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

GHQ/SCAP Records(RG 331)
Description of contents

THE NATIONAL ARCHIVES OF THE UNITED STATES

(1) Box no. 2724

(2) Folder title/number : (22)
Mitsubishi Oil Co., Kawasaki Plant

(3) Date : Apr. 1950 - July 1950

(4) Subject :

Classification	Type of record
9617, 9621	Z

(5) Item description and comment :
Kanagawa

(6) Reproduction : (Yes) No

(7) Film no. Sheet no.

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

Report of Actual Thruput during December

No. 5

Authorized 3,000 Bbls/day

To: Distribution & Industry Division
Economics Section
Hdq. Kanto Civil Affairs Region.

From: Mitsubishi Oil Co., Ltd.
No.8, 2-chome, Marunouchi,
Chiyoda-ku, Tokyo.

Crude Oil	Seria and Abqaiq
Thruput during December	14,792.359 Kls. (93,029.146 Bbls)

H. Takenobu
for M. USHIBA, Manager,
Business Department,
Mitsubishi Oil Co., Ltd.

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

Mr Jones

Pacific Coast Oil Refinery

GENERAL HEADQUARTERS
SUPREME COMMANDER FOR THE ALLIED POWERS
Civil Affairs Section
APO 500

28 JUL 1950

463.8(6 July 1950)CAS-EM

SUBJECT: Operation of Pacific Coast Refineries and Import of Crude Petroleum

File Mitsubishi Oil Co Kawasaki Plant

TO: Chief
Kanto Civil Affairs Region
APO 500

1. References are:

a. Memorandum for Ministry of International Trade and Industry, Mining Bureau, Petroleum Administrative Section, from General Headquarters, Supreme Commander for the Allied Powers, Economic and Scientific Section, 463.8(5 Jul 50)ESS/IND, subject: Operation of Pacific Coast Refineries and Import of Crude Petroleum, 5 July 1950, Inclosure 1.

b. Letter FOM No. 807 (MITI), Ministry of Foreign Affairs, subject: Report on Possibility of Commencing Refinery Operations at Pacific Coast Oil Refinery, 26 April 1950, Inclosure 2.

2. Surveillance will be exercised in accordance with provisions of paragraph 3a, Operational Directive No. 11, General Headquarters, Supreme Commander for the Allied Powers, Civil Affairs Section, dated 10 April 1950.

FOR THE CHIEF, CIVIL AFFAIRS SECTION:

J. A. O'BRIEN
CMC USA
Adm Off

2 Incls:
1. Memo for MITI
5 Jul 50 (Cy)
2. FOM ltr No. 807 (MITI)
26 Apr 50 (Cy)

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

GENERAL HEADQUARTERS
SUPREME COMMANDER FOR THE ALLIED POWERS
Civil Affairs Section
APO 500

463.8(6 July 1950)CAS-EM

28 JUL 1950

SUBJECT: Operation of Pacific Coast Refineries and Import of Crude Petroleum

TO: Chief
Kanto Civil Affairs Region
APO 500

1. References are:

a. Memorandum for Ministry of International Trade and Industry, Mining Bureau, Petroleum Administrative Section, from General Headquarters, Supreme Commander for the Allied Powers, Economic and Scientific Section, 463.8(5 Jul 50)ESS/IND, subject: Operation of Pacific Coast Refineries and Import of Crude Petroleum, 5 July 1950, Inclosure 1.

b. Letter FOM No. 807 (MITI), Ministry of Foreign Affairs, subject: Report on Possibility of Commencing Refinery Operations at Pacific Coast Oil Refinery, 26 April 1950, Inclosure 2.

2. Surveillance will be exercised in accordance with provisions of paragraph 3a, Operational Directive No. 11, General Headquarters, Supreme Commander for the Allied Powers, Civil Affairs Section, dated 10 April 1950.

FOR THE CHIEF, CIVIL AFFAIRS SECTION:

J. A. O'BRIEN
CWO USA
Adm Off

RECORDED

2 Incls:
1. Memo for MITI
5 Jul 50 (Cy)
2. FOM ltr No. 807 (MITI)
26 Apr 50 (Cy)

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

GENERAL HEADQUARTERS
SUPREME COMMANDER FOR THE ALLIED POWERS
Economic and Scientific Section
APO 500

HBO/WT/TMc/yt

5 July 1950

463.8(5 Jul 50)ESS/IND

MEMORANDUM FOR: Ministry of International Trade and Industry, Mining Bureau, Petroleum Administrative Section, No. 2-chome, Kasumigaseki, Chiyoda-ku, Tokyo

SUBJECT: Operation of Pacific Coast Refineries and Import of Crude Petroleum

1. References are:

a. Memorandum for the Japanese Government from General Headquarters, Supreme Commander for the Allied Powers, AG 463.7(13 Jul 49) ESS/IND, SCAPIN 6983-A, 28 November 1949, subject: Operation of Pacific Coast Refineries and Import of Crude Petroleum.

b. Letter FCM No. 807(MITI), subject: Report on Possibility of Commencing Refinery Operations at Pacific Coast Oil Refinery, dated 26 April 1950 (Kawasaki refinery of Mitsubisni Oil Co.).

c. Letter FCM No. 1284(MITI), subject: Receiving of Crude Petroleum and Commencement of Refining Operation at Pacific Coast Refinery, dated 26 June 1950 (Marifu refinery of Koa Oil Co.).

2. Refining operations at the rate of 3,000 barrels of crude oil per calendar day, including topping and cracking operations, are approved for each of the refineries mentioned in references 1b and 1c. Dates of commencement of such operations are dependent on availability of crude oil in the amounts indicated.

3. Reference refineries are authorized to install necessary equipment to produce a full line of products from crude oil if the owners so desire.

4. It is requested that a plan of allocation of crude oil to reference refineries be submitted by 12 July 1950.

FOR THE CHIEF, ECONOMIC AND SCIENTIFIC SECTION:

MAURICE M. GLASS
Chief, Industry Division

Copies furnished;
CAS
CHS

Incl 1

CAS

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

COPY

TO : GENERAL HEADQUARTERS, SUPREME COMMANDER FOR THE ALLIED POWERS

FROM : Ministry of Foreign Affairs

SUBJECT : Report on Possibility of Commencing Refinery Operations at Pacific Coast Oil Refinery

FOM No. 807 (MITI) 26 April 1950

1. Reference: SCAP memorandum, AG 463.7(13 Jul 49)ESS/IND, SCAPIN 6983-A, 28 November 1949, subject: Operation of Pacific Coast Refineries and Import of Crude Petroleum.

2. Transmitted herewith is a letter of the Ministry of International Trade and Industry on the subject matter, addressed to the Economic and Scientific Section, General Headquarters, Supreme Commander for the Allied Powers.

FOR THE MINISTER:

(T. Yoshioka)
Chief of Liaison Section
Liaison Bureau,
Ministry of Foreign Affairs

1 Incl
Letter of International
Trade and Industry Ministry
LO No. 94 in triplicate

COPY

Incl. 2

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

20 April 1950

L. O. No. 94

TO : Economic and Scientific Section, GHQ, SCAP

FROM : Ministry of International Trade and Industry

THROUGH : Ministry of Foreign Affairs

SUBJECT : Regarding Submission of Report on Possibility of Commencing Refinery Operations at Pacific Coast Oil Refinery

1. Reference is:

No. 4 intent of Memorandum for the Japanese Government from General Headquarters, Supreme Commander for Allied Powers (SCAPIN 6983-A) dated November 28, 1949, Subject: Operation of Pacific Coast Refineries and Import of Crude Petroleum.

2. The Mitsubishi Oil Co., Ltd. submitted to this Ministry a report on the possibility of commencing refinery operations subsequent to the completion of rehabilitation of the refinery equipment as per attached paper, and this Ministry has been examining the contents of the report with the result that it has arrived at the conclusion that it is deemed quite appropriate to grant a permission to this project. It is requested that your special consideration be given so as to authorize the commencement of the operation.

FOR THE MINISTER:

Katsumi Ikeo,
Chief, Liaison Office,
Ministry of International Trade
and Industry

RECEIVED
APR 25 1950
TY:AF
PM. 4:00
LIAISON SECTION
FOREIGN MINISTRY

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

CABLE ADDRESS:
"IWASAKIOIL"
CODES:
ACME'S ETC

MITSUBISHI OIL COMPANY, LTD.

HEAD OFFICE
No. 8, 2-CHOME, MARUNOUCHI,
TOKYO, JAPAN.

REFINERY:
OGIMACHI, KAWASAKI CITY
TELEPHONE:
MARUNOUCHI, (23) 4302-6

April 13, 1950

To : Mr. Sotaro Takase
Minister of International Trade and Industry

From : Shunichi Takeuchi
President of Mitsubishi Oil Co., Ltd.
No. 8 2-chome, Marunouchi, Chiyoda-ku, Tokyo

Subject: Report on Particulars of Repair and Preparedness of Facilities at Kawasaki Refinery.

Sir:

In accordance with No. 4 Intent of GHQ Memorandum SCAPIN 6983-A under date November 28, 1949 entitled "Operation of Pacific Coast Refineries and Import of Crude Petroleum", we take pleasure in presenting, as per attached hereto, the subject report 30 days in advance of our resumption of operations at Kawasaki Refinery scheduled around May 10, 1950.

Yours respectfully,

S. Takeuchi

SHUNICHI TAKEUCHI
President,
Mitsubishi Oil Co., Ltd.

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

Report on Preparedness of Refining Facilities and Resumption of Operations (As of April 10, 1950)

Mitsubishi Oil Co., Ltd. has been doing its utmost in order to prepare all its facilities at Kawasaki Refinery for the reopening of operations scheduled around May 10, 1950. The progress percentage of rehabilitation works is as follows at present.

1.	Oil Storing Facilities	98%
2.	Oil Refining Facilities	95%
3.	Accessory Facilities	90%
4.	Packing and Delivering Facilities	95%
5.	Buildings	100%

The whole rehabilitation works are scheduled to be finished by the end of April, and all facilities necessary for the resumption of operation will be available any time after May 10.

We wish to state hereunder the progress of rehabilitation works respecting chief facilities.

1. Oil Storing Facilities

Five sets of crude tanks (60,500 kl.) are already in a perfect condition, and available any time. Moreover, one 12,500 kl. tank will be completed on May 10; therefore, our refinery is now fully prepared for taking delivery of crude oil. As for product tanks and semi-product tanks, most of them are now in use for civil distribution, and available anytime for our own products when refining is started.

2. Oil Refining Facilities

(A) Topping-Cracking Combination Unit

This unit has been nearly rehabilitated, and will be completed by the end of April.

(B) Gas Stabilizing Unit

This unit, too, has already been nearly rehabilitated and will be in perfect condition by April 20. Repair of two sets of gas tanks is now somewhat in retard, but they will be completed by the end of April.

(C) Reform Unit

This unit was considerably ruined by the airraid, but is now restored to some extent, and will be in perfect condition at the end of May. There is no hindrance at all to resumption of Cracking Unit around May 10.

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

(D) Light Pressure Distillate Treating Unit

This Unit is for the purpose of treating oil before it flows into Rerun Unit, and the rehabilitation of Rerun Unit is scheduled to be finished at the end of May as mentioned above; so, we are planning to restore this Treating Unit by that time, but there will be no obstacle at all to topping and cracking operation around May 10.

(E) H.P.D.S.R.G. Kero. Treating Unit

The rehabilitation of this unit was finished for the most part before the end of March, and the rest is expected to be finished by the end of April.

(F) Grease Unit

This unit was only slightly damaged by the airraid, and it will become available with just a little repairs. We have not yet started the repairs of this Unit but it will be done only for two weeks.

3. Accessory Facilities

Most of accessory facilities were already in perfect condition when they were requisitioned by Josco, and there is no need of repairing them, only excepting No.1 Boiler. Damaged heavily by the airraid, this No.1 Boiler had been under repairs and it was rehabilitated on April 10.

The following facilities had been in perfect condition and in our use for Josco until the end of March.

No. 2 Boiler	(Building & Apparatus)
Sub-Station	(")
Sea-Water Pump House	(")
Air Compressor Room	(")
Foamite Room	(")
Repair-Shop	(")
Drum M'fg, Washing, Filling, Shoping, & Repair Plant	(")

4. Packing and Shipping Facilities

Those facilities were in complete condition and in use for Josco at the time of requisition, and are now of great use for packing and shipping civil distribution oil as follows:

(A) No. 1 Pier

This is now in perfect condition, and there will be no trouble at all even in case of a 15,000 - 20,000 Ton tanker mooring.

(B) No. 2 Pier

This is now in use for a 1,000 - 1,500 Ton coastwise tanker.

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

(C) Siding

This is now in use for about 20 tank-cars or freight-cars daily, and yet there is left some more capacity.

(D) Tank-Car Loading Rack

(E) Pump-House pertaining to Above

(F) Tank-Lorry Loading Rack

These are now in use.

(G) Packing Plant (Drum Filling Plant)

This was completed in February and is now in our use.

5. Building

Buildings such as office, storehouse, rest-room, laboratory, garage, fire extinguishing apparatus storehouse are in perfect condition and now in our use. In addition to these, some buildings belonging to the above-mentioned units are also completed.

6. Others

The following facilities, too, will be in a nearly perfect condition around May 10.

(A) Sewerage

General sewerage system, drain systems in unit areas, and oil separator are scheduled to be finished by the end of April.

(B) Electrical Work

The receiving sub-station, the most important part of all electrical works, was completed late in February, and other works are, for the most part, already completed. The rest, too, will be well in time for the resumption of operations around May 10.

(C) Sea-Water Pump House is completed at Present. Some part of Fire-Wall is expected to be finished at the end of May.

(D) Laboratory Equipment

A number of test apparatus purchased in February this year are now in our use, in addition to old ones.

As stated above, all necessary facilities will be surely repaired or arranged by May 10.

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

Tabulation of Facilities in
As of 10 April

Major Items	Minor Items	Work Description
A. Oil Storage Facilities	1. Crude Tanks	
	3 Sets Ea. 12,500 Kl.	Nos. 1, 86 & 88 Tanks
	2 Sets Ea. 11,500 Kl.	R-2 & -3 Tanks) All in perfect condition
	1 Set 12,500 Kl.	No. 203: Dismantling, Repairs & Removal
	2. Semi-Product Tanks	Land Clearing and Greding about 1,200 tsubo.
	16 Sets Ea. Smaller than 100 Kl.	Removal, 21 Tanks Repair, 15 Tanks
	16 Sets Ea. Smaller than 250 Kl	Cleaning, 26 Tanks
	5 Sets Ea. Smaller than 500 Kl	
	3. Product Tanks	
	4,000 Kl ; 5 sets	T-42, -43, -44, -46 & -50
	1,000 " ; 7 "	T-78, -41, -53, -82, -83 & -40
	350 " ; 5 "	T-51
	210 " ; 8 "	
	100 " ; 2 "	
	50 " ; 6 "	
	35 " ; 10 "	
	1,000 Kl ; 1 Set	T-45
	4. Piping & Pumps	
	Crude Pipes	From Pier to R-2 & -3. 10" 350 m, 6" 700 m.
		" " " T-1 & -203 10" 500 m
	Products Pipes	For Gasoline 6" 1,000 m, 3" 500 m.
		" Kerosene 4" 1,000 m, 3" 500 m.
		" Gas Oil 4" 1,000 m. 3" 500 m.
		" Fuel Oil 8" 400 m. 6" 1,000 m, 3" 600
		" Lube 6" 1,000 m. 4" 2,000 m. 3" 1,

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

Tabulation of Facilities in Kawasaki Refinery
As of 10 April 1950

Work Description	Scheduled Completion Date	Progress Percentage	Remarks
Tanks) All in perfect condition.	Completed	Completed	Those tanks had been Oil until they were r tion 6 April '50 for Crude Receiving.
ling, Repairs & Removal	10 May '50	40 %	
nd Greding about 1,200 tsubo. Tanks Tanks Tanks	31 Mar. '50	100 %	
-46 & -50 -82, -83 & -40	21 Mar. '50	100 %	Repairs & Arrangement use for Civil Distri for our Products as
	30 Apr. '50	70 %	Under Construction.
-2 & -3. 10" 350 m, 8" 700 m. -1 & -203 10" 500 m 6" 1,000 m, 3" 500 m. 4" 1,000 m, 3" 500 m. 4" 1,000 m. 3" 500 m. 8" 400 m. 6" 1,000 m, 3" 600 m. 6" 1,000 m. 4" 2,000 m. 3" 1,500 m.			In use for Civil Di in perfect condition

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

Progress Percentage	Remarks
Completed	Those tanks had been in use for Military Oil until they were released from Requisition 6 April '50. Now available for Crude Receiving.
40 %	
100 %	
100 %	Repairs & Arrangements completed. Now in use for Civil Distribution Oil. Available for our Products as soon as Refining starts.
70 %	Under Construction.
	In use for Civil Distribution Oil, in perfect condition.

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

Major Items	Minor Items	Work Description
	Crude Transfer Pumps	Motor-driven, Centrifugal, 75 HP, 2,800 bb
		Steam-driven, 8" x 6" x 10" 150
		" 12" x 6" x 12" 3 sets 160
		Motor-driven, Screw 75 HP, 700
		" , Centrifugal, 75 " 2,800
		" , " , 75 " 1,200
	Product Transfer Pumps	Motor-driven, 15 HP, 2 Sets (S.R.G.
		" , 3 " 3 " (
		" , 7 1/2 HP, 1 Set (Gas Oil)
		" , 50 " 2 Sets (Fuel Oil)
		Steam-Pump, 150 Ts/Hr. 1 Set (Lube)
		" , 50 " 2 Sets (")
		Motor-driven, Centrif. 7 1/2 HP 2 Sets 300
		" " 15 " 1 Set 600
		" " 5 " 1 " 275
B. Refining Facilities	1. Topping & Cracking Combination Unit	(1) Restore Pump House 97 tsubo
		(2) Repair Furnace (Its Bricks etc.)
		(3) Repair 4 Distillation Tower Insides, Rep
		(4) Repair Heat Exchanger
		(5) Repair 19 Pumps, Purchase 4 Pumps
		(6) Install new Blow-Down Tank 60 ton
		(7) Repair 26 Gauges, Renew 9 Gauges
		(8) Pipe Unit Area & Pumps
		(9) Insulation
	2. Gas Stabilizing Unit	(1) Restore Pump H'se 27 tsubo
		(2) Repair 4 Distil. Towers & 3 Rundown Tank
		(3) Repair 8 Heat Exchangers & 7 Coolers
		(4) Repair 4 Pumps, Renew 8 Pumps
		(5) Repair 11 Gauges, Renew 6 Gauges
		(6) Pipe Unit Area & Pumps
		(7) Repair 2 Gas Tanks, Gas Piping
		(8) Insulation

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

Work Description	Scheduled Completion Date	Progress Percentage
Motor-driven, Centrifugal, 75 HP, 2,800 bbl/hr.	For T-1 & -203	
Steam-driven, 8" x 6" x 10" 150 "	For T-86 & -88	
" 12" x 6" x 12" 3 sets 160 "		
Motor-driven, Screw 75 HP, 700 "		
" , Centrifugal, 75 " 2,800 "	) For R-2 & -3	
" , " , 75 " 1,200 "		
Motor-driven, 15 HP, 2 Sets (S.R.G. & Keros.)		
" , 3 " 3 " (")		
" , 7 1/2 HP, 1 Set (Gas Oil)		
" , 50 " 2 Sets (Fuel Oil)		
Steam-Pump, 150 Ts/Hr. 1 Set (Lube)		
" , 50 " 2 Sets (")		
Motor-driven, Centrif. 7 1/2 HP 2 Sets 300 Bbl/hr Ea.		
" " 15 " 1 Set 600 "		
" " 5 " 1 " 235 "		
(1) Restore Pump House 97 tsubo	15 Mar. '50	100 %
(2) Repair Furnace (Its Bricks etc.)		
(3) Repair 4 Distillation Tower Insides, Repair 5 Rundown Tanks		
(4) Repair Heat Exchanger	10 Apr. '50	
(5) Repair 19 Pumps, Purchase 4 Pumps	15 Apr. '50	90 %
(6) Install new Blow-Down Tank 60 ton	30 Apr. '50	50 %
(7) Repair 26 Gauges, Renew 9 Gauges	15 Apr. '50	90 %
(8) Pipe Unit Area & Pumps	20 Apr. '50	70 %
(9) Insulation	"	30 %
(1) Restore Pump H'se 27 tsubo	26 Feb. '50	100 %
(2) Repair 4 Distil. Towers & 3 Rundown Tanks	15 Feb. '50	"
(3) Repair 8 Heat Exchangers & 7 Coolers	31 Jan. '50	"
(4) Repair 4 Pumps, Renew 8 Pumps	10 Mar. '50	"
(5) Repair 11 Gauges, Renew 6 Gauges	20 Apr. '50	90 %
(6) Pipe Unit Area & Pumps	"	"
(7) Repair 2 Gas Tanks, Gas Piping	30 Apr. '50	
(8) Insulation	30 Mar. '50	100 %

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

...led Com- ...n Date	Progress Percentage	Remarks
-1 & -203		
-86 & -88		
-2 & -5		
...r. '50	100 %	
...r. '50		
...pr. '50	90 %	
...pr. '50	50 %	
...pr. '50	90 %	
...pr. '50	70 %	
"	30 %	
...eb. '50	100 %	
...eb. '50	"	
...n. '50	"	
...ar. '50	"	
...pr. '50	90 %	
"	"	
...pr. '50		Repair delayed, but no effect on refining operation.
...ar. '50	100 %	

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

Major Items	Minor Items	Work Description
	3. Pressure Distillate Rerun Unit	(1) Repair Pump H'se (2) Repair 3 Distil. Tower & 5 Rundown Ta (3) Repair 7 Heat Exchanger & 7 Coolers (4) Repair 8 Gauges, Renew 3 Gauges. (5) Pipe Unit Area & Pumps (6) Insulation
	4. Light Pressure Distillate Treating Unit	(1) Repair Pump H'se. Other Construct. A (2) Repair & Clean Inside of Washing Towe (3) Repair 4 Heat Exchangers & 3 Coolers (4) Repair 5 & Renew 6 Pumps (5) Repair & Install 6 Gauges (6) Pipe Unit Area & Pumps (7) Insulation
	5. H.P.D. S.R.G. Kero. Treating Unit	(1) Restore Pump H'se, Conduits. Other C (2) Repair 9 Washing Towers & 10 Rundown (3) Repair Heat Exchangers & Coolers (4) Repair 10 Pumps. Install other new (5) Repair 3 Gauges. Install other new (6) Pipe Unit Area & Pumps
	6. Grease Unit	(1) Repair Building (2) Piping
C. Accessories	1. 1st Boiler	(1) Restore Boiler Room (2) Repair 4 Boilers. Limit Pressure 10 (3) Repair Softening Unit (4) Repair Heat Exchangers & Coolers (5) Repair Steam Line (6) Repair & Install Gauges (7) Insulation (8) Pipe Compressed Air Line (9) Pipe Process Water Line

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

Work Description	Scheduled Completion Date	Progress Percentage	
) Repair Pump H'se	30 Apr. '50	95 %	Rerun Unit
) Repair 3 Distil. Tower & 5 Rundown Tanks	28 Feb. '50	100 %	Operation
) Repair 7 Heat Exchanger & 7 Coolers	15 May '50	60 %	on the ope
) Repair 8 Gauges, Renew 3 Gauges.	"	"	
) Pipe Unit Area & Pumps	"	30 %	
) Insulation	30 May '50	-	
) Repair Pump H'se. Other Construct. Work	15 Feb. '50	100 %	This Unit
) Repair & Clean Inside of Washing Towers & 4 Rundown Tanks	1 Feb. '50	"	Operation
) Repair 4 Heat Exchangers & 3 Coolers	30 Apr. '50	80 %	
) Repair 5 & Renew 6 Pumps	"	30 %	
) Repair & Install 6 Gauges	15 Apr. '50	30 %	
) Pipe Unit Area & Pumps	Uncertain		
) Insulation	"		
) Restore Pump H'se, Conduits. Other Construct. Work	31 Jan. '50	100 %	
) Repair 9 Washing Towers & 10 Rundown Tanks	31 Mar. '50	"	
) Repair Heat Exchangers & Coolers	30 Apr. '50	90 %	
) Repair 10 Pumps. Install other new Pumps	28 Feb. '50	100 %	
) Repair 3 Gauges. Install other new Gauges	20 Apr. '50	70 %	
) Pipe Unit Area & Pumps	30 Apr. '50	30 %	
) Repair Building	Uncertain	90 %	
) Piping	"	"	
) Restore Boiler Room	31 Jan. '50	100 %	Test Run
) Repair 4 Boilers. Limit Pressure 10 kg/cm^2. Cap. 3 ton/hr.	28 Feb. '50	"	
) Repair Softening Unit	10 Apr. '50	"	
) Repair Heat Exchangers & Coolers	28 Feb. '50	"	
) Repair Steam Line	10 Mar. '50	"	
) Repair & Install Gauges	10 Apr. '50	"	
) Insulation	30 Mar. '50	"	
) Pipe Compressed Air Line	28 Feb. '50	"	
) Pipe Process Water Line	"	"	

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

Scheduled Completion Date	Progress Percentage	Remarks
30 Apr. '50	95 %	Rerun Unit to be rehabilitated after Cracking
28 Feb. '50	100 %	Operation is started, but with no bad effect
15 May '50	60 %	on the operation.
"	"	
"	30 %	
30 May '50	-	
15 Feb. '50	100 %	This Unit will not be used for Refining
1 Feb. '50	"	Operation in the beginning.
29 Apr. '50	80 %	
"	50 %	
15 Apr. '50	50 %	
Uncertain		
"		
31 Jan. '50	100 %	
11 Mar. '50	"	
20 Apr. '50	90 %	
28 Feb. '50	100 %	
30 Apr. '50	70 %	
15 Apr. '50	30 %	
Uncertain	90 %	
"	"	
31 Jan. '50	100 %	Test Run finished.
28 Feb. '50	"	
30 Apr. '50	"	
28 Feb. '50	"	
31 Mar. '50	"	
30 Apr. '50	"	
31 Mar. '50	"	
28 Feb. '50	"	
"	"	

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

Major Items	Minor Items	Work Descripti
2. 2nd Boiler		Building. Ferro-Concrete One-
		Boiler 7 ton/hr 2 sets
3. Sub-Station		Building. Ferro-Concrete One-
		Receiving Unit 300 KVA 3 set
		100 " 1 set
4. Sea-Water Pump House		Building. Ferro-Concrete One-
		Pump 150 HP 3 sets
5. Air Compressor Room		Building. Ferro-Concrete One-
		Air Compressor 75 HP 2 sets
		100 " 1 set
6. Fosmite Room		Building. Ferro-Concrete Two-
		Pump 50 HP 100 Ton/hr
7. Repair-Shop		Building. Ferro-Concrete One-
		Full Set of Repair-Apparatus
8. Drum M'fg, Washing & Filling Plant		Building. Ferro-Concrete One-
		Capacity. 1,500 drums per day
9. Drum Shaping Plant		Building. Ferro-Concrete One-
10. Drum Repair Plant		Building. Ferro-Concrete One-
11. 1st Drum Washing Plant		Building. Ferro-Framed, Slated
12. 2nd Drum Washing Plant		Building. Ferro-Concrete One-

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

Work Description	Scheduled Completion Date	Progress Percent
Building. Ferro-Concrete One-Storied House 64 Tsubo Boiler 7 ton/hr 2 sets	Completed	100 %
Building. Ferro-Concrete One-Storied House 45 Tsubo Receiving Unit 300 KVA 3 sets 100 " 1 set	"	"
Building. Ferro-Concrete One-Storied House 25.9 Tsubo Pump 150 HP 3 sets	"	"
Building. Ferro-Concrete One-Storied House 44.44 Tsubo Air Compressor 75 HP 2 sets 100 " 1 set	"	"
Building. Ferro-Concrete Two-Storied House 33.81 Tsubo Pump 50 HP 100 Ton/hr	"	"
Building. Ferro-Concrete One-Storied House 161.86 Tsubo Full Set of Repair-Apparatus	"	"
Building. Ferro-Concrete One-Storied House 209.11 Tsubo Capacity. 1,500 drums per day	"	"
Building. Ferro-Concrete One-Storied House 207.30 Tsubo	"	"
Building. Ferro-Concrete One-Storied House 202.91 Tsubo	"	"
Building. Ferro-Framed, Slated One-Storied House 144.51 Tsubo	"	"
Building. Ferro-Concrete One-Storied House 49.17 Tsubo	"	"

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

...uled Com- ...on Date	Progress Percentage	Remarks
...pleted	100 %	
"	"	
"	"	
"	"	
"	"	
"	"	Already in perfect condition & in our use. To be put to our use for general purpose when refining operation is started.
"	"	
"	"	
"	"	
"	"	

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

Major Items	Minor Items	Work Description
D. Shipping Facilities	1. 1st Pier	30 m. in length, 10 m. in width, 10 m. i
	2. 2nd Pier	21m. in length, 6 m. in width, 7 m. i
	3. Siding	Now in use.
	4. Tank-Car Loading Rack	Ferro-Framed, Slated, One-Storied House,
	5. Pump-House Pertaining to Above	Ferro-Concrete, One-Storied House
	6. Tank-Lorry Loading Rack	Ferro-Framed, Slated, One-Storied House,
	7. Packing Plant	Repair Drum Filling Units
E. Building	1. 1st Office	Ferro-Concrete, Two-Storied House
	2. Field Office	"
	3. "	
	4. Laborers' Rest Room	Ferro-Concrete, One-Storied House
	5. "	"
	6. 1st Material Storehouse	"
	7. 2nd "	"
	8. 1st Product Storehouse	"
	9. Carbide Storehouse	Ferro-Framed, Slated, One-Storied House
	10. Laboratory	Ferro-Concrete, Two-Storied House
	11. Laboratory	"

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

Work Description	Scheduled Completion Date	Progress Percentage
m. in length, 10 m. in width, 10 m. in depth, Ferro-Concrete	Completed	100 %
m. in length, 6 m. in width, 7 m. in depth, Ferro-Concrete	"	"
in use.	"	"
ro-Framed, Slated, One-Storied House, 87.71 Tsubo	"	"
ro-Concrete, One-Storied House 34.20 Tsubo	"	"
ro-Framed, Slated, One-Storied House, 32.00 Tsubo	"	"
pair Drum Filling Units	20 Nov. '49	100 %
ro-Concrete, Two-Storied House 148 Tsubo	Completed	100 %
" 84 "	"	"
35.81 "	"	"
ro-Concrete, One-Storied House 120.65 "	"	"
" 45.00 "	"	"
" 216.45 "	"	"
" 226.78 "	"	"
" 216.45 "	"	"
ro-Framed, Slated, One-Storied House 30.00 "	"	"
ro-Concrete, Two-Storied House 587.00 "	"	"
" 70.00 "	"	"

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

Scheduled Completion Date	Progress Percentage	Remarks
Completed	100 %	
"	"	
"	"	
"	"	
"	"	
"	"	
20 Nov. '49	100 %	
Completed	100 %	
"	"	
"	"	
"	"	
"	"	
"	"	
"	"	
"	"	
"	"	
"	"	
"	"	
"	"	
"	"	

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

Major Items	Minor Items	Work Description
	12. Garage	Ferro-Framed, Slated, One-Storied House 51
	13. Locomotive House	" 30
	14. Fire Extinguishing Apparatus Storehouse	" 20
E. Others	1. Sewerage	(1) Repair Sewerage System in Premises, 10
		(2) No. 2 Cracking Salt Water Drain System
		(3) Repair Oil Separator
	2. Electrical Work	(1) Remove Receiving Sub-Station
		(2) Change and Repair Wiring of Sub-Station
		(3) Distribute Power inside No. 2 Cracking
		(4) Distribute Power inside Stabilizing Unit
		(5) Distribute Power in Treating Unit
		(6) Distribute Power in R.D. Rerun Unit
		(7) Distribute Power in Boiler- & Sea-water
		(8) Telephone System
	3. Fire Fighting System	(1) Restore No. 1 Sea-Water Pump R'ee
		(2) Repair Fire-Wall
	4. Laboratory Equipment	Purchase Test Apparatus

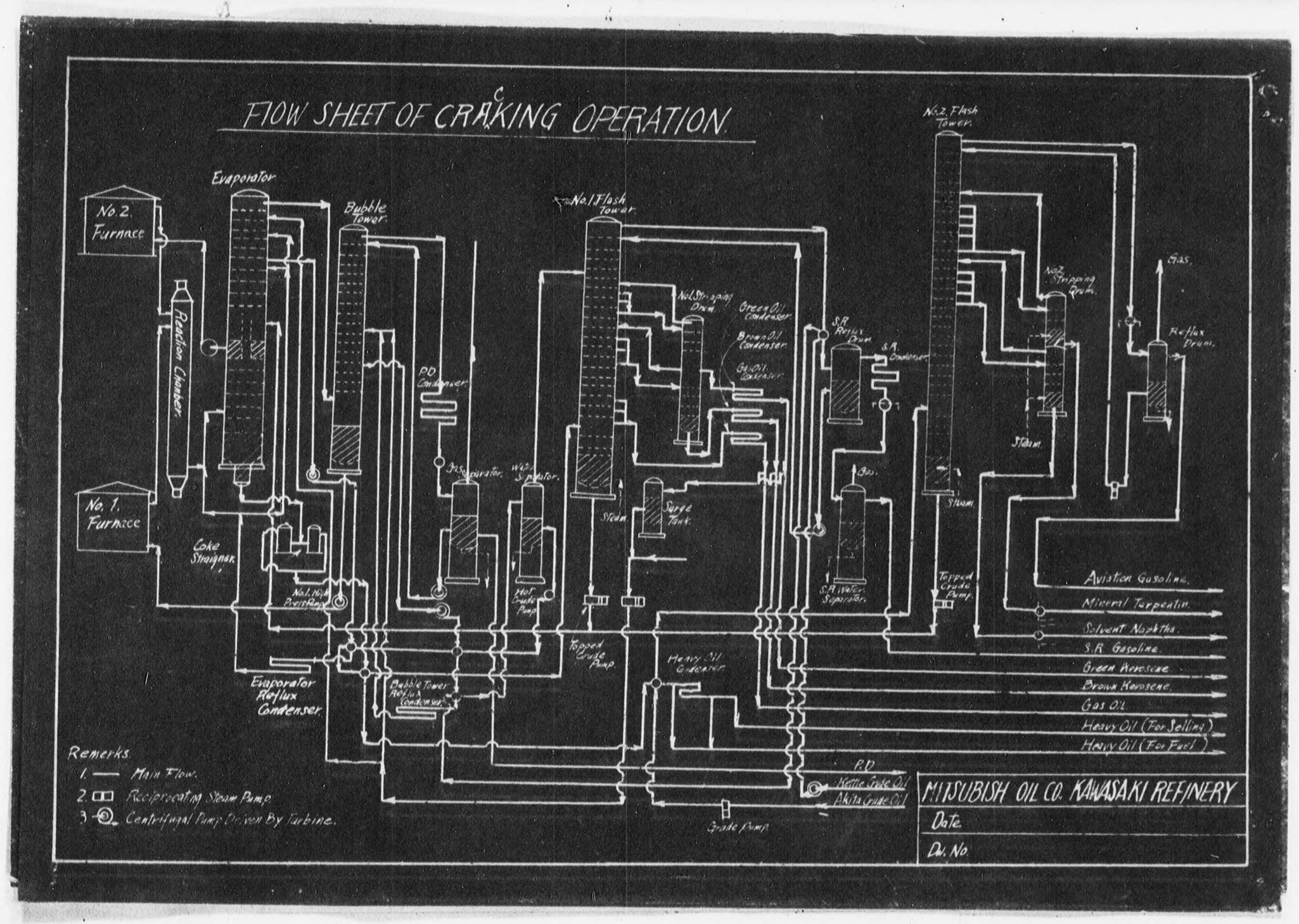
DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

Work Description		Scheduled Completion Date	Progress Percentage
Ferro-Premed, Slated, One-Storied House	51.00 Tsubo	Completed	100 %
"	30.00 "	"	"
"	20.00 "	"	"
(1) Repair Sewerage System in Premises, 100 m. long in total		30 Apr. '50	50 %
(2) No. 2 Cracking Salt Water Drain System		20 Apr. '50	"
(3) Repair Oil Separator		30 Apr. '50	55 %
(1) Remove Receiving Sub-Station		28 Feb. '50	100 %
(2) Change and Repair Wiring of Sub-Stations & others		"	"
(3) Distribute Power inside No. 2 Cracking Unit		20 Apr. '50	80 %
(4) Distribute Power inside Stabilizing Unit		"	"
(5) Distribute Power in Treating Unit		"	"
(6) Distribute Power in P.D. Rerun Unit		15 May '50	30 %
(7) Distribute Power in Boiler- & Sea-water Pump H'se		15 Mar. '50	100 %
(8) Telephone System		31 Mar. '50	"
(1) Restore No. 1 Sea-Water Pump H'se		28 Feb. '50	100 %
(2) Repair Fire-Wall		30 May '50	80 %
Purchase Test Apparatus		28 Feb. '50	100 %

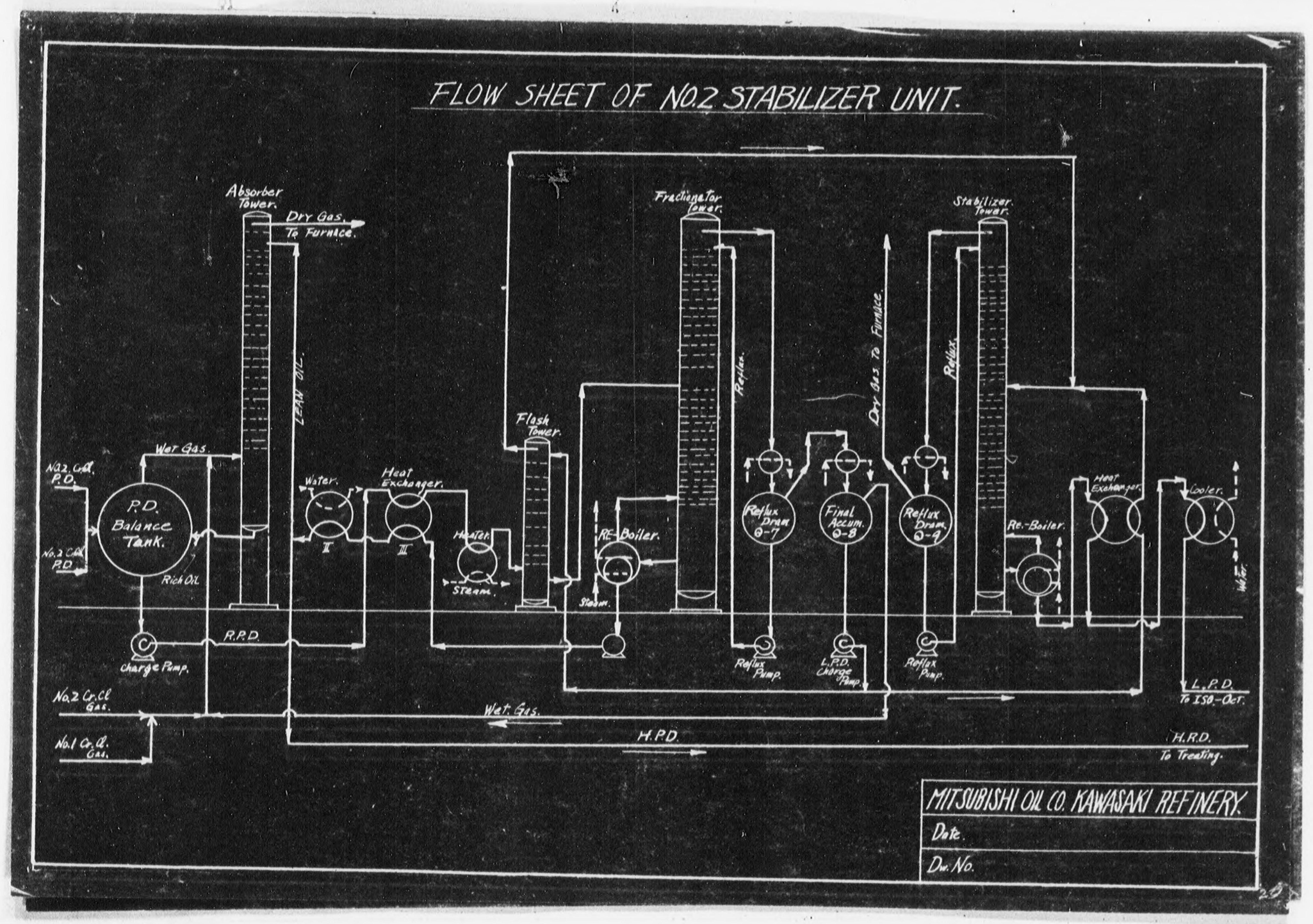
DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

led Com-	Progress	Remarks
ion Date	Percentage	
leted	100 %	
"	"	
"	"	
pr. '50	50 %	90% of Lines necessary for Unit Running
pr. '50	"	has been completed.
pr. '50	55 %	
eb. '50	100 %	
"	"	
pr. '50	80 %	
"	"	
"	"	
ay '50	30 %	
ar. '50	100 %	
ar. '50	"	
eb. '50	100 %	Foamite & Sea-Water Hydrants completed.
ay '50	80 %	
eb. '50	100 %	Existing Laboratory may be used in case
		Work delays.

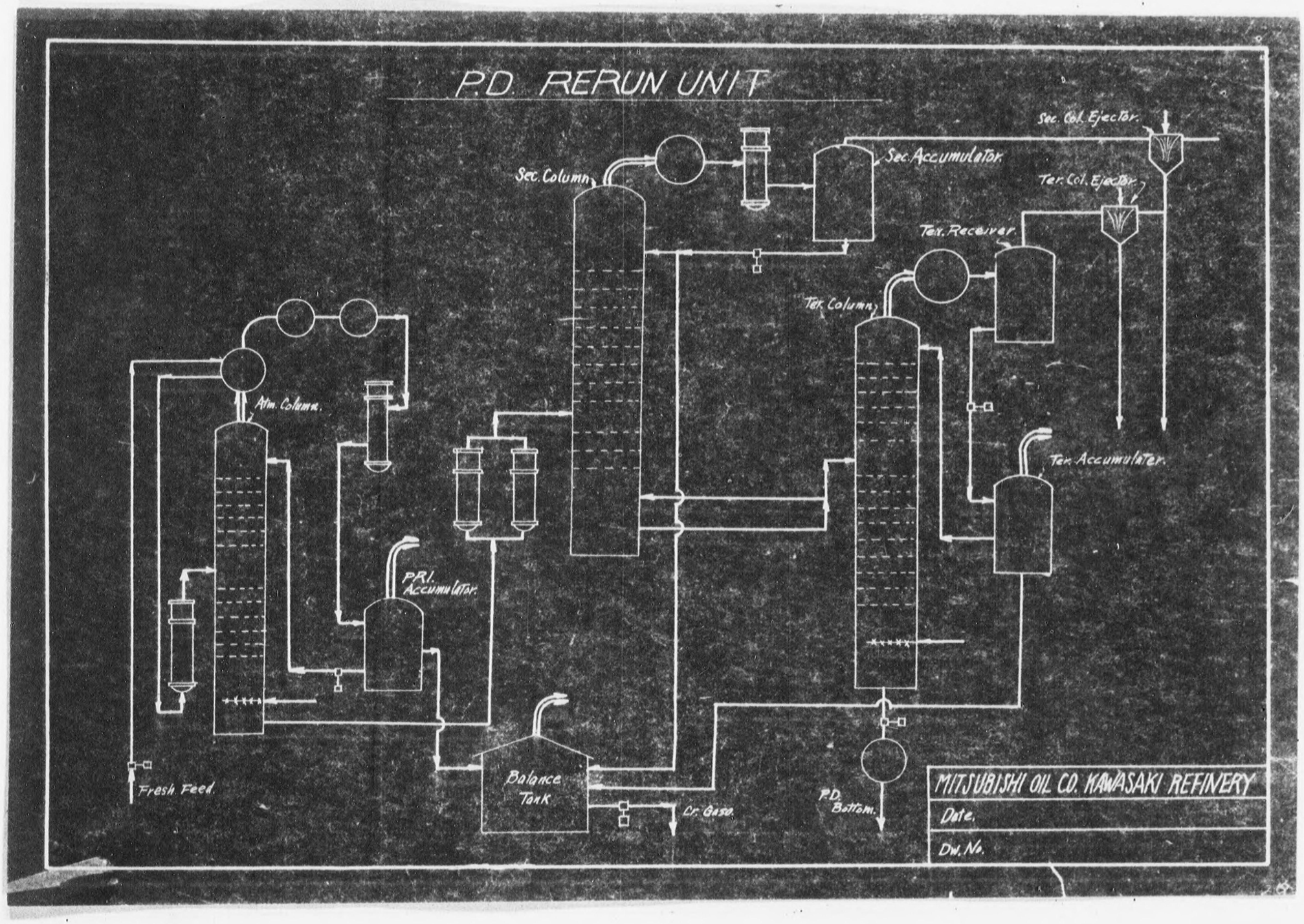
DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013



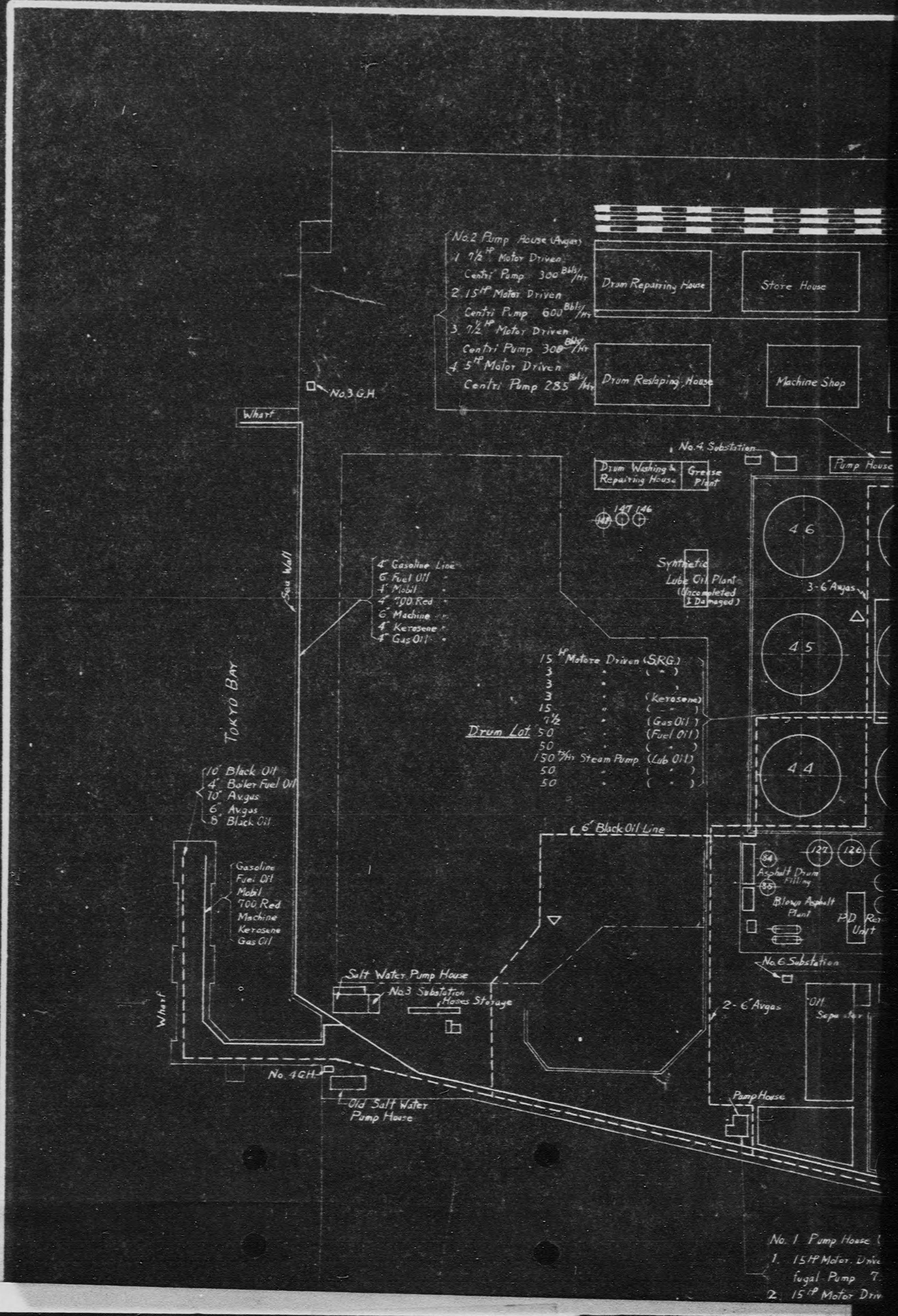
DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013



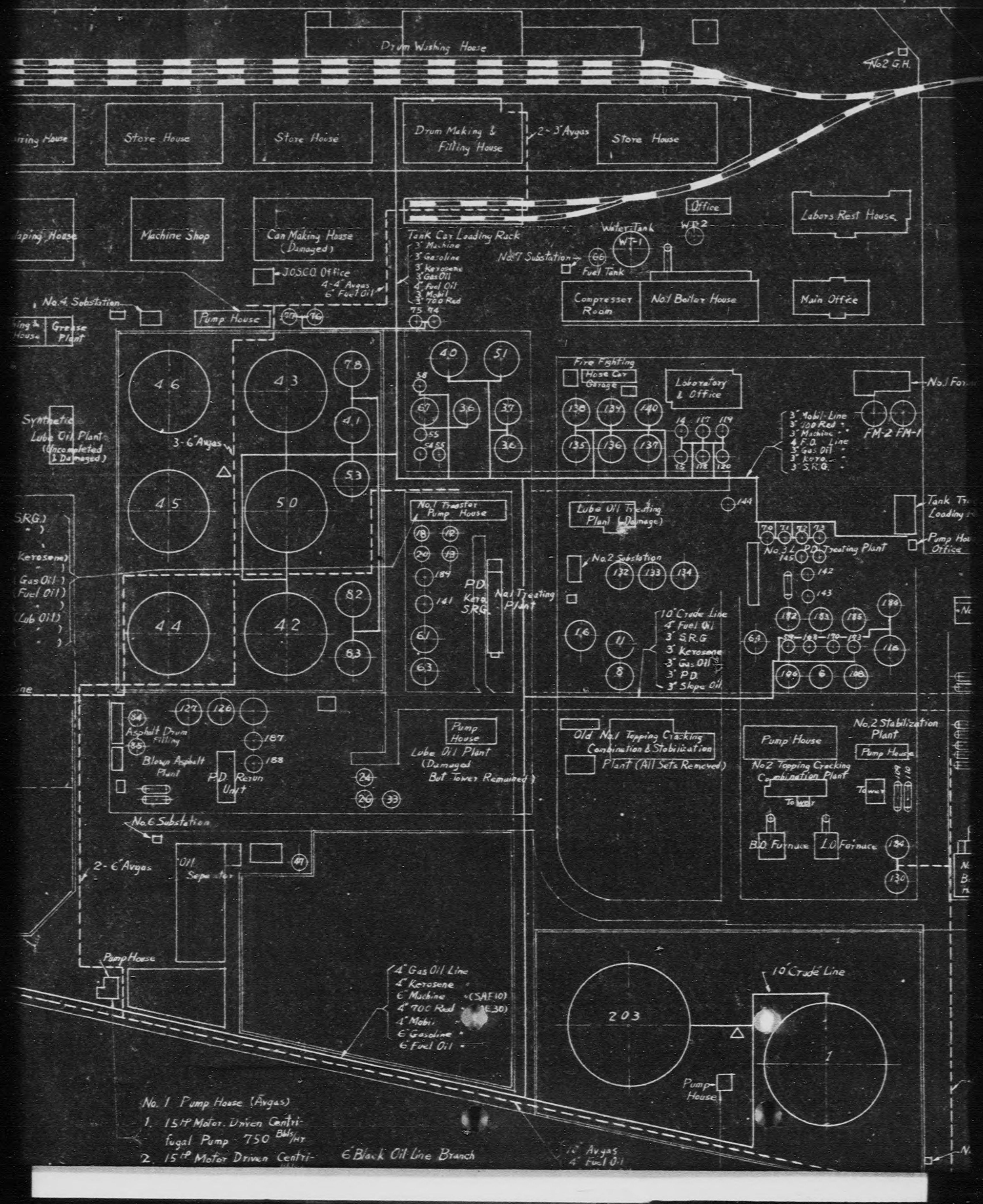
DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013



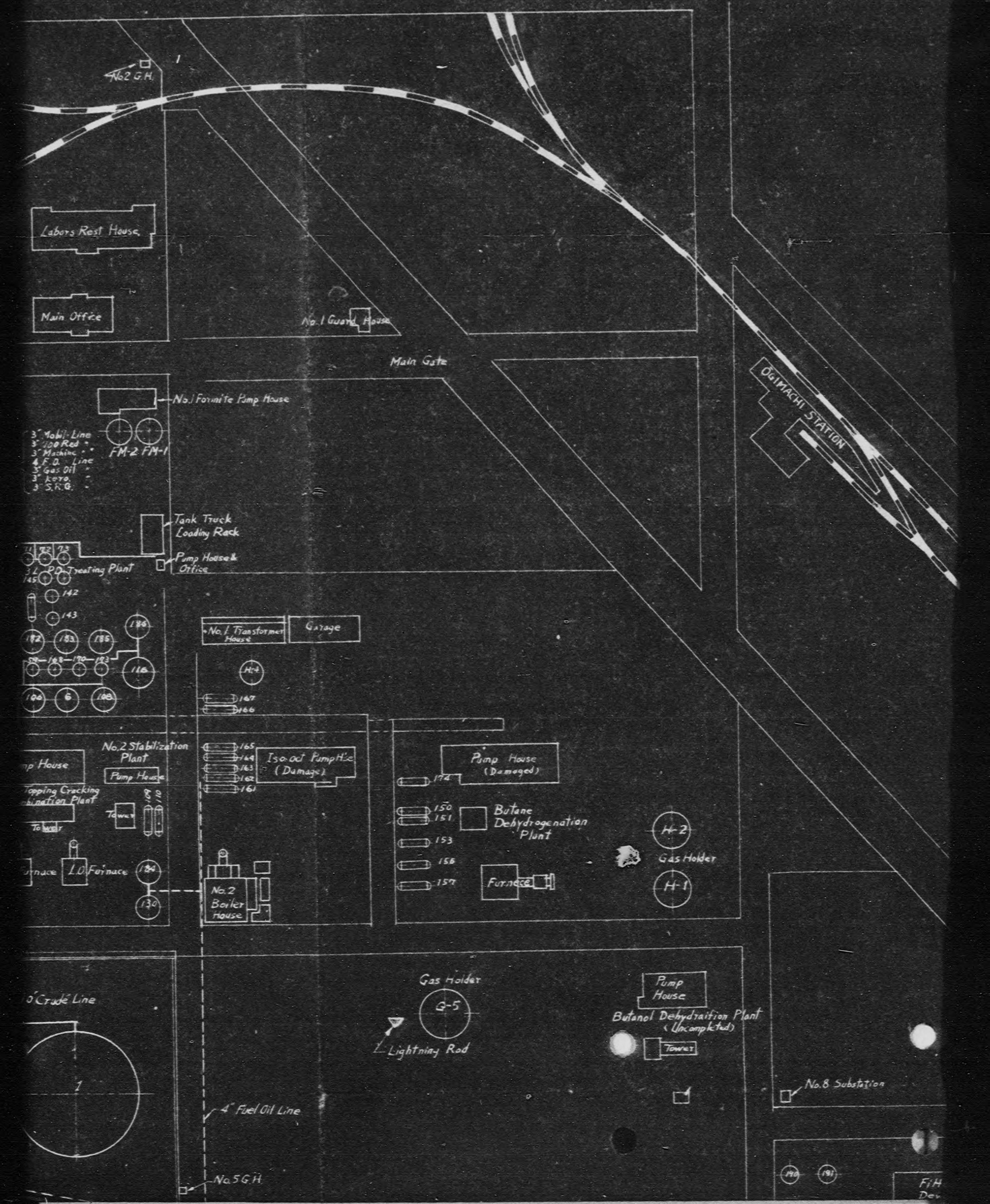
DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013



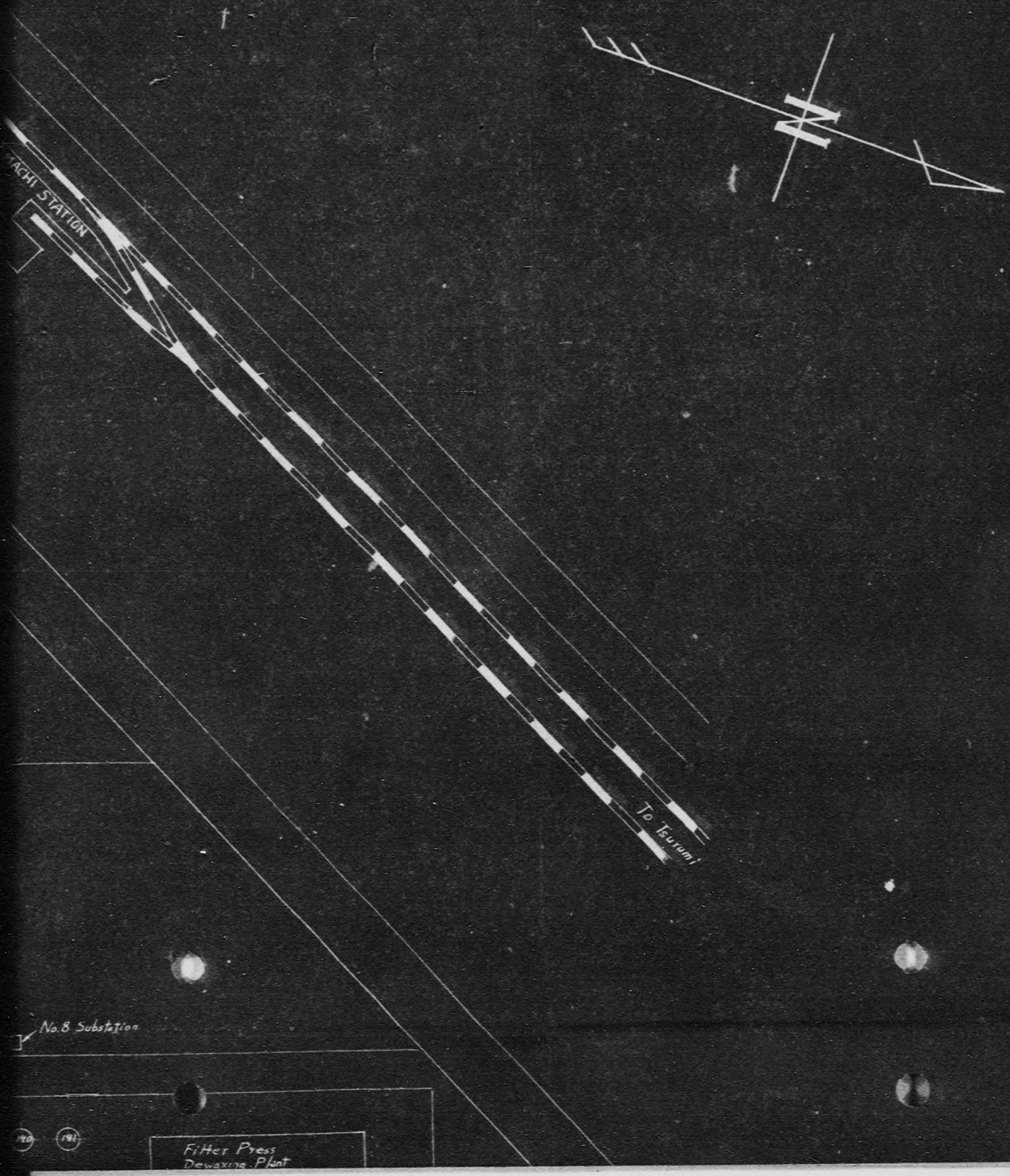
DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013



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

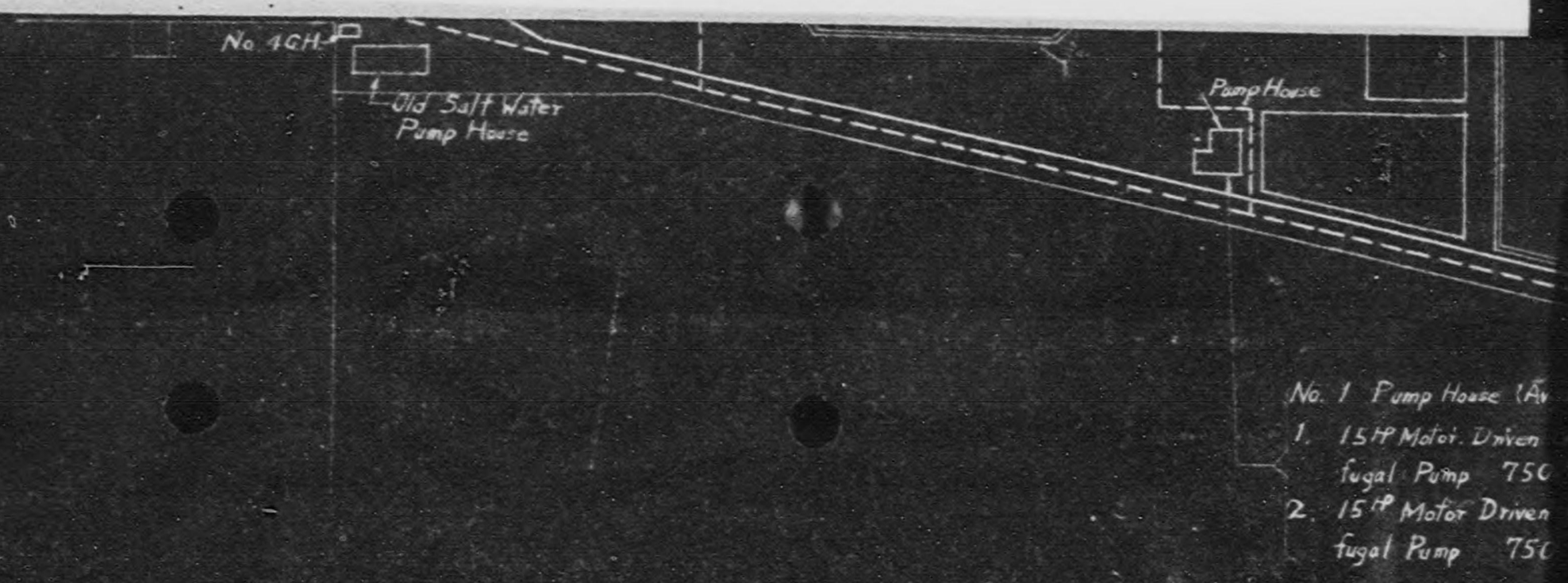


DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013



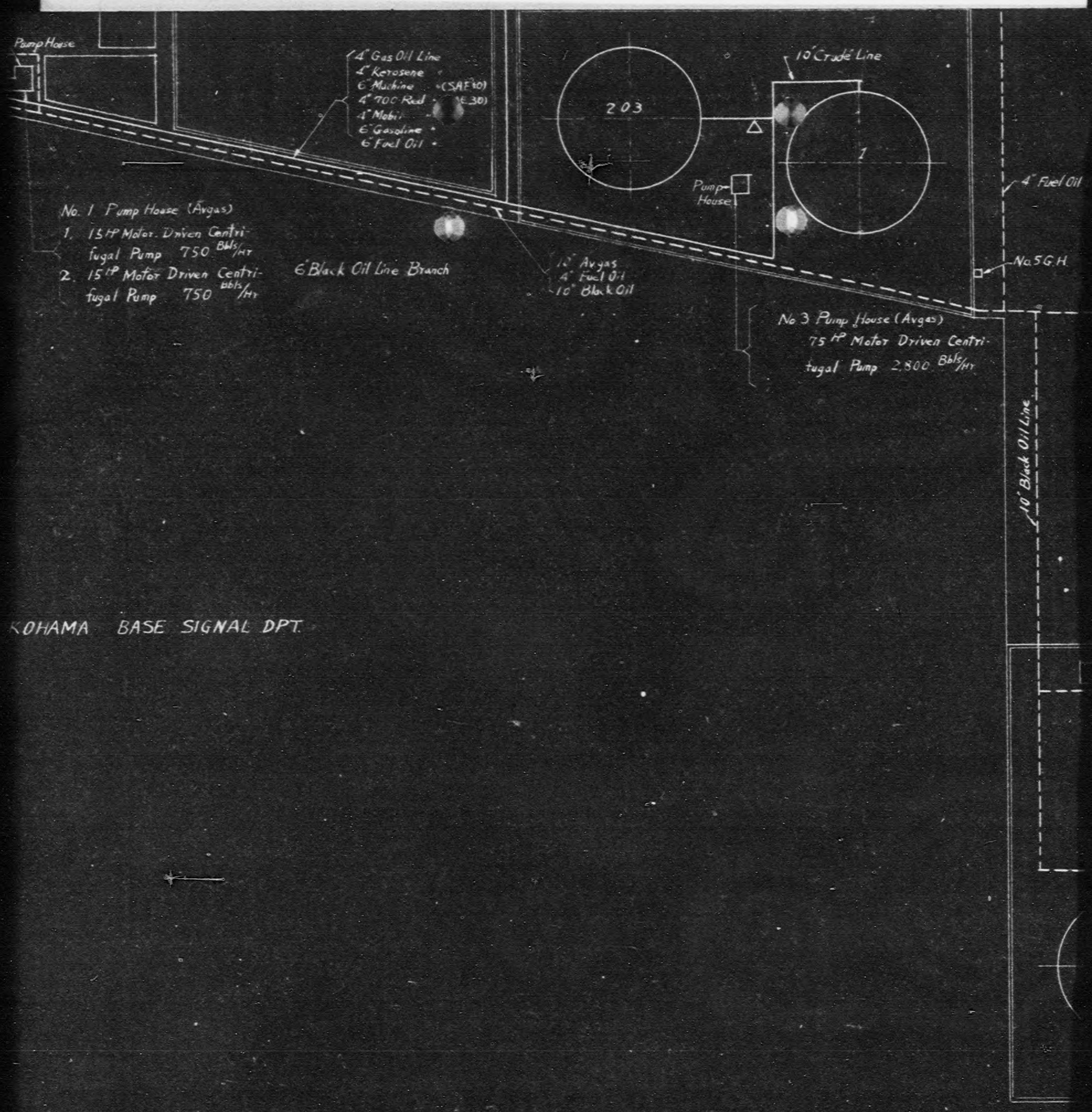
DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

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

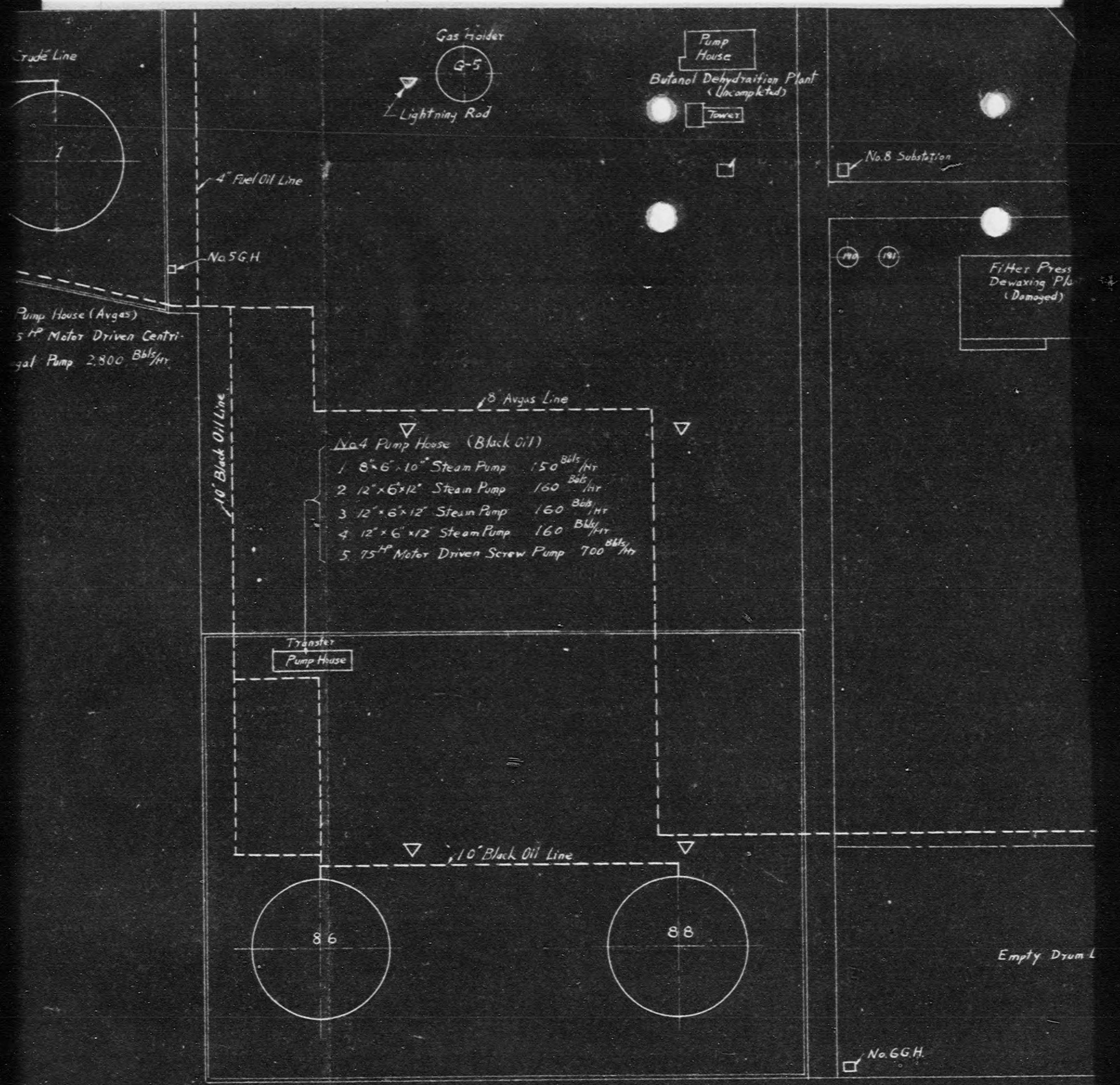


YOKOHAMA BASE SIGN

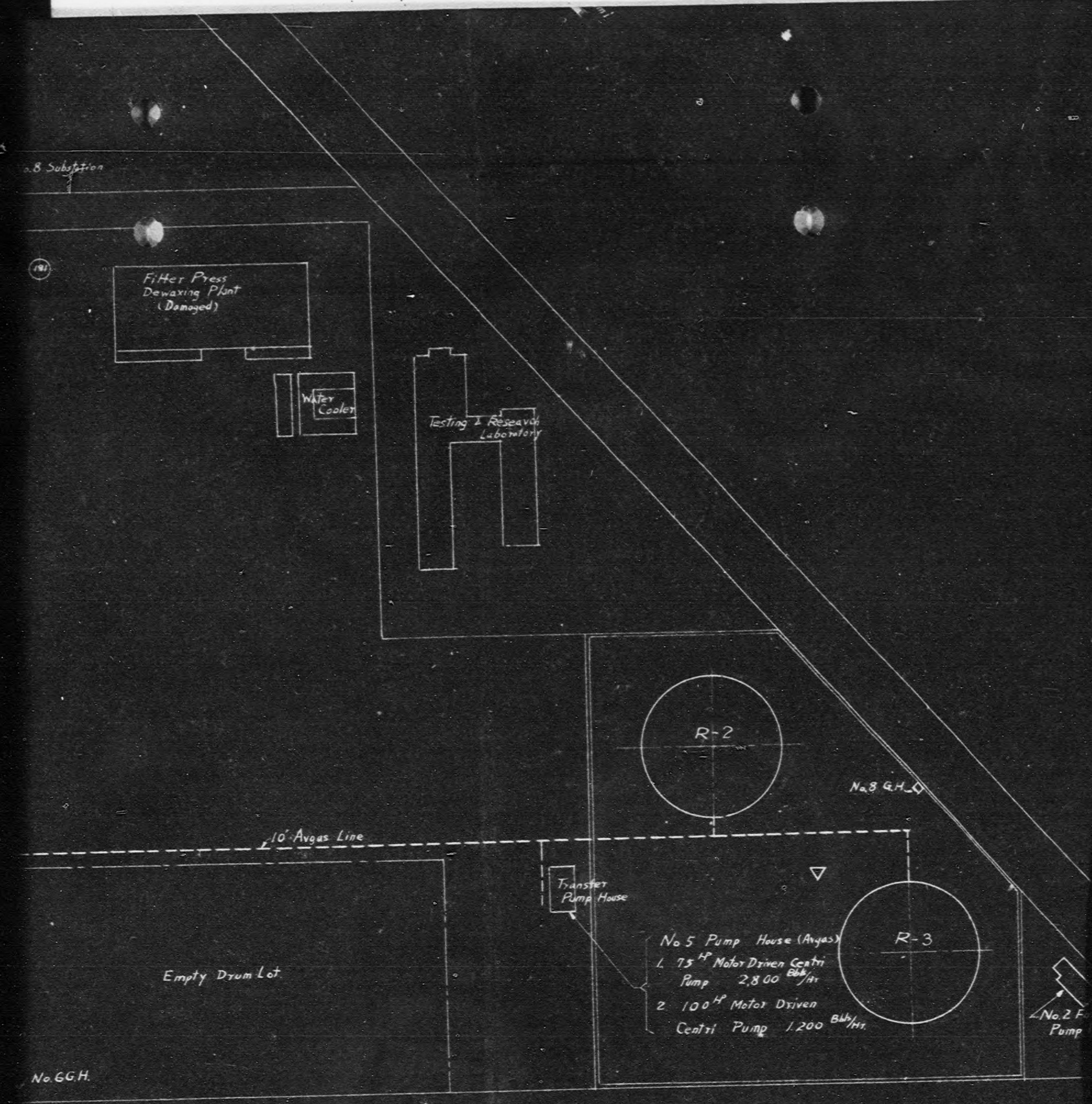
DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013



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



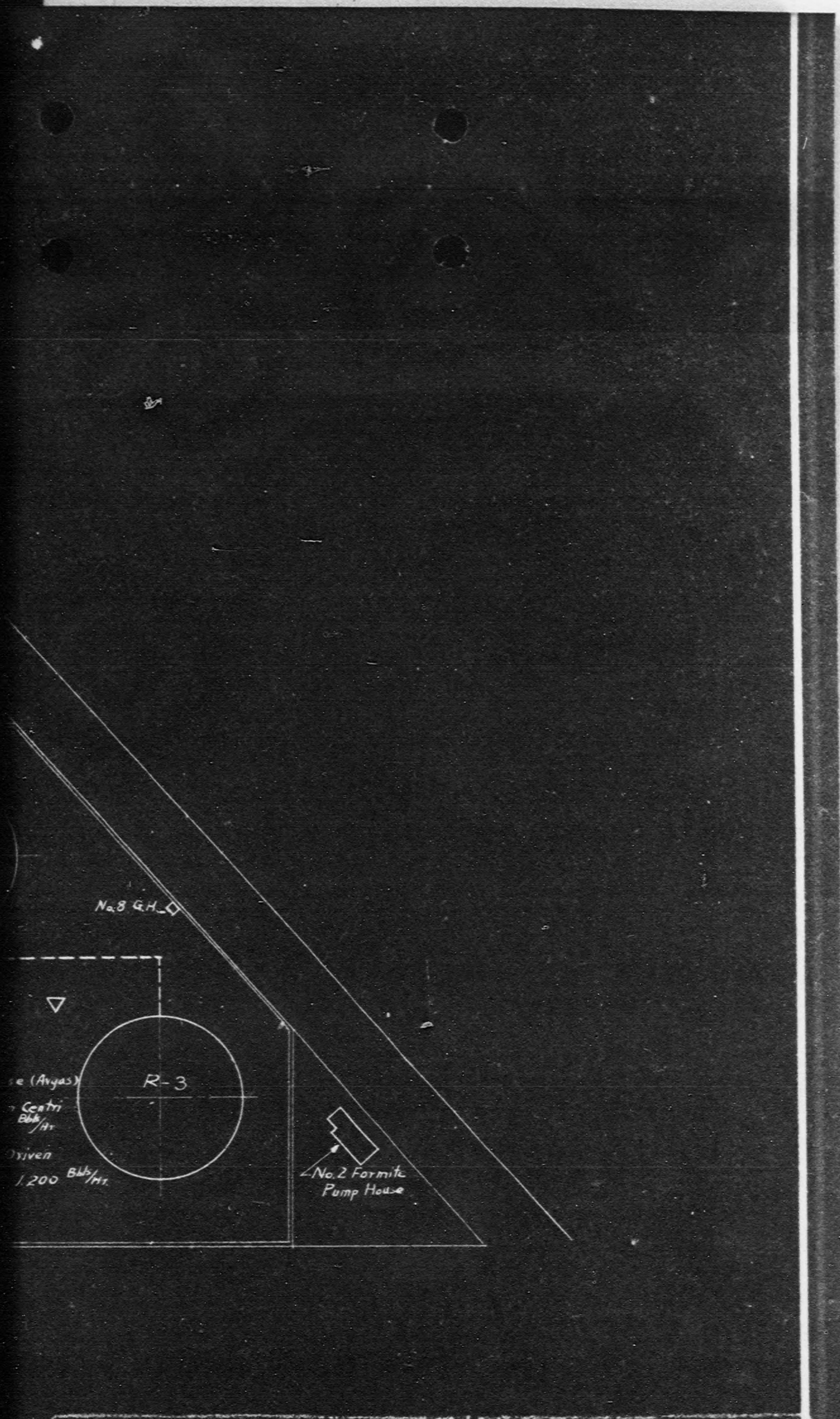
DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013



MITSUBISHI
KAWASAKI

DR.	ALD
TR.	DWG.
CH	

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



MITSUBISHI OIL CO. LTD.,
KAWASAKI JAPAN

D.R.		SCALE 1"=100'	DATE Jan. 24. 1950
T.R.	DWG. NO. M.O.		
CH			