書冊名稱：
Regional Surveys for Civil Affairs Officers
Major Urban Regions of the Southeast Coast and the Island of Taiwan

典藏單位：
台北市政府文化局台北 228 紀念館(100 臺北市中正區凱達格蘭大道 3 號)

數化單位：
數位典藏與學習之海外推展暨國際合作計畫-子計畫四：臺灣文史資源海外徵集與國際合作計畫（中央研究院人文社會科學研究中心　執行）

檔案編號：GK-007-0002-019

數位化格式：400 dpi RGB 24bits Tiff 格式, 400 dpi RGB 24bits Jpeg 格式,
72 dpi 8bits PDF 格式

目錄：

封面	P.1
AMOY (廈門)	P.2~11
FOOCHOW (福州)	P.12~21
TAIHOKU (台北)	P.22~34
TAKAO (高雄)	P.35~45
SHINCHIKU (新竹)	P.46~54
TAICHU (新竹)	P.55~65
KAGI (嘉義)	P.66~76
TAINAN (台南)	P.77~85
HEITO (屏東)	P.86~94
SUO (蘇澳)	P.95~103
KARENKO (花蓮)	P.104~112
TAITO (台東)	P.113~121
Transportation Chart TAIWAN	P.122
Principal Cities of Southern Taiwan	P.123~130
REFUGEE CAMP	P.131~145
封底	P.146

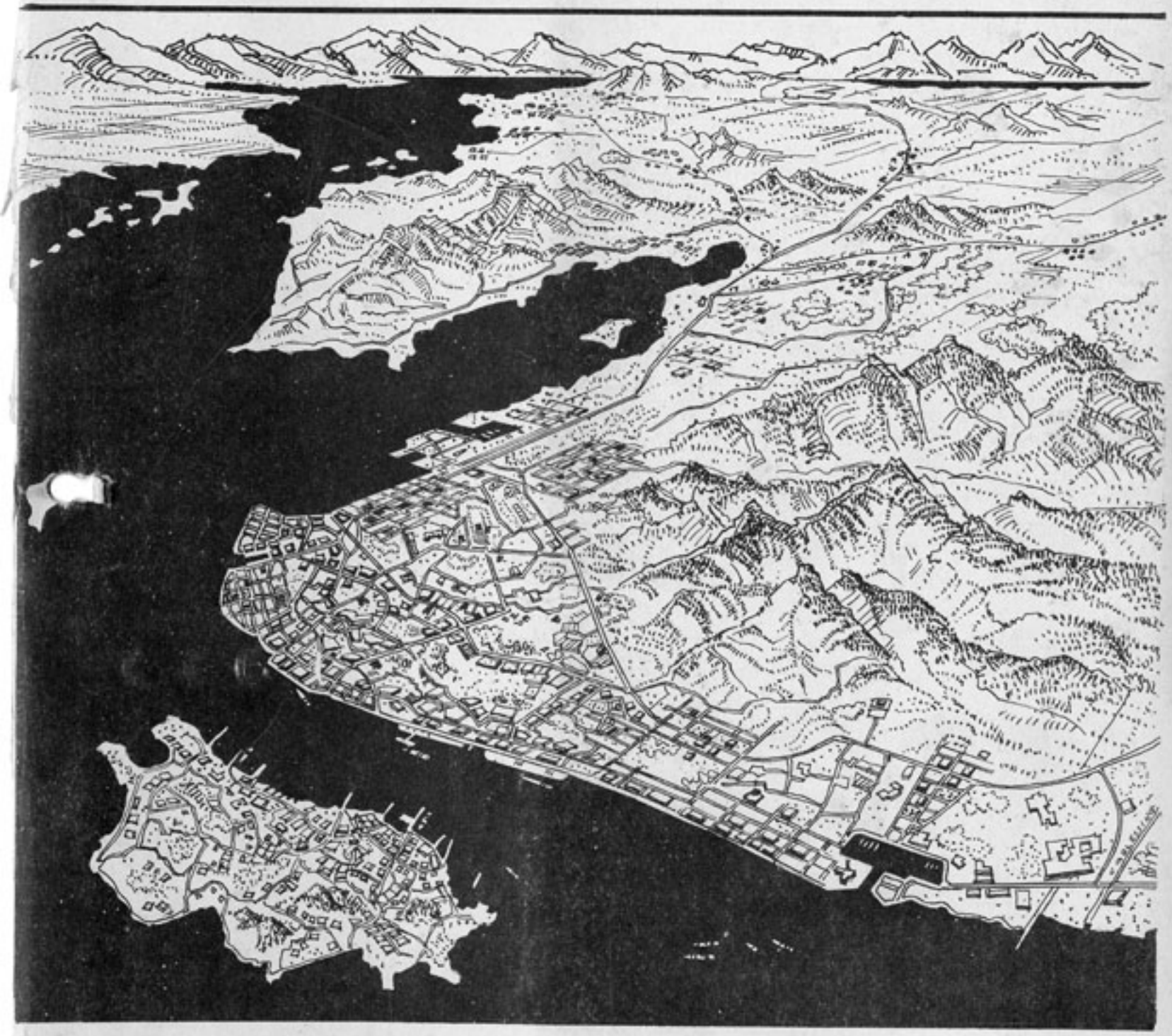
Very Rare
(plates destroyed, very limited distribution among civil Affairs officers.

George H Kerr
1717

REGIONAL SURVEYS FOR CIVIL AFFAIRS OFFICERS

MAJOR URBAN REGIONS OF THE SOUTHEAST CHINA COAST AND THE ISLAND OF TAIWAN

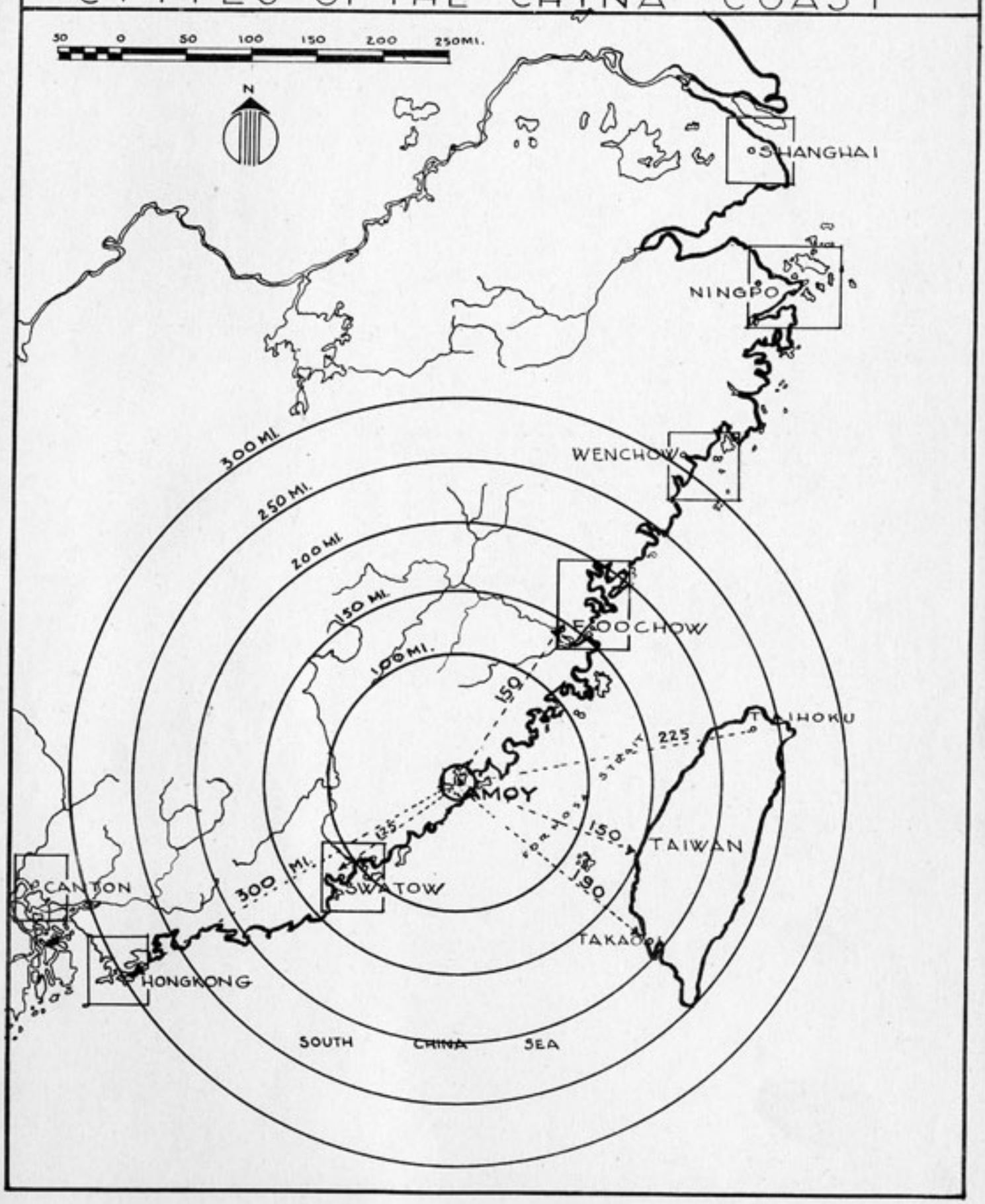
AMOY



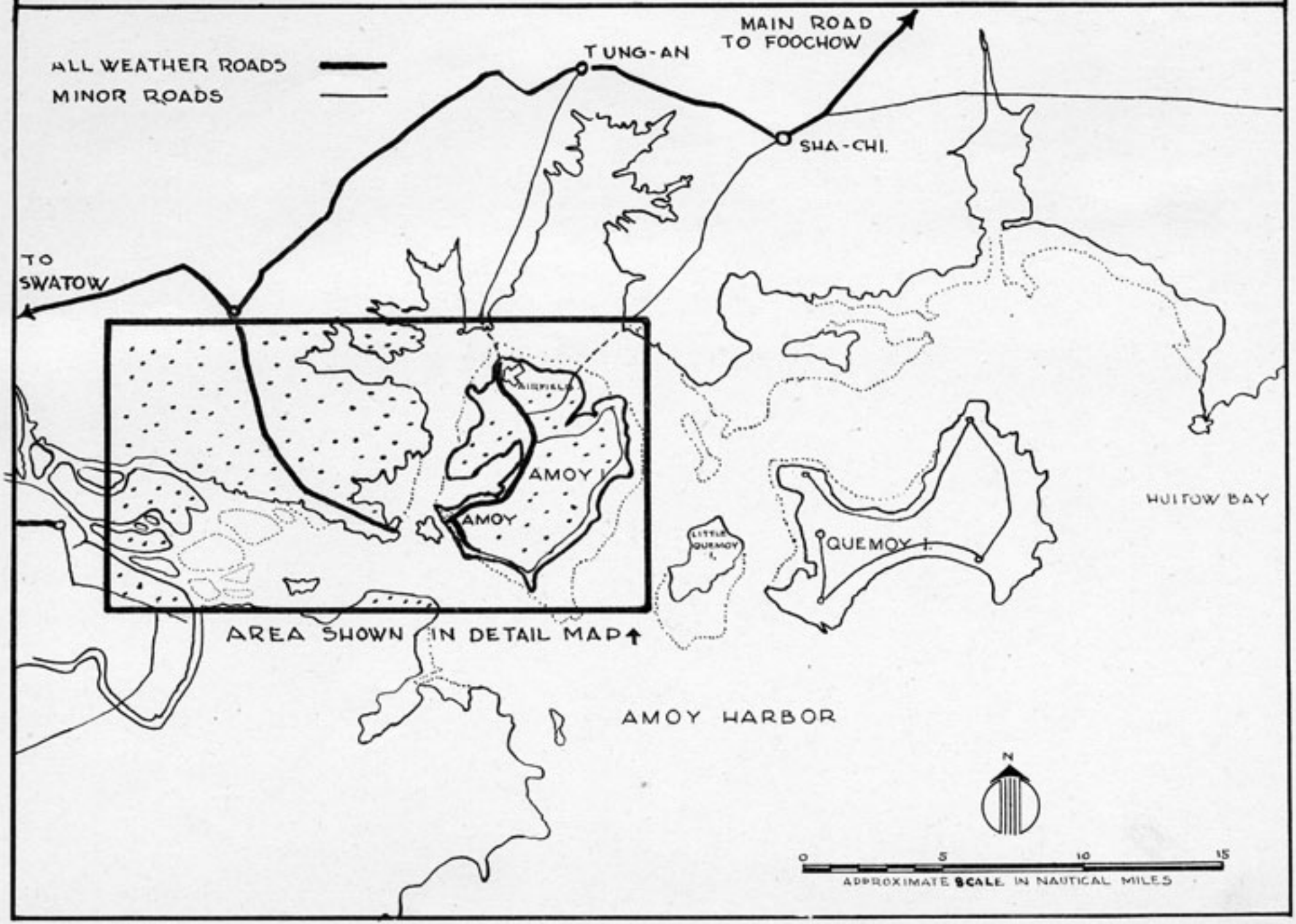
A GRAPHIC SURVEY

FOR CIVIL AFFAIRS OFFICERS

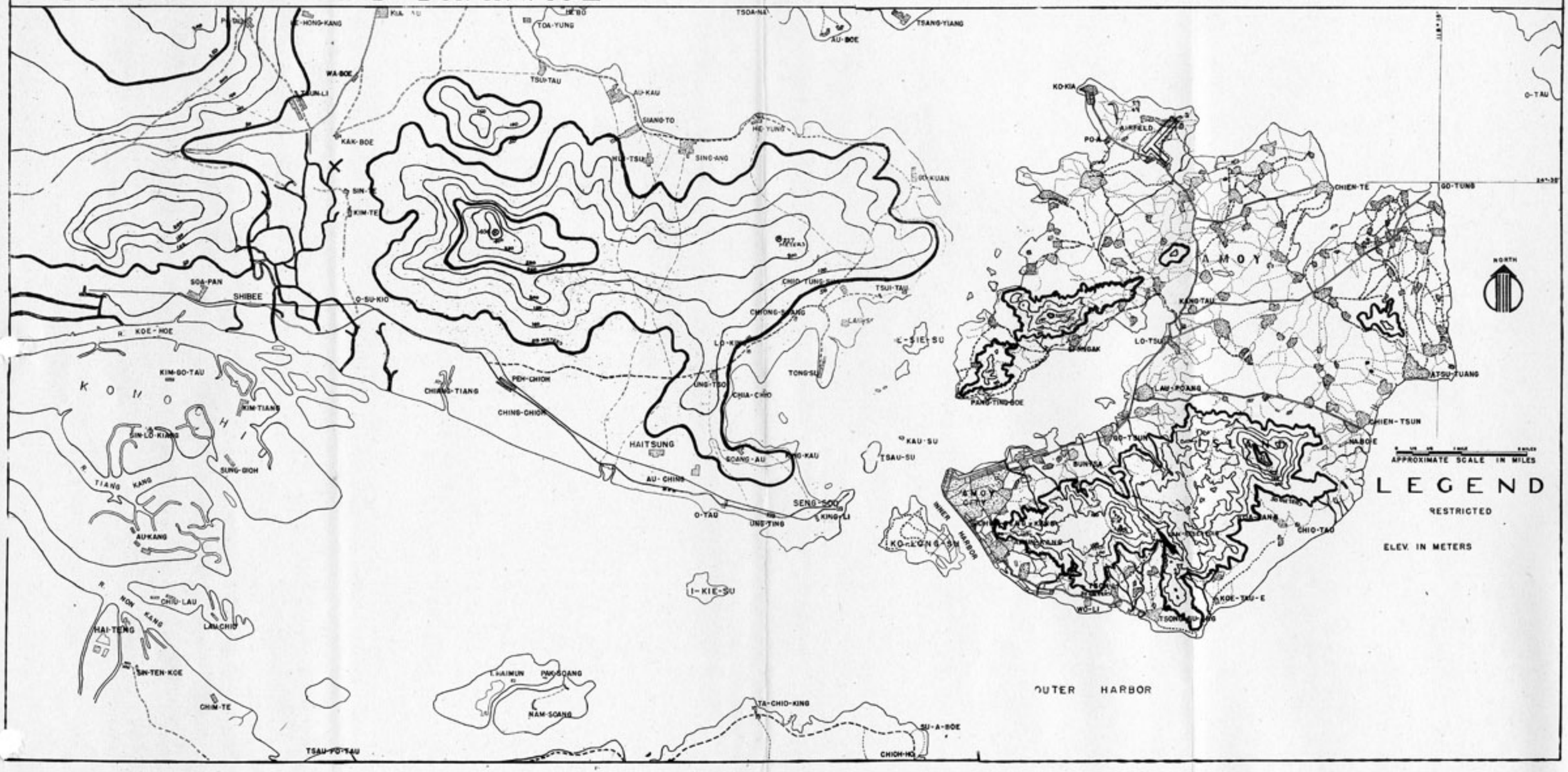
DISTANCE OF AMOY FROM MAJOR CITIES OF THE CHINA COAST



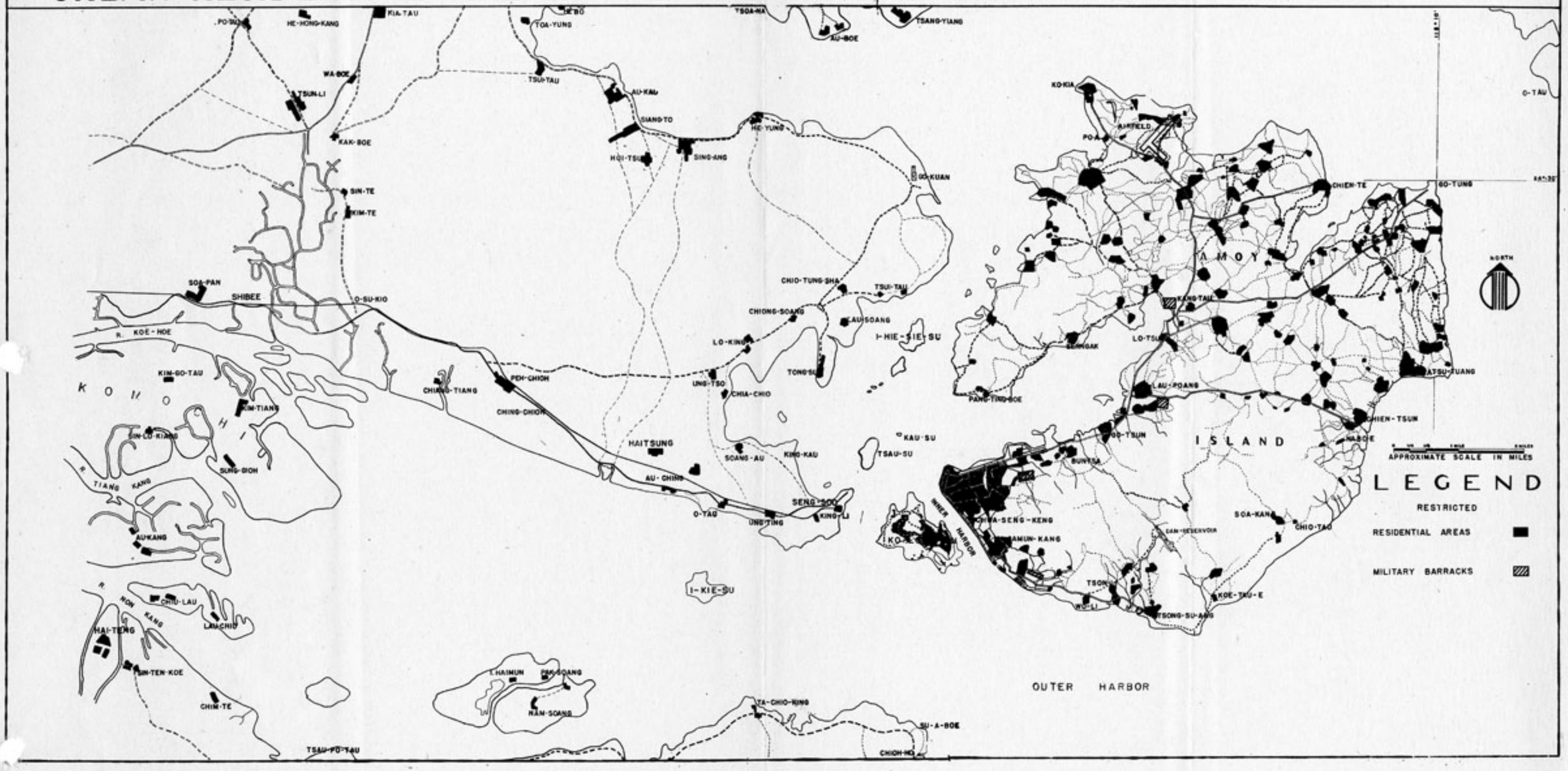
AMOY ISLAND IN RELATION TO SURROUNDING REGION



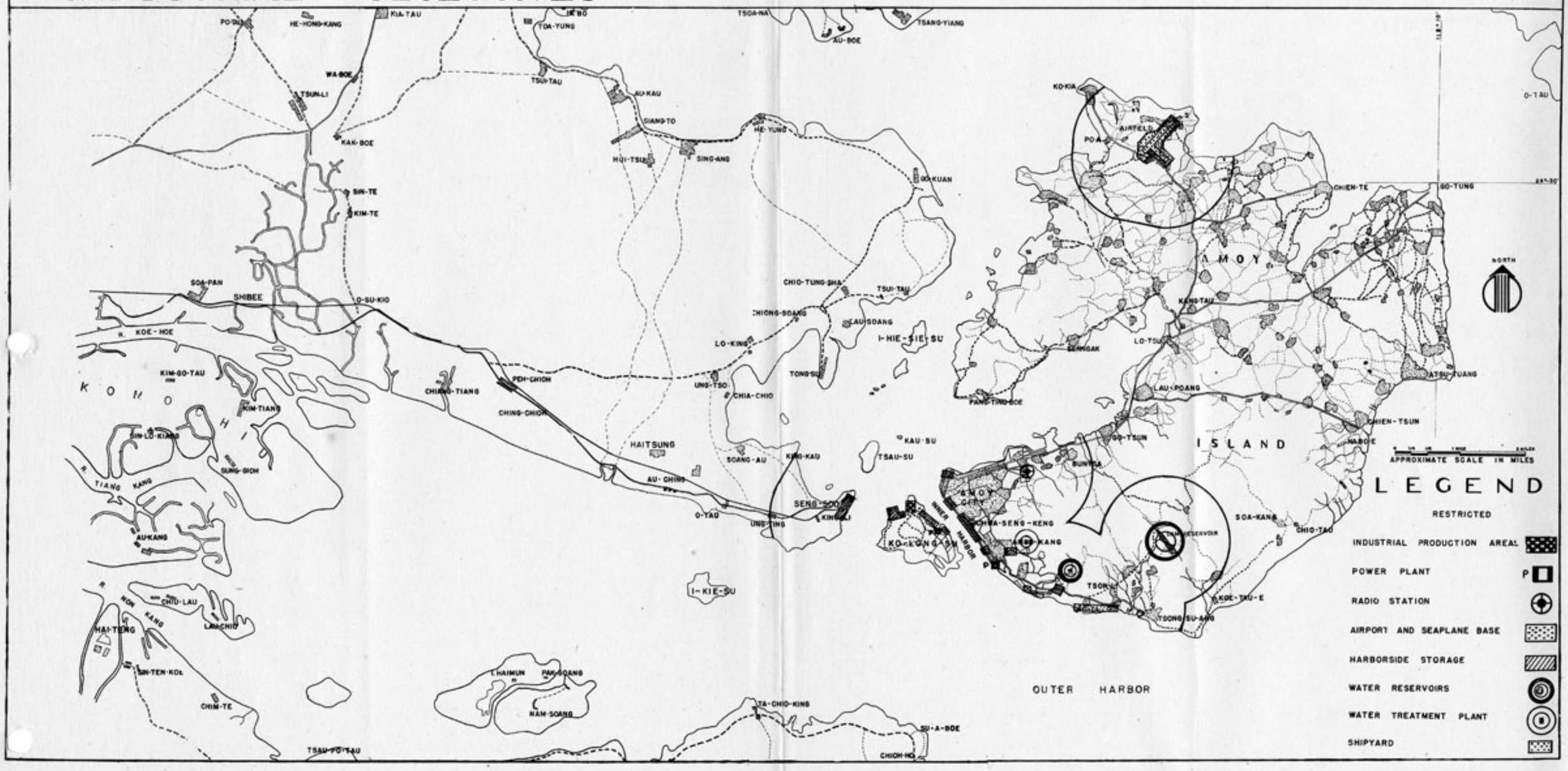
AMOY CITY, FUKIEN PROVINCE, CHINA AND SURROUNDING REGION - BASE MAP
TOPOGRAPHY AND DRAINAGE



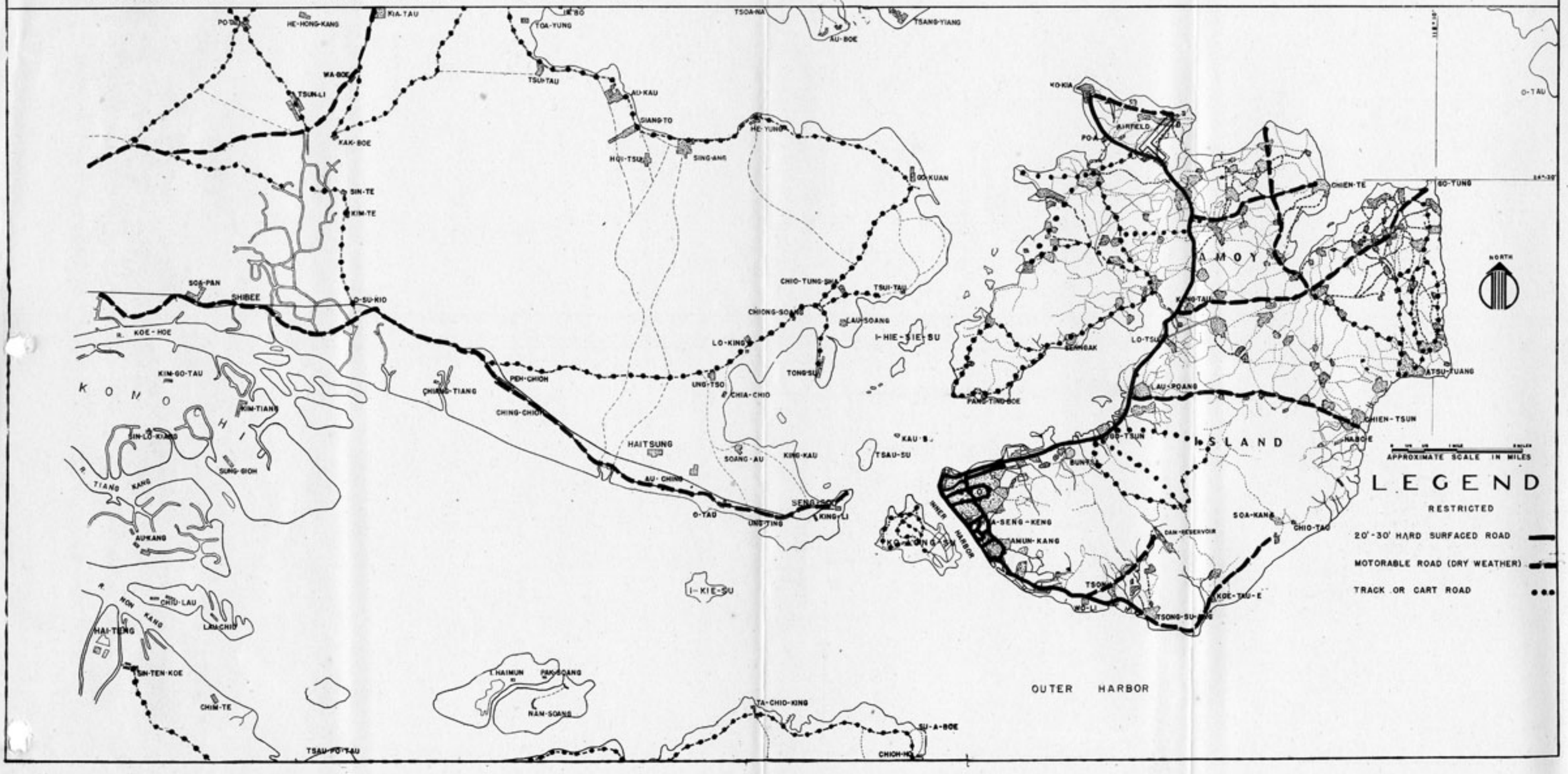
AMOY CITY, FUKIEN PROVINCE, CHINA AND SURROUNDING REGION - BASE MAP
URBAN RESIDENTIAL AREAS AND MILITARY BARRACKS



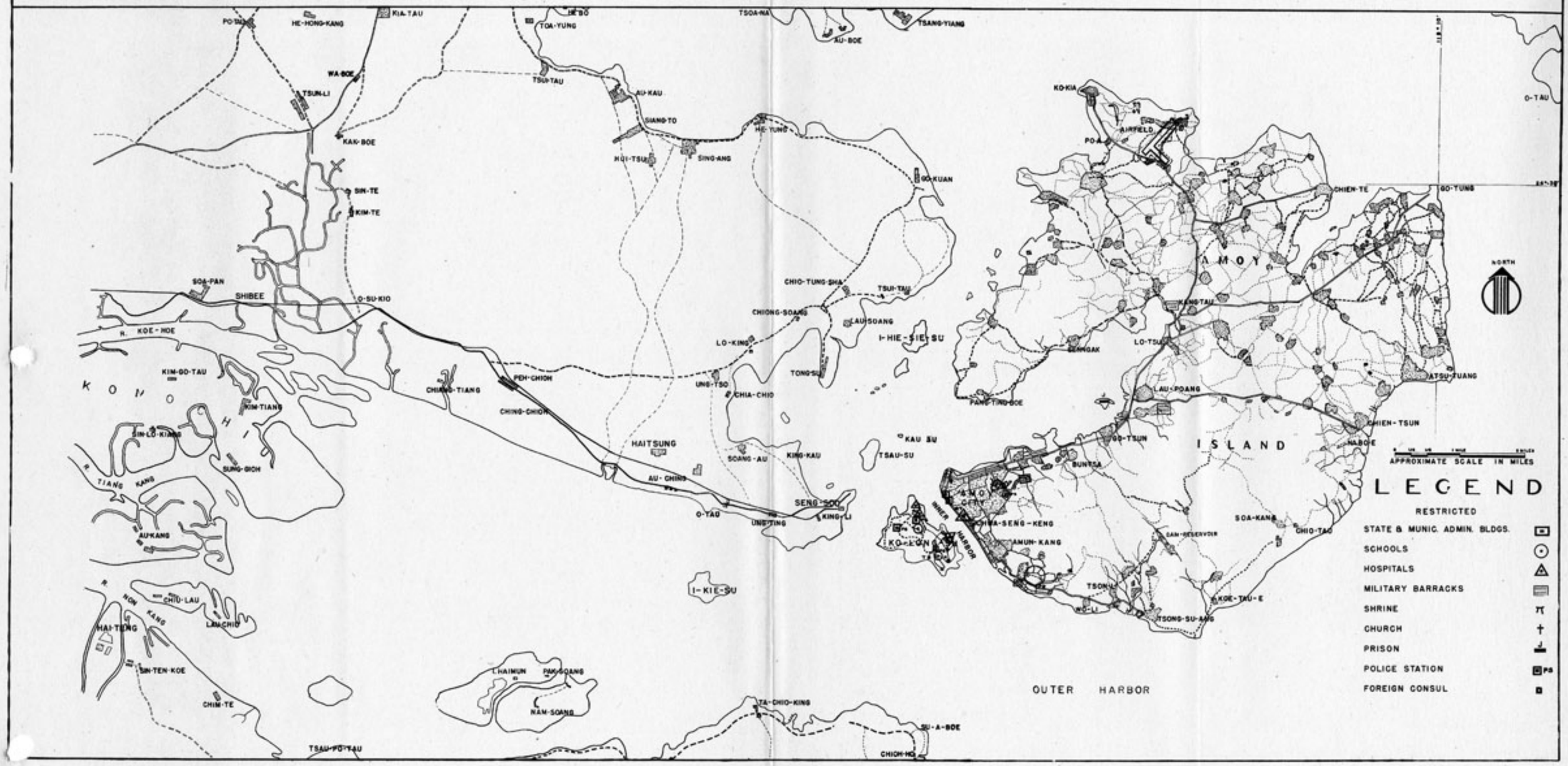
AMOY CITY, FUKIEN PROVINCE, CHINA AND SURROUNDING REGION - BASE MAP
INDUSTRIAL OBJECTIVES



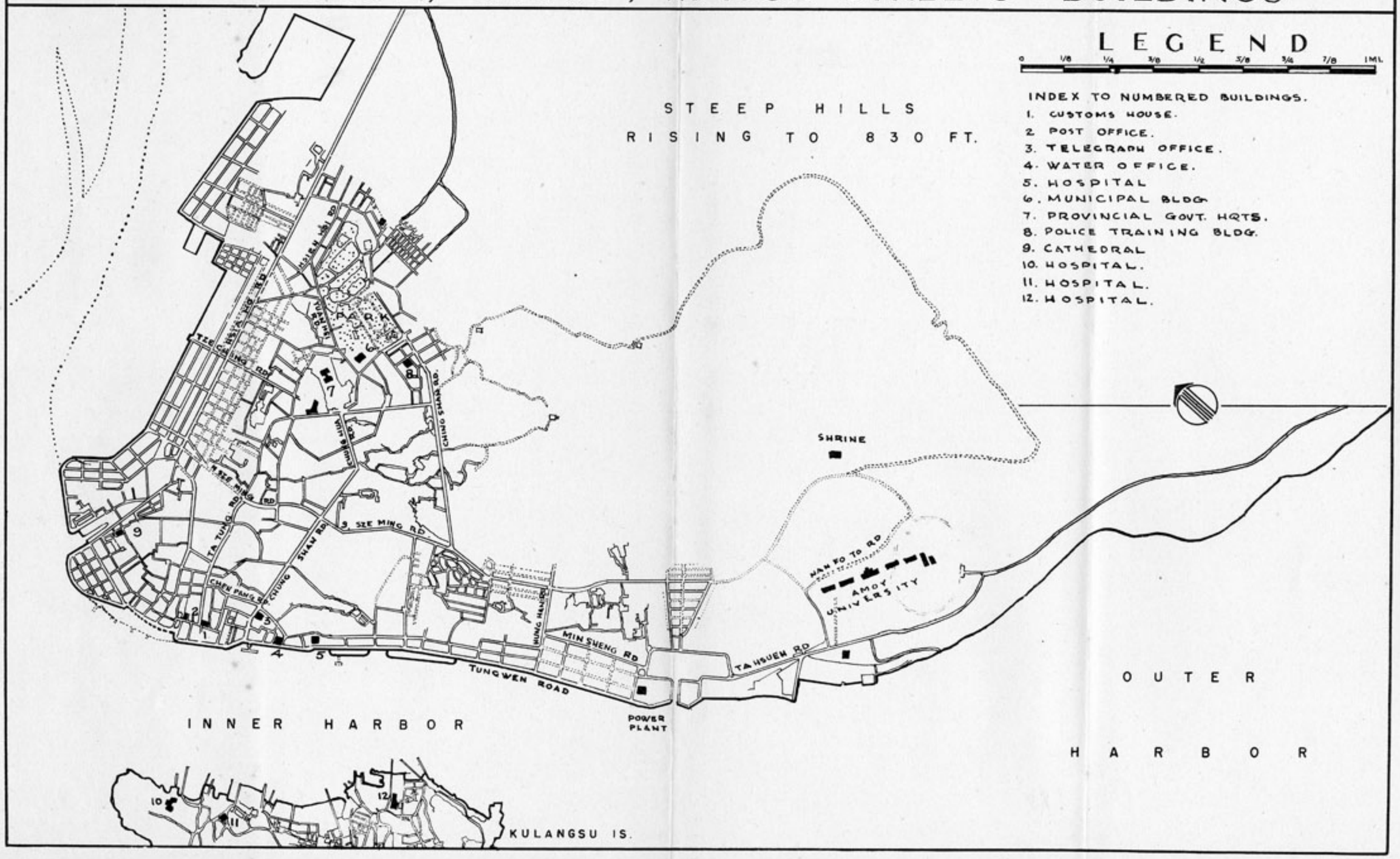
AMOY CITY, FUKIEN PROVINCE, CHINA AND SURROUNDING REGION - BASE MAP
PRINCIPAL HIGHWAY ROUTES



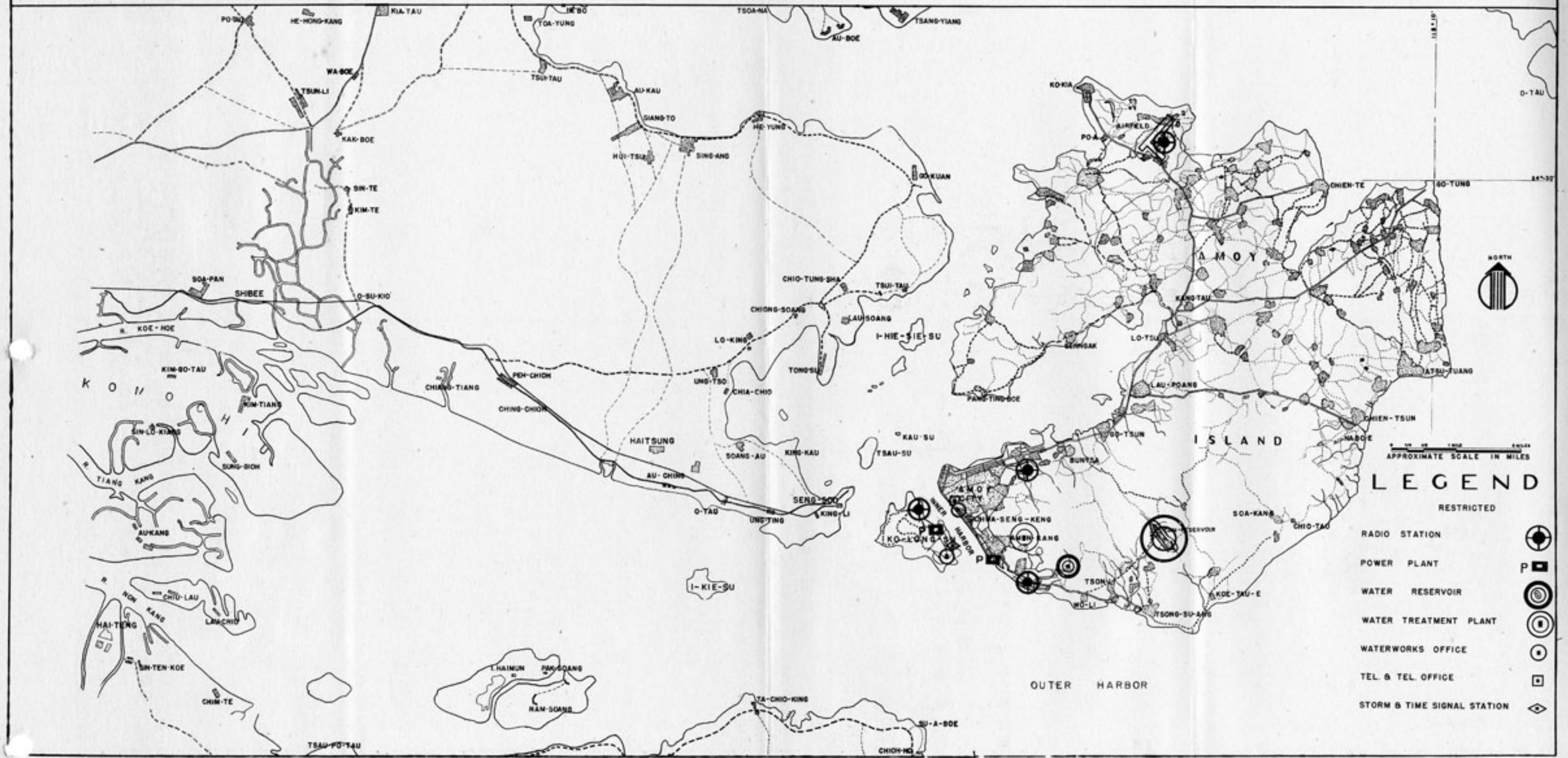
AMOY CITY, FUKIEN PROVINCE, CHINA AND SURROUNDING REGION - BASE MAP
MAJOR PUBLIC BUILDINGS



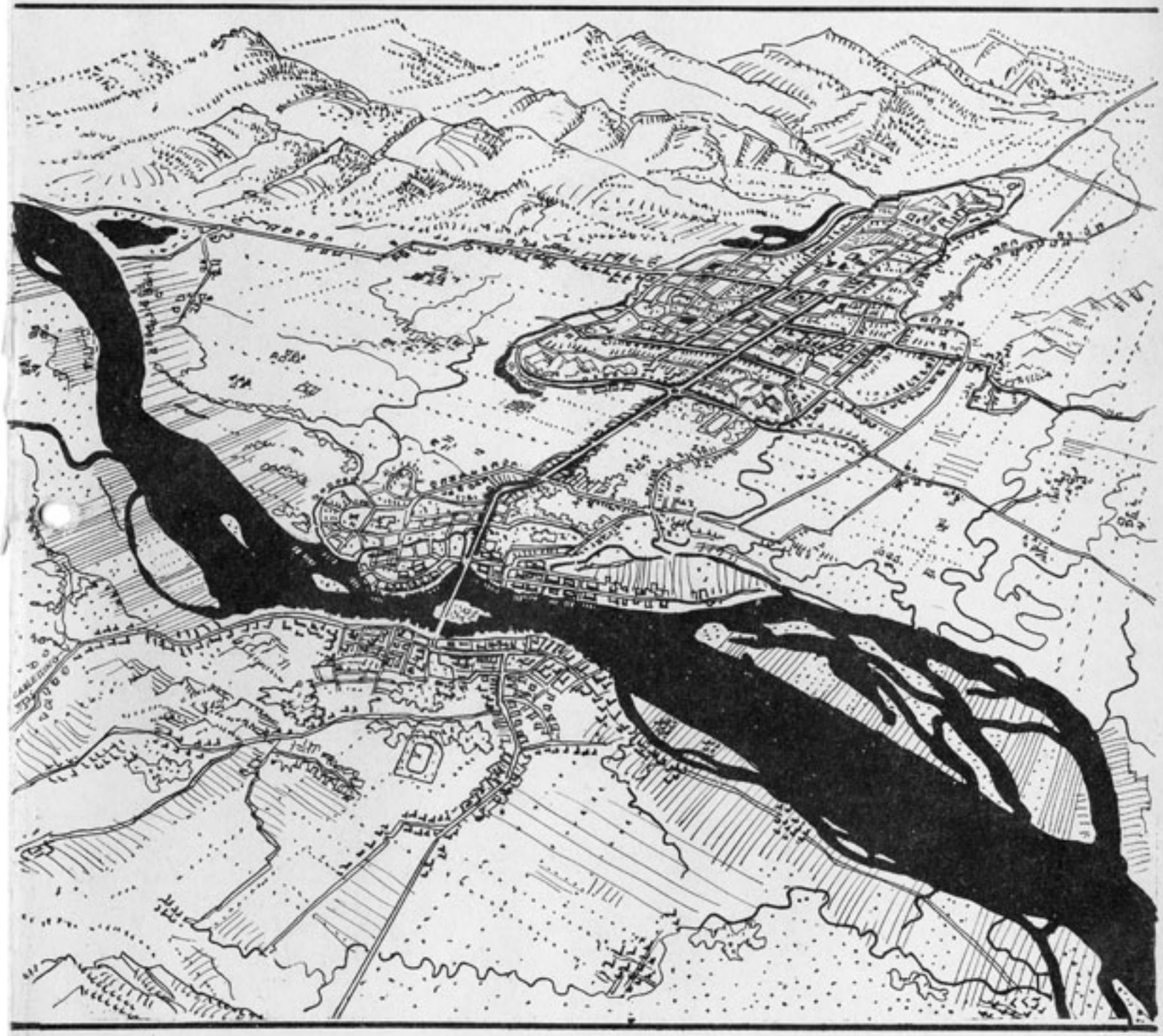
CITY OF AMOY, CHINA, MAJOR STREETS & BUILDINGS



AMOY CITY, FUKIEN PROVINCE, CHINA AND SURROUNDING REGION - BASE MAP
PUBLIC UTILITIES



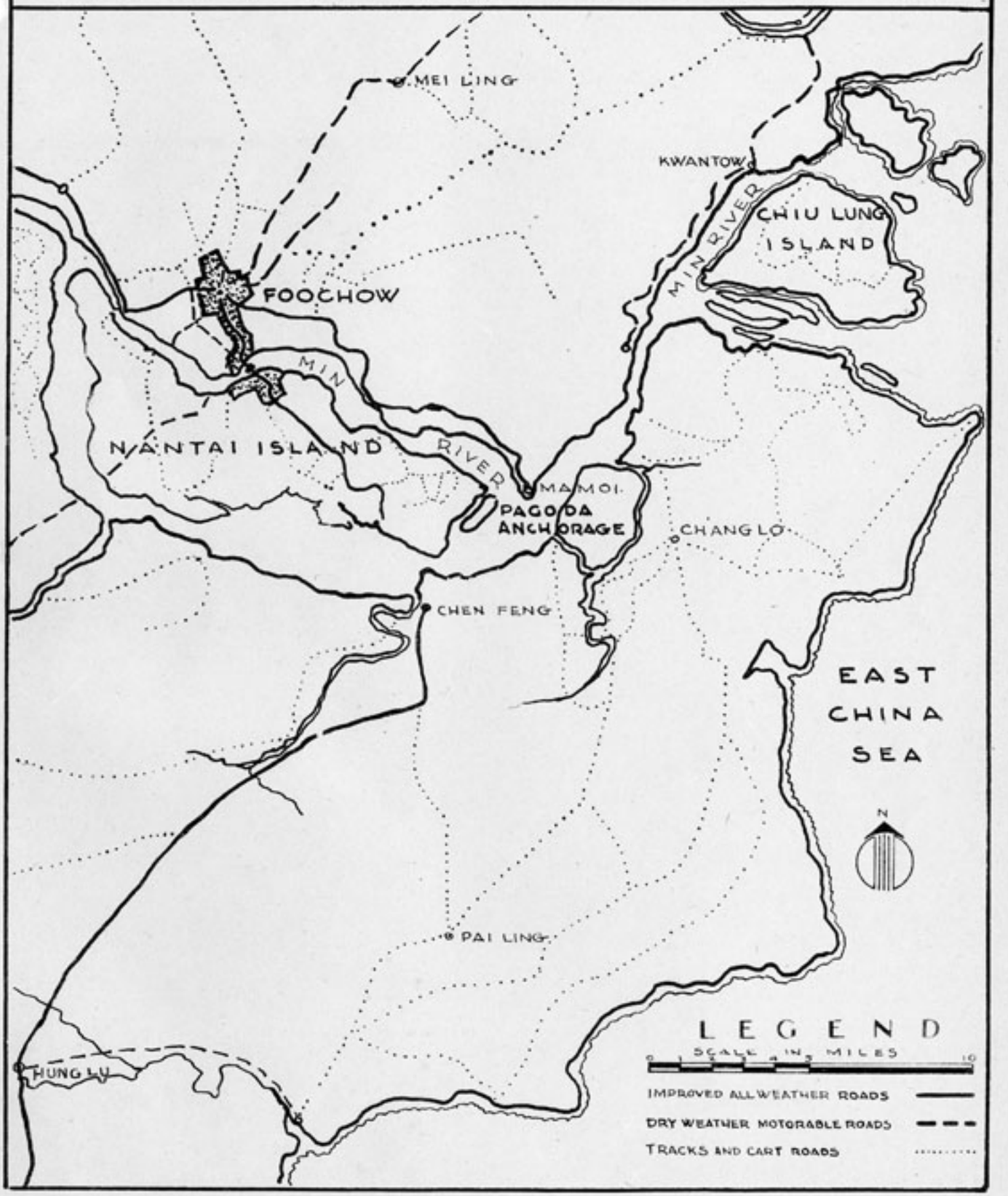
FOOCHOW



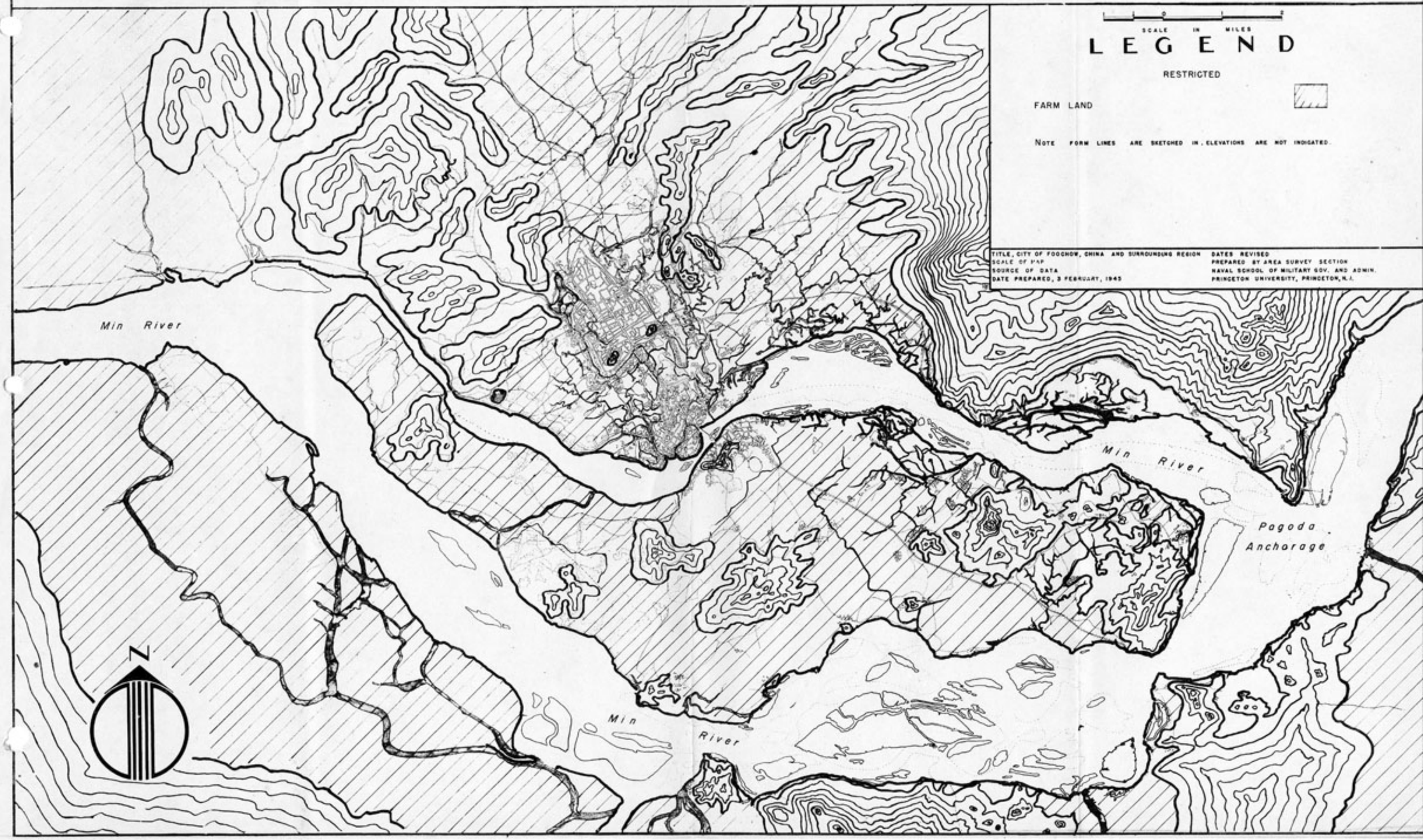
A GRAPHIC SURVEY
FOR CIVIL AFFAIRS OFFICERS

CITIES OF THE CHINA COAST
50 0 50 100 150 200 250MI.
N
SHANGHAI
NINGPO
WENCHOW
FOOCHOW
FOOCHOW
TAIHOKU
AMOY
TAIWAN
ANTON
SWATOW
TAKAO
HONGKONG
SOUTH CHINA SEA

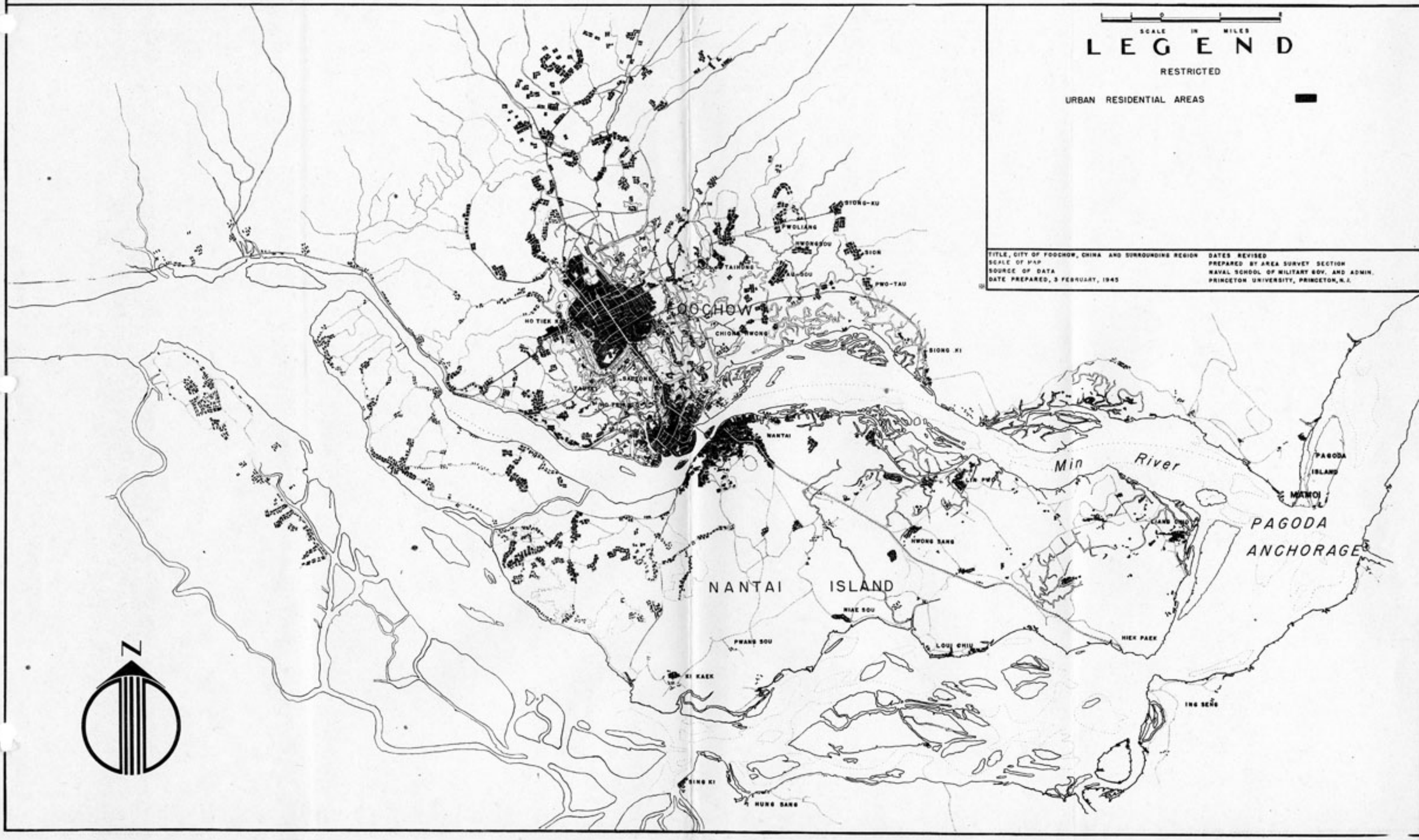
CITY OF FOOCHOW AND SURROUNDING REGION IN RELATION TO EAST CHINA SEA



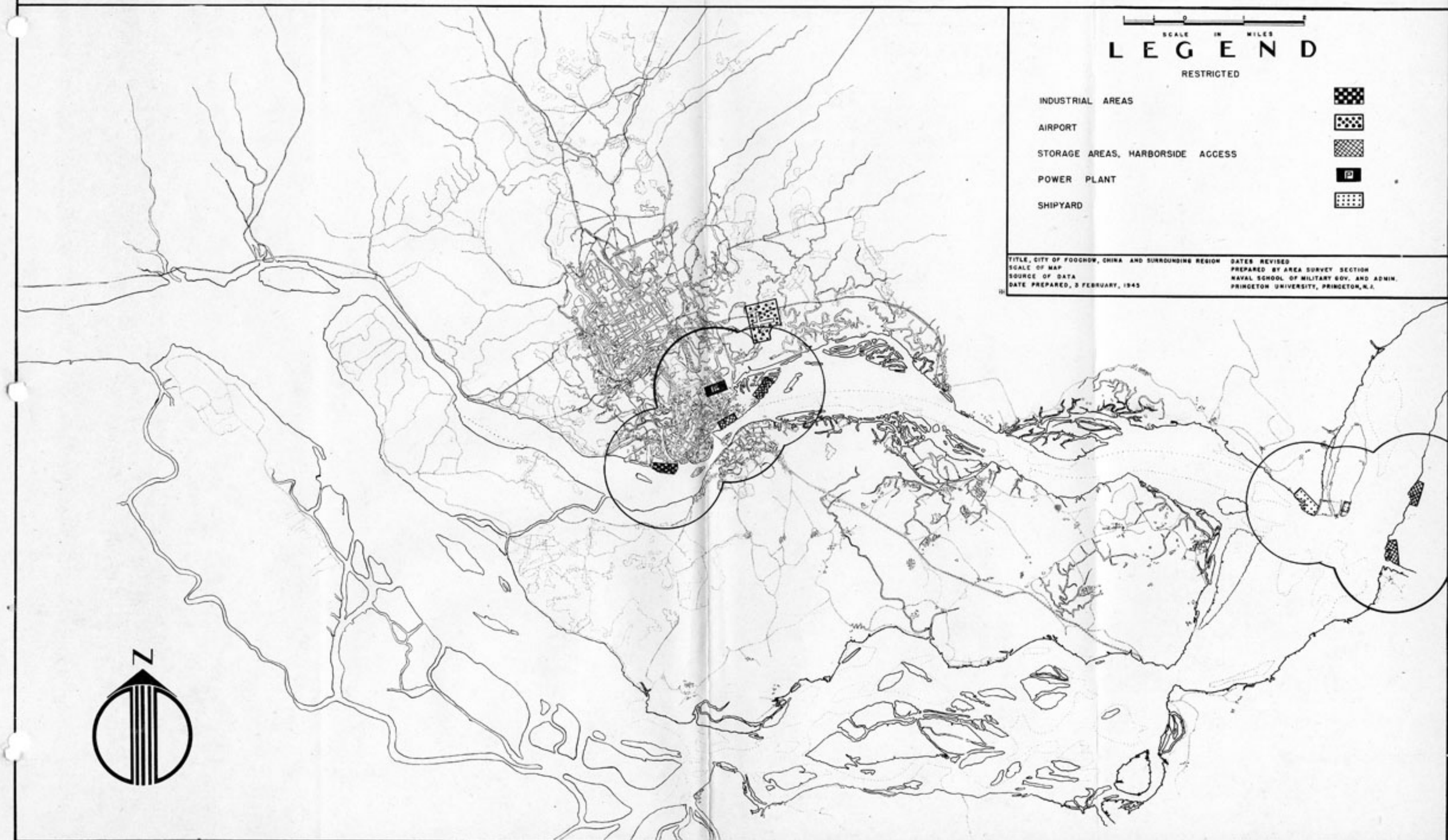
CITY OF FOOCHOW, CHINA AND SURROUNDING REGION - BASE MAP
TOPOGRAPHY AND DRAINAGE



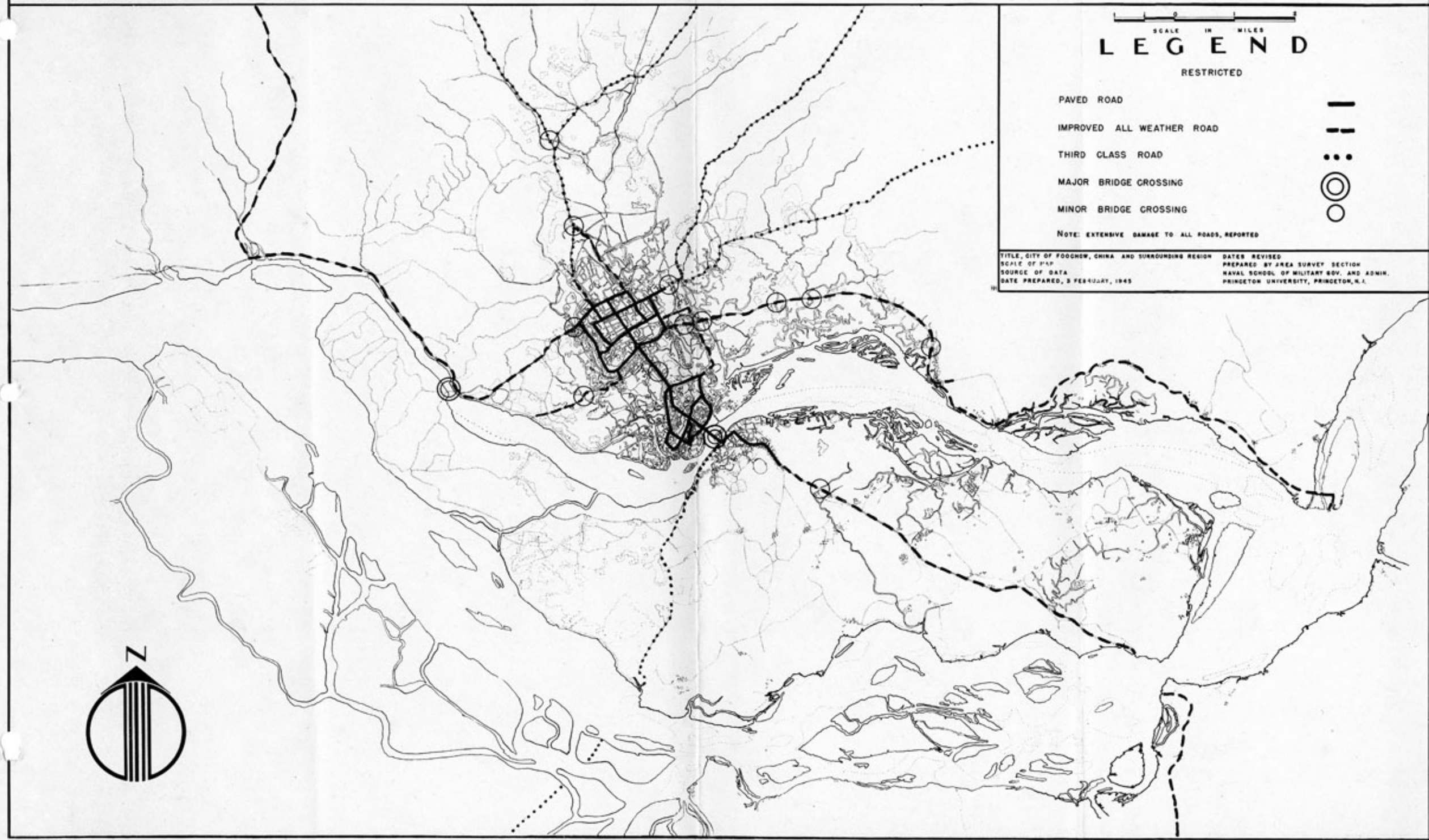
CITY OF FOOCHOW, CHINA AND SURROUNDING REGION - BASE MAP
URBAN RESIDENTIAL AREAS



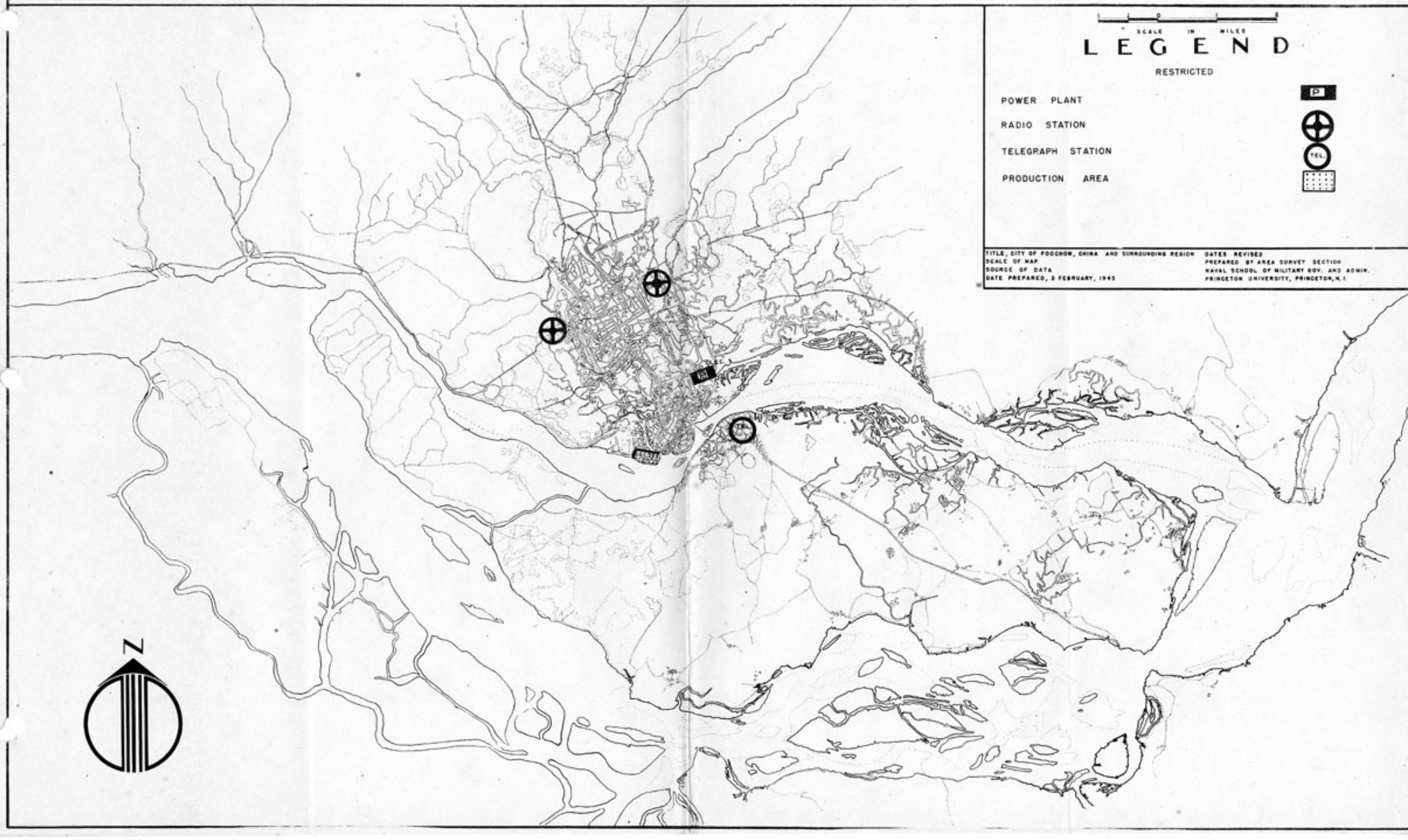
CITY OF FOOCHOW, CHINA AND SURROUNDING REGION - BASE MAP
INDUSTRIAL AREAS



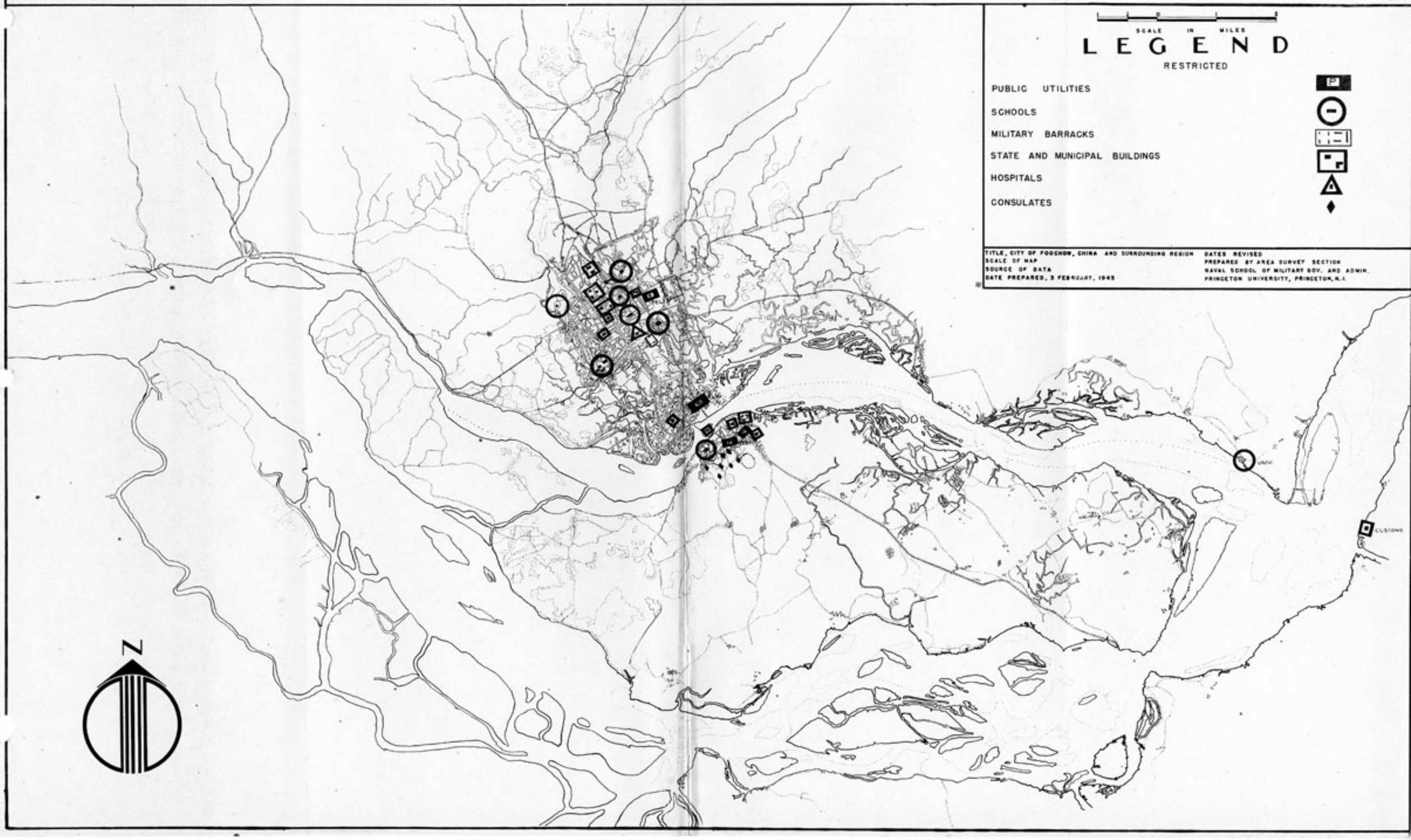
CITY OF FOOCHOW, CHINA AND SURROUNDING REGION - BASE MAP
PRINCIPAL HIGHWAY ROUTES



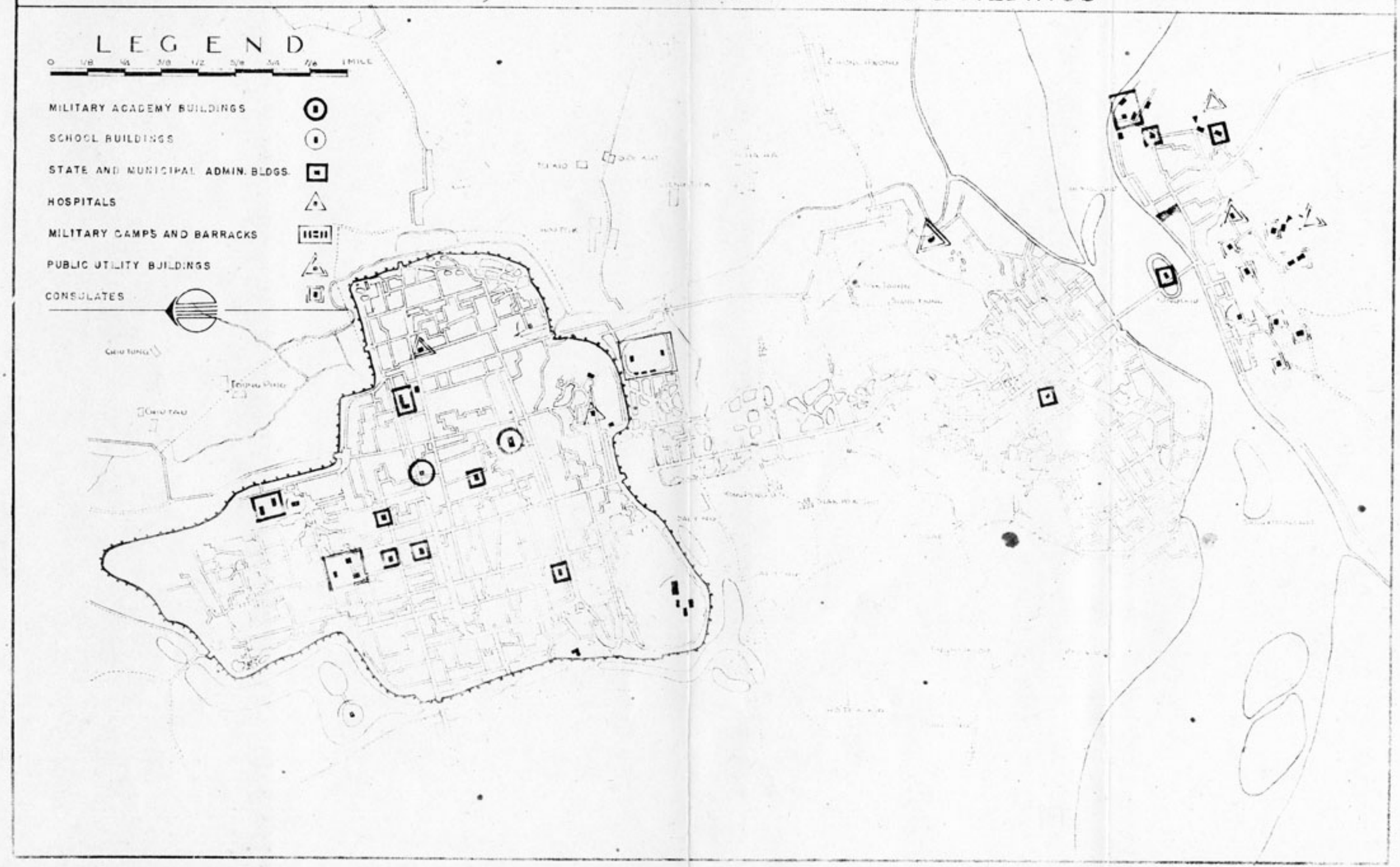
CITY OF FOOCHOW, CHINA AND SURROUNDING REGION - BASE MAP
PUBLIC UTILITIES



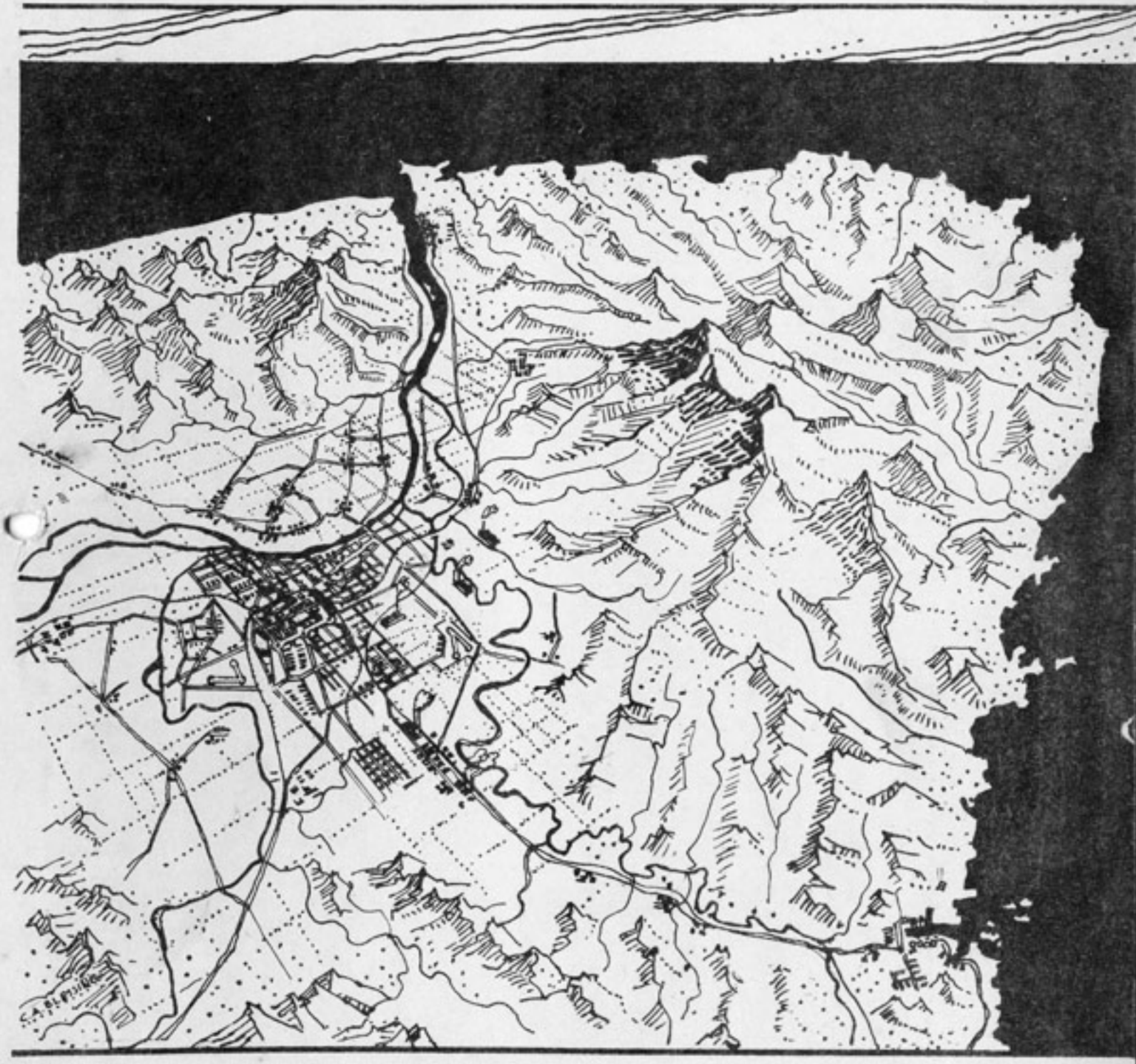
CITY OF FOOCHOW, CHINA AND SURROUNDING REGION - BASE MAP
MAJOR PUBLIC BUILDINGS



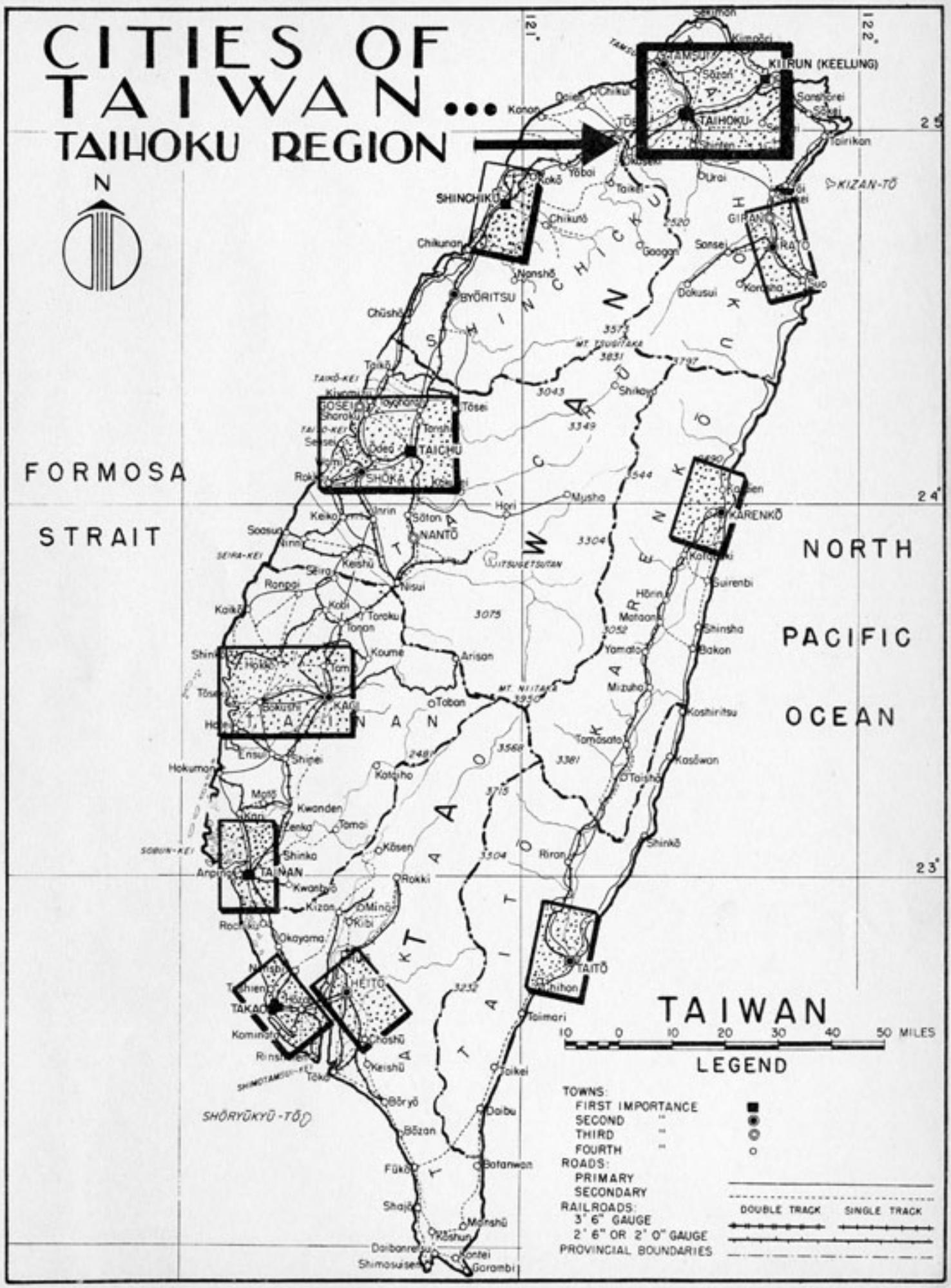
CITY OF FOOCHOW, CHINA MAJOR PUBLIC BUILDINGS



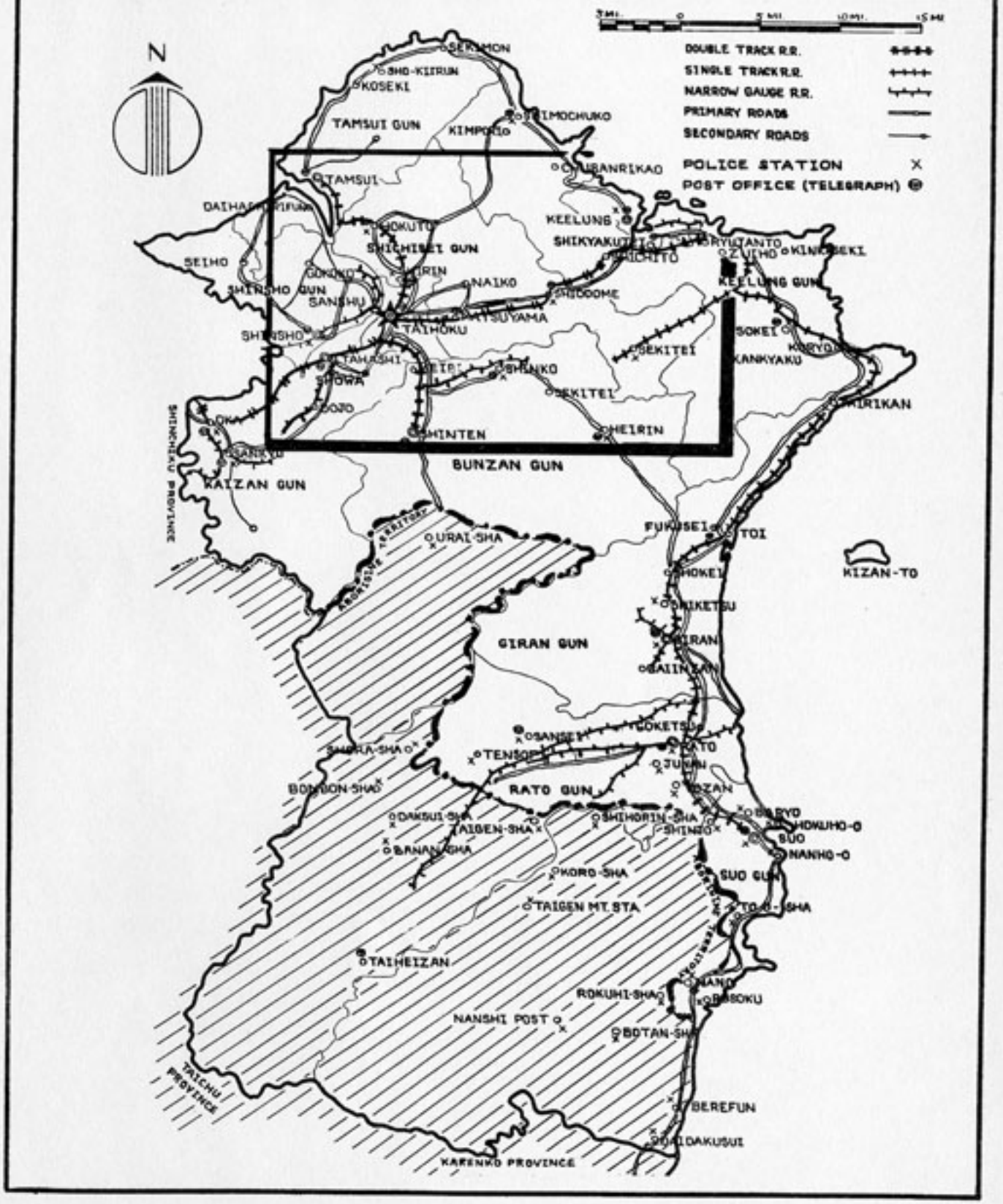
TAIHOKU



A GRAPHIC SURVEY
FOR CIVIL AFFAIRS OFFICERS

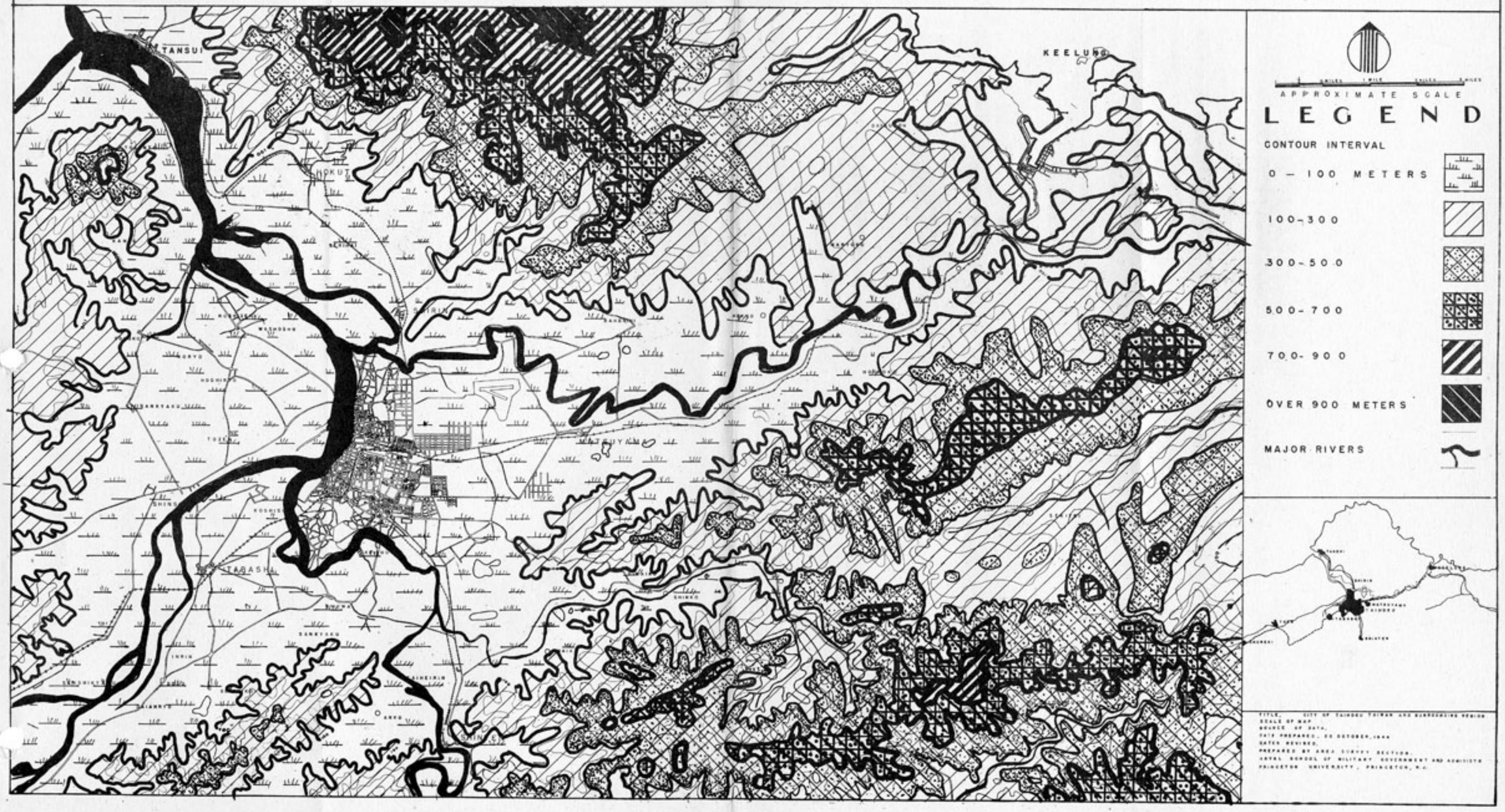

CITIES OF TAIWAN...
TAIHOKU REGION
N
FORMOSA
STRAIT
NORTH
PACIFIC
OCEAN
KIIRUN (KEELUNG)
TAIHOKU
SHINCHIKU
GIRAN
RATO
BYŌRITSU
GOSEI
TAICHU
SHŌKA
NANTŌ
KARENKŌ
TAINAN
KAGI
TAINAN
HEITŌ
TAKAO
TAITŌ
KIZAN-TŌ
SHŌRYŪKYŪ-TŌ
TAIWAN
10 0 10 20 30 40 50 MILES
LEGEND
TOWNS:
FIRST IMPORTANCE
SECOND "
THIRD "
FOURTH "
ROADS:
PRIMARY
SECONDARY
RAILROADS:
3' 6" GAUGE
2' 6" OR 2' 0" GAUGE
PROVINCIAL BOUNDARIES
DOUBLE TRACK
SINGLE TRACK

CITY OF TAIHOKU AND SURROUNDING REGION IN RELATION TO TAIHOKU PROVINCE

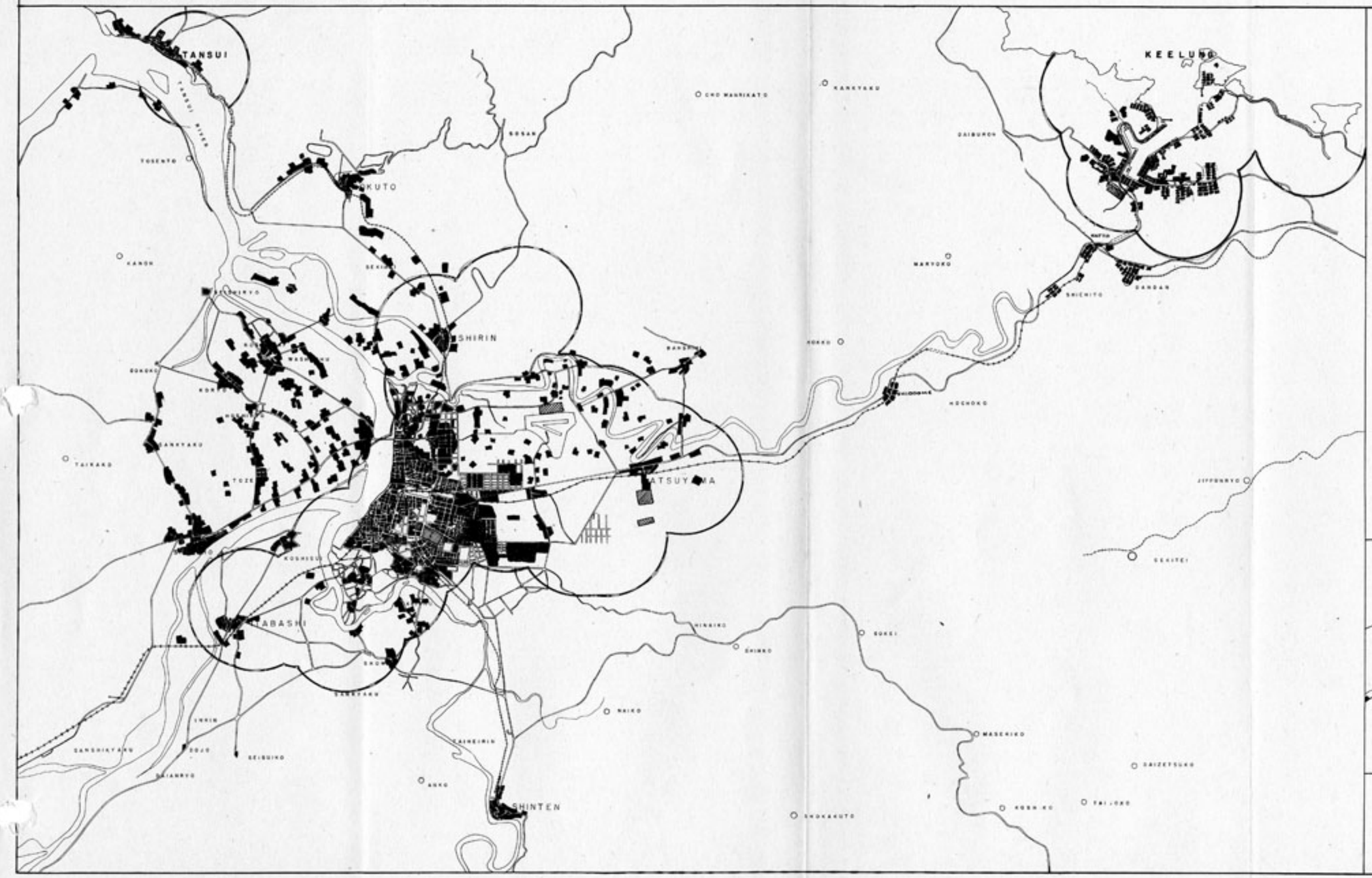


CITY OF TAIHOKU, TAIWAN AND SURROUNDING REGION - BASE MAP

TOPOGRAPHY AND DRAINAGE



CITY OF TAIHOKU, TAIWAN AND SURROUNDING REGION - BASE MAP
URBAN RESIDENTIAL AREAS



APPROXIMATE SCALE

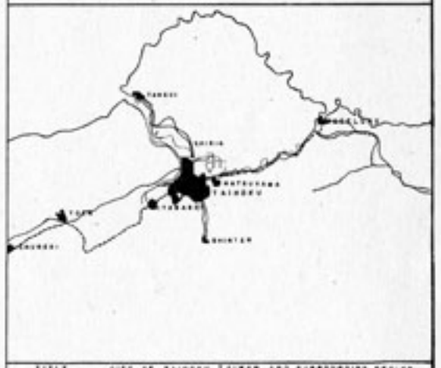
LEGEND

RESTRICTED

BUILT UP RESIDENTIALS SECTIONS

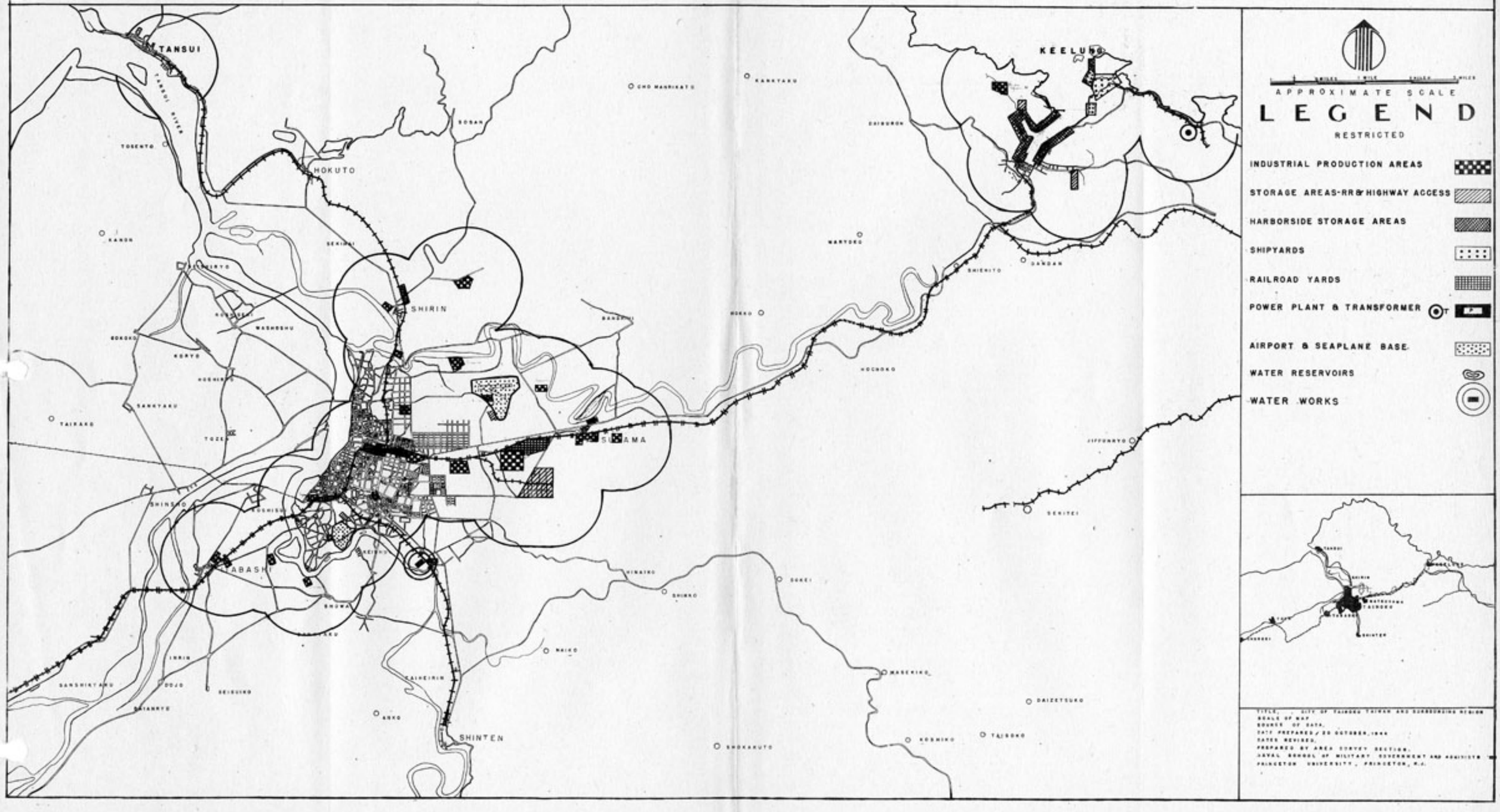
MILITARY BARRACKS

AREA WITHIN 1 MILE OF MAJOR OBJECTIVES



TITLE. CITY OF TAIHOKU TAIWAN AND SURROUNDING REGION
SCALE OF MAP
SOURCE OF DATA.
DATE PREPARED. 20 OCTOBER, 1944
DATES REVISED.
PREPARED BY AREA STUDY SECTION.
JOINT SCHOOL OF MILITARY GOVERNMENT AND ADMINISTRATION
PRINCETON UNIVERSITY, PRINCETON, N.J.

CITY OF TAIHOKU, TAIWAN AND SURROUNDING REGION - BASE MAP
INDUSTRIAL AREAS



APPROXIMATE SCALE

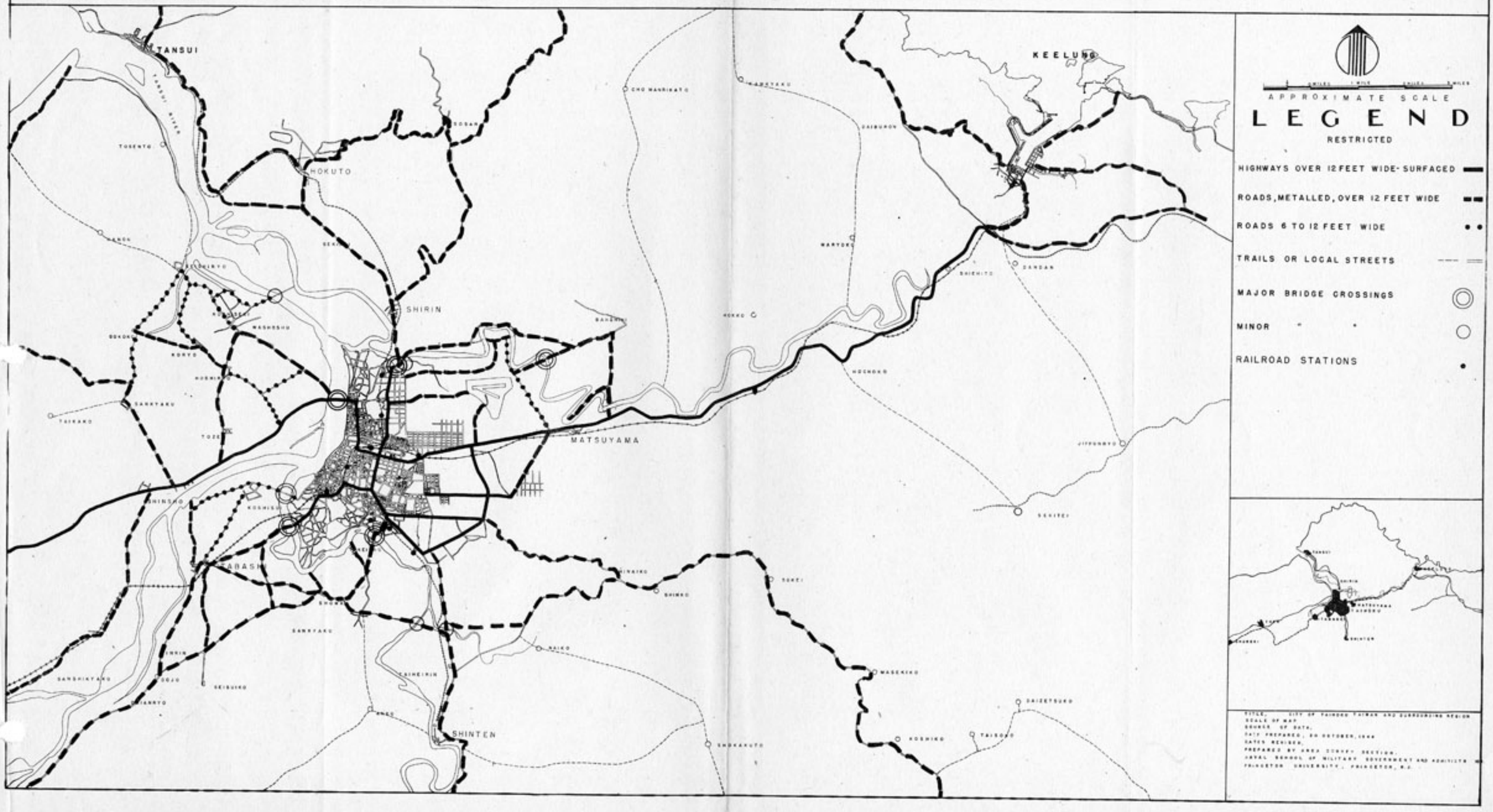
LEGEND

RESTRICTED

- INDUSTRIAL PRODUCTION AREAS
- STORAGE AREAS-RR & HIGHWAY ACCESS
- HARBORSIDE STORAGE AREAS
- SHIPYARDS
- RAILROAD YARDS
- POWER PLANT & TRANSFORMER
- AIRPORT & SEAPLANE BASE
- WATER RESERVOIRS
- WATER WORKS

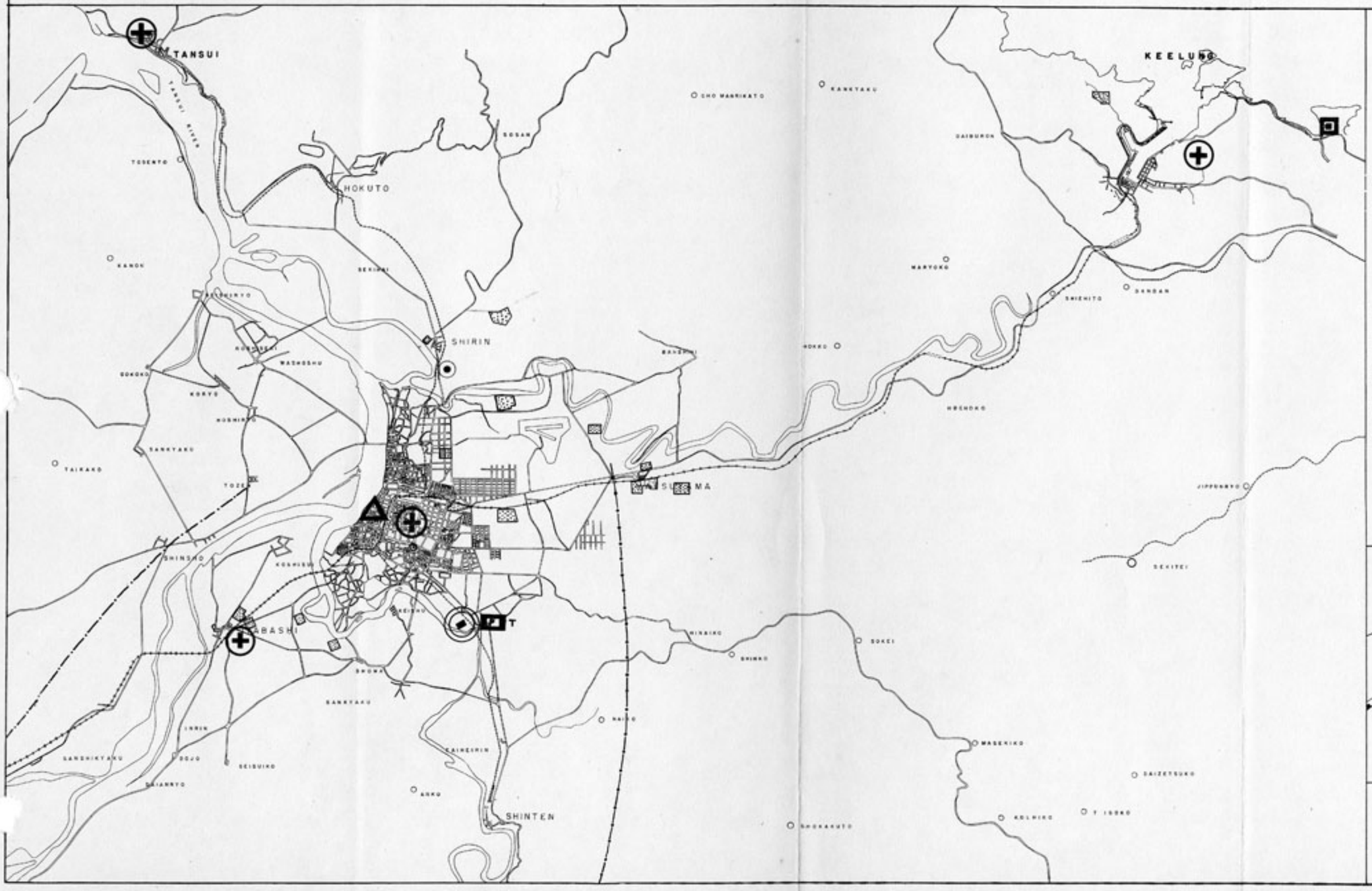
TITLE, CITY OF TAIHOKU TAIWAN AND SURROUNDING REGION
SCALE OF MAP
SOURCE OF DATA,
DATE PREPARED, 20 OCTOBER, 1944
DATES REVISED,
PREPARED BY AREA SURVEY SECTION,
NAVAL SCHOOL OF MILITARY GOVERNMENT AND ADMINISTRATION
PRINCETON UNIVERSITY, PRINCETON, N.J.

CITY OF TAIHOKU, TAIWAN AND SURROUNDING REGION - BASE MAP
PRINCIPAL HIGHWAY ROUTES



CITY OF TAIHOKU, TAIWAN AND SURROUNDING REGION - BASE MAP

PUBLIC UTILITIES



APPROXIMATE SCALE

LEGEND

RESTRICTED

PROBABLE WATER SUPPLY STORAGE TANKS.

WATER WORKS

THERMAL POWER PLANT

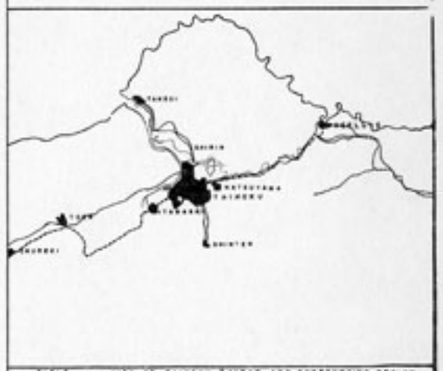
POWER TRANSFORMER STATION

GAS WORKS

MAIN POWER LINE

RADIO STATION

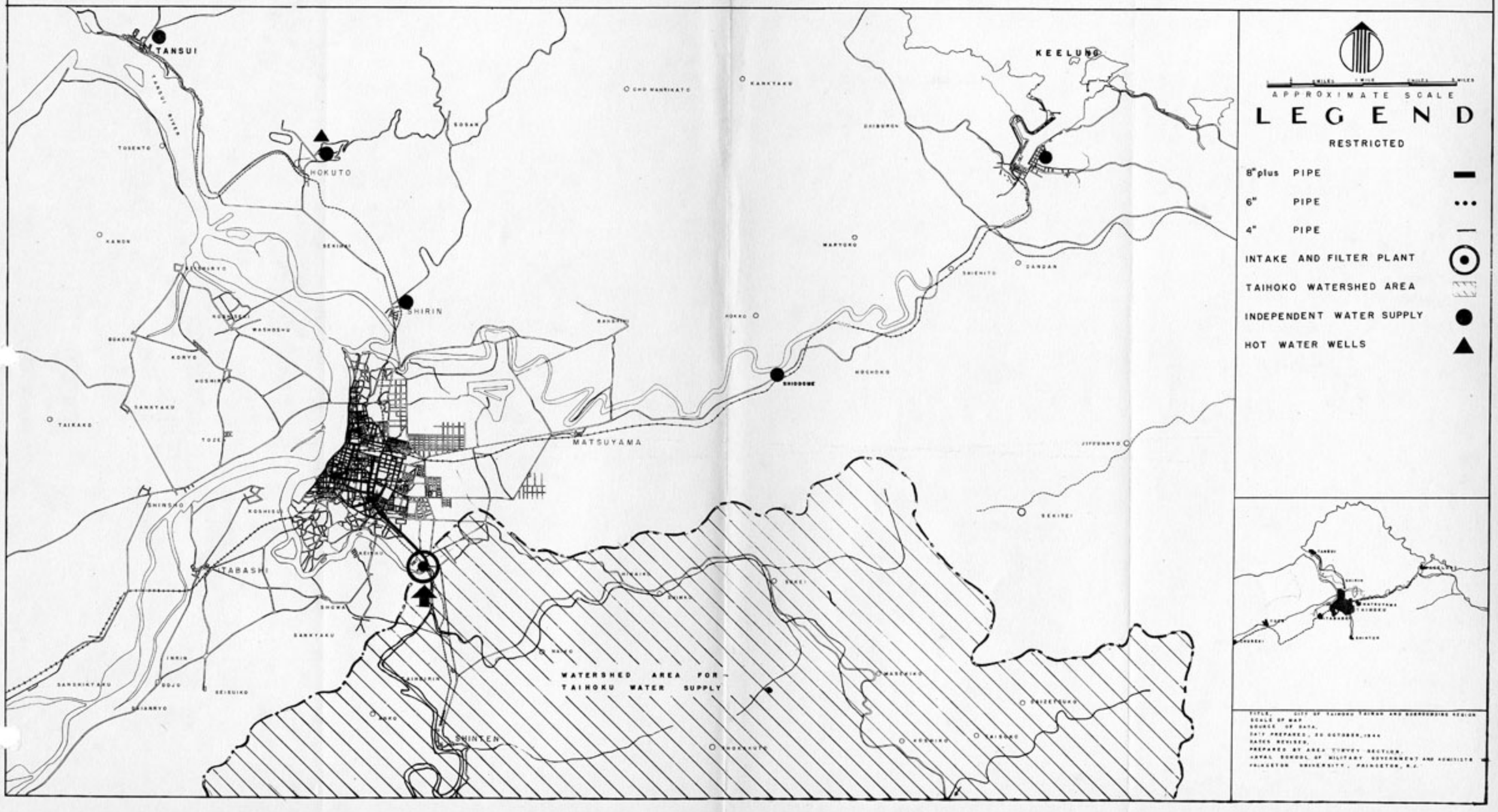
MAJOR PRODUCTION AREAS



TITLE: CITY OF TAIHOKU TAIWAN AND SURROUNDING REGION
SCALE OF MAP
SOURCE OF DATA.
DATE PREPARED: 20 OCTOBER 1944
DATES REVISED.
PREPARED BY AREA STUDY SECTION.
NAVAL SCHOOL OF MILITARY GOVERNMENT AND ADMINISTRATION
PRINCETON UNIVERSITY, PRINCETON, N.J.

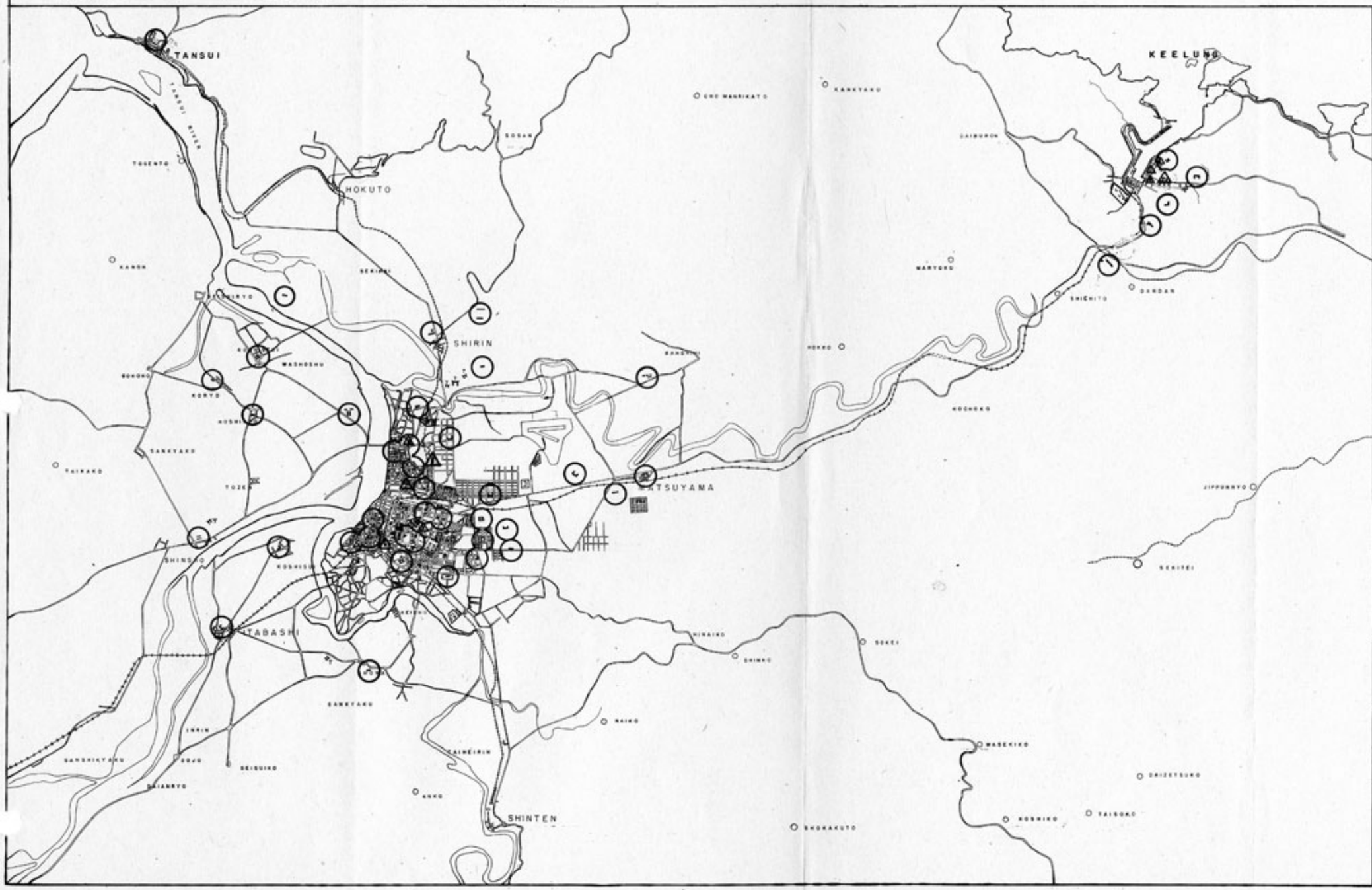
CITY OF TAIHOKU, TAIWAN AND SURROUNDING REGION - BASE MAP

WATER DISTRIBUTION SYSTEM



CITY OF TAIHOKU, TAIWAN AND SURROUNDING REGION - BASE MAP

MAJOR PUBLIC BUILDINGS

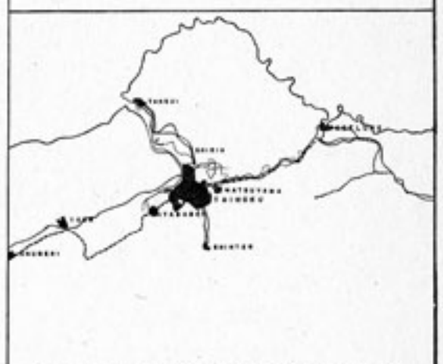


APPROXIMATE SCALE

LEGEND

RESTRICTED

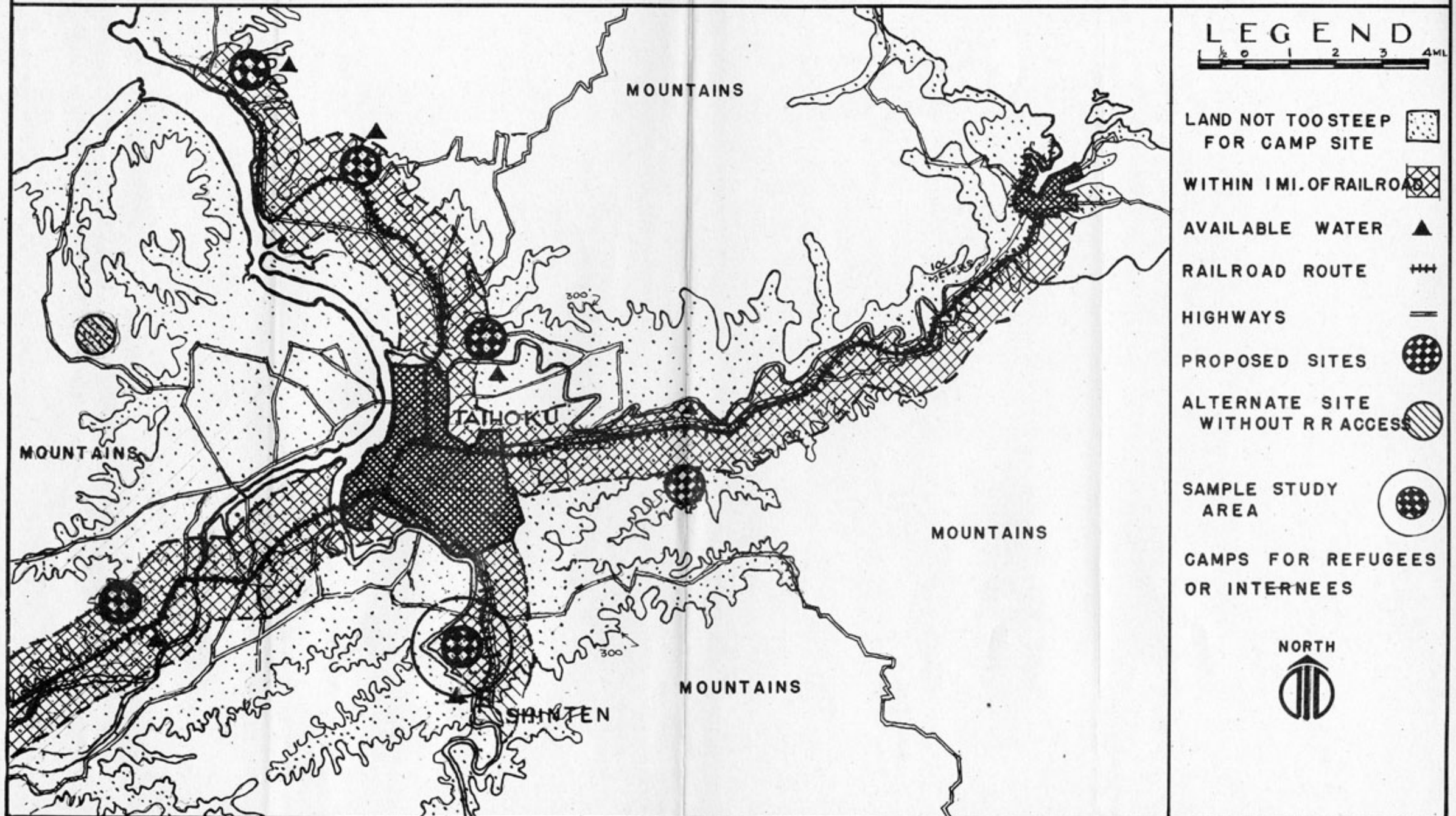
- TEMPLE OR SHRINE
- SCHOOL
- HOSPITAL
- BARRACKS
- ADMINISTRATIVE BUILDINGS



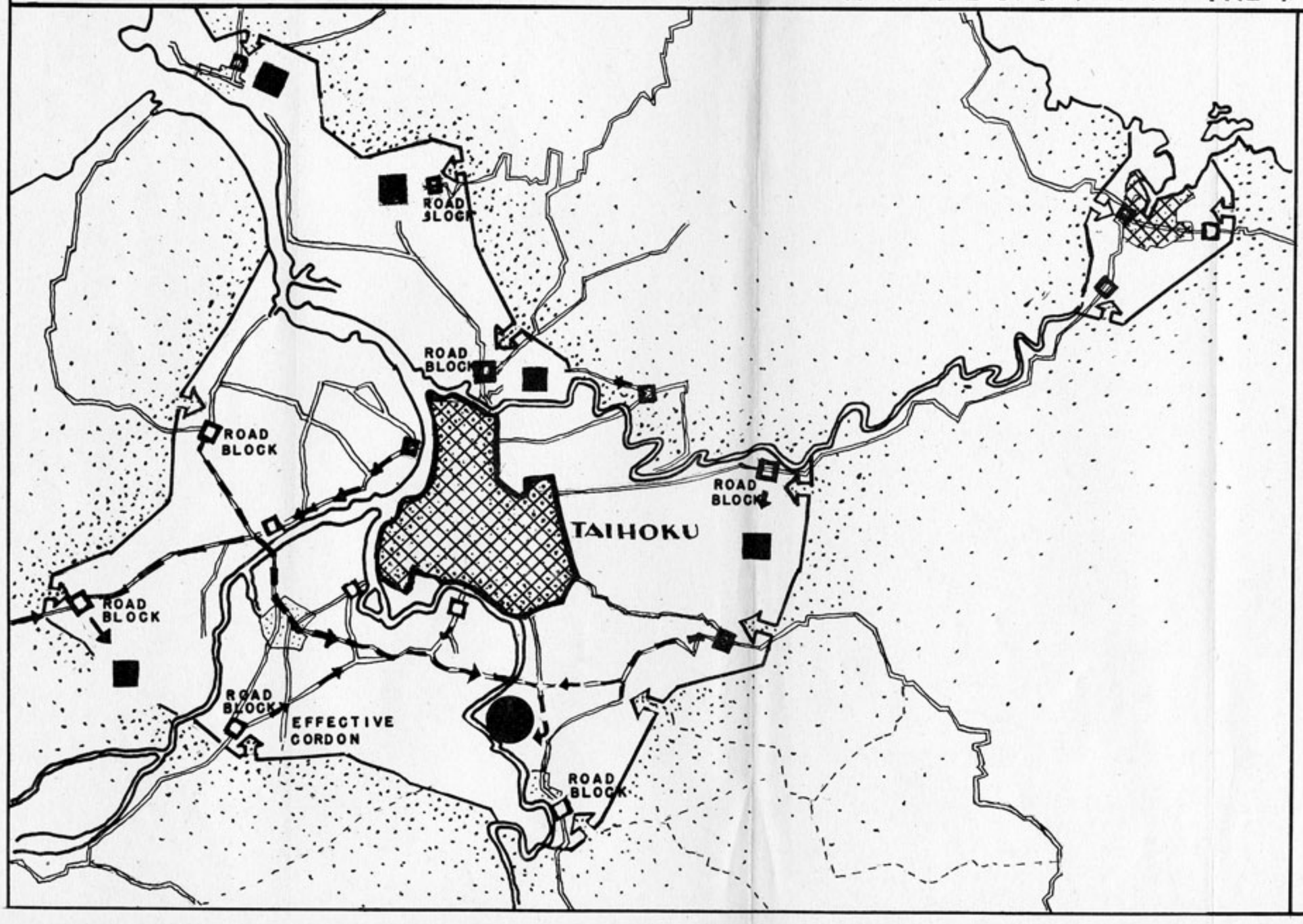
TITLE: CITY OF TAIHOKU TAIWAN AND SURROUNDING REGION
SCALE OF MAP
SOURCE OF DATA:
DATE PREPARED: 20 OCTOBER 1944
DATES REVISED:
PREPARED BY AREA SURVEY SECTION
NAVAL SCHOOL OF MILITARY GOVERNMENT AND ADMINISTRATION
PRINCETON UNIVERSITY, PRINCETON, N.J.

CENTRAL SECTION OF TAIHOKU CITY
MAJOR PUBLIC BUILDINGS AND PARKS

FACTORS GOVERNING SITE LOCATION OF REFUGEE CAMPS IN THE TAIHOKU REGION



LOCATION OF ROAD BLOCKS NEAR REFUGEE CAMPS IN THE TAIHOKU REGION



LEGEND

REFUGEE CAMP

ROAD BLOCK

EFFECTIVE CORDON CONTROLLING REFUGEES

MAIN HIGHWAYS

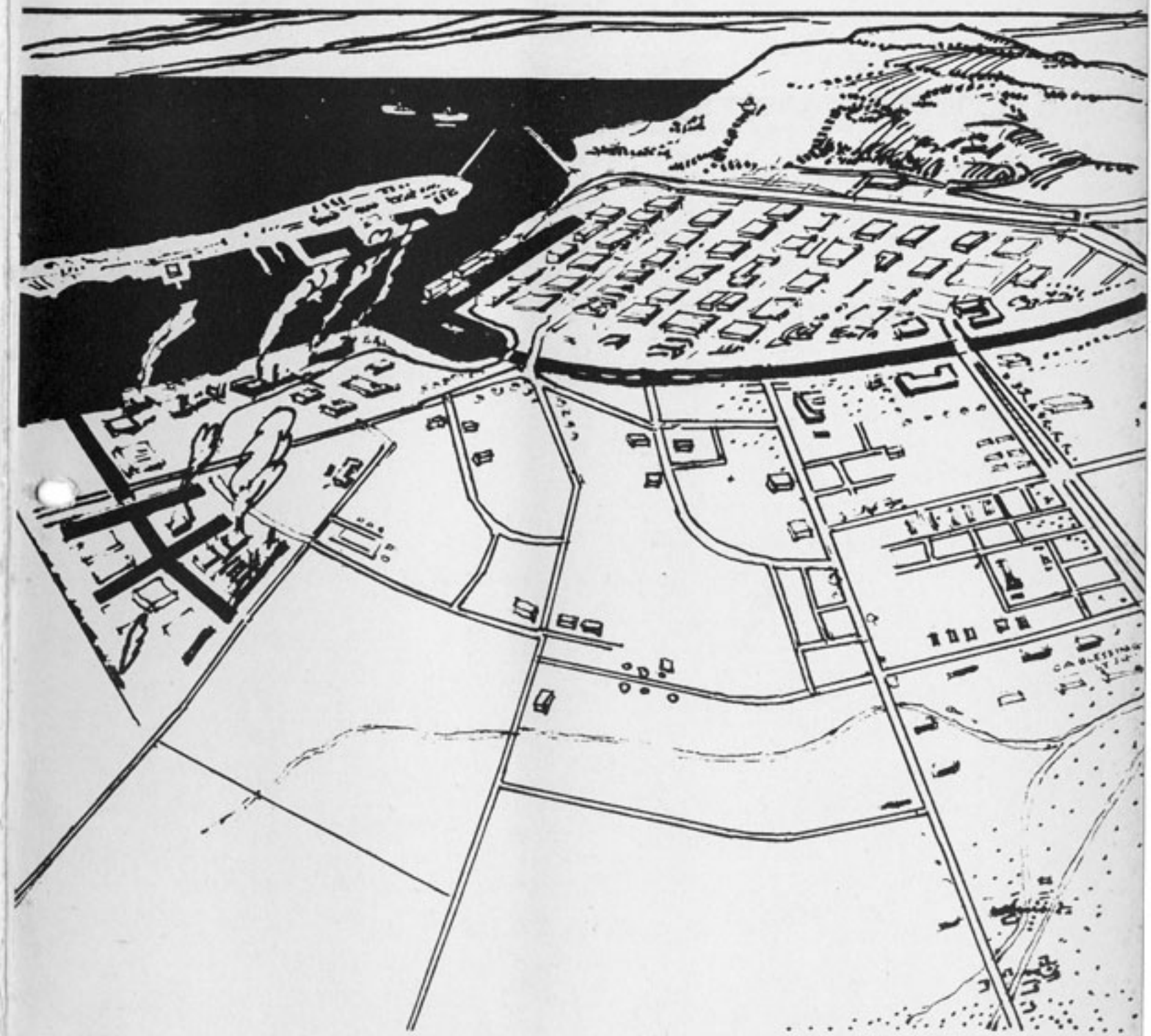
REFUGEE FLOW TO CAMPS

ACCUMULATION CENTER

CAMPS FOR REFUGEES OR INTERNEES

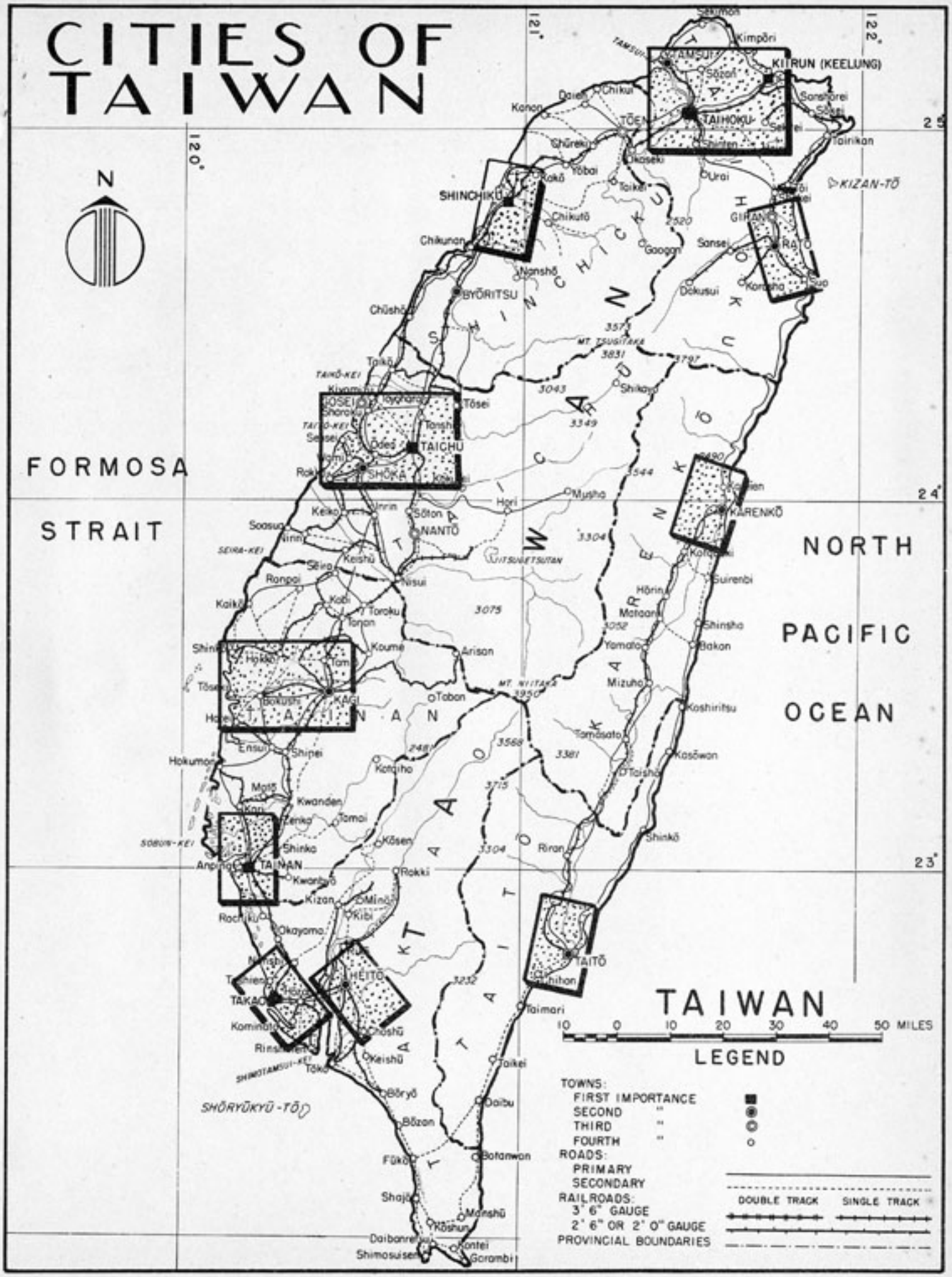
NORTH

TAKAO

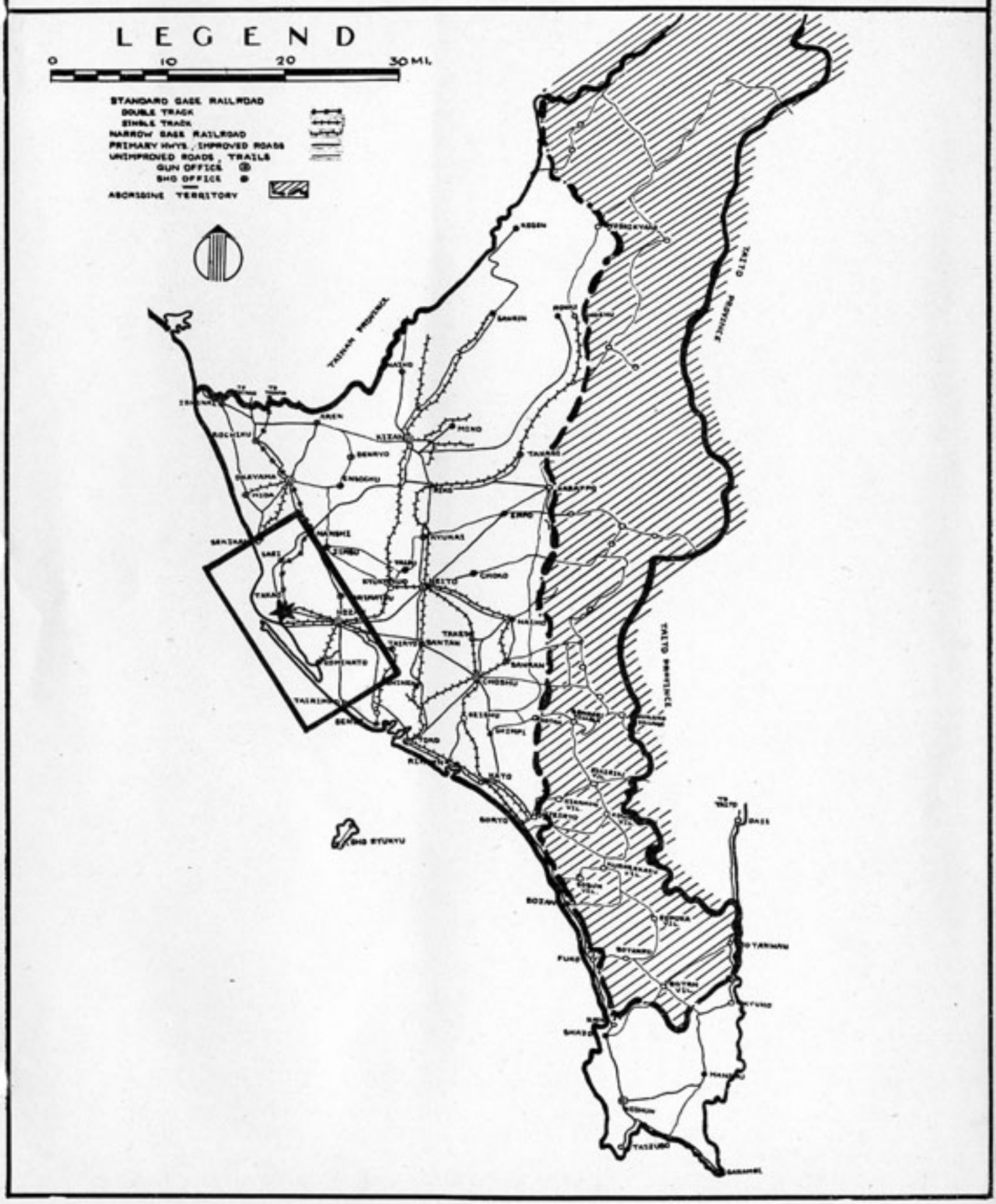


A GRAPHIC SURVEY
FOR CIVIL AFFAIRS OFFICERS

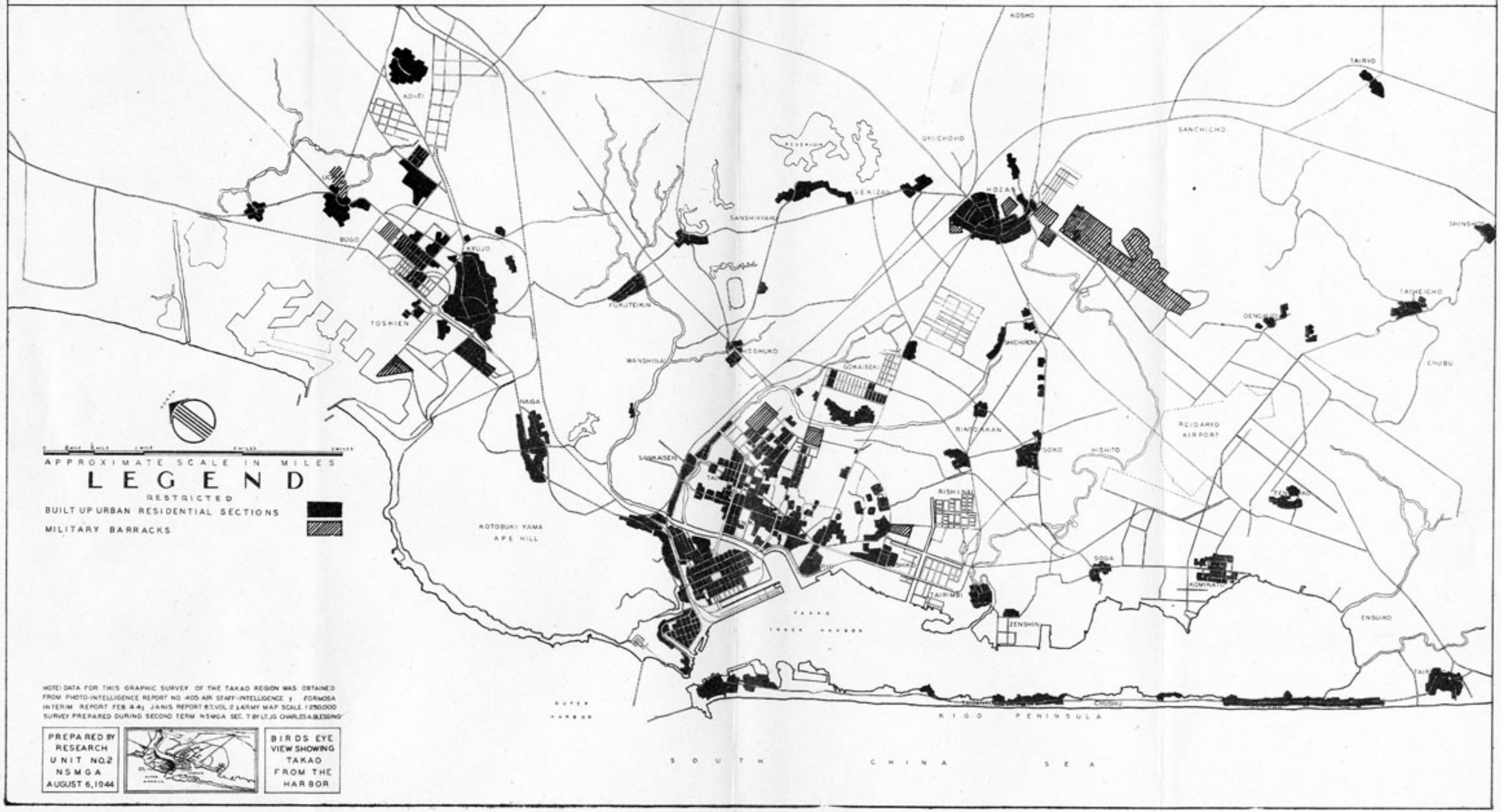
CITIES OF TAIWAN



CITY OF TAKAO AND SURROUNDING REGION IN RELATION TO TAKAO PROVINCE



CITY OF TAKAO, TAIWAN AND SURROUNDING REGION - BASE MAP
URBAN RESIDENTIAL AREAS & MILITARY BARRACKS

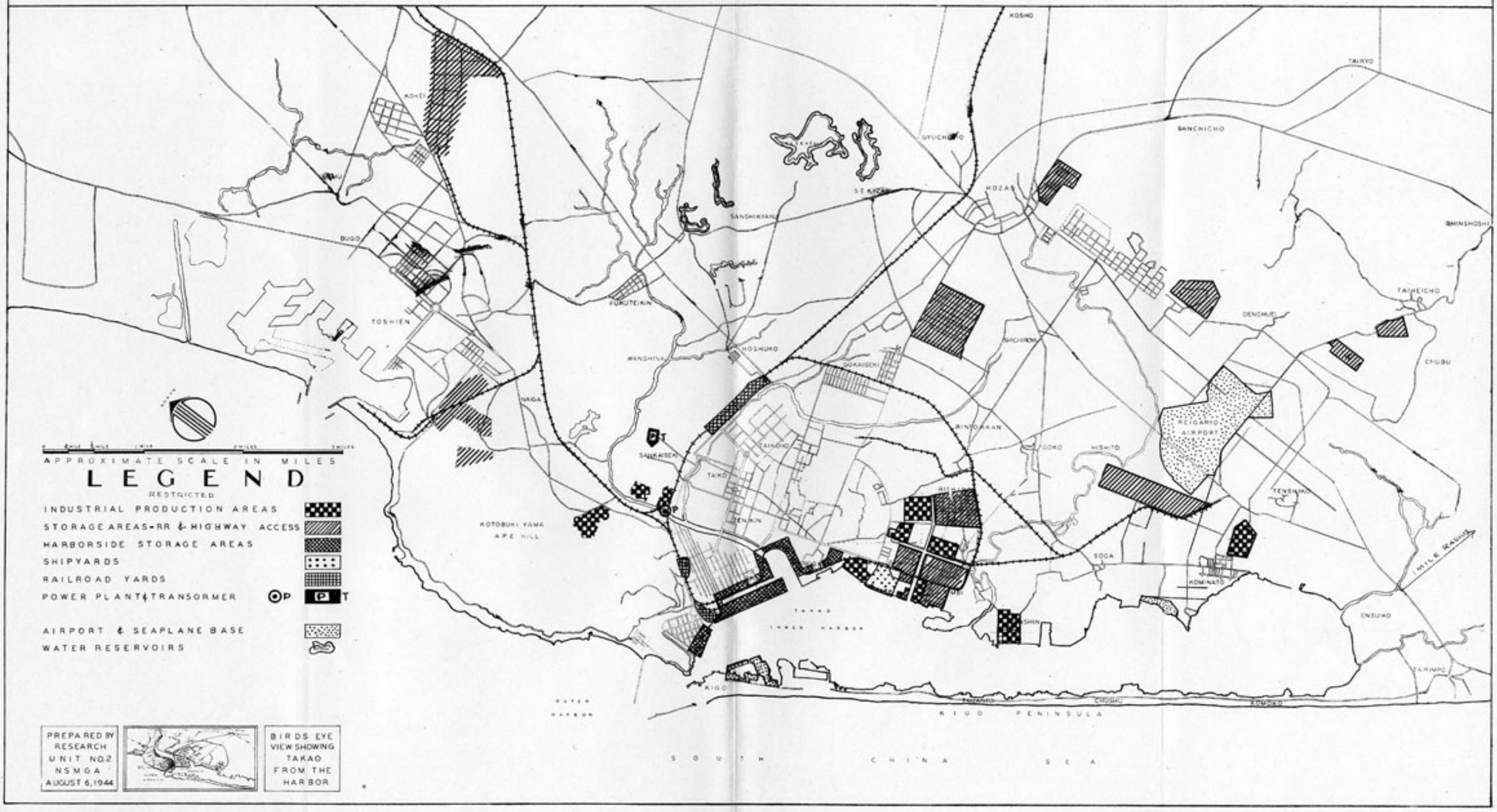


NOTE: DATA FOR THIS GRAPHIC SURVEY OF THE TAKAO REGION WAS OBTAINED FROM PHOTO-INTELLIGENCE REPORT NO. 405 AIR STAFF-INTELLIGENCE 1 FORMOSA INTERIM REPORT FEB. 44; JANIS REPORT 87, VOL. 2 & ARMY MAP SCALE 1:250,000 SURVEY PREPARED DURING SECOND TERM NSMGA SEC. 7 BY LT. JG CHARLES A. BLESSING

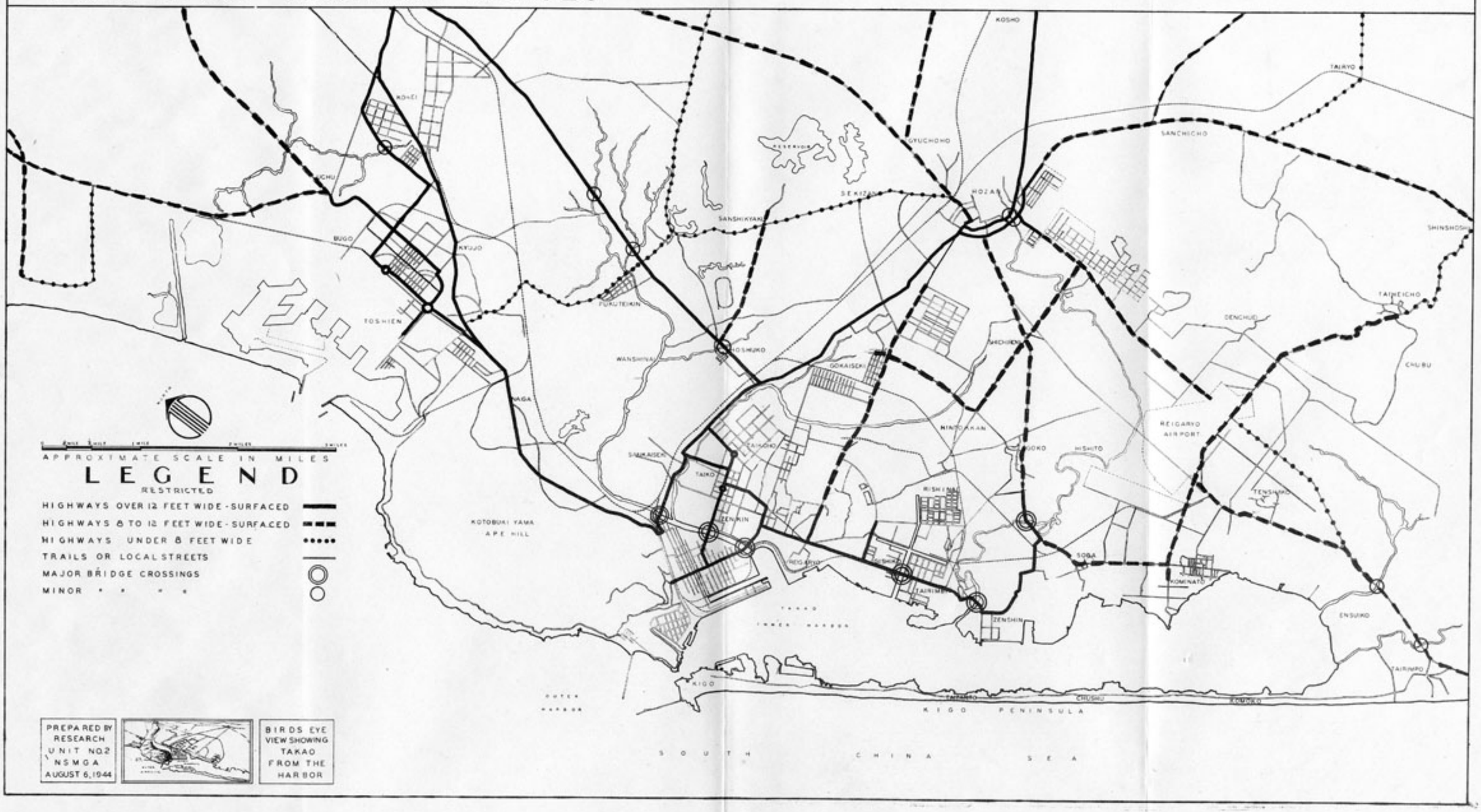
PREPARED BY RESEARCH UNIT NO. 2 NSMGA AUGUST 6, 1944

BIRDS EYE VIEW SHOWING TAKAO FROM THE HARBOR

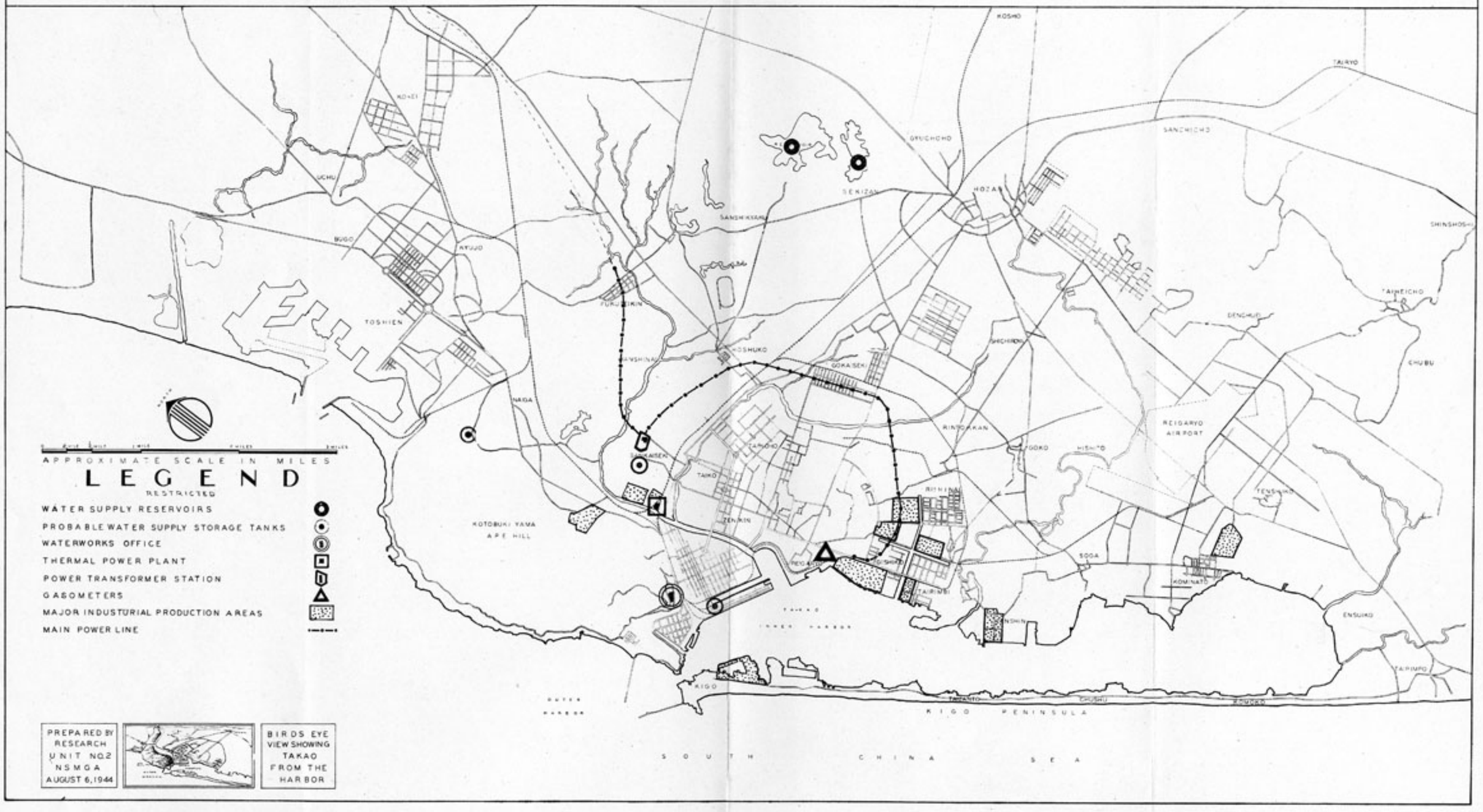
CITY OF TAKAO, TAIWAN AND SURROUNDING REGION - BASE MAP
INDUSTRIAL OBJECTIVES



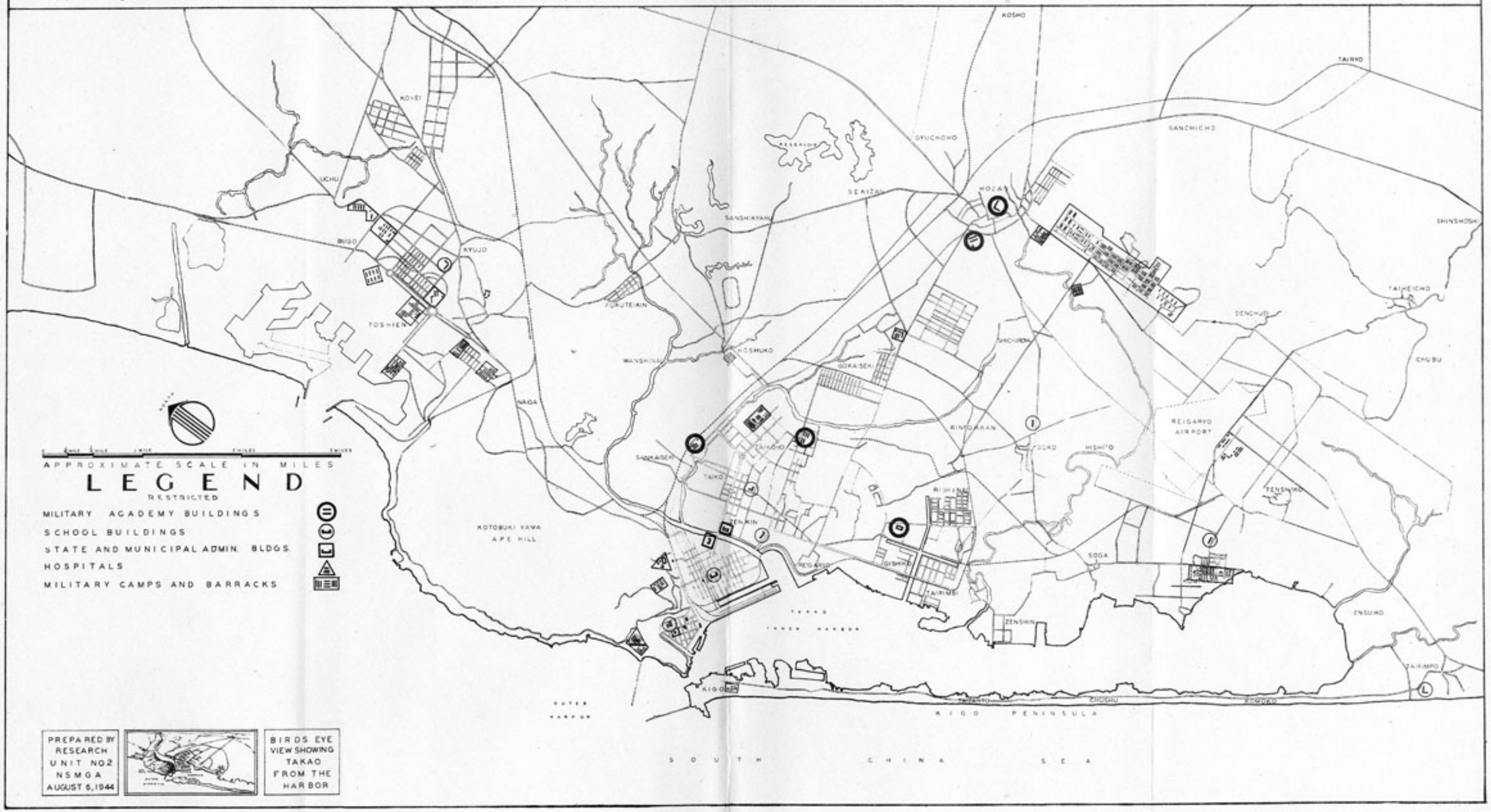
CITY OF TAKAO, TAIWAN AND SURROUNDING REGION - BASE MAP
PRINCIPAL HIGHWAY ROUTES



CITY OF TAKAO, TAIWAN AND SURROUNDING REGION - BASE MAP
PUBLIC UTILITIES



CITY OF TAKAO, TAIWAN AND SURROUNDING REGION - BASE MAP
MAJOR PUBLIC BUILDINGS



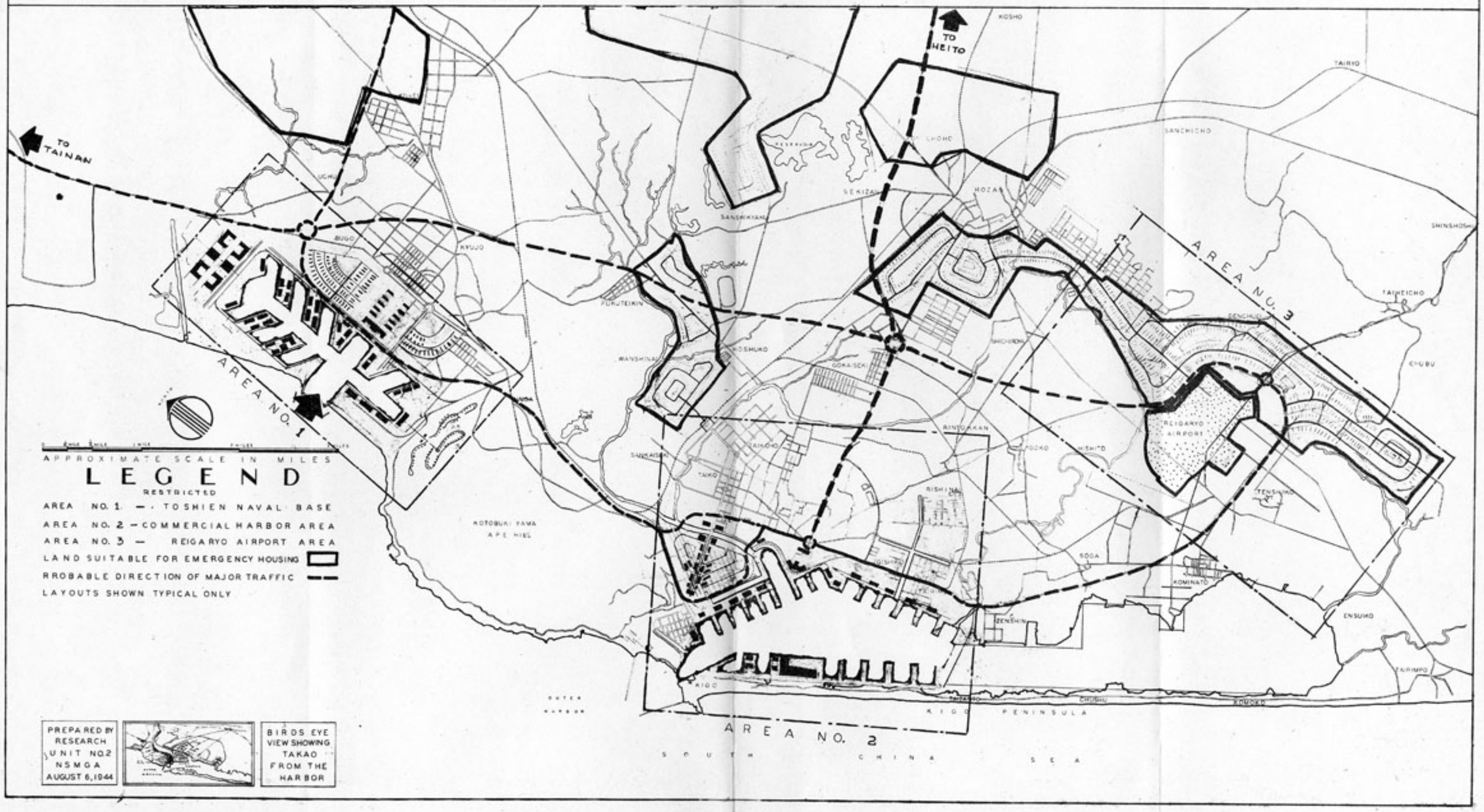
PREPARED BY RESEARCH UNIT NO2 NSMGA AUGUST 6, 1944

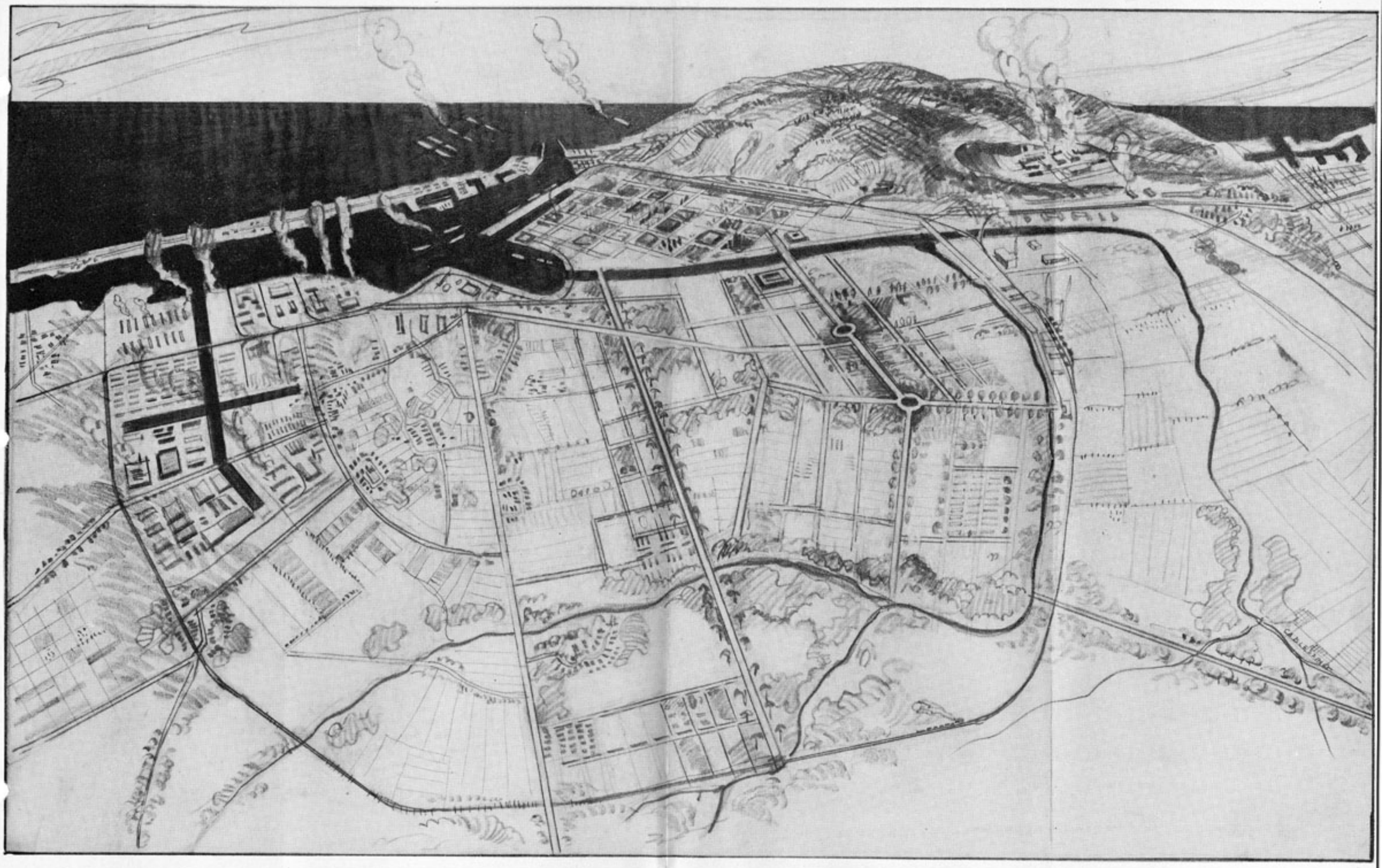
BIRDS EYE VIEW SHOWING TAKAO FROM THE HARBOR

CITY OF TAKAO, TAIWAN AND SURROUNDING REGION - BASE MAP

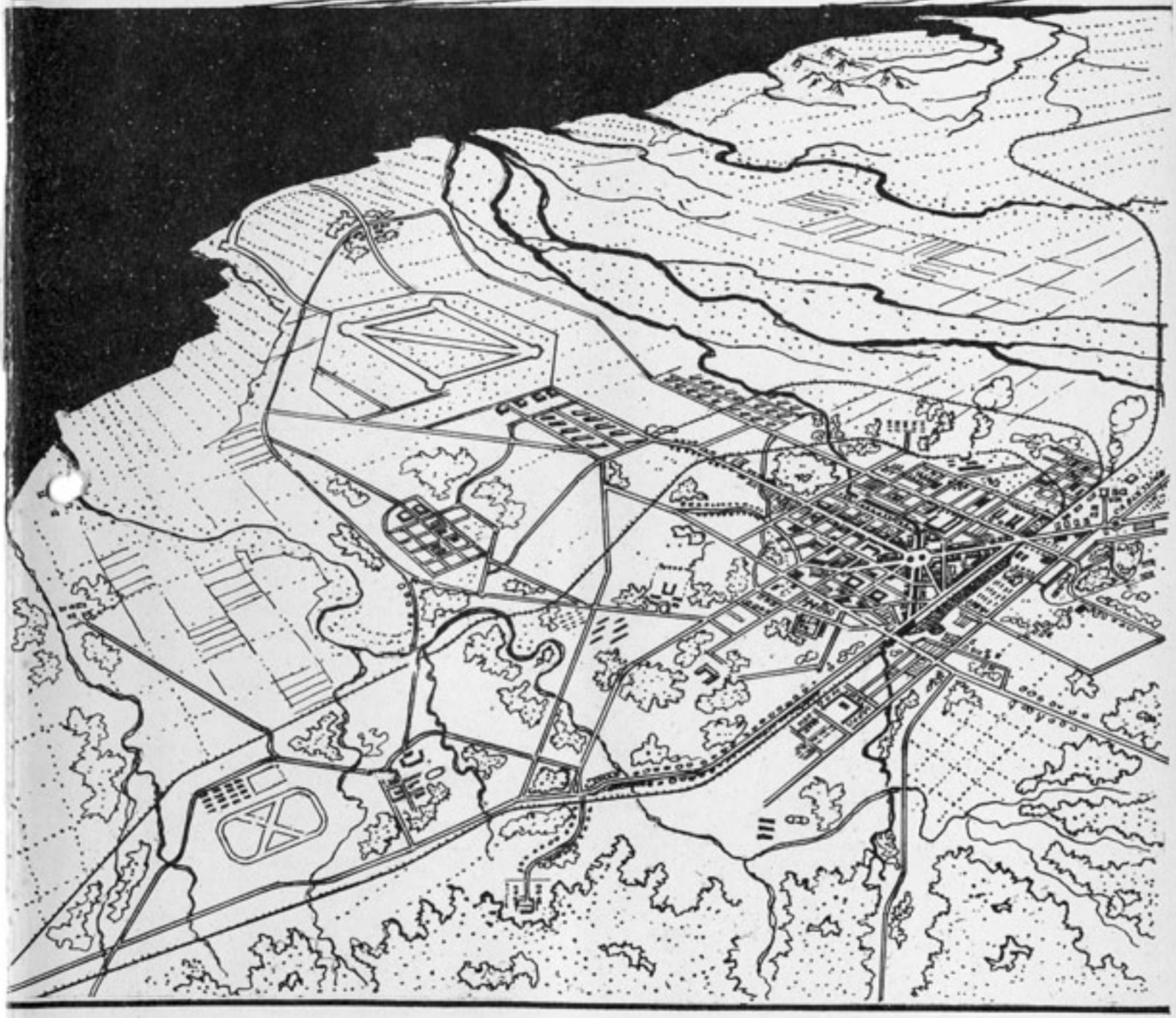
TOPOGRAPHY AND DRAINAGE

CITY OF TAKAO, TAIWAN AND SURROUNDING REGION - BASE MAP
SPECIAL PLANNING AREAS



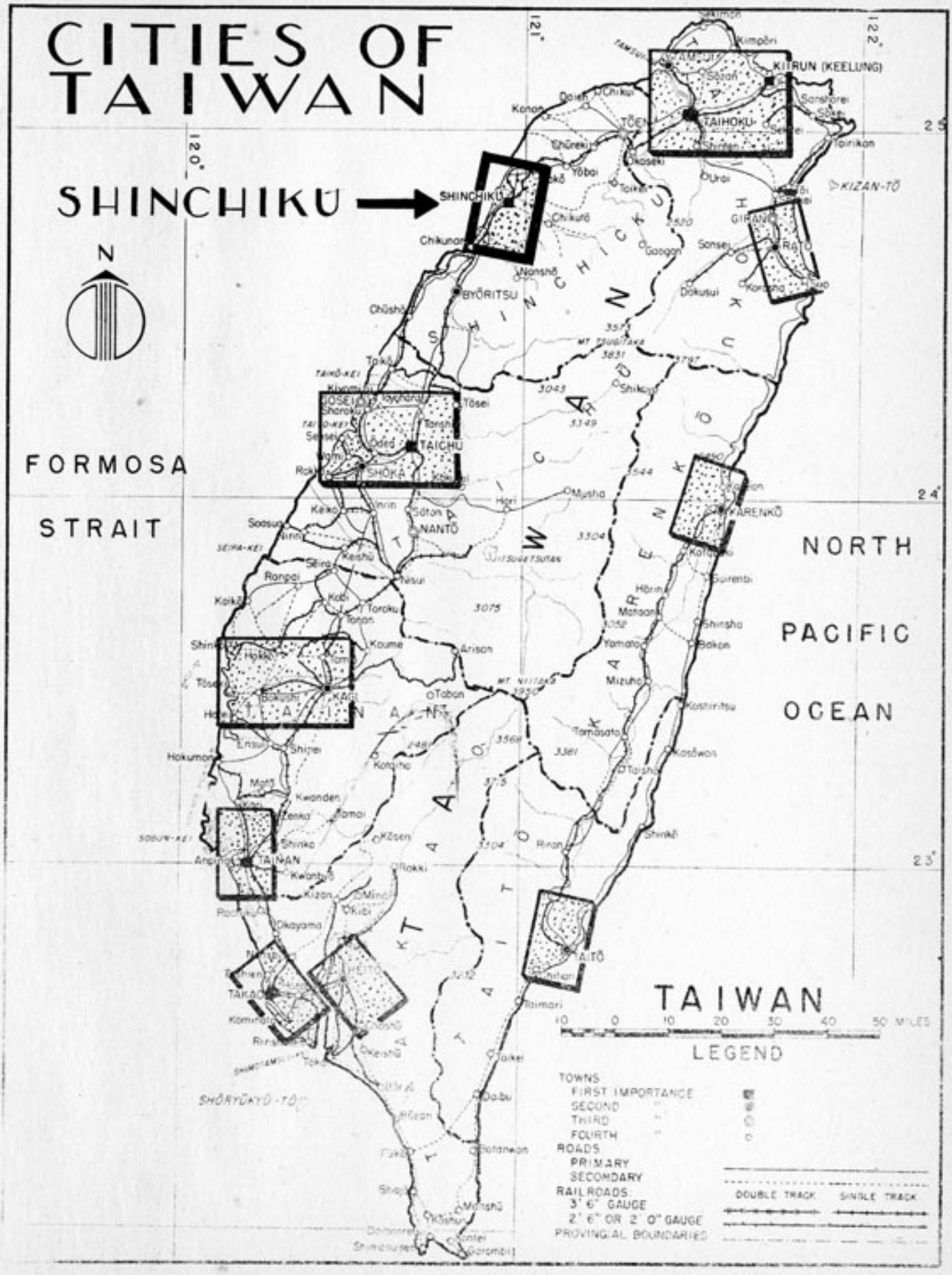


SHINCHIKU

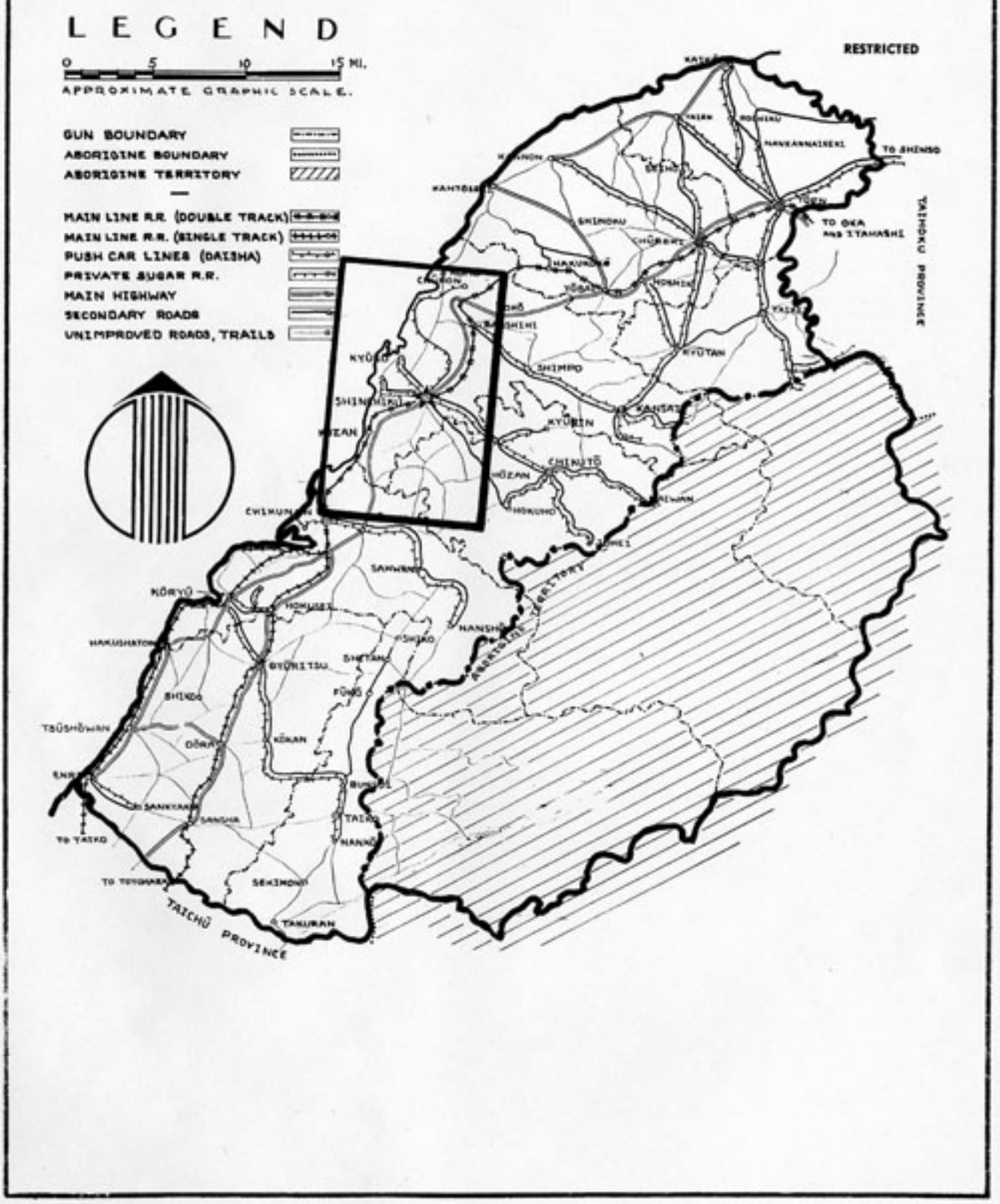


A GRAPHIC SURVEY

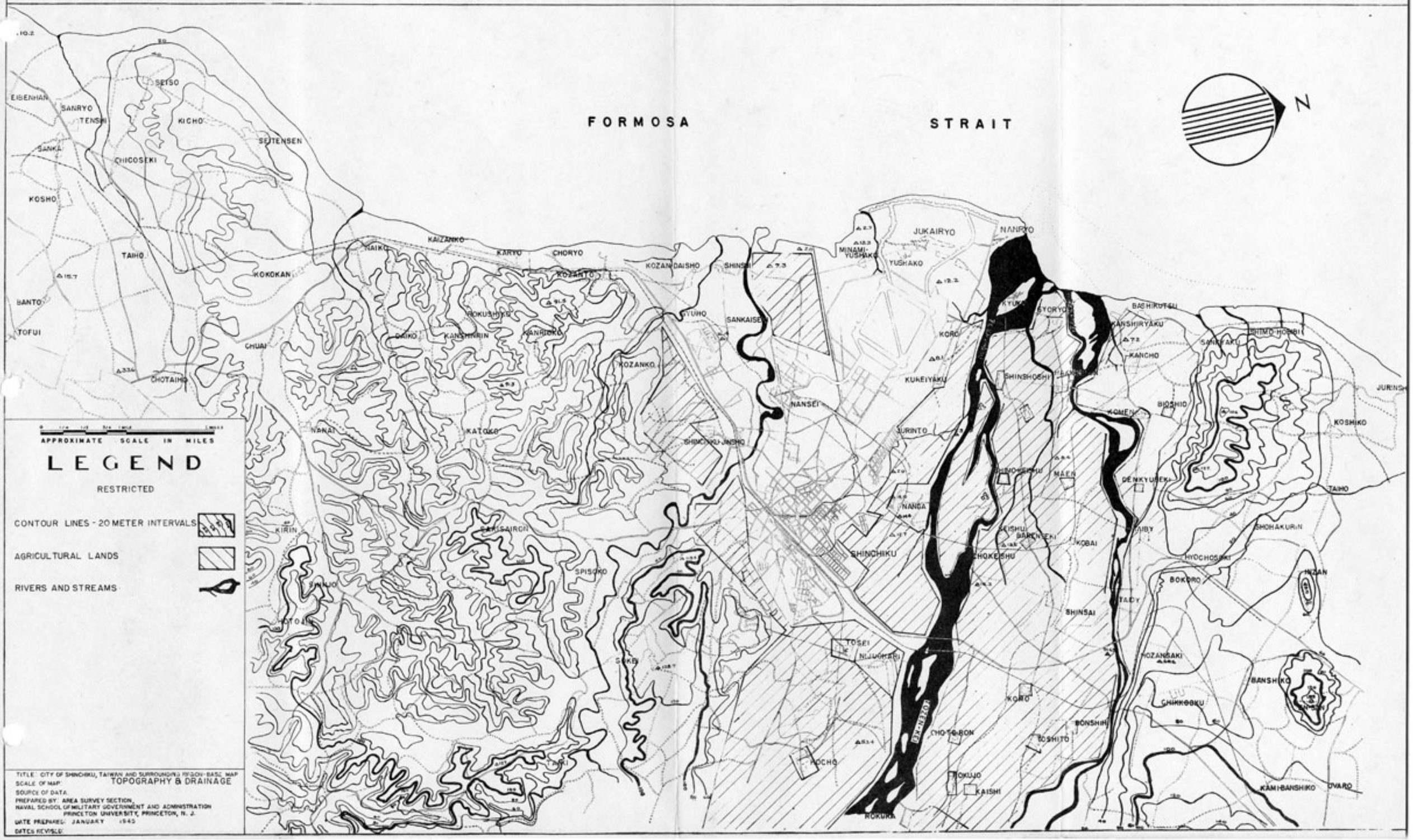
FOR CIVIL AFFAIRS OFFICERS


CITIES OF TAIWAN
SHINCHIKU
FORMOSA STRAIT
NORTH PACIFIC OCEAN
TAIWAN
KITRUN (KEELUNG)
TAIHOKU
SHINCHIKU
BYŌRITSU
TAICHU
SHŌKA
NANTŌ
KARENKŌ
KAGI
TAINAN
TAKAO
HEITŌ
AITŌ
KIZAN-TŌ
SHŌRYŪKYŪ-TŌ
N
LEGEND
TOWNS
FIRST IMPORTANCE
SECOND "
THIRD "
FOURTH "
ROADS
PRIMARY
SECONDARY
RAILROADS:
3' 6" GAUGE
2' 6" OR 2' 0" GAUGE
PROVINCIAL BOUNDARIES
DOUBLE TRACK
SINGLE TRACK
10 0 10 20 30 40 50 MILES

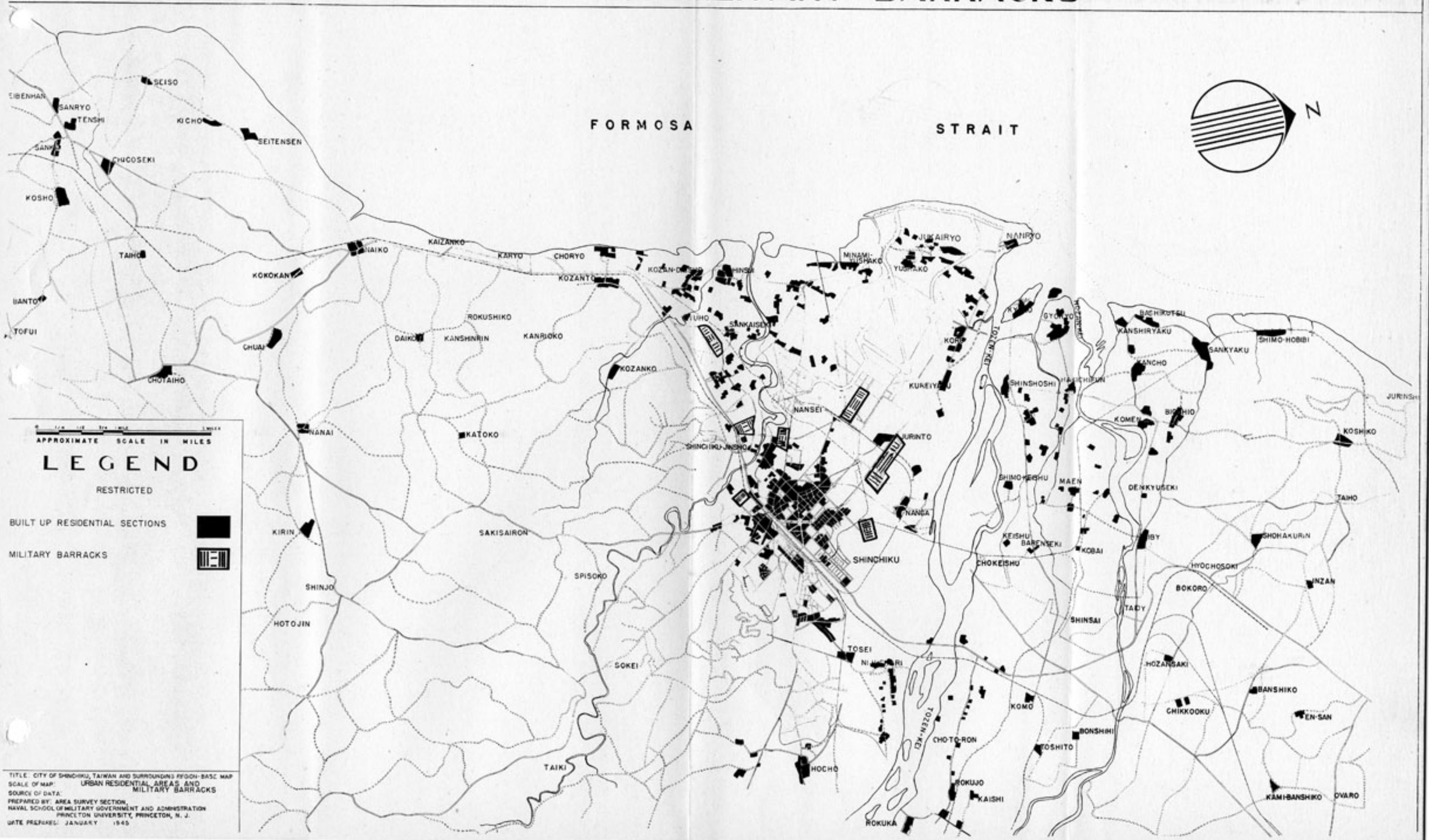
CITY OF SHINCHIKU AND SURROUNDING REGION IN RELATION TO SHINCHIKU PROVINCE



CITY OF SHINCHIKU, TAIWAN AND SURROUNDING REGION - BASE MAP
TOPOGRAPHY AND DRAINAGE

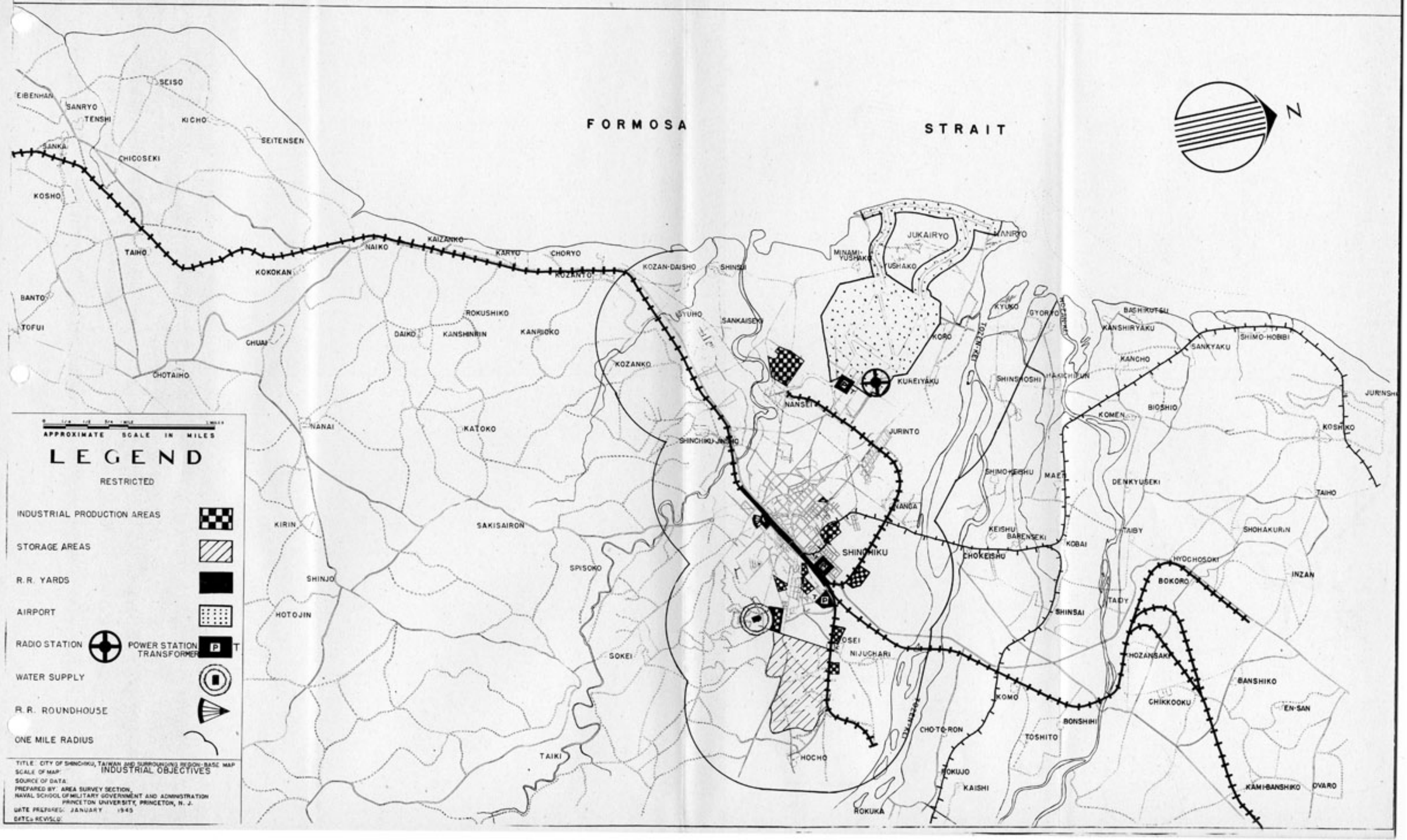


CITY OF SHINCHIKU, TAIWAN AND SURROUNDING REGION - BASE MAP
URBAN RESIDENTIAL AREAS & MILITARY BARRACKS

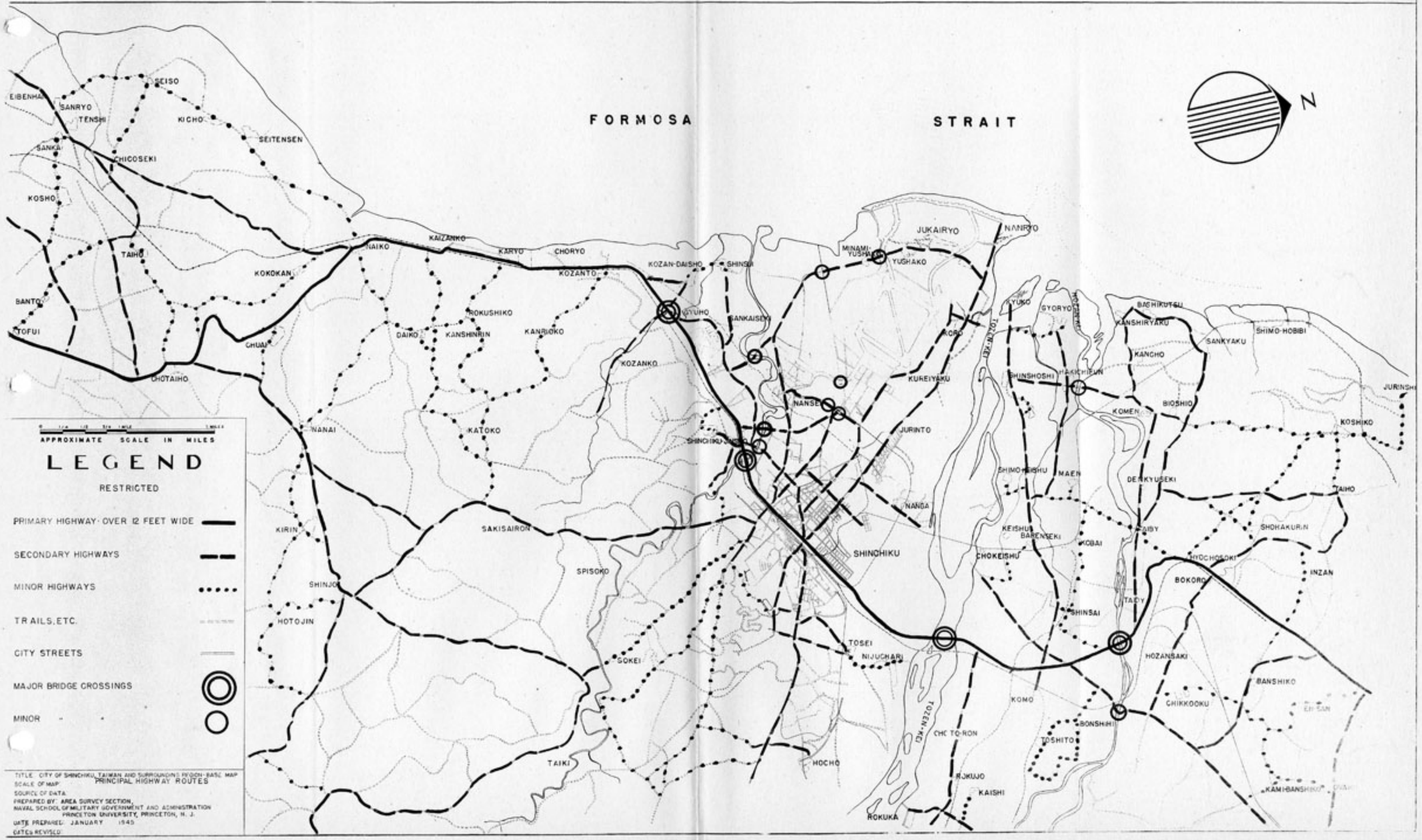


TITLE: CITY OF SHINCHIKU, TAIWAN AND SURROUNDING REGION-BASE MAP
SCALE OF MAP: URBAN RESIDENTIAL AREAS AND MILITARY BARRACKS
SOURCE OF DATA:
PREPARED BY: AREA SURVEY SECTION, NAVAL SCHOOL OF MILITARY GOVERNMENT AND ADMINISTRATION PRINCETON UNIVERSITY, PRINCETON, N. J.
DATE PREPARED: JANUARY 1945

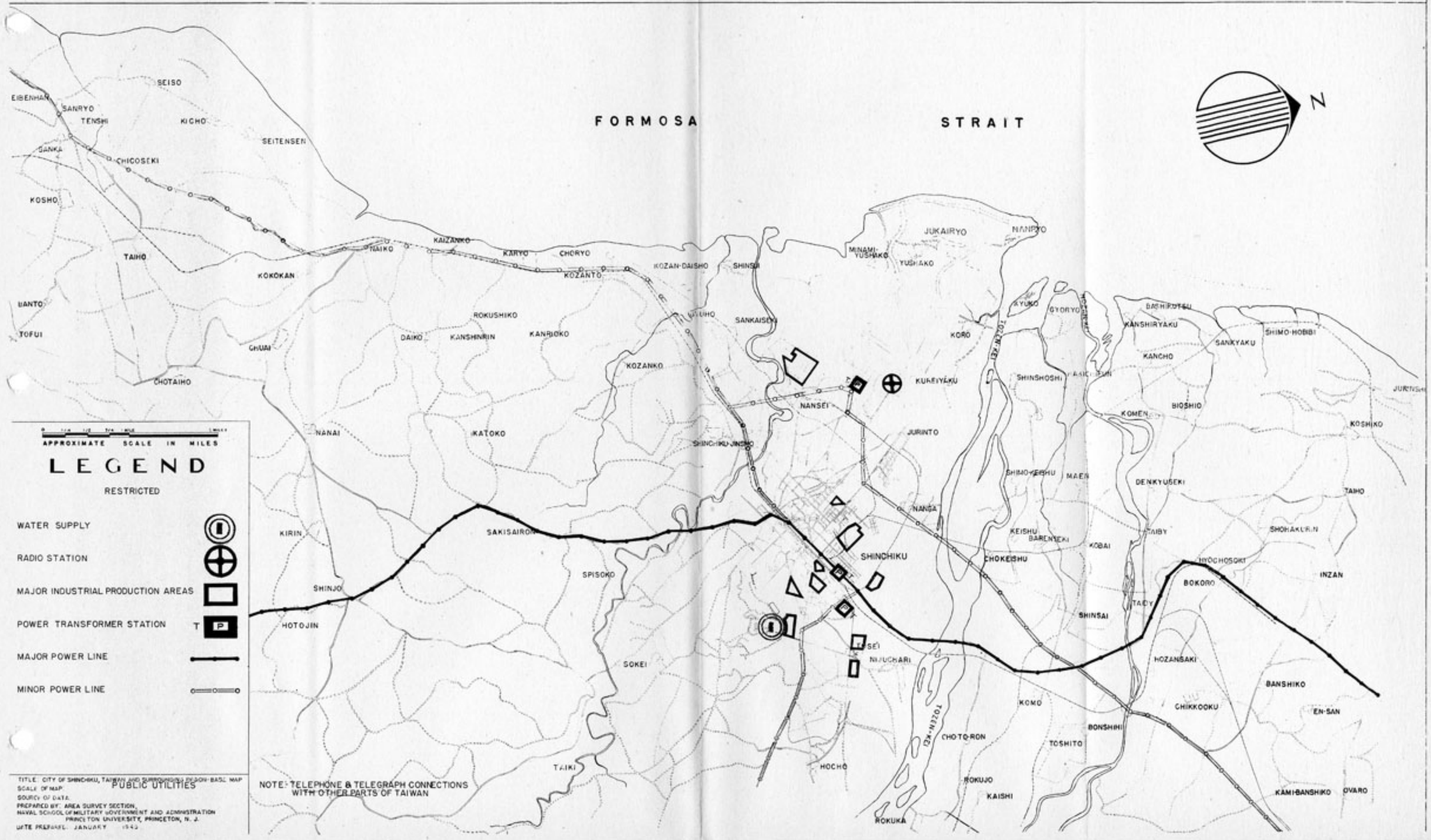
CITY OF SHINCHIKU, TAIWAN AND SURROUNDING REGION - BASE MAP
INDUSTRIAL OBJECTIVES



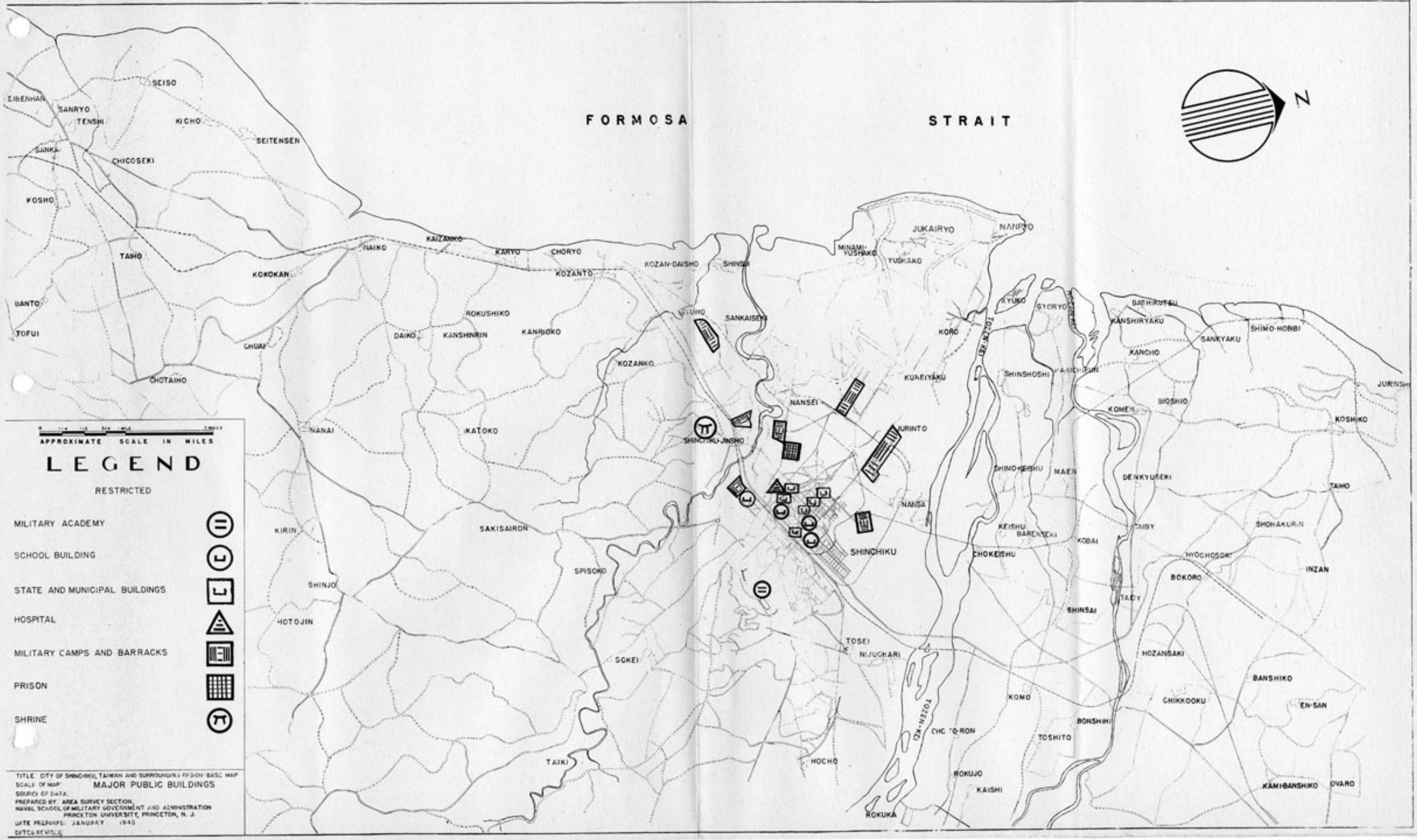
CITY OF SHINCHIKU, TAIWAN AND SURROUNDING REGION - BASE MAP
PRINCIPAL HIGHWAY ROUTES



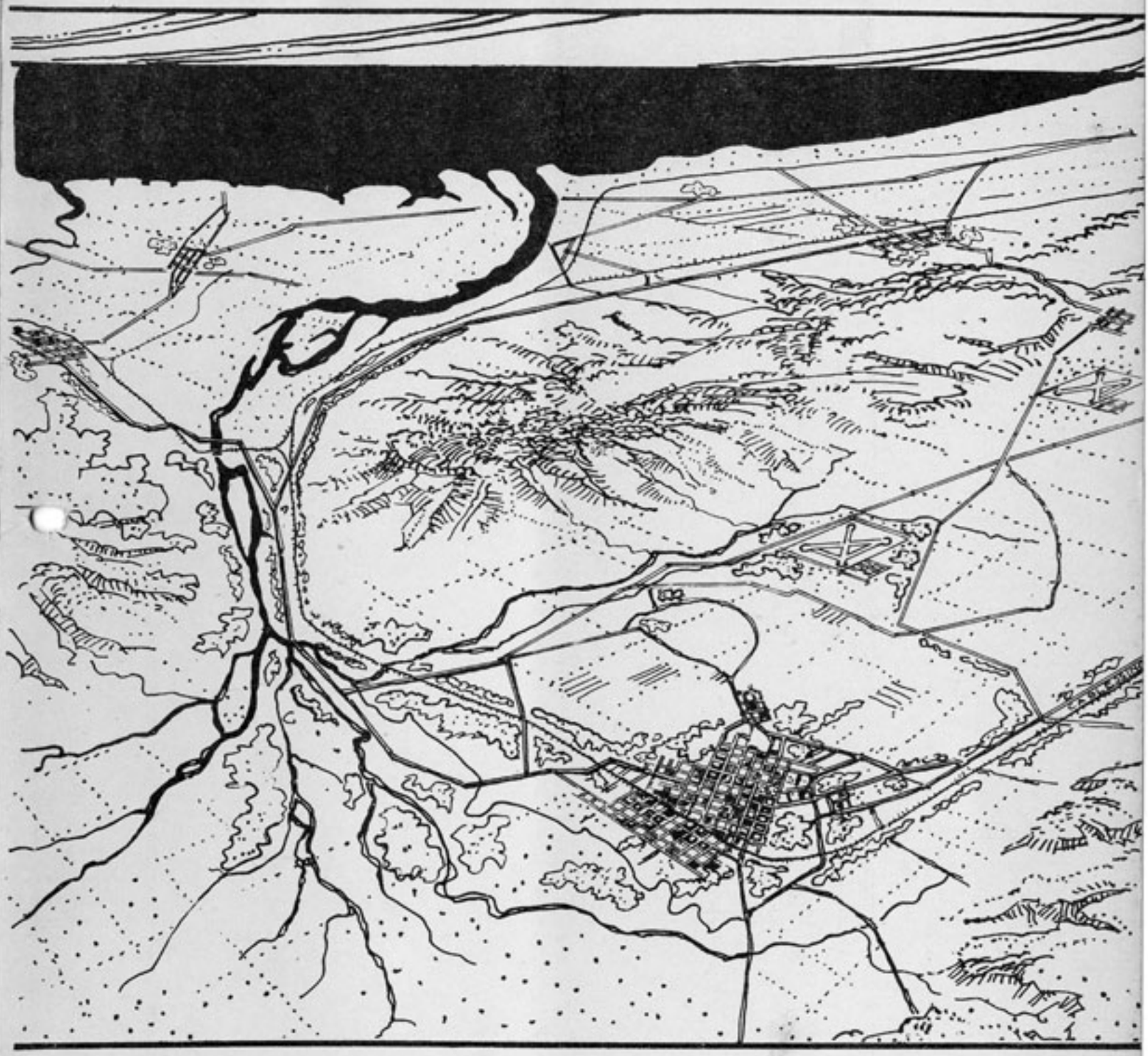
CITY OF SHINCHIKU, TAIWAN AND SURROUNDING REGION - BASE MAP
PUBLIC UTILITIES



CITY OF SHINCHIKU, TAIWAN AND SURROUNDING REGION - BASE MAP
MAJOR PUBLIC BUILDINGS



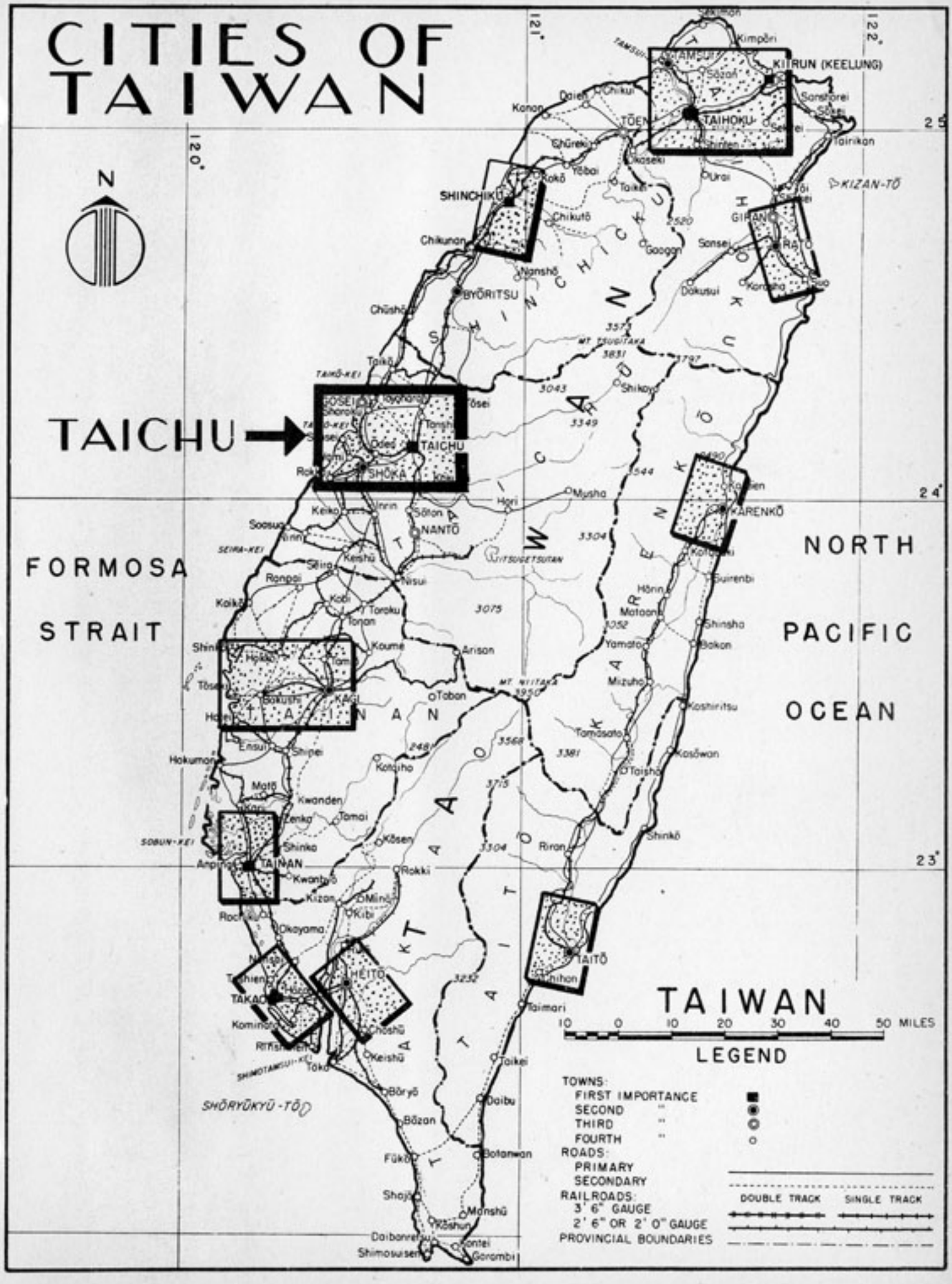
TAICHU



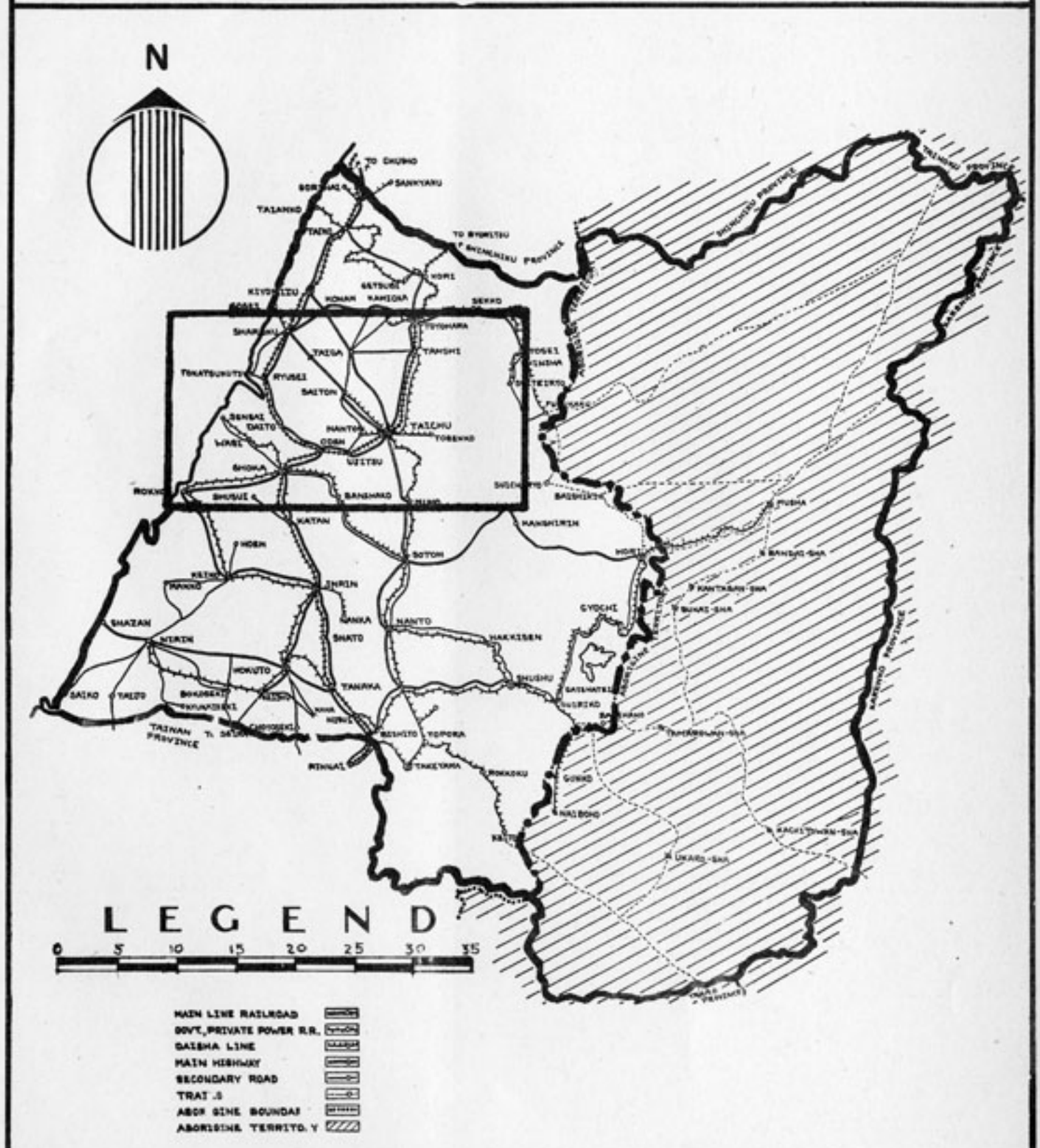
A GRAPHIC SURVEY

FOR CIVIL AFFAIRS OFFICERS

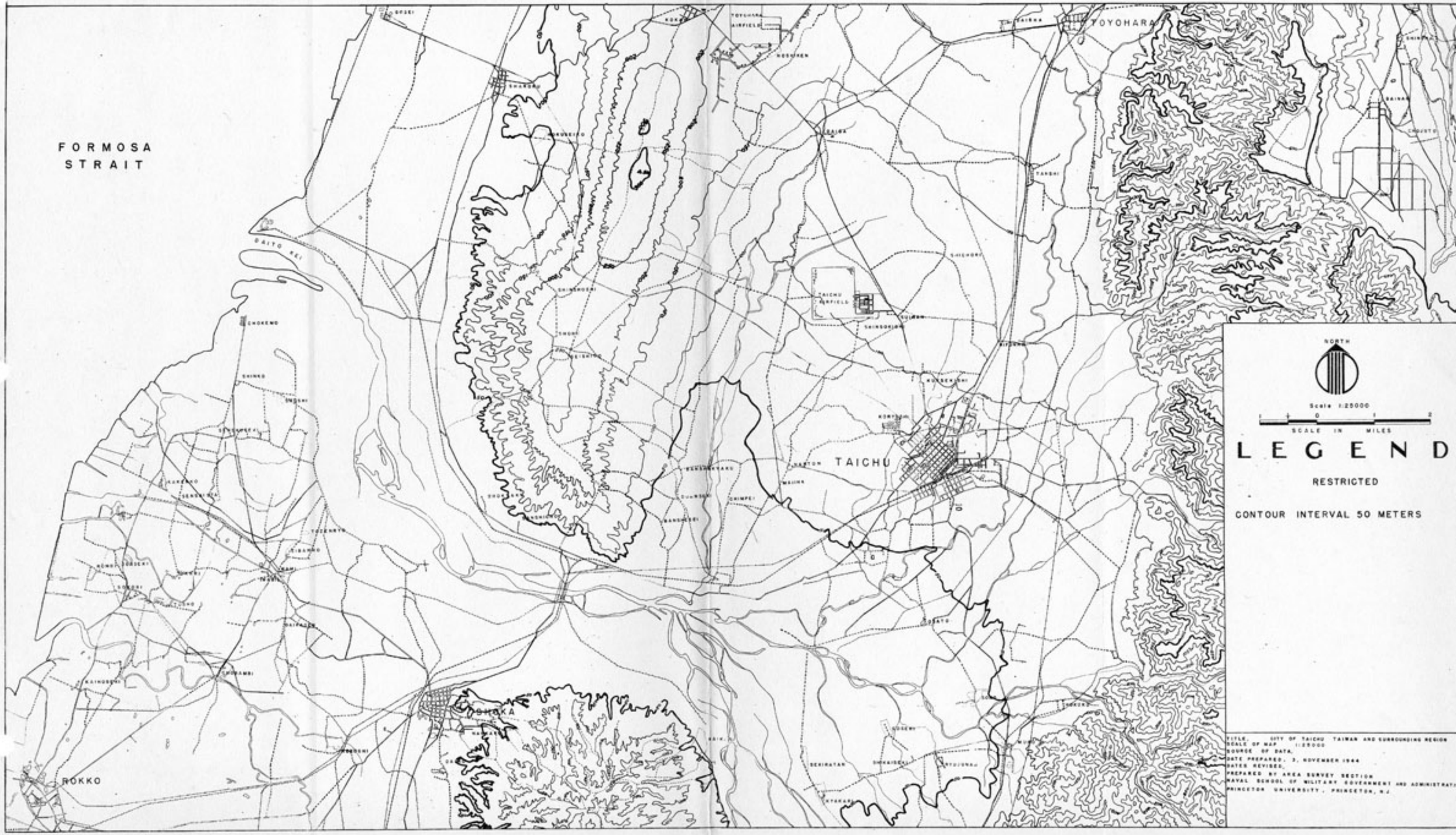
CITIES OF TAIWAN



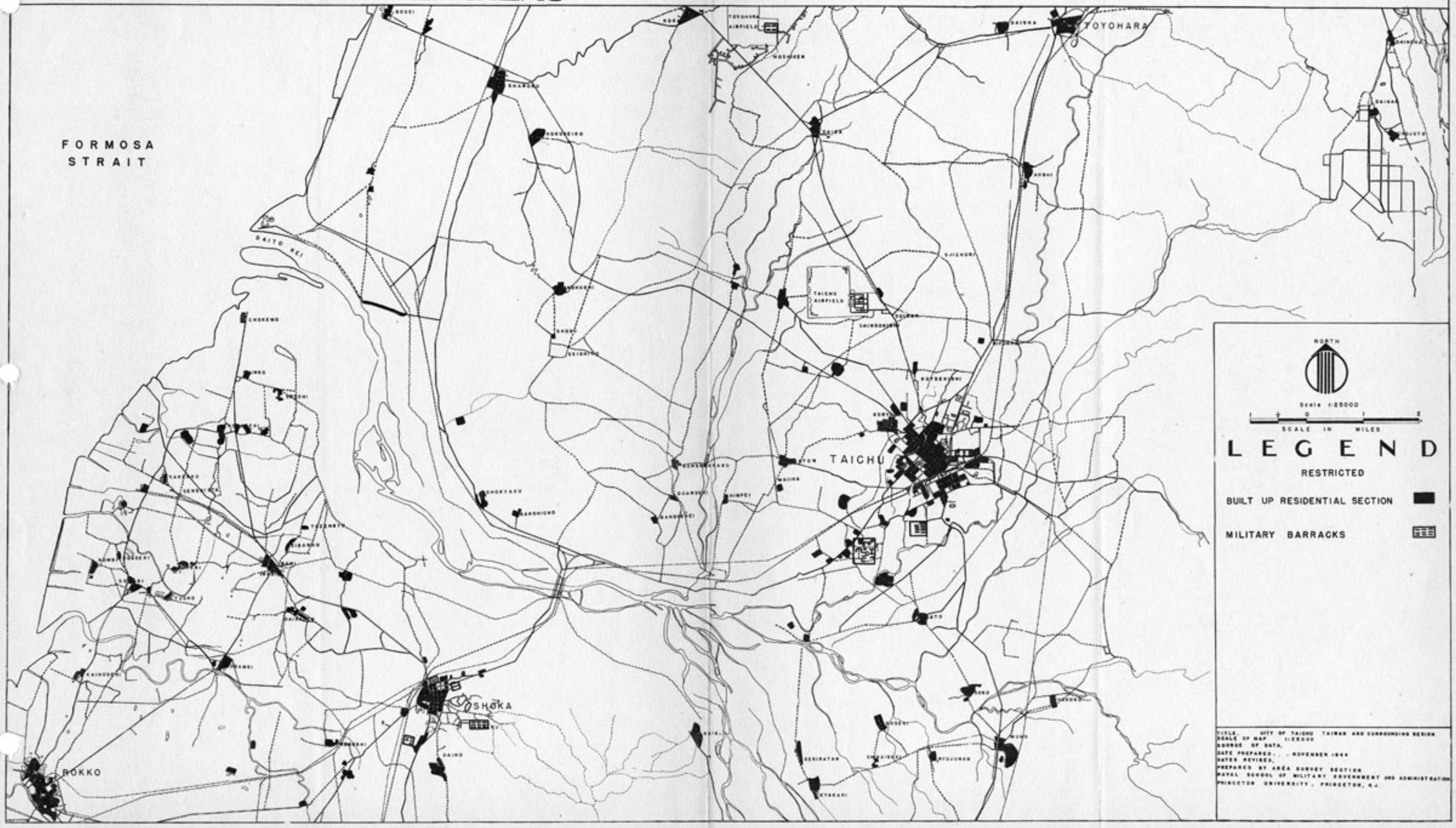
CITY OF TAICHU AND SURROUNDING REGION IN RELATION TO TAICHU PROVINCE



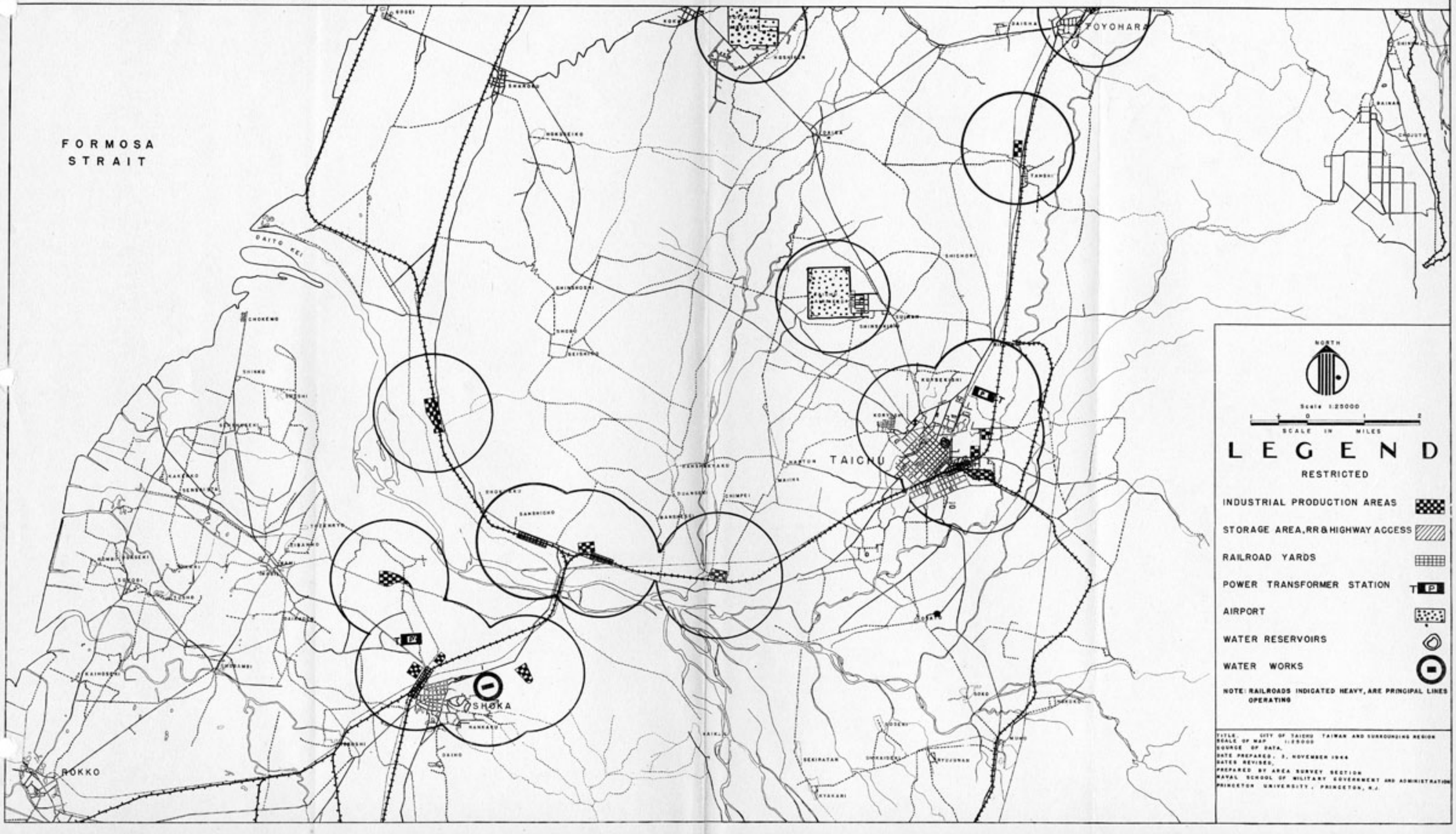
CITY OF TAICHU, TAIWAN AND SURROUNDING REGION - BASE MAP
TOPOGRAPHY AND DRAINAGE



CITY OF TAICHU, TAIWAN AND SURROUNDING REGION - BASE MAP
URBAN RESIDENTIAL AREAS



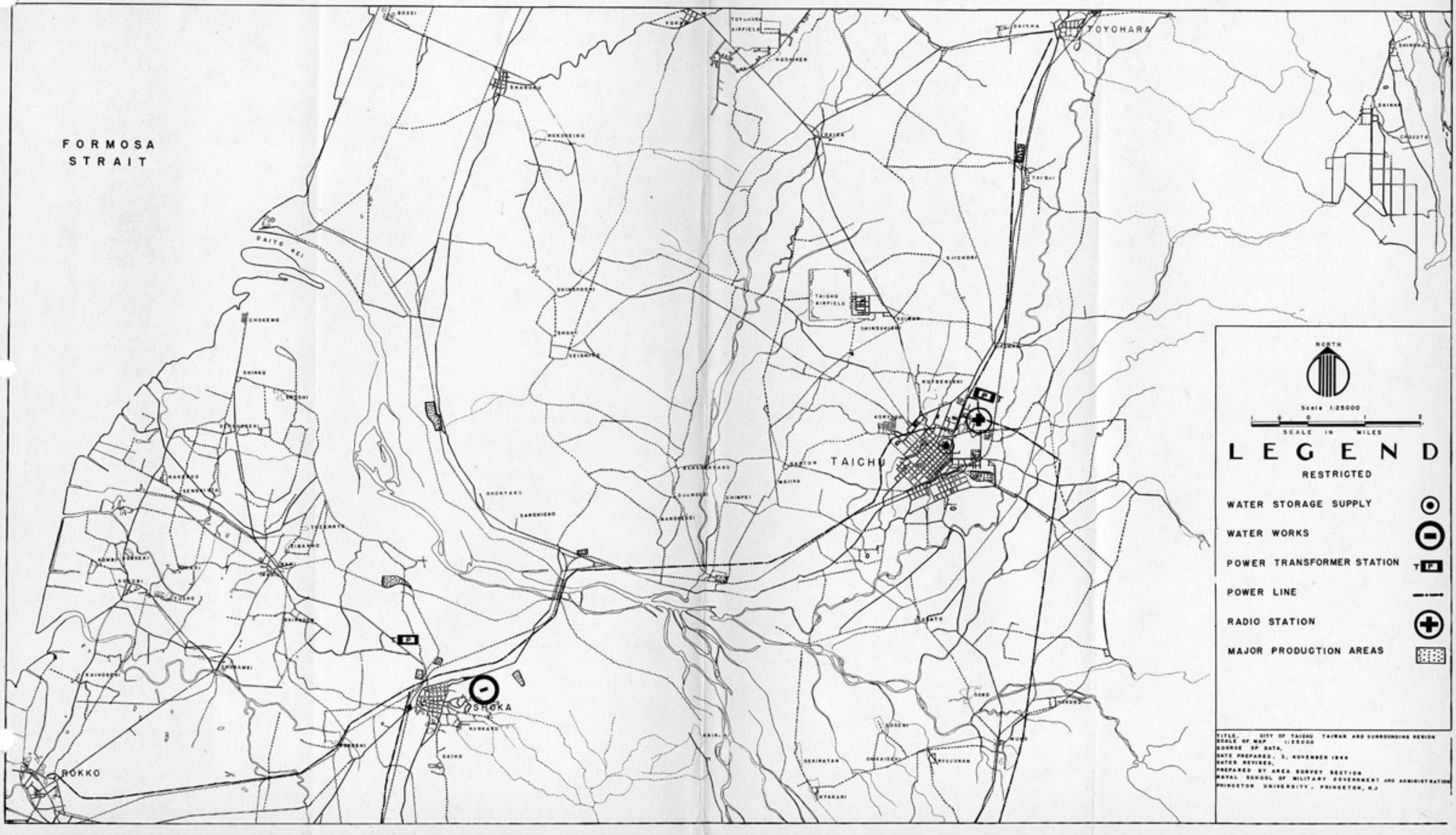
CITY OF TAICHU, TAIWAN AND SURROUNDING REGION - BASE MAP
INDUSTRIAL AREAS



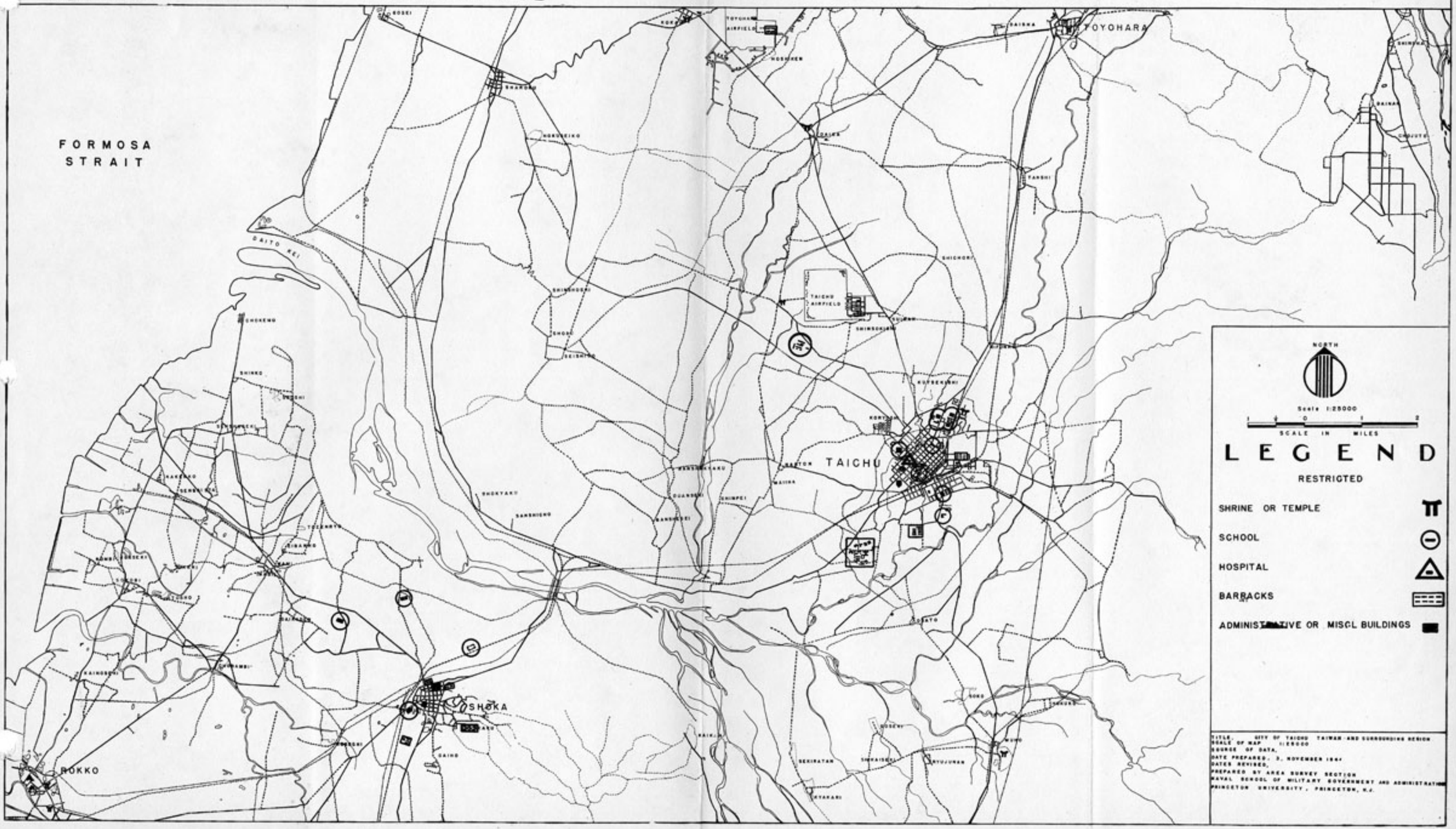
CITY OF TAICHU, TAIWAN AND SURROUNDING REGION - BASE MAP
PRINCIPAL HIGHWAY ROUTES

CITY OF TAICHU, TAIWAN AND SURROUNDING REGION - BASE MAP

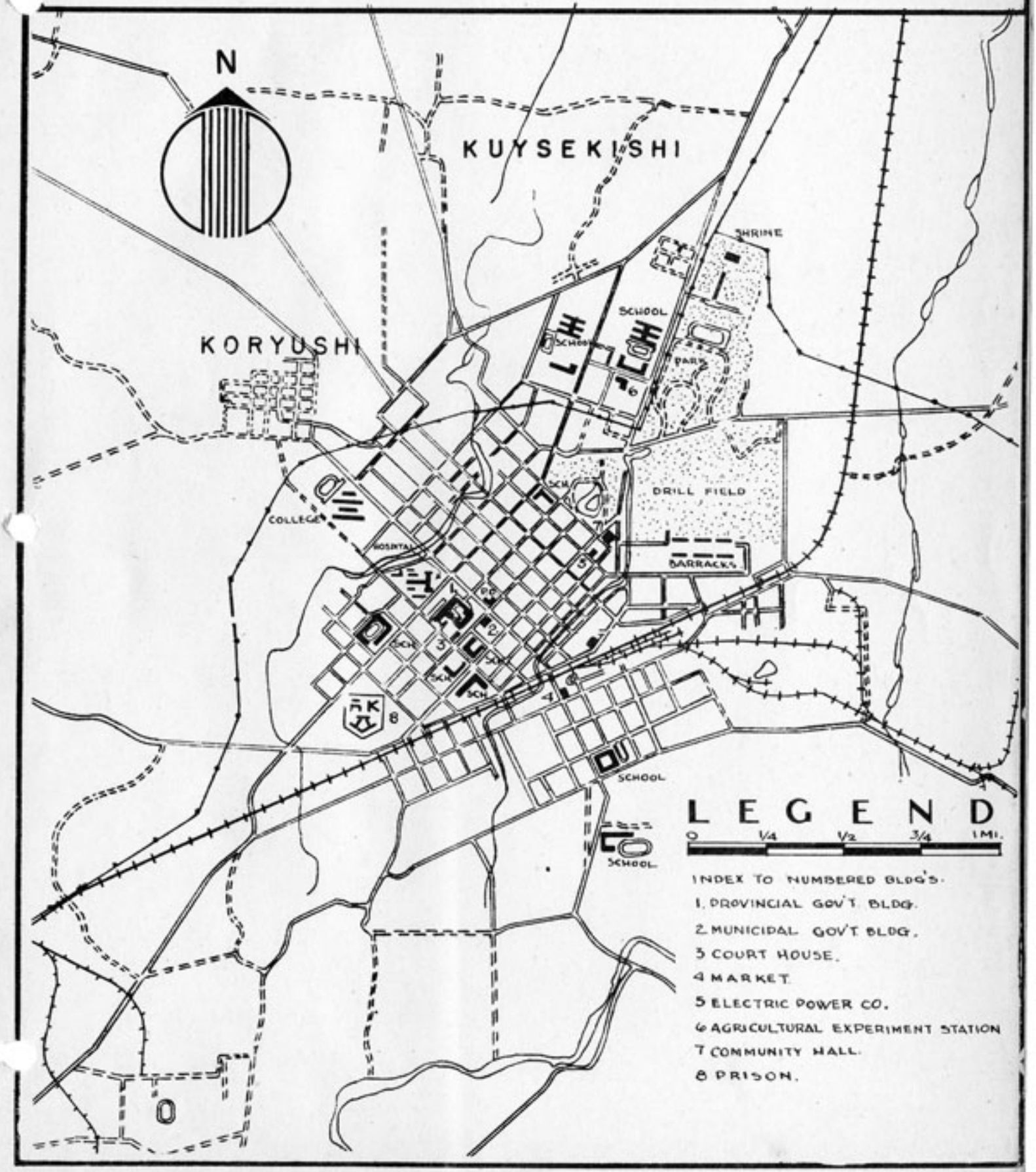
PUBLIC UTILITIES



CITY OF TAICHU, TAIWAN AND SURROUNDING REGION - BASE MAP
MAJOR PUBLIC BUILDINGS

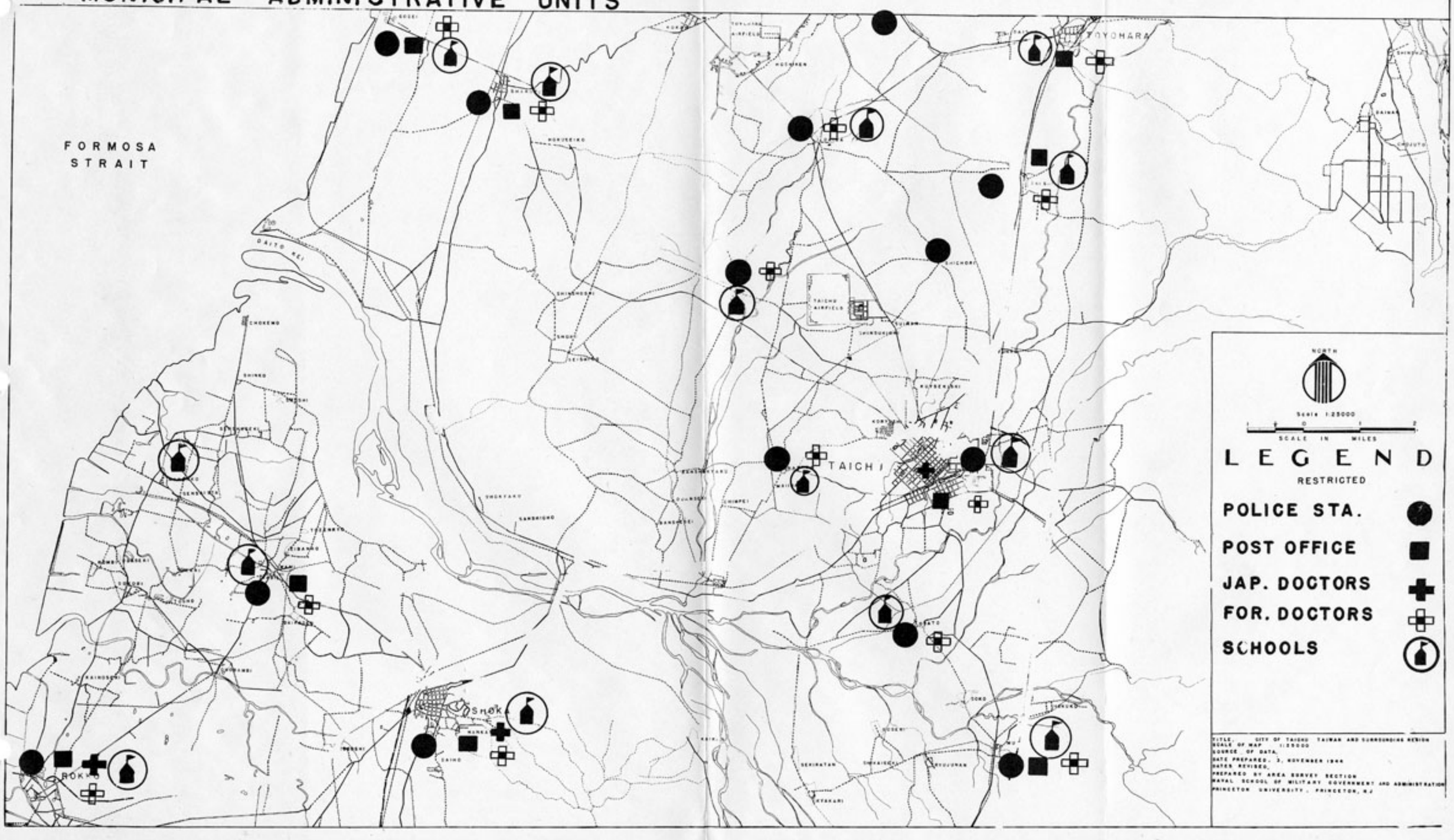


MAJOR PUBLIC BUILDINGS AND OPEN SPACES IN THE CITY OF TAICHU

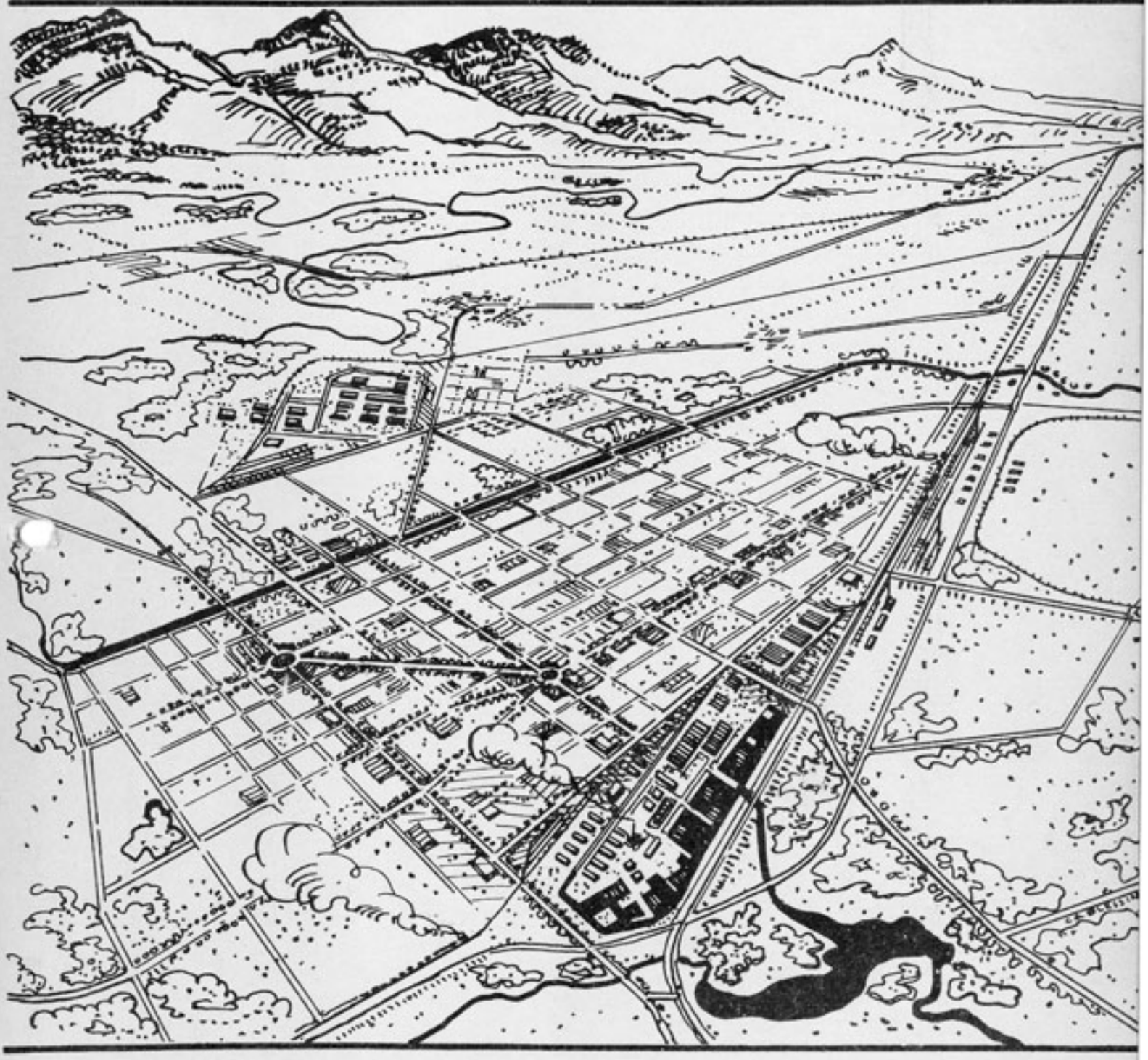


CITY OF TAICHU, TAIWAN AND SURROUNDING REGION - BASE MAP

MUNICIPAL ADMINISTRATIVE UNITS



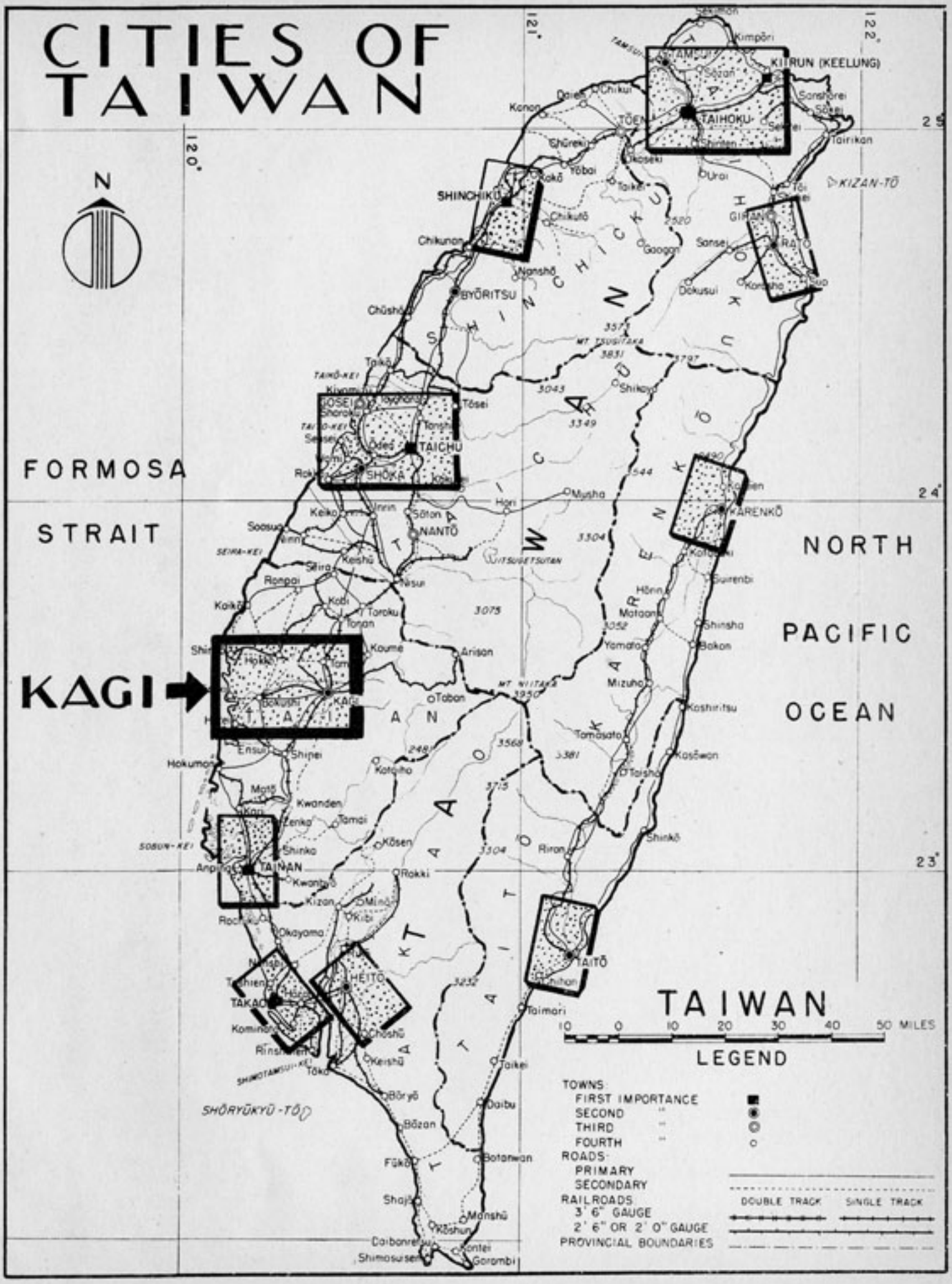
KAGI



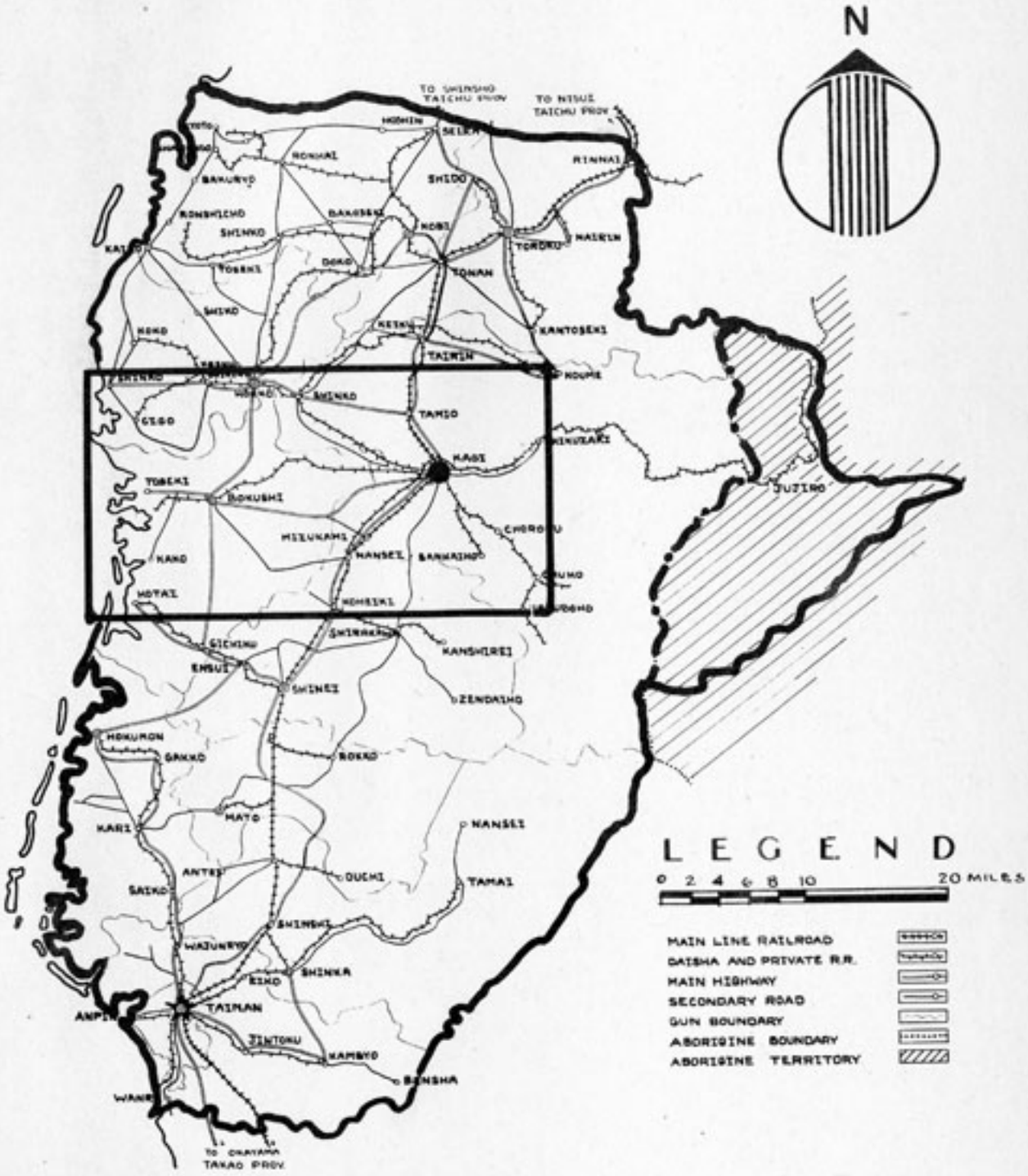
A GRAPHIC SURVEY

FOR CIVIL AFFAIRS OFFICERS

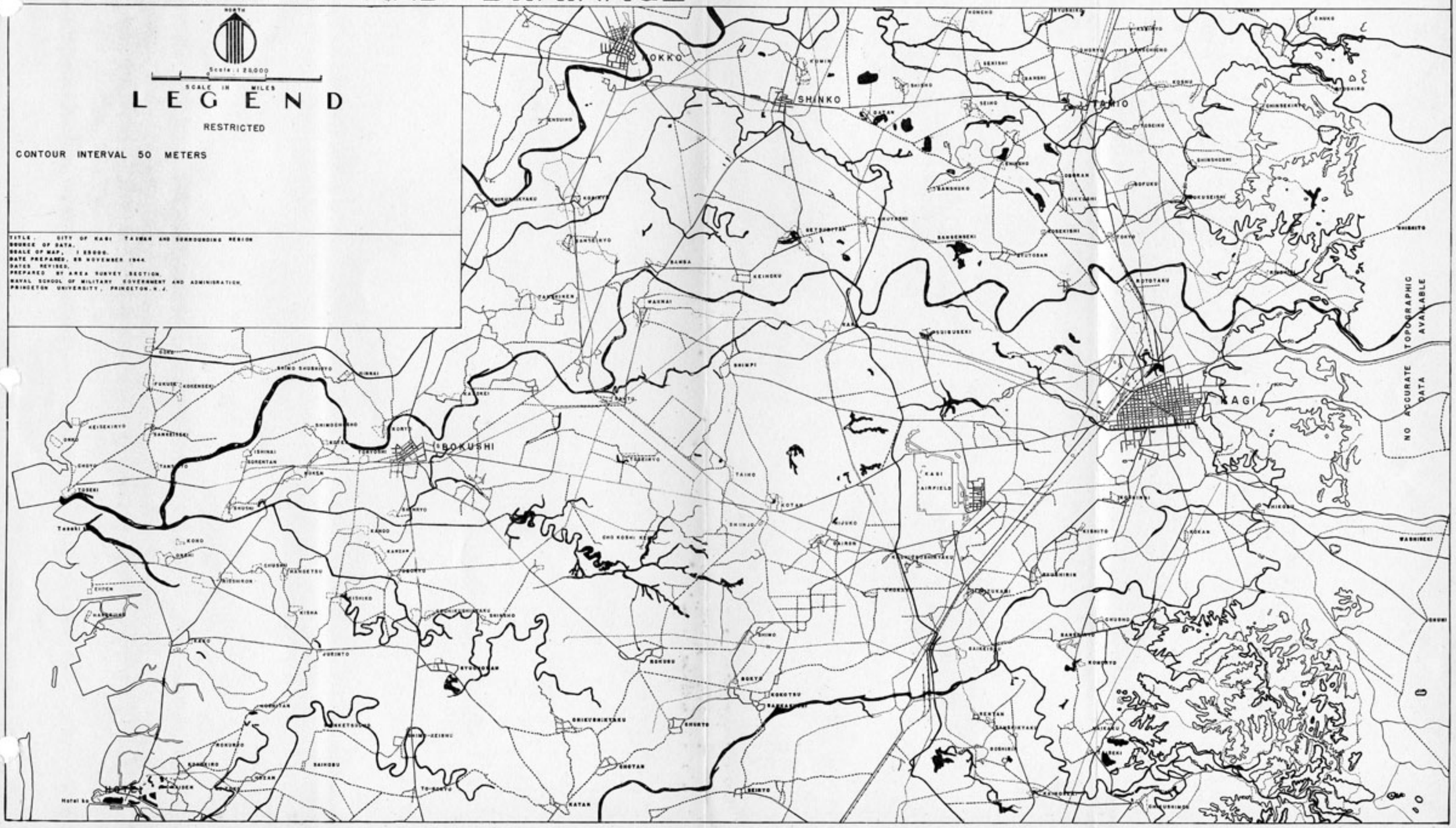
CITIES OF TAIWAN



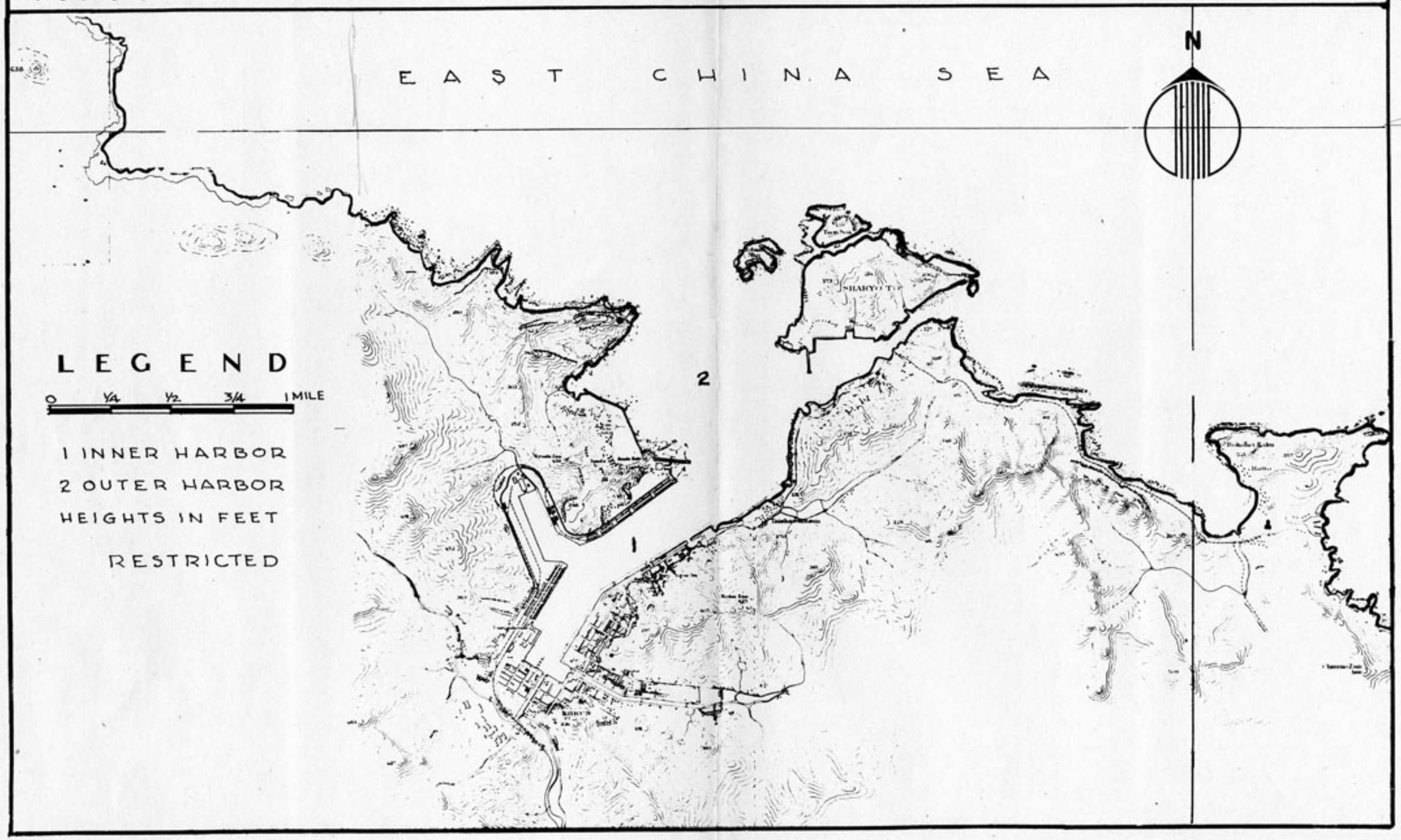
CITY OF KAGI AND SURROUNDING REGION IN RELATION TO TAINAN PROVINCE



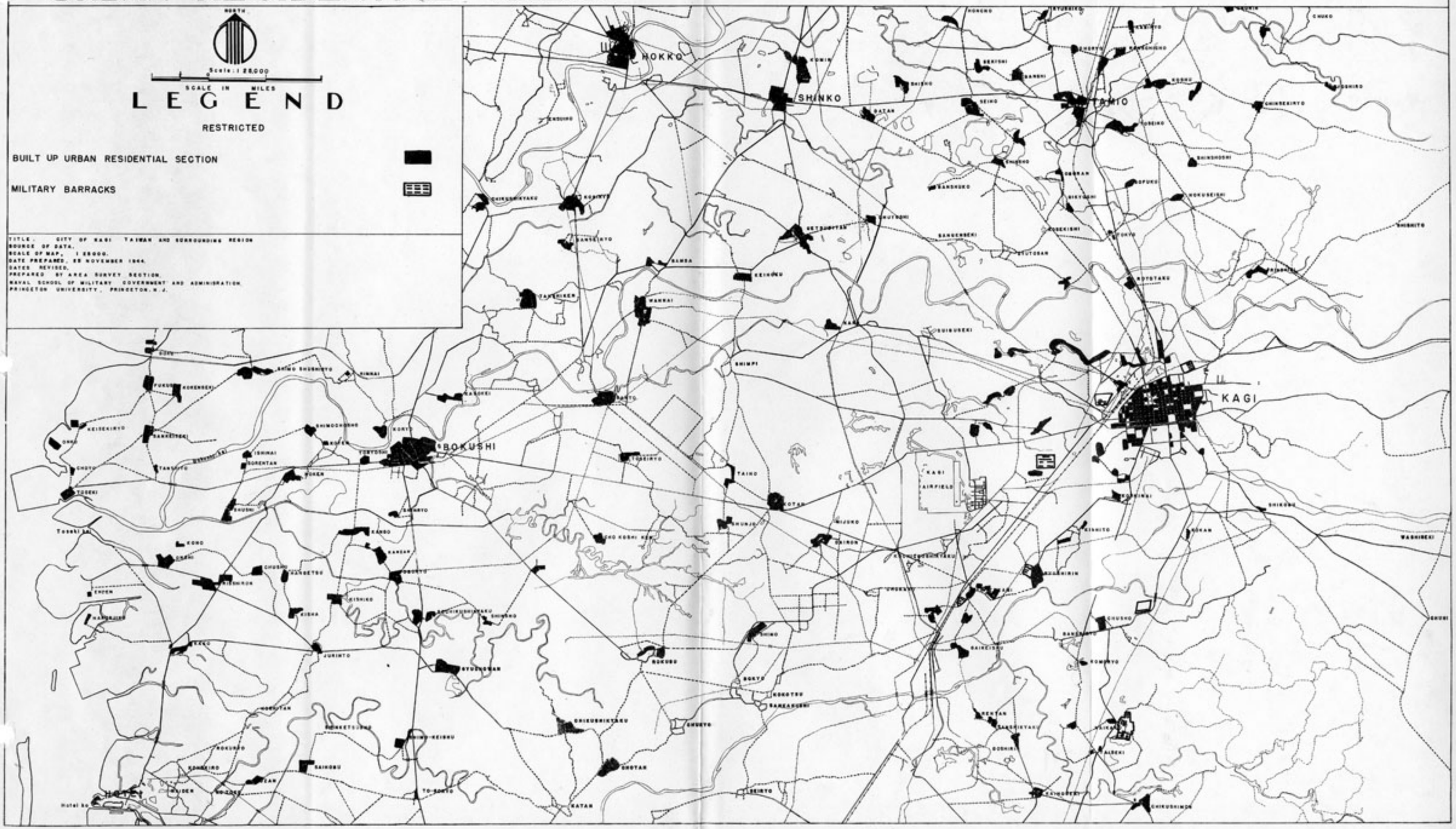
CITY OF KAGI, TAIWAN AND SURROUNDING REGION - BASE MAP
TOPOGRAPHY AND DRAINAGE



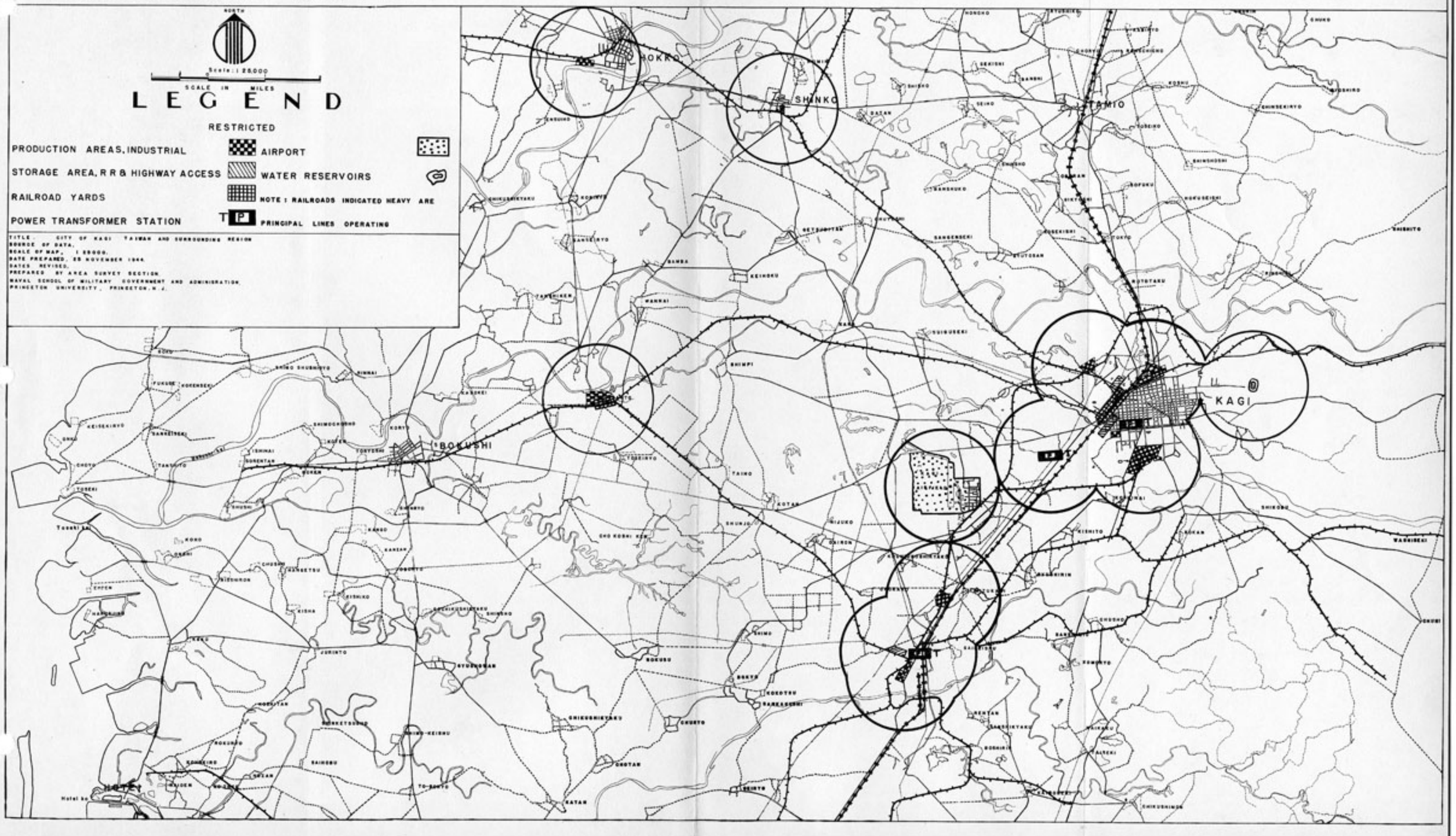
TOPOGRAPHY OF CITY OF KEELUNG & SURROUNDING REGION



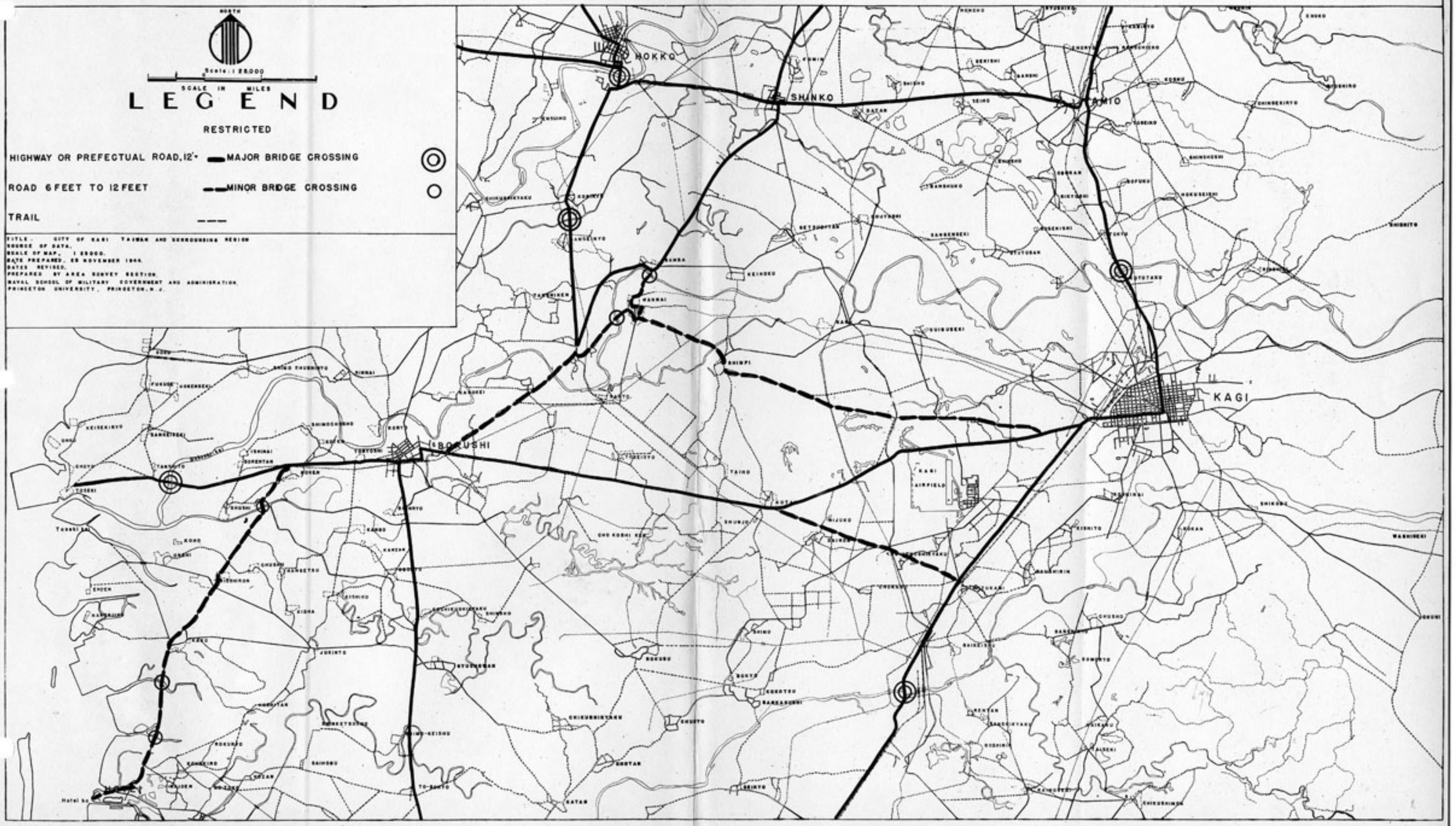
CITY OF KAGI, TAIWAN AND SURROUNDING REGION - BASE MAP
URBAN RESIDENTIAL AREAS



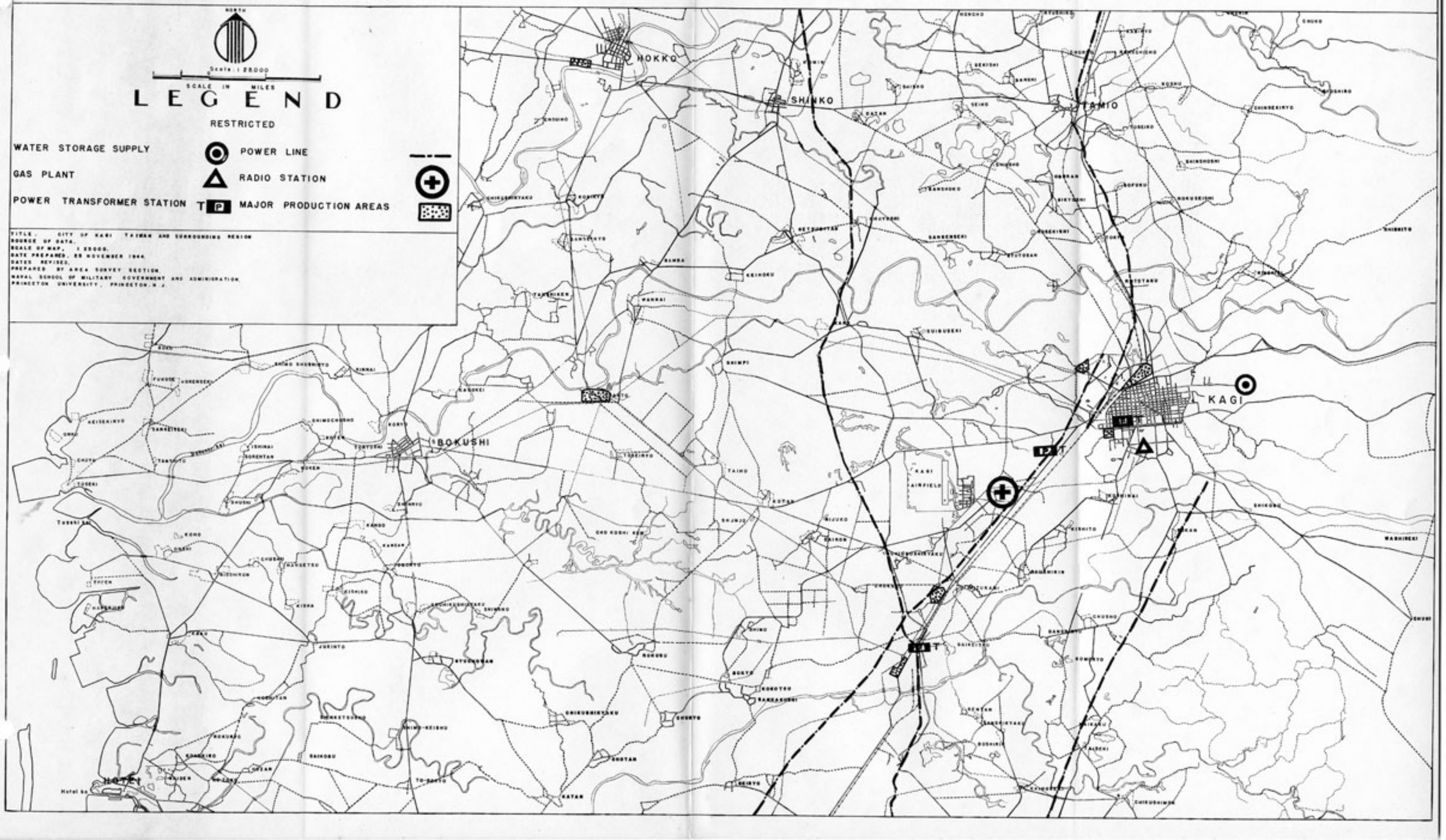
CITY OF KAGI, TAIWAN AND SURROUNDING REGION - BASE MAP
INDUSTRIAL AREAS



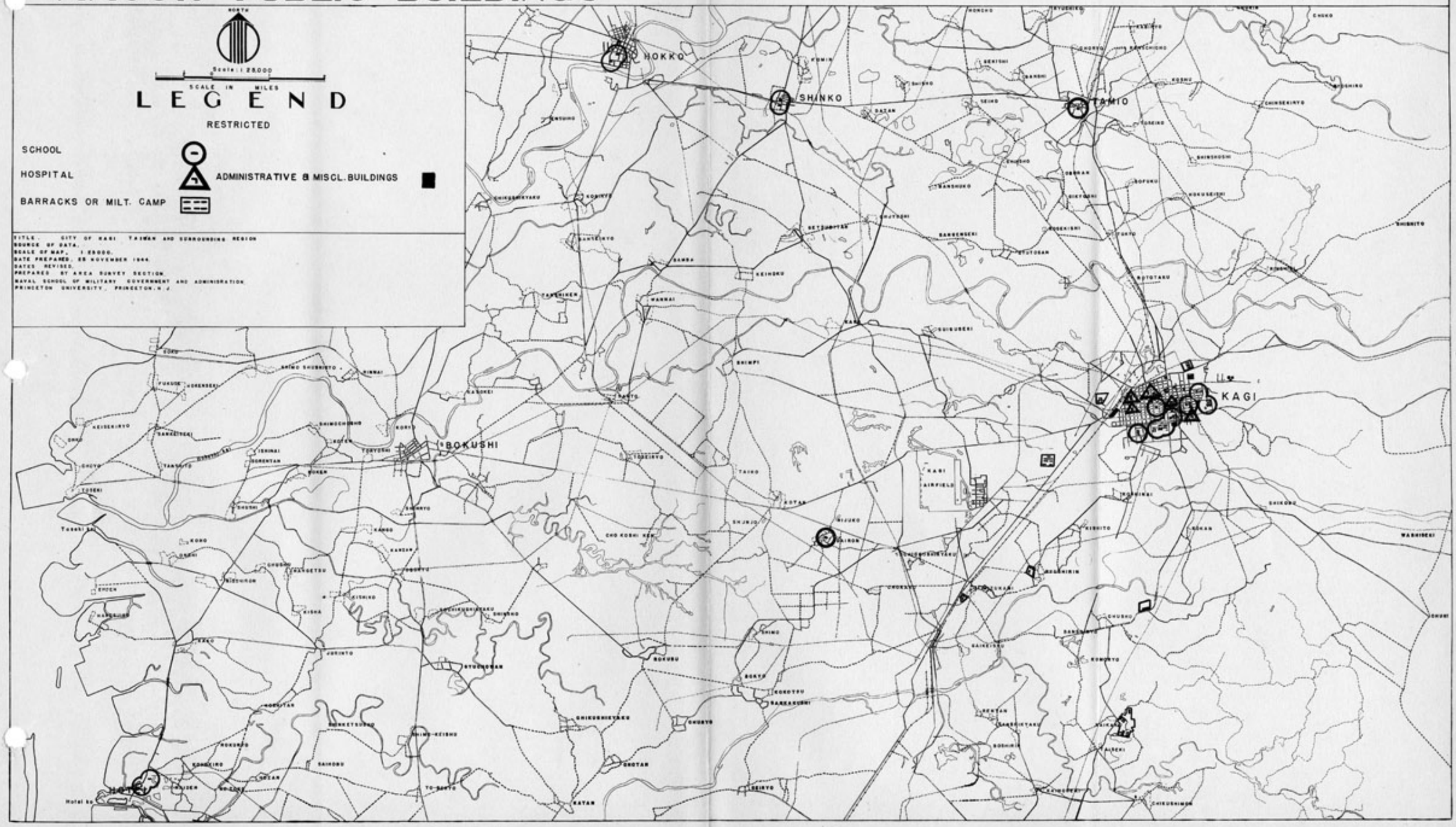
CITY OF KAGI, TAIWAN AND SURROUNDING REGION - BASE MAP
PRINCIPAL HIGHWAY ROUTES



CITY OF KAGI, TAIWAN AND SURROUNDING REGION - BASE MAP
PUBLIC UTILITIES

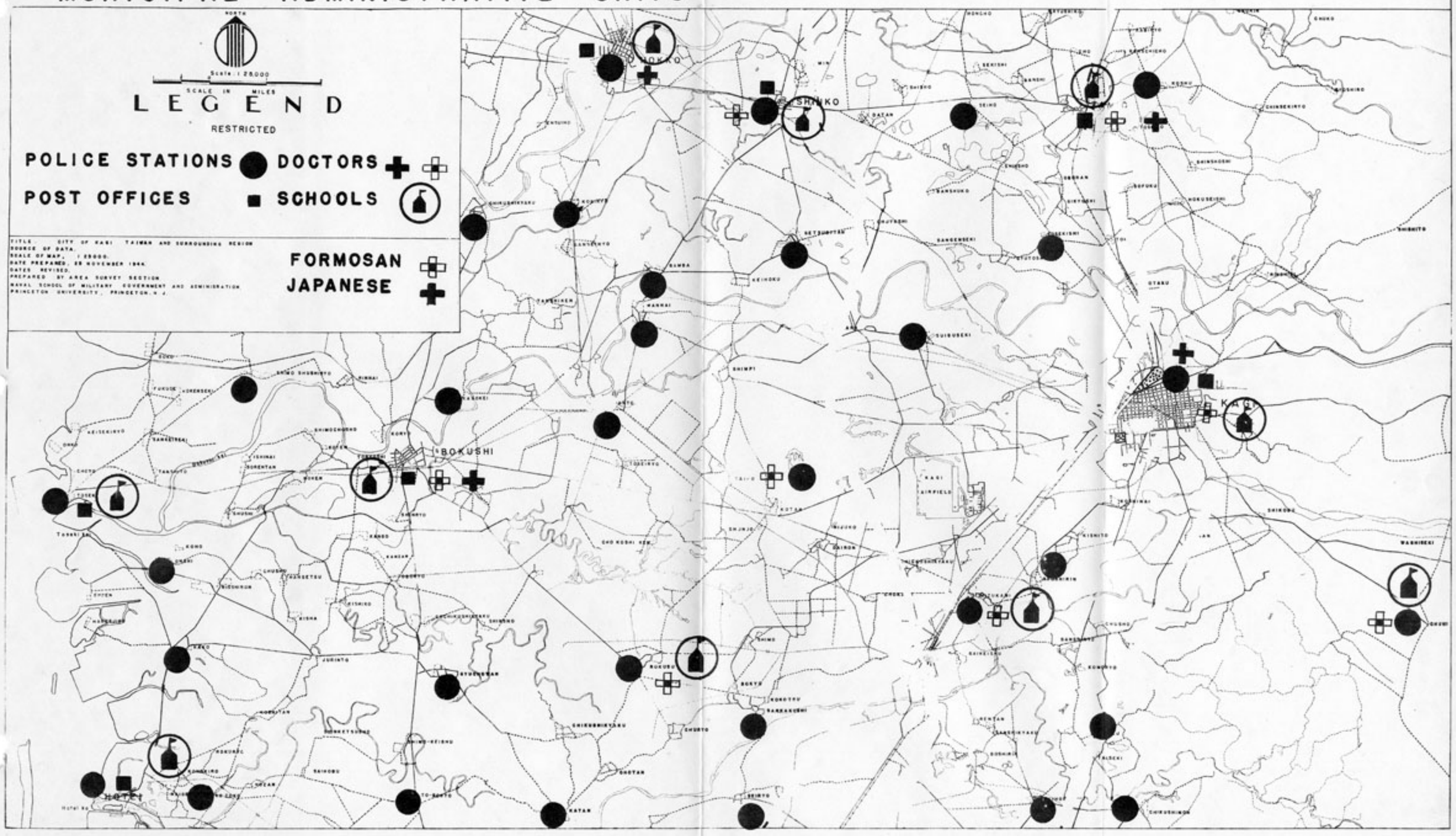


CITY OF KAGI, TAIWAN AND SURROUNDING REGION - BASE MAP
MAJOR PUBLIC BUILDINGS

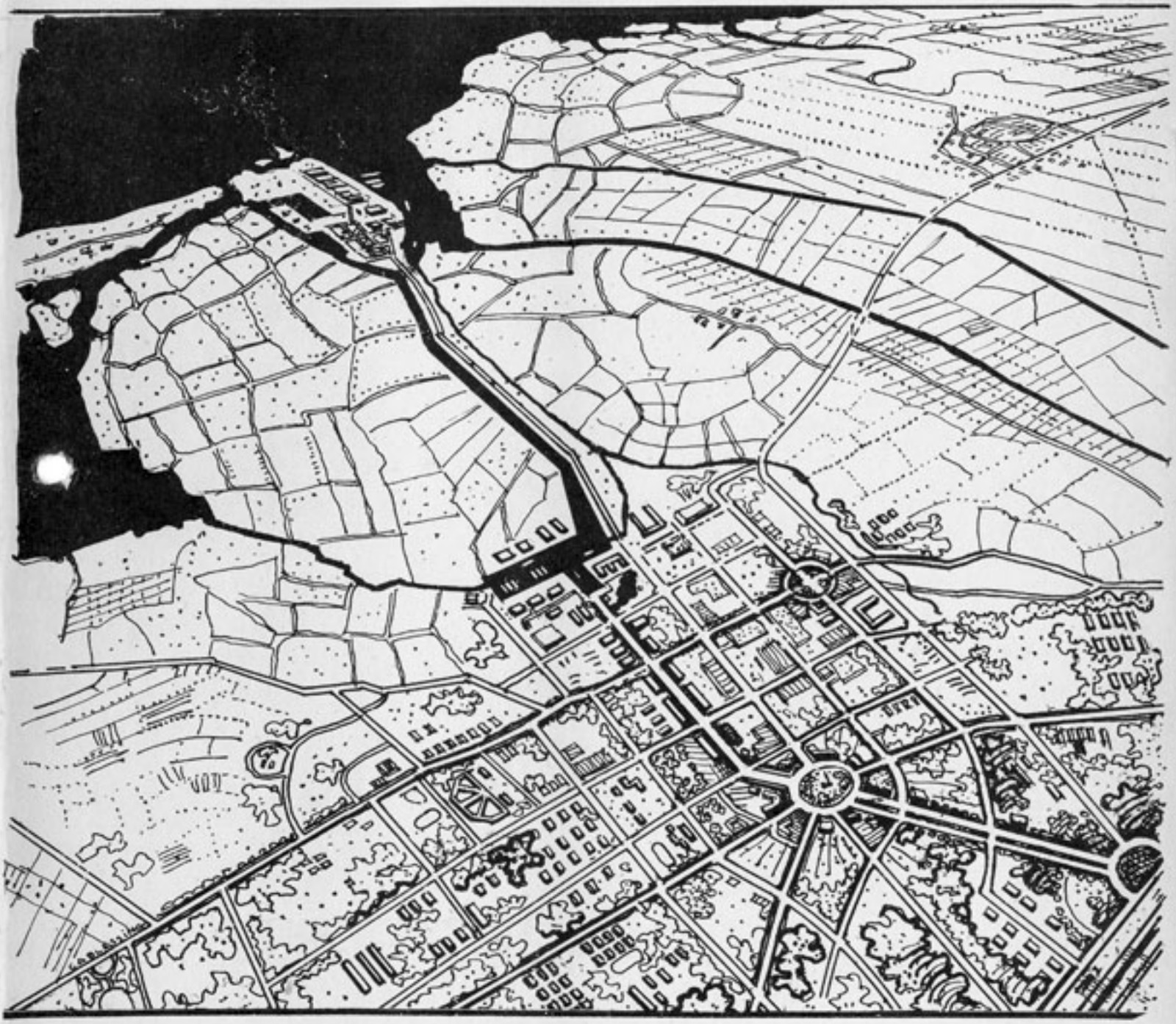


CITY OF KAGI, TAIWAN AND SURROUNDING REGION - BASE MAP

MUNICIPAL ADMINISTRATIVE UNITS

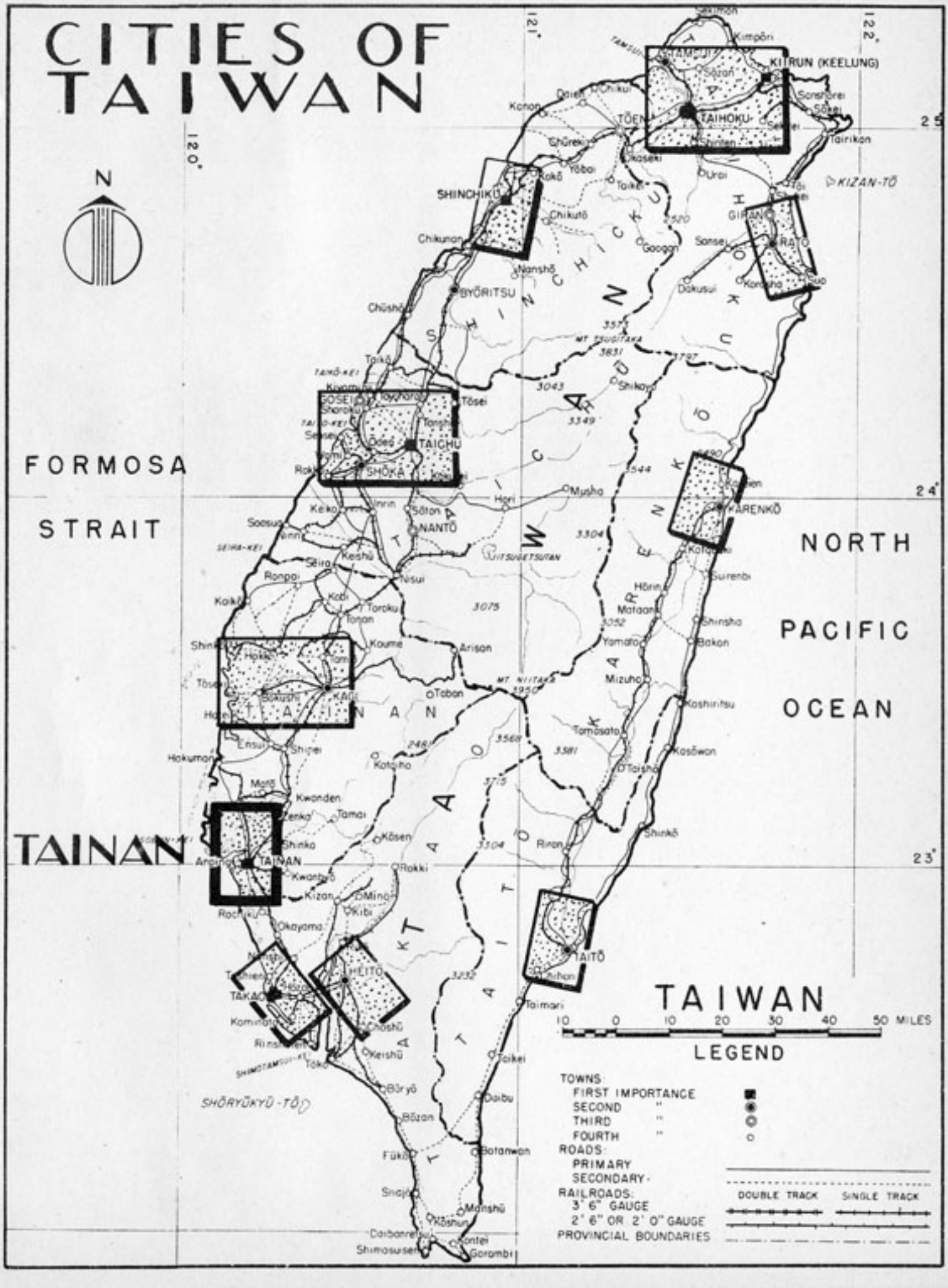


TAINAN



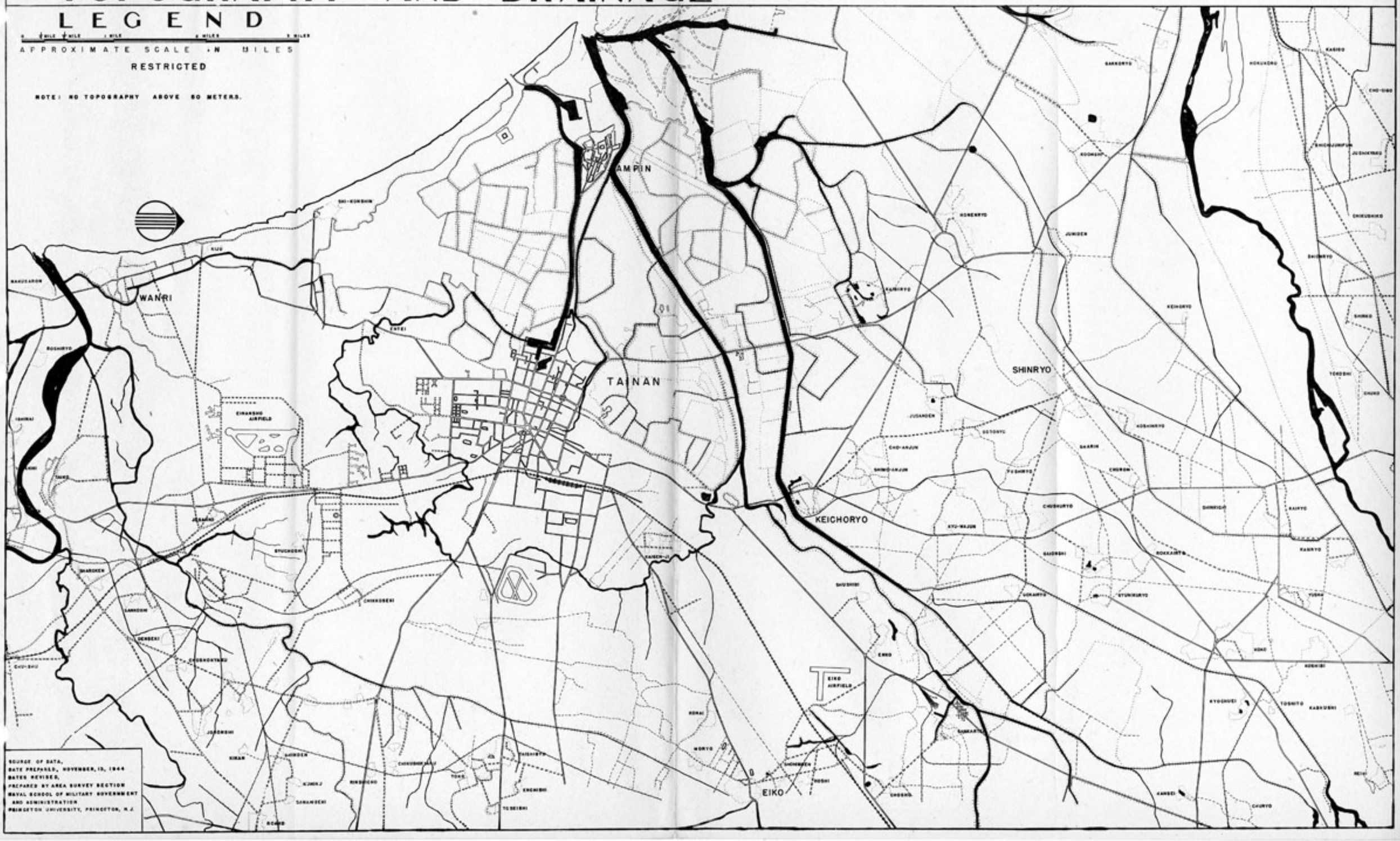
A GRAPHIC SURVEY

FOR CIVIL AFFAIRS OFFICERS

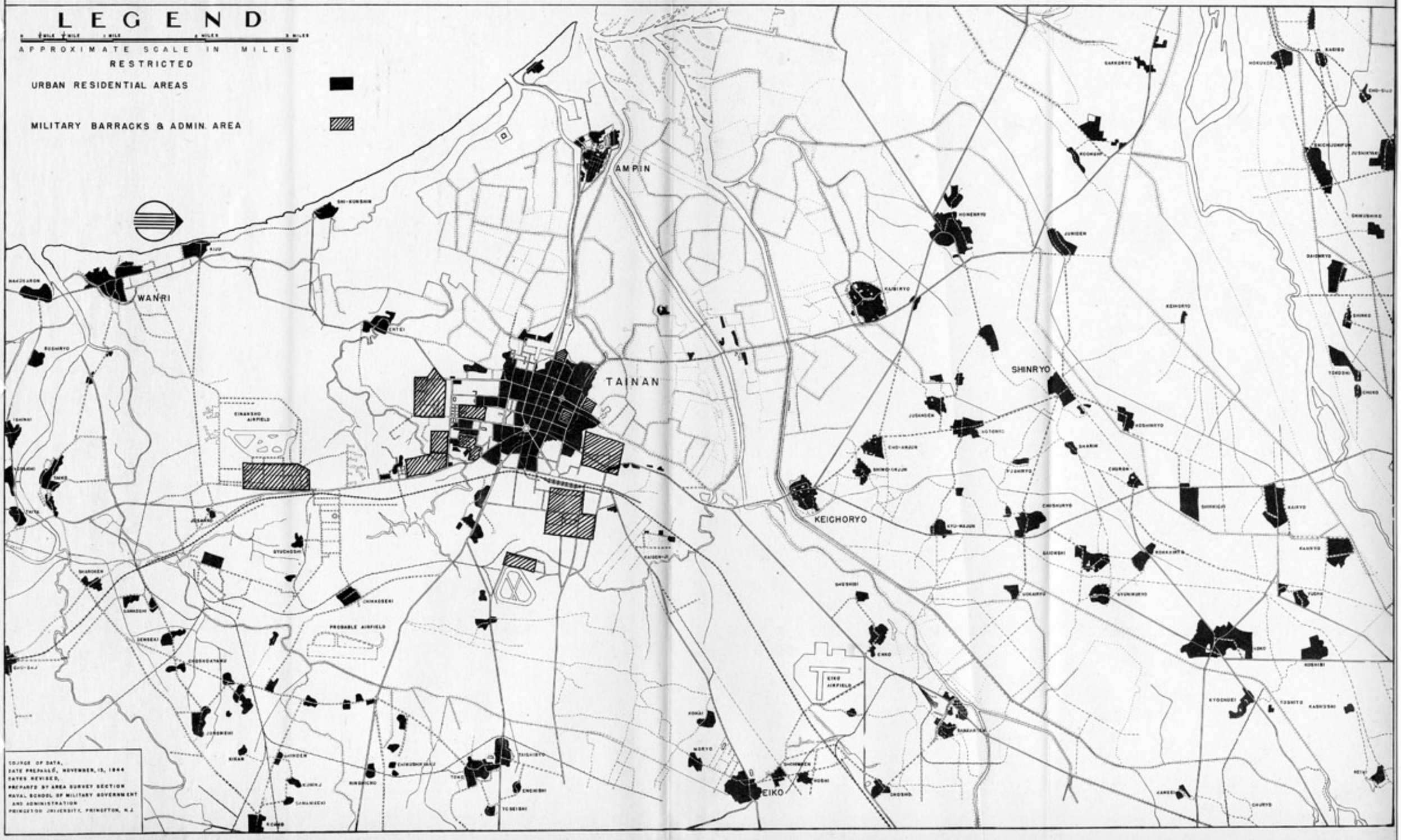

CITIES OF TAIWAN
N
FORMOSA STRAIT
NORTH PACIFIC OCEAN
TAINAN
TAIWAN
KITRUN (KEELUNG)
TAIHOKU
TÖEN
SHINCHIKU
BYÖRITSU
GIRAN
RATO
TAICHU
SHÖKA
NANTÖ
KARENKÖ
KAGI
TAINAN
HEITO
TAKAO
TAITÖ
KIZAN-TÖ
SHÖRYÜKYÜ-TÖ
MT. TSUGITAKA
MT. NIITAKA
10 0 10 20 30 40 50 MILES
LEGEND
TOWNS:
FIRST IMPORTANCE
SECOND "
THIRD "
FOURTH "
ROADS:
PRIMARY
SECONDARY
RAILROADS:
3' 6" GAUGE
2' 6" OR 2' 0" GAUGE
PROVINCIAL BOUNDARIES
DOUBLE TRACK
SINGLE TRACK

CITY OF TAINAN AND SURROUNDING REGION IN RELATION TO TAINAN PROVINCE

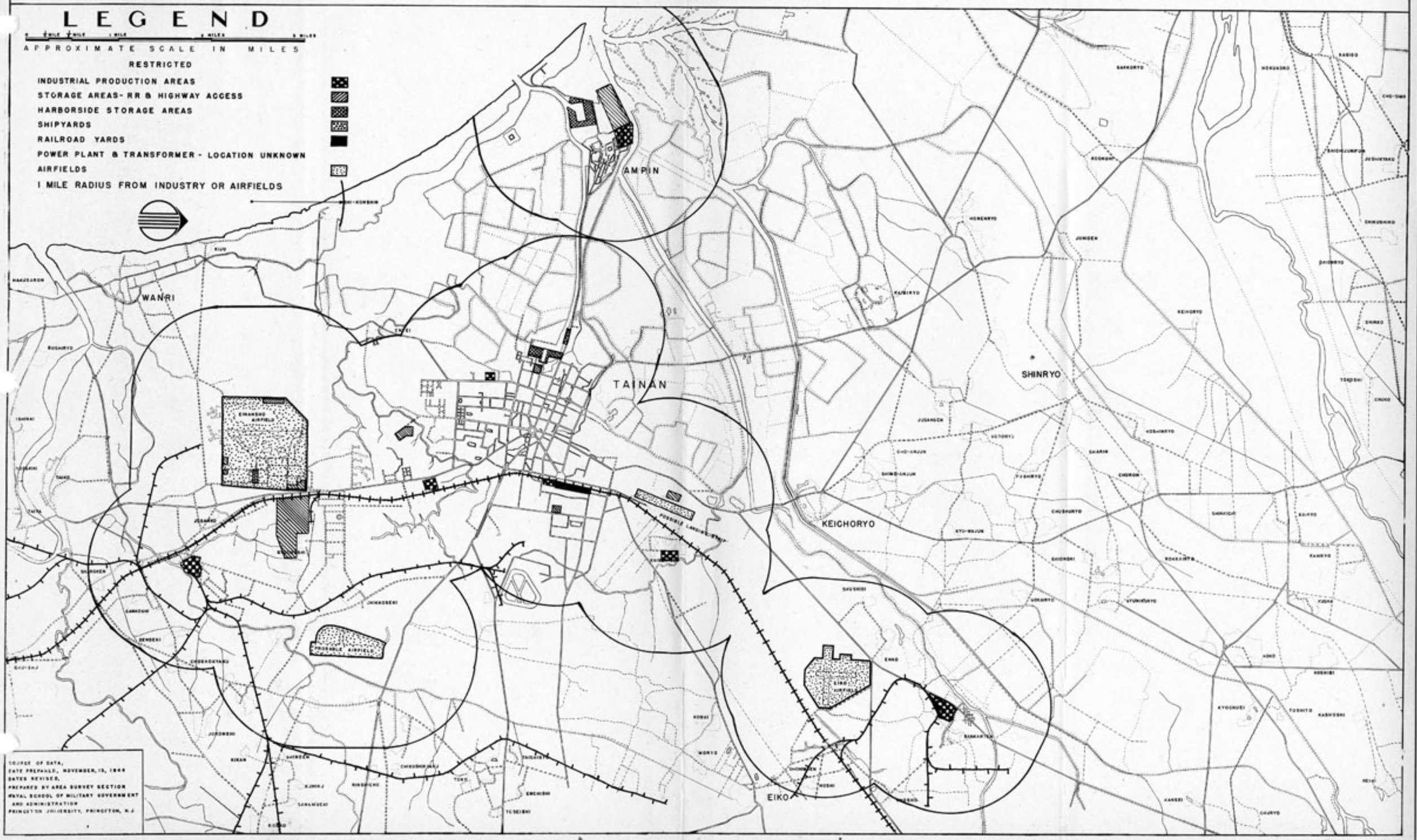
CITY OF TAINAN, TAIWAN AND SURROUNDING REGION - BASE MAP
TOPOGRAPHY AND DRAINAGE



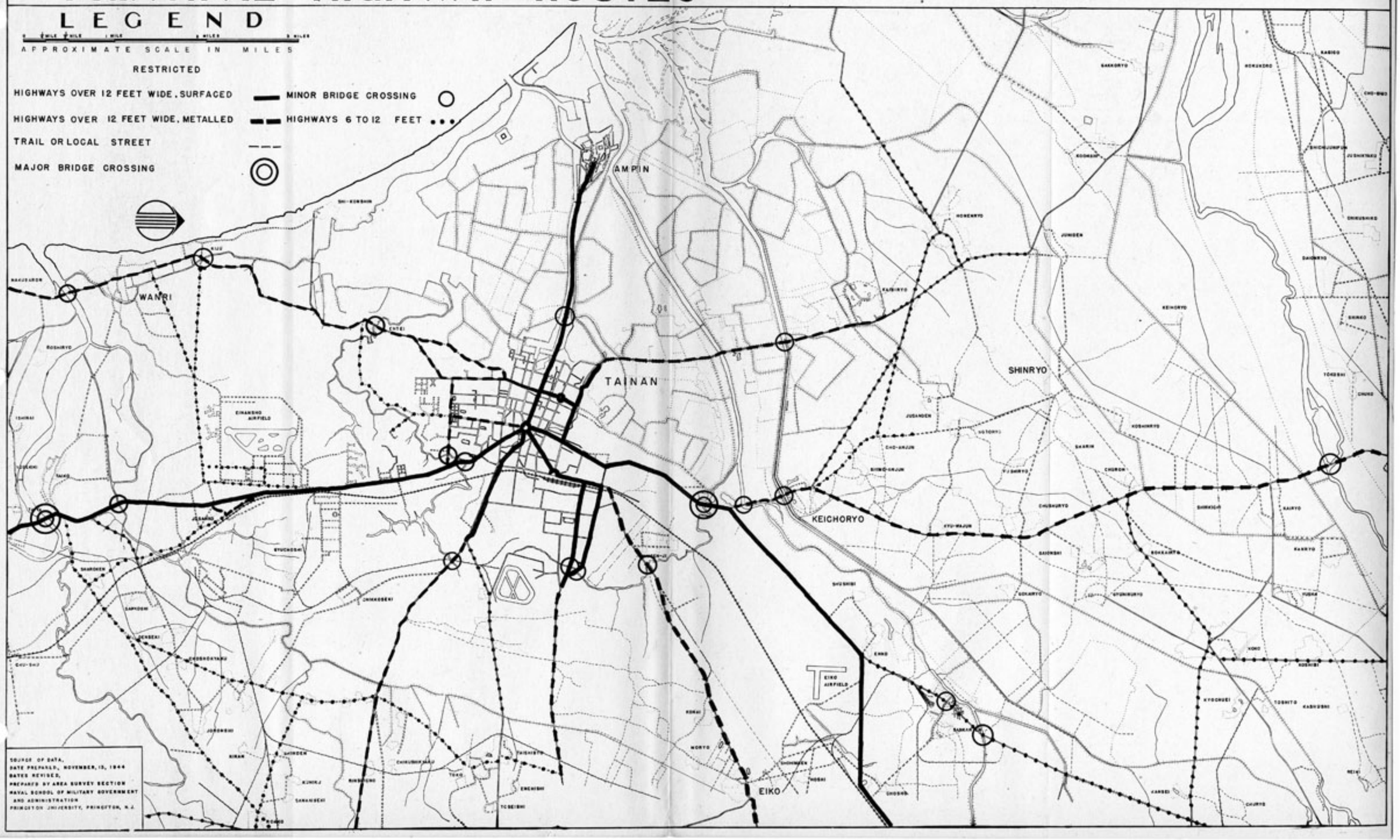
CITY OF TAINAN, TAIWAN AND SURROUNDING REGION - BASE MAP
URBAN RESIDENTIAL AREAS AND MILITARY BARRACKS



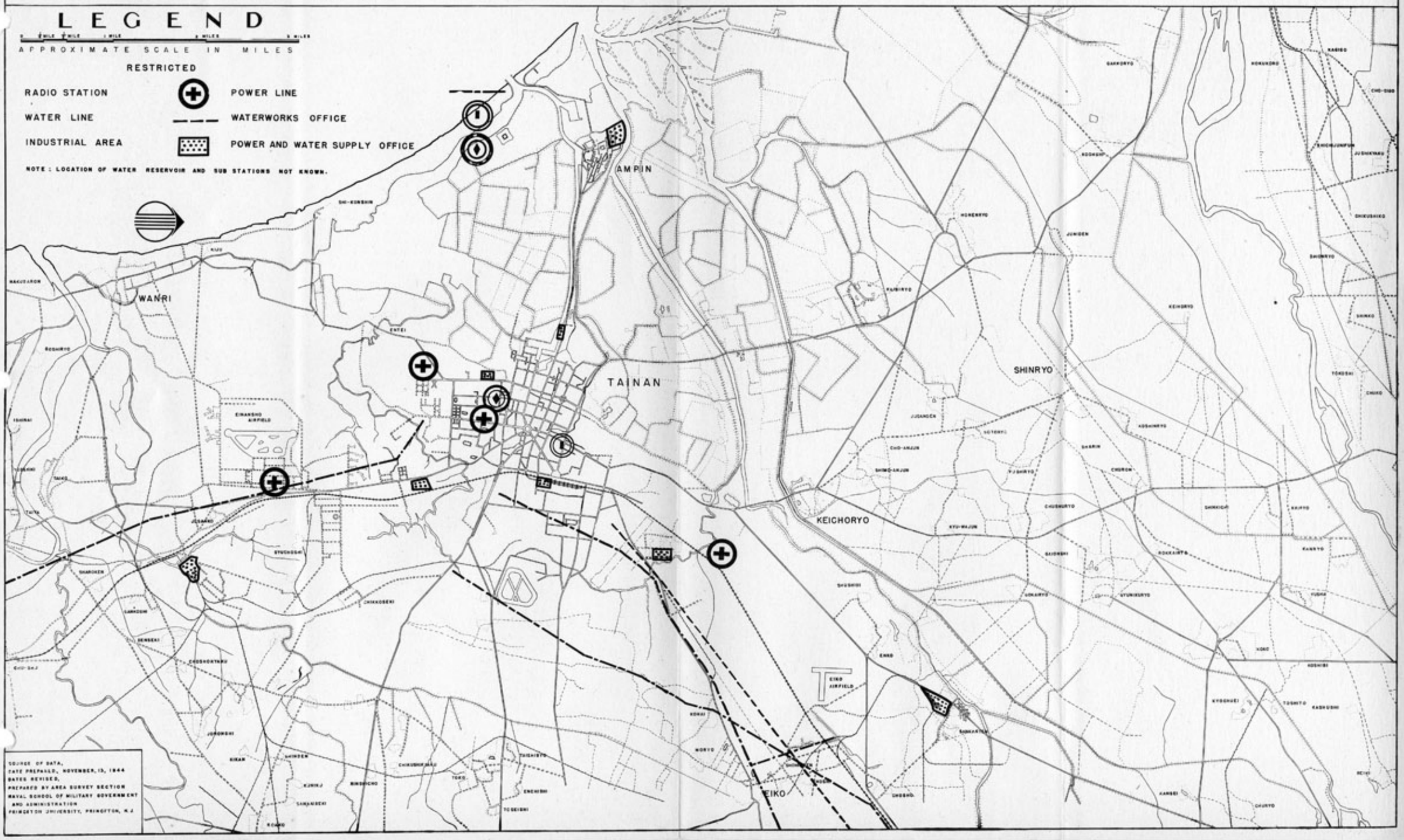
CITY OF TAINAN, TAIWAN AND SURROUNDING REGION - BASE MAP
INDUSTRIAL AREAS



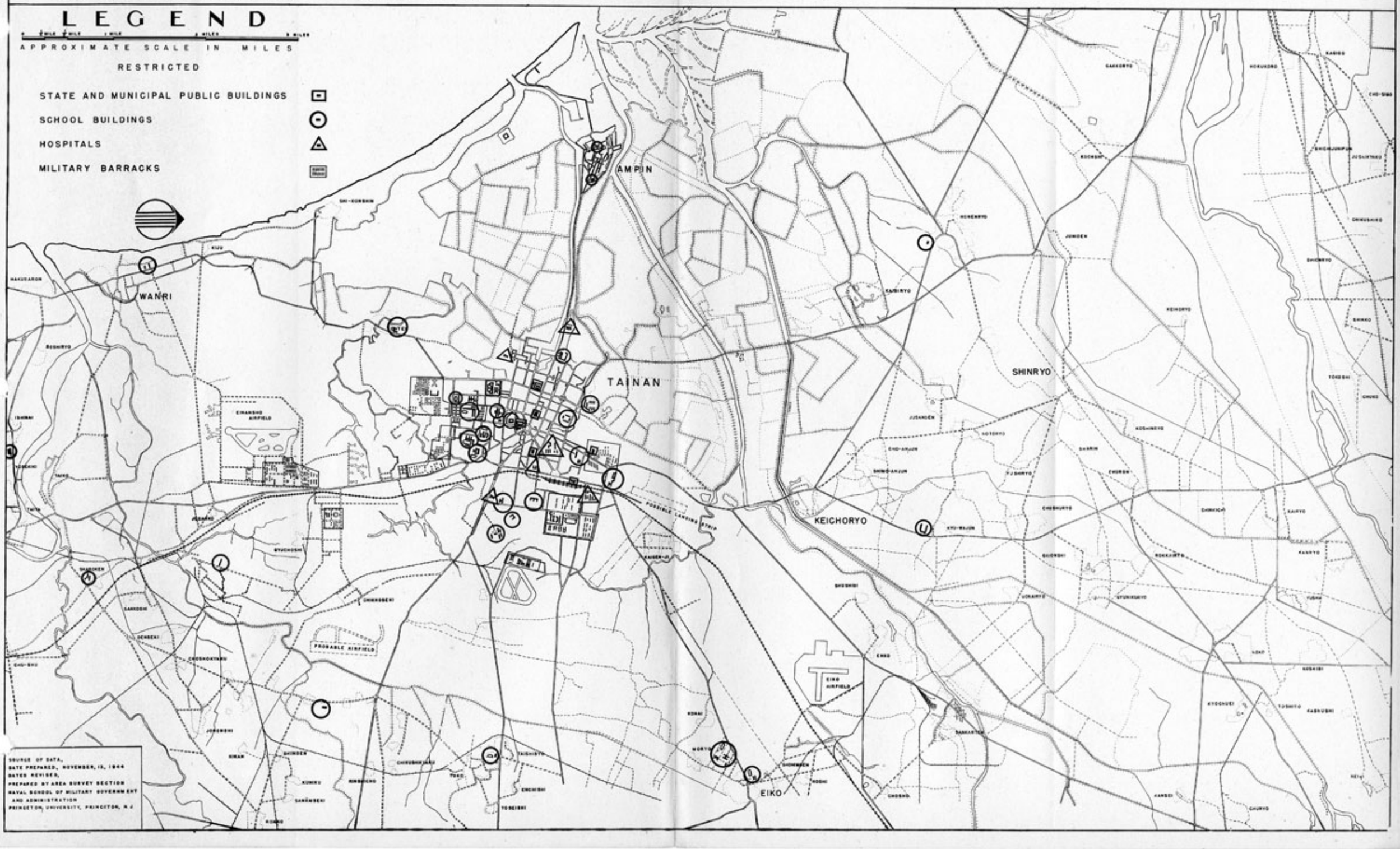
CITY OF TAINAN, TAIWAN AND SURROUNDING REGION - BASE MAP
PRINCIPAL HIGHWAY ROUTES



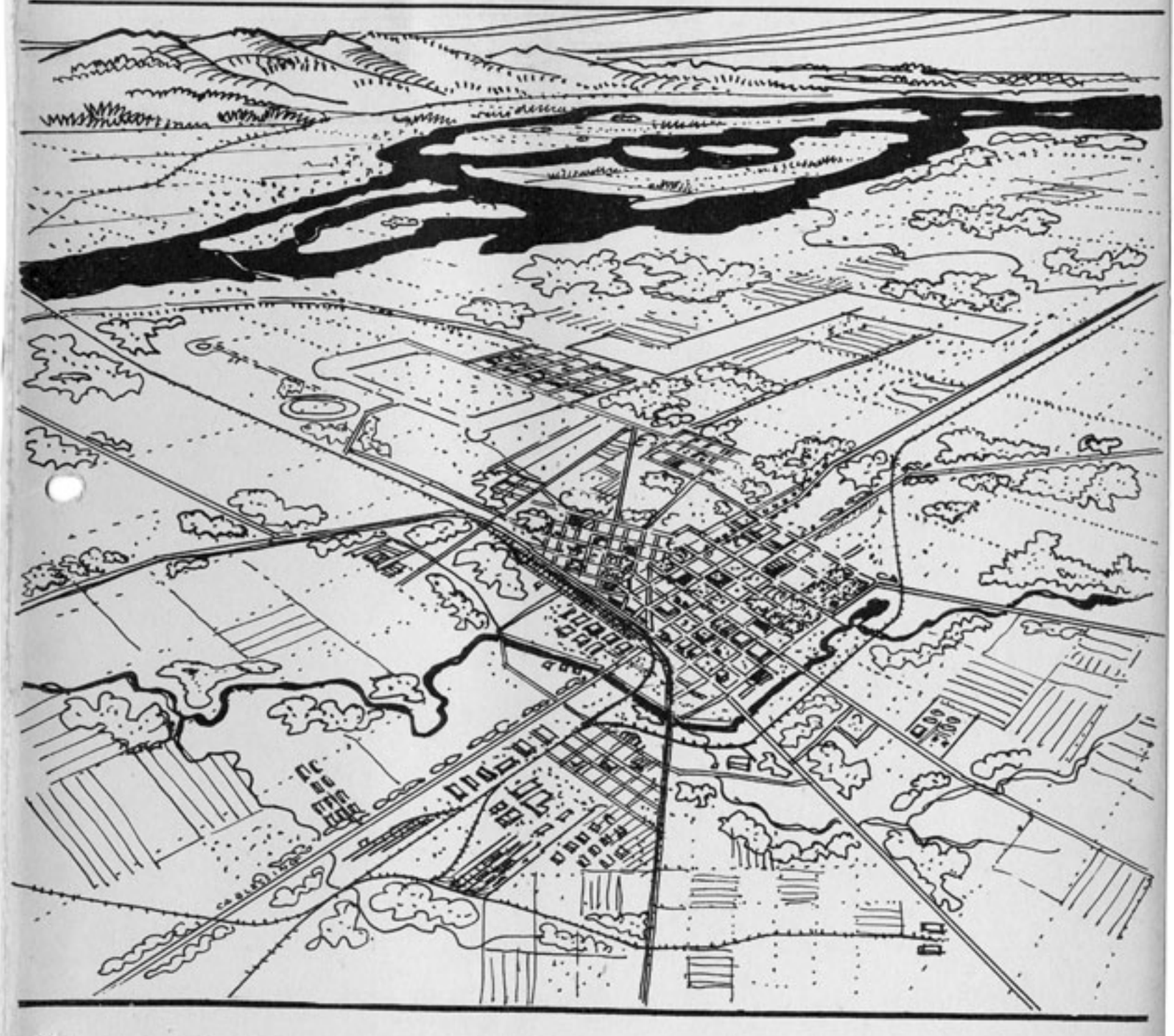
CITY OF TAINAN, TAIWAN AND SURROUNDING REGION - BASE MAP
PUBLIC UTILITIES



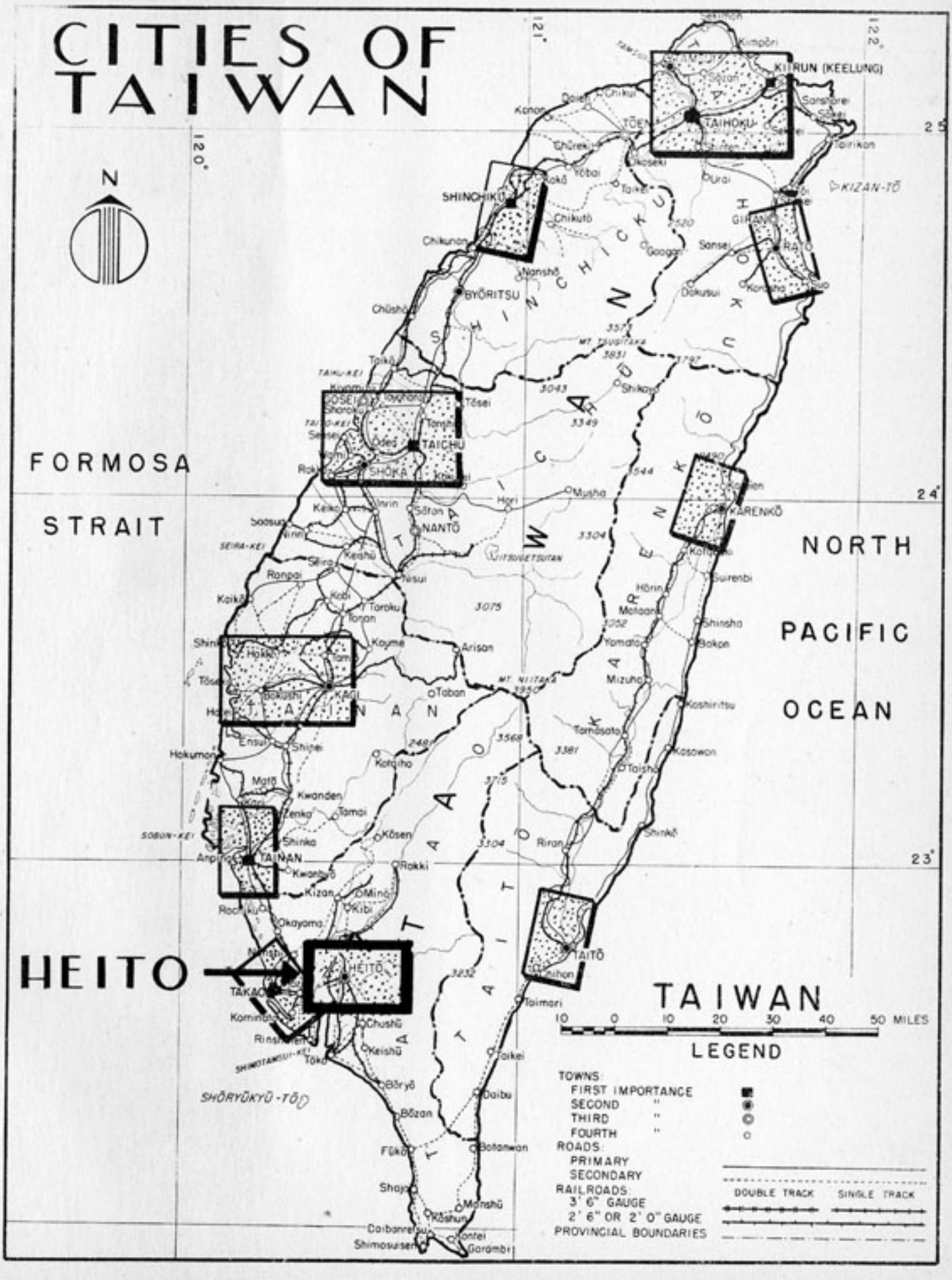
CITY OF TAINAN, TAIWAN AND SURROUNDING REGION - BASE MAP
MAJOR PUBLIC BUILDINGS



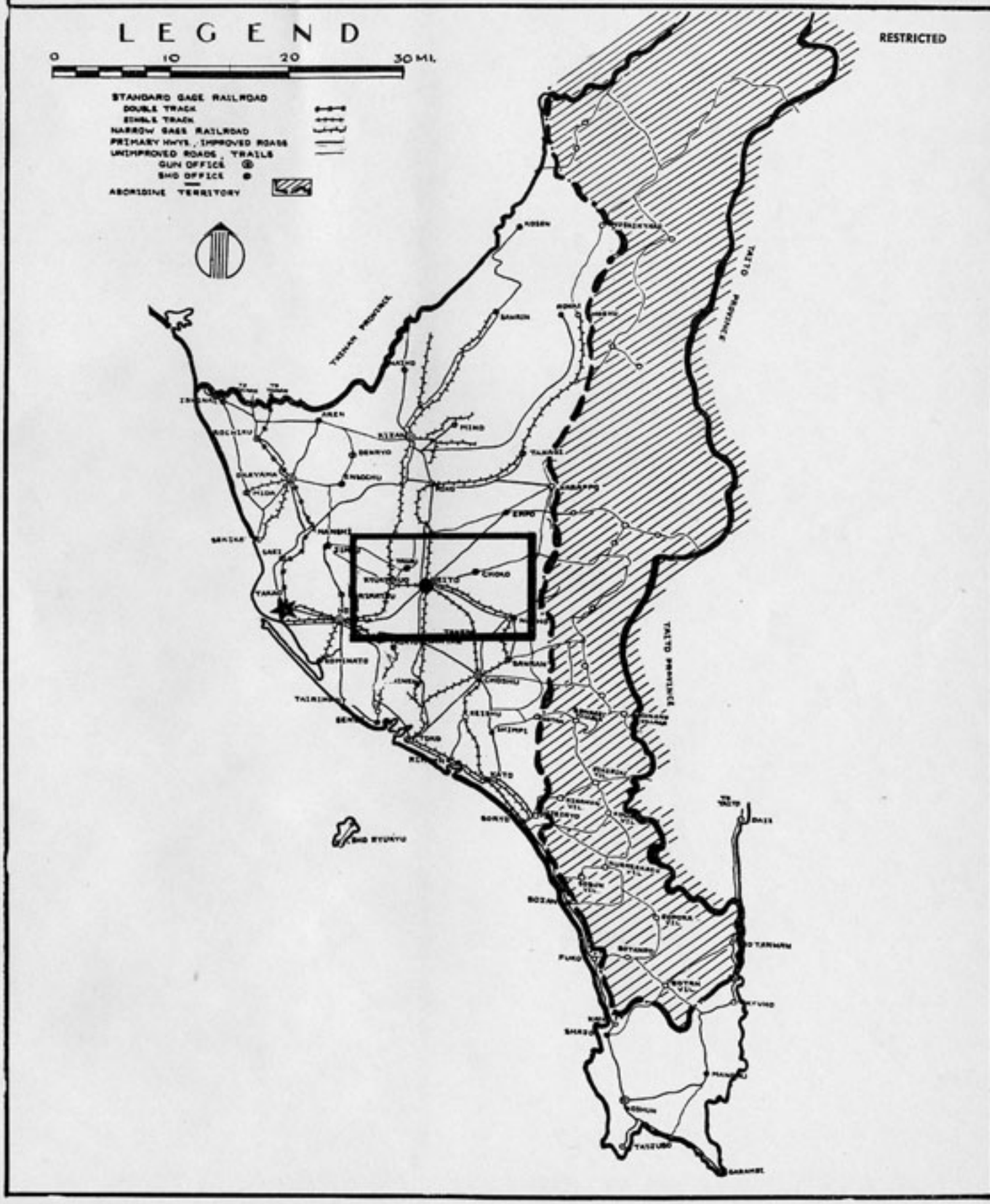
HEITO



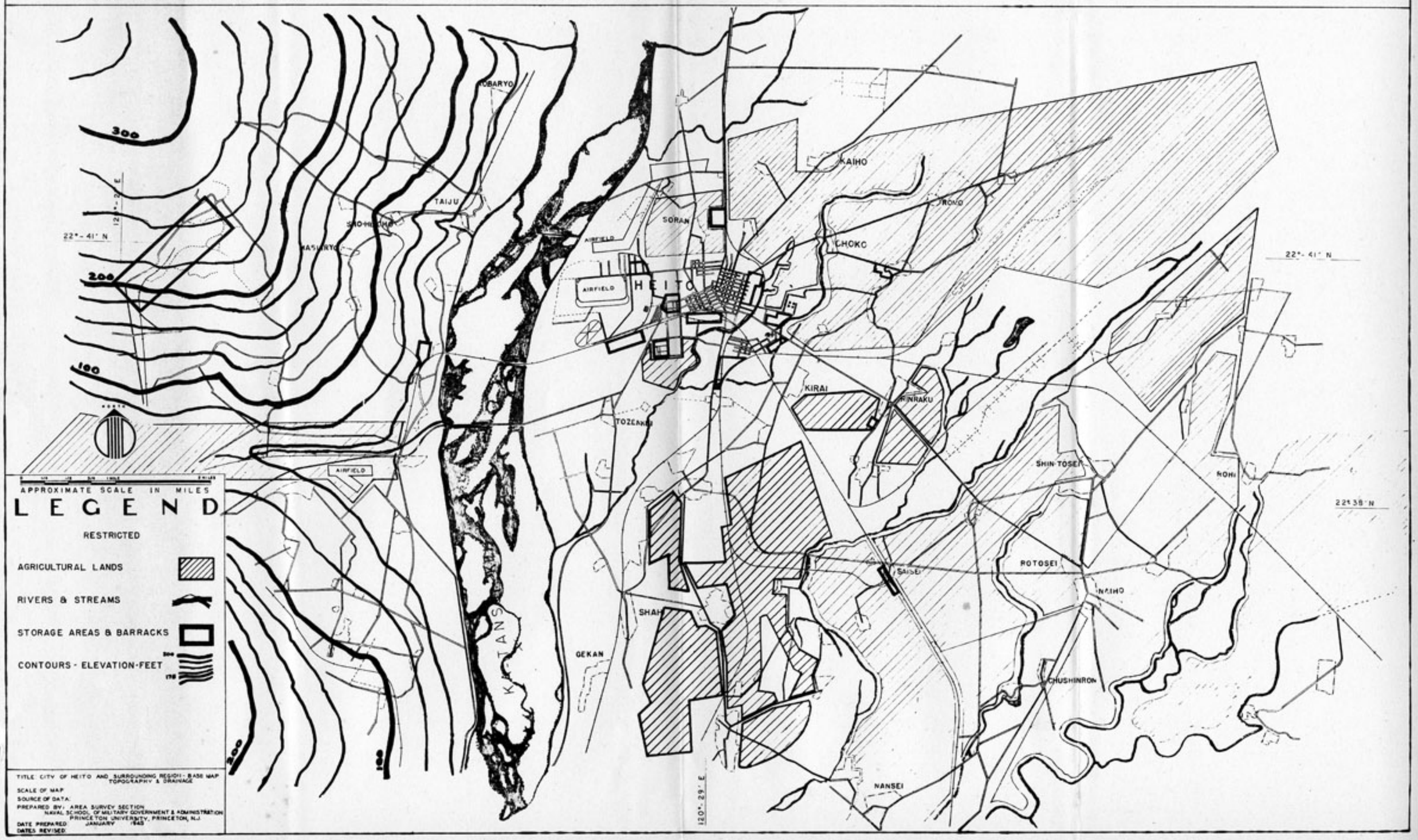
A GRAPHIC SURVEY
FOR CIVIL AFFAIRS OFFICERS


CITIES OF TAIWAN
FORMOSA STRAIT
NORTH PACIFIC OCEAN
HEITO
TAIWAN
N
KIIRUN (KEELUNG)
TAIHOKU
SHINCHIKU
BYŌRITSU
TAICHU
SHŌKA
NANTŌ
KARENKŌ
KAGI
TAINAN
HEITŌ
TAITŌ
KIZAN-TŌ
SHŌRYŌKYŌ-TŌ
LEGEND
TOWNS:
FIRST IMPORTANCE
SECOND "
THIRD "
FOURTH "
ROADS:
PRIMARY
SECONDARY
RAILROADS:
3' 6" GAUGE
2' 6" OR 2' 0" GAUGE
PROVINCIAL BOUNDARIES
DOUBLE TRACK
SINGLE TRACK
10 0 10 20 30 40 50 MILES

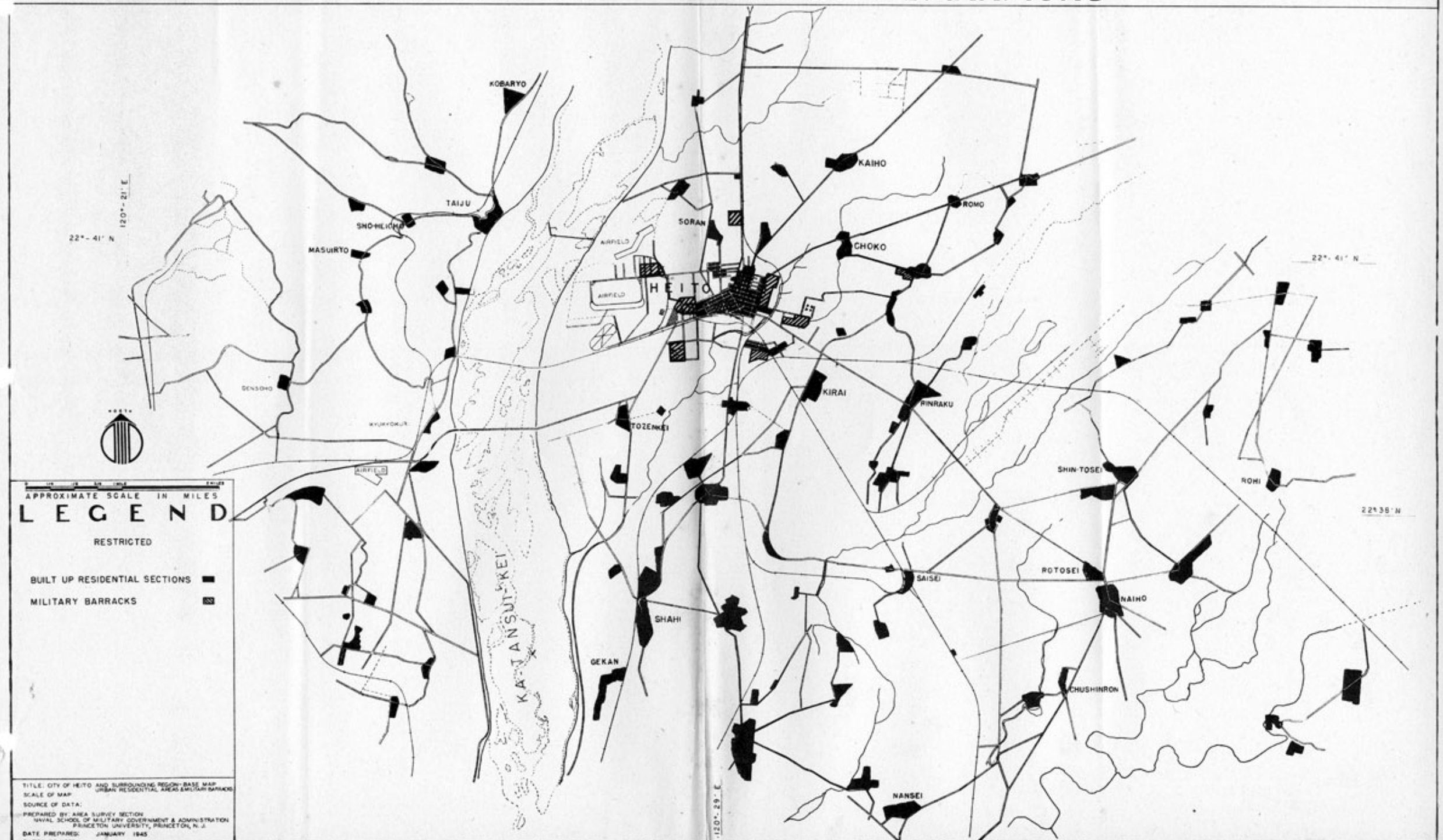
CITY OF HEITO AND SURROUNDING REGION IN RELATION TO TAKAO PROVINCE



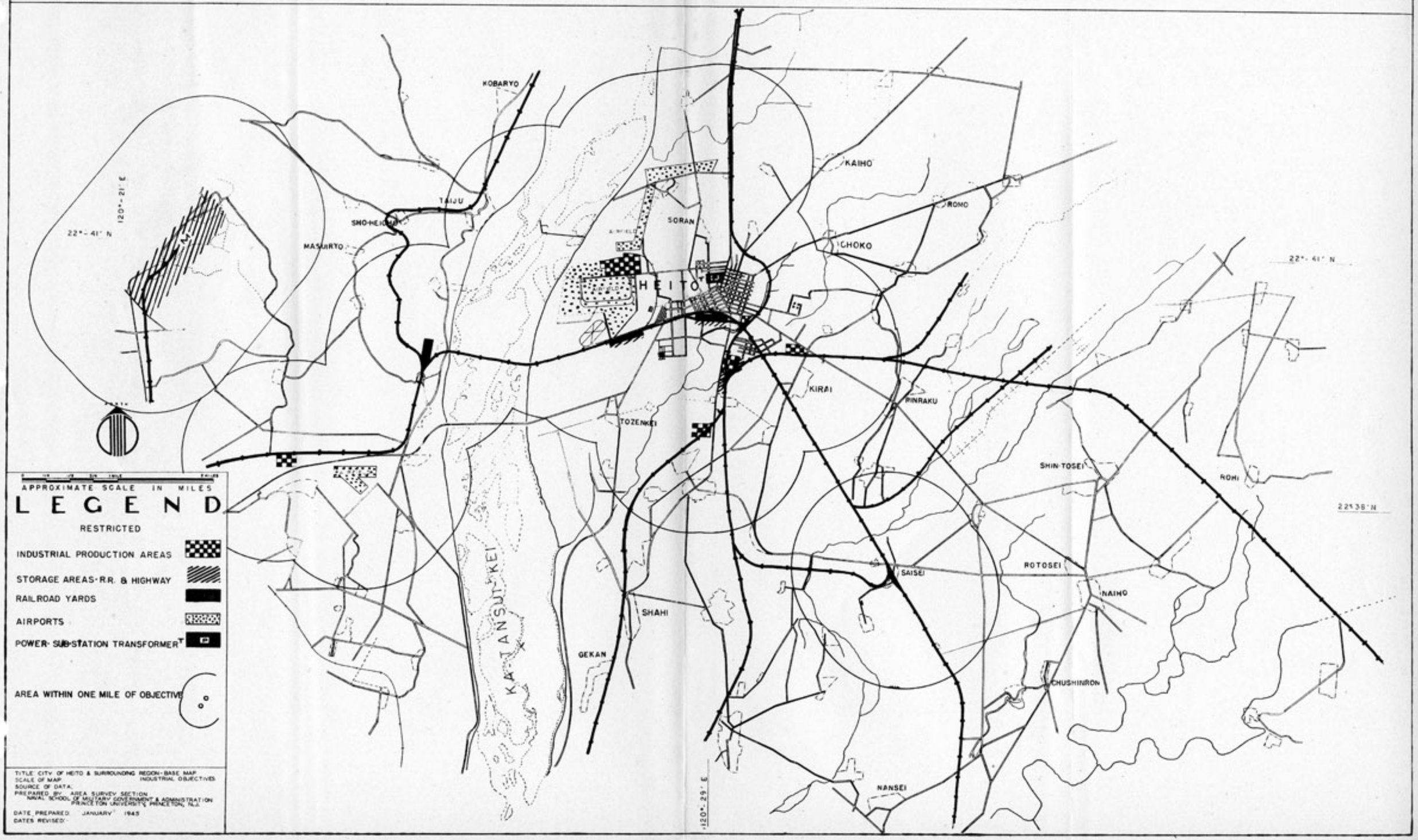
CITY OF HEITO, TAIWAN AND SURROUNDING REGION - BASE MAP
TOPOGRAPHY AND DRAINAGE



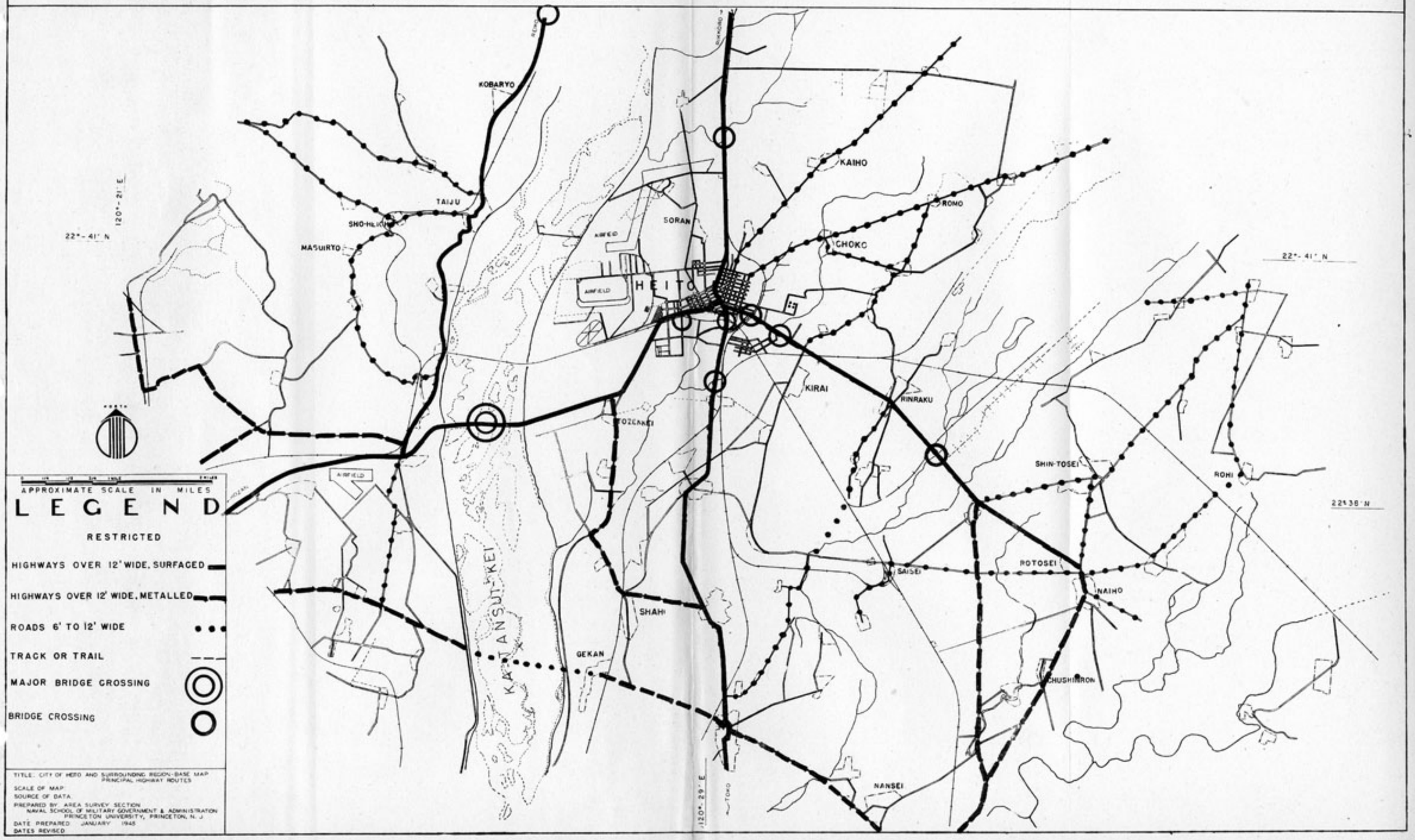
CITY OF HEITO, TAIWAN AND SURROUNDING REGION - BASE MAP
URBAN RESIDENTIAL AREAS & MILITARY BARRACKS



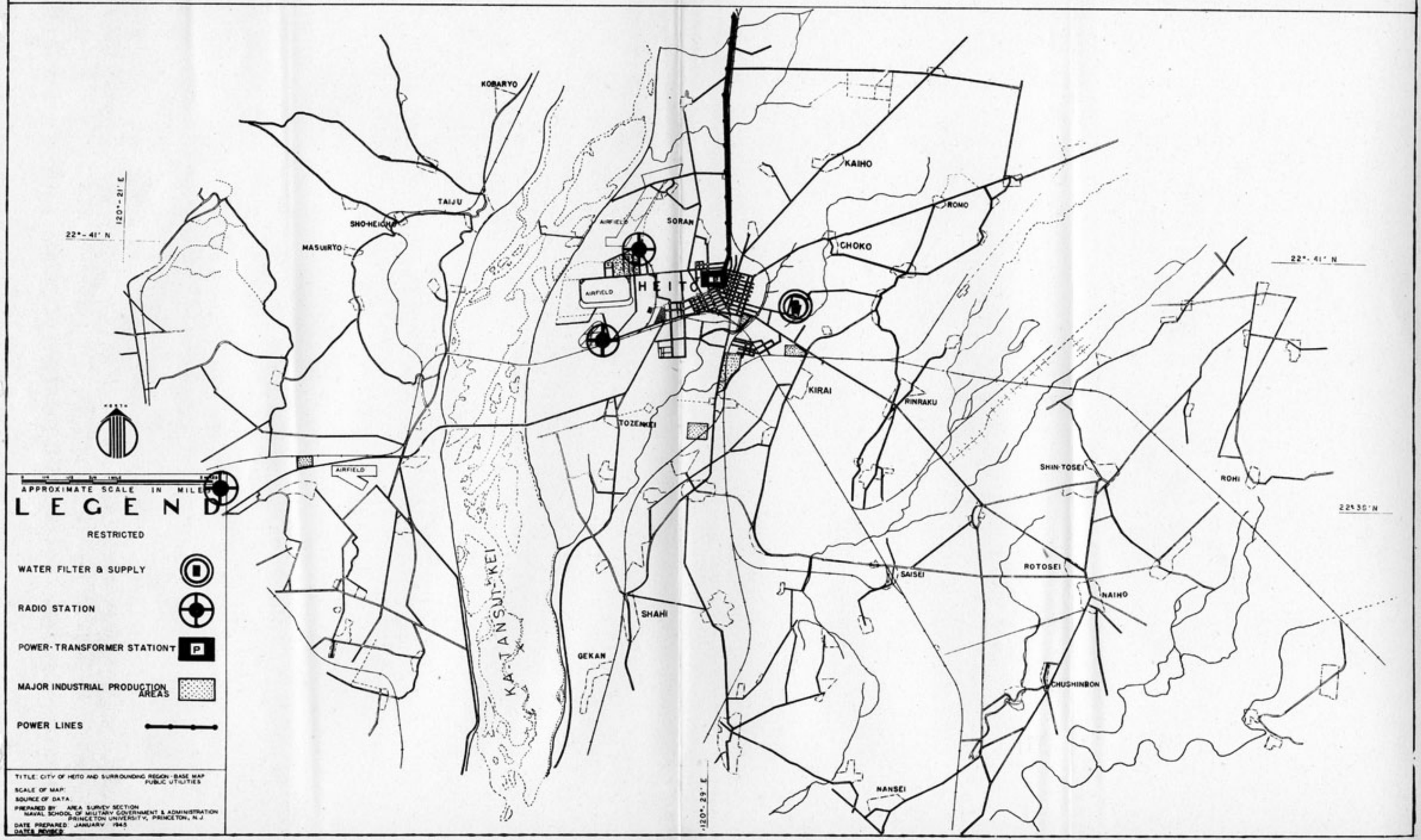
CITY OF HEITO, TAIWAN AND SURROUNDING REGION - BASE MAP
INDUSTRIAL OBJECTIVES



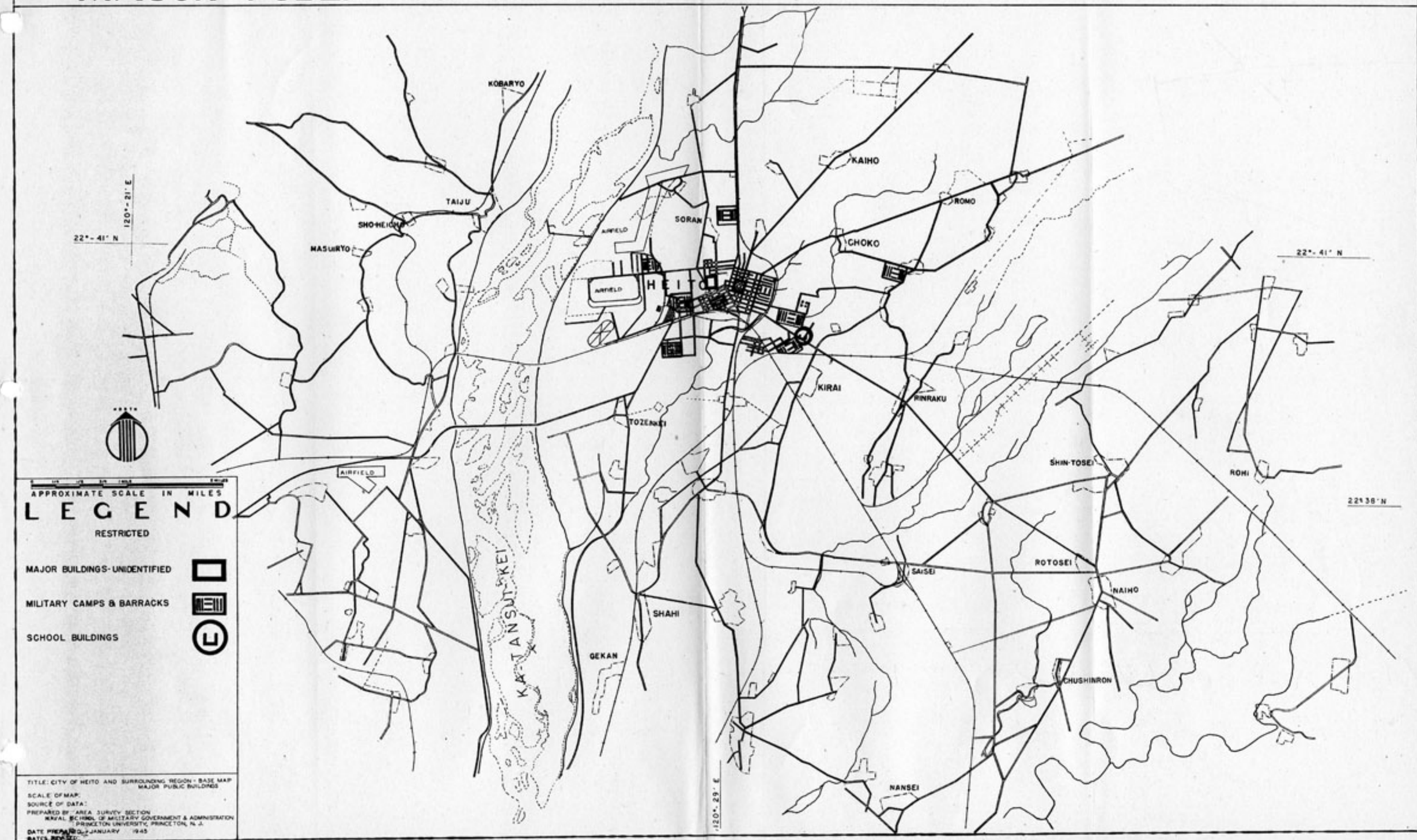
CITY OF HEITO, TAIWAN AND SURROUNDING REGION - BASE MAP
PRINCIPAL HIGHWAY ROUTES



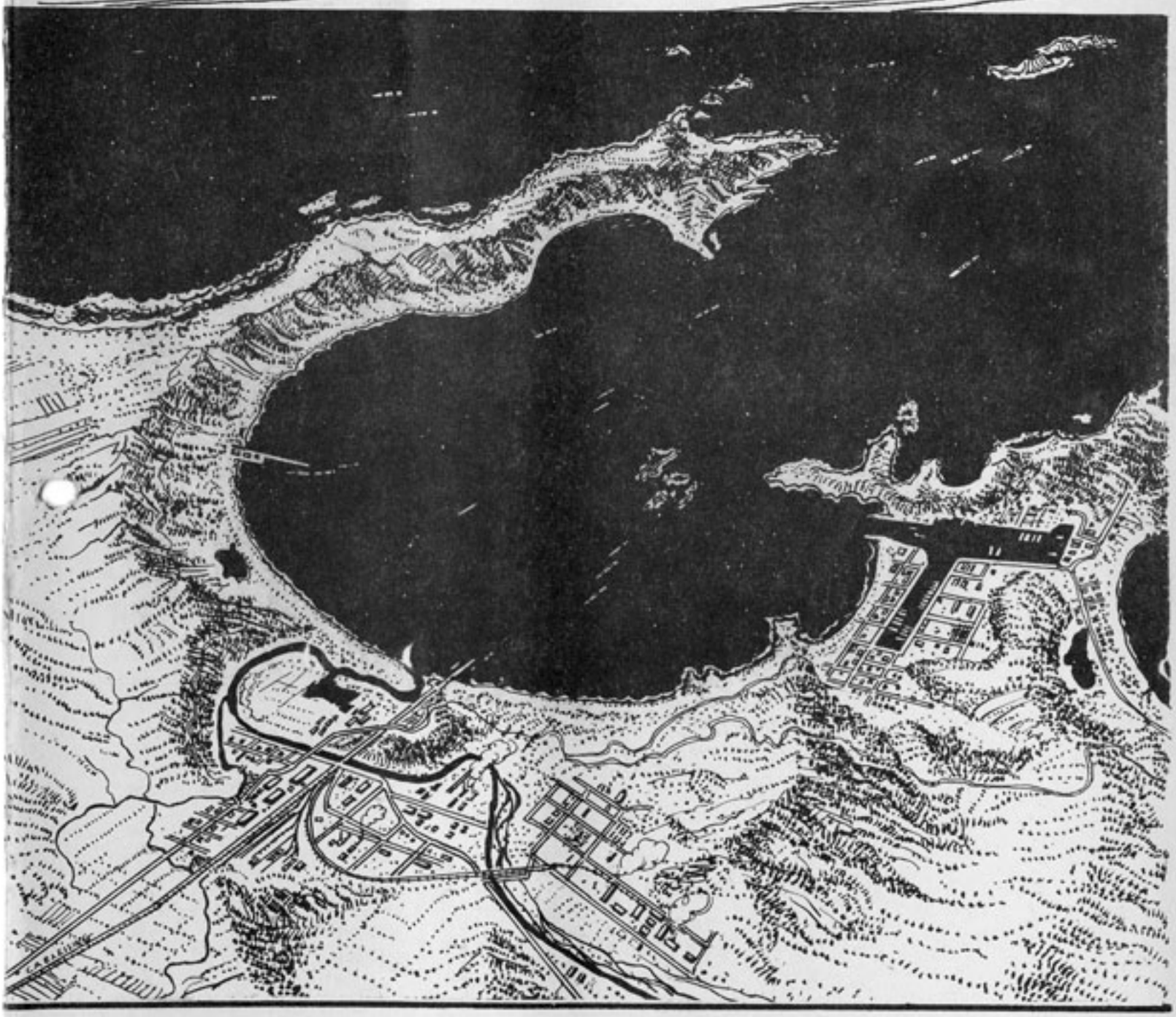
CITY OF HEITO, TAIWAN AND SURROUNDING REGION - BASE MAP
PUBLIC UTILITIES



CITY OF HEITO, TAIWAN AND SURROUNDING REGION - BASE MAP
MAJOR PUBLIC BUILDINGS

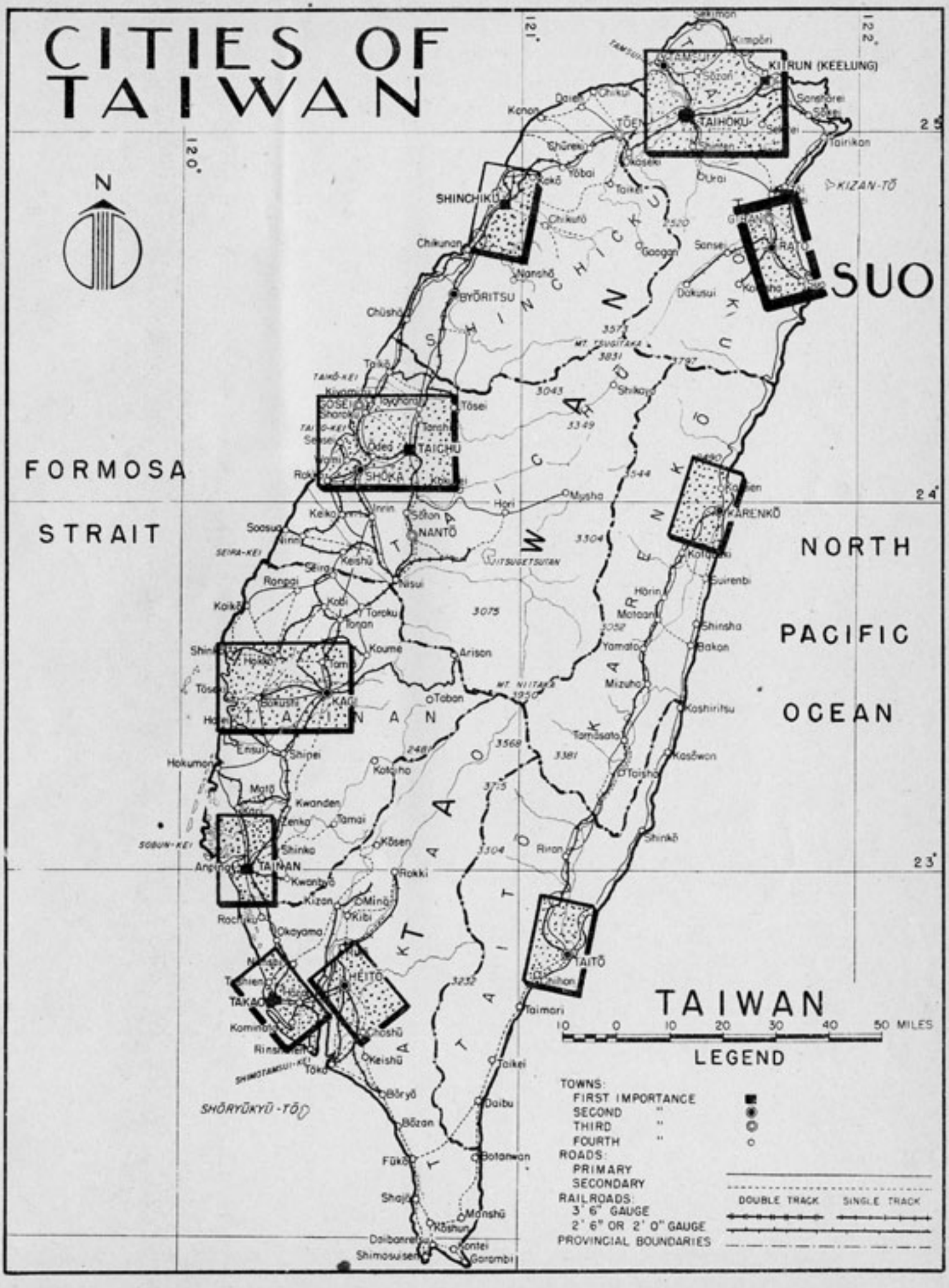


SUO

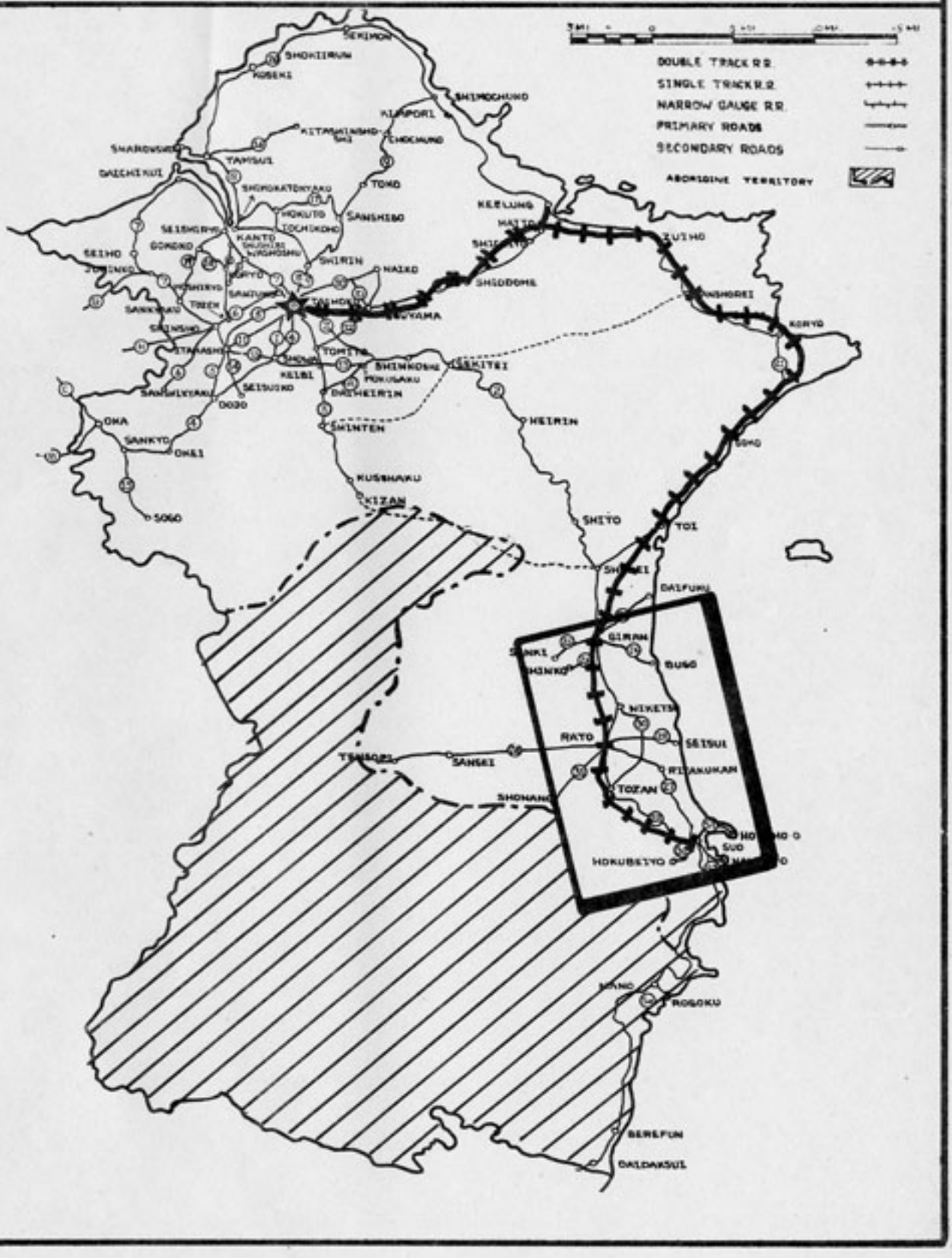


A GRAPHIC SURVEY

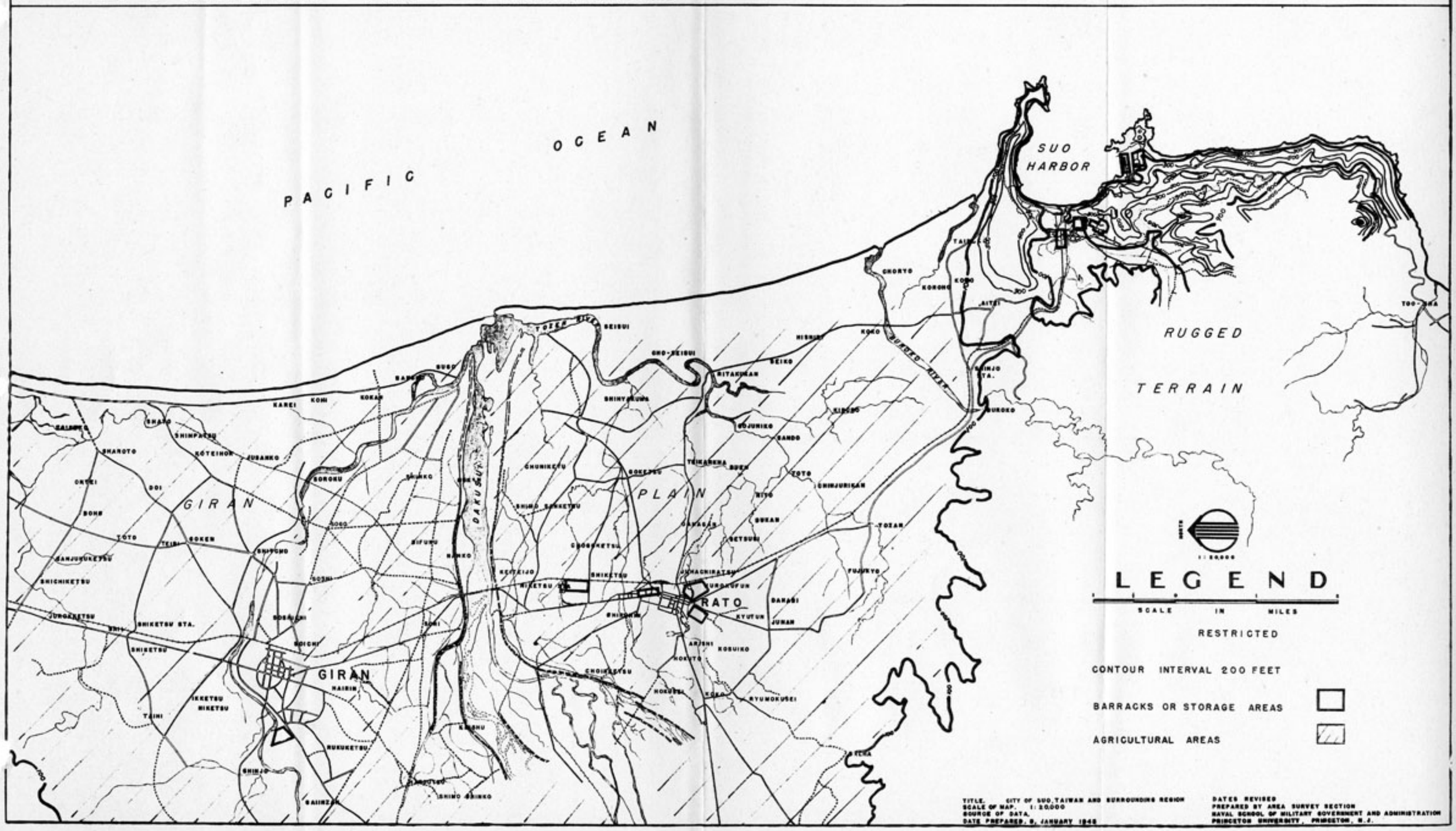
FOR CIVIL AFFAIRS OFFICERS


CITIES OF TAIWAN
N
FORMOSA STRAIT
NORTH PACIFIC OCEAN
SUO
TAIWAN
KITRUN (KEELUNG)
TAIHOKU
TOEN
SHINCHIKU
BYŌRITSU
GOSEI
TAICHU
SHŌKA
NANTŌ
KAGI
TAINAN
TAKAO
HEITŌ
TAITŌ
KARENKŌ
KIZAN-TŌ
SHŌRYŪKYŪ-TŌ
MT. TSUGITAKA
MT. NIITAKA
JITSUGETSUTAN
SEIRA-KEI
SOBUN-KEI
SHIMOTAMSUI-KEI
TAIKŌ-KEI
TAIHŌKU
TAITŌKU
TAICHŪ
TAINAN
TAKAO
TAITŌ
TAIWAN
10 0 10 20 30 40 50 MILES
LEGEND
TOWNS:
FIRST IMPORTANCE
SECOND "
THIRD "
FOURTH "
ROADS:
PRIMARY
SECONDARY
RAILROADS:
3' 6" GAUGE
2' 6" OR 2' 0" GAUGE
PROVINCIAL BOUNDARIES
DOUBLE TRACK
SINGLE TRACK

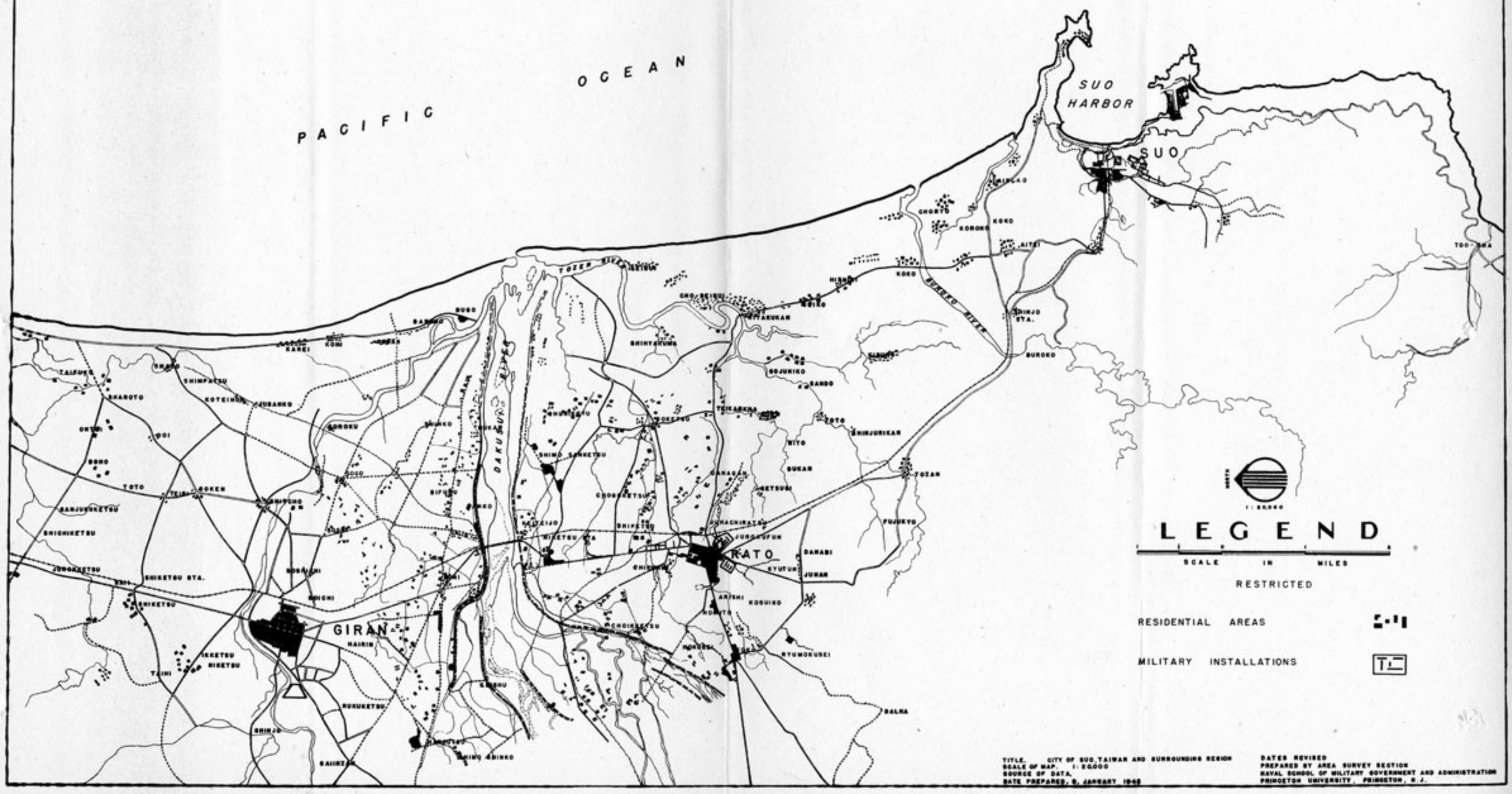
CITY OF SUO AND SURROUNDING REGION IN RELATION TO TAIHOKU PROVINCE



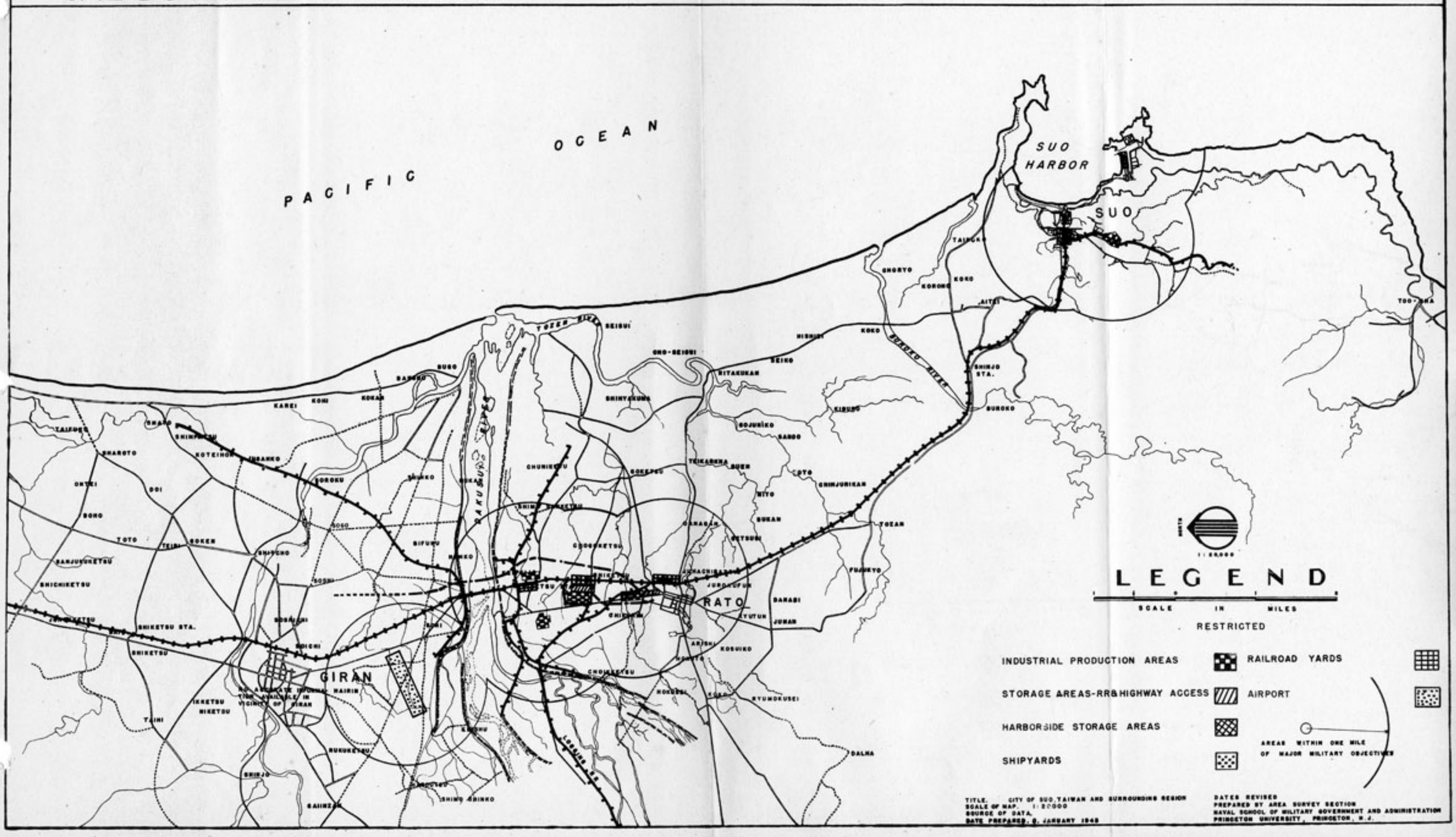
CITY OF SUO, TAIWAN AND SURROUNDING REGION - BASE MAP
TOPOGRAPHY AND DRAINAGE



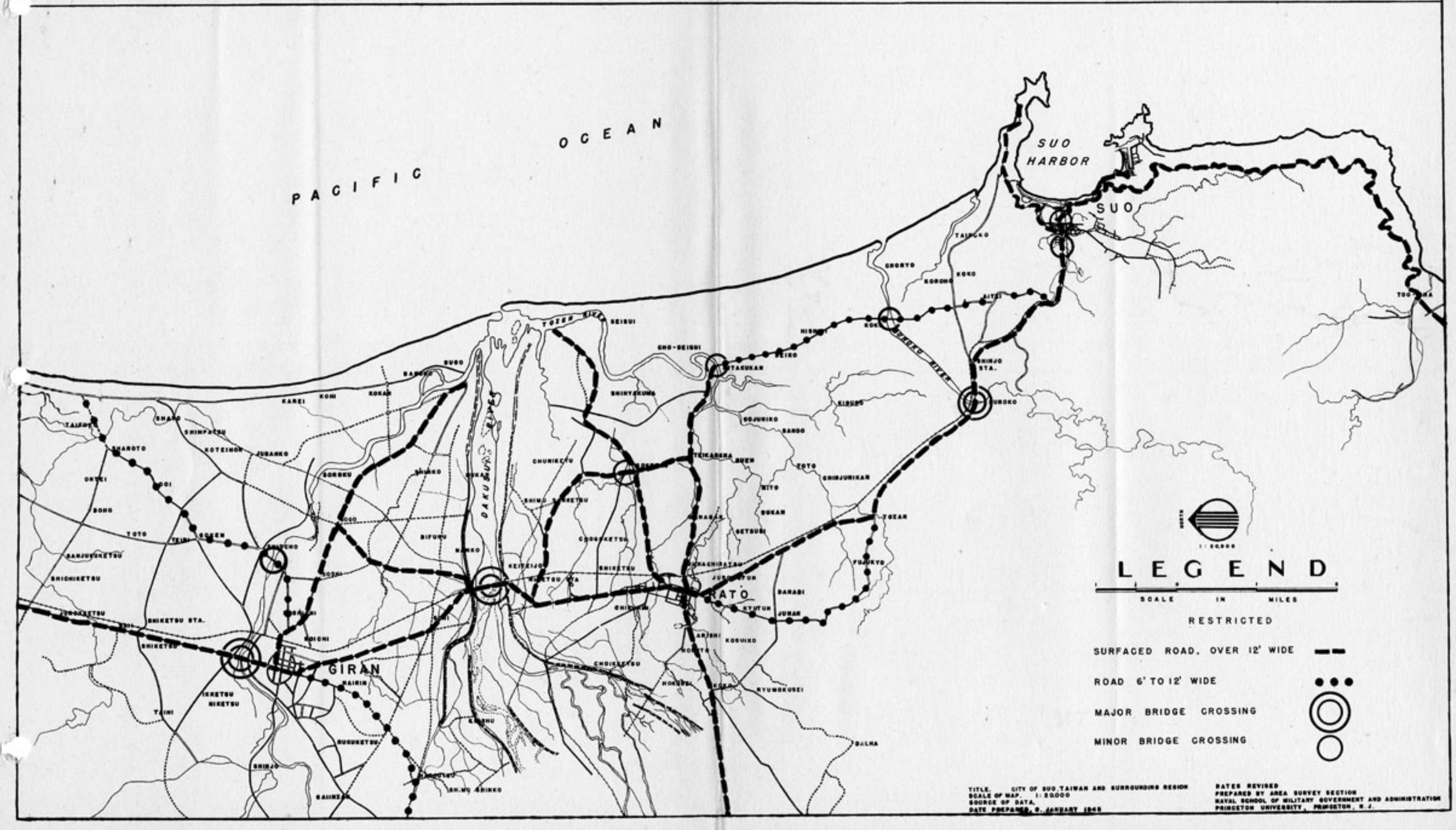
CITY OF SUO, TAIWAN AND SURROUNDING REGION - BASE MAP
URBAN RESIDENTIAL AREAS AND MILITARY BARRACKS



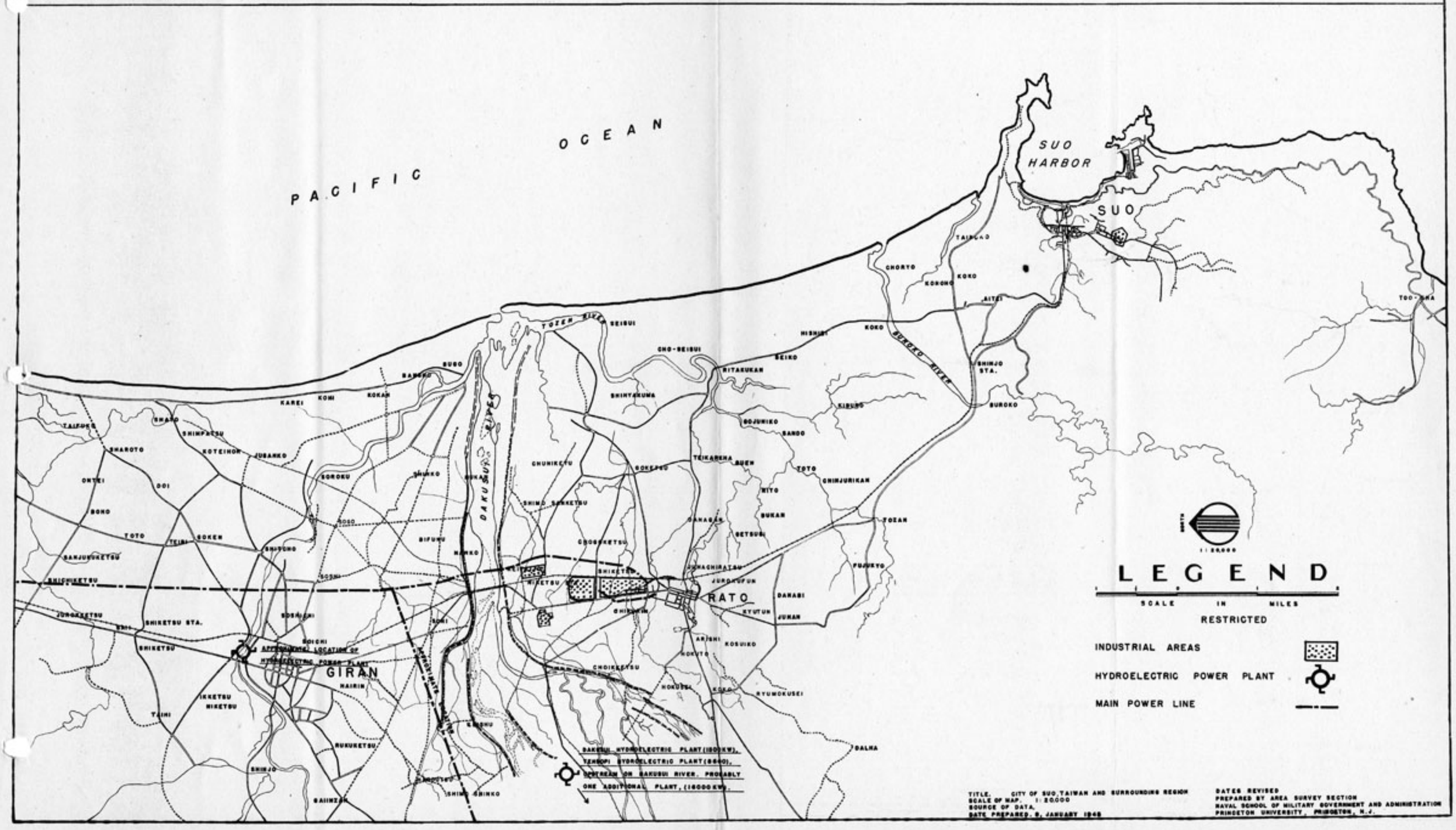
CITY OF SUO, TAIWAN AND SURROUNDING REGION · BASE MAP
INDUSTRIAL OBJECTIVES



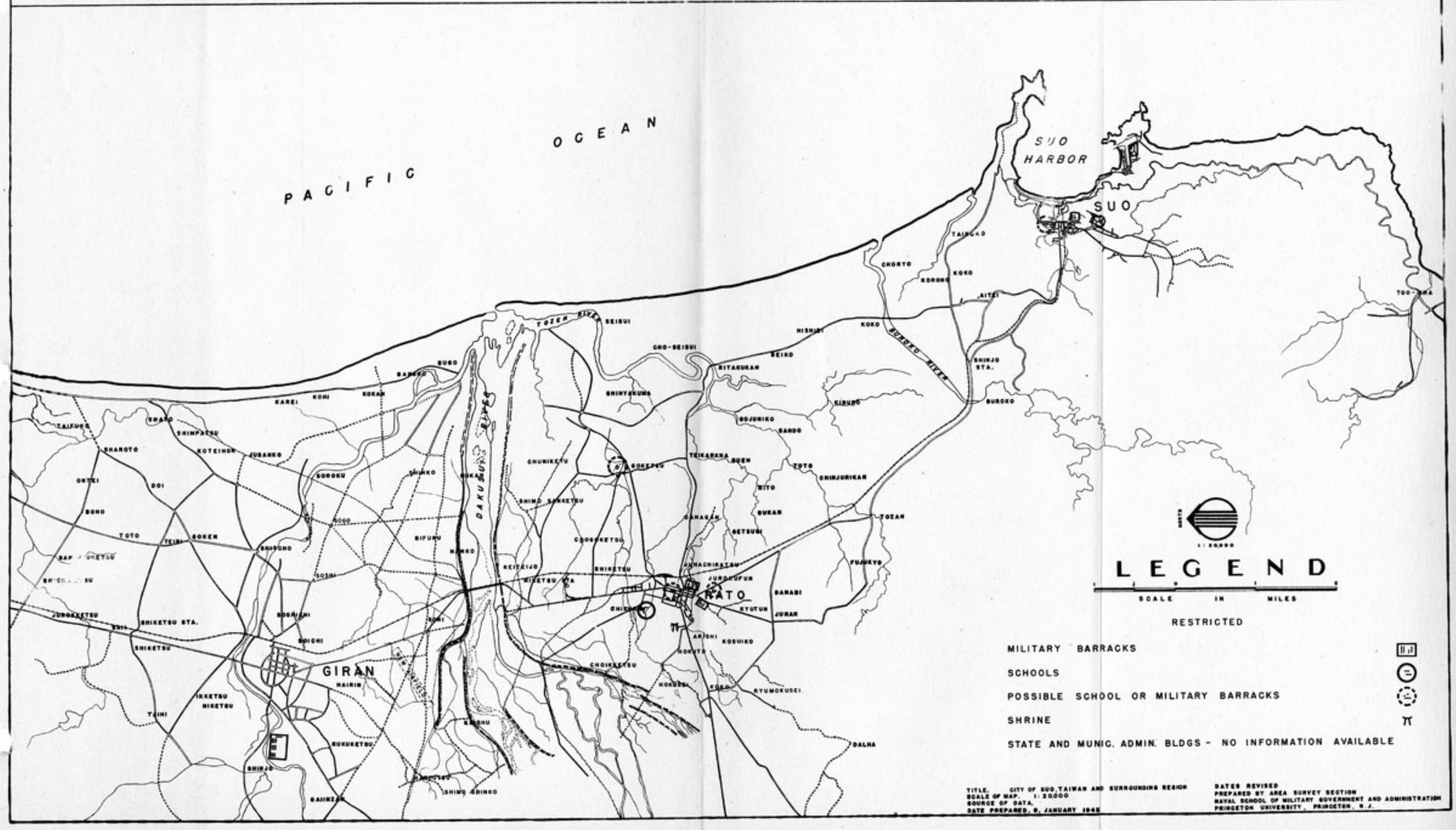
CITY OF SUO, TAIWAN AND SURROUNDING REGION - BASE MAP
PRINCIPAL HIGHWAY ROUTES



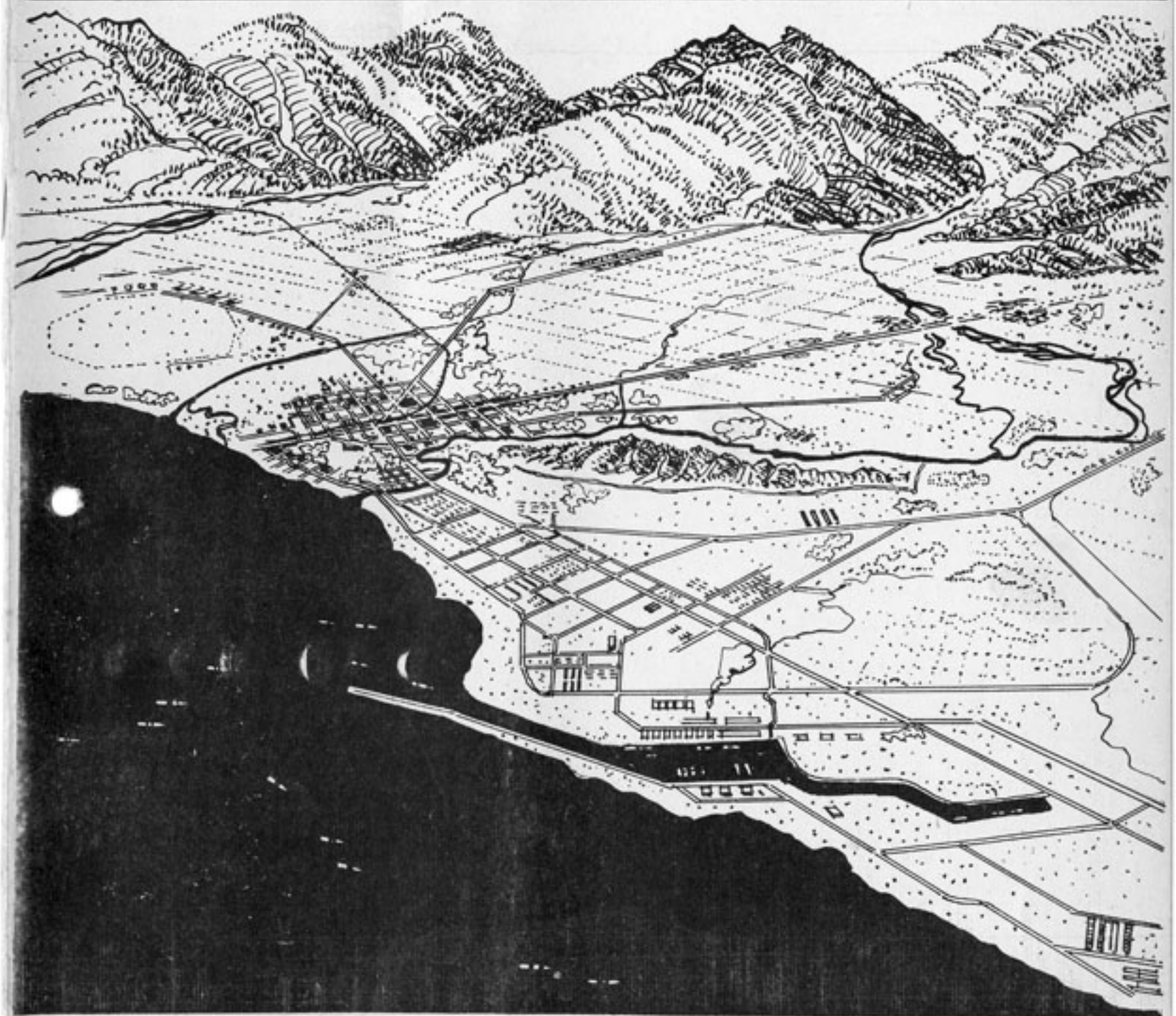
CITY OF SUO, TAIWAN AND SURROUNDING REGION - BASE MAP
PUBLIC UTILITIES



CITY OF SUO, TAIWAN AND SURROUNDING REGION - BASE MAP
MAJOR PUBLIC BUILDINGS

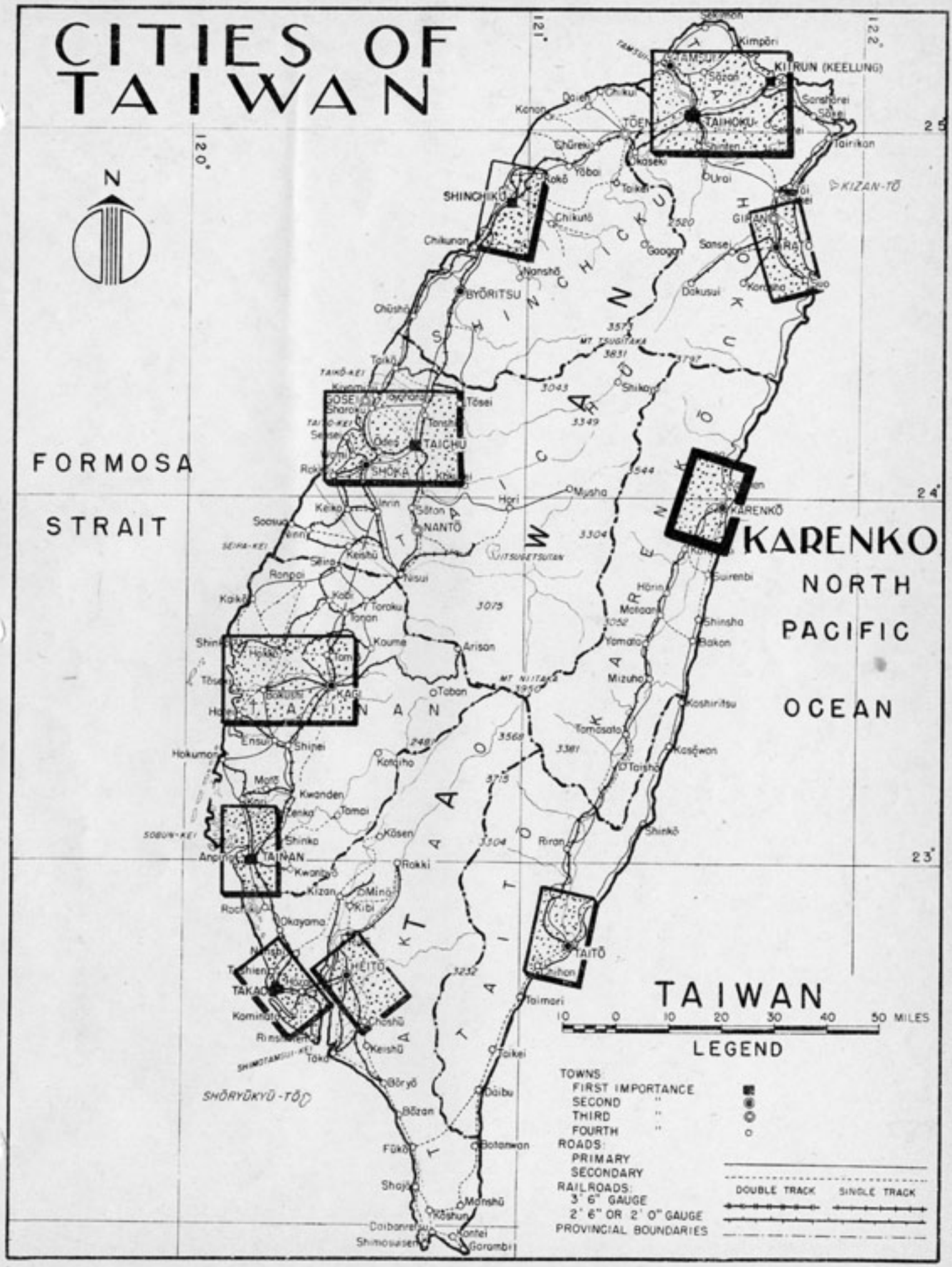


KARENKO

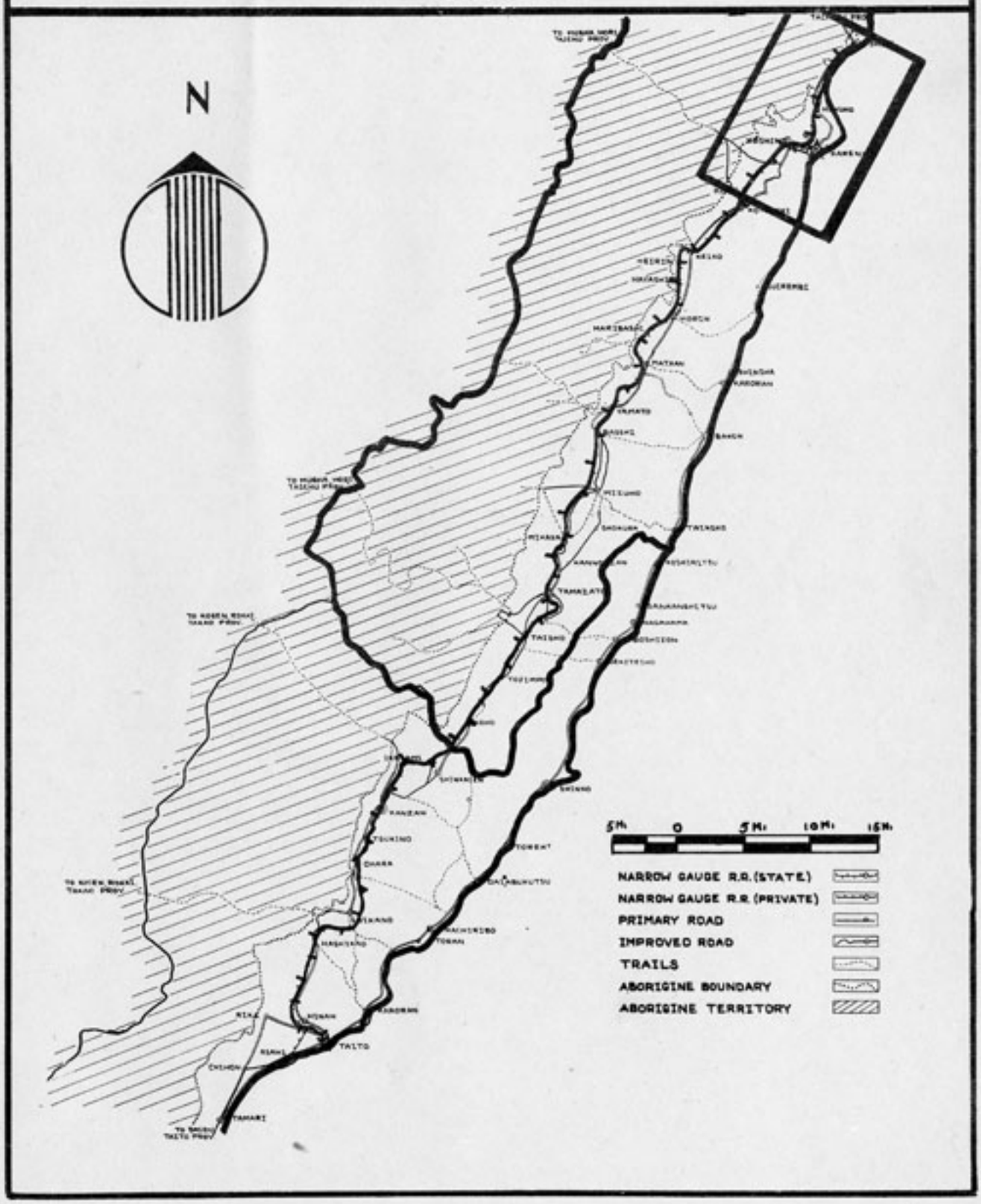


A GRAPHIC SURVEY

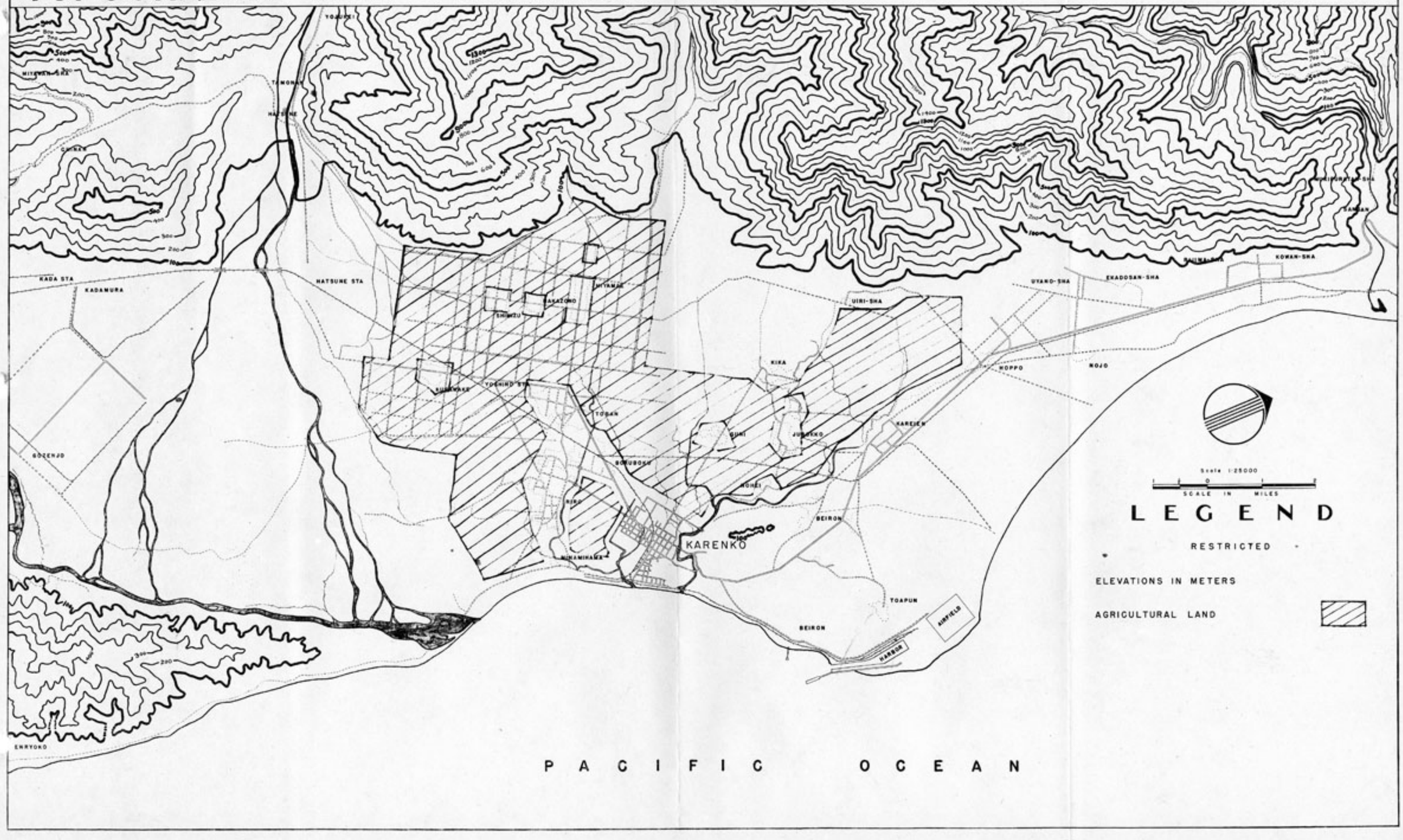
FOR CIVIL AFFAIRS OFFICERS


CITIES OF TAIWAN
N
FORMOSA STRAIT
KARENKO NORTH PACIFIC OCEAN
TAIWAN
TAMSUI
KITRUN (KEELUNG)
TAIHOKU
TŌEN
SHINCHIKU
BYŌRITSU
GIRAN
RATŌ
GOSEI
TAICHU
SHŌKA
NANTŌ
KARENKŌ
KAGI
TAINAN
HEITŌ
TAKAO
TAITŌ
KIZAN-TŌ
SHŌRYŪKYŪ-TŌ
MT TSUGITAKA
MT NIITAKA
10 0 10 20 30 40 50 MILES
LEGEND
TOWNS
FIRST IMPORTANCE
SECOND "
THIRD "
FOURTH "
ROADS:
PRIMARY
SECONDARY
RAILROADS:
3' 6" GAUGE
2' 6" OR 2' 0" GAUGE
PROVINCIAL BOUNDARIES
DOUBLE TRACK
SINGLE TRACK

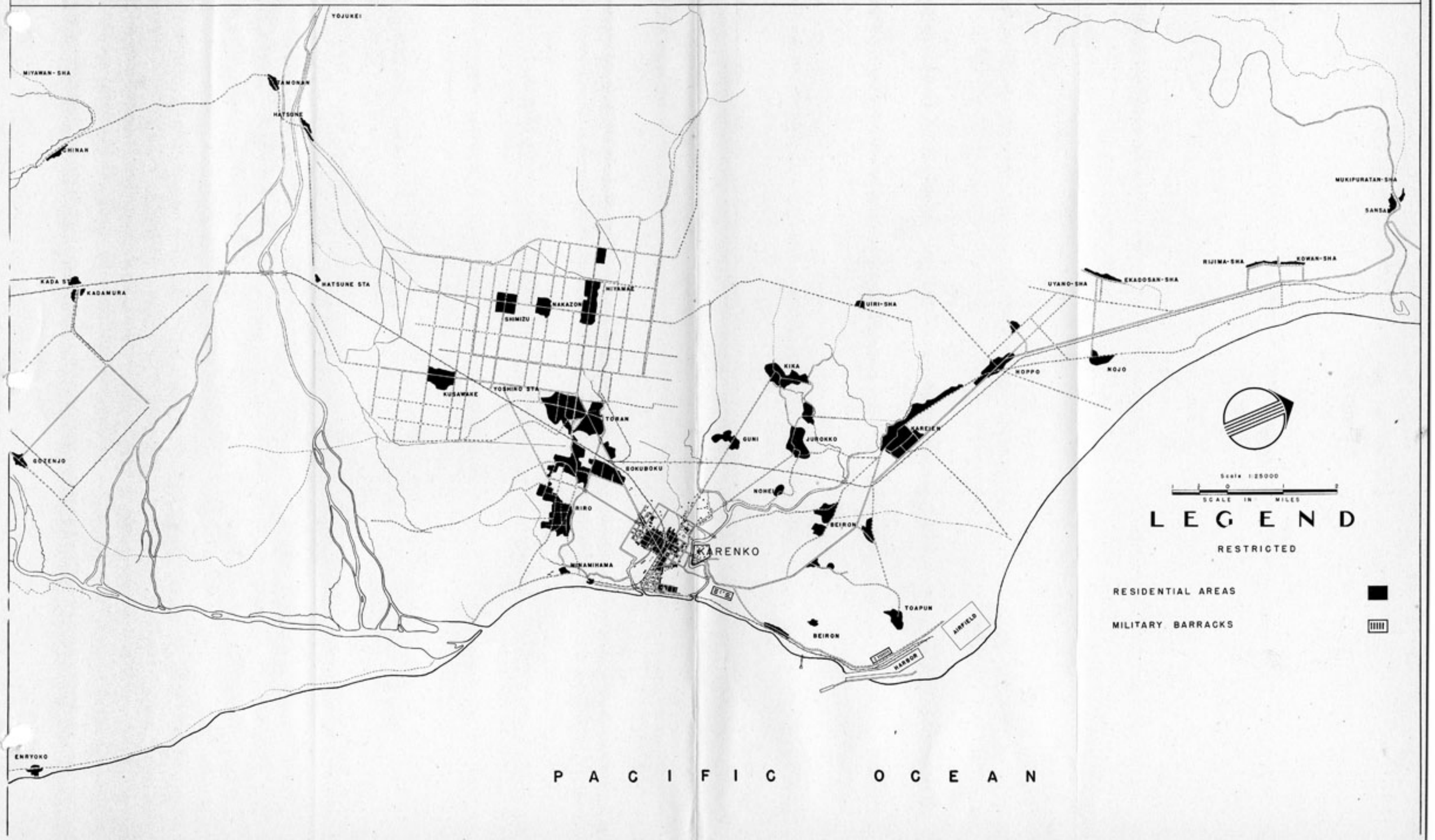
CITY OF KARENKO AND SURROUNDING REGION IN RELATION TO KARENKO PROVINCE



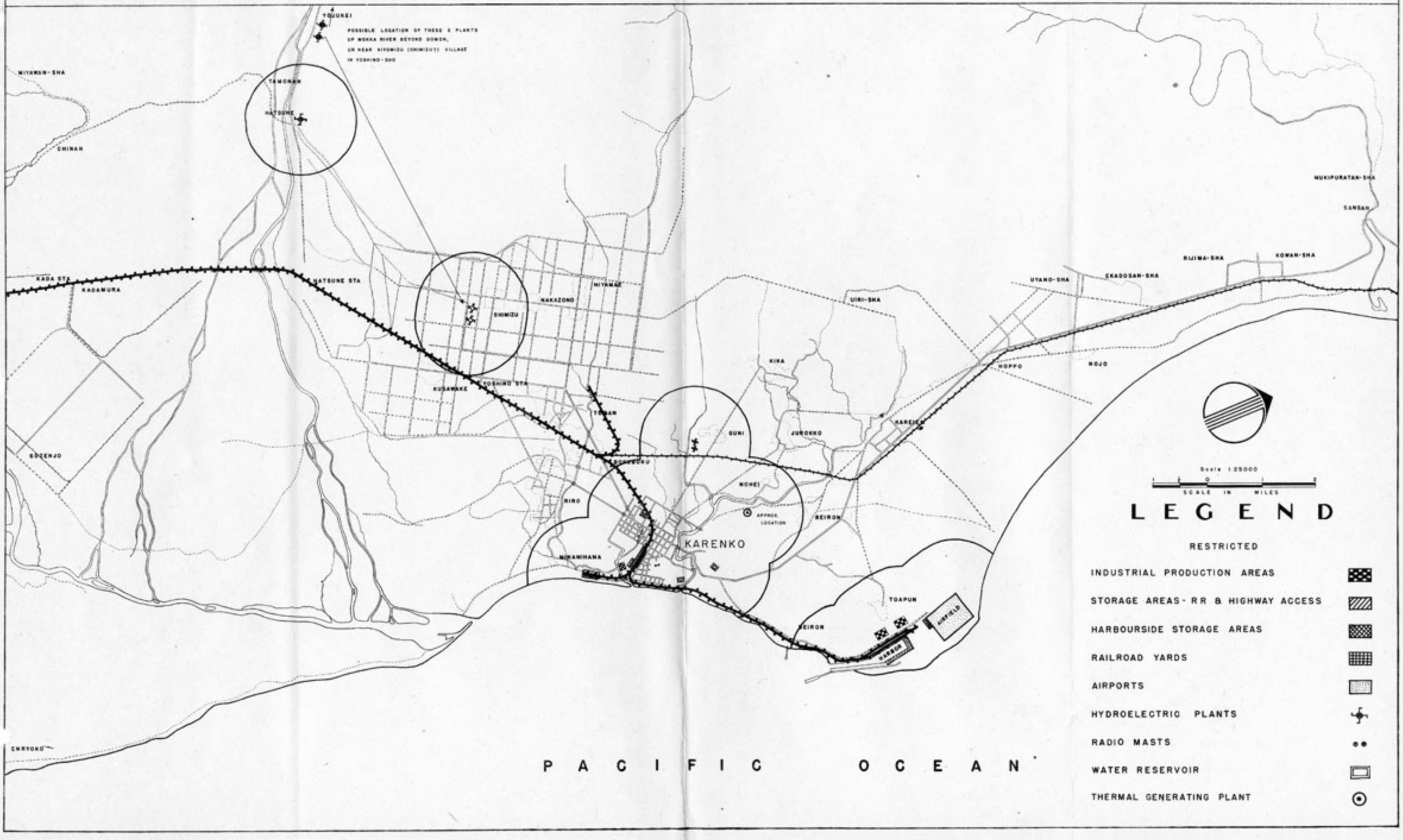
CITY OF KARENKO, TAIWAN AND SURROUNDING REGION - BASE MAP
TOPOGRAPHY AND DRAINAGE



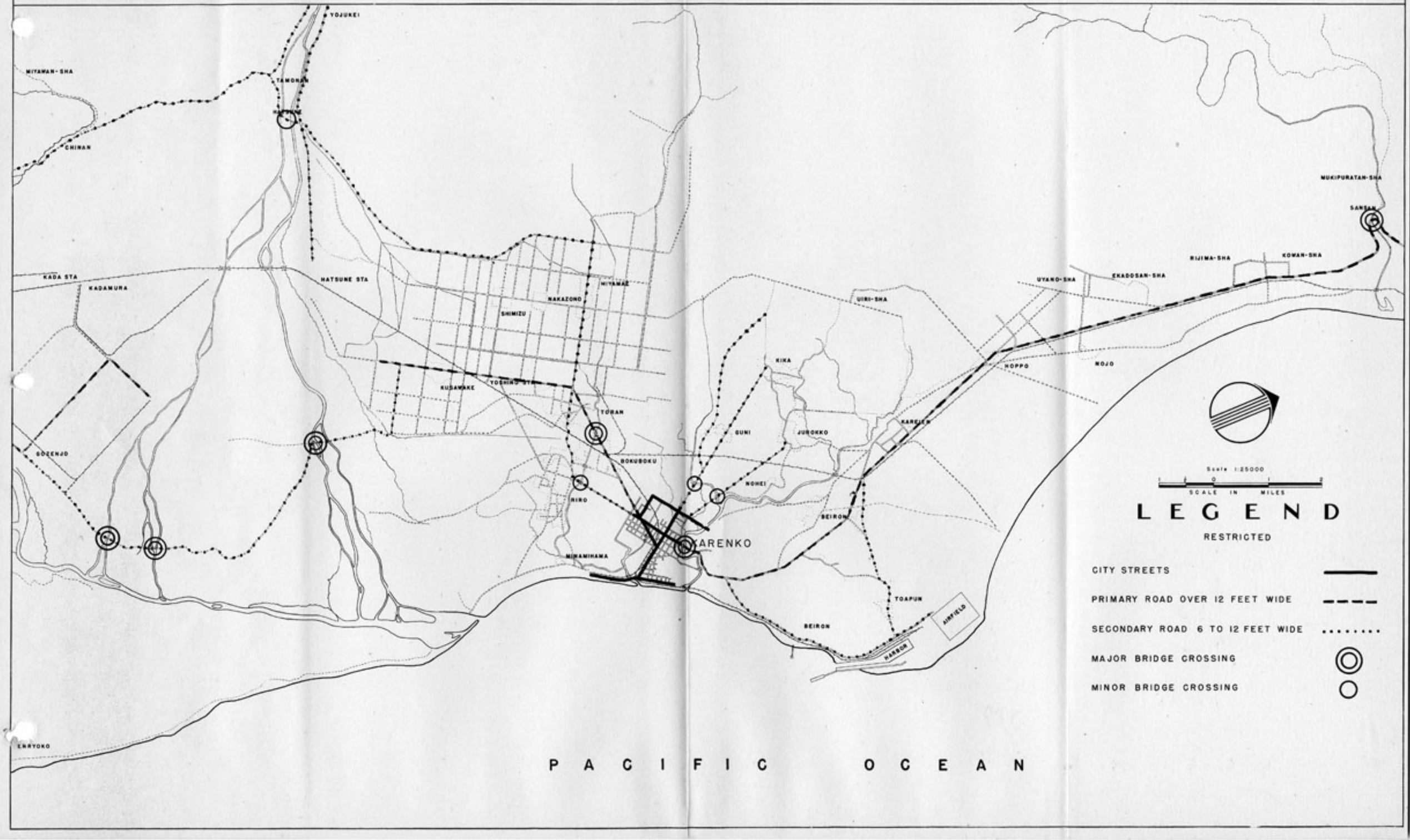
CITY OF KARENKO, TAIWAN AND SURROUNDING REGION - BASE MAP
URBAN RESIDENTIAL AREAS AND MILITARY BARRACKS



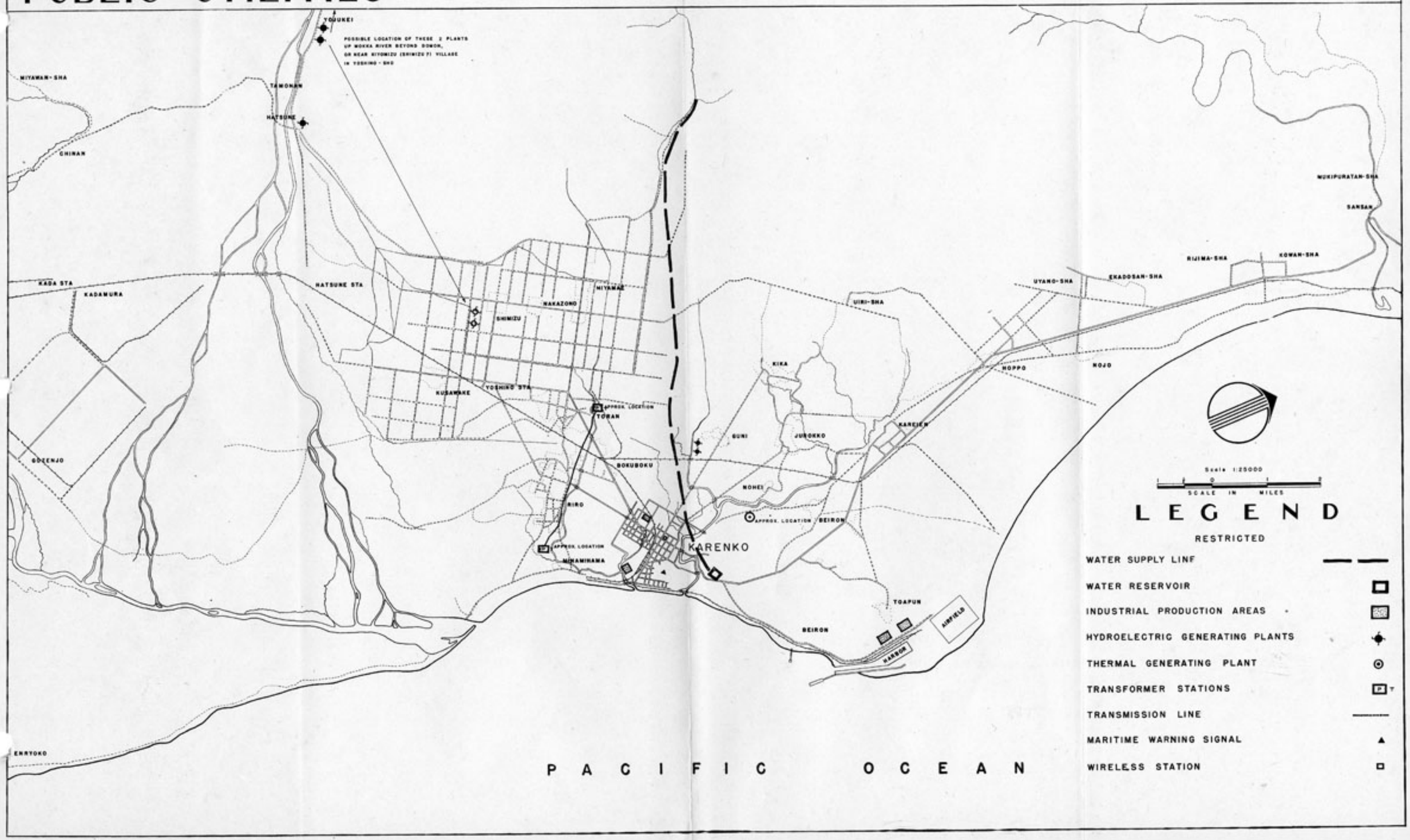
CITY OF KARENKO, TAIWAN AND SURROUNDING REGION - BASE MAP
INDUSTRIAL AREAS



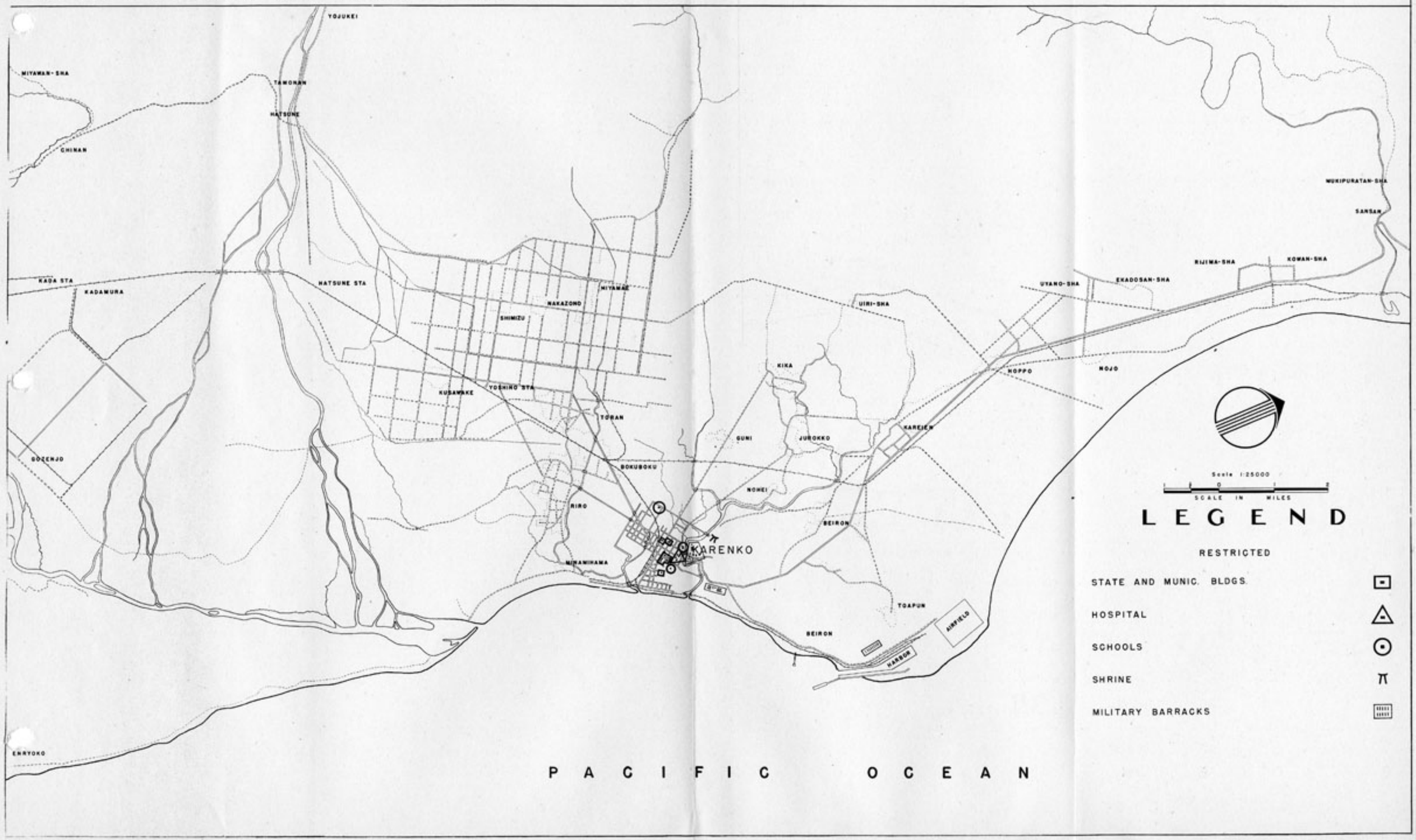
CITY OF KARENKO, TAIWAN AND SURROUNDING REGION - BASE MAP
PRINCIPAL HIGHWAY ROUTES



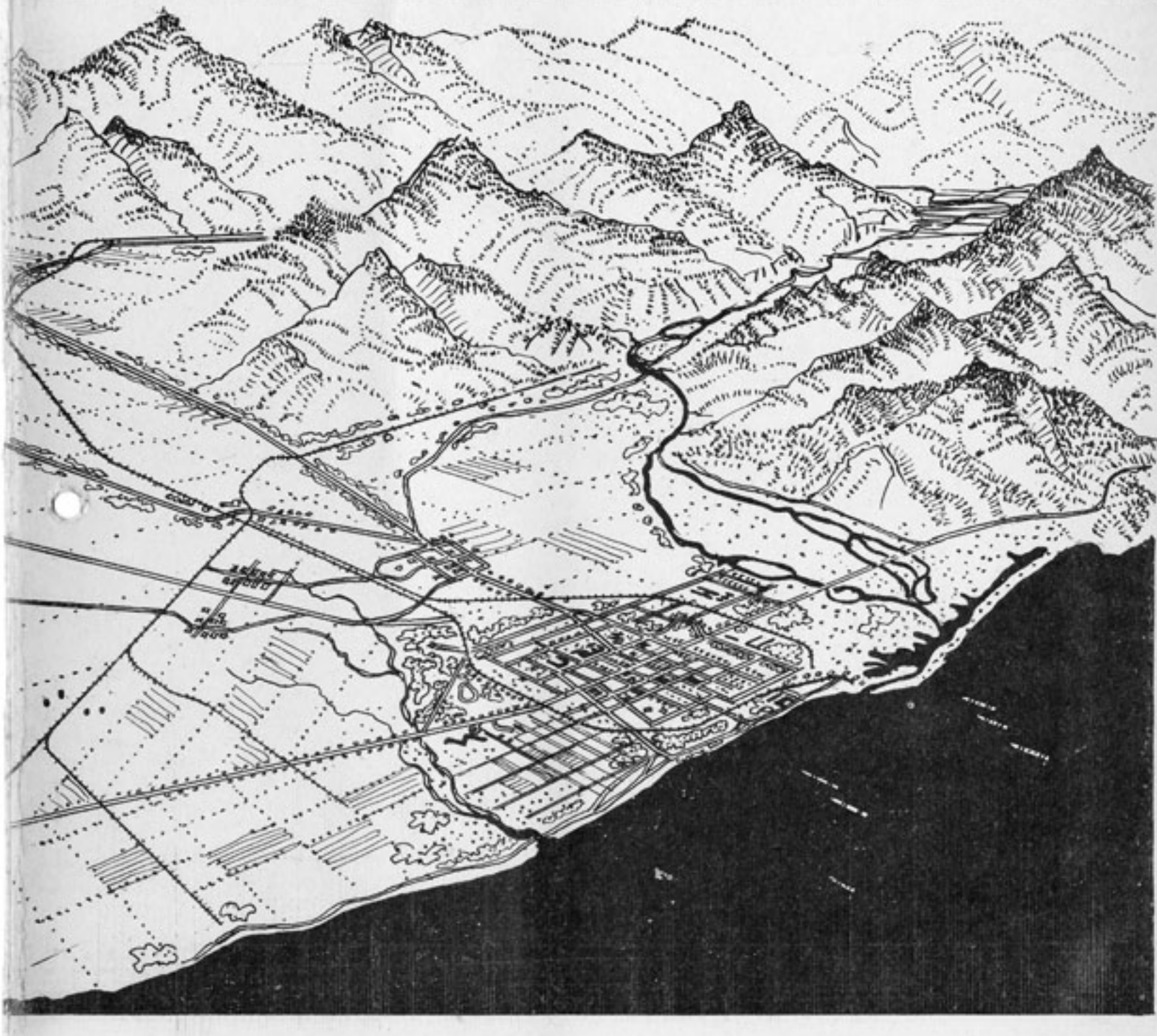
CITY OF KARENKO, TAIWAN AND SURROUNDING REGION - BASE MAP
PUBLIC UTILITIES



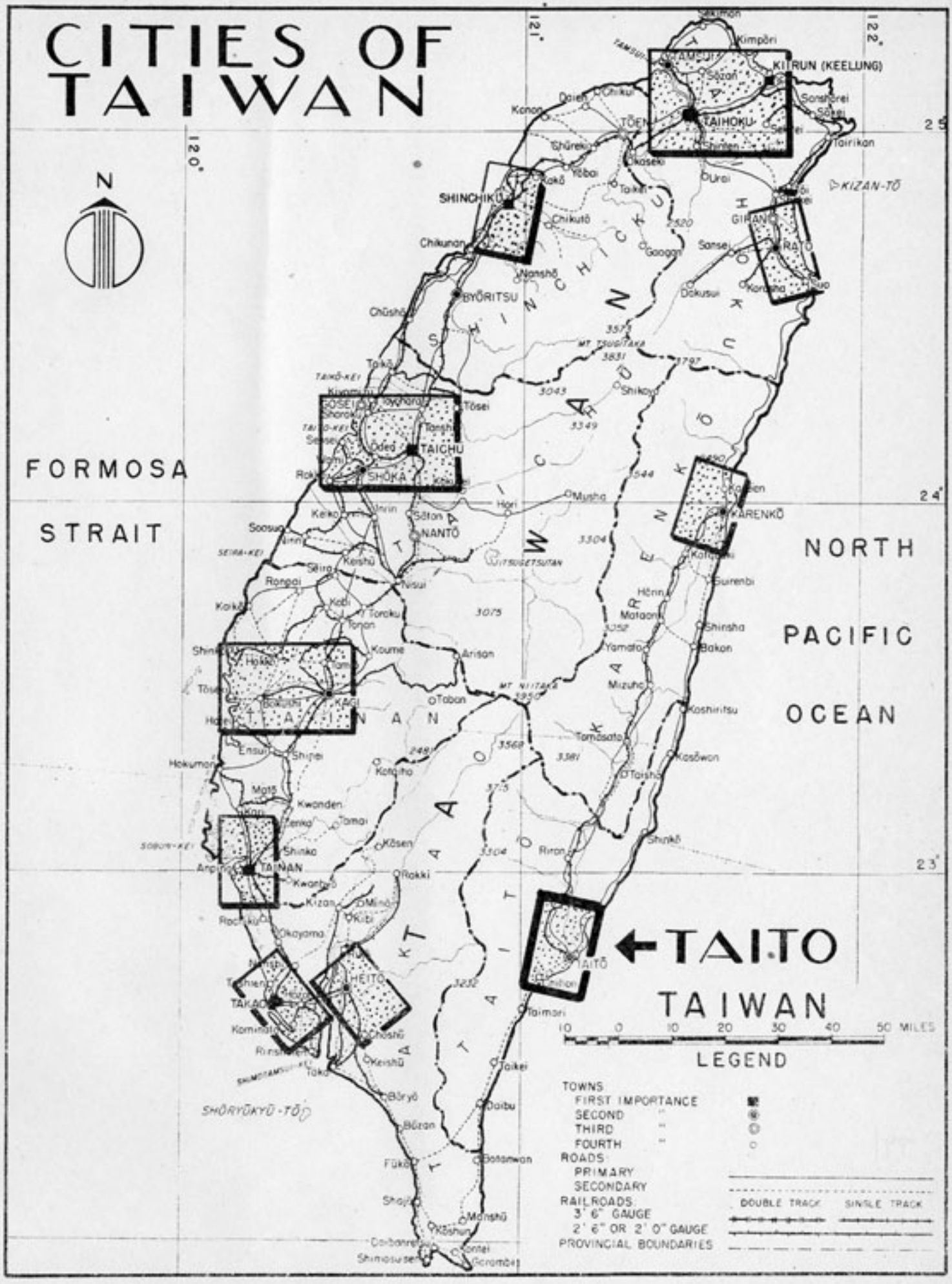
CITY OF KARENKO, TAIWAN AND SURROUNDING REGION - BASE MAP
MAJOR PUBLIC BUILDINGS



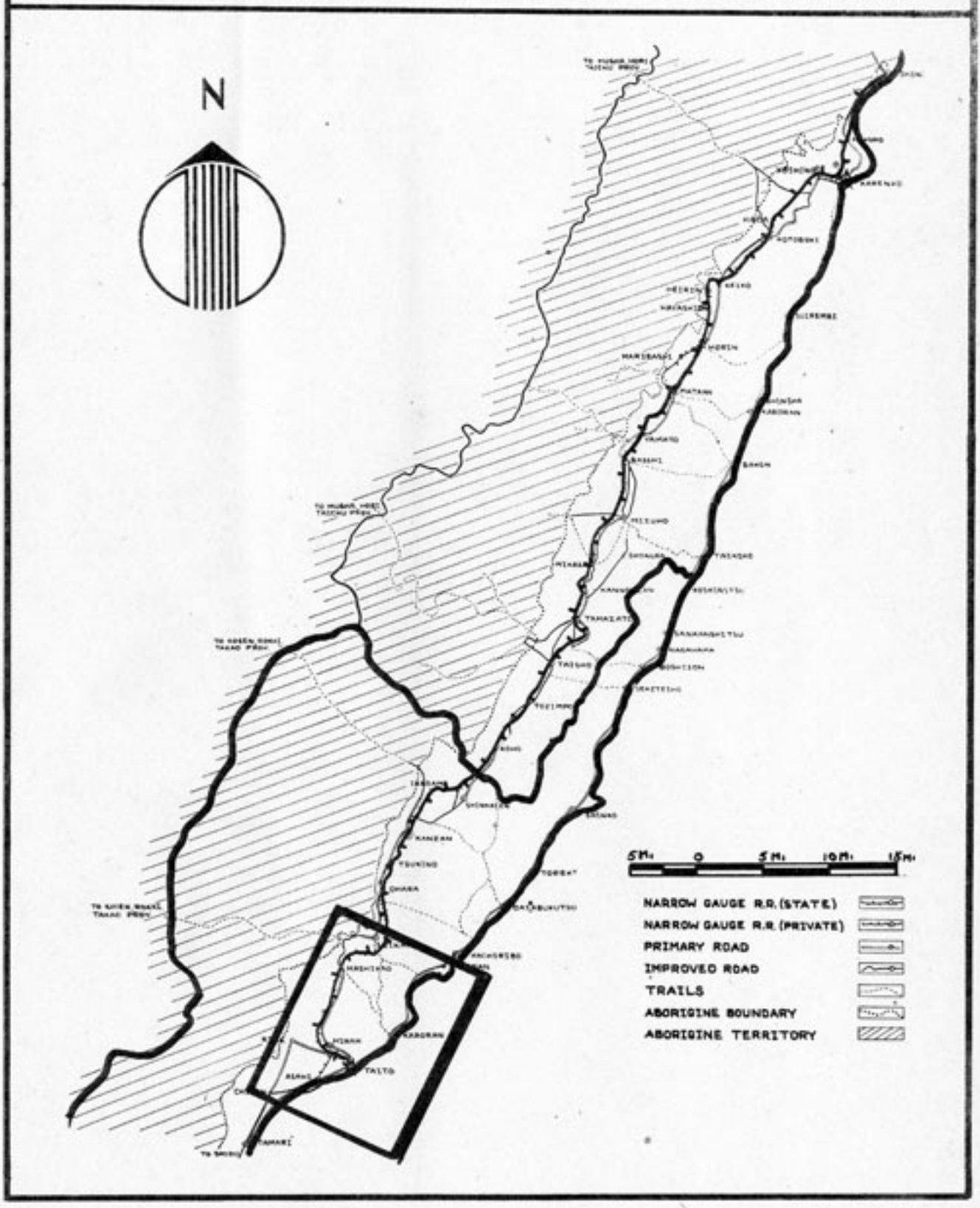
TAITO



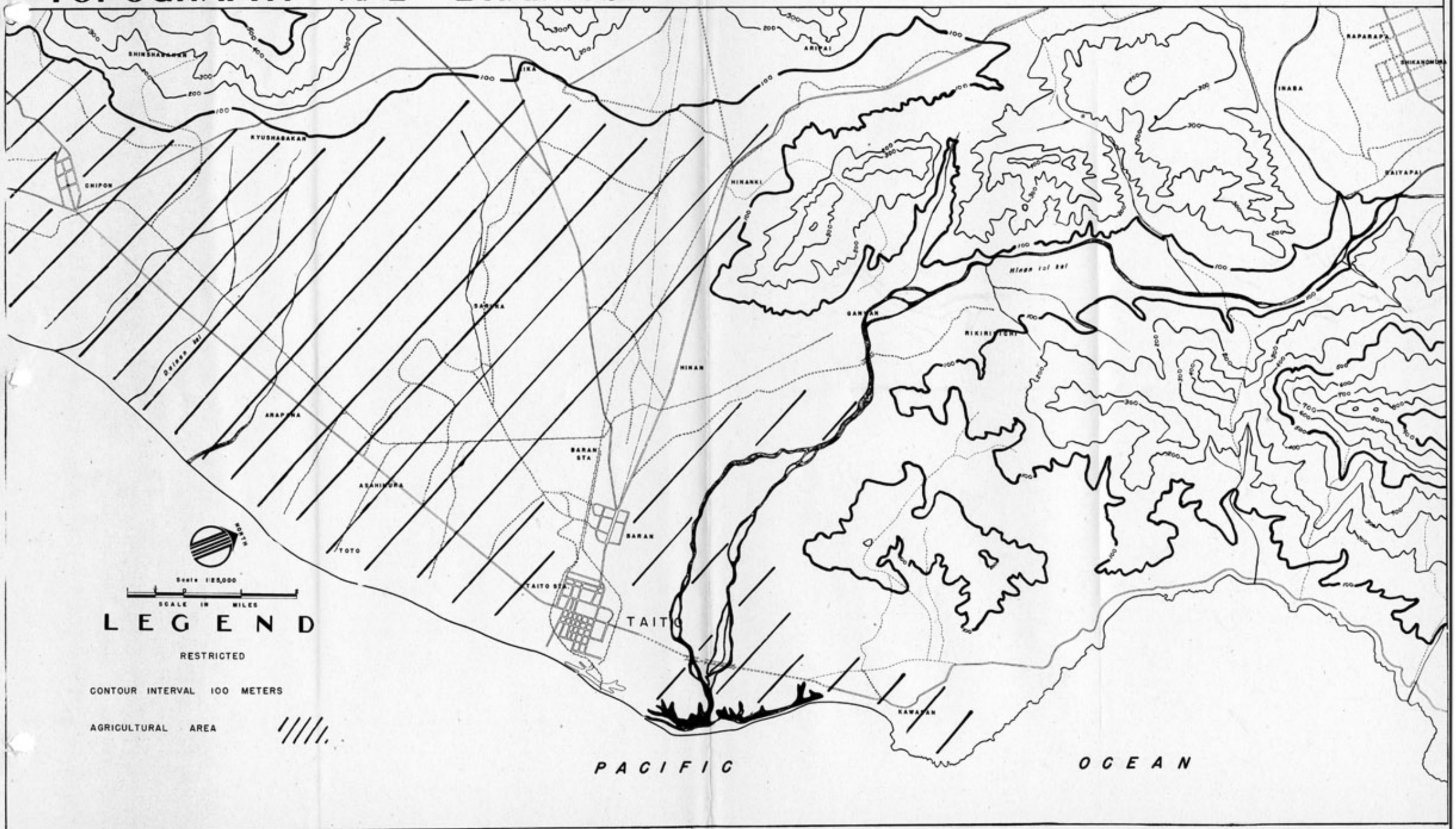
A GRAPHIC SURVEY
FOR CIVIL AFFAIRS OFFICERS


CITIES OF TAIWAN
N
FORMOSA STRAIT
NORTH PACIFIC OCEAN
TAITO
TAIWAN
TAMSUI
KITRUN (KEELUNG)
TAIHOKU
TOEN
SHINCHIKU
BYŌRITSU
GIRAN
RATŌ
TAICHU
SHŌKA
NANTŌ
KARENKŌ
KAGI
TAINAN
HEITŌ
TAKAO
TAITŌ
KIZAN-TŌ
SHŌRYŪKYŪ-TŌ
120°
121°
122°
25°
24°
23°
10 0 10 20 30 40 50 MILES
LEGEND
TOWNS
FIRST IMPORTANCE
SECOND "
THIRD "
FOURTH "
ROADS
PRIMARY
SECONDARY
RAILROADS
3' 6" GAUGE
2' 6" OR 2' 0" GAUGE
PROVINCIAL BOUNDARIES
DOUBLE TRACK
SINGLE TRACK

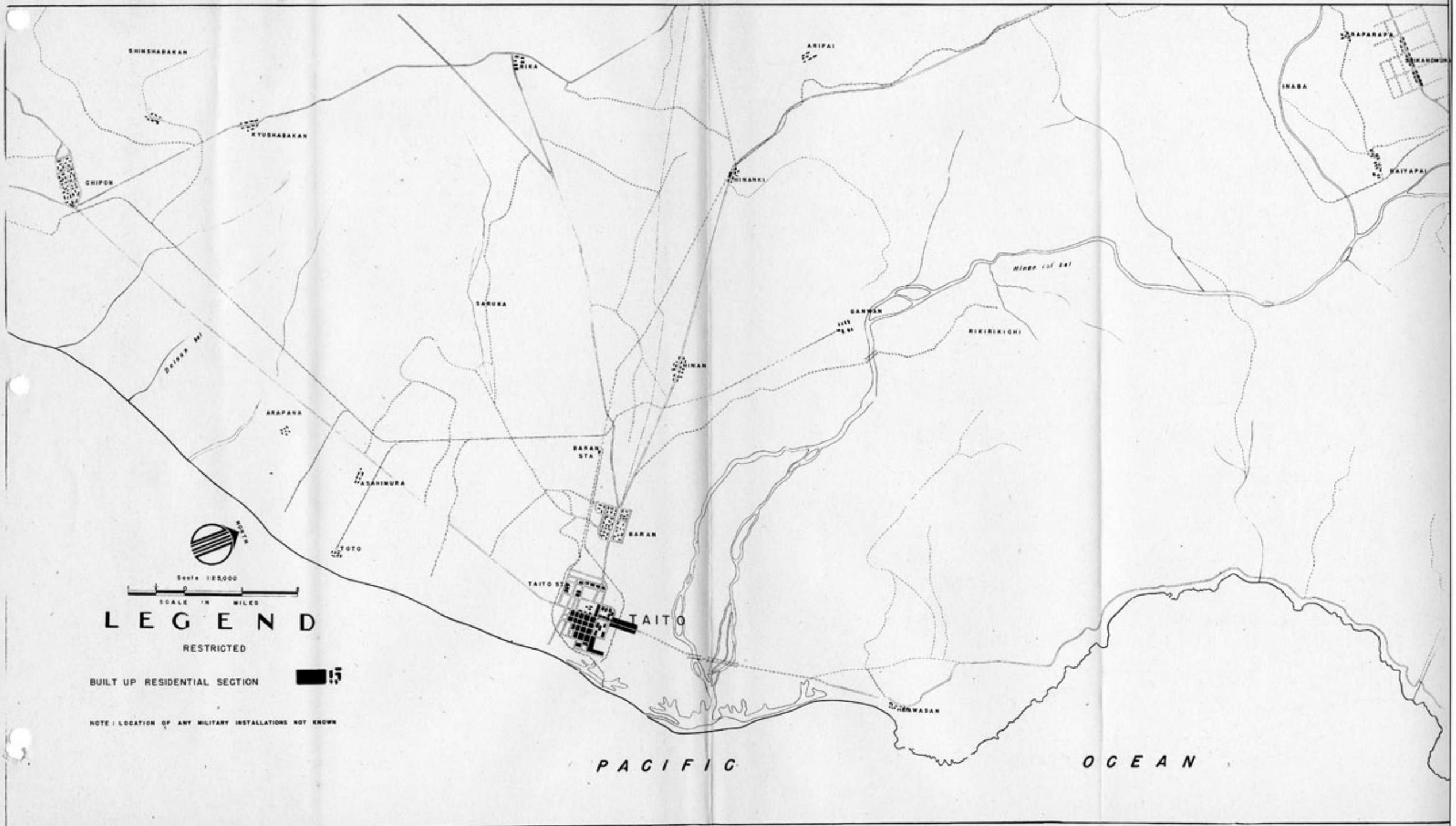
CITY OF TAITO AND SURROUNDING REGION IN RELATION TO TAITO PROVINCE



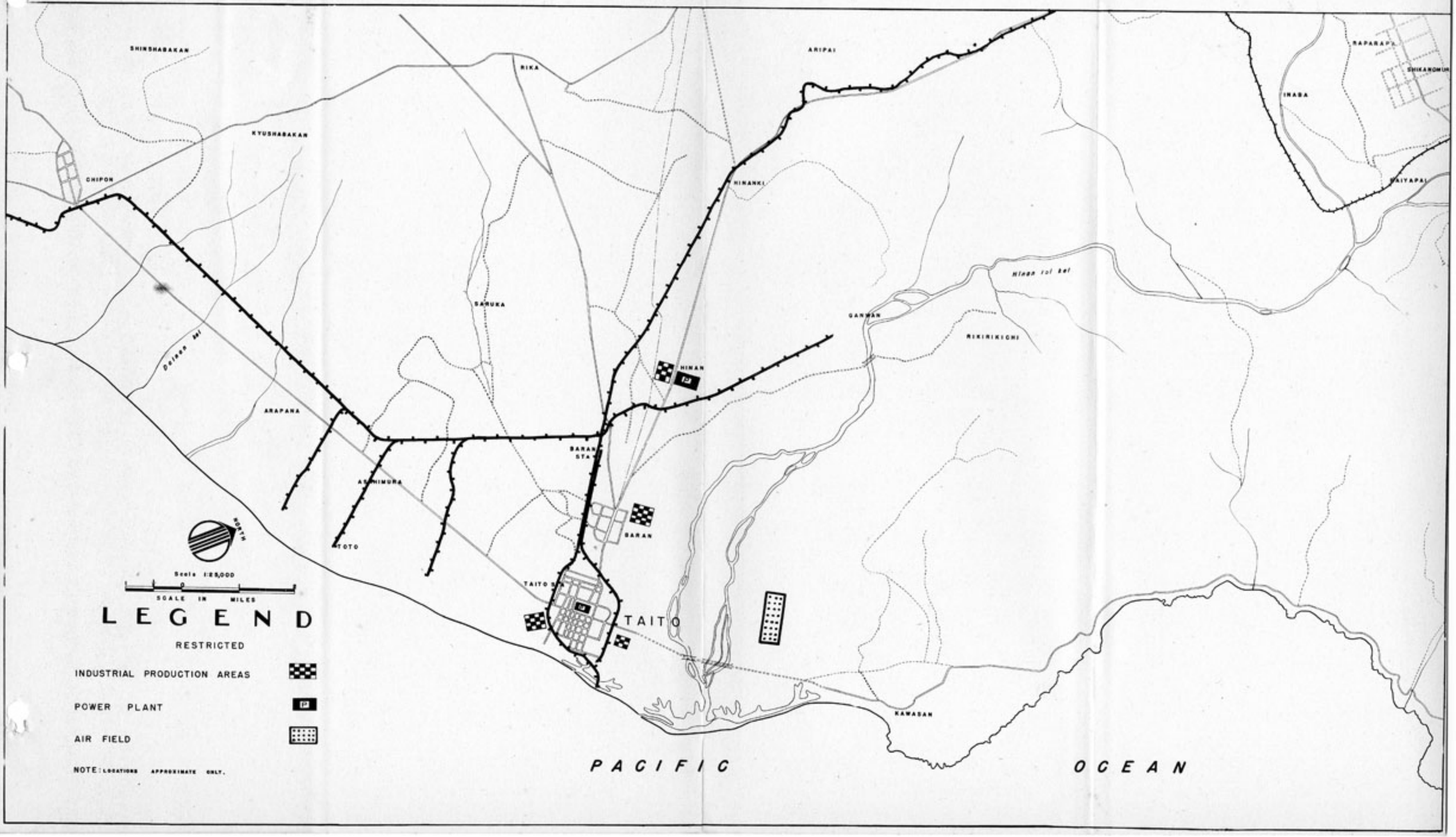
CITY OF TAITO, TAIWAN AND SURROUNDING REGION - BASE MAP
TOPOGRAPHY AND DRAINAGE



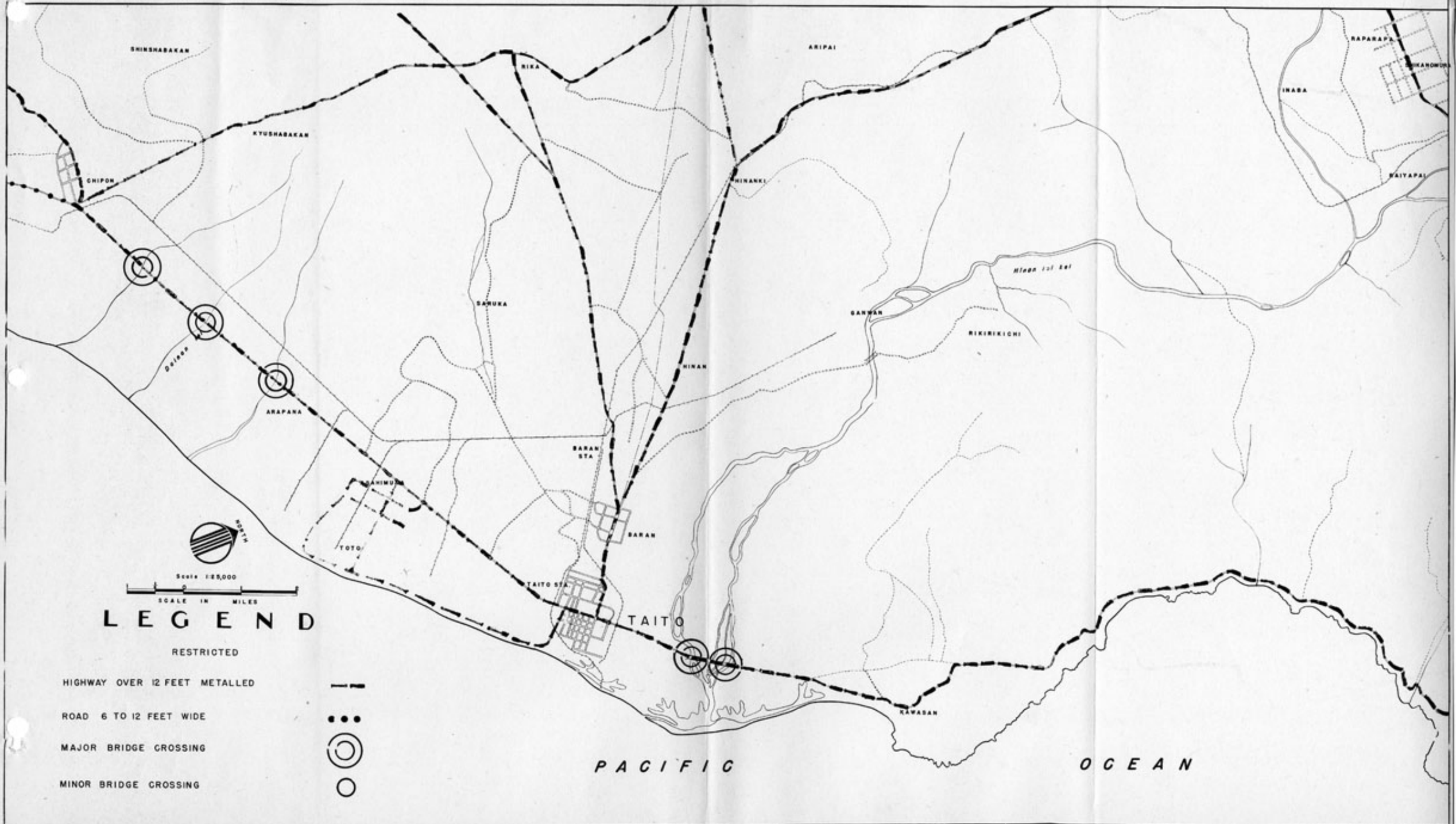
CITY OF TAITO, TAIWAN AND SURROUNDING REGION - BASE MAP
URBAN RESIDENTIAL AREAS AND MILITARY BARRACKS



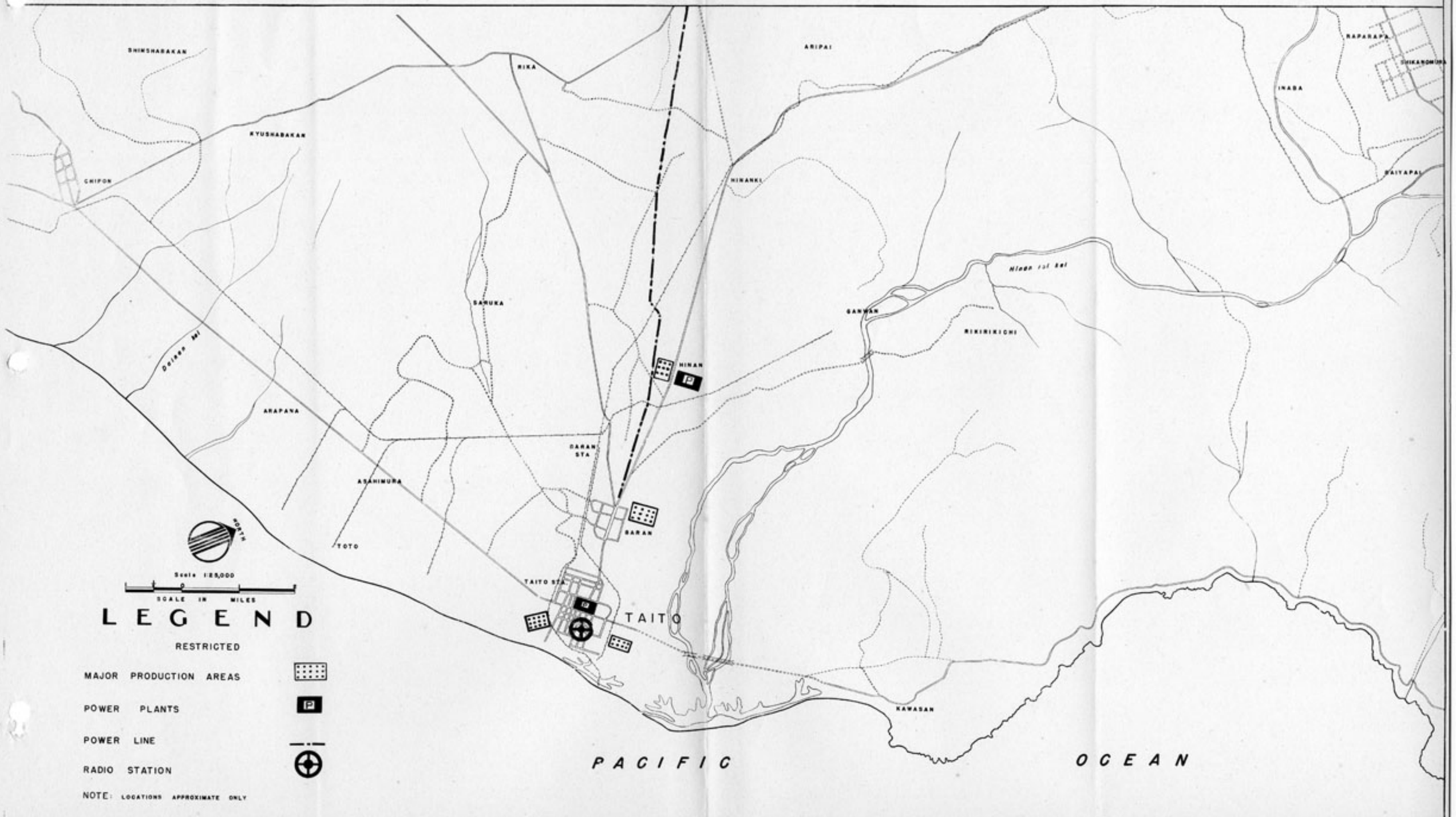
CITY OF TAITO, TAIWAN AND SURROUNDING REGION - BASE MAP
INDUSTRIAL AREAS



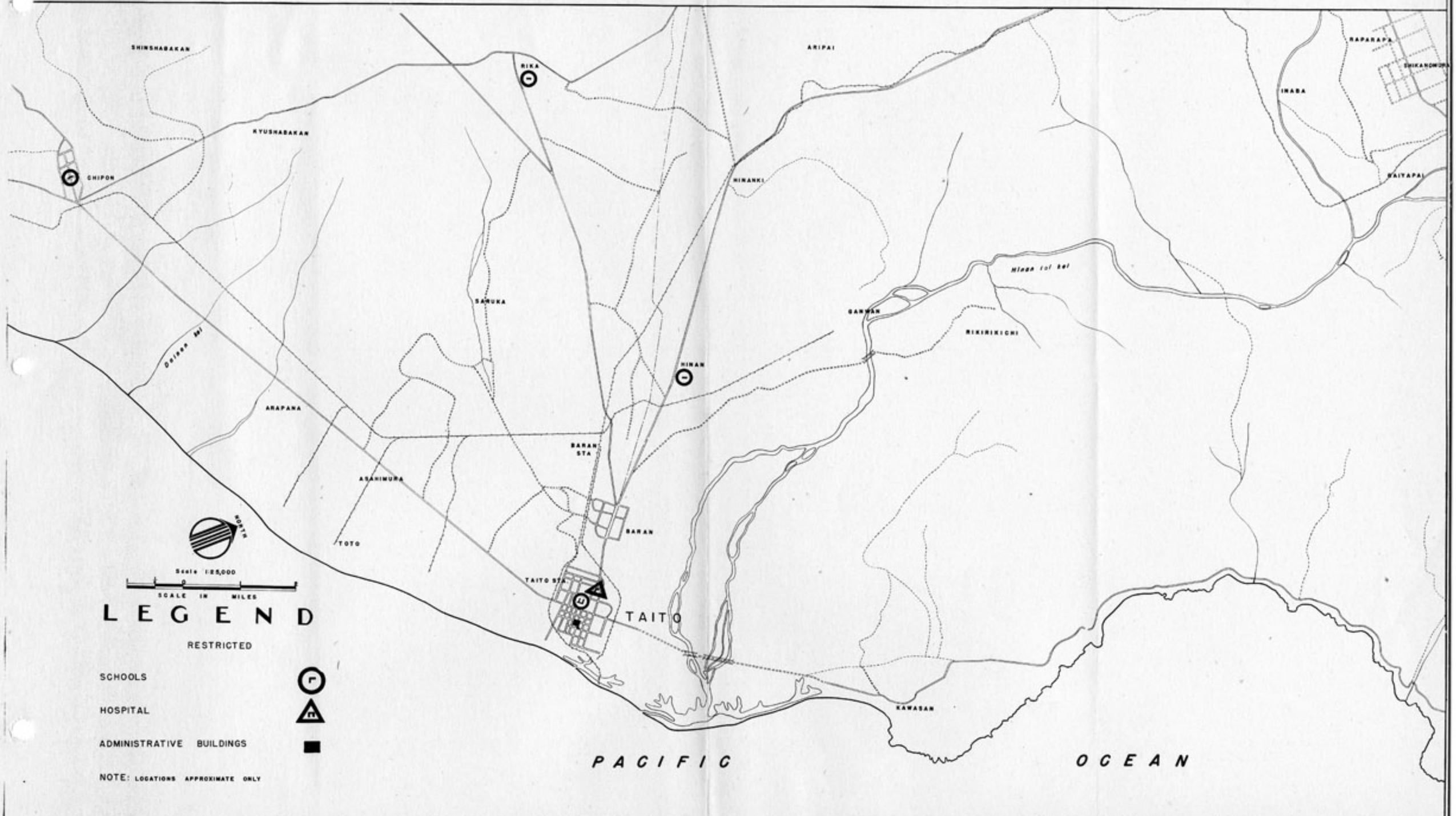
CITY OF TAITO, TAIWAN AND SURROUNDING REGION - BASE MAP
PRINCIPAL HIGHWAY ROUTES



CITY OF TAITO, TAIWAN AND SURROUNDING REGION - BASE MAP
PUBLIC UTILITIES



CITY OF TAITO, TAIWAN AND SURROUNDING REGION - BASE MAP
MAJOR PUBLIC BUILDINGS



TRANSPORTATION CHART
TAIWAN

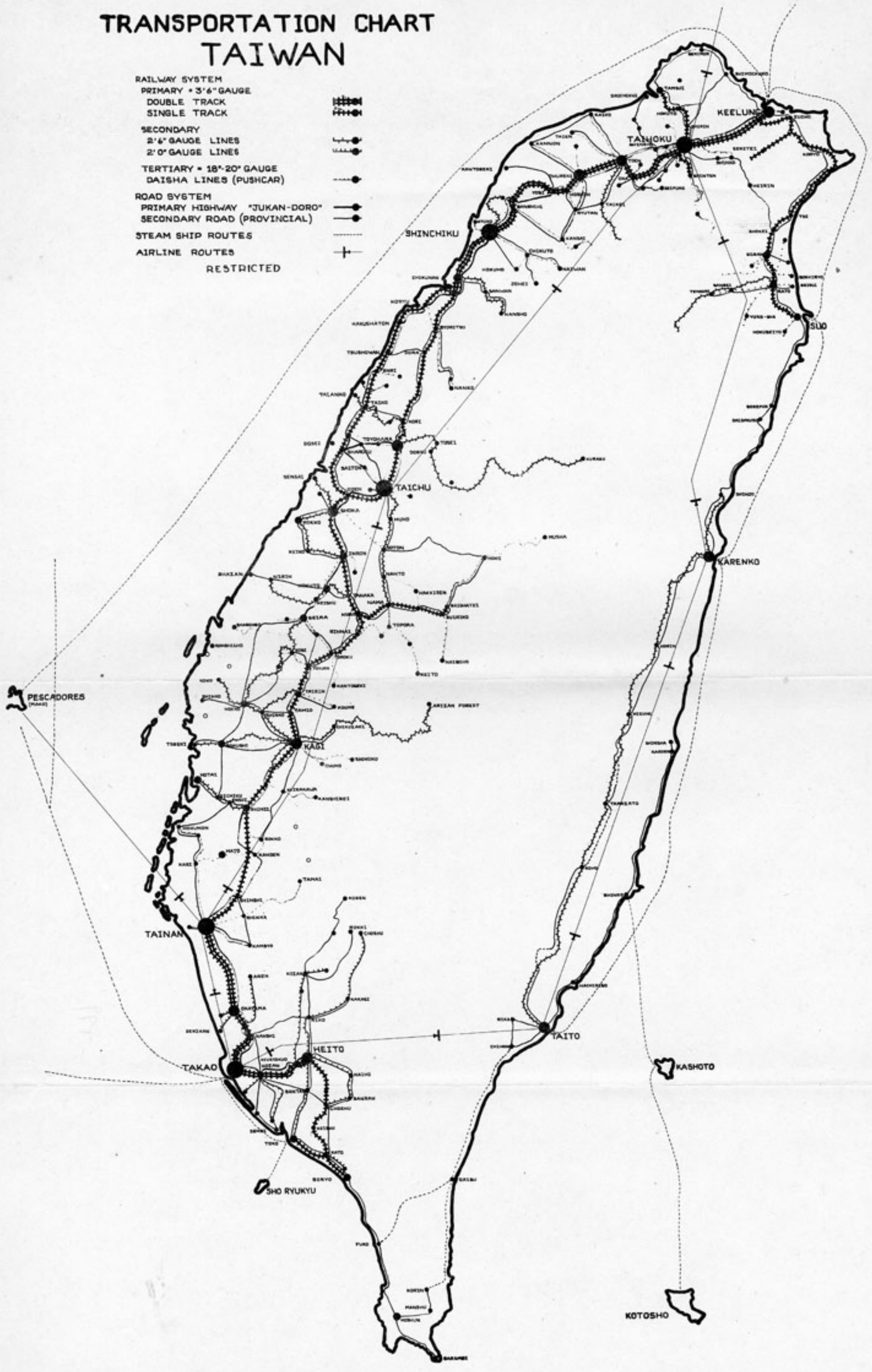
RAILWAY SYSTEM
- PRIMARY = 3'6" GAUGE
  - DOUBLE TRACK
  - SINGLE TRACK
- SECONDARY
  - 2'6" GAUGE LINES
  - 2'0" GAUGE LINES
- TERTIARY = 18"-20" GAUGE
  - DAISHA LINES (PUSHCAR)

ROAD SYSTEM
- PRIMARY HIGHWAY "JUKAN-DORO"
- SECONDARY ROAD (PROVINCIAL)

STEAM SHIP ROUTES

AIRLINE ROUTES

RESTRICTED



MG8 PEOPLES AND CUSTOMS

LECTURE 23

PRINCIPAL CITIES OF SOUTHERN TAIWAN
TAKAO, TAINAN, HEITO, KAGI

I. INTRODUCTION.

A. PURPOSE OF SURVEY. A summary of geographical and physical information on the principal cities of southern Taiwan - Takao, Tainan, Heito and Kagi - will assist the Civil Affairs Officer in orienting himself in any of these cities and to anticipate important problems which he will meet in the field. The accompanying maps are intended for use as a part of a looseleaf field manual.

B. This information will be of particular value to Civil Affairs Officers dealing with the following functions: public works and utilities, public health and welfare. emergency housing, communications, industry and commerce. Certain parts of the information which follows will be of use to officers responsible for public safety, labor organization, civilian supply, property control, economic rehabilitation, and banking and currency.

C. The reader is referred to the Civil Affairs Handbooks on the various provinces of Taiwan for additional data on the cities of Taiwan.

D. Check list of data of value to Civil Affairs Officers. The following check list is presented as a guide for further study of the cities of Taiwan.

1. Importance of the city - economic functions, military importance; population growth.
2. The physical setting - location, topography and drainage.
3. The city pattern - total area, major land use areas.
   a. Urban residential areas.
   b. Industrial areas - location and type.
   c. Harbor and warehouse areas - storage facilities.
   d. Commercial areas.
4. The regional and local transportation system.
   a. Water routes and harbor facilities.
   b. Railroad routes, terminals and maintenance facilities
   c. Regional highways and local street pattern.
   d. Airfields - location and facilities.
   e. Natural barriers to movement on land.
5. Public Utilities.
   a. Water supply - sources, storage, distribution.
   b. Sewage disposal system, refuse and garbage disposal.
   c. Electricity - requirements, supply, distribution system.
   d. Gas - for fuel and lighting.

6. Communications.
   a. Telephone and telegraph.
   b. Radio.
   c. Postal service.
7. Public buildings.
   a. Function and location - administration, education, health, public safety, recreation.
   b. Structural types - vulnerability to flood, fire, earthquakes, bombing.
8. Housing.
   a. Structural types - vulnerability.
   b. Billeting facilities - public buildings, barracks.
   c. Emergency housing problems, sites, planning, design.

Survey of Takao.

II. Importance of the city, economic and military functions, population growth.

A. Importance. Takao (1939 population 152,265 including 26,336 Japanese) is the most important industrial center in Taiwan, the second largest city, and since the war, probably the most important port on the island. In addition to its industrial and commercial importance, Takao is also the center of an extensive system of military installations and airfields. Takao has further significance as the seat of government for Takao Province which has a total population (1940) of 851,321 or roughly 15 per cent of the population of Taiwan. In peace time Keelung, at the north end of the island, was the most important port in volume of trade, but the war has placed Takao in first place - as the natural transshipment point for traffic between Japan and the "southern regions" in the southwest and west Pacific. Because of its strategic location at the southern end of Taiwan, Takao has served as Japan's springboard to the Philippines and the Netherlands East Indies, functioning as a holding point for land forces, as a shelter for the Japanese fleet, and as an important air center. The major naval base at nearby Toshien and the ship repair facilities at Takao add to the importance of Takao as a naval center. There is no good harbor between Takao and Keelung on the west coast of Taiwan and the smaller harbors on the east coast are isolated from the interior by a high mountain range. The industrial products of Takao include cement, sugar alcohol, aluminum, fertilizers and ships.

B. Population growth. Because of its strategic location for industrial, commercial, and military purposes, the city of Takao increased in population over 60% between 1935 and 1940, from 94,017 to 152,365. The Japanese population increased from 22,165 to 28,336.

III. The physical setting - location, topography, drainage.

A. Location. Takao is located on the southwest coast of Taiwan, approximately 60 miles from the southern tip of the island and 180 miles (airline) southwest of Taihoku, the capital of Taiwan. Takao is 164 miles from Amoy, 341 miles from Hongkong, 543 miles from Manila, and 606 miles from Shanghai and 1,464 miles from Tokyo. Takao is located at the mouth of the Takao River, at the northern end of a narrow coastal lagoon about 8 miles long. The lagoon is enclosed by a low narrow sand spit. Takao inner harbor is connected to the sea by a channel less than 500 feet wide. The dominant topographical feature of the Takao urban region is a high hill, Kotobuki Yama (Ape Hill), rising to a height of nearly 1,200 feet to the northwest of Takao City. This coral hill extends northward along the coast nearly 3½ miles to the Toshien naval base at the north. The Takao plain is drained by a series of small streams which empty into the coastal lagoon. The plain is separated from the Heito plain on the east by a low ridge which rises in some places to an elevation greater than 300 feet. Low hills northeast of the city also rise to an elevation of 300 feet.

IV. The city pattern - total area, major land uses.

A. Urban residential areas (see map - "Takao Urban Residential Areas"). The city is divided into an old triangular central residential section bounded on the south by the main wharf, on the west by Ape Hill and on the east by the Takao River, and newer residential sections east of the old city. The newer sections, only partially built up, are laid out on a characteristic western gridiron pattern which also characterizes the central triangular residential section which is predominantly a Japanese residential district. In addition to the newer gridiron sections of the city there are many native Chinese villages within a ten mile radius of the central city, most important of which are Kigo at the harbor entrance; Toshien at the northeast end of Ape Hill; Hozan, a few miles southeast of Takao; and Kominato at the south end of the lagoon.

B. Industrial Areas. The industrial areas of Takao (See Map-Industrial Objectives) include a main concentration of factories and warehouses at the edge of the lagoon about two miles southeast of the center of Takao and isolated factories on the Takao River north of the center of the city and farther south at Zenshin and Kominato. The heavy industry is located principally in the area between Reigaryo and Tairimbi. The Asana Cement works are located at the eastern foot of Ape Hill. The railroad yards and shops are located near the harbor and at a point along the railroad a mile and a half east of Takao River. An important naval dockyard is located at Kigo.

C. Harbor and Warehouse Areas. Most of the warehouses are located either in the Harbor area or in the new industrial area near Gishiko as shown on the industrial map. There are many reinforced concrete, brick and galvanized iron buildings. In addition to the harborside storage areas there are several large military supply warehouses located near rail lines or highways east of the city.

D. Commercial Areas. The central triangular section between the harbor and the river is the main commercial section of the city. The older commercial center was the area west of the present commercial center near the entrance to the harbor.

The business districts are architecturally similar to those of American cities. Most of the buildings are two stories in height and are substantially built of brick or stone. The arcaded sidewalks are characteristic of Formosan business districts.

V. The regional and local transportation system.

A. Water routes and harbor facilities. Takao has the best harbor facilities in Taiwan with the possible exception of Keelung. The inner harbor has been dredged to accommodate about 20 large vessels up to 10,000 tons in size. The main wharf berths eight ships. Ships of greater than 10,000 tons must anchor in the outer harbor just north of the breakwaters. The slips dredged at Tairimbi accommodate only small junks and sampans, as does the original small boat harbor across the entrance channel north of Kigo. Two shipyards, 31 slipways, a graving dock and modern loading equipment, are at the harbor. Additional important naval and harbor facilities have been developed recently at Toshien. Well equipped as a commercial port, Takao has had frequent service to Hongkong and Canton in south China, Shanghai in Central China and to Japan as well as to other foreign ports.

B. Railroad Routes, terminals and maintenance facilities. The railroad system serving Takao Province includes government railroad lines, sugar company railroad lines (a position of whose track is open for public business) and private pushcar lines. With minor exceptions, the government lines are 3'-6" gauge, the private railroad lines 2'-6" and the pushcar lines 18" or 20" gauge. A double-tracked government line runs from Taiwan on the north to Takao City. From Takao the line runs east and south by way of Heito to Boryo, a distance of about 44 miles, and is double tracked between Takao and Heito. The through rail line skirts the northern edge of Takao. The main railroad station is located on the main line. just north of the section shown as Taikoho on the map. The old station located near the harbor is of minor importance since the construction of the new station. In addition to the main lines west coast railroad

C. Regional Highways and local street pattern.

1. Regional roads. A main west coast highway connecting Takao with Taihoku and Keelung passes through Tainan, Okazama and Toshien and runs through Takao to Heito. This road, maintained by the Government-General is known to be paved from Takao to Hozan and probably as far as Heito. This highway continues as a second class road southeast to Garambi. A secondary road has been completed along the coast from Toshien to Takao Harbor. The major road to Hozan roughly parallels the railroad north and east of Takao and a second road to Hozan - indicated on the army 1:250,000 map of Taiwan as a surfaced road from 8 to 12 feet in width extends from Reigaryo in a direct line to Hozan. A first class road extends southward from Takao along the lagoon as far as Zenshin. Three important bridges across the Takao River near the center of Takao if destroyed by the Japanese will have to be replaced by temporary bridges. There are numerous minor highways in the urban area. The Government-General operates a bus service on the west coast highway as far south as Choshu and private automobile transportation companies serve the area south of Choshu.
2. Local street pattern. The characteristic gridiron street pattern is followed in all new sections of Takao. The narrow streets in the Formosan-Chinese villages were not developed for automobile traffic. They are narrow, crowded and poorly surfaced if at all. Takao does not have broad diagonal avenues such as those built by the Japanese in other cities in Taiwan.
3. Public transportation. In 1937 there were 96 passenger automobiles, 45 motorcycles, 115 trucks, and 58 buses in Takao Province. This number is presumed to have increased greatly. There are still probably few privately owned vehicles. Natives rely on bicycles, rickshas or foot travel. There is evidently no street, railway or push car line in Takao.

D. Airfields - location and facilities. The Reigaryo or Hozan Airfield, the principal airfield serving the city of Takao is located about five miles southeast of the city. There is a small seaplane station located near Kominato about five miles east of Takao. The inner harbor provides a good seaplane landing area. Before the war Takao had regular air service to Taihoku, Taichu, Tainan on the west coast and to Karenko and Taito on the east coast of Taiwan. There are important military airfields east of Takao near Heito, and near Okazama about 12 miles north of Takao.

VI. Public Utilities (See Takao Public Utilities Map).

A. Water Supply.- sources, storage, distribution. The Takao public water supply system was reported in 1936 to supply 50 per cent of the population. The source of the public water supply is thought to be the Shimo-Tamsui River, from which water is conveyed through an open cut ditch to the natural lakes four miles east of Takao. These small lakes serve as natural storage reservoirs. The water is presumably pumped to a filtration plant located on the southern edge of Ape Hill as indicated in the public utilities map. In 1936 approximately half of the houses in Takao were supplied with piped water but the rapid growth of the city in recent years makes this information of little significance now. In 1936 it was reported that 951 wells were in use. Probable water storage tanks are reported near the main wharf along the Takao inner harbor. It is thought that few of the native Formosan villages have any public water supply system. In 1928 the fire fighting equipment of Takao was reported to have consisted of 1 automobile pump, 1 steam pump, 4 hand pumps, 8 hose wagons and 1 fire watch tower.

B. Sewage disposal system. There is no adequate sewage disposal system in Takao, but in general sanitary and health conditions are thought to be good. It is probable that the government buildings and possibly the major commercial buildings in the central part of the city are equipped with sewage facilities which drain into the Takao River. Residences for the most part rely on traditional native methods of collection of night soil which is used as fertilizer. In spite of lack of a public sewer system in Takao, the Japanese have exerted considerable effort to improve health conditions and as a result smallpox, cholera, scarlet fever and plague have practically been eliminated.

C. Electricity. Takao is served by a steam power plant with 13,000 KW capacity, as well as by a transformer substation which is the southern terminus of power transmitted from the Jitsugetsutan Development which has a total capacity of 200,000 kilowatts. Power from Jitsugetsutan is transmitted to the Takao Substation by means of a 150,000 volt transmission line 116 miles in length. There are two other power plants in Takao. One, a steam plant owned by the Asano Cement Company at the foot of Ape Hill, has a capacity of 4,500 kilowatts and a small 1,200 kilowatt plant is owned by the Takao City government.

D. Gas. Takao has a gas system with large storage tanks in the Reigaryo industrial districts near the harbor. The capacity and other details of the system are not known.

VII. Communications.

A. Telephone and telegraph. The telephone system in Takao exists to serve the Japanese population. The average Formosan resident does not have a telephone. The neighborhood or ko office frequently has a public telephone booth which is used by all of the members of the ko association. Takao has long distance telephone service to other Formosan cities and to Japan.

B. Radio. The Provincial Government Building has a radio broadcasting station and a second station is reported near the transformer station north of the main railroad line. More than two-thirds of the radio receiving sets in Taiwan are owned by Japanese. In villages and smaller communities receivers are located in accessible places such as post offices or markets.

VIII. Public Buildings (see map - Takao - Major Public Buildings.

A. Function and location.

1. Administration. The important state and municipal administrative buildings are shown on the map "Major Public Buildings". The Provincial Government Office is located just east of the Takao River near the center of the city. The building similar in architectural design to many American public buildings, is probably the largest and most impressive building in the city. The New City Hall is located directly across the river from the Provincial Government building.

2. Education buildings. The buildings marked by the heavy circles are thought to be academics or secondary schools most of which have athletic fields and outdoor swimming pools in addition to a substantial school plant. Many of these schools are probably now used as military barracks. Elementary school buildings are marked by smaller circles. Additional smaller school buildings are probably located in the smaller towns and villages.

3. Health buildings. There are two major hospitals in the city, a former well-equipped two-story civilian hospital at the foot of Ape Hill, about ½ mile northwest of the City hall, and a military hospital in the military area on the beach at the foot of Ape Hill about a mile west of the Municipal Hospital. In addition there are a number of other small hospitals, the location of which is not known. The bed capacity was last reported to be 1,000 but is now undoubtedly much larger as the result of expansion of hospital facilities by the Japanese.

4. Public Safety. The military police headquarters are reported to be adjacent to or near the New City Hall across from the provincial administration building.

B. Structural types, vulnerability to fire and bombing. The common structural material for the public buildings is bricks or stone. Office buildings, schools, public buildings and the better class of stores have a substantial appearance and are permanent, generally fireproof buildings.

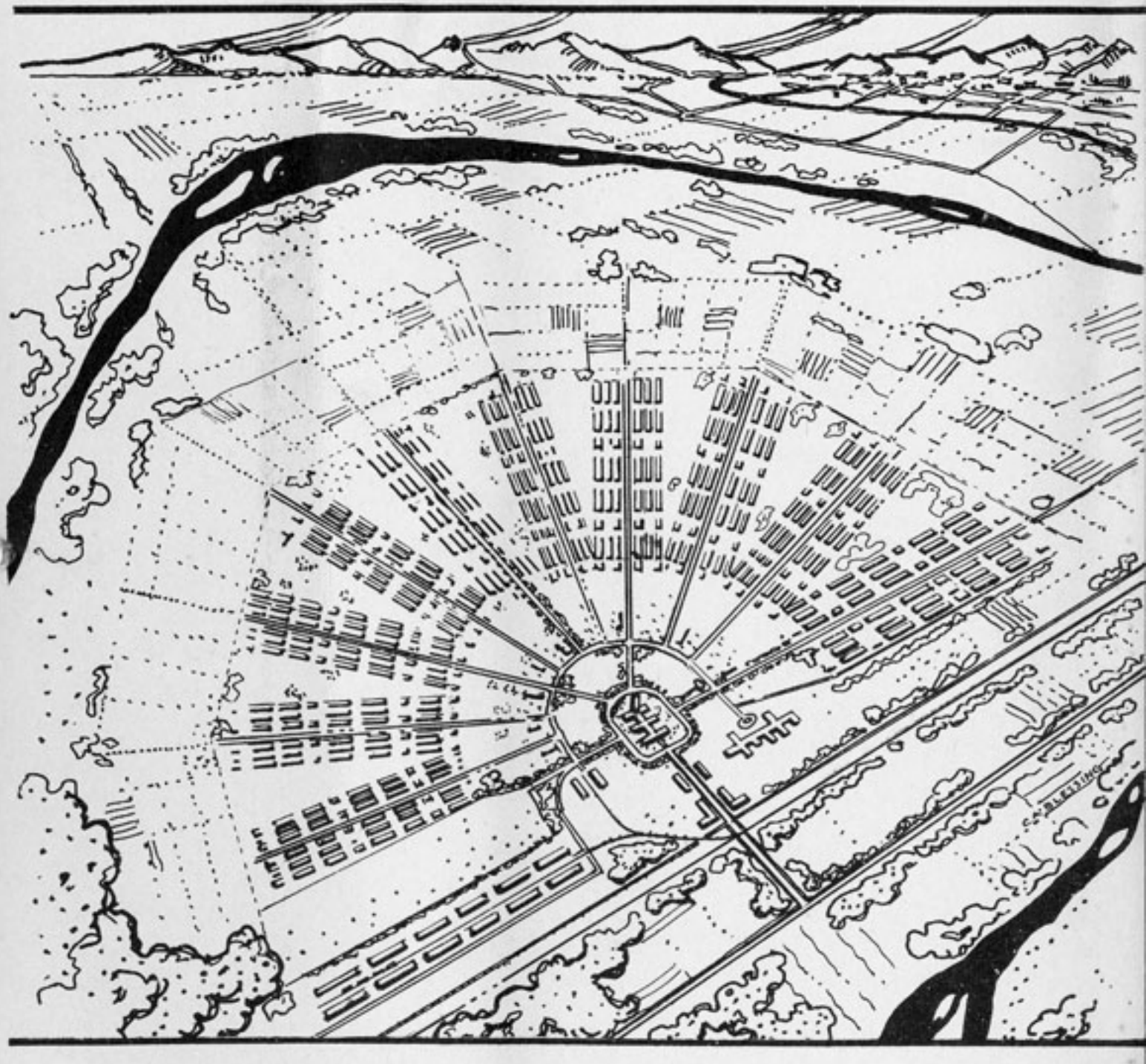
IX. Housing and billetingfacilities.

A. Structural types - vulnerability. Brick or stone is the common building material in Takao residences. Brick or stone is used even for the smaller homes in the Chinese districts of the city. Roofs are generally of tile. Houses, mostly single story, are built close together, in both the Chinese and Japanese sections. From areal photographs the native residential areas appear to be a maze of narrow crooked streets with closely packed houses. The house roofs are of tile. In the Japanese residential section the characteristic dwelling is a flimsy and highly inflammable wooden building.

B. Billeting Facilities. As shown on the map "Major Public Buildings" there are a large number of military barracks, particularly near Hozan and Toshien but also in Komunato, Gishiho and Taikoho, east of Takao River, and also at Kigo and on the beach across the harbor entrance from Kigo. More than 500 barracks type buildings have been identified within a radius of five miles of the center of Takao.

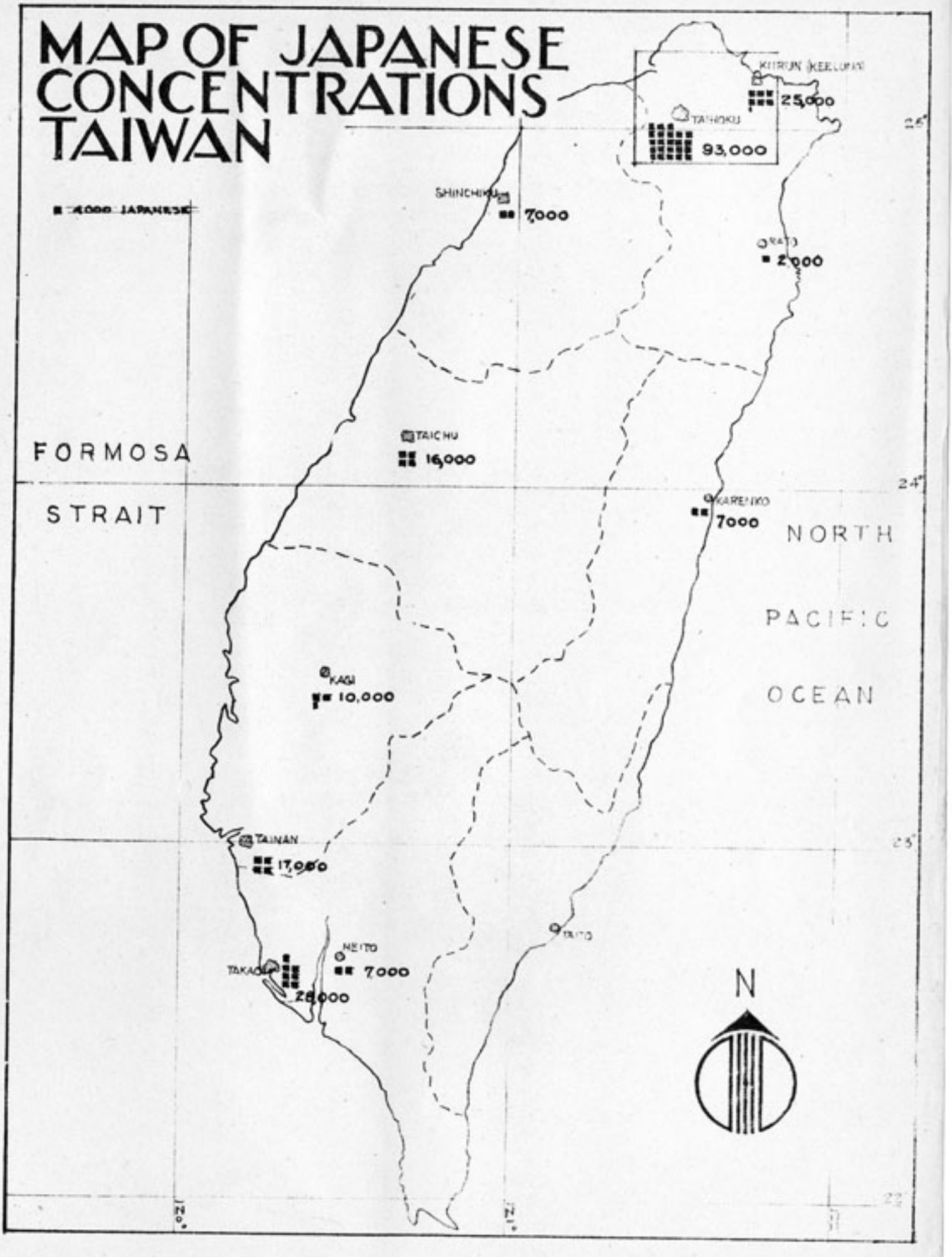
C. Emergency Housing Problems, site planning, designs. Most of the school buildings can be used as military quarters or as emergency shelter for civilians. In addition the major public administration buildings could be used for billeting. Based on the 1:250,000 U. S. Army map of Taiwan the map "Special Planning Areas" indicates the location of certain sites which are probably not rice land - and hence not normally flooded twice each year - and which therefore might prove satisfactory as camp areas for the emergency billteting of bombed-out civilians. Site considerations would point to the general area east of the Reigaryo airport, indicated as area No. 3 on the map, as a possible location for temporary camps. Danger from bombing because of proximity to the airport is a factor which might lead to a choice of areas west or north of Hozan. In any event further detailed studies would have to be made in the field to determine where emergency housing can be provided in proximity to the places of work of the people to be housed.

REFUGEE CAMP

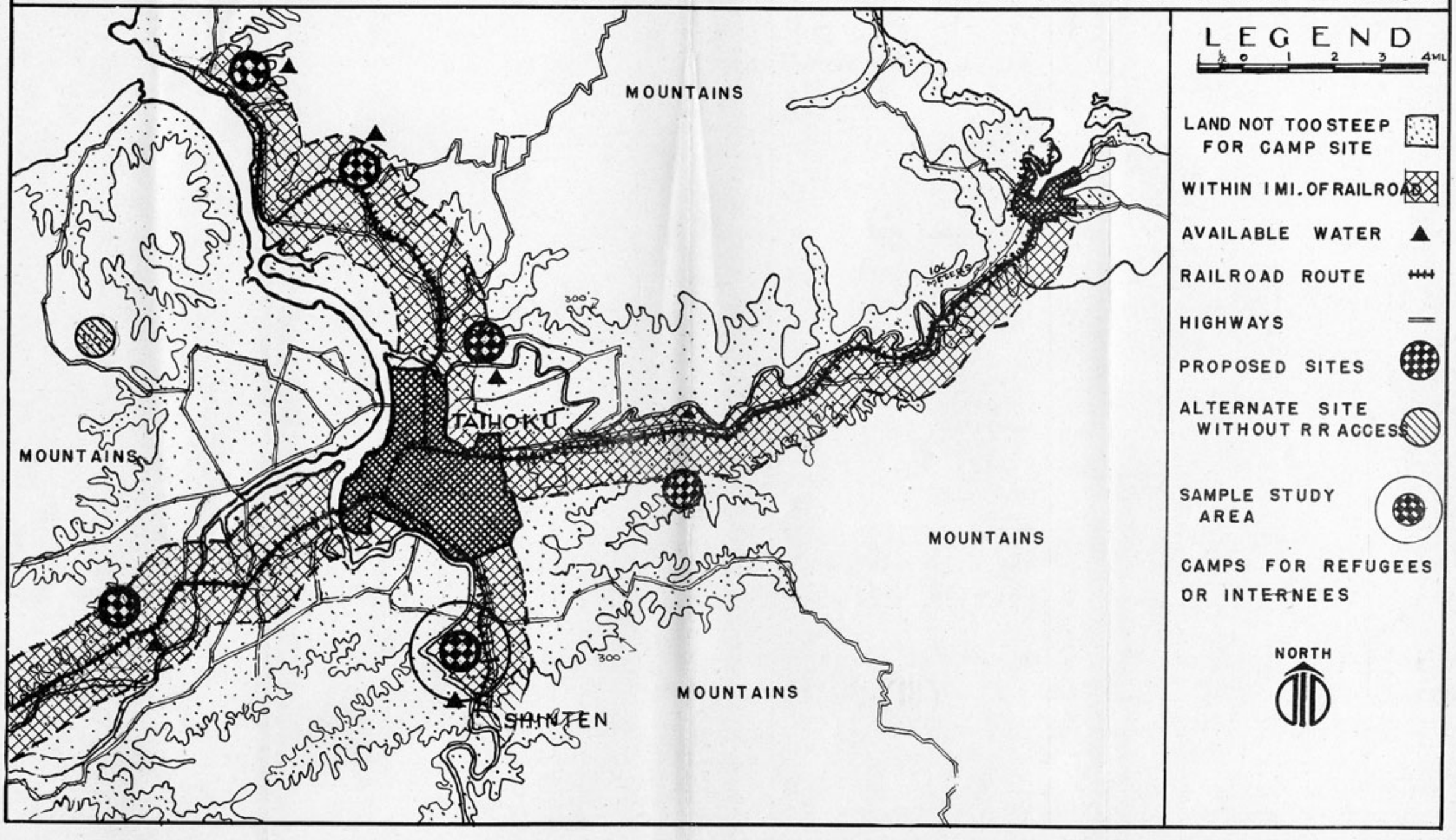


A GRAPHIC SURVEY

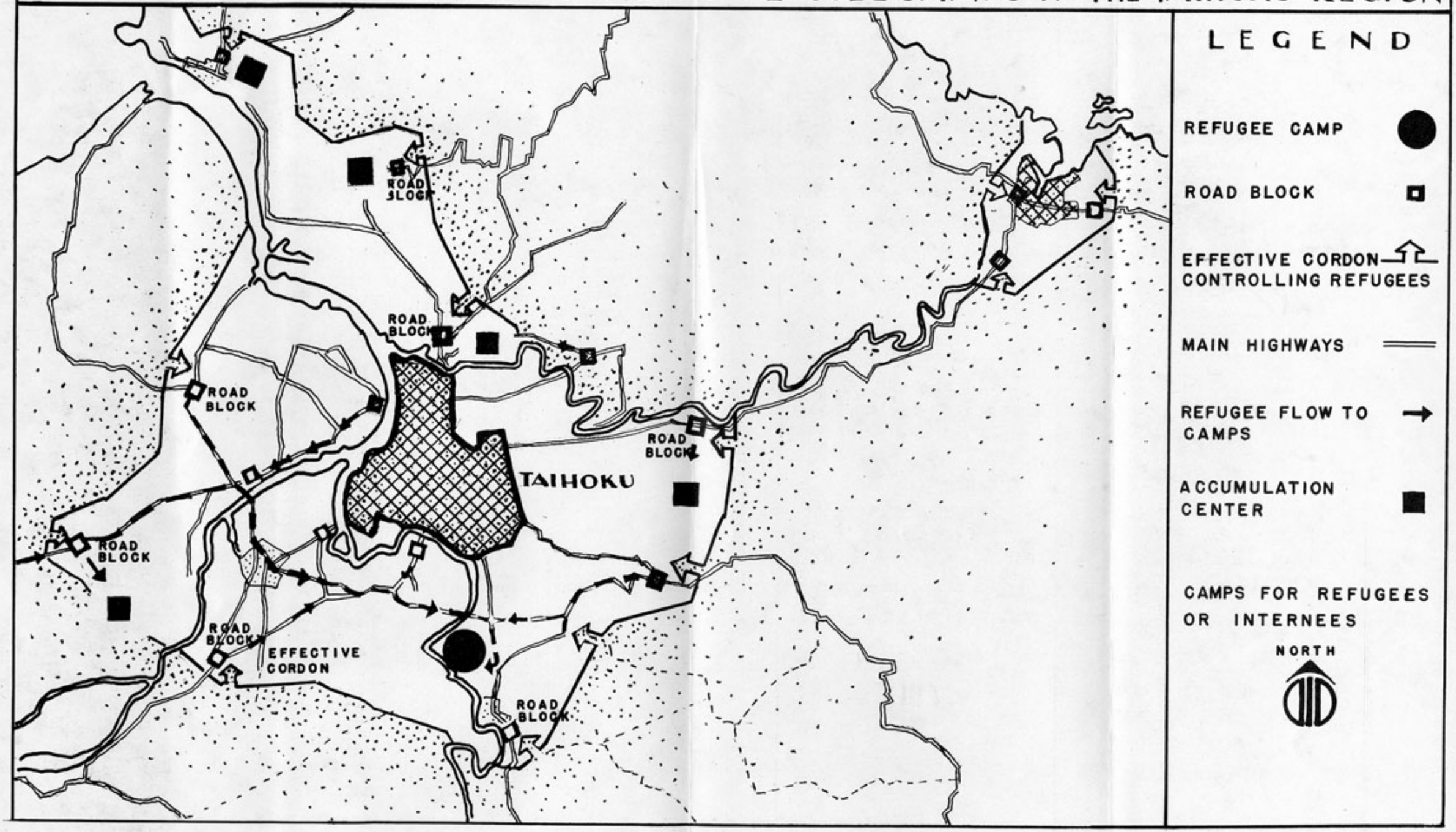
FOR CIVIL AFFAIRS OFFICERS

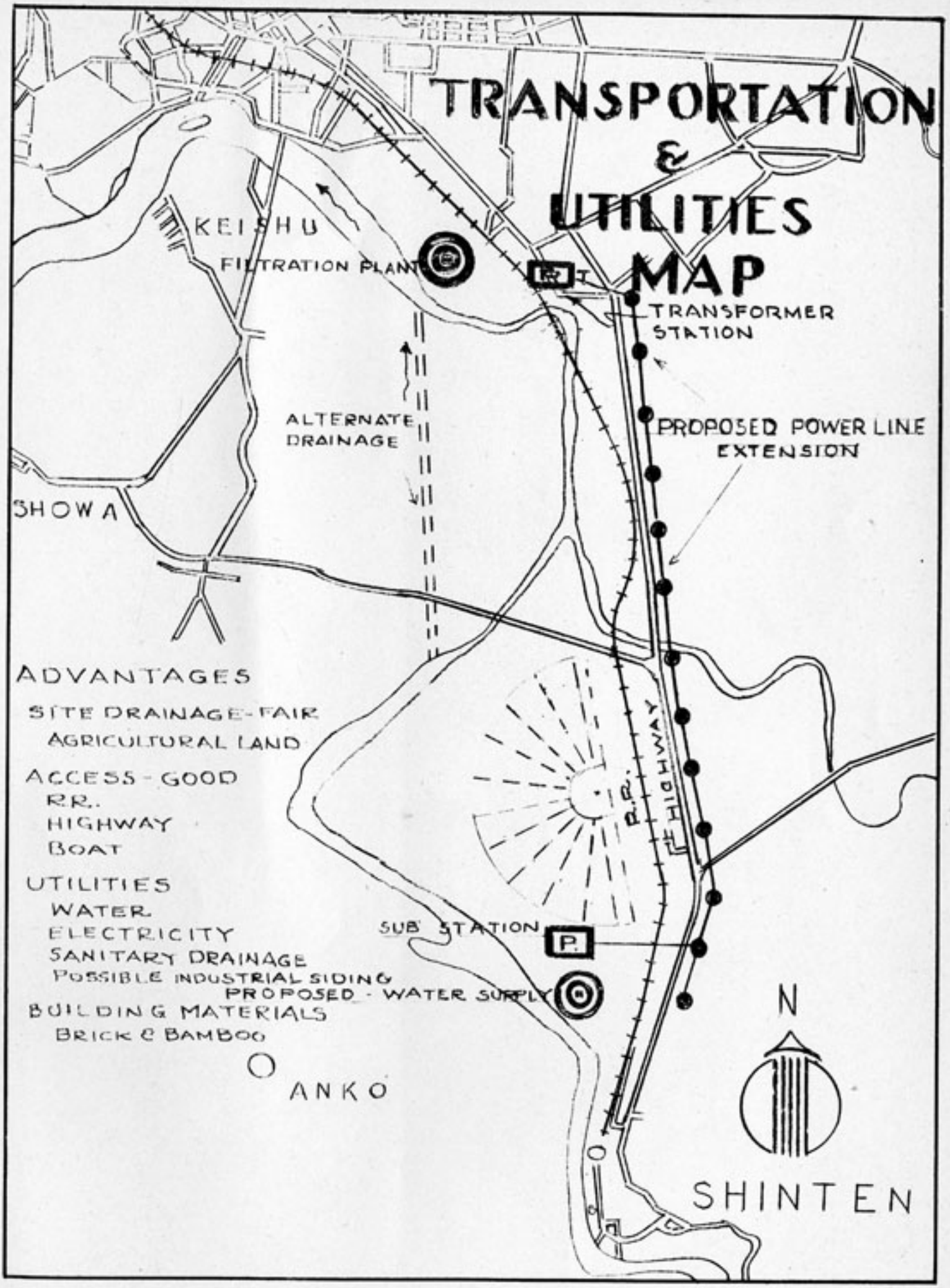

MAP OF JAPANESE CONCENTRATIONS TAIWAN
4000 JAPANESE
KIIRUN (KEELUNG)
25,000
TAIHOKU
93,000
SHINCHIKU
7,000
RATO
2,000
TAICHU
16,000
FORMOSA
STRAIT
KARENKO
7000
NORTH
PACIFIC
OCEAN
KAGI
10,000
TAINAN
17,000
TAITO
HEITO
7,000
TAKAO
28,000
N
25°
24°
23°
22°
N°
N°

FACTORS GOVERNING SITE LOCATION OF REFUGEE CAMPS IN THE TAIHOKU REGION

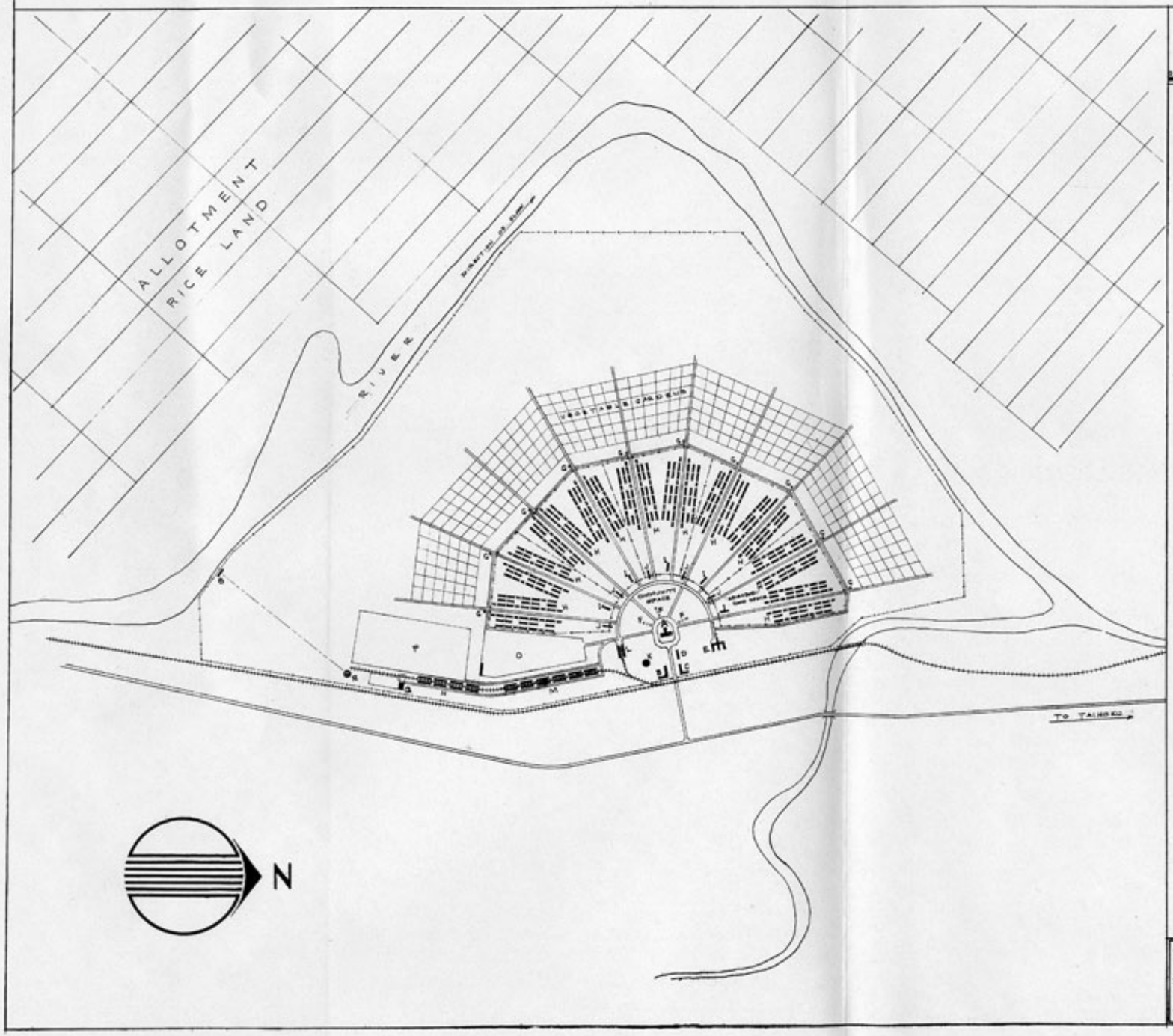


LOCATION OF ROAD BLOCKS NEAR REFUGEE CAMPS IN THE TAIHOKU REGION




TRANSPORTATION & UTILITIES MAP
KEISHU
FILTRATION PLANT
T
TRANSFORMER STATION
ALTERNATE DRAINAGE
PROPOSED POWER LINE EXTENSION
SHOWA
ADVANTAGES
SITE DRAINAGE - FAIR
AGRICULTURAL LAND
ACCESS - GOOD
RR.
HIGHWAY
BOAT
UTILITIES
WATER
ELECTRICITY
SANITARY DRAINAGE
POSSIBLE INDUSTRIAL SIDING
BUILDING MATERIALS
BRICK & BAMBOO
SUB STATION
P.
PROPOSED - WATER SUPPLY
P.R.
HIGHWAY
N
ANKO
SHINTEN

REFUGEE CAMP FOR 15000 DISPLACED PERSONS



LEGEND

ADMINISTRATION AND CONTROL

A - ADMINISTRATION BUILDING & CONTROL TOWER
B - DUTY OFFICE
C - CUSTODY
D - JAIL
E - HOSPITAL
F - FUTURE COMMUNITY BUILDING SITES
G - GUARD POSTS

HOUSING UNITS

H - 10 HOUSING UNITS - 1500 PERSONS PER UNIT
UNITS CONTROLLED IN GROUPS OF 2 CONTAINING 3000 PERSONS
I - NEIGHBORHOOD SCHOOL
J - NEIGHBORHOOD STORE

SERVICES

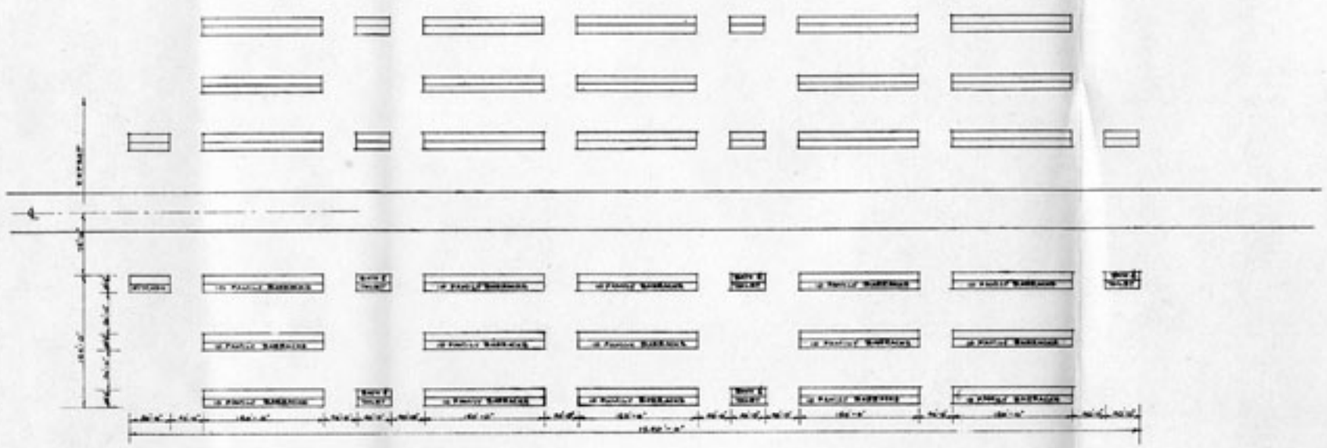
K - WATER SUPPLY TOWER
L - COMMUNITY STORES
M - FOOD SUPPLY WAREHOUSES
N - AGRICULTURAL WAREHOUSES
O - MOTOR POOL & REPAIR SHOP
P - SALVAGE YARD
Q - POWER HOUSE
R - WATER TOWER (ALTERNATE)
S - PUMP HOUSE (ALTERNATE)

Number No. 1

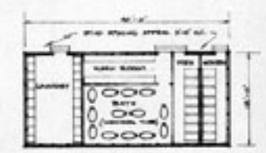
DATE PREPARED - DEC. 1, 1944
DATES REVISED -
PREPARED BY AREA SURVEY SECTION
NAVAL SCHOOL OF MILITARY GOVERNMENT AND ADMINISTRATION
PRINCETON UNIVERSITY, PRINCETON, N. J.

CAMP STRUCTURES

TYPICAL LAYOUT –
UNIT FOR 1500 PERSONS

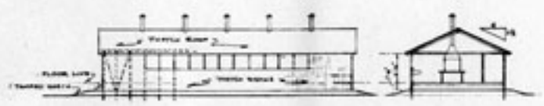


ELEVATION SECTION

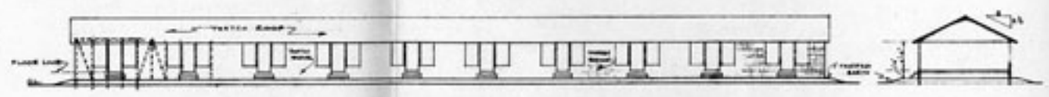


PLAN

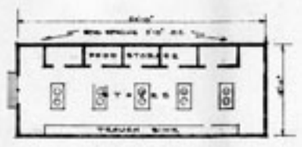
BATH, TOILET, LAUNDRY BUILDING (ALTERNATE)



ELEVATION SECTION

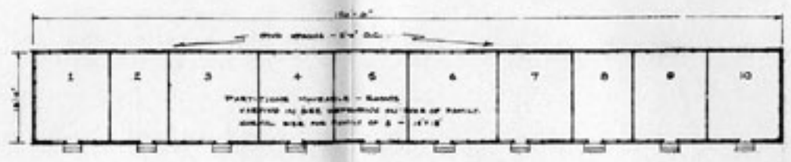


ELEVATION SECTION



PLAN

COMMUNITY KITCHEN BUILDING



PLAN

BARRACKS BUILDING – 10 FAMILIES, 60 PERSONS

NOTE:

CONSTRUCTION TO BE OF AVAILABLE LOCAL MATERIALS

FRAMEWORK – BAMBOO OR OTHER LOCAL MATERIALS, OR ANY MATERIAL AVAILABLE FROM SALVAGE

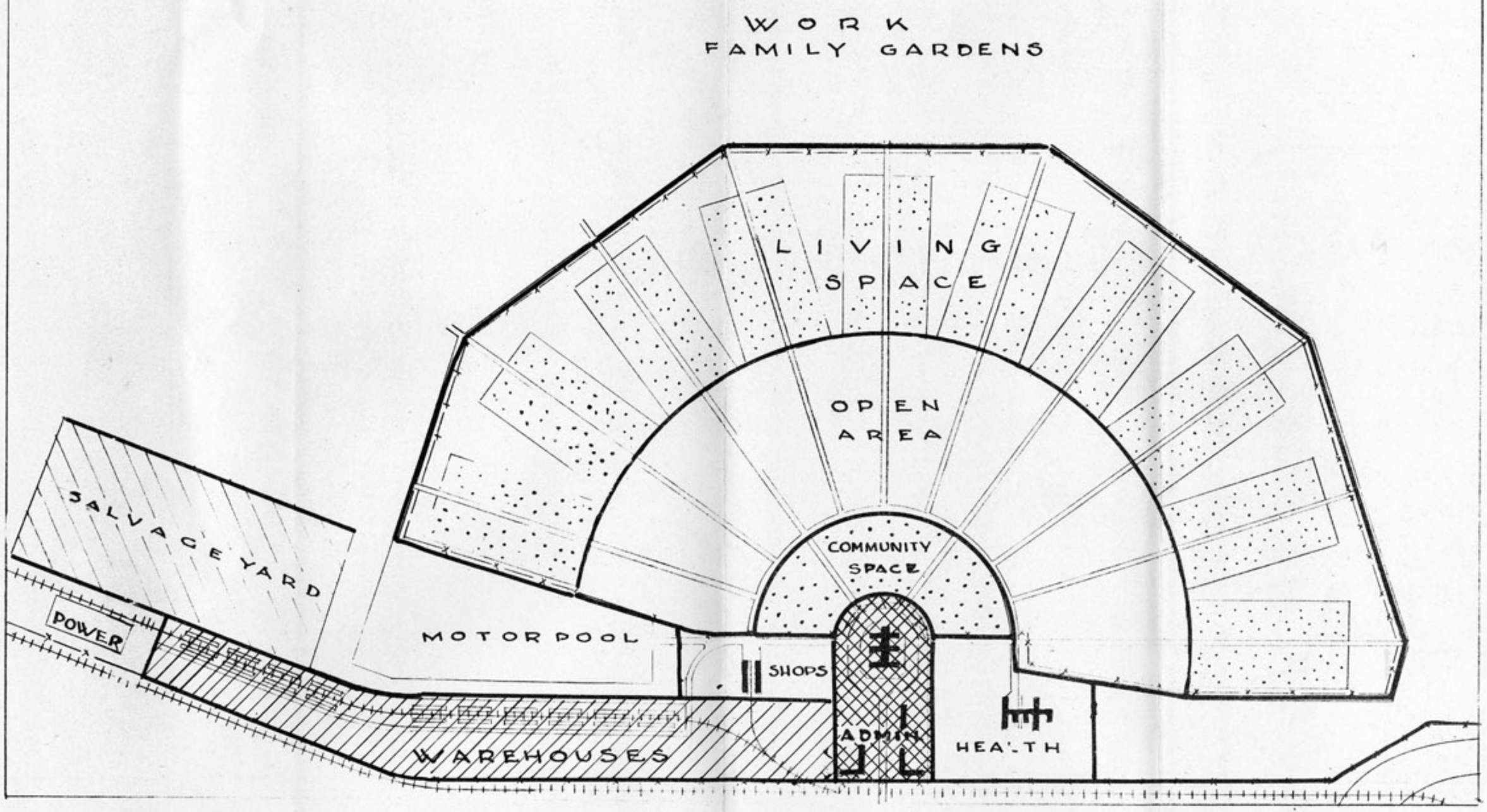
ROOF – THATCH OF LOCAL MATERIALS, OR ANY MATERIAL AVAILABLE FROM SALVAGE

SIDING – THATCH OF LOCAL MATERIALS, OR ANY MATERIAL AVAILABLE FROM SALVAGE

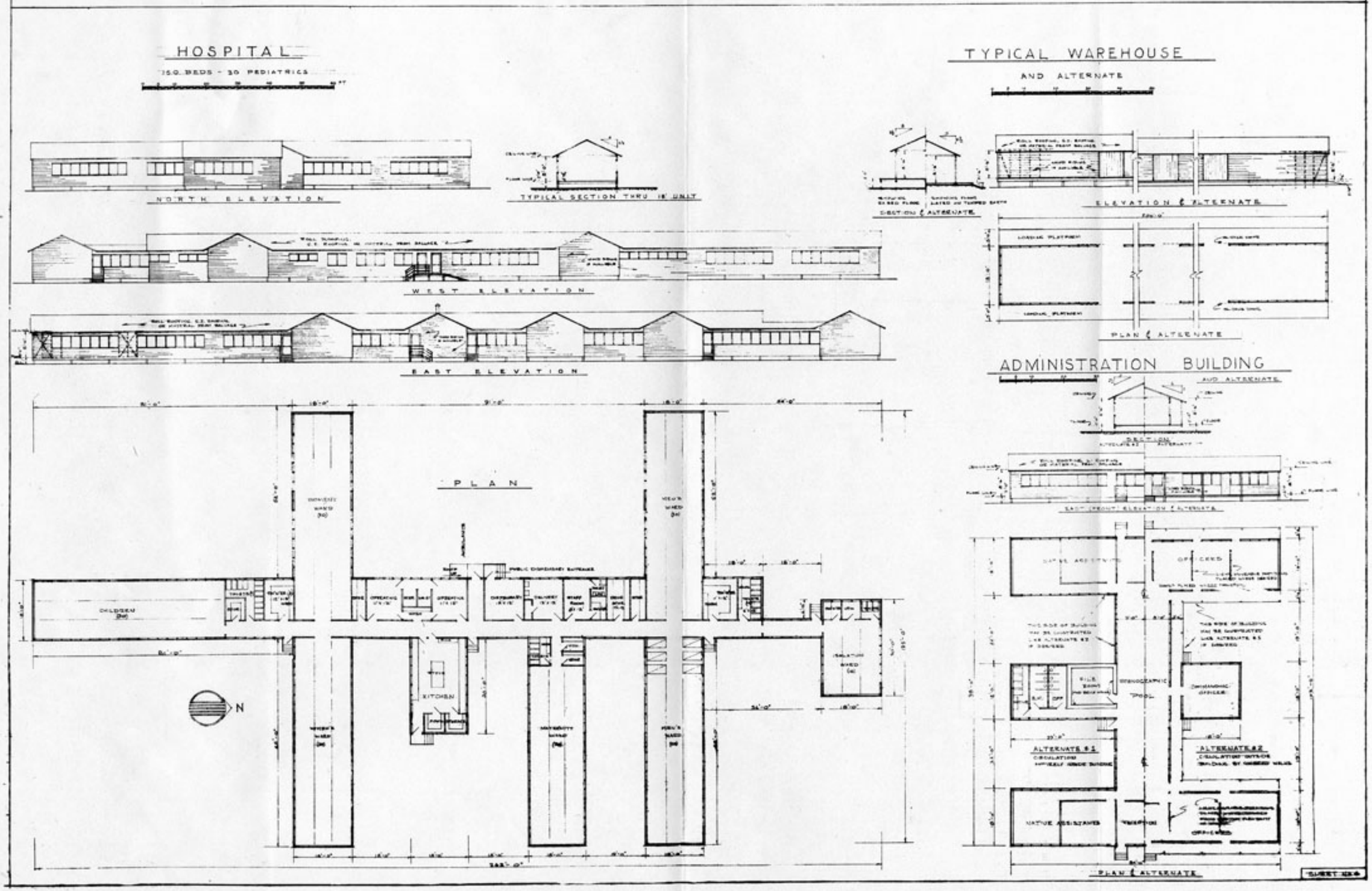
SHEET NO. 2

DATE PREPARED NOV 28, 1944
DATES REVISED
PREPARED BY AREA SURVEY SECTION
NAVAL SCHOOL OF MILITARY GOVERNMENT AND ADMINISTRATION
PRINCETON UNIVERSITY PRINCETON, N. J.

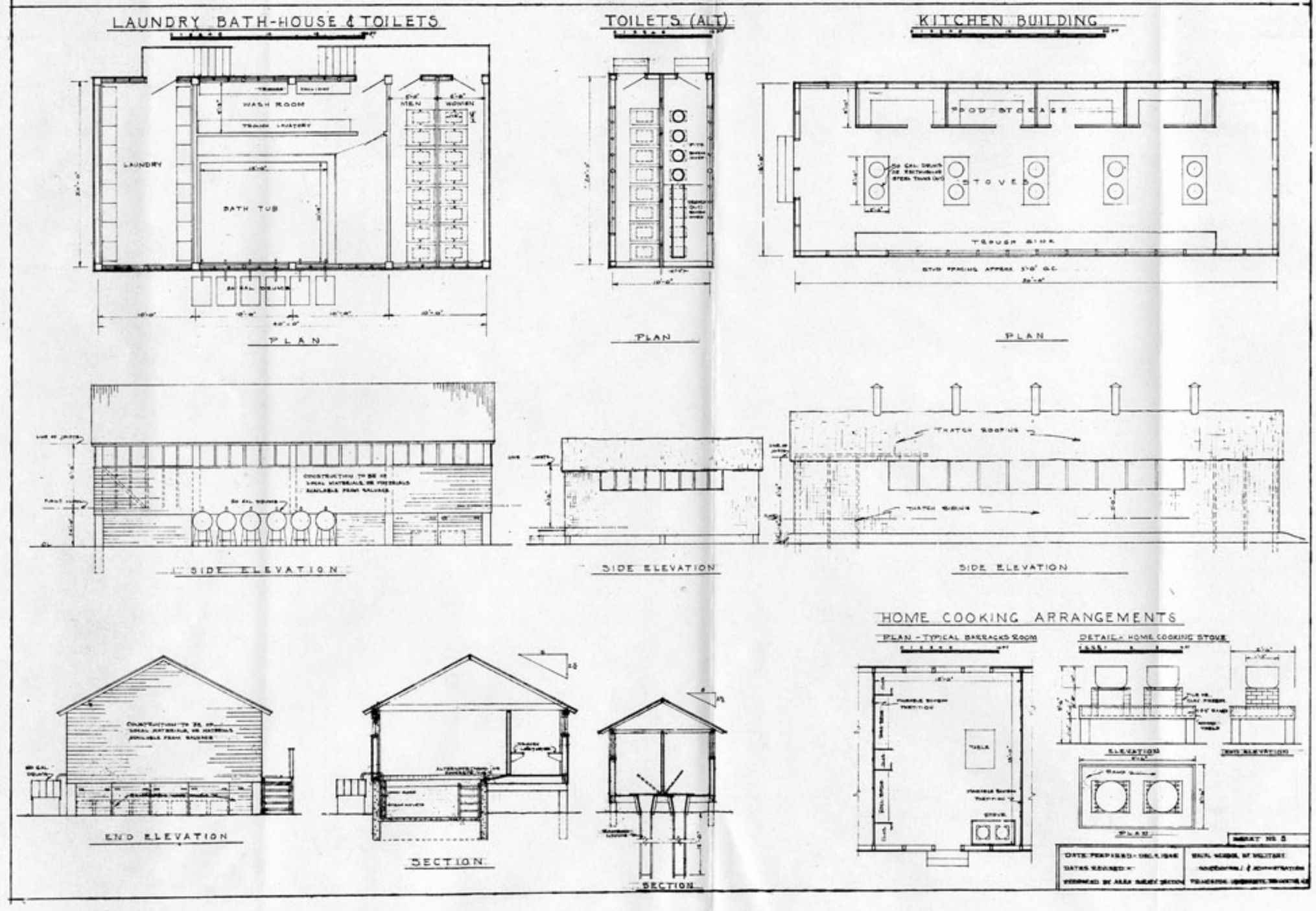
FUNCTIONAL PLAN



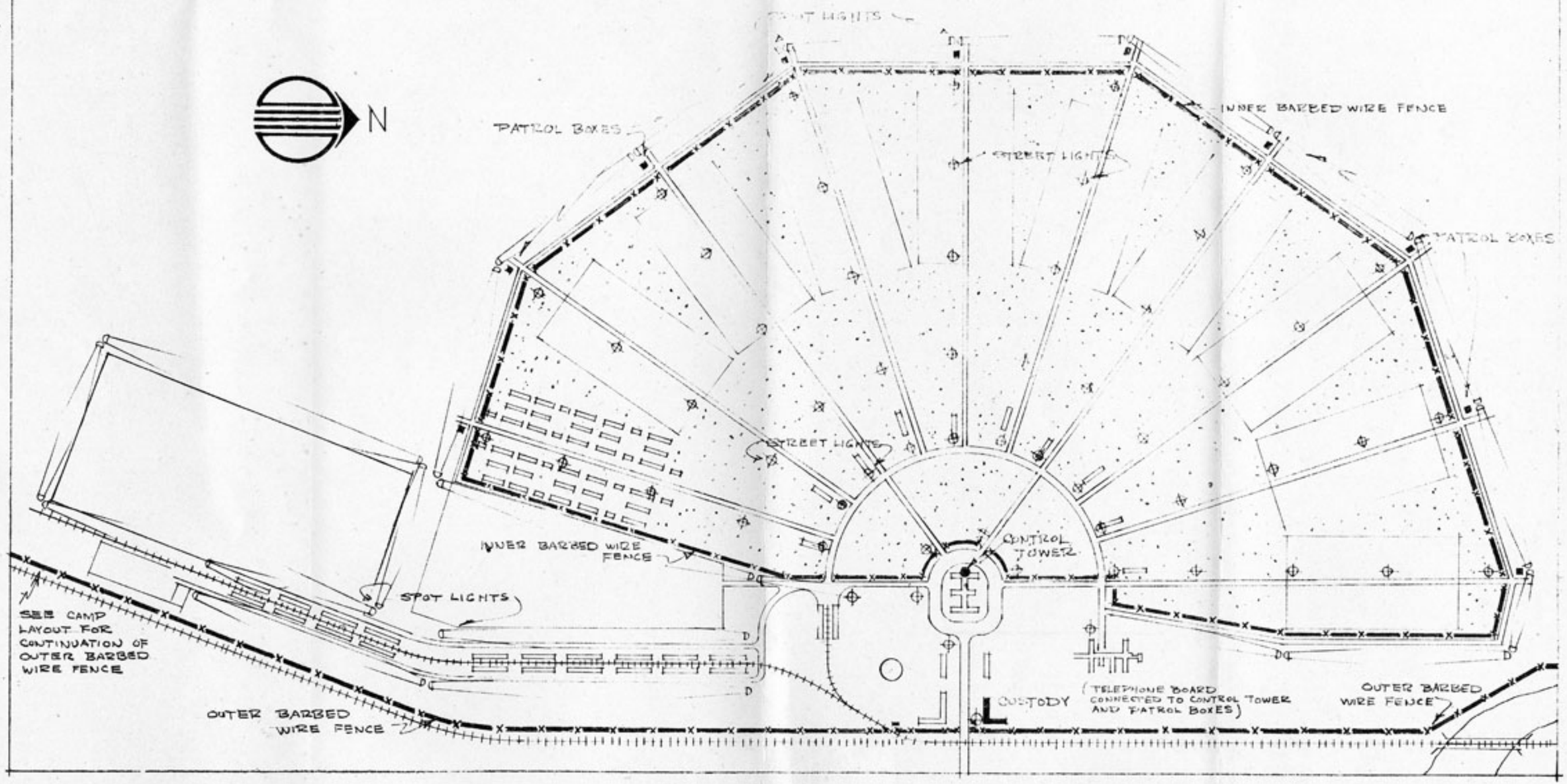
CAMP HOSPITAL, WAREHOUSE, ADMINISTRATION



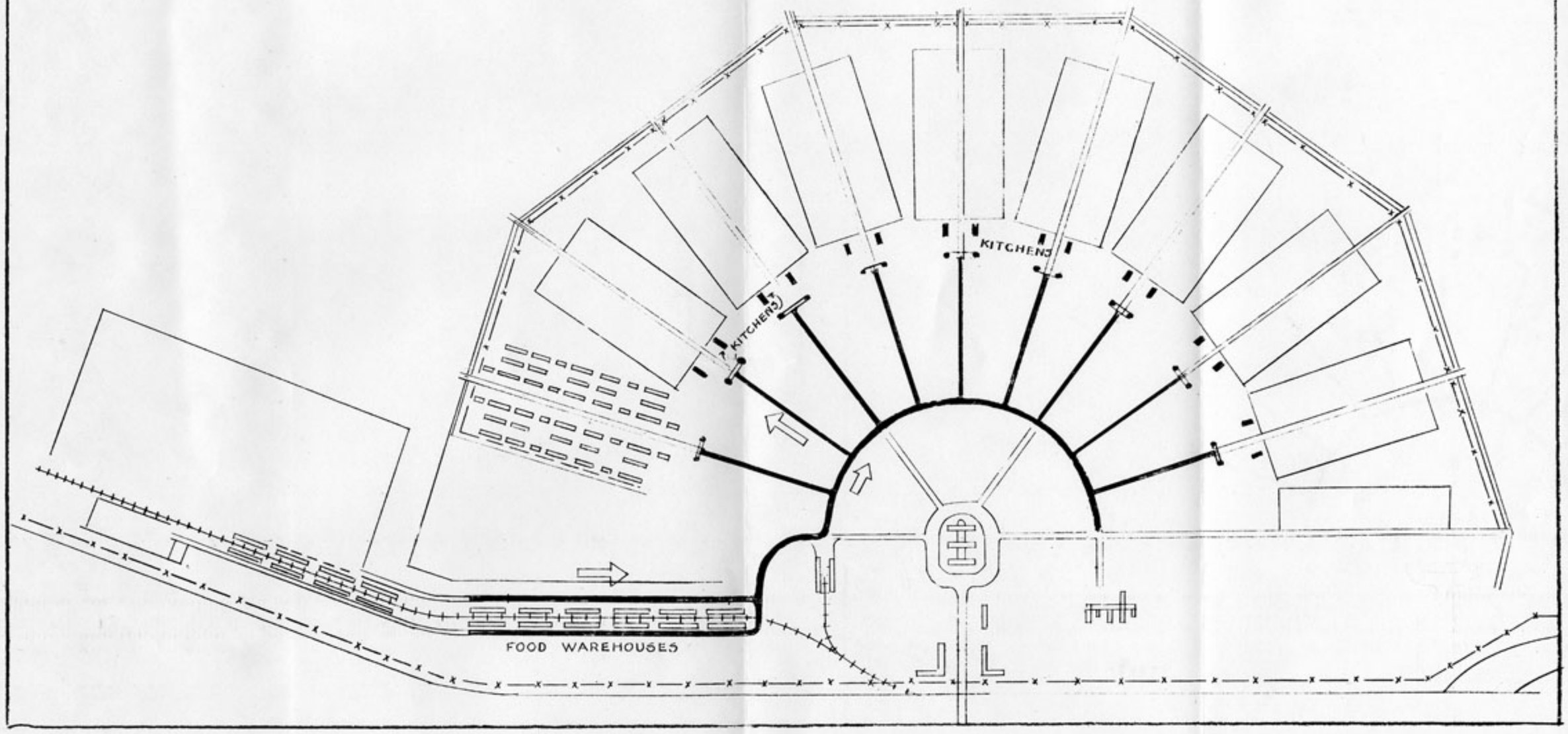
CAMP BATH-HOUSE, TOILETS, KITCHEN



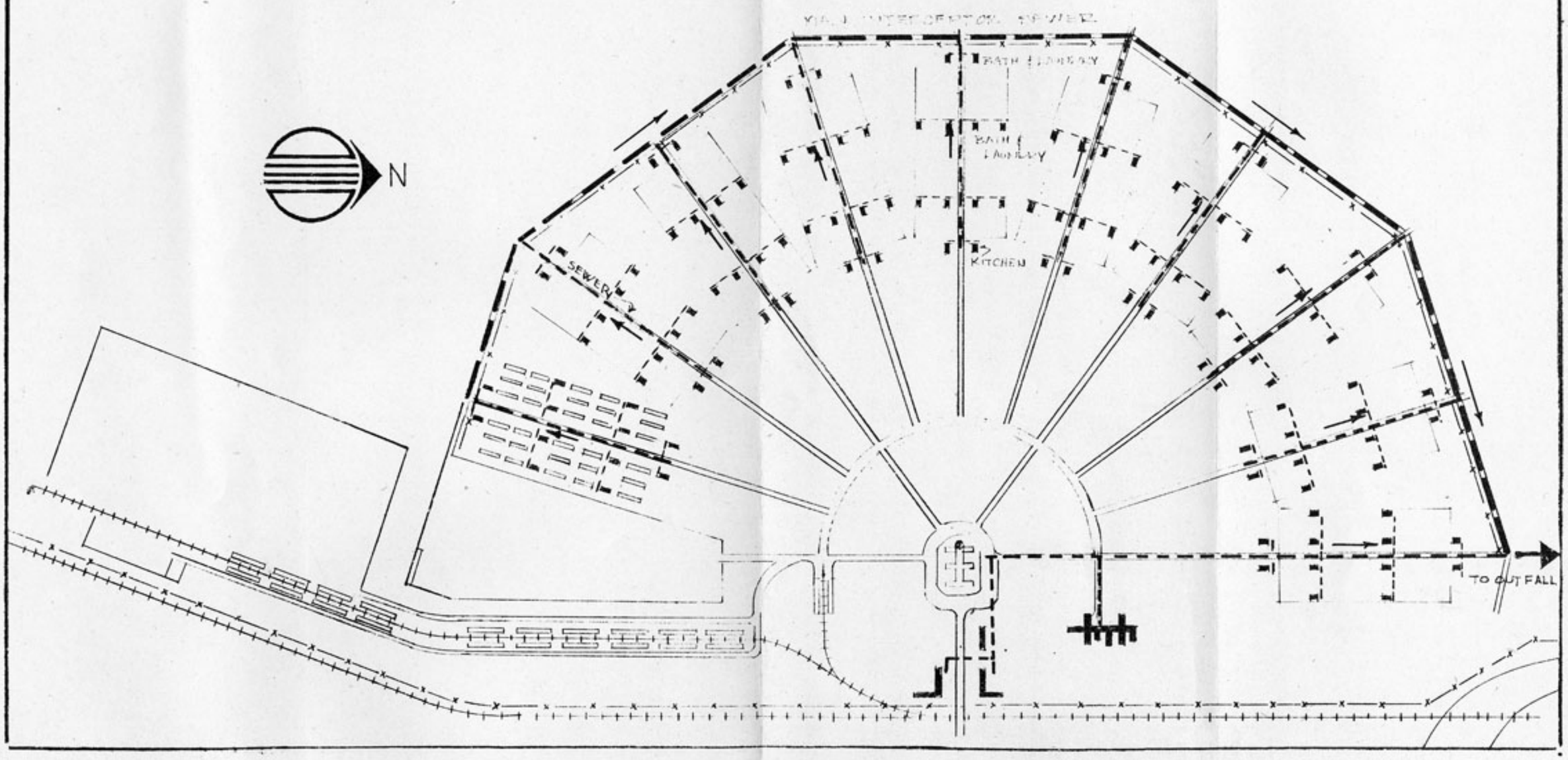
SECURITY PLAN FOR REFUGEE CAMP IN THE TAIHOKU REGION



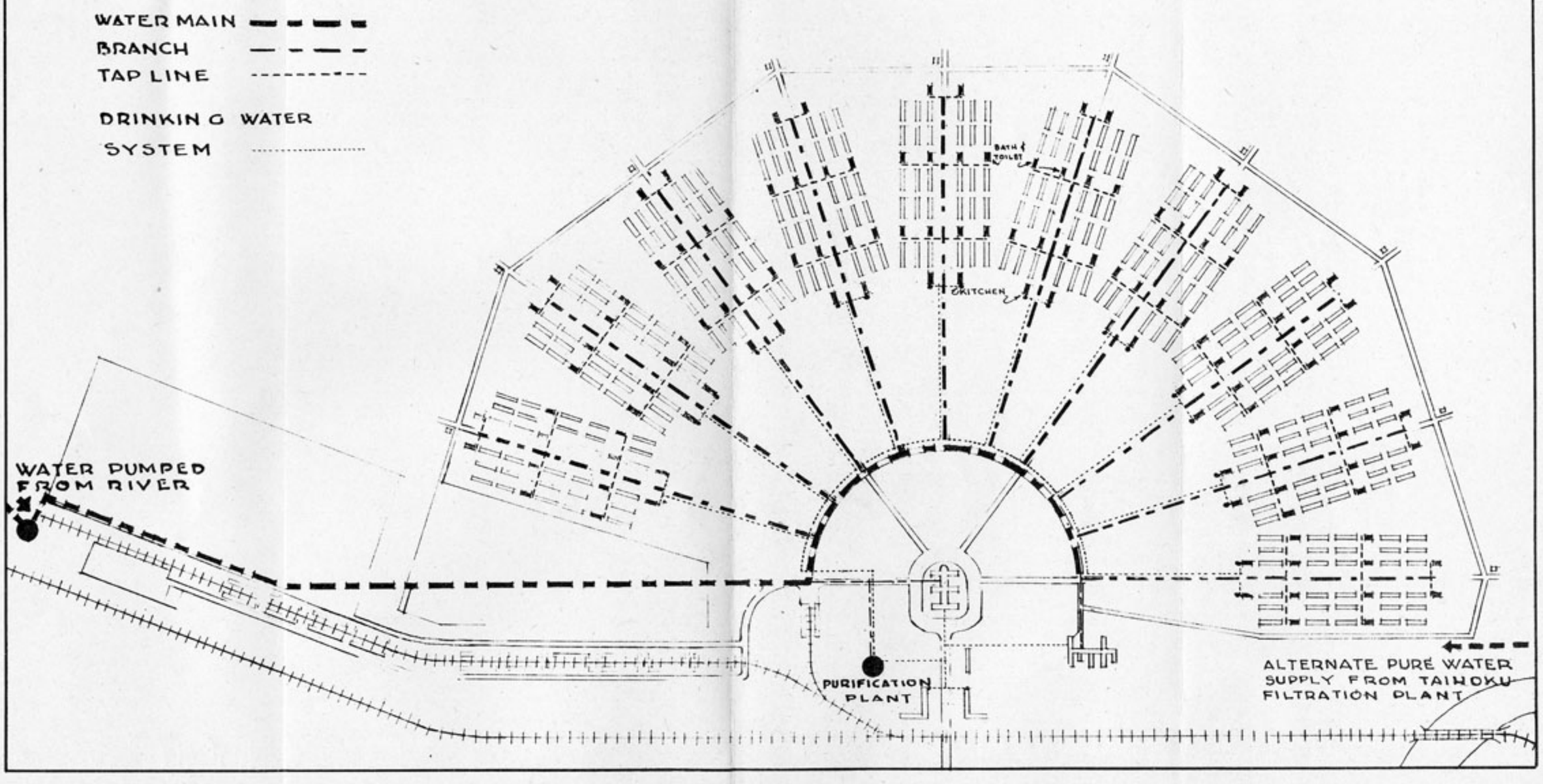
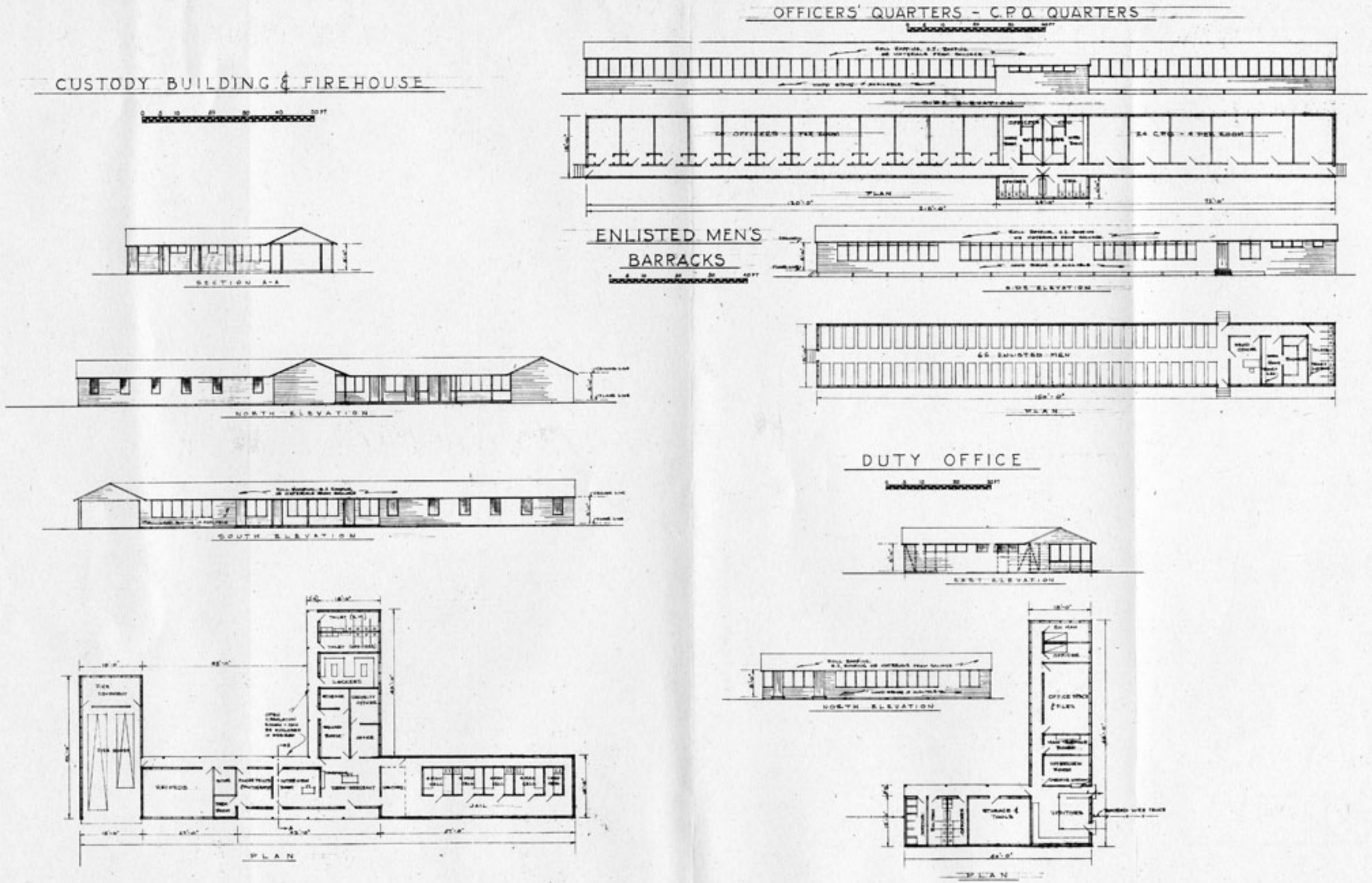
FOOD DISTRIBUTION PLAN



LAUNDRY AND BATH DRAINAGE FOR REFUGEE CAMPS IN THE TAIHOKU REGION



WATER DISTRIBUTION SYSTEM FOR REFUGEE CAMP IN THE TAIHOKU REGION



CAMP CUSTODY, DUTY OFFICE, PERSONNEL QUARTERS