DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO.

GHQ/SCAP Records (RG 331, National Archives and Records Service)

Description of contents

(1) Box no. 3012

(2) Folder title/number: (2)
Nippon Oil Co. Kudamatsu Refinery

(3) Date: July 1948 - Aug. 1950

(4) Subject:

Classification	Type of record
9621	z

(5) Item description and comment:
Chugoku

(6) Reproduction: (Yes) No

(7) Film no. Sheet no.

(Compiled by *National Diet Library*)

DECLASSIFIED E.O. 12065 SECTION 3 402/MDS NT

FIELD TRIP REPORT

H.C. KEISEL

Kudamatsu
30 August 1950

1. Purpose:

Inspection of Kudamatsu Oil Refinery Plant of Nippon Oil Company (Mil. Ars. Oil St. 45-28), Kudamatsu City, Yamaguchi Prefecture.

2. Reference:

Surveillance in accordance with O.D. 11.

3. Discussion:

Conferees:

Mr. Kuwahara, Manager and his staff.

The Arabian Crude Oil that had been scheduled to arrive previously was actually received as follows:

Date of receipt,	29 August 1950.
Name of ship,	Mission Santa Clara.
Quantity,	110,000 bbl (Approx. 17,600 kl.)
Date of departure of the ship,	30 August 1950.
Production (through-put) Capacity	6,000 bbl per day
Actual production authorized,	4,000 bbl per day
	120,000 bbl per month

As the content of wax in the Arabian Crude Oil is rather high and consequently a considerable quantity of wax must be eliminated from the lubricant stock the plant is carrying out construction and rehabilitation work in order to increase the present deawxing production of 150 barrels per day to 480 barrels by the end of 1950, for which the plant has received authorization from GHQ. The plant will hire 25 more people when the projected dewaxing unit is completed.

Status of permanent employees:

Classification	Male	Female
Office worker	49	18
Technician	38	-
Shop worker	338	-
Total	425	18

DECLASSIFIED E.O. 12065 SECTION 3 402/MDS MS

NOTE: In addition to the above, the plant employs an average of 10 casual workers and 700 legitimate contract workers per day to do miscellaneous jobs.

4. Conclusions:

The plant received 110,000 bbl of Arabian Crude Oil 29 August 1950.

Expansion work is in progress to increase the present production of the dewaxing unit from 150 barrels to 480 barrels per day by the end of 1950.

5. Recommendations:

None.

HENRY C. KEISEL
Chief, Economics Section

D/HCK/fk

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

THE HIROSHIMA INTERNATIONAL TRADE & INDUSTRY BUREAU

7 August 1950

Serial No. : 25 Hiro Tsu San Nen 1271

To : Chief, Chugoku Civil Affairs Region

Subject : Operation of Pacific Coast Refineries in Chugoku Region

In accordance with your memorandum CCAR 463.8 (D-St) dated 6 July 1950 regarding the subject matter, we have the honour of submitting a report as per enclosed sheet.

for Y. HARA
Director, Hiroshima
International Trade
& Industry Bureau

Y. Iketaka

Enclosure as mentioned

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

LIST OF PRODUCTION PLAN AND ACTUAL RESULT AT KUDAMATSU REFINERY

July, 1950

(Unit: Bbls)

	Plan	Result
MATERIAL		
Crude Oil	123,893	123,893
Semi Products	629	-
Total	124,522	123,893
PRODUCT		
Motor Gasoline	26,986	26,495
Kerosene	2,516	2,497
B Diesel Oil	31,445	51,658
C Fuel Oil	44,193	24,735
Turbine Oil	1,132	918
Machine Oil	943	1,063
Mobile Oil	1,257	2,063
Diesel Engine Oil	943	943
Axle Oil	692	792
Straight Asphalt	9,434	5,660
Blown Asphalt	1,887	2,283
Total	121,428	119,107
Semi Products	-	1,836
Refinery Loss	3,094	2,950
Home Fuel	7,434	6,811
HOME FUEL		
B Diesel Oil	-	-
C Fuel Oil	7,434	6,811
Total	7,434	6,811
CRUDE OIL		
Carried Forward		233,410
Loss		572
SEMI PRODUCTS		
Carried Forward		19,471
Loss		201
Item Carried Forward		
Gasoline - D		1,516
Kerosene - D		1,943
Gas Oil - D		5,968
Fuel - D		1,013
Lubricant-D		9,031
Total		19,471

Stock of asphalt carried forward 4,795 KL

Stock of B Heavy oil " " 89,769.186 Bbl.

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

Nippon Oil Co
Kudamatsu

HIROSHIMA INTERNATIONAL TRADE & INDUSTRY BUREAU

13 July 1950

Serial No. : 25 Hiro Tsu San Nen 1121

To : Chief, Chugoku Civil Affairs Region

Subject : Operation of Pacific Coast Refineries in Chugoku Region

In accordance with your memorandum CCAR 463.8 (D-St) dated 6 July 1950 regarding the subject matter, we have the honour of submitting a report as per enclosed sheet.

H. Ibayashi

for Y. Hara
Director, Hiroshima International
Trade & Industry Bureau

DECLASSIFIED E.O. 12065 SECTION 3-402/NND No.

LIST OF PRODUCTION PLAN AND ACTUAL RESULT AT KUDAMATSU REFINERY

(Unit : Bbls)

	February		March		April		May		June		Total	
	Plan	Result	Plan	Result	Plan	Result	Plan	Result	Plan	Result	Plan	Result
MATERIAL												
Crude oil	88,046	73,682	119,491	75,493	120,120	122,761	161,627	189,708	164,143	138,358	653,427	600,002
Semi product	-	-	21,232	5,207	2,603	11,515	2,101	-	3,201	16,333	29,137	33,055
Total	88,064	73,682	140,723	80,700	122,723	134,276	163,728	189,708	167,344	154,691	682,564	633,057
PRODUCT												
Motor gasoline	21,898	10,660	31,910	19,125	28,533	26,665	30,213	39,124	35,753	34,558	148,307	130,132
Kerosene	3,019	717	5,930	1,465	2,264	3,120	2,515	2,723	2,516	2,553	16,244	10,578
B Diesel oil	20,062	4,295	28,300	18,332	33,835	45,275	50,312	42,860	44,023	44,822	176,532	155,584
C fuel oil	18,716	21,597	28,584	28,301	31,137	39,312	55,696	61,858	64,299	50,268	198,632	201,336
Turbine oil	2,086	187	1,245	824	1,648	1,812	1,509	1,560	1,510	623	8,000	4,126
Machine oil	8,717	1,006	5,346	1,723	2,641	925	1,176	1,182	-	38	17,880	4,874
Mobile oil	-	-	711	616	1,887	679	2,201	2,201	2,201	2,258	7,000	5,754
Diesel engine oil	1,214	-	2,264	76	1,673	1,773	969	968	943	937	7,063	3,754
Axle oil	440	-	692	264	692	855	692	548	691	786	3,207	2,453
Straight asphalt	8,804	8,597	13,836	3,956	7,547	8,610	9,434	10,314	9,438	9,672 (3) 10,954	49,054	41,149
Blown asphalt	396	-	-	428	3,144	3,144	1,887	1,937	1,887	2,516	7,314	8,025
Total	85,354	46,979	118,818	75,110	115,001	131,370	156,804	165,275	163,256	149,031	639,233	567,765
Semi product	-	26,043	17,226	3,188	2,100	-	1,987	19,792	-	2,767	21,313	51,790
Refinery loss	2,692	660	4,679	2,402	5,622	2,906	4,937	4,641	4,088	2,893	22,018	13,502
Home fuel	5,283	4,421	7,169	4,402	7,547	6,384	9,685	11,383	9,849	8,308	39,533	34,898

Semi product	-	-	21,232	5,207	2,609	11,515	2,101	-	[illegible]	[illegible]	[illegible]	[illegible]
Total	88,064	73,682	140,723	80,700	122,723	134,276	163,728	189,708	167,344	154,691	682,564	633,057
PRODUCT												
Motor gasoline	21,898	10,660	31,910	19,125	28,533	26,665	30,213	39,124	35,753	34,558	148,307	130,132
Kerosene	3,019	717	5,930	1,465	2,264	3,120	2,515	2,723	2,516	2,553	16,244	10,578
B Diesel oil	20,062	4,295	28,300	18,332	33,835	45,275	50,312	42,860	44,023	44,822	176,532	155,584
C fuel oil	18,716	21,597	28,584	28,301	31,137	39,312	55,896	61,858	64,299	50,268	198,632	201,336
Turbine oil	2,088	187	1,245	824	1,648	1,012	1,509	1,560	1,510	623	8,000	4,126
Machine oil	8,717	1,806	5,346	1,723	2,641	925	1,176	1,122	-	38	17,880	4,874
Mobile oil	-	-	711	616	1,887	679	2,201	2,201	2,201	2,258	7,000	5,754
Diesel engine oil	1,214	-	2,264	76	1,673	1,773	969	968	943	937	7,063	3,754
Axle oil	440	-	692	264	692	855	692	548	691	786	3,207	2,453
Straight asphalt	8,804	8,597	13,836	3,956	7,547	8,610	9,434	10,314	9,438	9,672 [3] [illegible]	49,054	41,149
Blown asphalt	396	-	-	428	3,144	3,144	1,887	1,937	1,887	2,516	7,314	8,025
Total	85,354	46,979	118,818	75,110	115,001	131,370	156,804	165,275	163,256	149,031	639,233	567,765
Semi product	-	26,043	17,226	3,188	2,100	-	1,987	19,792	-	2,767	21,313	51,790
Refinery loss	2,692	660	4,679	2,402	5,622	2,906	4,937	4,641	4,088	2,893	22,018	13,502
Home fuel	5,283	4,421	7,169	4,402	7,547	6,384	9,685	11,383	9,849	8,306	39,533	34,898

HOME FUEL

B Diesel oil	855	-	-	-	-	855
C fuel oil	3,566	4,402	6,384	11,383	8,306	34,043
Total	4,421	4,402	6,384	11,383	8,306	34,898

Crude Oil						
carry forward	27,420	166,281	147,747	168,690	133,138	
Loss	25	32	522	31	302	912
Semi Product						
carry forward	26,043	23,710	11,793	31,402	17,836	
Loss	-	314	402	183	-	899

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS

DECLASSIFIED E.O. 12065 SECTION 3 402/MR 93-

HIROSHIMA INTERNATIONAL TRADE & INDUSTRY BUREAU

6 July 1950

Serial No. : 25 Hiro Tsu San Nen 1080

To : Chief, Chugoku Civil Affairs Region

Subject : List of production plan and actual result at Kudamatsu Refinery, Nihon Sekiyu K. K.

Submitted herewith is a report on subject matter for June 1950. As to actual result, some changes may occur.

T. Iketake

.....

for Y. Hara,
Director, Hiroshima International
Trade & Industry Bureau

MANUFACTURING AND INDUSTRY FILE

Kudamatsu Oil Co.
Refinery

ZeoK 1436

DECLASSIFIED E.O. 12065 SECTION 3 NND

List Of Production Plan And Actual Result Kudamatsu Refinery

(Unit Bbl)

	February		March		April		May		June		Total	
	Plan	Result	Plan	Result	Plan	Result	Plan	Result	Plan	Result	Plan	Result
Material												
Crude oil	88.046	73.682	119.491	75.793	120.120	122.761	161.627	189.708	164.143	138.356	653.427	600.000
Semi product	—	—	21.231	5.207	2.604	11.515	2.106	—	3.201	31.395	29.142	48.117
Total	88.046	73.682	140.722	80.700	122.724	134.276	163.733	189.708	167.344	169.351	682.569	648.117
Product												
Motor gasoline	21.898	10.662	31.910	19.124	28.533	26.665	30.212	39.124	35.752	34.621	148.305	130.196
Kerosene	3.019	716	5.930	1.465	2.264	3.119	2.516	2.723	2.516	2.591	16.245	10.614
B diesel oil	20.062	4.295	28.300	18.332	33.835	45.275	50.312	42.860	44.023	44.821	176.532	155.583
C fuel oil	18.716	21.596	28.584	28.300	31.137	39.313	55.897	61.859	64.299	50.268	198.633	201.336
Turbine oil	2.088	107	1.245	824	1.648	1.013	1.509	1.560	1.509	635	7.999	4.139
Machine oil	8.717	1.006	5.345	1.723	2.641	9.24	1.176	1.182	—	—	17.879	4.835
Mobile oil	—	—	711	616	1.886	679	2.201	2.201	2.201	2.258	6.999	5.754
Diesel [illegible] oil	1.214	—	2.264	75	1.673	1.773	968	968	943	943	6.762	3.757

Material												
Crude oil	88.046	73.682	119.491	75.493	120.120	122.761	161.627	189.708	164.143	138.356	653.427	600.000
Semi product	—	—	21.231	5.207	2.604	11.515	2.106	—	3.201	31.395	29.142	48.117
Total	88.046	73.682	140.722	80.700	122.724	134.276	163.733	189.708	167.344	169.351	682.569	648.117
Product												
Motor gasoline	21.898	10.662	31.910	19.124	28.533	26.665	30.212	39.124	35.752	34.621	148.305	230.196
Kerosene	3.019	716	5.930	1.465	2.264	3.119	2.516	2.723	2.516	2.591	16.245	10.614
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C fuel oil	18.716	21.596	28.584	28.300	31.137	39.313	55.897	61.859	64.299	50.268	198.633	201.336
Turbine oil	2.088	107	1.245	824	1.648	1.013	1.509	1.560	1.509	635	7.999	4.139
Machine oil	8.717	1.006	5.345	1.723	2.641	9.24	1.176	1.182	—	—	17.879	4.835
Mobile oil	—	—	711	616	1.886	679	2.201	2.201	2.201	2.258	6.999	5.754
Diesel engine oil	1.214	—	2.264	75	1.673	1.773	968	968	943	943	6.762	3.759
Axle oil	440	—	691	264	691	855	691	547	691	786	3.204	2.452
Straight asphalt	8.804	8.597	13.835	3.955	7.547	8.548	9.433	10.314	9.433	10.050	49.052	41.464
Blown asphalt	397	—	—	428	3.144	3.169	1.887	1.937	1.887	2.591	7.315	8.125
Total	85.355	46.979	118.815	75.106	114.999	131.433	156.802	165.275	163.254	149.564	639.225	568.357
Semi product	—	26.043	17.228	3.189	2.102	—	1.995	19.792	—	17.880	21.325	66.904
Ref. loss	2.691	660	4.679	2.405	5.623	2.843	4.936	4.641	4.090	2.307	22.019	12.856
Home fuel	5.283	4.421	7.169	4.402	7.546	6.383	9.685	11.383	9.848	8.301	39.531	34.890

Hiroshima Foreign Trade And Industry Bureau

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Kerosene	3.019	716	5.930	1.465	2.264	3.117	2.316	2.723	2.316	2.571	[illegible]	[illegible]
B diesel oil	20.062	4.295	28.300	18.332	33.835	45.275	50.312	42.860	44.023	44.821	176.532	155.583
C fuel oil	18.716	21.596	28.584	28.300	31.137	39.313	55.897	61.859	64.299	50.268	198.633	201.336
Turbine oil	2.088	107	1.245	824	1.648	1.013	1.509	1.560	1.509	635	7.999	4.139
Machine oil	8.717	1.006	5.345	1.723	2.641	9.24	1.176	1.182	—	—	17.879	4.835
Mobile oil	—	—	711	616	1.886	679	2.201	2.201	2.201	2.258	6.999	5.754
Diesel engine oil	1.214	—	2.264	75	1.673	1.773	968	968	943	943	6.762	3.759
Axle oil	440	—	691	264	691	855	691	547	691	786	3.204	2.452
Straight asphalt	8.804	8.597	13.835	3.955	7.547	8.548	9.433	10.314	9.433	10.050	49.052	41.464
Blown asphalt	397	—	—	428	3.144	3.169	1.887	1.937	1.887	2.591	7.315	8.125
Total	85.355	46.979	118.815	75.106	114.999	131.433	156.802	165.275	163.254	149.564	639.225	568.357
Semi product	—	26.043	17.228	3.189	2.102	—	1.995	19.792	—	17.880	21.325	66.904
Ref. ross	2.691	660	4.679	2.405	5.623	2.843	4.936	4.641	4.090	2.307	22.019	12.856
Home fuel	5.283	4.421	7.169	4.402	7.546	6.383	9.685	11.383	9.848	8.301	39.531	34.890

~~Hiroshima Foreign Trade And Industry Bureau~~

President

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

FIELD TRIP REPORT

16 June 1950

Interviewed Mr. Tamaji Kawahara, Superintendent, Kudamatsu Refinery of Nippon Oil Company.

Brief Background

Nippon Oil Company was dissolved immediatly after the end of the war. However, a small number of employee was rehired to continue operation with the stock of crude oil on hand until SCAP directive to suspend operation of all the Pacific coast oil refineries was issued on September 1946. Since there remained some more stock pile of crude oil in the former Japanese Naval Fuel Depot in Kudamatsu, the company applied for SCAP permission to continue operation until all the stock pile was exhausted. The permission was granted and the plant operated until the end of February 1947. At that time, the company employed about 250 employees. These employees were left on the payroll as maintenance crew continuously. The plant was re-opened on 3 February 1950 and has 409 employees today.

Labor Union

This plant forms a chapter of Nippon Oil Company Employees Union. The union is not affiliated with any national union. It was formerly affiliated with the Sanbetsu but the union seceded from it last year.

Trade agreement was concluded last September for term of one year. It has a union shop agreement. This chapter has 3 full time paid officials. There has been no labor trouble recently.

Allocation of Crude Oil

4000 barrels of crude oil are allocated per day on 30 days per month b basis. The plant has a capacity to process 6,000 barrels per day. Percentage loss figure on throughput is about 8%.

Bottleneck

Due to national shortage of supply of sulphuric acid (quality over 95%) the company finds difficulty in buying suphuric acid. This seems to be the only bottleneck in production. Sulphuric acid is supplied by Konoshima Chemical Company in Okayama Prefecture.

By Edwin Sakai

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

CRUDE OIL THROUGHPUT

Kudamatsu Refinery, Nippon Oil Company, Ltd.

June 16, 1950

Unit: Bbls.

MONTH	THROUGHPUT
February	74,201
March	75,496
April	122,759
May	189,705
June (Estimated)	158,000
TOTAL	620,161

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

REPORT ON EXISTING CIRCUMSTANCES

As of 1 April, 1950

1. Name of Factory: Kudamatsu Refinery of Nippon Oil Company, Ltd.

2. Location : # 757 Higashi Toyoi, Kudamatsu City, Yamaguchi Prefecture.

3. Industrial Classification: Oil Refining

4. Name of Staffs:

Company President	Yaichi Sasaki
Chief Managing Director	Junichi Kurita
Managing Director	Zenjuro Sato
" "	Osamu Kasahara
" "	Yonetaro Oka
Director	Seitaro Yamaguchi
"	Eisuke Kamimura
"	Hiroshi ~~Ii~~ Arai
"	Shigeru Hayashi
"	Katsujiro Kobayashi
Auditor	Hiroshi Nogami
"	Mokichi Sakka

5. Refinery Superintendent.....Tamiji Kuwahara

6. Capital Concern:
   Authorized capital of Nippon Oil Co., Ltd. ¥ 1,500,000,000.00
   (Capital fully paid-up) At present under registration formalities.

Asset Account of Kudamatsu Refinery (Fixed Assets) ¥74,258,868.56
As of December, 1949

Items	Amount
Land	1,543,916.84
Buildings	3,043,110.24
Structures other than buildings	1,484,862.56

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Items	Amount
Oil Tanks	648,711.46
Apparatus	2,674,164.97
Ships	2,414.45
Freight Car Equipment	1,509,149.48
Tools	2,280,430.65
Suspense Account for Construction	61,072,107.90
TOTAL	74,258,868.56
Stored Goods	46,079,971.51
Supplementary Raw Materials	1,287,651.51
Semi-manufactured Products	4,346,303.56
Manufactured Products	3,634,975.62
Containers	27,438,515.71
Short term Bond	17,823,437.19
Credit Bond	193,616.20
Prepaid Expenses	950,065.96
Cash in bank and on hand	697,764.83
Suspense Payment	20,674,337.29
Refinery Account	78,151,577.90
TOTAL	201,278,217.28
GRAND TOTAL	271,537,085.84

7. Plant & Equipment:

(1) Lot
Kudamatsu Refinery 56,970.27 'tsubo'
Suetake Oil Storage 32,878 'tsubo') Total 'tsubo' 89,848.27

(2) Dock 2
(3) Railroad Lines 3
(4) Foster-Wheeler Two Stage Distillation Unit 1
(5) Asphalt Converter 2
(6) Gasoline Treating Unit 1
(7) Kerosene Treating Unit 1

DECLASSIFIED E.O. 12065 SECTION 3 NLJ/NARS DATE

(8)	Machine Oil Treating Unit	1
(9)	Furfural Extraction Unit	1
(10)	Wax Unit	1
(11)	Aceton-Benzol Dewaxing Unit	1
(12)	Boiler	8

(13) Oil Storage Equipment

Approximately 3,500 meters northwest of the Refinery, there stands Suetake Oil Storage which the lot covers 32,000 'tsubo.' The place is equipped with seven (7) 115,000 barrel oil tanks. The oil runs through the two (2) 10-inch pipes between the Refinery and storage.

As for the other crude oil tanks:		
	150,000 barrels	1
	75,000 "	1
	12,000 "	1
Kerosene Tank:		
	31,000 "	1

8. Classification and Production Capacity:

Monthly Crude Oil Charged	150,000 barrels
Products.	
Motor Gasoline	34,500 "
W. W. Kerosene	9,600 "
Diesel Gas Oil	27,210 "
Lub. Oil	15,090 "
Lt. Fuel Oil	22,020 "
Bunker Fuel	24,240 "
Asphalt	3,000 "
Wax	1,320 "
Sub Total	136,980 "
Burner Fuel	9,600 "
Loss	3,420 "
Total	150,000 "

9. Manufactured Products:

Products	February	March
Motor Gasoline	1,695 KL	3,041 KL
W. W. Kerosene	114 "	233 "

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

Products	February	March
Lub. Oil	177 KL	557 KL
Lt. Fuel Oil	688 "	2,915 "
Bunker Fuel	3,437 "	4,500 "
Asphalt	1,367 "	697 "

10. Labor Situation:

In accordance to the labor union concerns no dispute has arose eversince the day strike of 23rd December 1945 demanding payment of year-end allowance. Furthermore, the labor union had affiliated previously with the National Liaison Congress of Labor Union and All Japan Congress of Industrial Labor Union however, in the sponsored union central conference of August 1949, a debate continued to withdraw from the said unions, and withdrew officially on 28 October.

Moreover, the re-election of the union staffs had taken place in October. The former Masao Nishimura was re-elected executive committee chairman of the branch office and still holds the office.

With regards to revision of Labor Union Laws effective as from 1 June 1949, the Refinery made a complete revision in the labor agreements dated 1 August, and it carries up to the present.

Due to the reopening of the Refinery approximately 100 laborers and technicians transferred from Niigata, Akita and Kashiwazaki Company at the end of last November. In the beginning of this January additional 51 laborers were employed. This completed the necessary number of employees based on the first construction project.

Number of Employees: (As of 20th March, 1950)

	Male	Female	
Office Employees	45	19	
Technicians	40	0	
Laborers	305	0	
TOTAL	390	19	409

11. Power Situation:

The Refinery finally reopened its operation on 3 February 1950. The necessary power is increasing gradually. Including today's estimation a 1,000 kilowatt contract had been signed at the time of 1949's application for electricity allotment of the months from January to March. Therefore, under the present circumstances, a possible operation can be predicted with this contract.

However, it is estimated that complete operation cannot be done with the mentioned contract in case the operation of this Refinery reaches to the normal due to complete consolidation of the remaining repair works.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NS: [illegible]

11. Power Rate Table:
Comparison Table for Old and New Fees.

TIME	CONTRACT	CONSUMED QUANTITY	MAX. POWER	DEMAND RATE	SPECIFIC RATE	TOTAL	REMARK
Nov. 1949	490 KW	53,690 KWH	-	66,150.00 (old basic rate)	61,281.00	127,431.00	
Dec. 1949	490 KW	48,380 KWH	270 KW	56,538.20	66,860.00	61,116.00	66,150 Balance (Old basic rate)
Jan. 1950	1000 KW	36,970 KWH	Power rate 50% Maximum Revision 230 KW	47,262.20	55,515.60	102,778.00	
Mar.(Estimate) 1950	1000 KW	132,830 KWH	420 KW	86,307.00	290,471.00	376,778.00	
Jun.(Estimate) 1950	1000 KW	260,000 KWH	750 KW	149,822.00	377,200.00	527,022.00	

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

CAPACITY OF UNITS AND FACILITIES

Kudamatsu Ref., N.O.C.

June, 1950

ITEM	CAPACITY
Foster-Wheeler Two Stage Distillation Unit	6,000 B/D
Batch Still	2 - 600 B 2 - 300 B
Gasoline Treating Unit	2,500 B/D
Batch Agitator	2 - 500 B
Furfural Treating Unit	400 B/D
B-K Dewaxing Unit	280 "
Contact Rerun Unit	210 "
T.E.L. Blending Unit	6,000 "
Boiler	2 - 12,000 Lbs/Hr 1 - 9,000 " 1 - 22,000 " (Coal Burning) 3 - 14,800 Lbs/Hr
Can Shop	4,500 Cans/D
Can Filling Unit	6,000 "
Drum Filling Unit	1,200 Drums/D
Tanks:	
Crude Oil	85,000 B
Semi Finished Products	61,000 "
Finished Products	228,000 "

CKPTU

DECLASSIFIED E.O. 12065 SECTION 3 402/MNSC NSC

REHABILITATION AND EXPANSION PLANNED

IN THE FUTURE

Kudamatsu Ref., H.O.C.

June, 1950

ITEMS	CAPACITY	E.T.C.	REMARKS
Gasoline Treating Unit	2,500 B/D	31 July	Rehabilitation
Cont. Lube Treat'g Unit	700 "	30 Sept	Reconstruction
Wax Sweater	110 "	20 July	12-pans, Reconstruction
Wax Mould	45 "	20 July	Reconstruction
B-K Dewaxing Unit	500 "	31 Dec.	Expansion
Reforming Unit	2,000 "	-	New
Testing Lab.	-	20 Aug.	Reconstruction
Main Office	-	31 Dec.	"
Drum Repair Shop	-	31 July	"
Pier	-	-	Expansion

CK:TU

DECLASSIFIED E.O. 12065 SECTION 3 462/NNSC NO.

NIPPON OIL COMPANY

Marunouchi, Chiyoda-ku,
Tokyo, Japan.

TEL.: MARUNOUCHI (23)
1121–3, 2170–9

CABLE ADDRESS:
NIPPONOIL, TOKYO

June 15, 1950.

To : Hon. Sotaro Takase
Ministry of International Trade & Industry.

From : Nippon Oil Company, Ltd.

Subject : Report on Completion of Transfer & Relocation of Tanks at Kudamatsu Refinery.

1. Permit No. & Date : 463.8 (14 Feb. 50) ESS/IND.
14 February 1950.

2. Completion Date : March 31, 1950.

3. Name & Address of Party Permit Granted to : Nippon Oil Company, Ltd.
10 3-chome, Marunouchi,
Chiyoda-Ku, Tokyo.

4. Name of Contractor : Hitachi Koji K. K.

5. Location of Work : Kudamatsu Refinery
Nippon Oil Company, Ltd.
Higashi-Toyoi, Kudamatsu-shi,
Yamaguchi-Ken.

6. Use :

Old No.	New No.	Capacity	Work	Use
115	244	31,400 BBL	Repairs	Heavy Oil
605	801	1,004.80	Relocation	Wax Oil
606	802	"	"	Stock Wax
425	702	6,280.00	"	Crude Lube
602	822	628.00	"	Sump Tank
504	112	408.20	"	Crude Lube
611	813	314.00	"	De-wax Oil
601	802	"	"	Stock Wax
225	722	1,004.80	"	Kerosene

Received by the ChugoKu
Liaison and Coordination Office
on 16 Oct. 1950.

DECLASSIFIED E.O. 12065 SECTION 3 402/MMB NO.

NIPPON OIL CO.

7. We hereby report the completion of repair and relocation of 9 tanks at Kudamatsu Refinery.

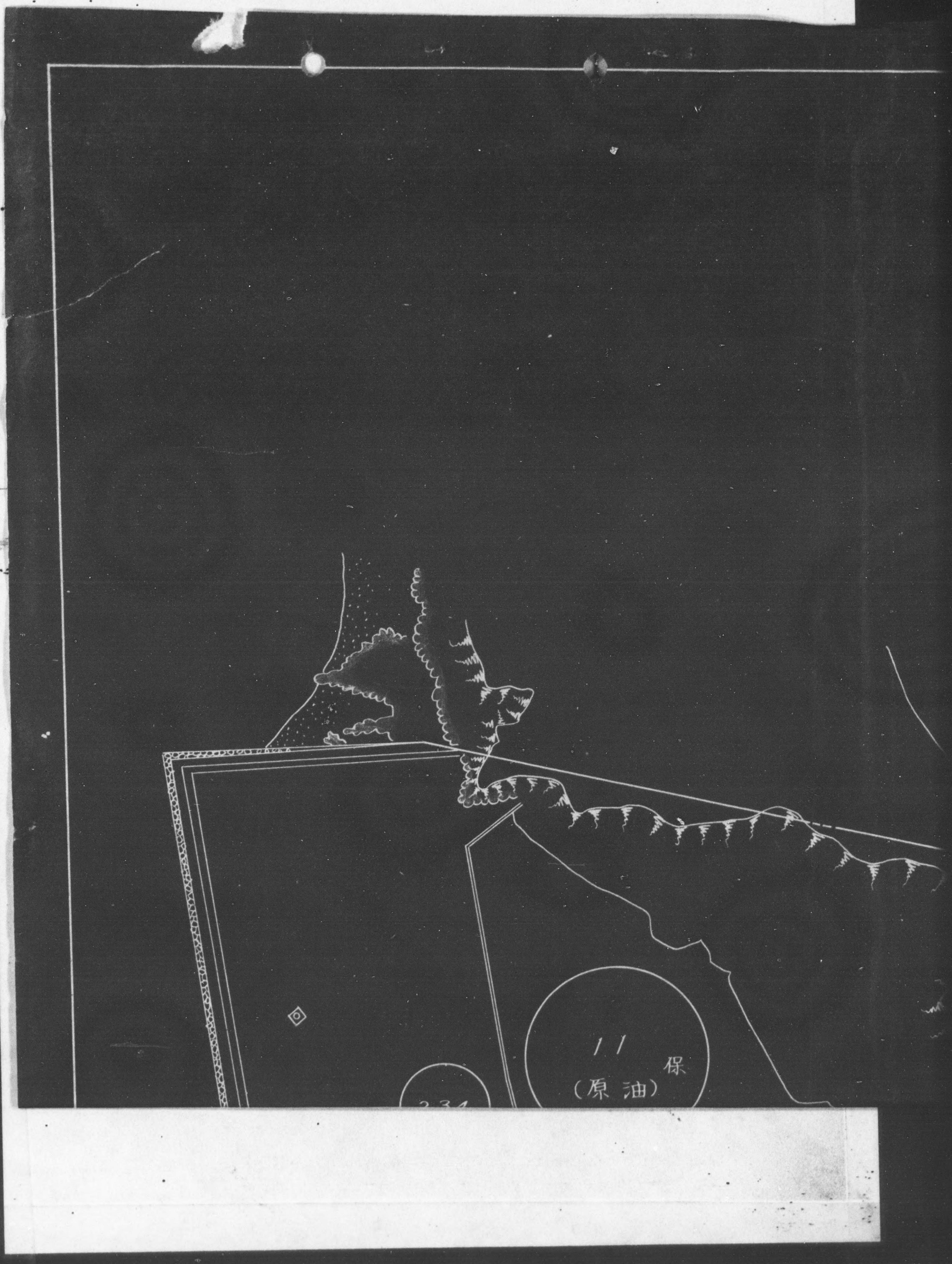
Yours truly,

Nippon Oil Company, Ltd.

Y. Sasaki Yaichi Sasaki
President

K-506

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



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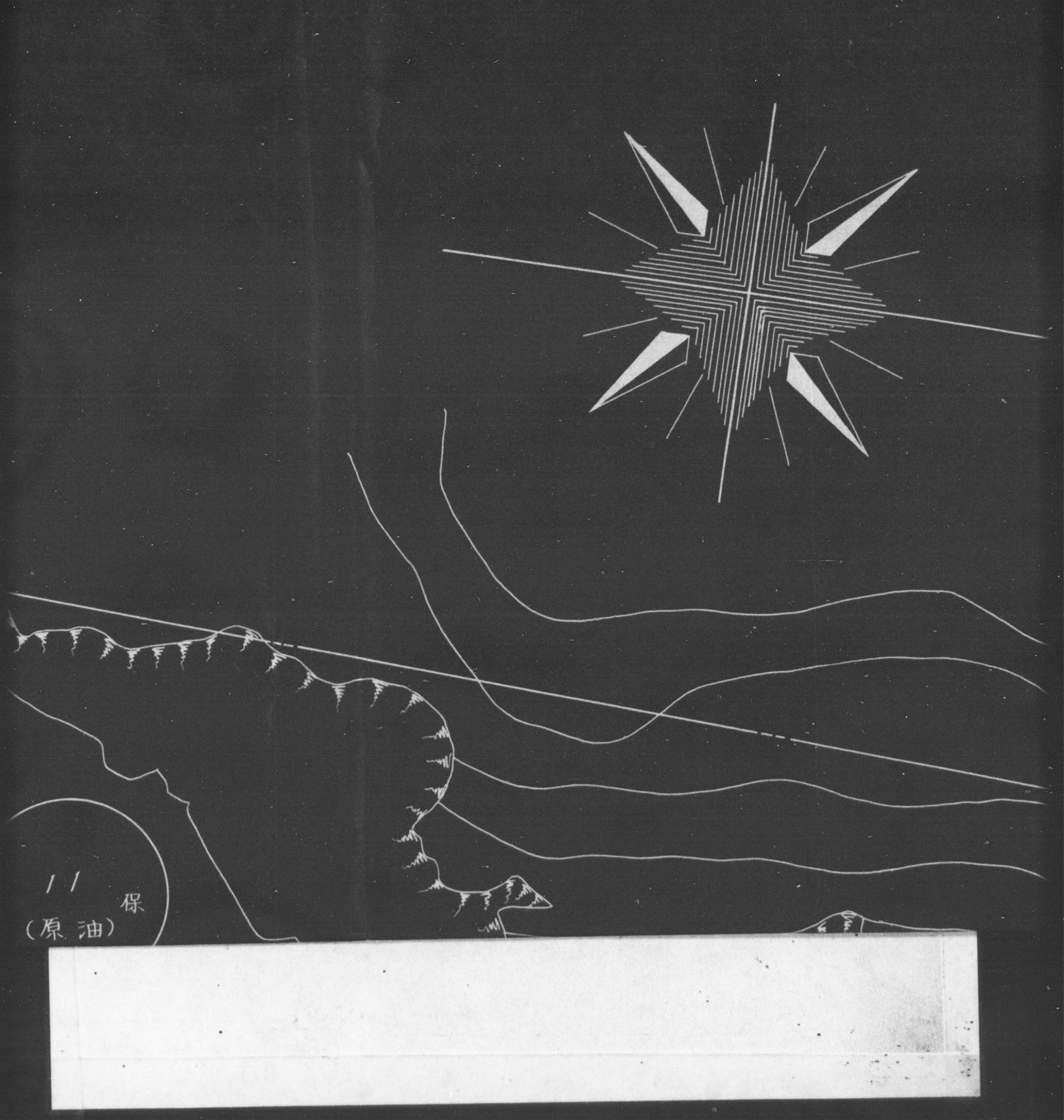

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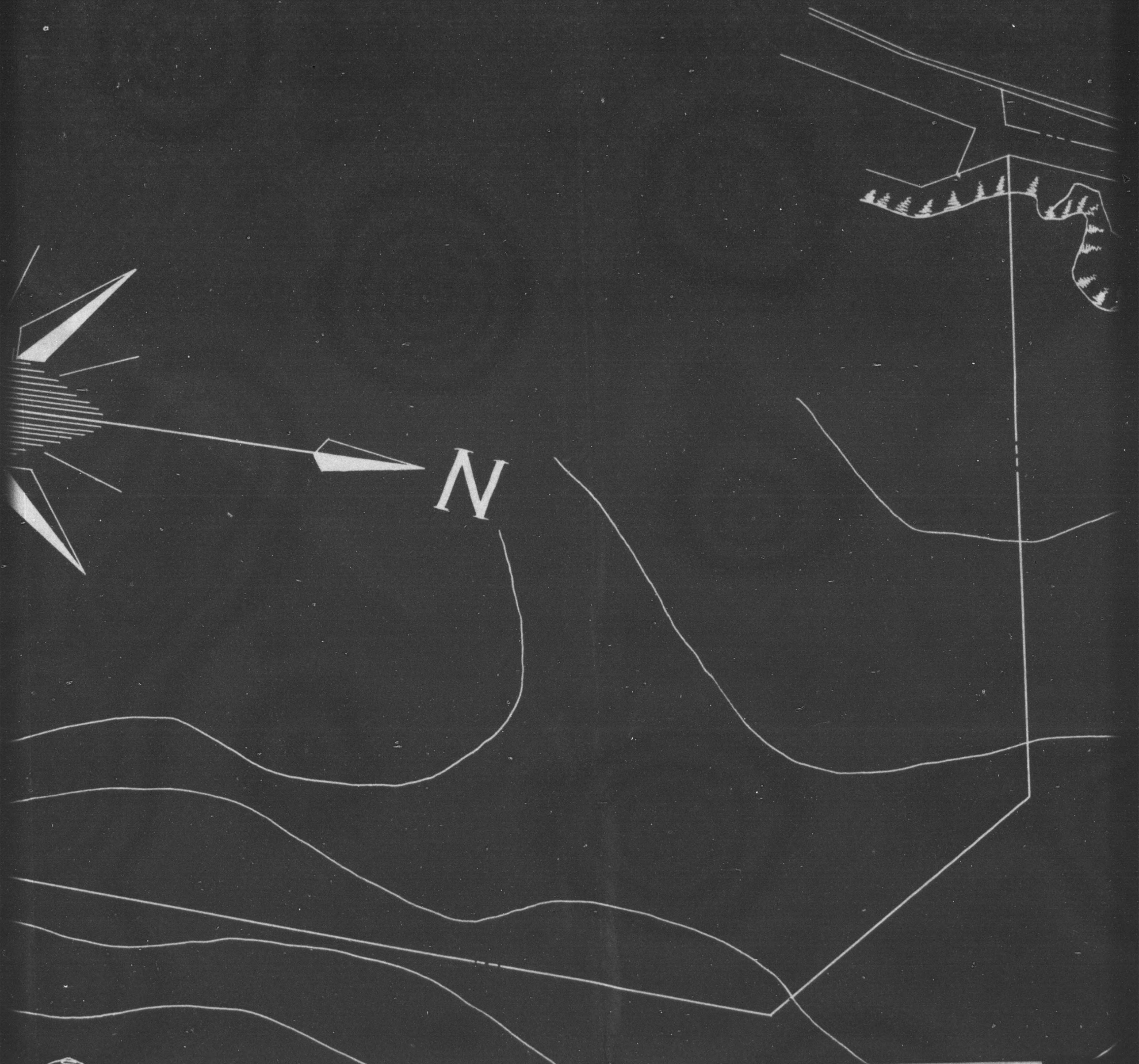

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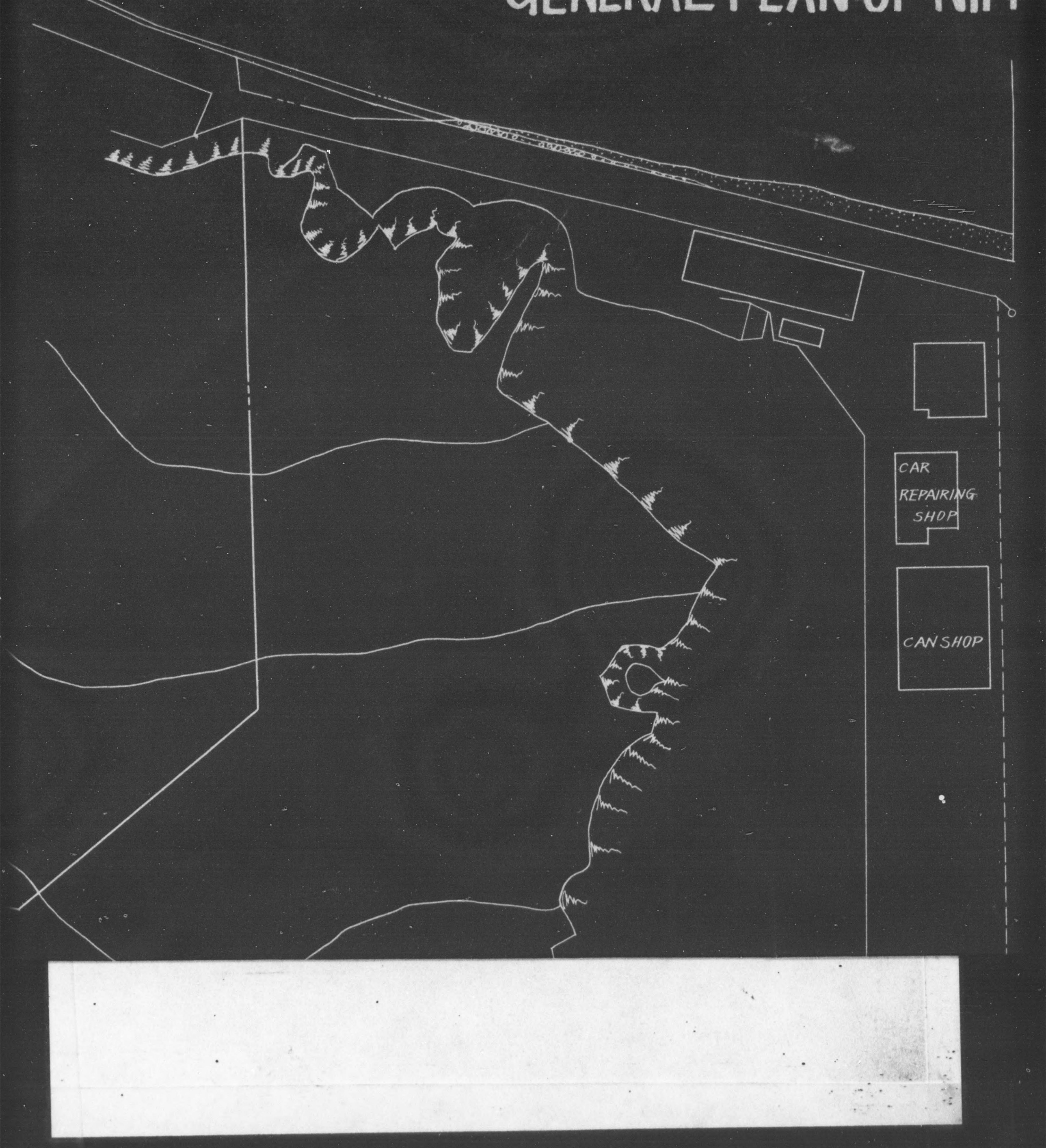
GENERAL PLAN OF NIPP



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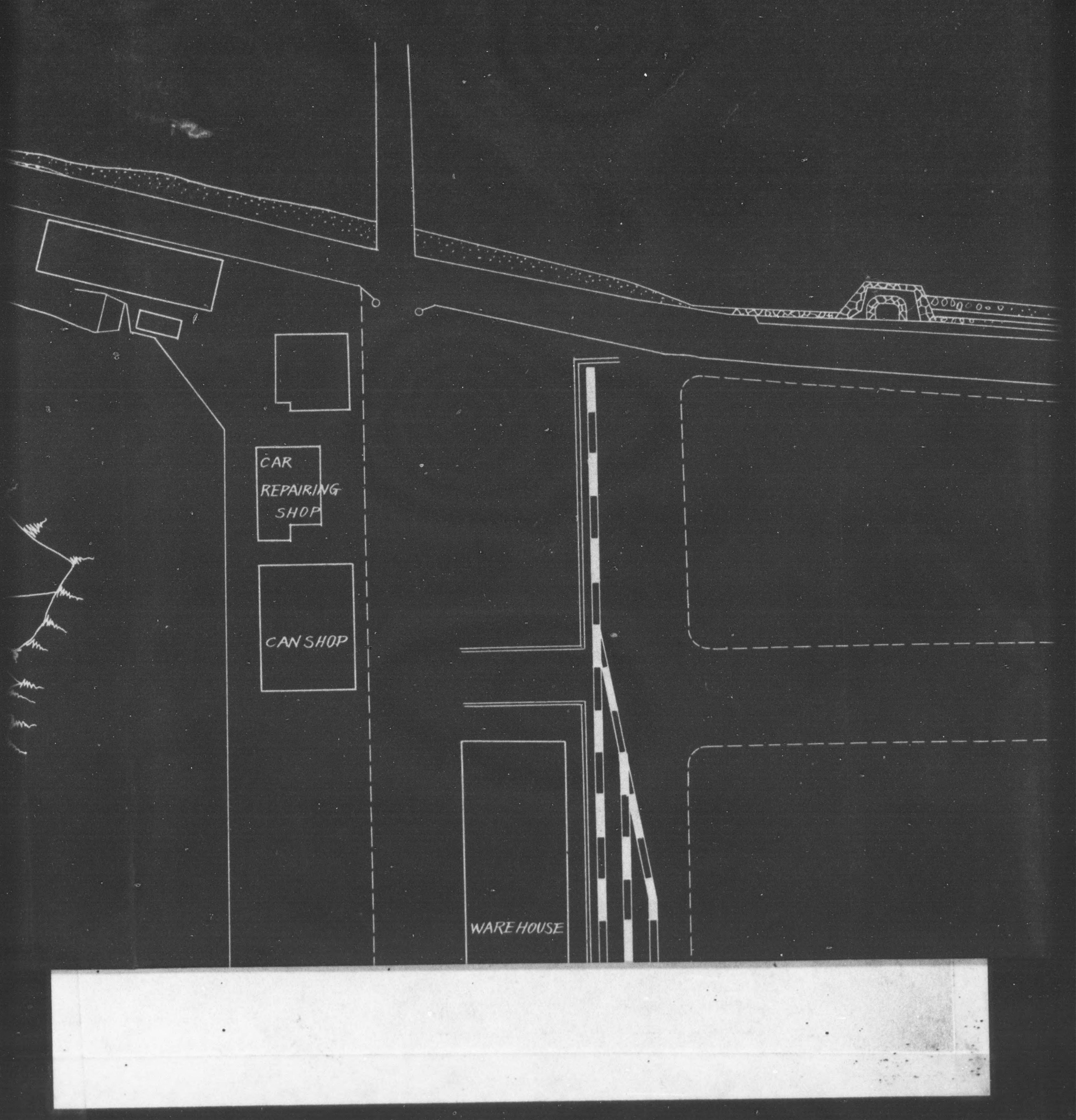
AL PLAN OF NIPPON OIL CO. LTD. KUDAMATSU



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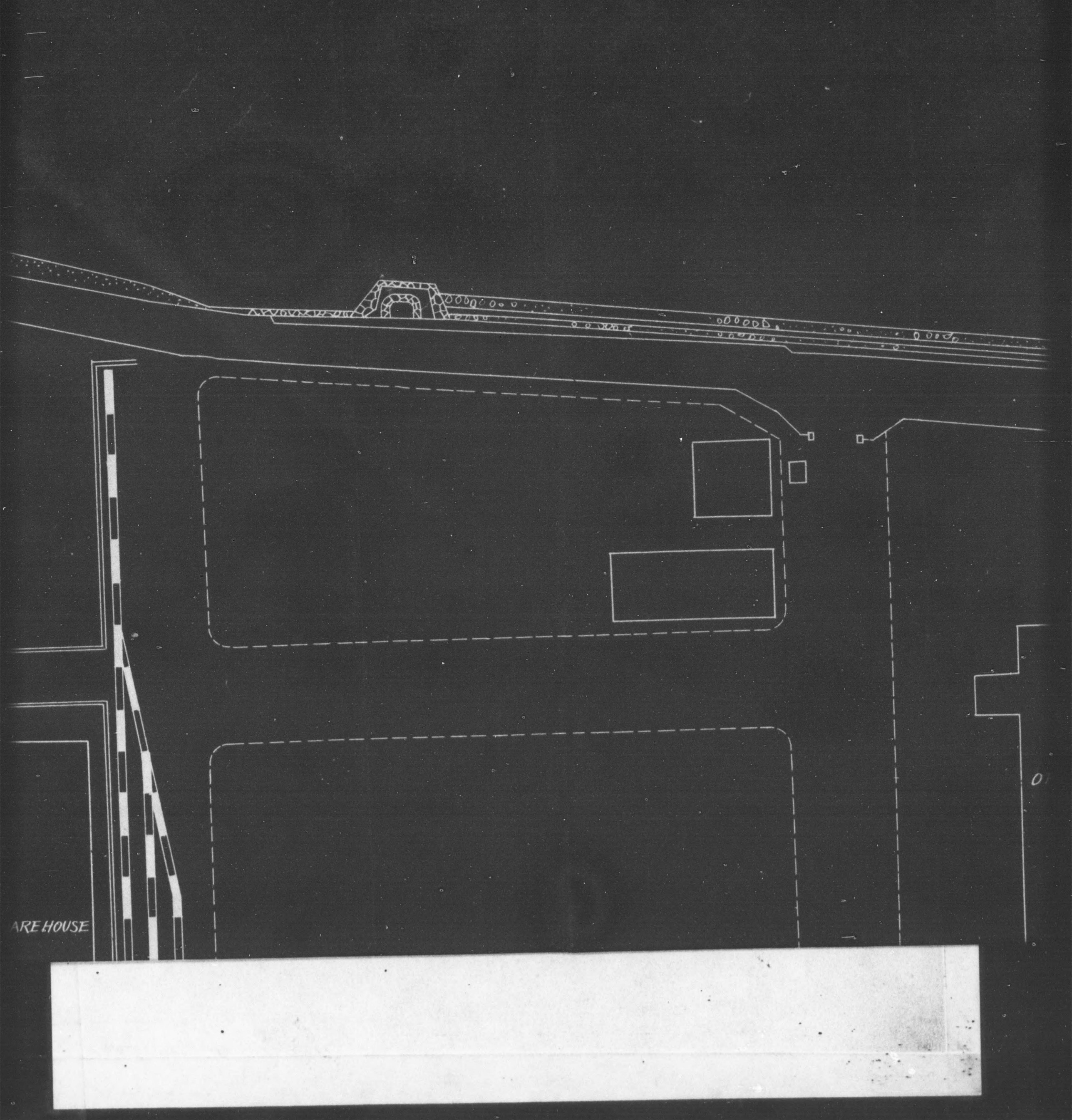
741 BENZOL ACETONE

IL CO. LTD. KUDAMATSU REFINERY.



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

SU REFINERY.

Scale 1:600

FE

OFFICE

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

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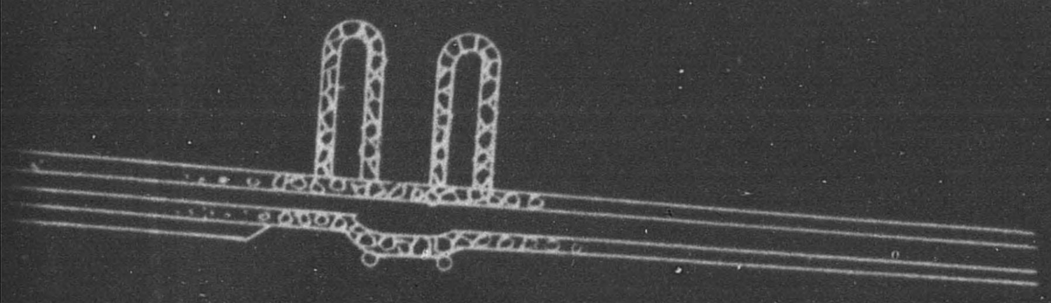
FEB. 1950



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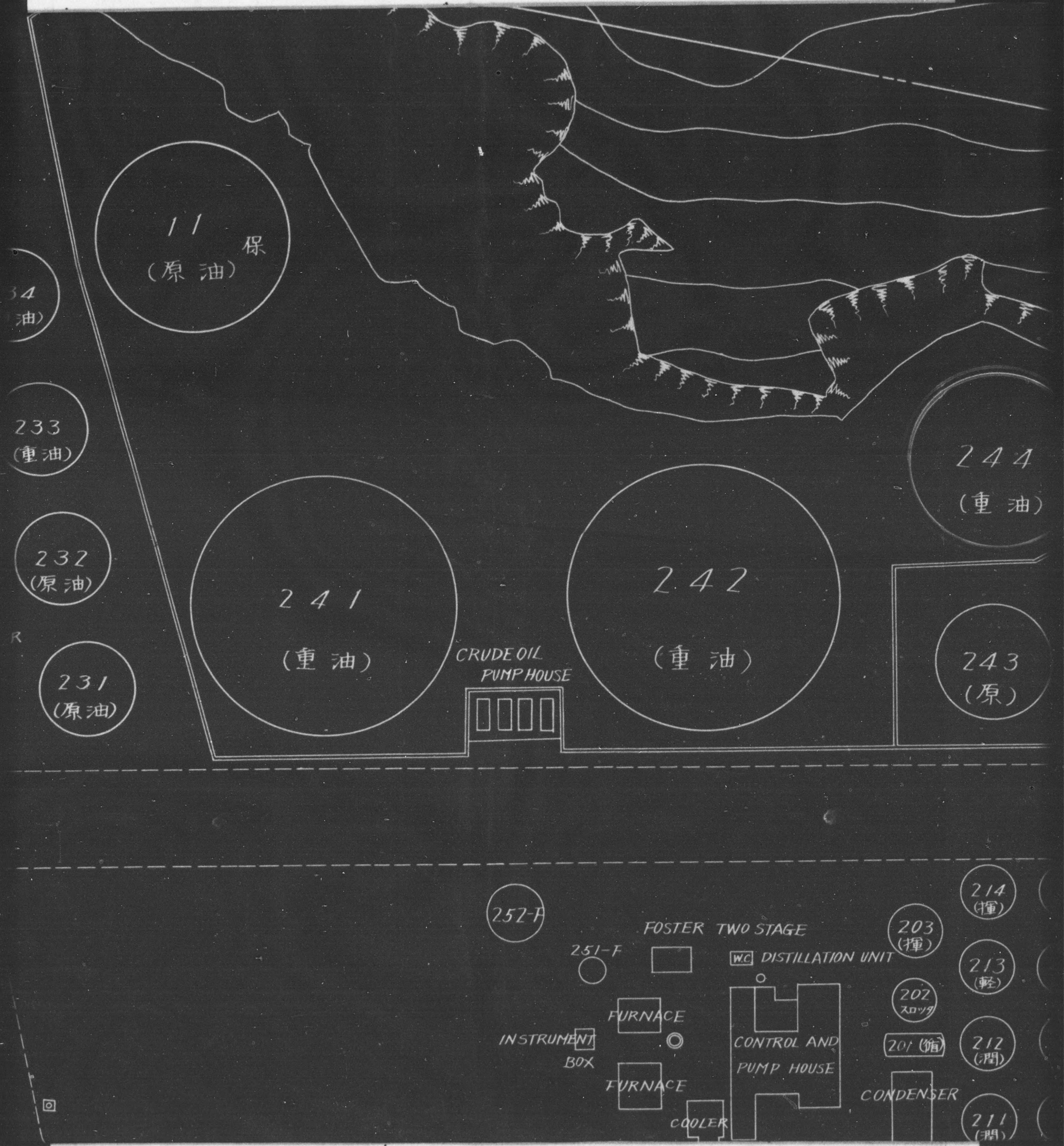

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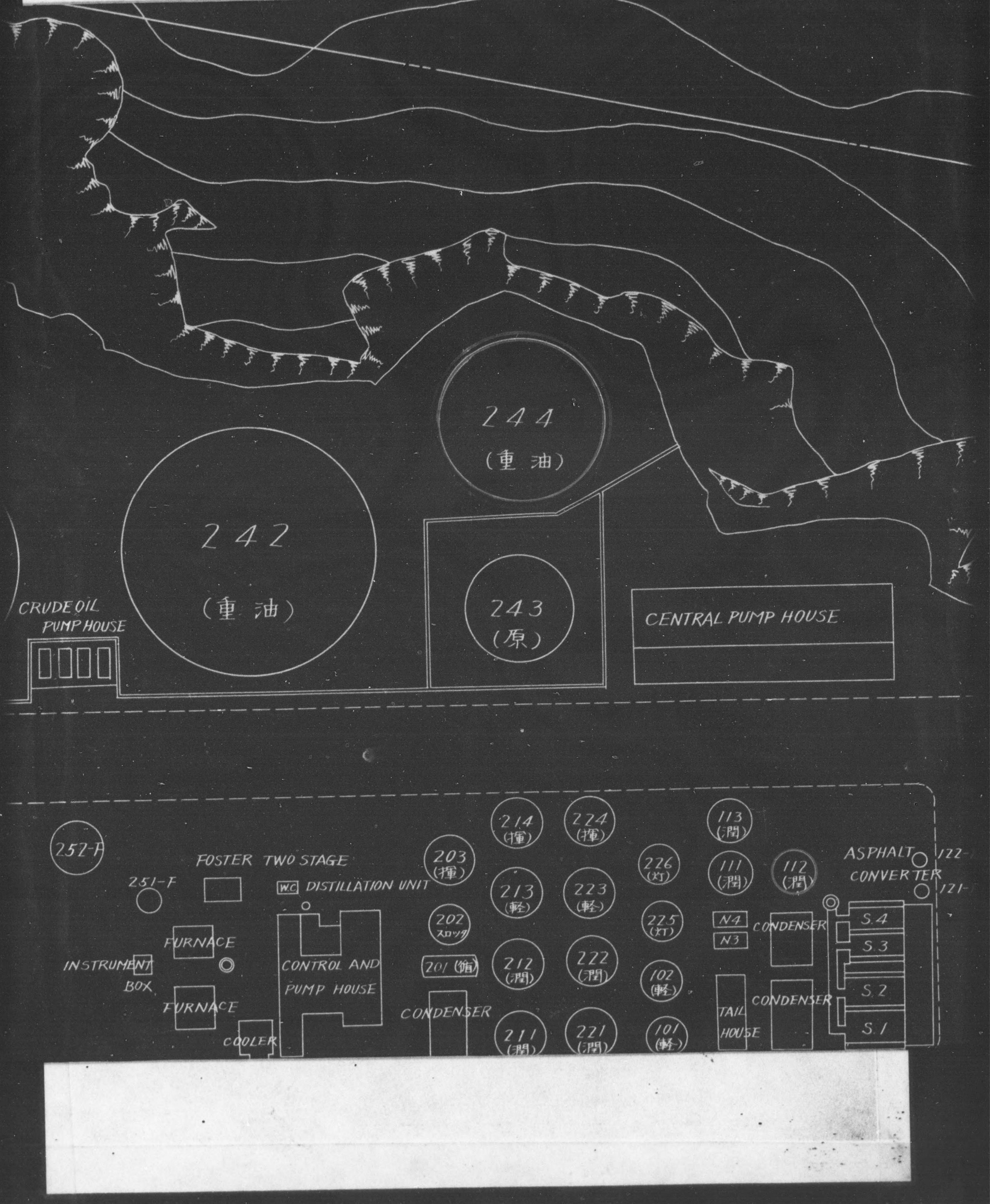

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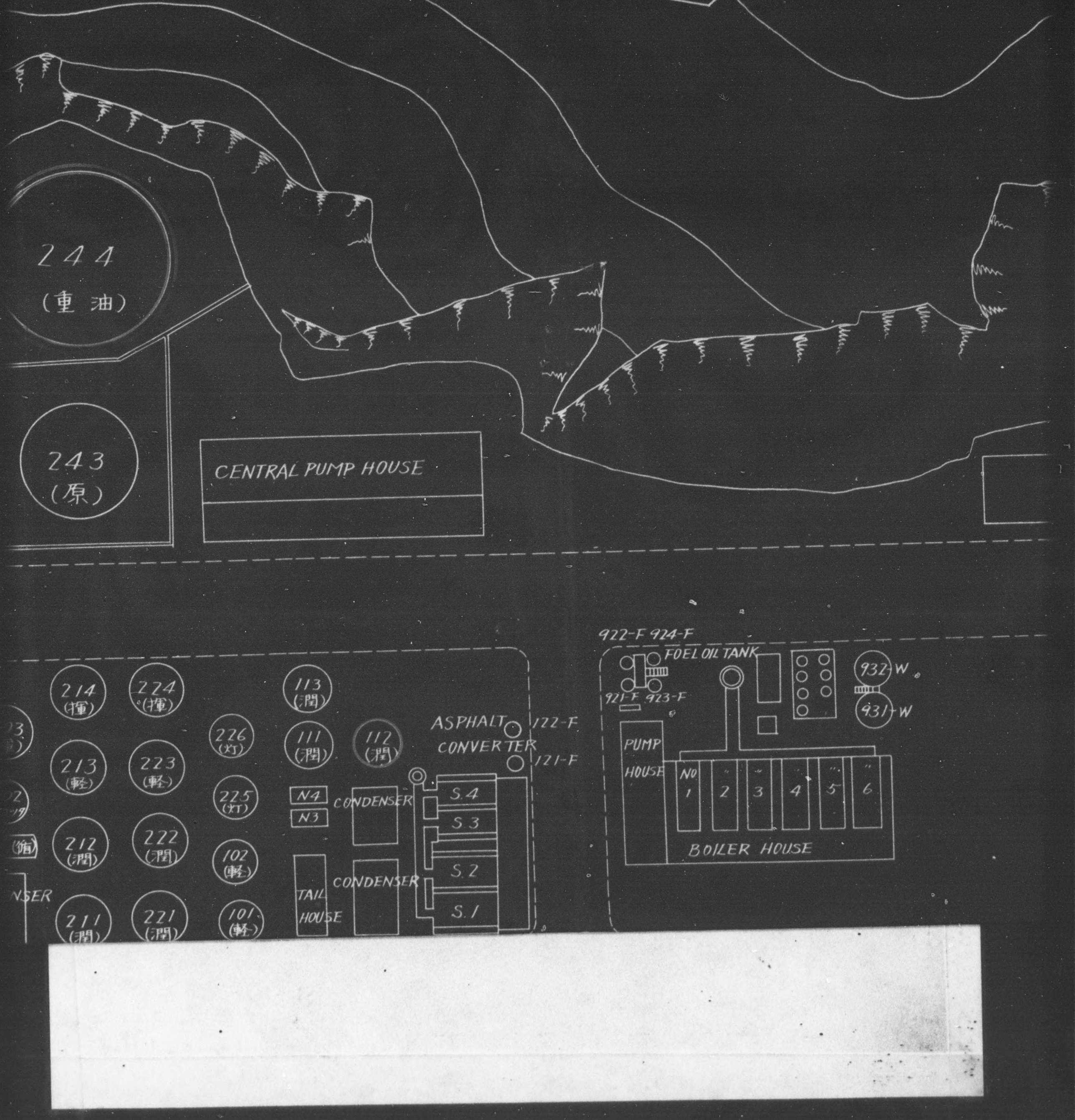

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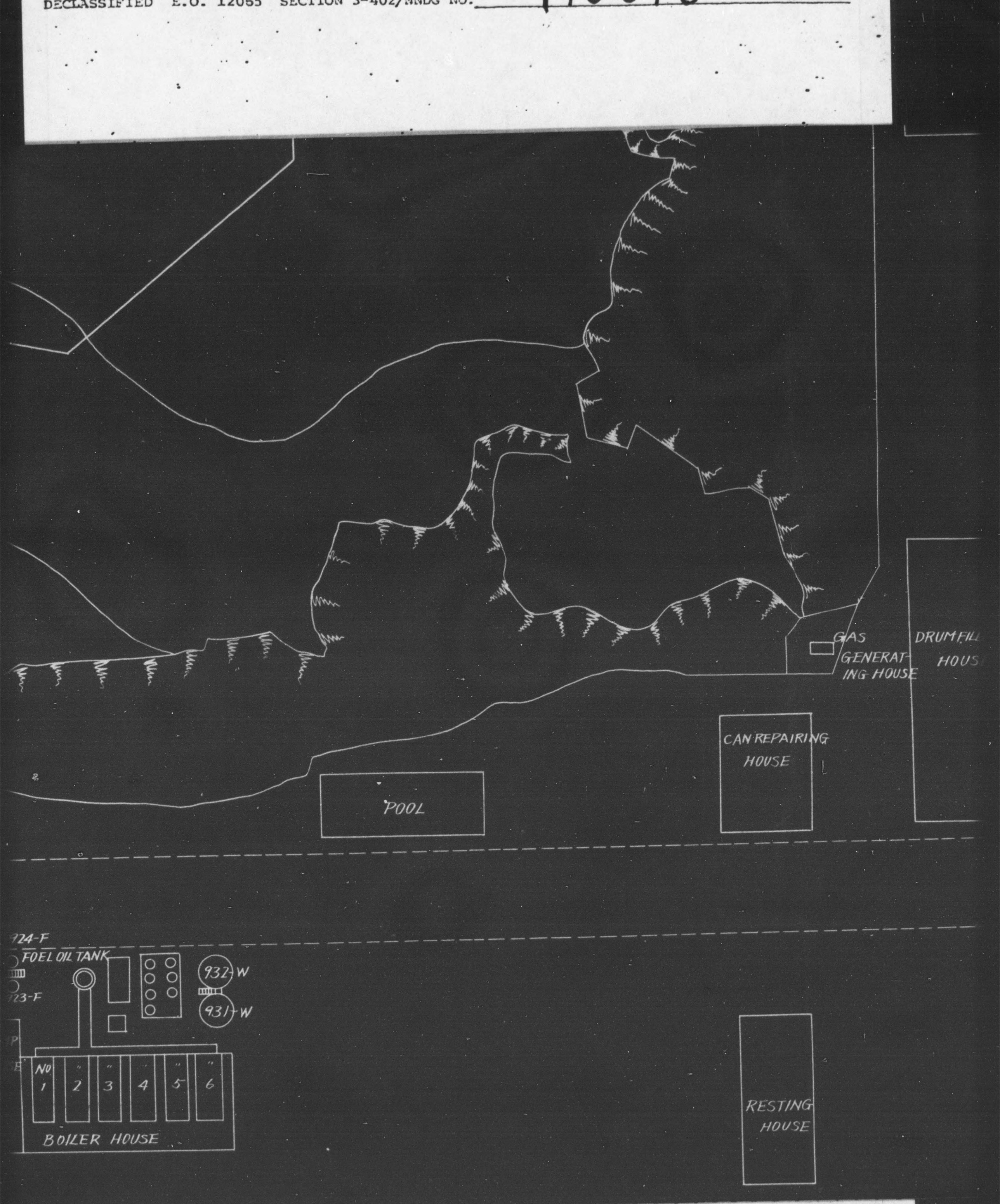

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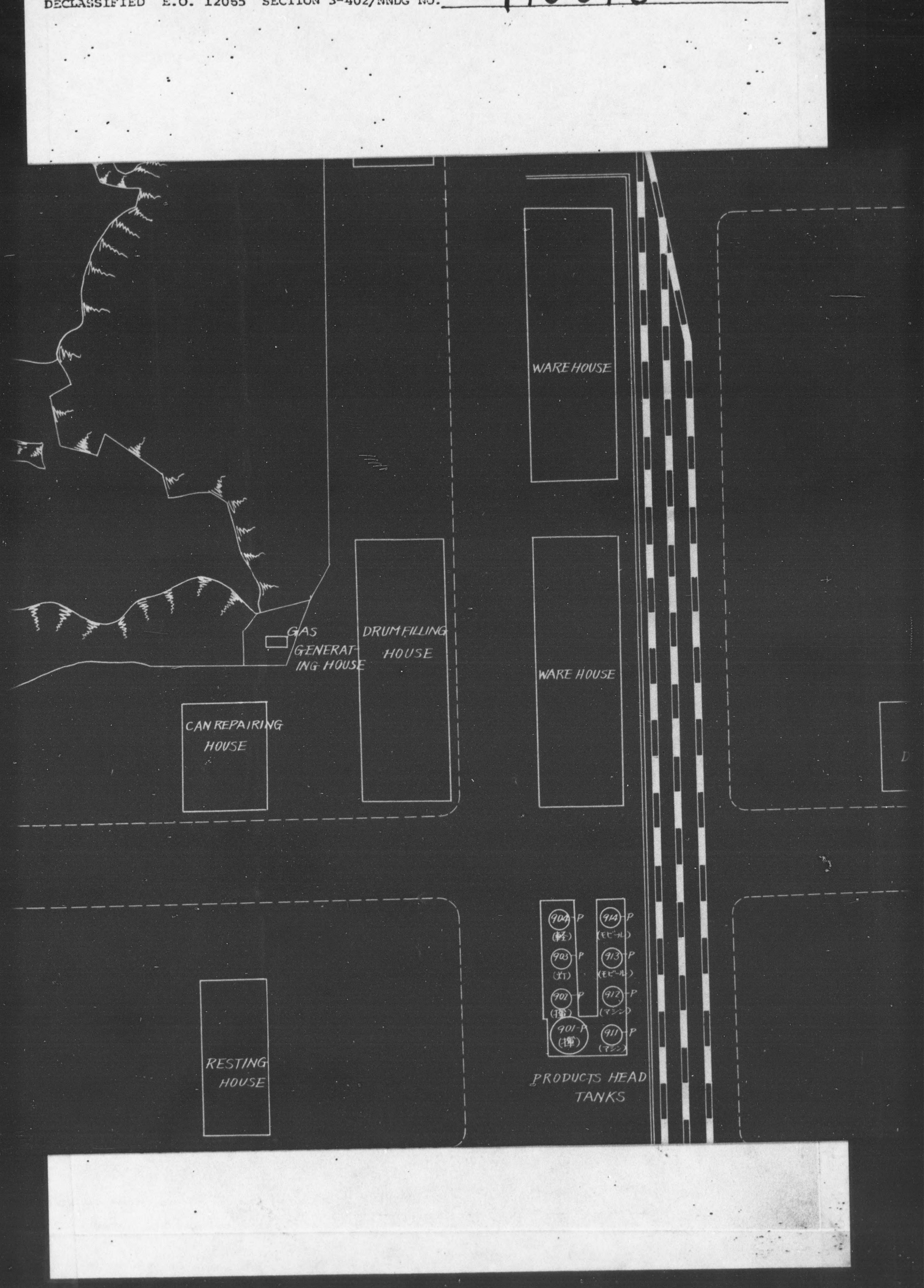

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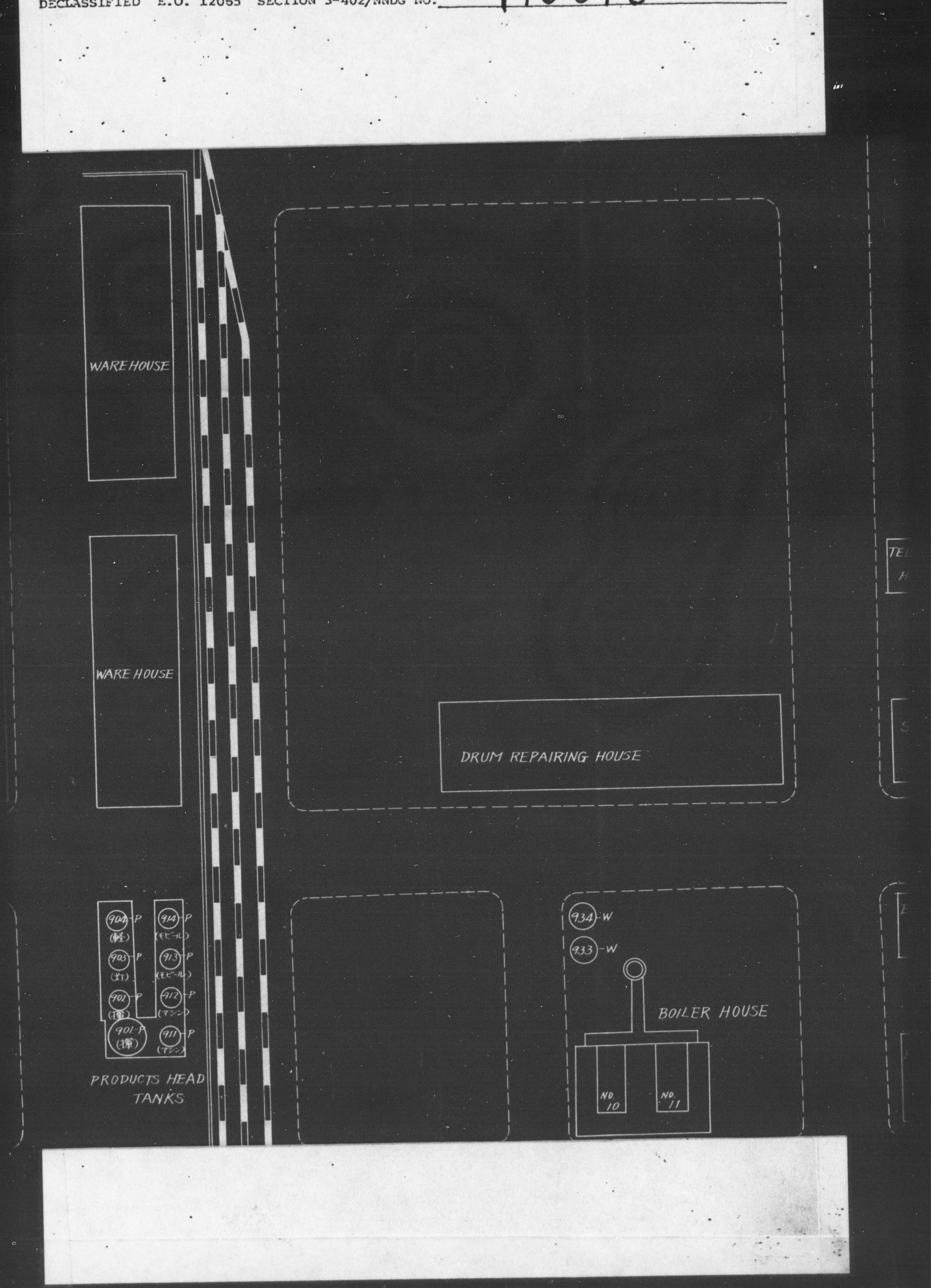

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO.

OFFICE

TELEPHONE HOUSE

BATH AND LOCKER HOUSE

SHOP

DRUM REPAIRING HOUSE

934-W

933-W

BOILER HOUSE

NO. 10

NO. 11

ELECTRIC WORK SHOP

MACHINE SHOP

ELECTRIC SUBSTATION

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

OFFICE

TELEPHONE HOUSE

BATH AND LOCKER HOUSE

SHOP

BOILER HOUSE

NO. 11

ELECTRIC WORK SHOP

ELECTRIC SUBSTATION

MACHINE SHOP

CARPENTER SHOP

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

OFFICE

BATH AND
LOCKER
HOUSE

MACHINE
SHOP

CARPENTER
SHOP

TION

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NS

CARPENTER
SHOP

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

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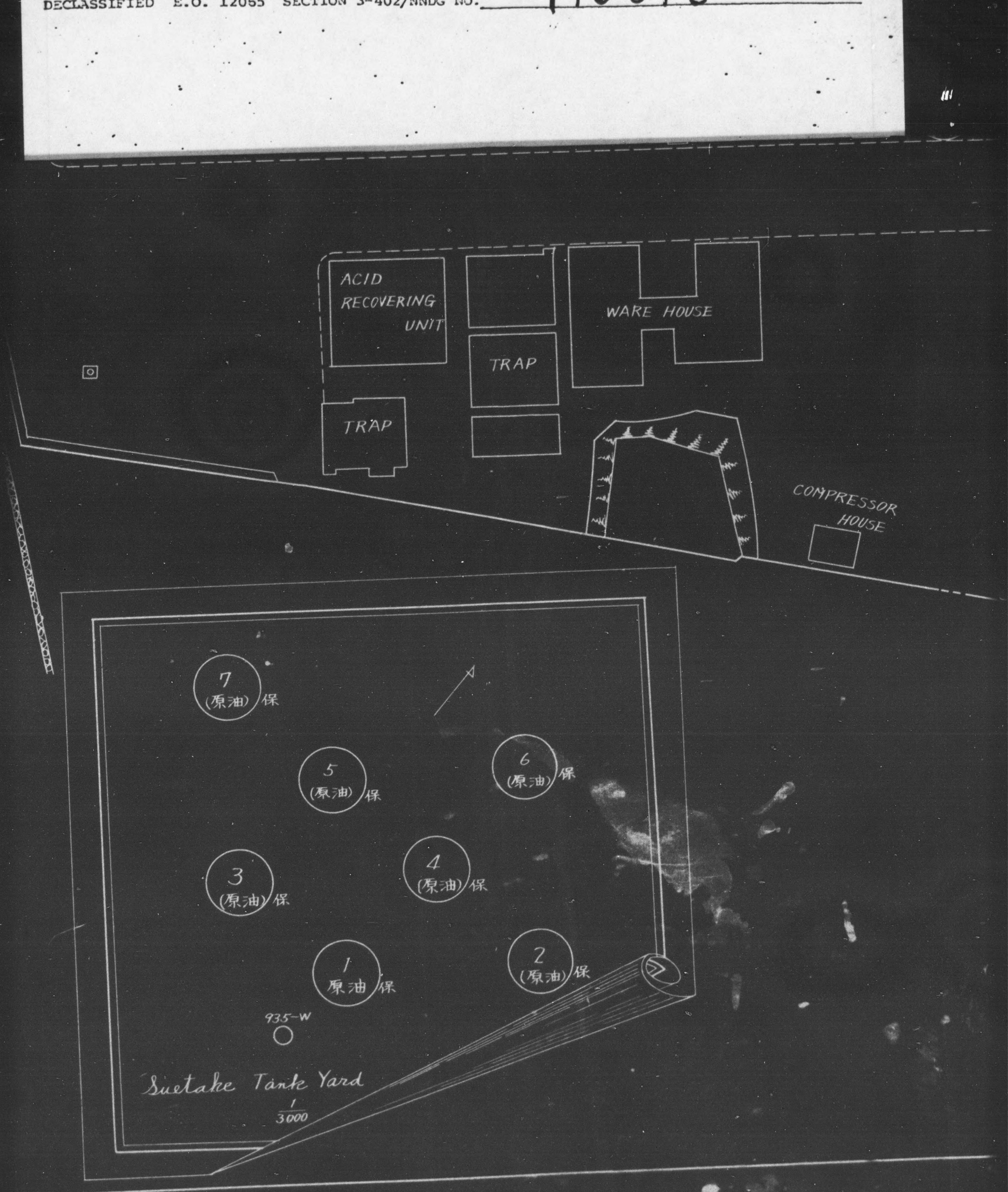

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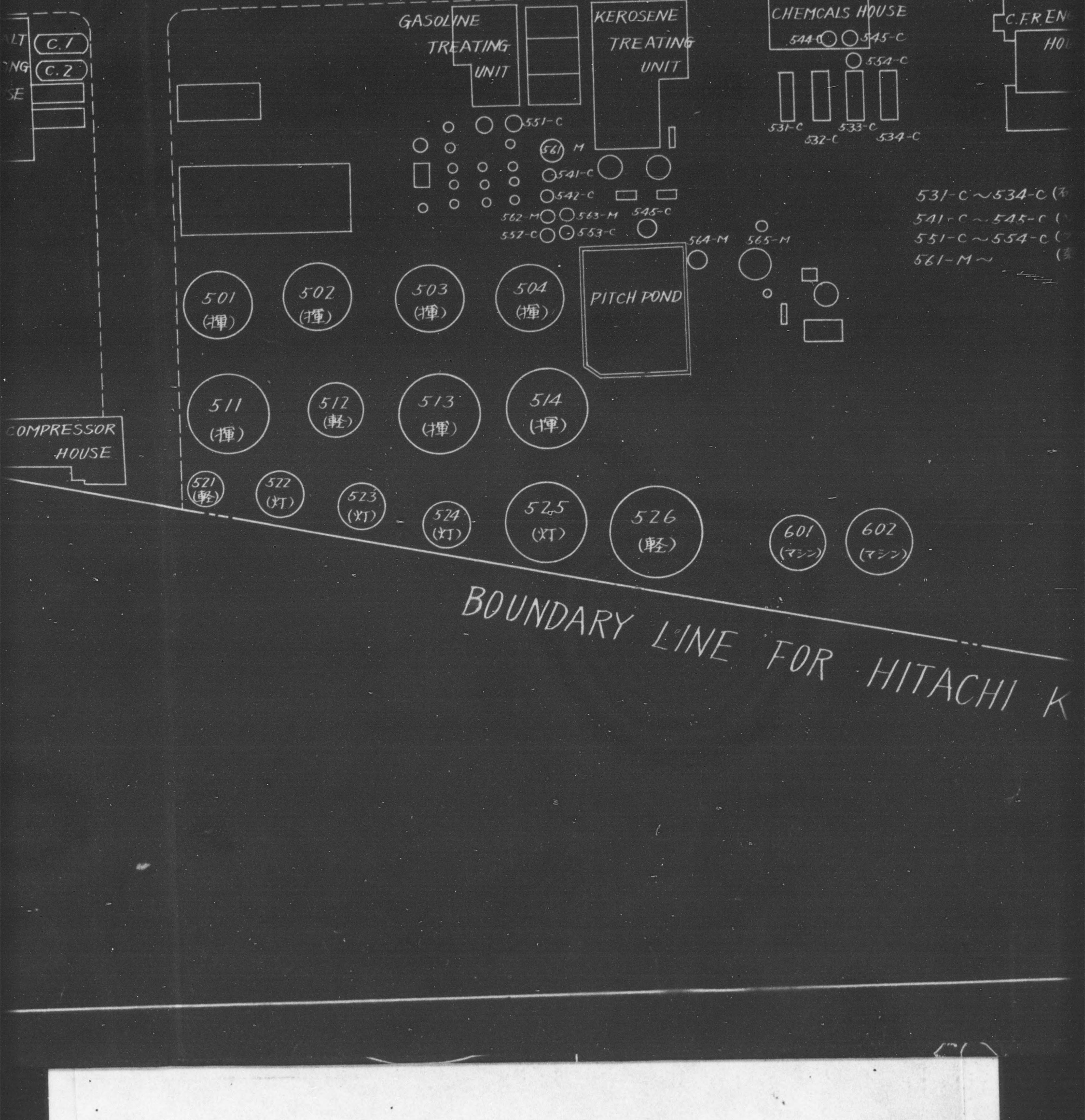


DECLASSIFIED E.O. 12065 SECTION 3 402/NNDS NO.

EROSENE TREATING UNIT

CHEMCALS HOUSE

544-C 545-C 554-C

531-C 532-C 533-C 534-C

C.F.R ENGINE HOUSE

LABORATORY

WARE HOUSE

733
734
735
736

741
742
743
744

531-C ～534-C (硫酸)
541-C ～545-C (ソーダ)
551-C ～554-C (プラムバイト)
561-M ～ (雑用)

M 545-C
C

564-M 565-M

TCH POND

T.E.L. BLENDING HOUSE

WARE HOUSE

526 (軽)

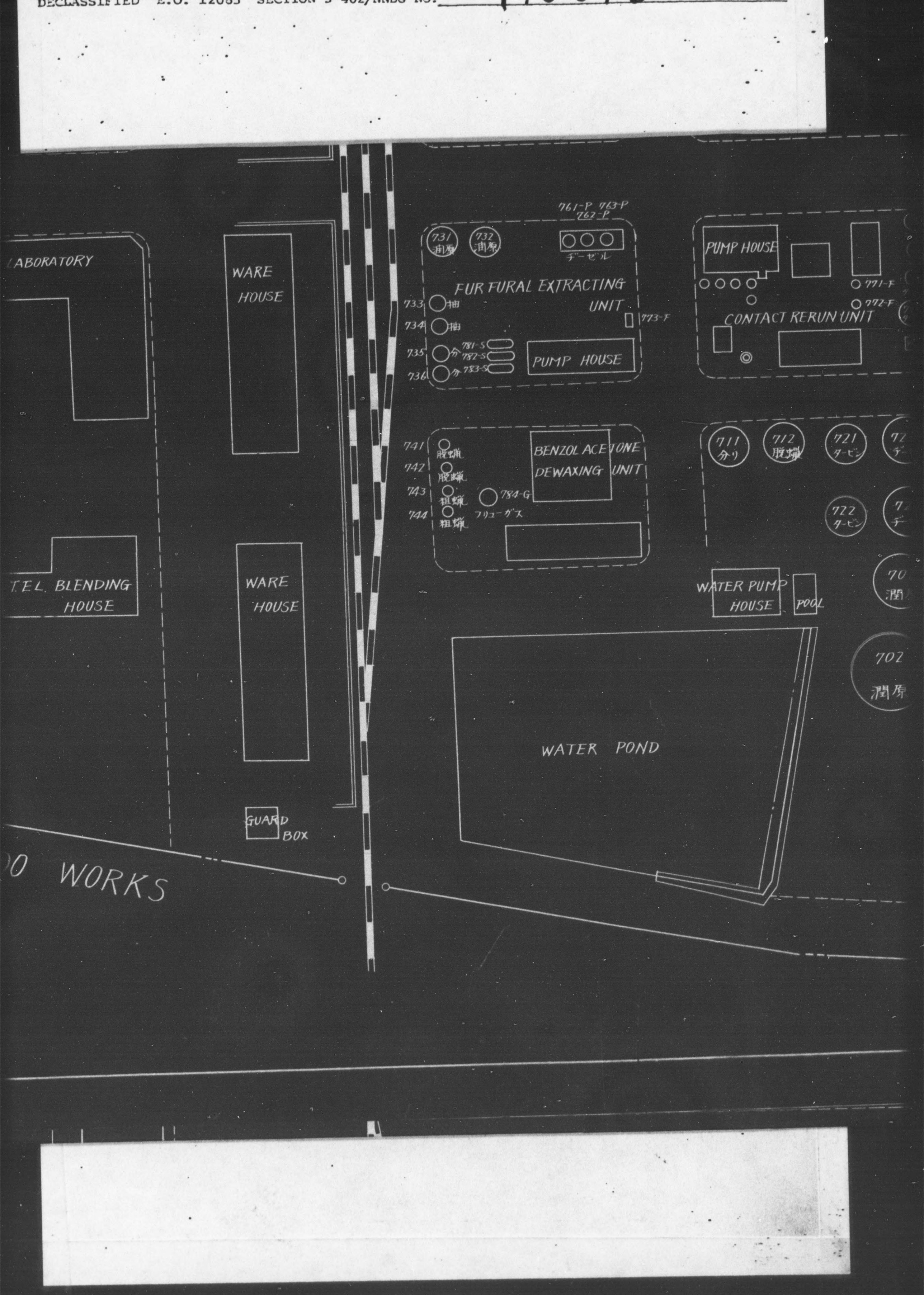
601 (マシン)

602 (マシン)

GUARD BOX

Y LINE FOR HITACHI KASADO WORKS

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO:



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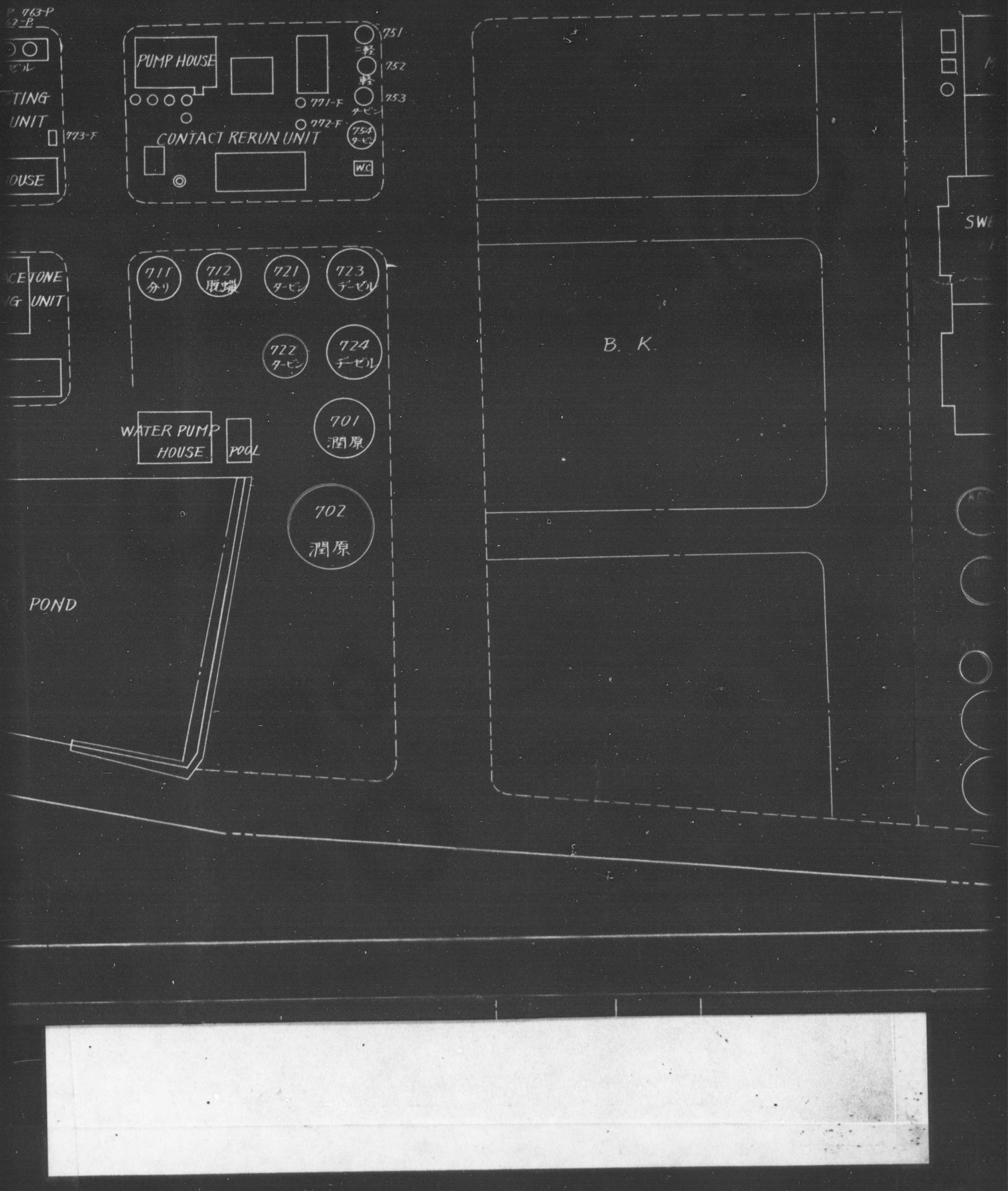

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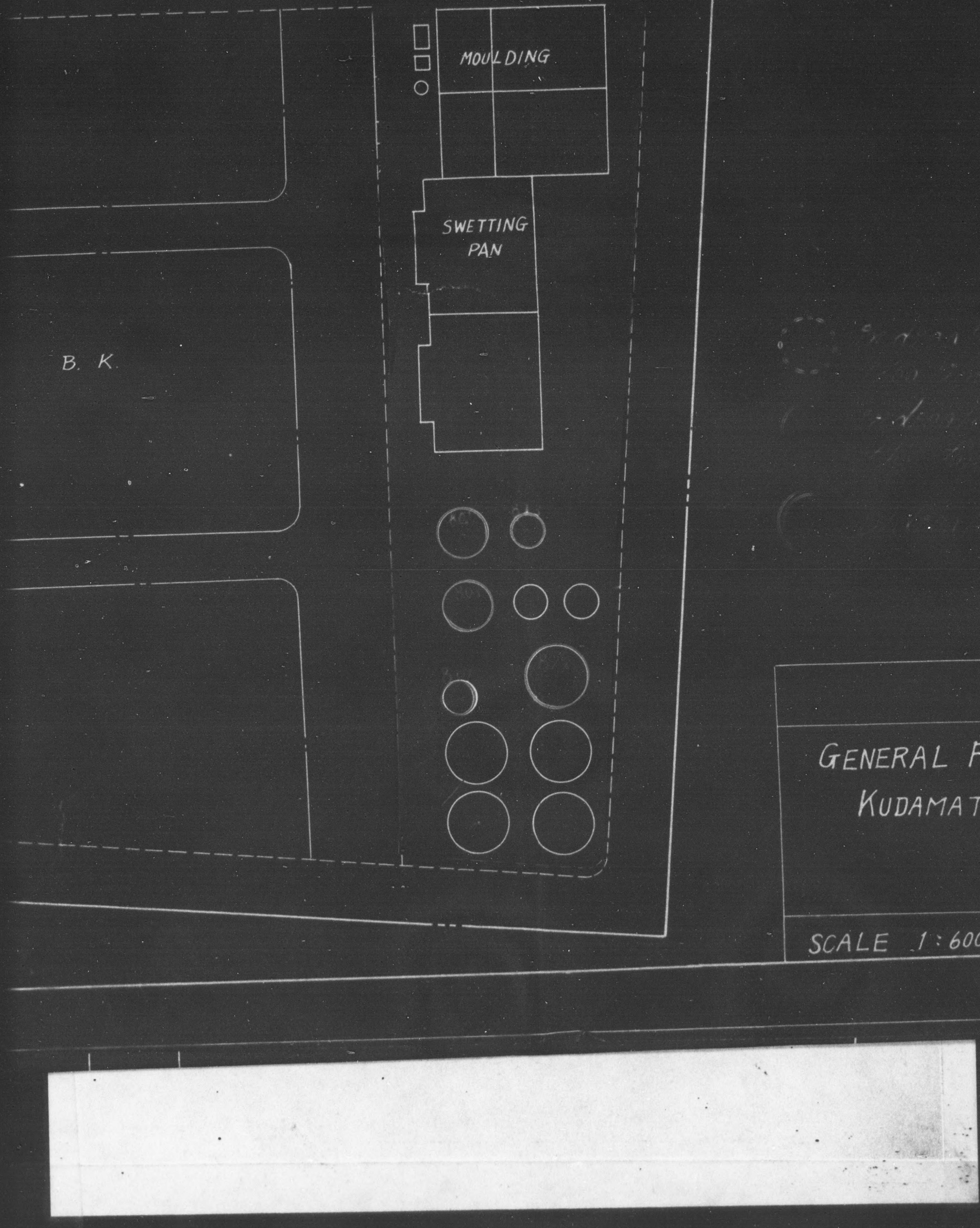

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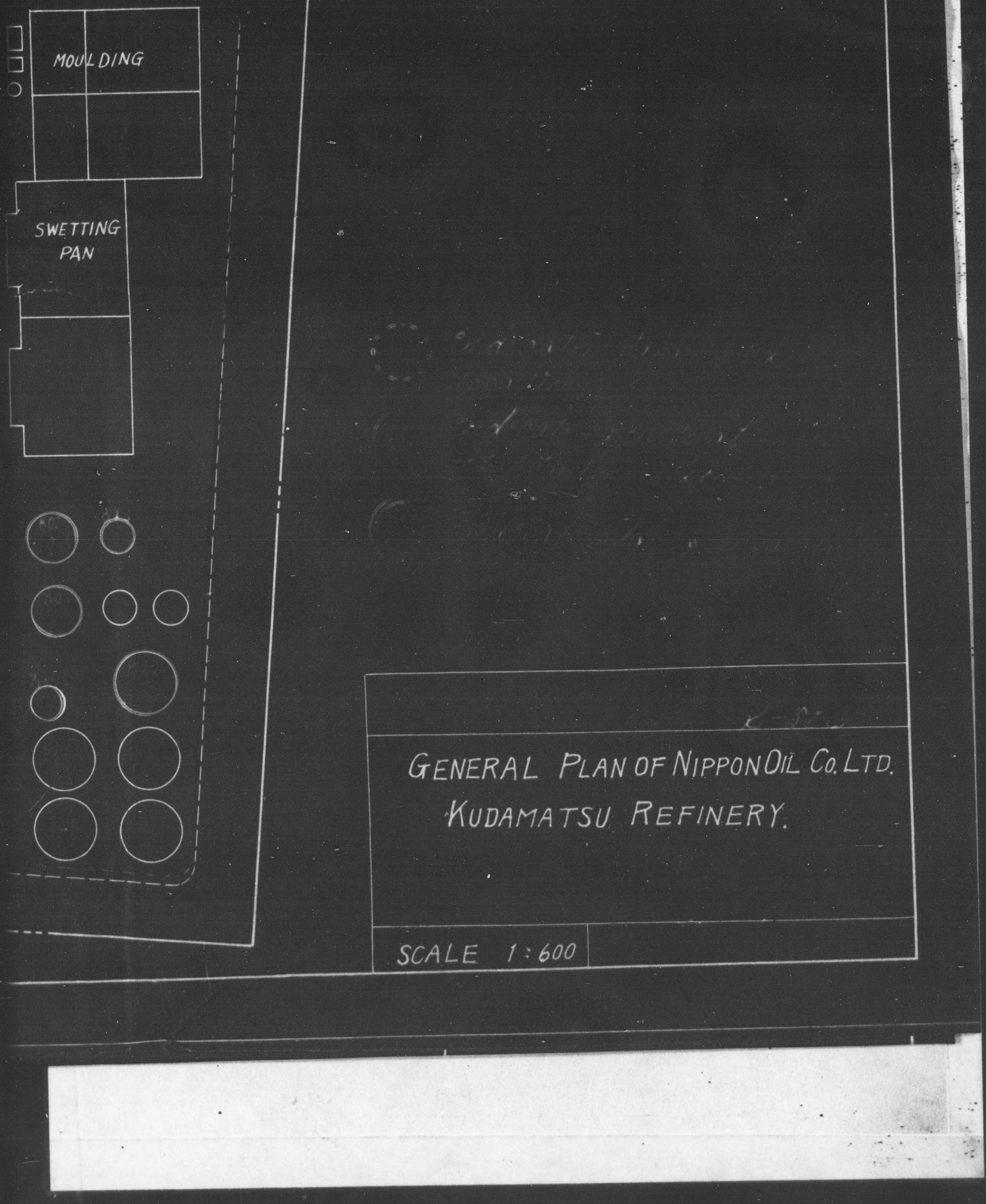
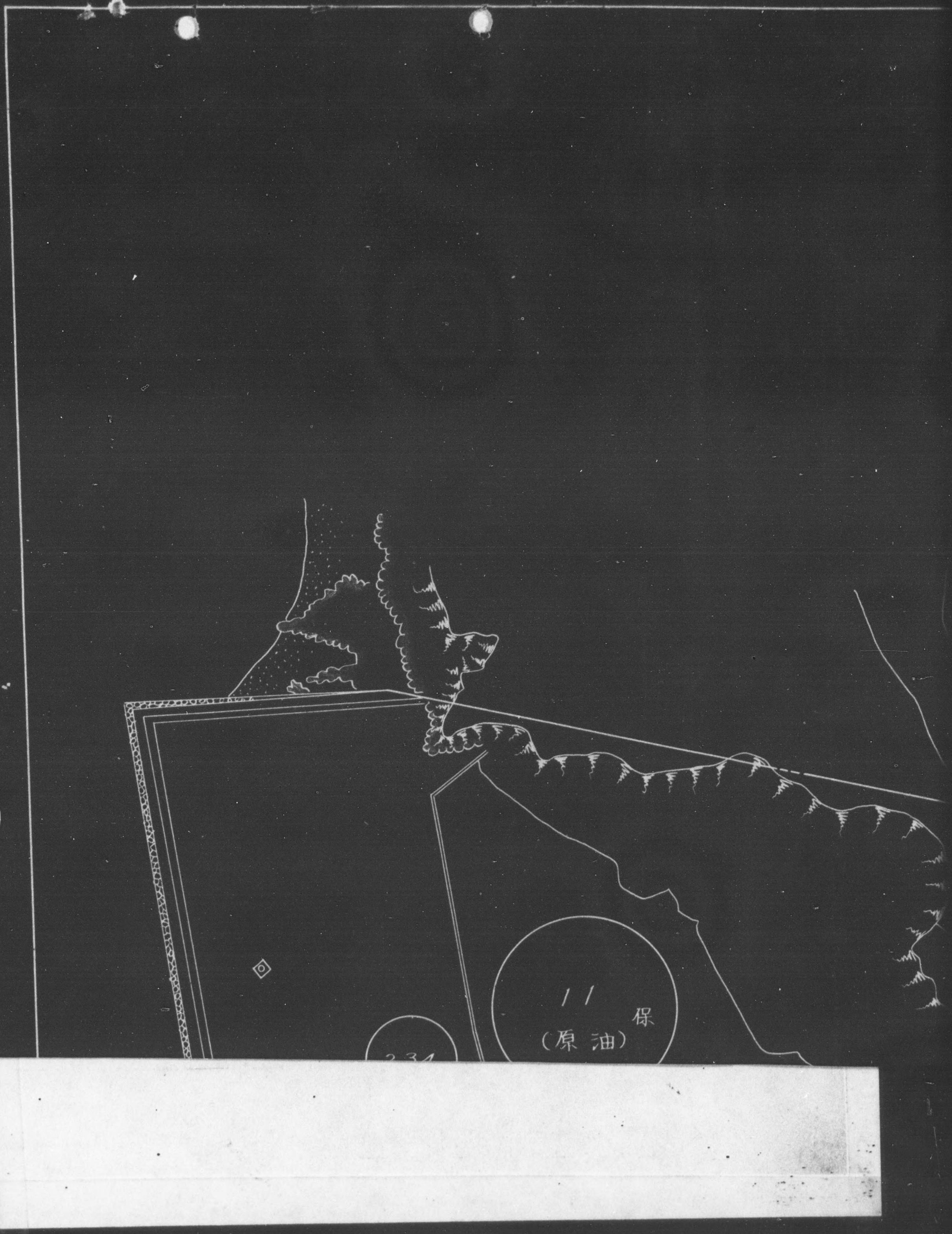


GENERAL PLAN OF NIPPON OIL CO. LTD.
KUDAMATSU REFINERY.

SCALE 1:600

DECLASSIFIED E.O. 12065 SECTION 3 402/MNBS NO:



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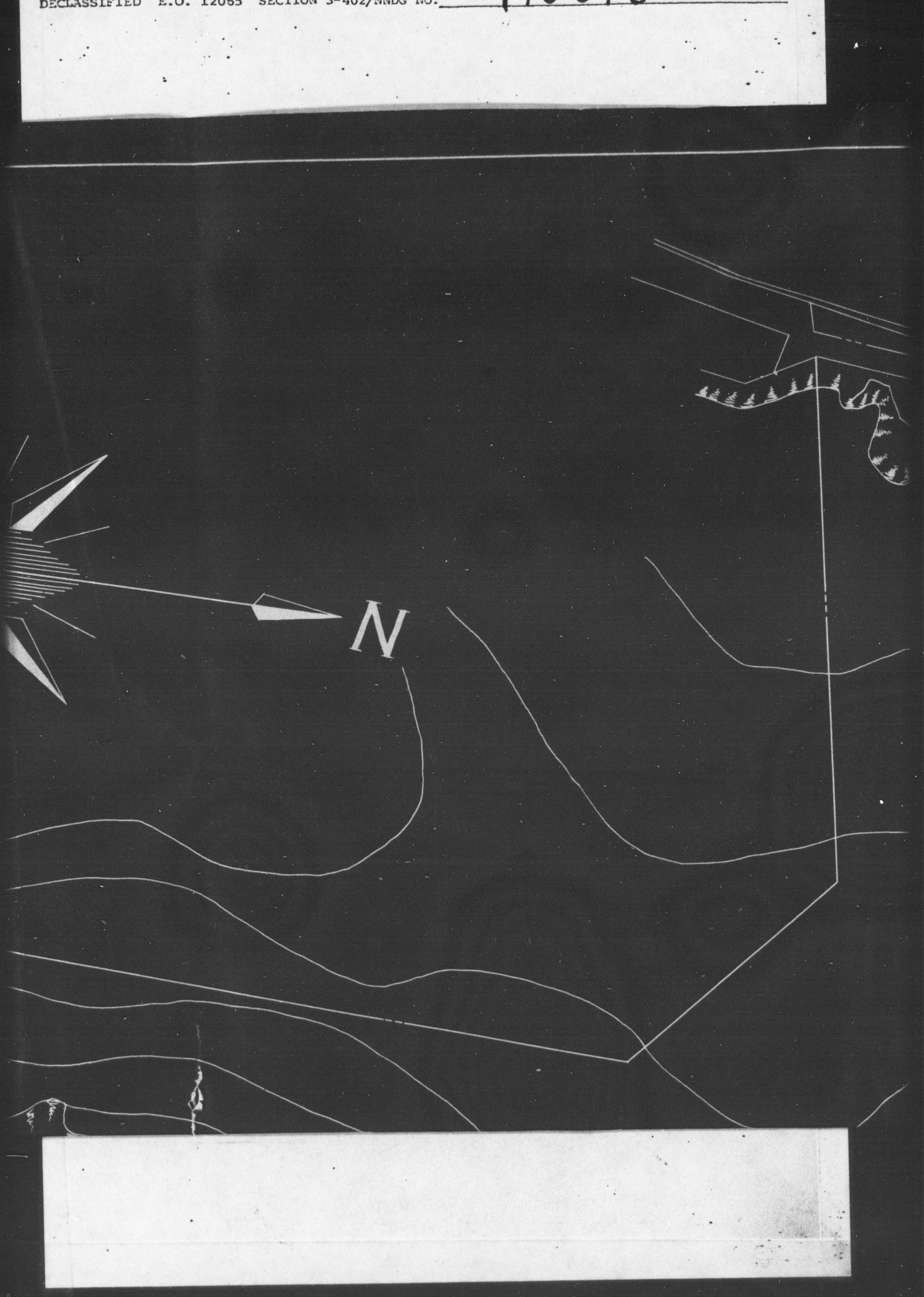
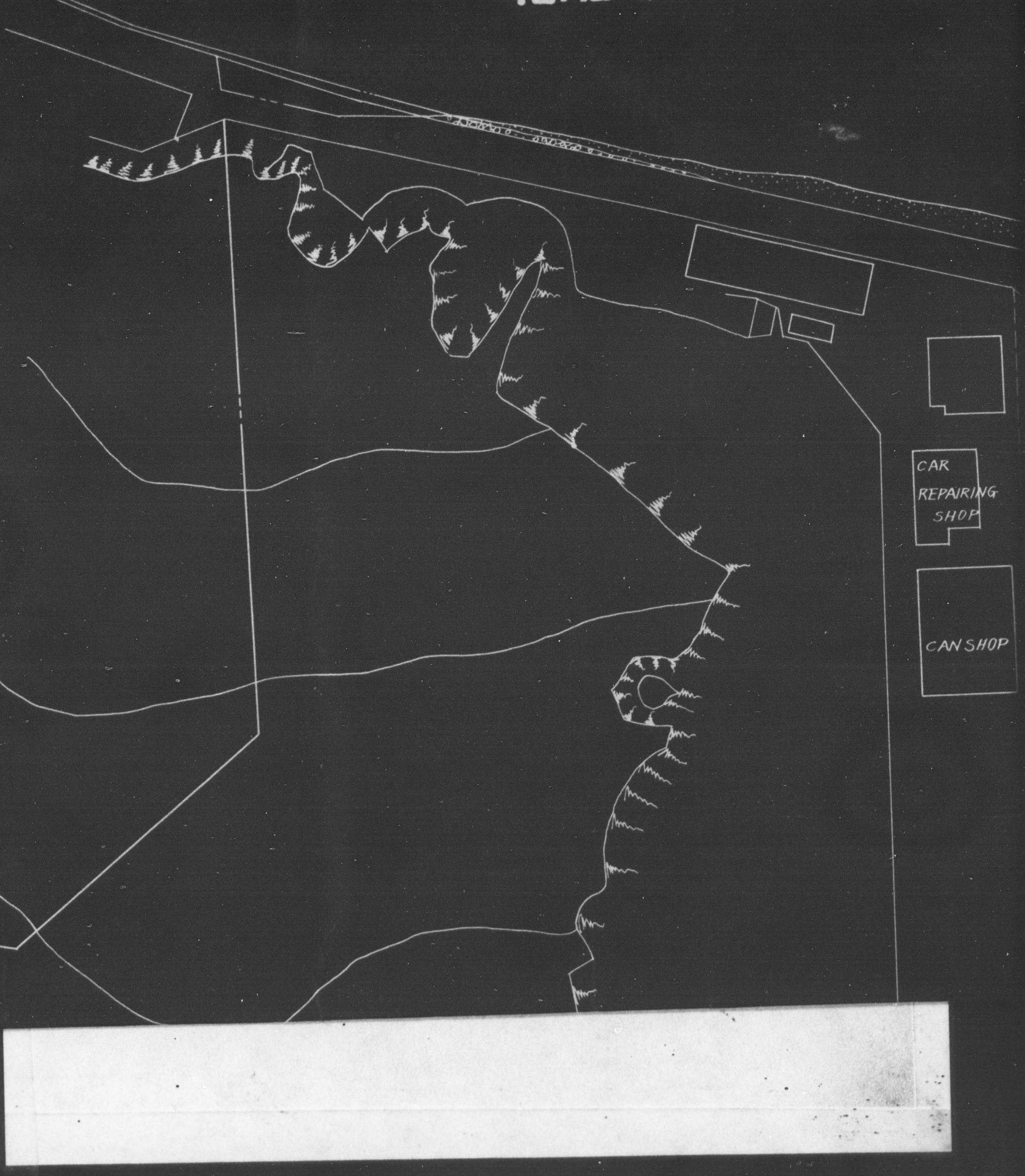


DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO.

GENERAL PLAN OF NIP



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

ERAL PLAN OF NIPPON OIL CO. LTD. KUDAMATS

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

CO. LTD. KUDAMATSU REFINERY.

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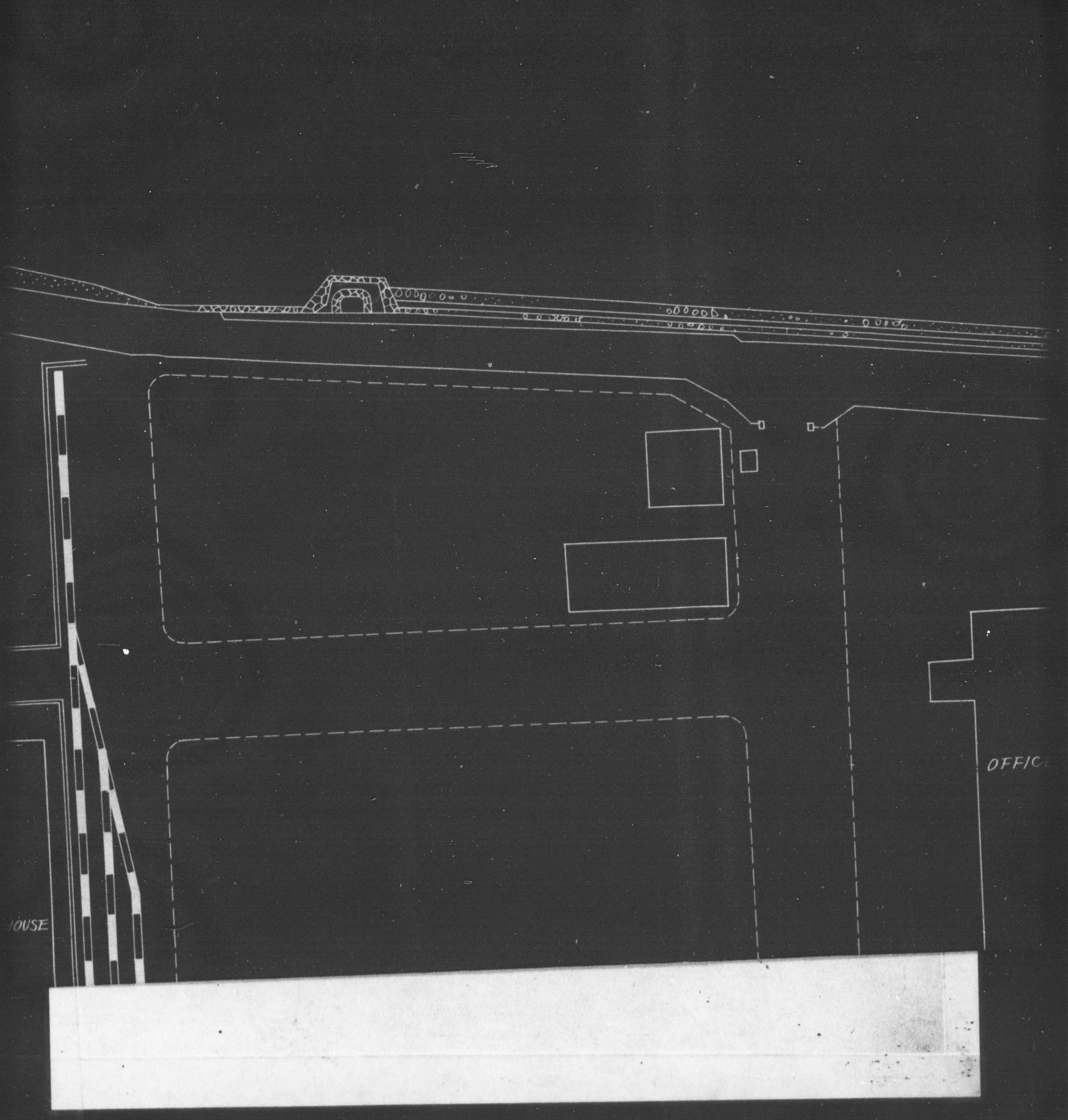

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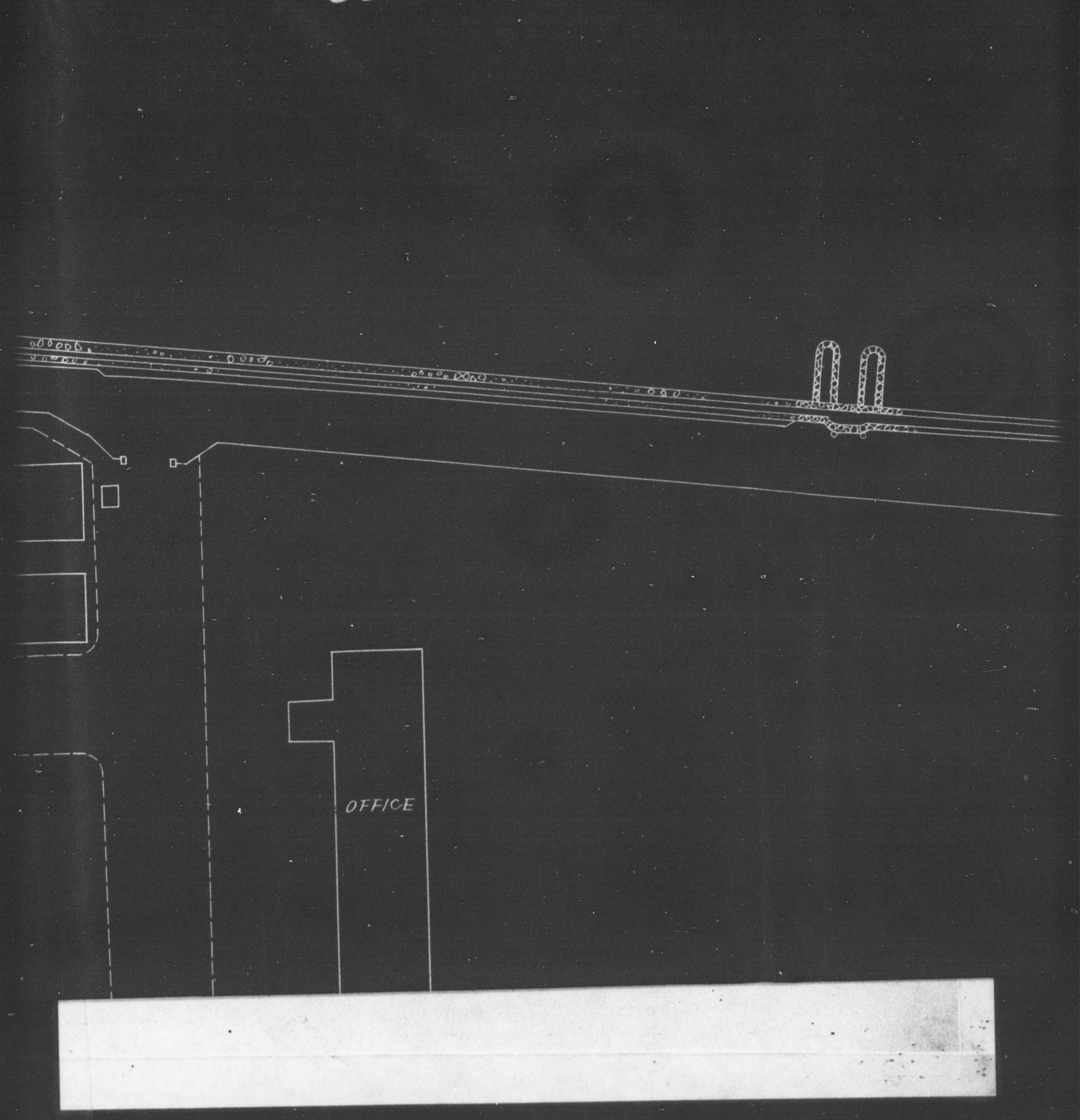

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO.

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DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 119013

11 保
(原油)

234
(重油)

233
(重油)

232
(原油)

231
(原油)

241
(重油)

SEA WATER
PUMP
HOUSE

CRUDE OIL
PUMP HOUSE

JETTY

252-F

INSTRU

ACID

DECLASSIFIED E.O. 12065 SECTION 3 NLJ/RAC NLJ

11 保
(原油)

241
(重油)

242
(重油)

244
(重油)

243
(原)

CRUDE OIL
PUMP HOUSE

1
油)

252-F

251-F

FOSTER TWO STAGE
W.C DISTILLATION UNIT

203
(揮)

214
(揮)

224
(揮)

213
(軽)

223
(軽)

202
スロップ

212
(潤)

222
(潤)

201 (缶)

211
(潤)

221
(潤)

FURNACE

INSTRUMENT
BOX

FURNACE

CONTROL AND
PUMP HOUSE

CONDENSER

COOLER

ACID

DECLASSIFIED E.O. 12065 SECTION 3 102/MRS NO.

244
(重油)

243
(原)

CENTRAL PUMP HOUSE

214 (揮)　224 (揮)　113 (潤)

203 (揮)　226 (灯)　111 (潤)　112 (潤)

IT

213 (軽)　223 (軽)

202 スロッタ　225 (灯)

201 (揮)　212 (潤)　222 (潤)　102 (軽)

NDENSER

211 (潤)　221 (潤)　101 (軽)

ASPHALT　122-F
CONVERTER　121-F

N4　CONDENSER　S.4
N3　S.3
S.2
TAIL HOUSE　CONDENSER
S.1

922-F 924-F
FOEL OIL TANK
921-F 923-F
932-W
931-W

PUMP HOUSE
NO 1 2 3 4 5 6
BOILER HOUSE

ASPHALT PACKING　C.1

GASOLINE TREATING

DECLASSIFIED E.O. 12065 SECTION 3 (E)(2) NARS DATE

CAN SHOP

WAREH

GAS GENERAT-ING HOUSE

DRUM FILLING HOUSE

WARE

CAN REPAIRING HOUSE

POOL

932-W

931-W

5

6

RESTING HOUSE

PROD

GASOLINE TREATING

KEROSENE TREATING

CHEMCALS HOUSE

544-C 545-C

C.F.R. ENGINE HOUSE

LABORATORY

DECLASSIFIED E.O. 12065 SECTION 3 402/NNSG NS:

CAN SHOP

WARE HOUSE

GAS GENERAT- ING HOUSE

DRUM FILLING HOUSE

WARE HOUSE

DRUM REPAIRING HOUSE

904-P (軽)
914-P (モビール)
903-P (灯)
913-P (モビール)
902-P (揮)
912-P (マシン)
901-P (揮)
911-P (マシン)

PRODUCTS HEAD TANKS

934-W
933-W

BOILER

NO. 10

NO. 11

761-P 763-P
762-P

731 潤滑
732 潤滑
ディーゼル

LABORATORY

WARE

PUMP HOUSE

DECLASSIFIED E.O. 12065 SECTION 3 (b), MDW Nov.

OFFICE

TELEPHONE HOUSE

BATH AND LOCKER HOUSE

SHOP

DRUM REPAIRING HOUSE

934-W

933-W

BOILER HOUSE

NO. 10

NO. 11

ELECTRIC WORK SHOP

MACHINE SHOP

ELECTRIC SUBSTATION

761-P 763-P
762-P

731 潤滑

732 潤滑

ディーゼル

PUMP HOUSE

751

二軽

752

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 119015

OFFICE

TELEPHONE HOUSE

BATH AND LOCKER HOUSE

SHOP

ELECTRIC WORK SHOP

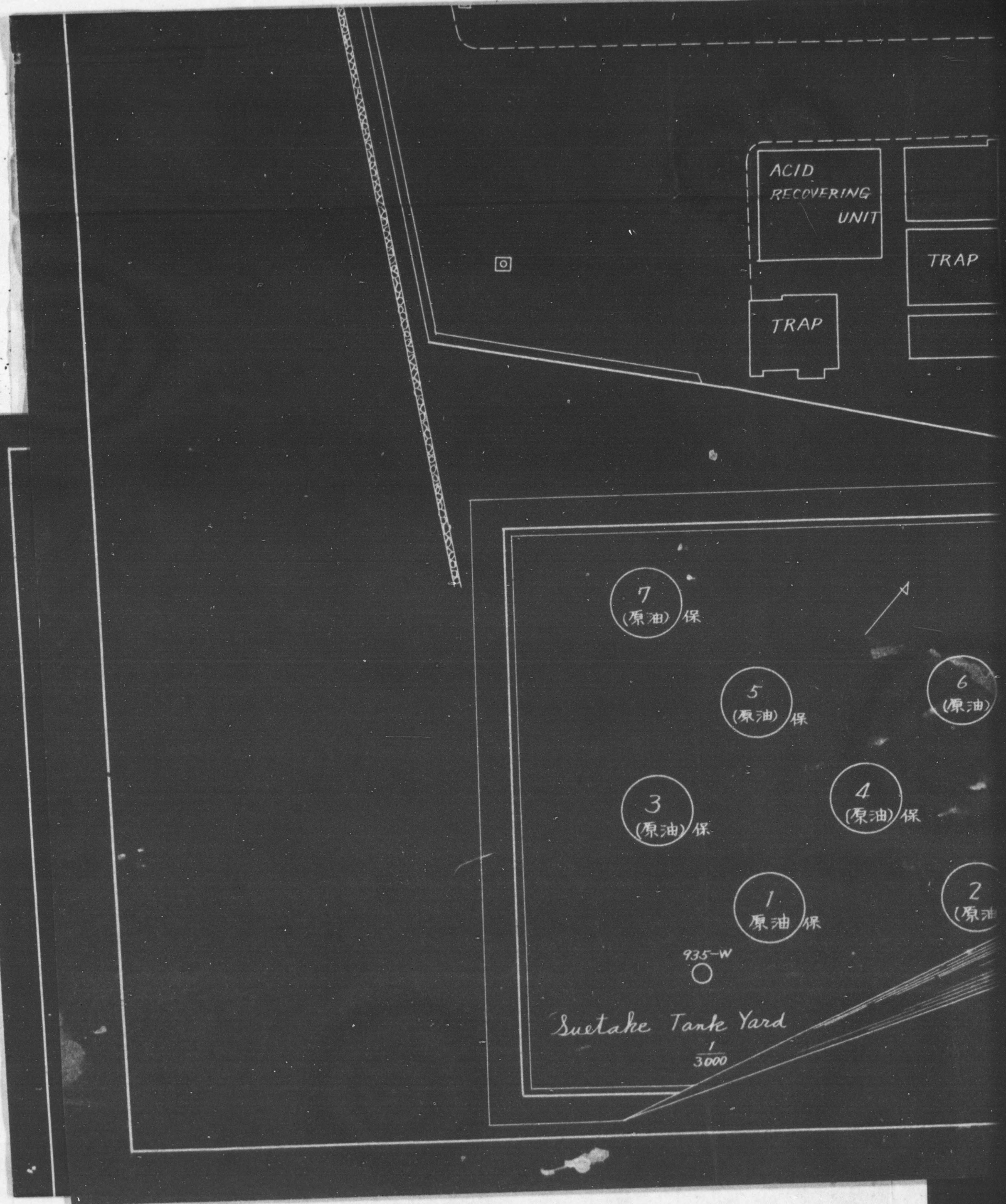
MACHINE SHOP

CARPENTER SHOP

ELECTRIC SUBSTATION

CARPENTER
SHOP

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NS.



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

COOLER

211 (潤)

221 (潤)

101 (軽)

HOUSE

S

ACID RECOVERING UNIT

WARE HOUSE

TRAP

TRAP

ASPHALT PACKING HOUSE

COMPRESSOR HOUSE

CO

6 (原油) 保

4 (原油) 保

2 (原油) 保

油) 保

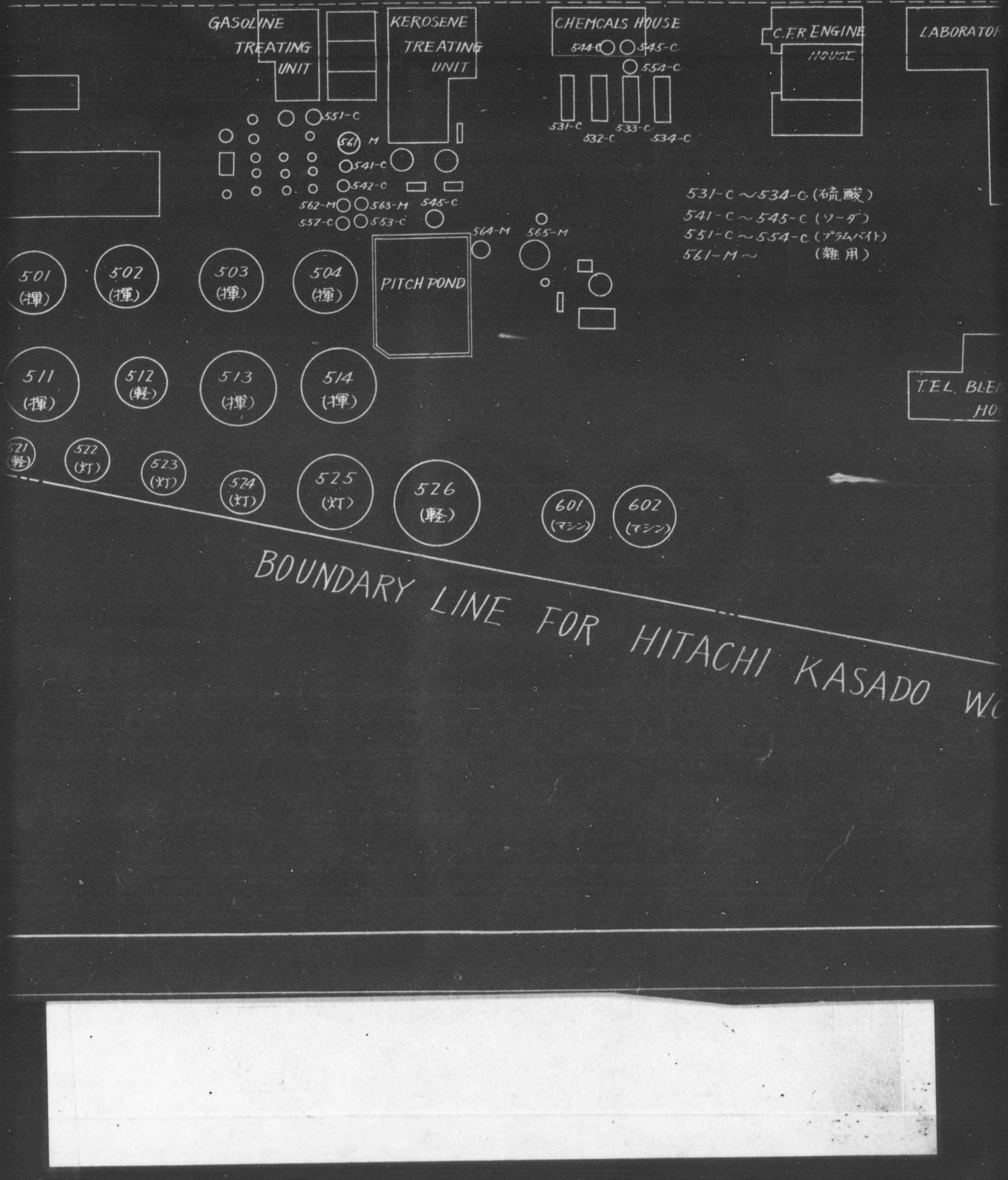
油 保

d

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

221 (潤)
101 (軽)
HOUSE
S.1
ASPHALT PACKING HOUSE
C.1
C.2
GASOLINE TREATING UNIT
KEROSENE TREATING UNIT
551-C
561-M
541-C
542-C
562-M
563-M
545-C
552-C
553-C
564-M
501 (揮)
502 (揮)
503 (揮)
504 (揮)
PITCH POND
511 (揮)
512 (軽)
513 (揮)
514 (揮)
COMPRESSOR HOUSE
521 (軽)
522 (灯)
523 (灯)
524 (灯)
525 (灯)
526 (軽)
BOUNDARY LIN

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



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

TANKS

761-P
762

731 油原　732 油原　ヂーゼ

FUR FURAL EXTRACT

733 抽
734 抽
735 分 781-S 782-S
736 分 783-S

PUMP HOU

741 脱蝋
742 脱蝋
743 粗蝋　784-G フリューガス
744 粗蝋

BENZOL ACE
DEWAXING

EMCALS HOUSE
540 545-C
554-C
532-C 533-C 534-C

C.F.R. ENGINE
HOUSE

LABORATORY

WARE
HOUSE

531-C ～ 534-C (硫酸)
541-C ～ 545-C (ソーダ)
551-C ～ 554-C (プラムバイト)
561-M ～ (雑用)

T.E.L. BLENDING
HOUSE

WARE
HOUSE

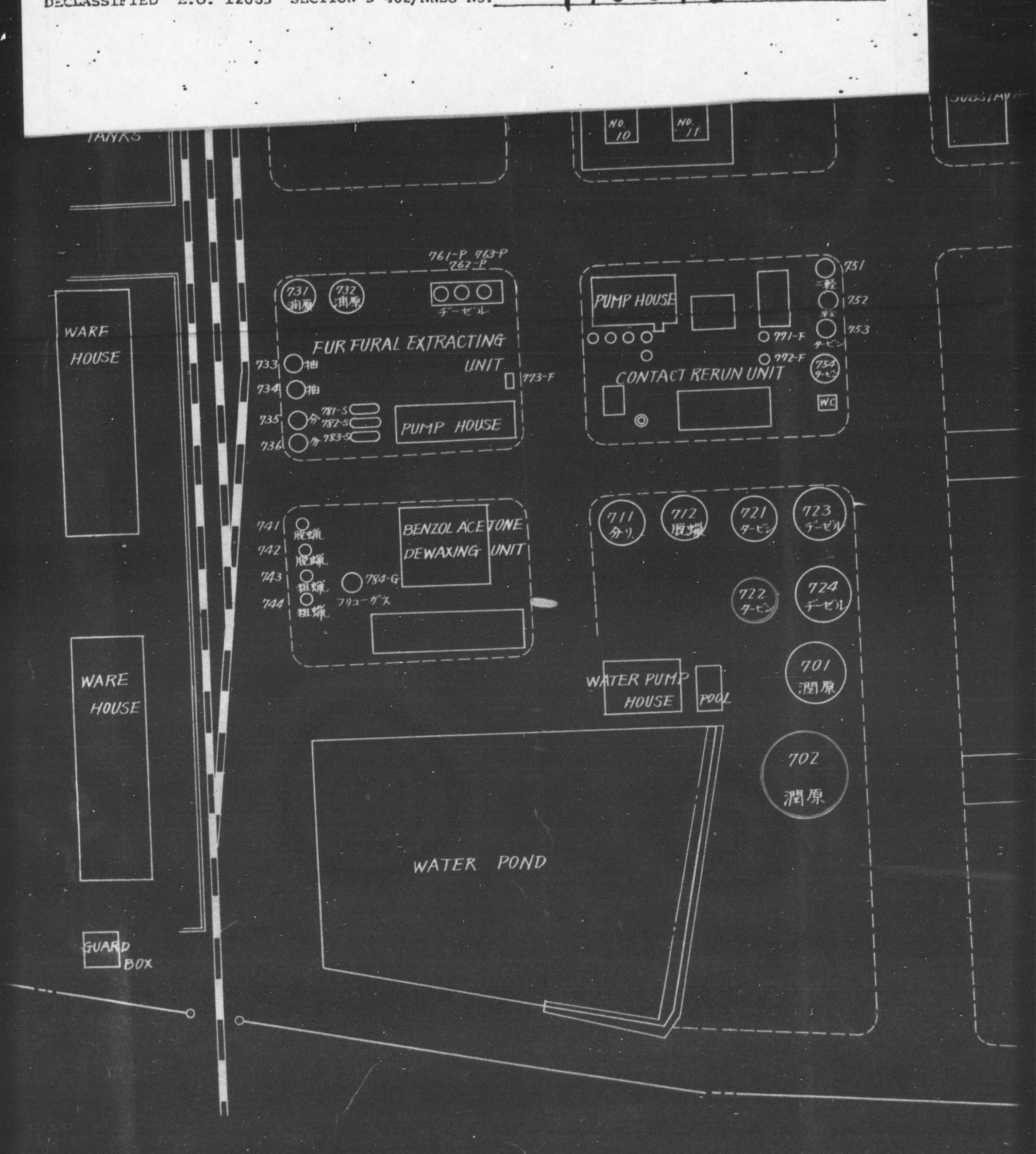
602
(マシン)

WATER

GUARD
BOX

R HITACHI KASADO WORKS

DECLASSIFIED E.O. 12065 SECTION 3 402/NNSG NO.



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

NO. 10

NO. 11

SUBSTATION

SHOP

PUMP HOUSE

751

二軽

752

軍工

753

タービン

771-F

772-F

754 タービン

CONTACT RERUN UNIT

W.C

711 分り

712 脱塩

721 タービン

723 デーゼル

722 タービン

724 デーゼル

701 潤原

WATER PUMP HOUSE

POOL

702 潤原

B. K.

MOULDING

SWETTING PAN

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO: 110-10-10

SHOP

MOULDING

SWETTING PAN

GENERAL PLAN OF NIPPON O
KUDAMATSU REFINERY

SCALE 1:600

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

SHOP

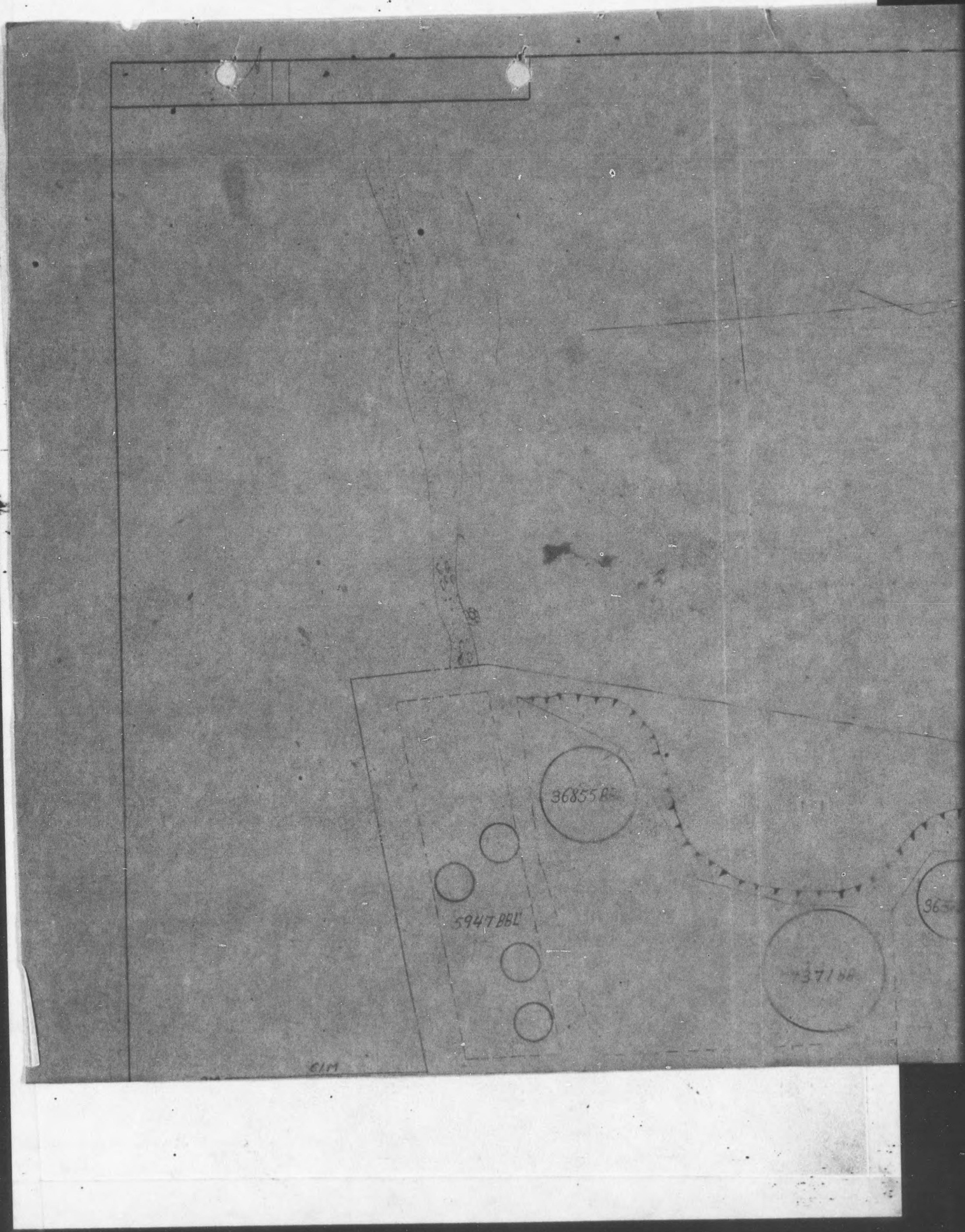
MOULDING

SWETTING PAN

GENERAL PLAN OF NIPPON OIL CO. LTD. KUDAMATSU REFINERY.

SCALE 1:600

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



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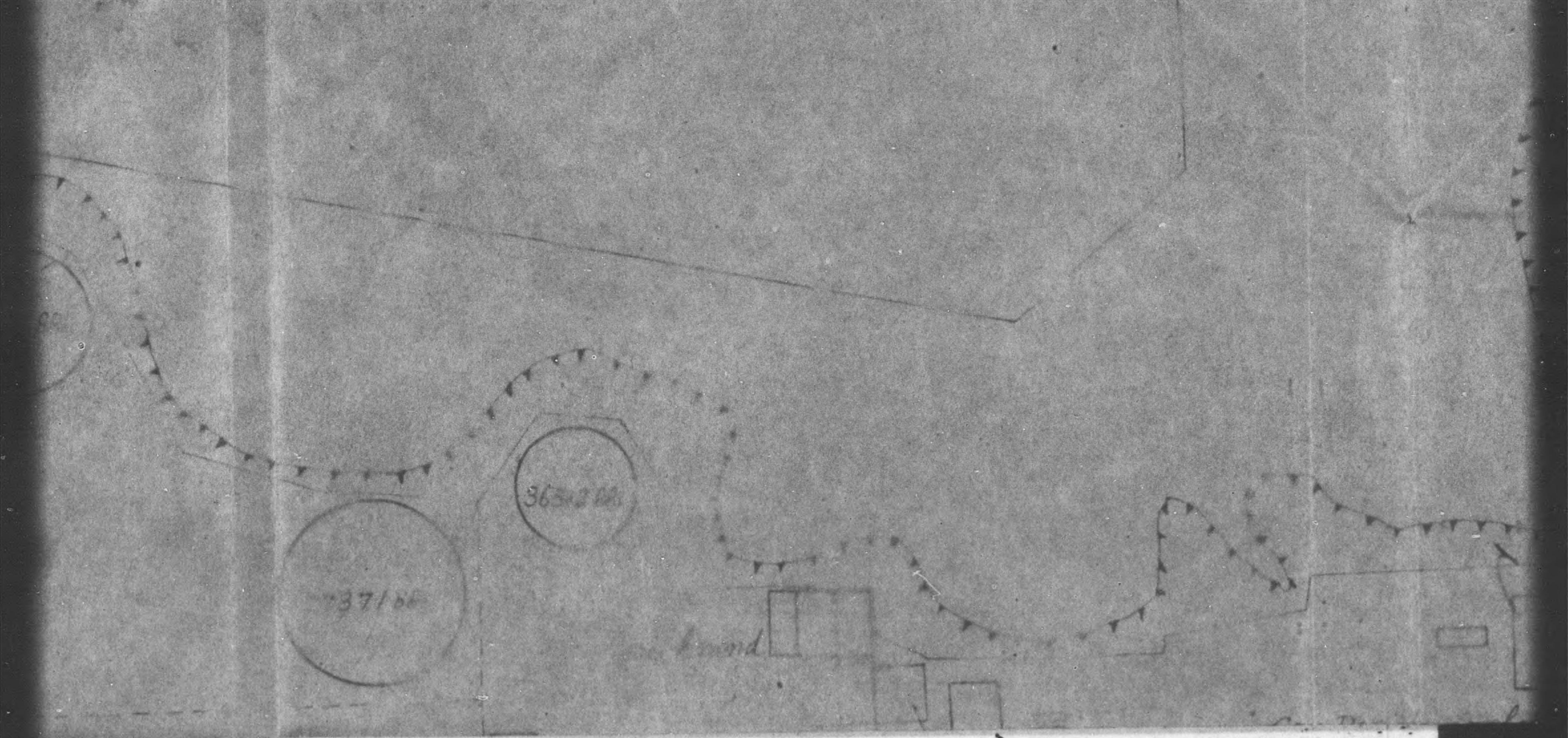
REFINERY



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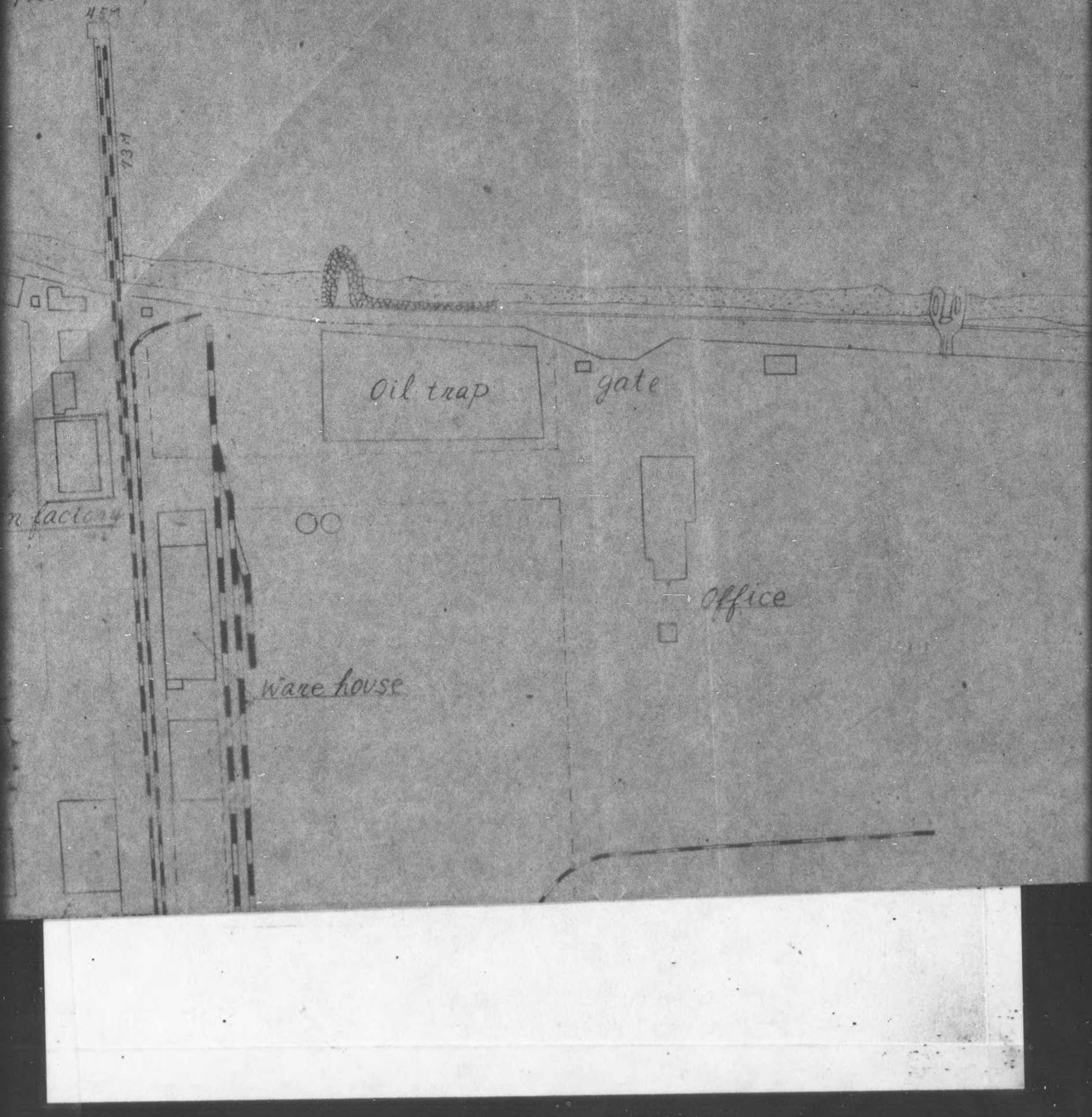
REFINERY PLOT PLAN

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

PLOT PLAN



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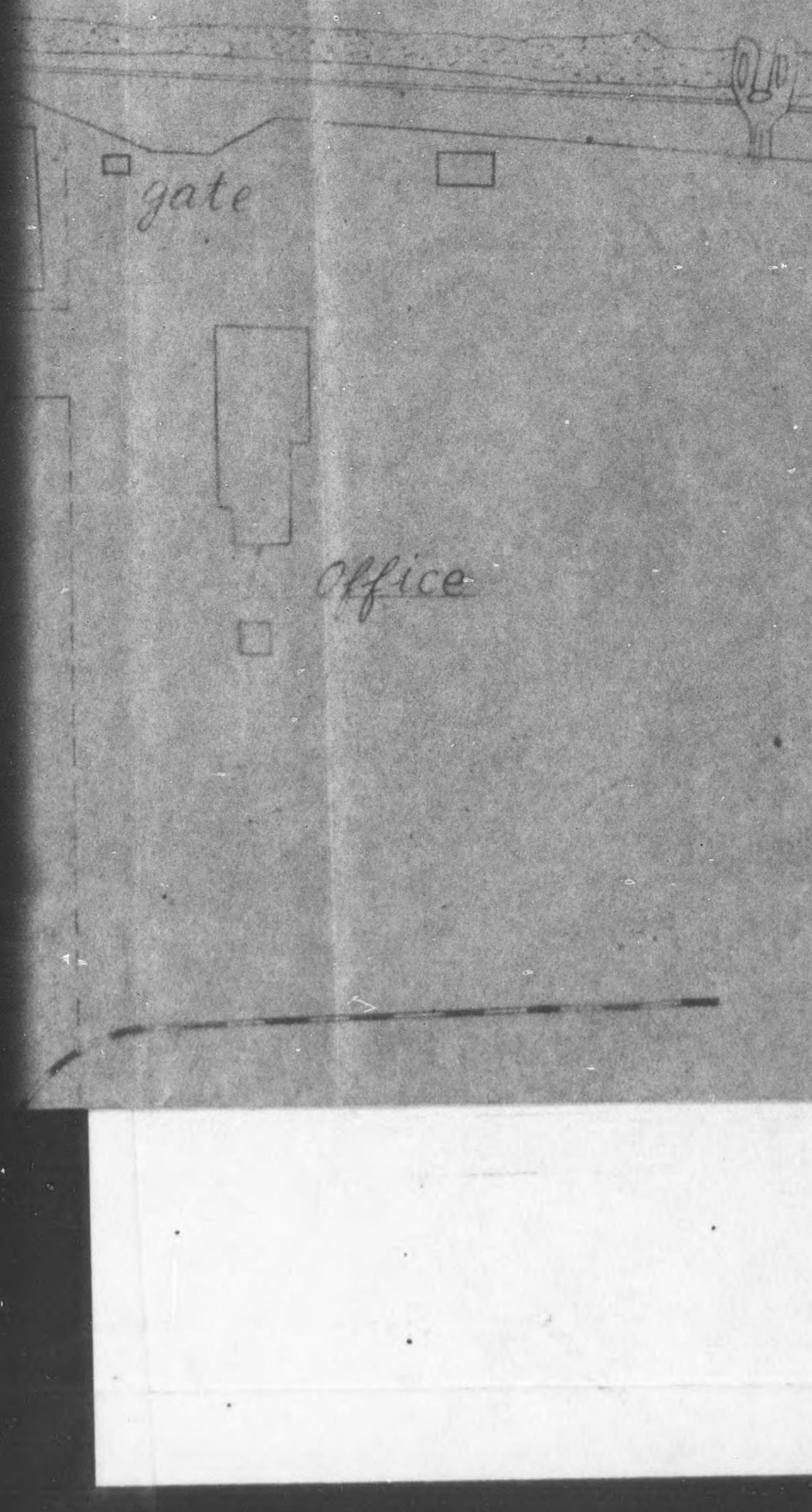

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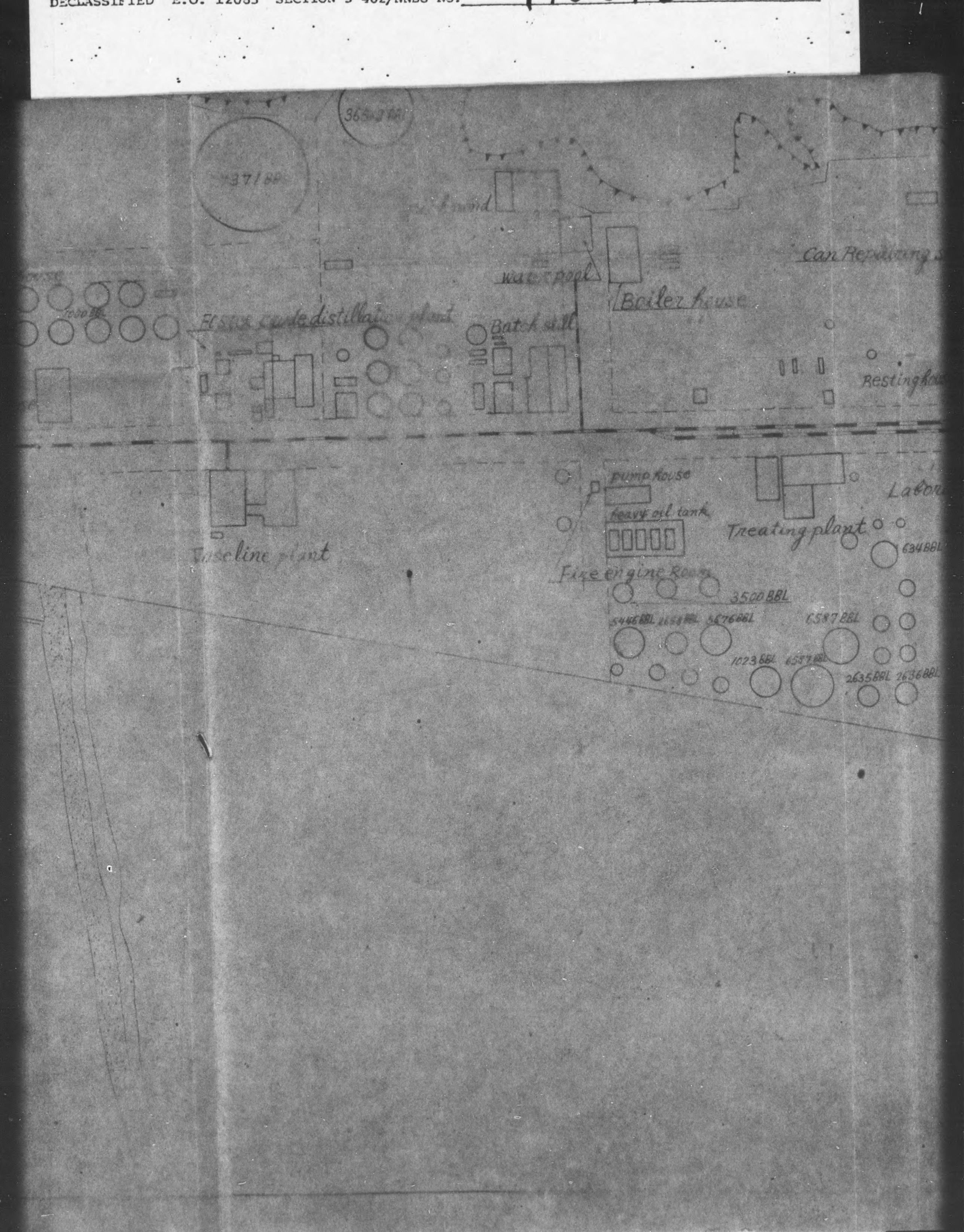
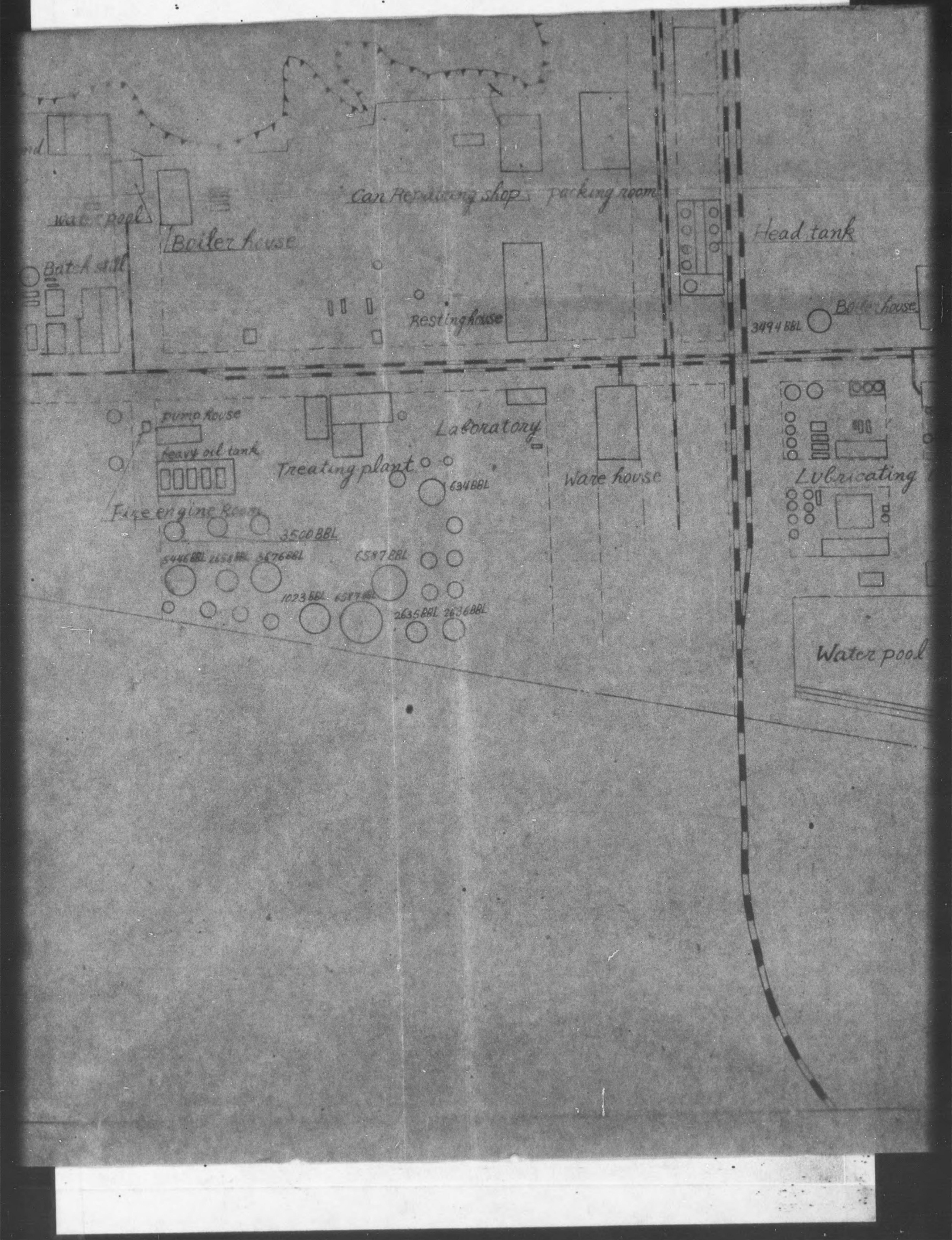
DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO.



DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 77-0015



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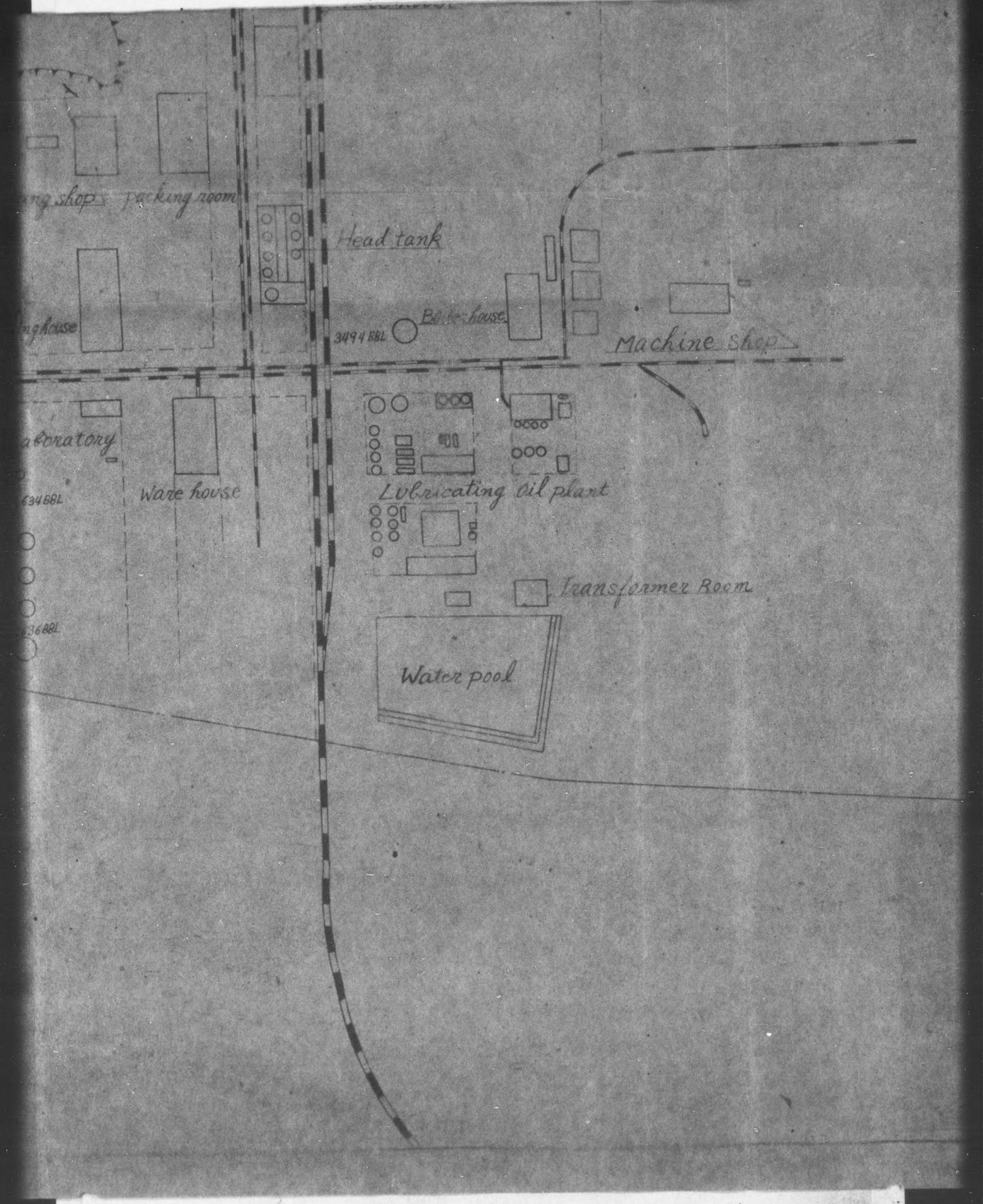

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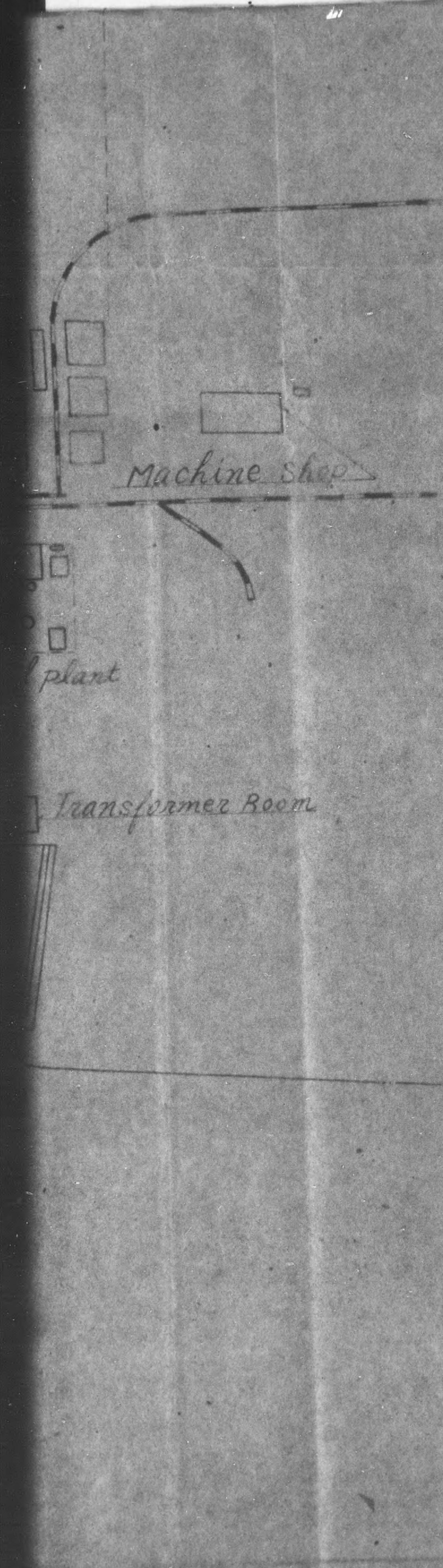
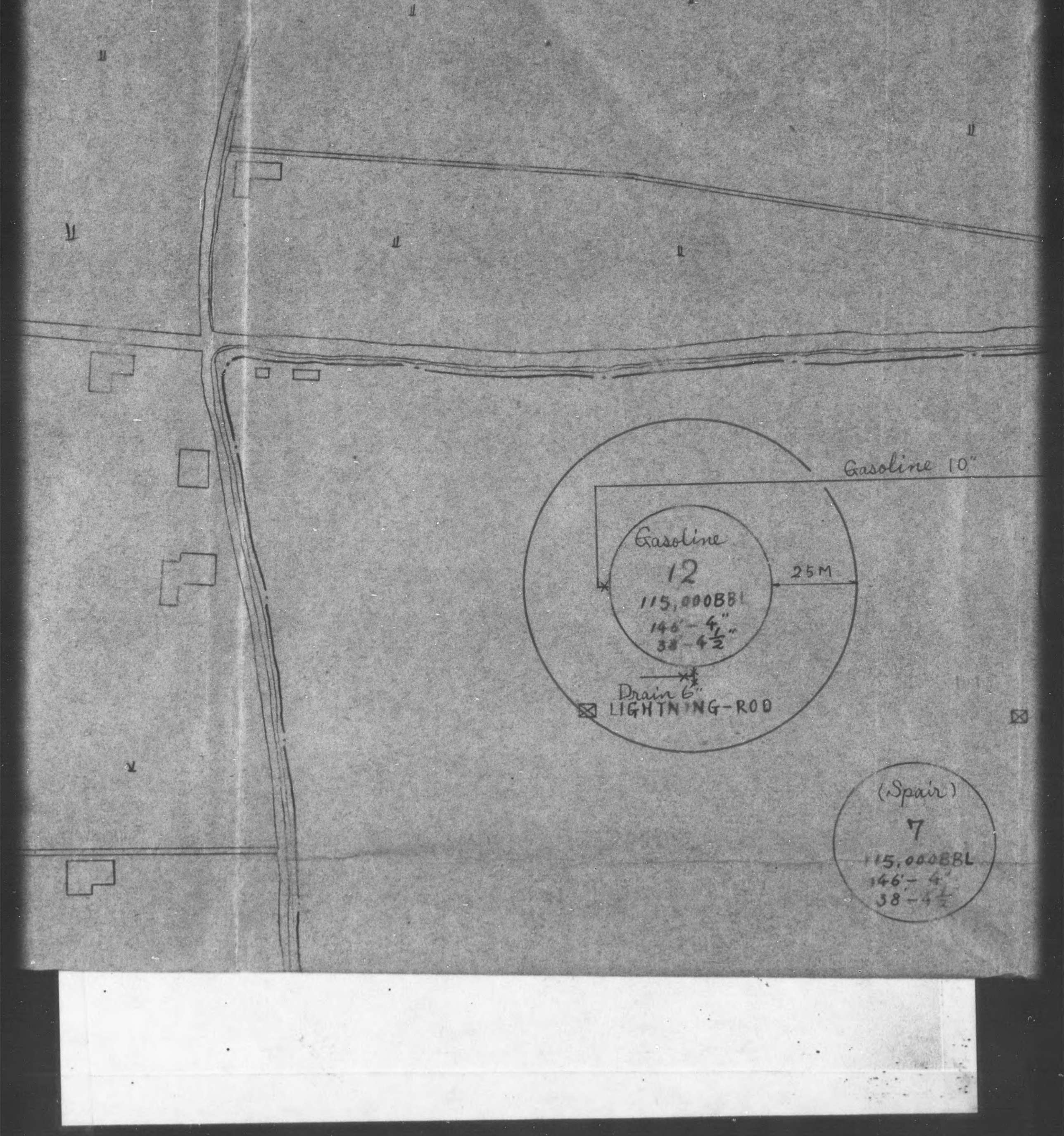


PLOT PLAN

KUDAMATU REFINERY

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

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



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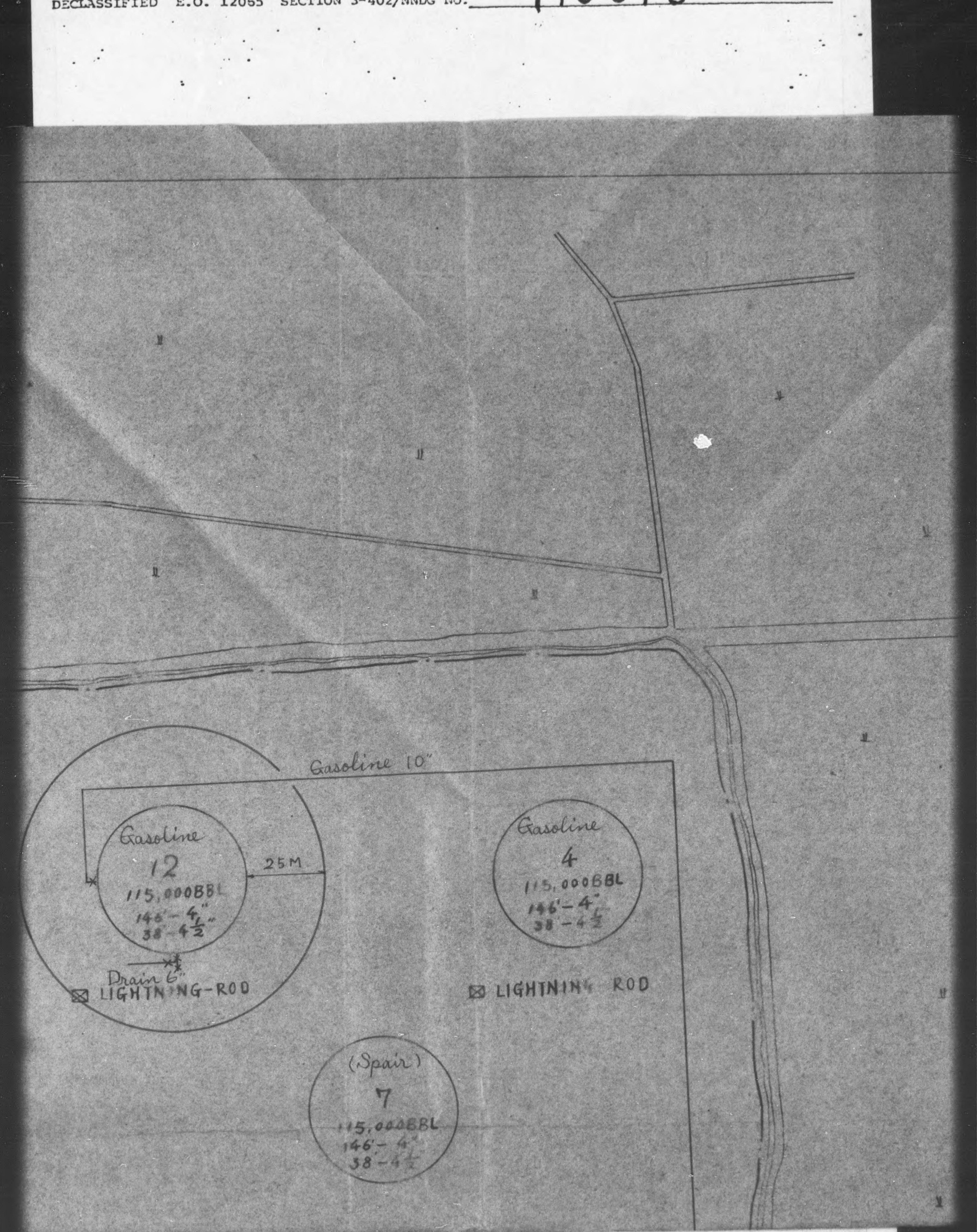


DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO.

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

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

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

(Spair)
7
15,000BBL
146'-4"
38'-4½"

(Crude oil)
10
115,000BBL
146'-4"
38'-4½"

LIGHTNING-ROD

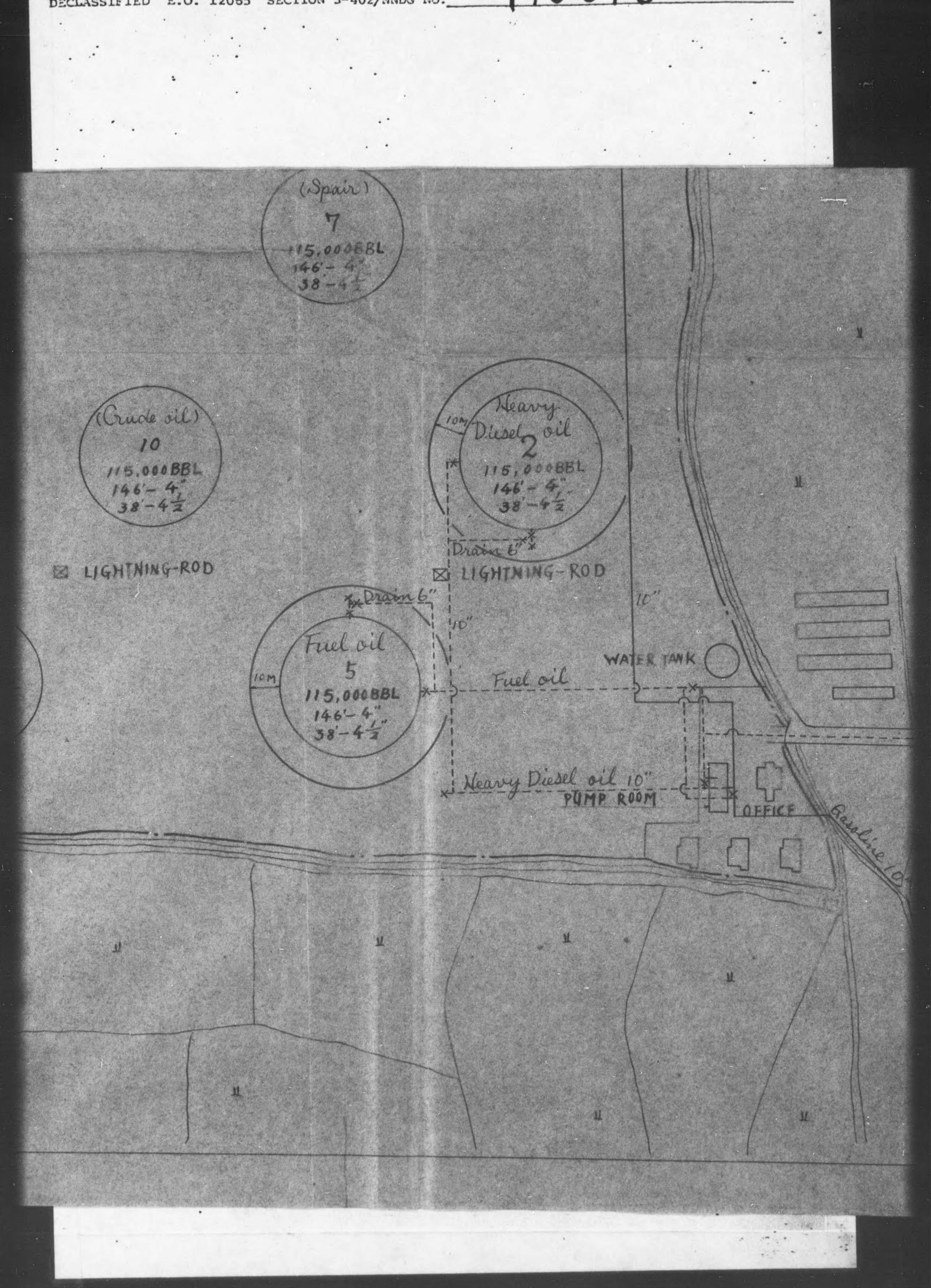
(Crude oil)
13
115,000BBL
146'-4"
38'-4½"

Drain

Fuel oil
5
115,000BBL
146'-4"
38'-4½"

10M

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



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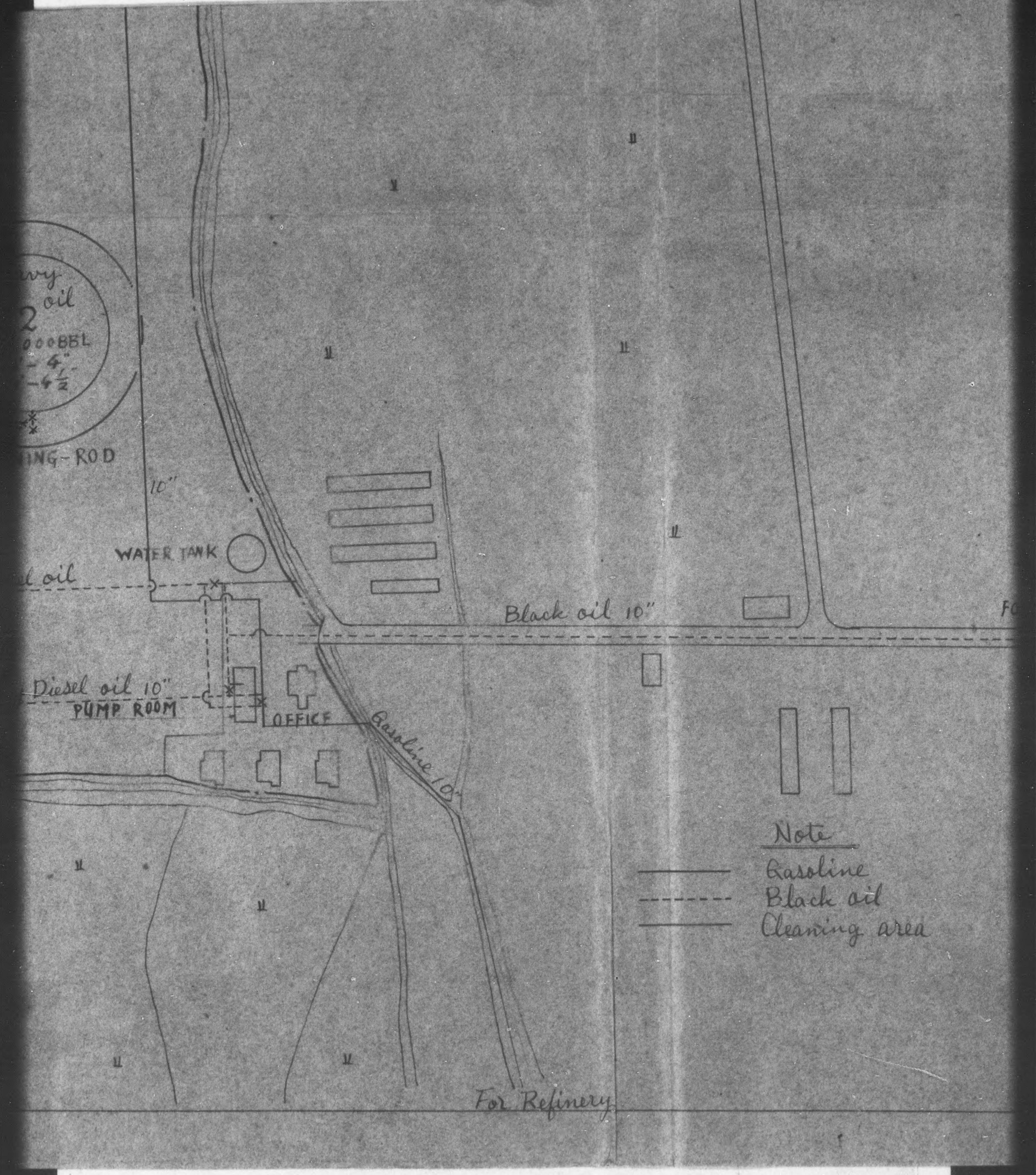


DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO.

Black oil 10"

FOR REFINERY

Note

Gasoline

Black oil

Cleaning area

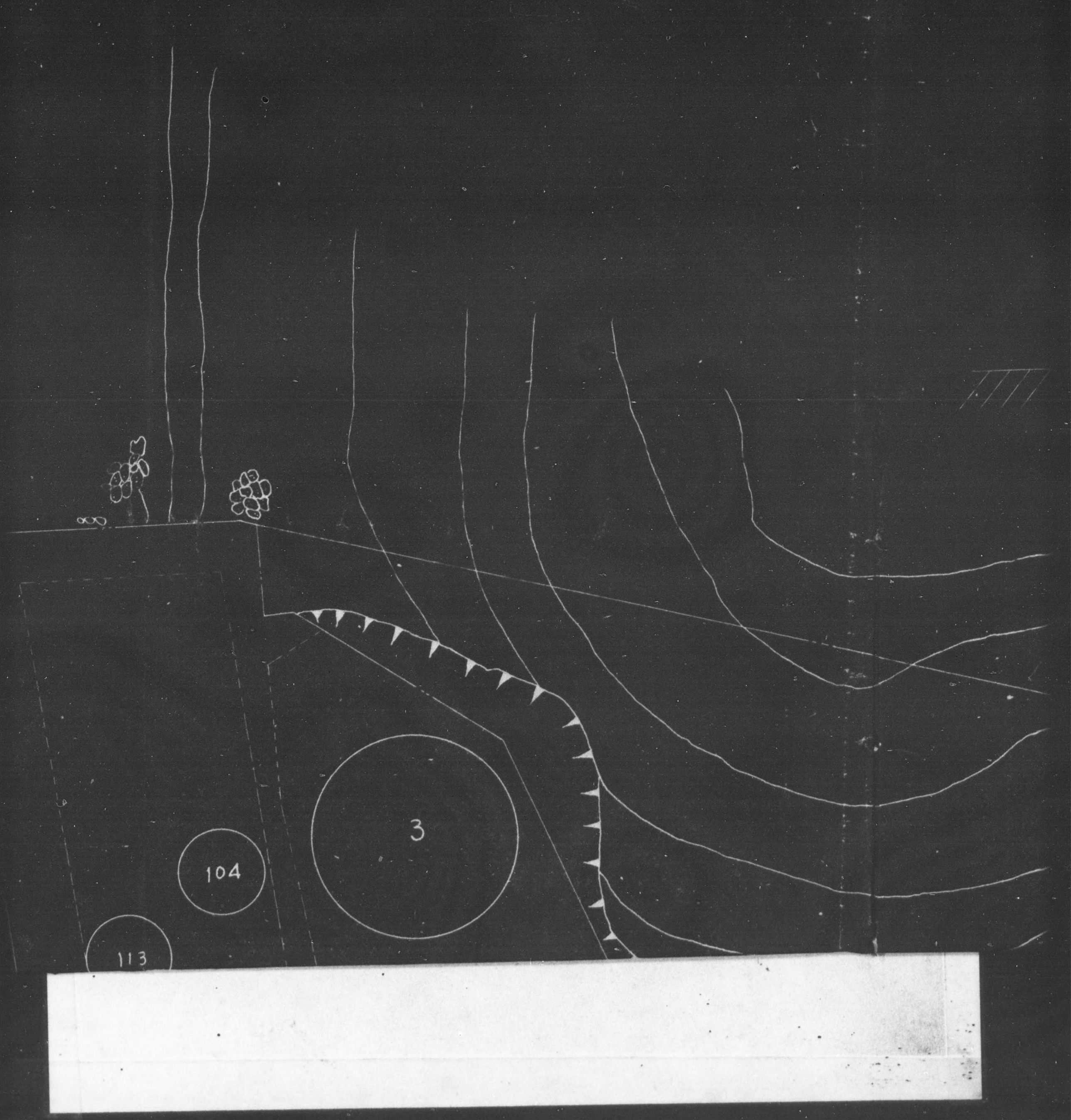
Refinery

Proposed Pipe Line Lay Out.

SUETAKE TANK YARD

1948. 11. 11

製図		実図	1948.11.11
SCALE 1/1,200			M－59

DECLASSIFIED E.O. 12065 SECTION 3 402/MR83 #3

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