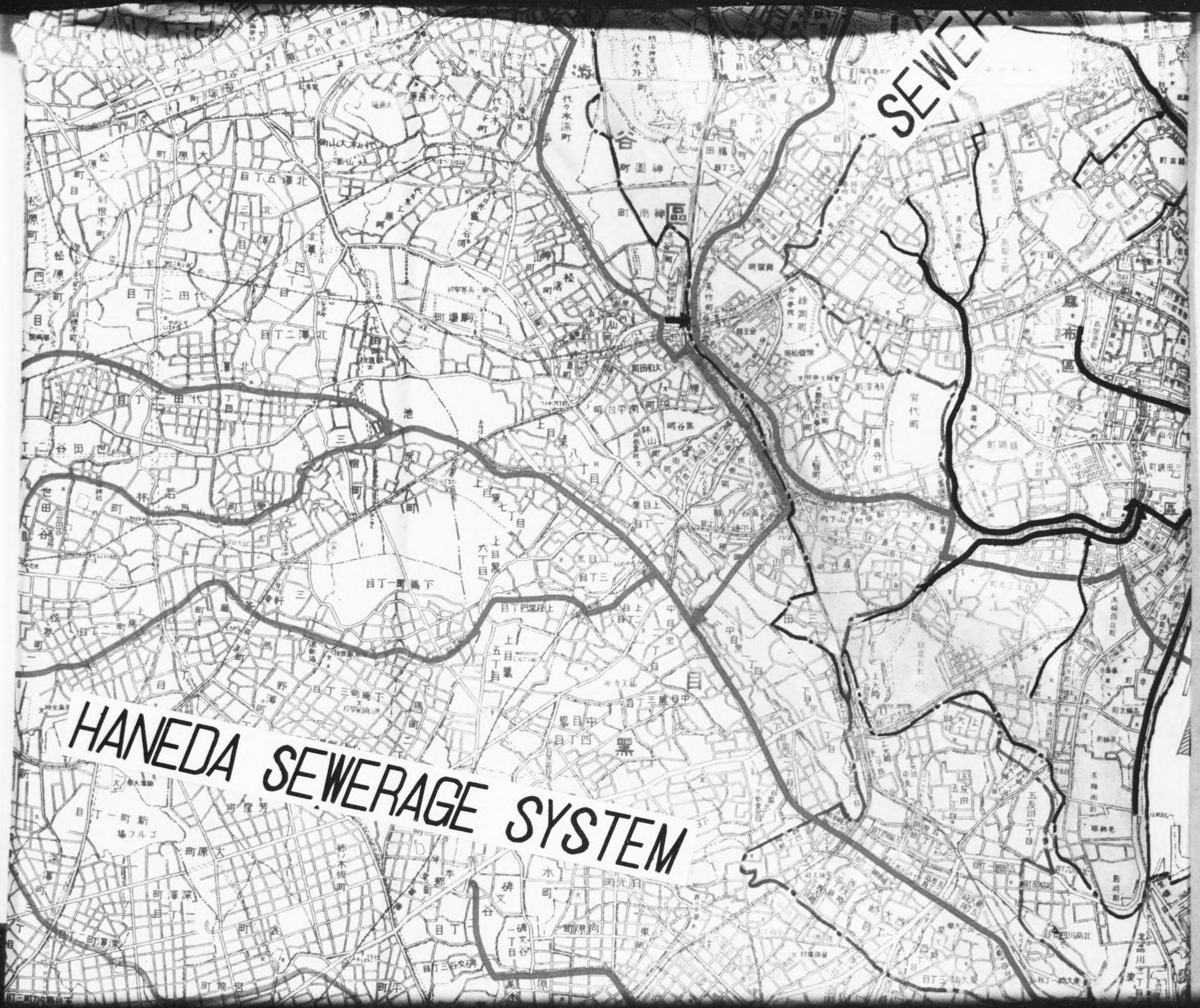

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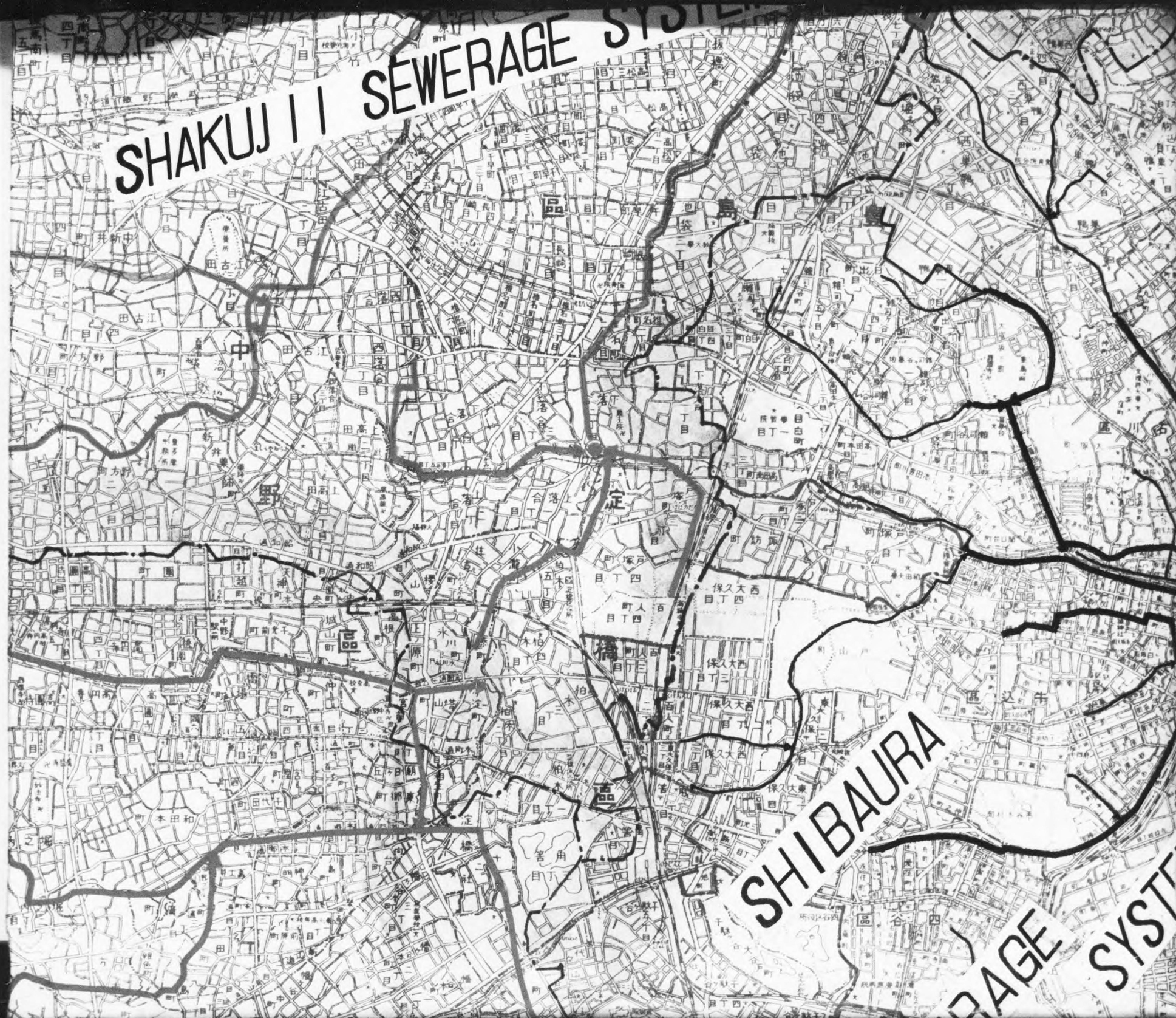

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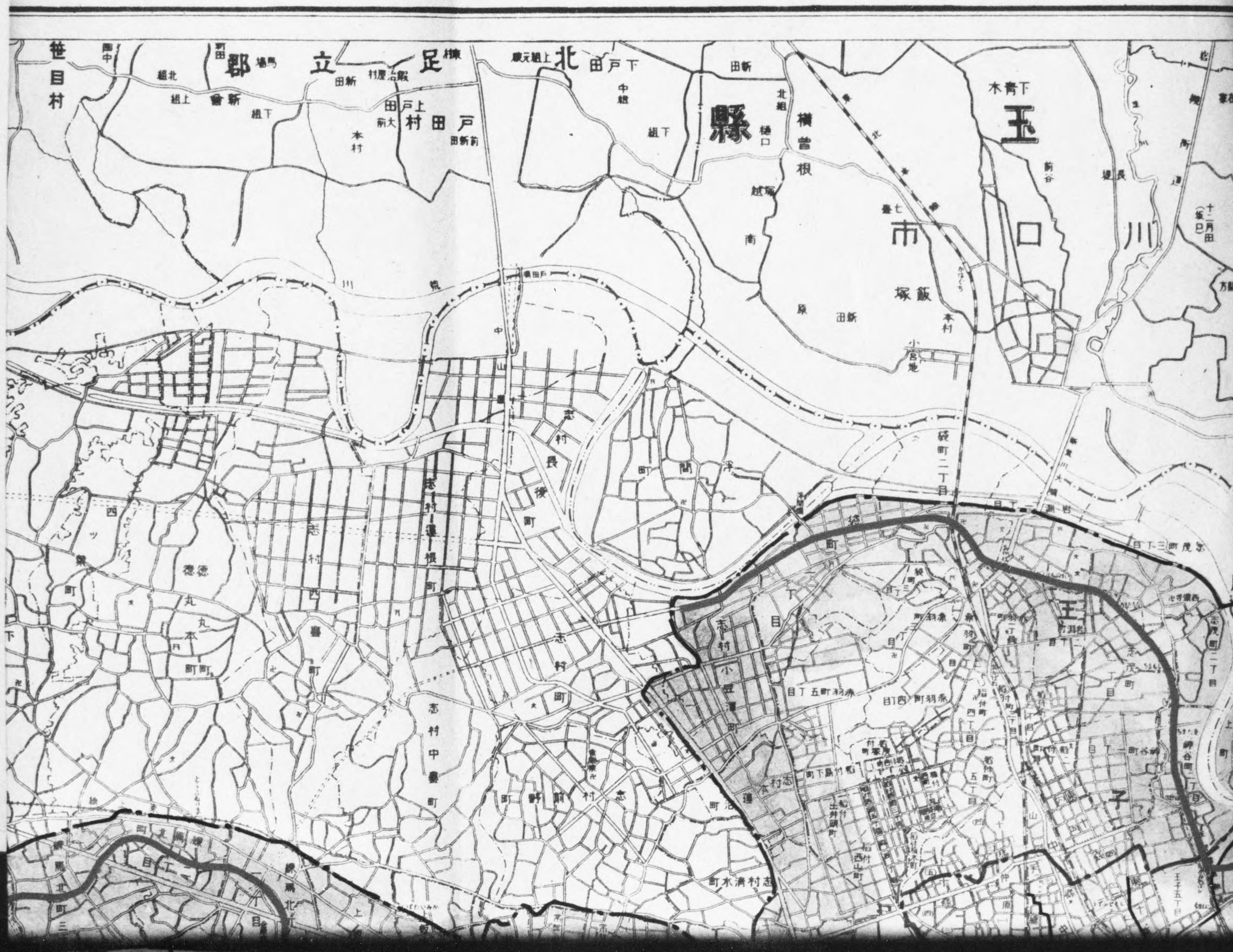

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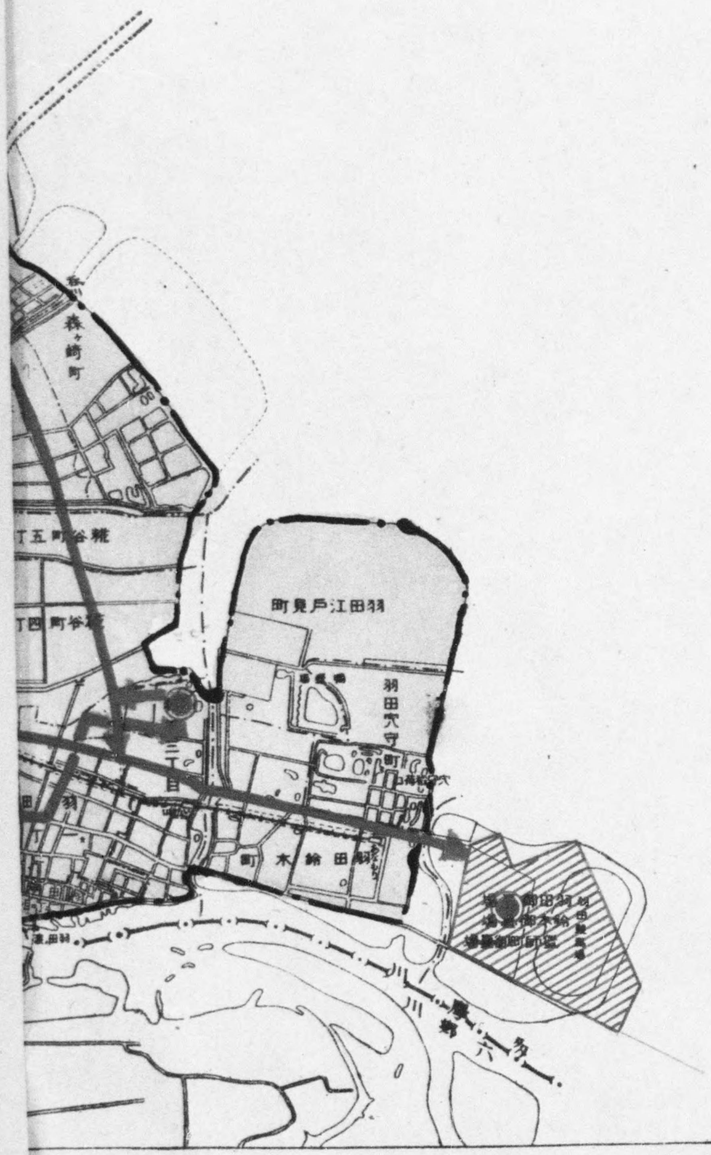

Disposal Plant		
Sunamachi	"	
Haneda	"	
Shakujii	"	
Trunk Sewer	Under Operation	
	Proposed	
Main Sewer	Under Operation	
	Proposed	
Sewage Disposal Plant	Under Operation	
	Proposed	
Pumping Station	Under Operation	
	Proposed	
Boundary Line of Sewerage System		

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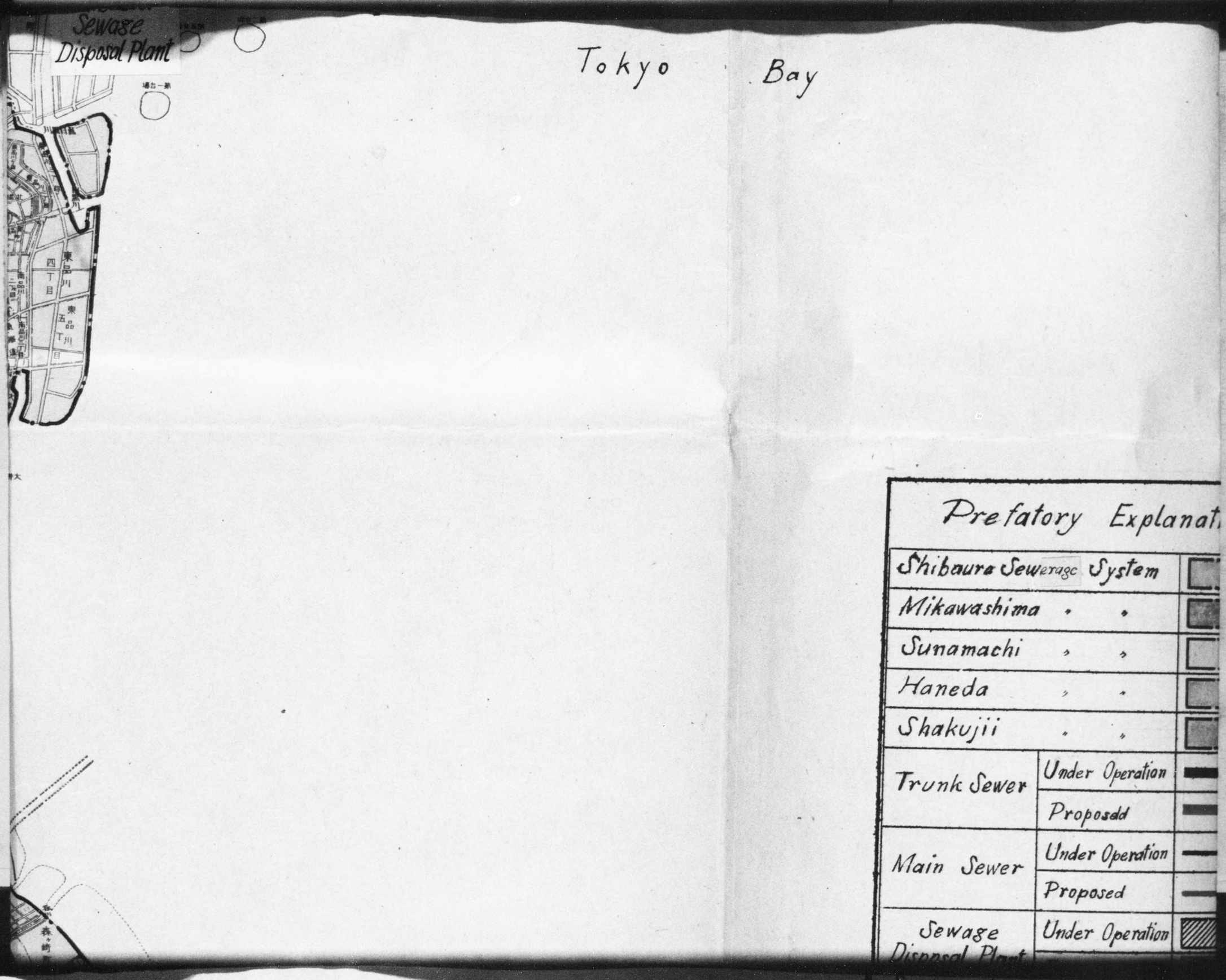

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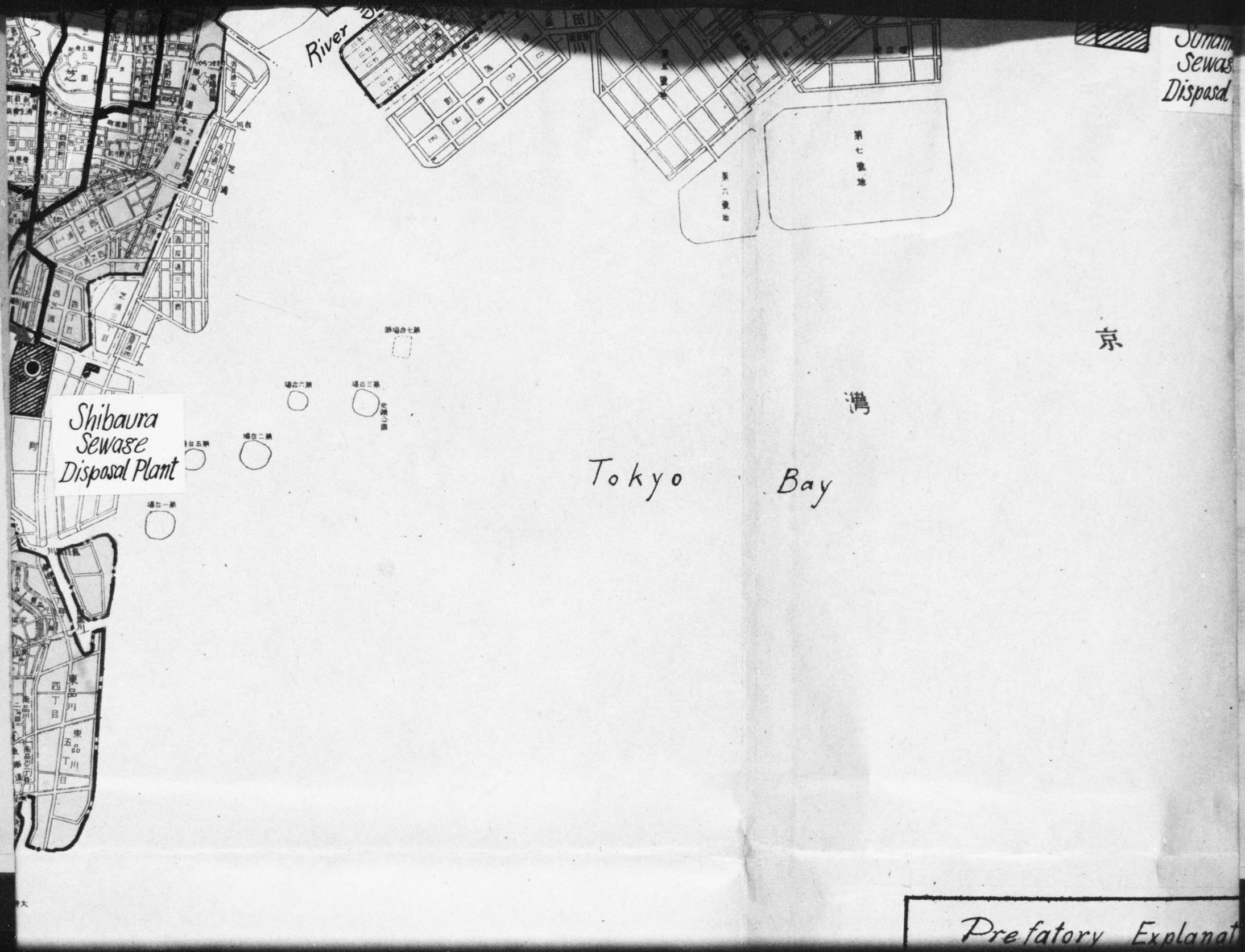

Prefatory Explanat

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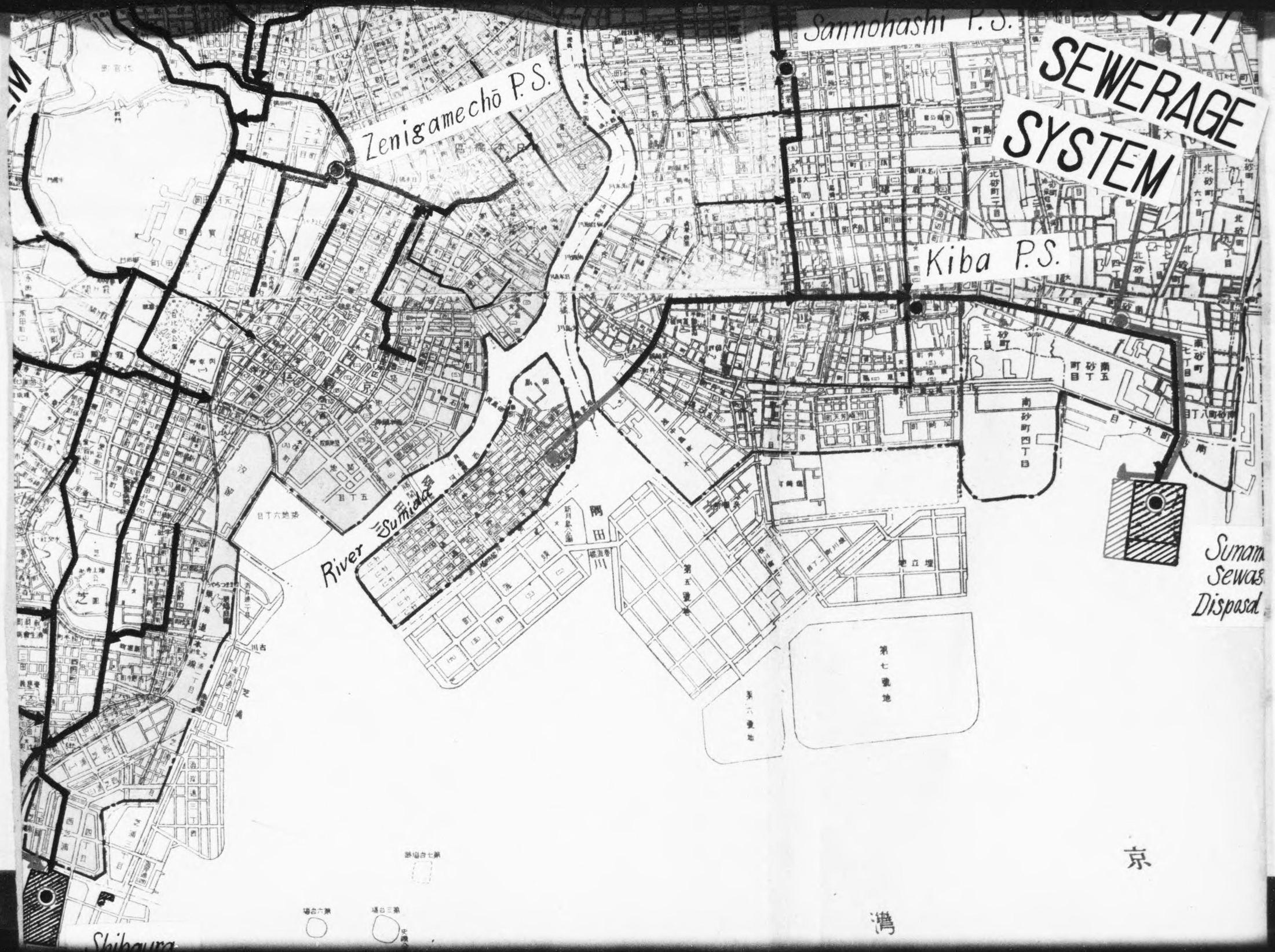

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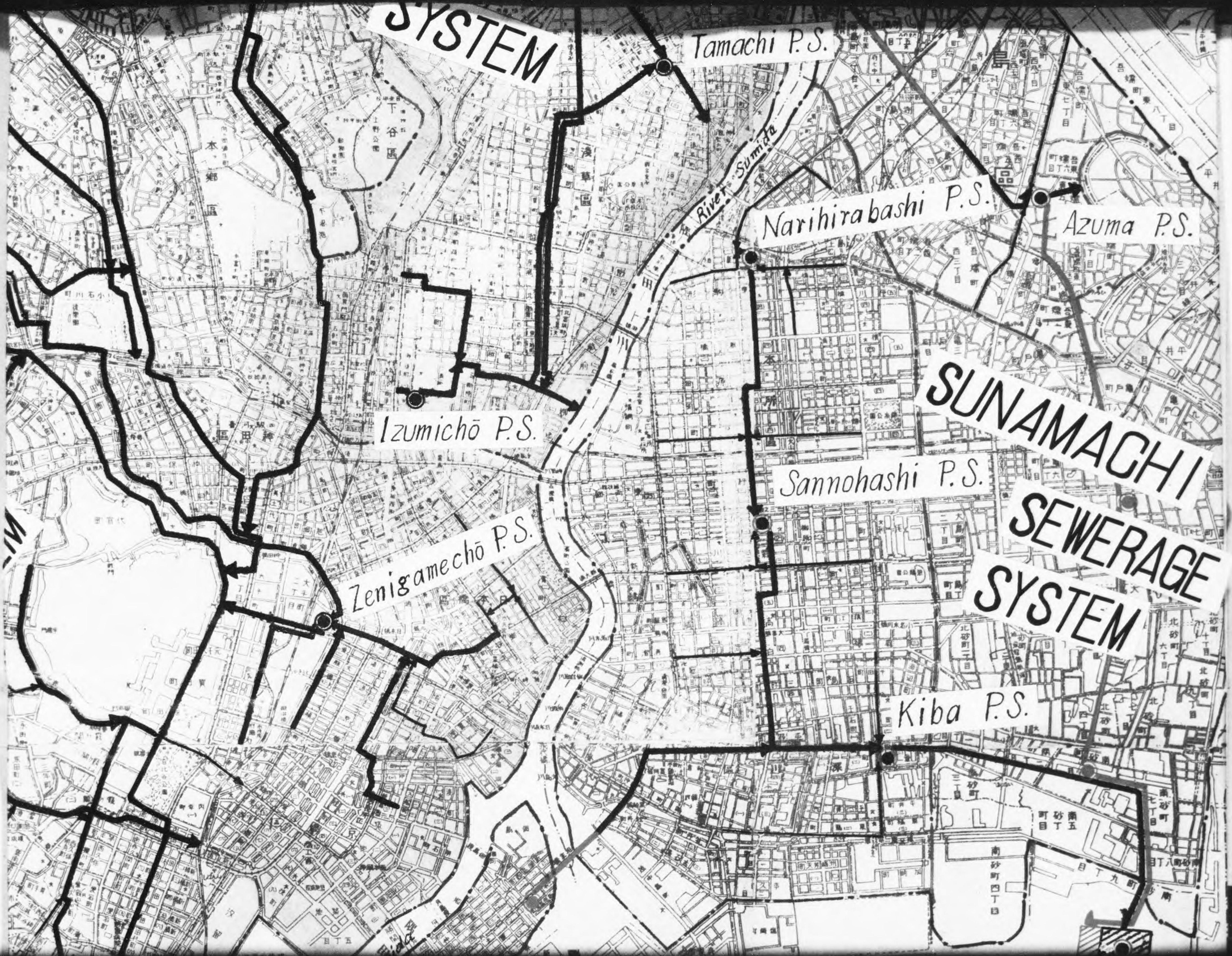

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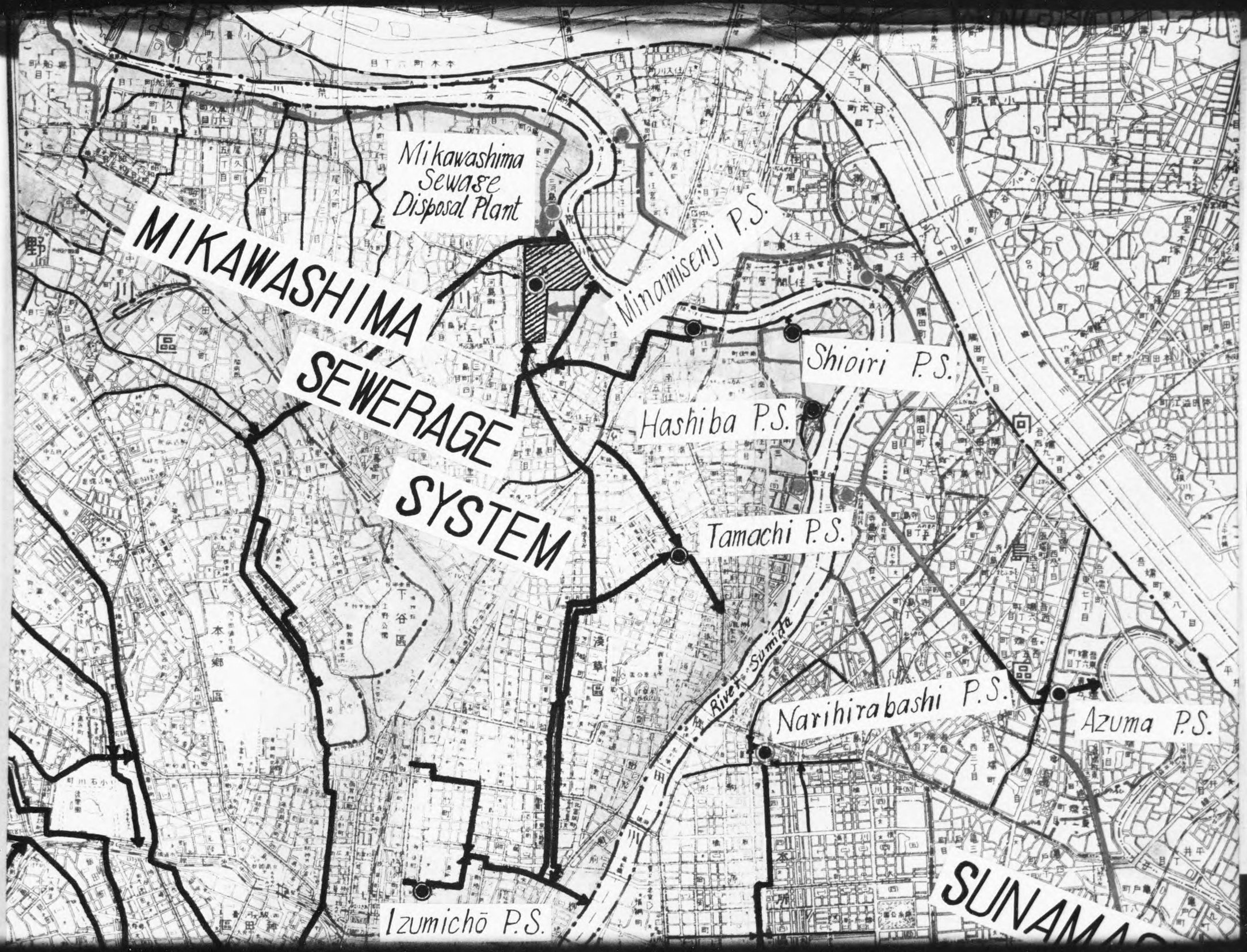

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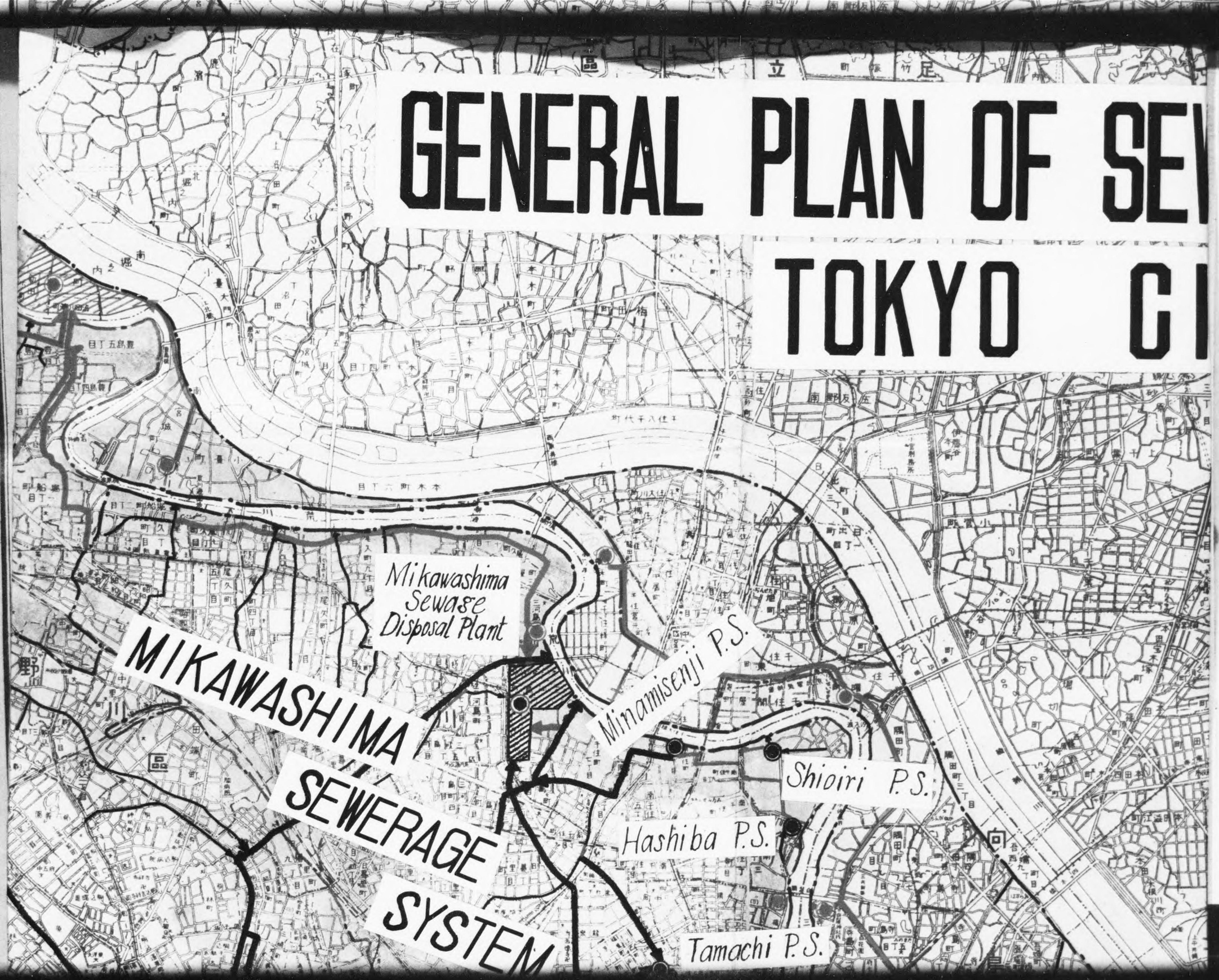

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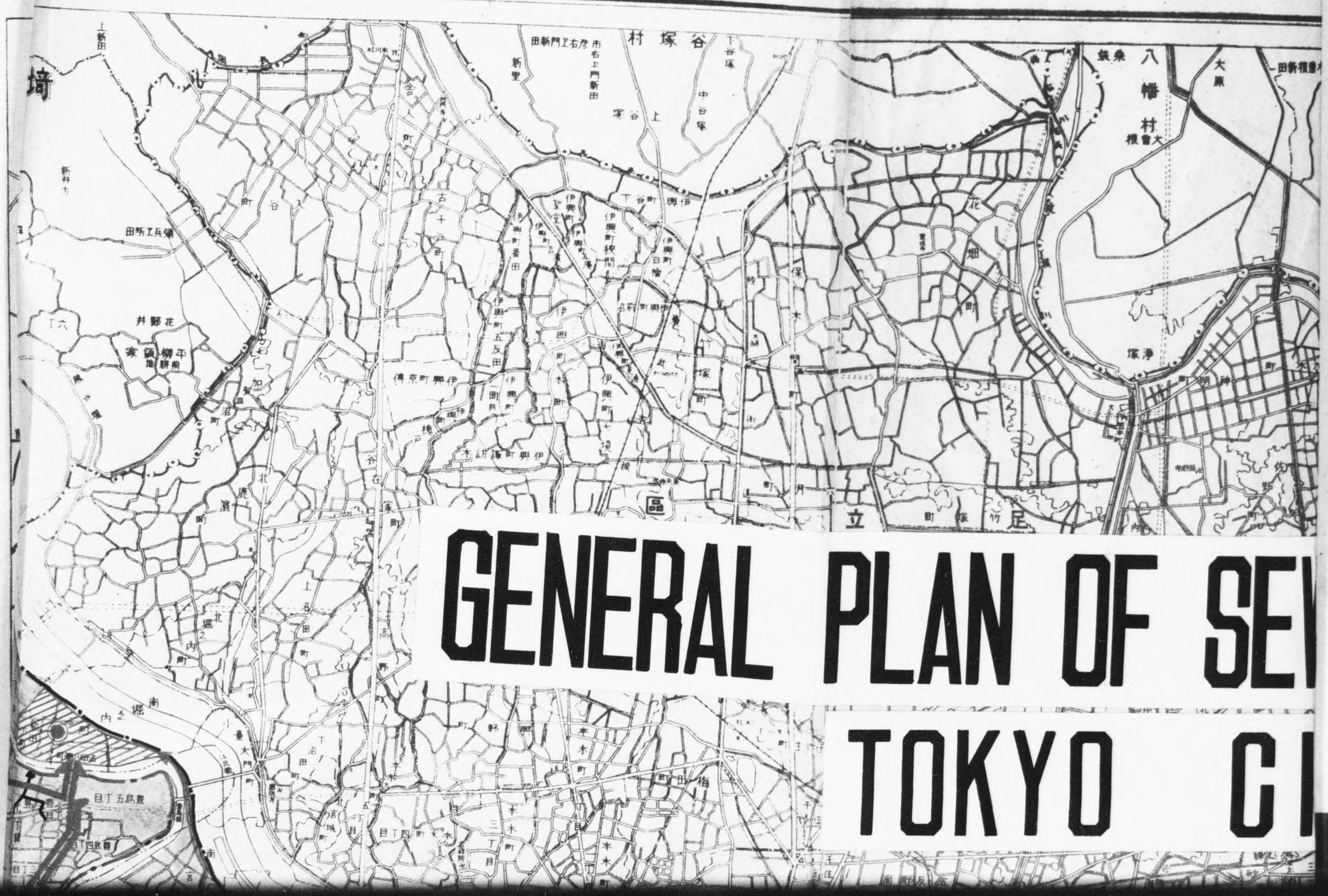

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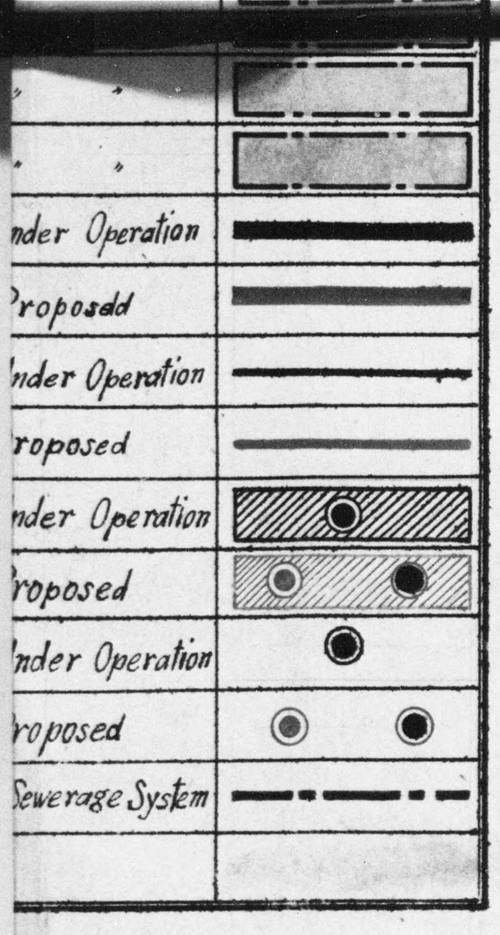

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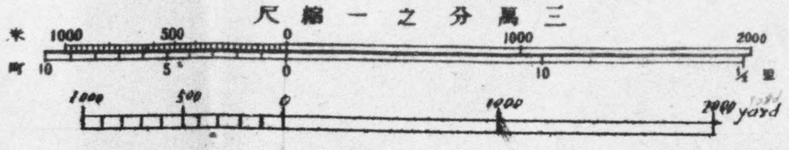

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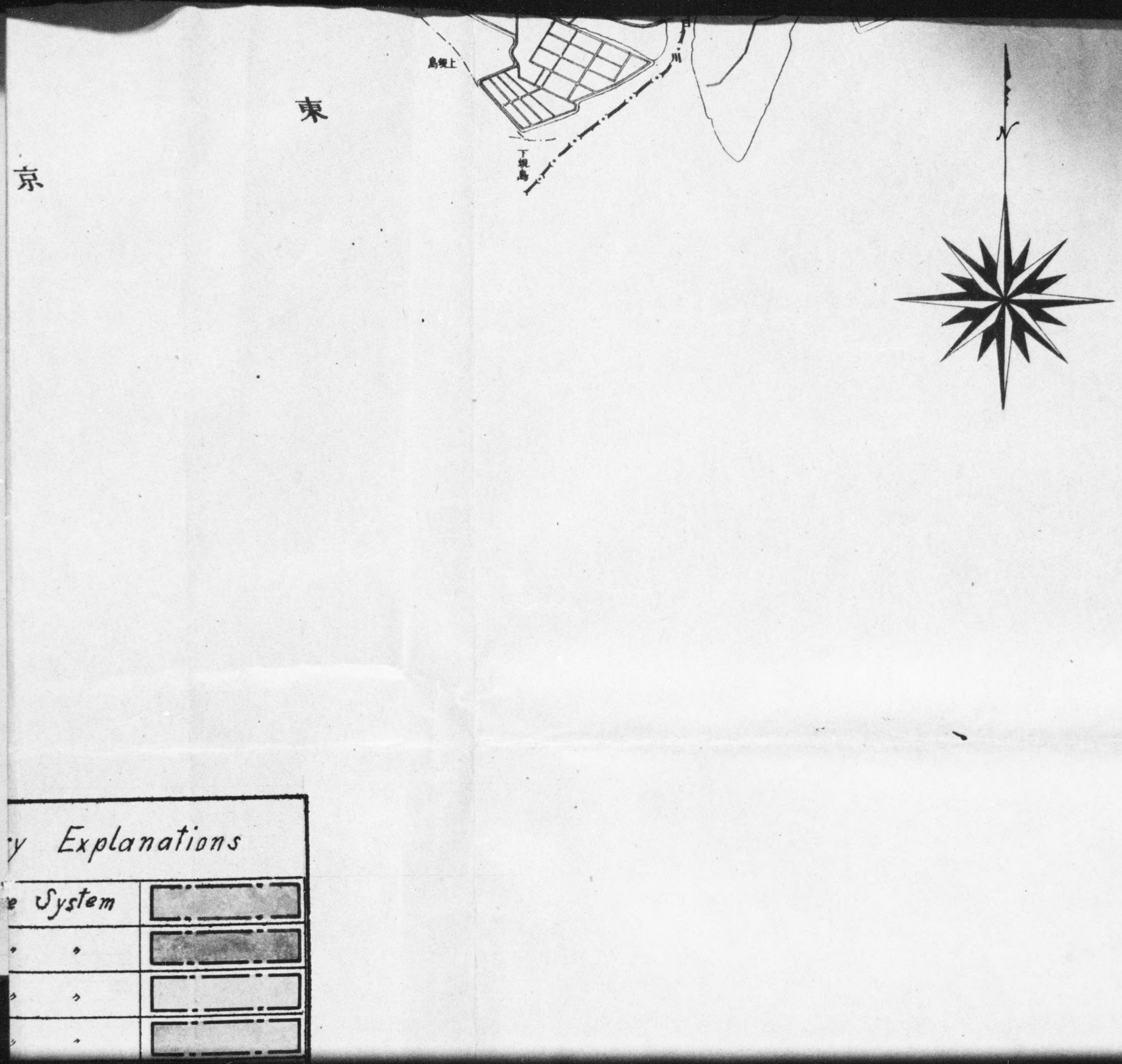

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SEWERAGE SYSTEM CITY

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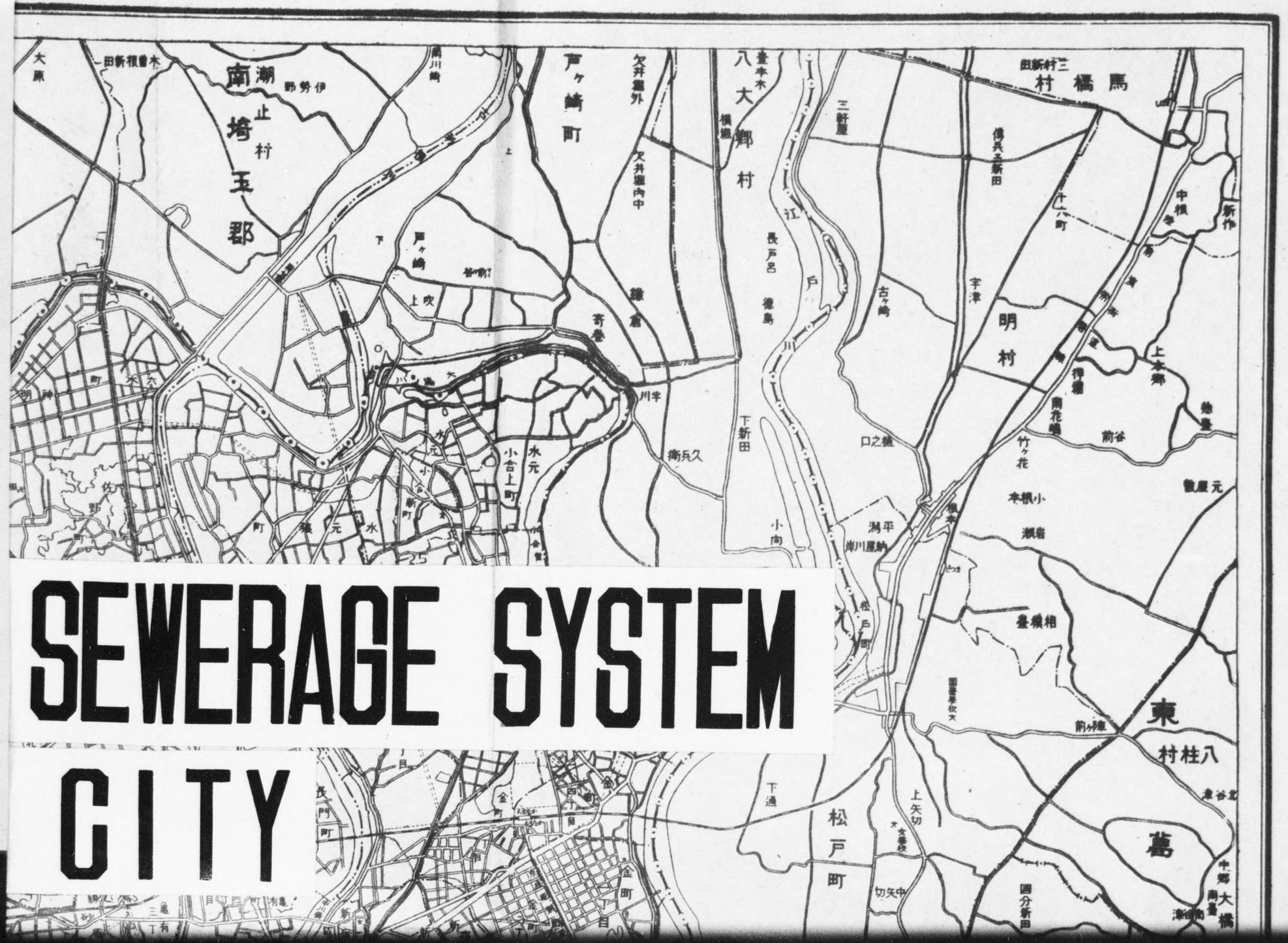

SEWERAGE SYSTEM CITY

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PROVISIONAL EDITION

TŌKYŌ MU

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MUNICIPAL WATER

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AL WATER SUPPLY :

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SUPPLY : DISTRIBUTION

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RESTRICTED

DISTRIBUTION

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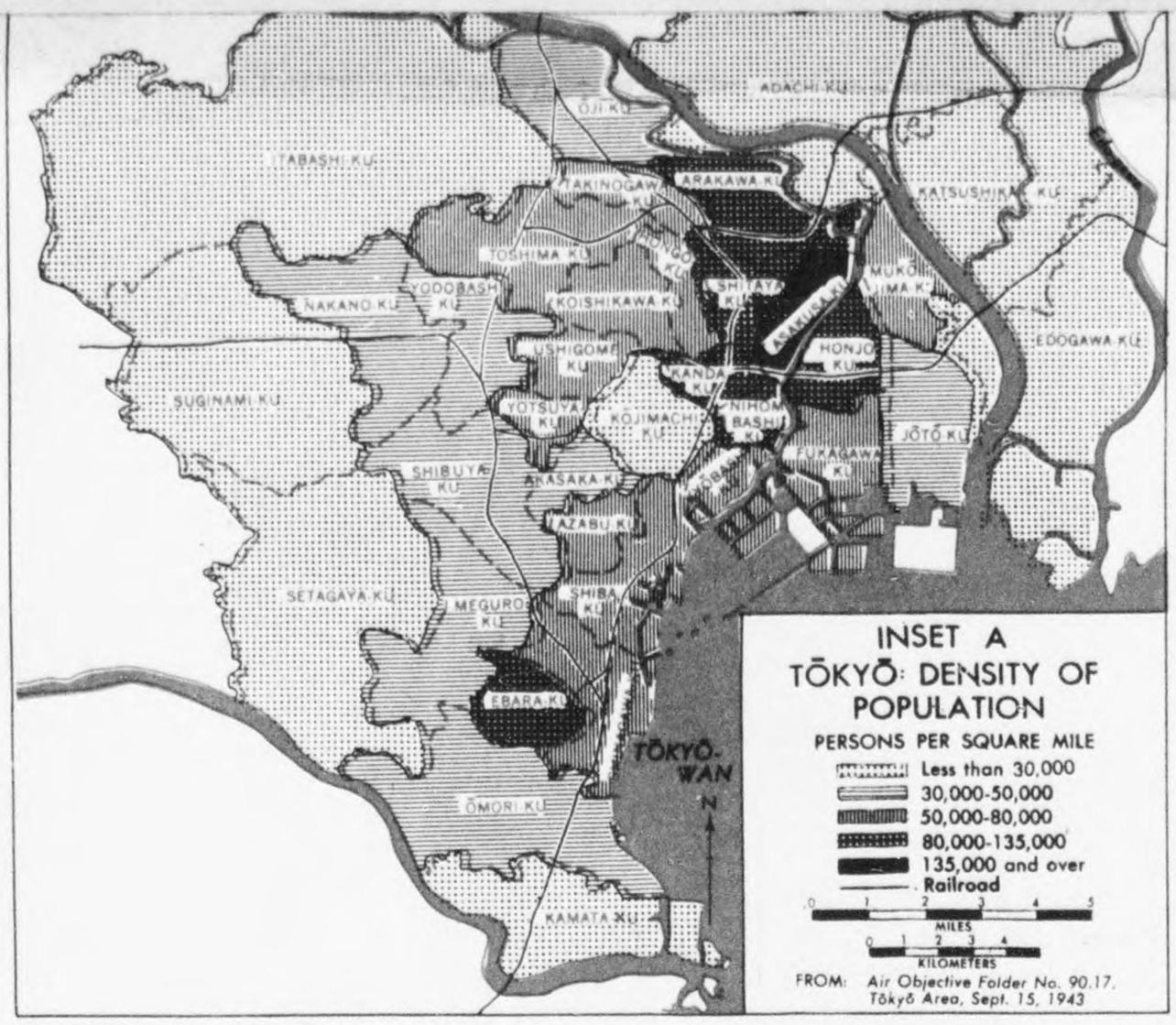

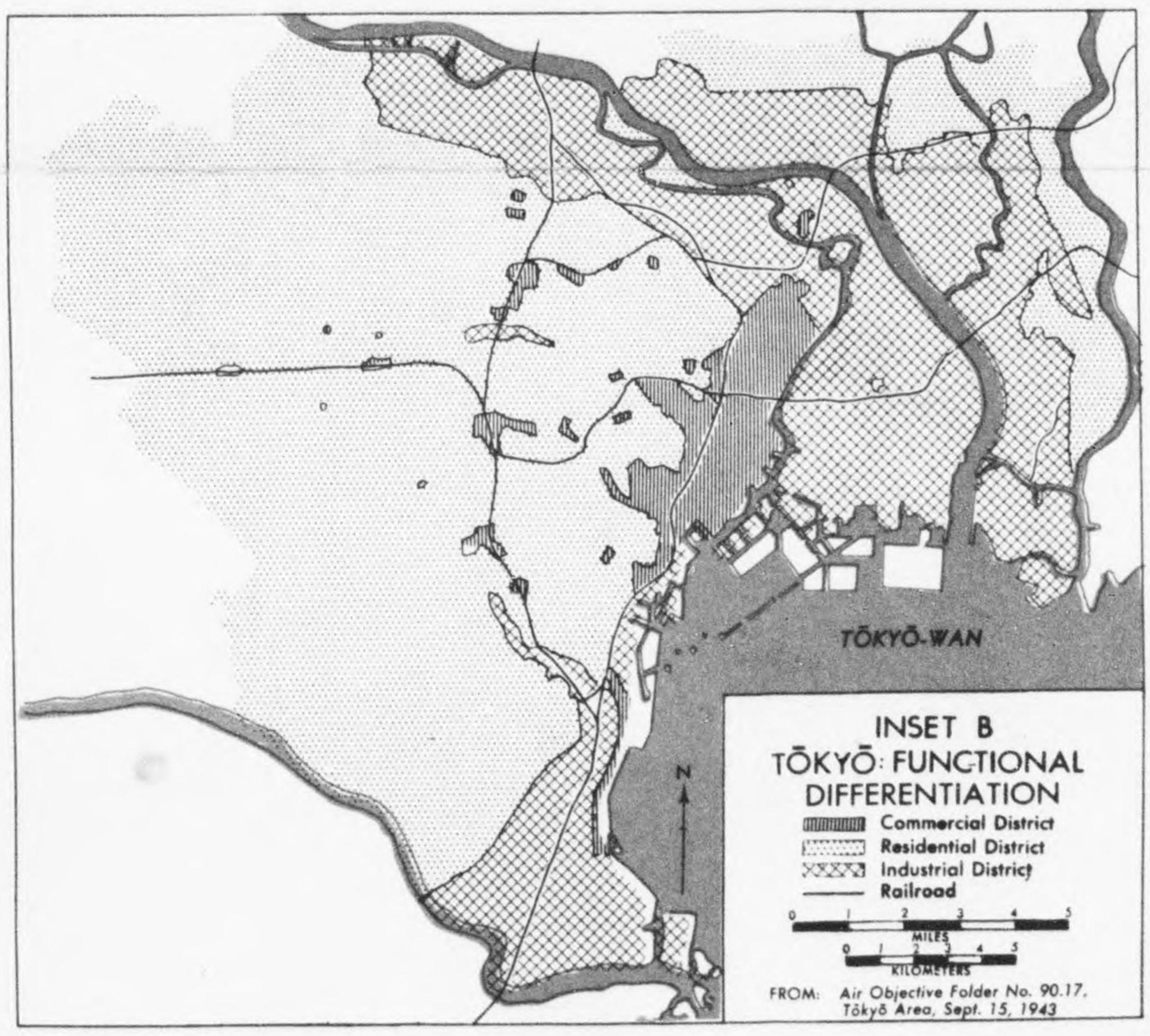

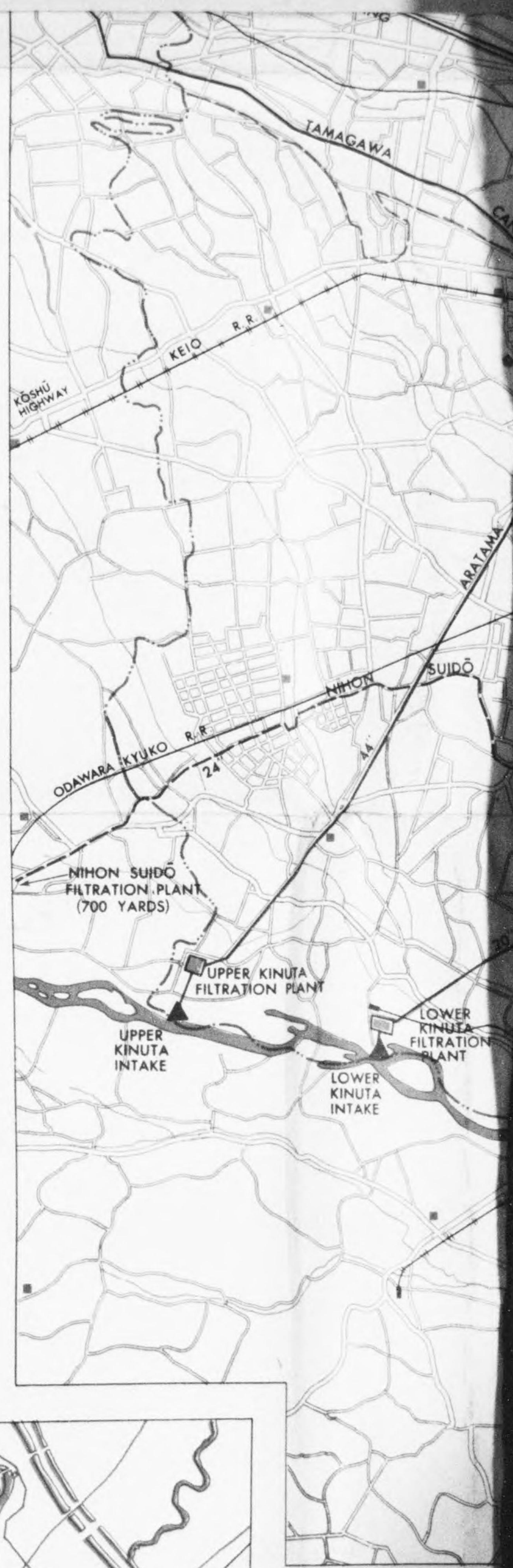

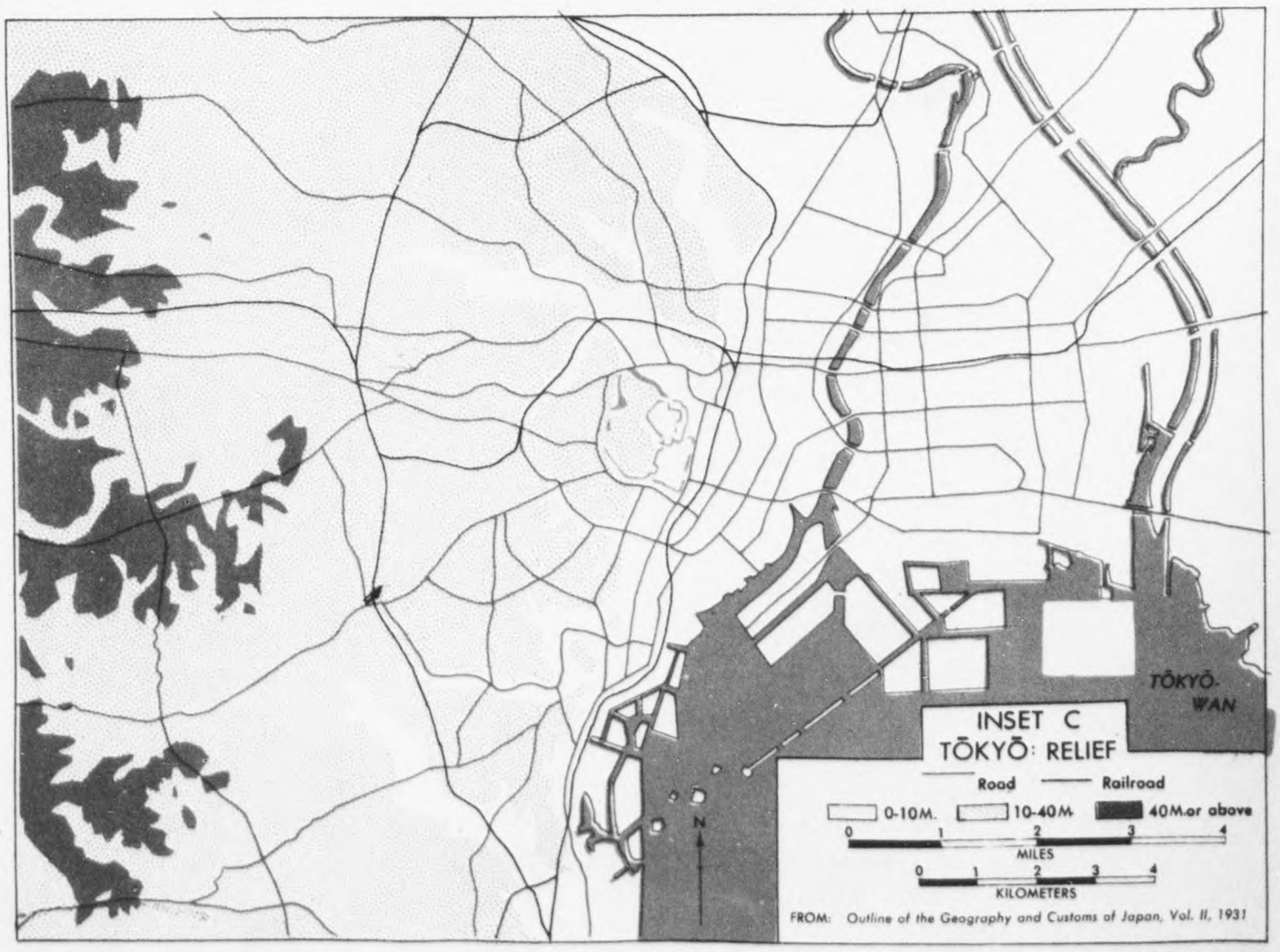

NO. 5973-R & A, OSS
9 FEBRUARY 1945

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