



METROPOLITAN
WATER WORKS
AUTHORITY

โครงการประปาระบบอิสระ

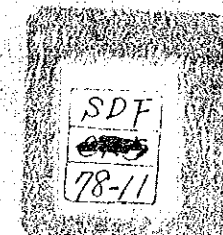
FEASIBILITY STUDY
FOR
THE SEPARATE SYSTEM
OF
METROPOLITAN WATER SUPPLY
IN
BANGKOK, THAILAND

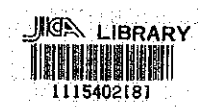
DRAWINGS

JULY, 2521 (1978)

JAPAN INTERNATIONAL COOPERATION AGENCY

22
5/8
SDF









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WATER WORKS
AUTHORITY

โครงการประปาระบบอิสระ

FEASIBILITY STUDY
FOR
THE SEPARATE SYSTEM
OF
METROPOLITAN WATER SUPPLY
IN
BANGKOK, THAILAND

DRAWINGS

JULY. 2521 (1978)

JAPAN INTERNATIONAL COOPERATION AGENCY

C O N T E N T S

SHEET TITLE

NO

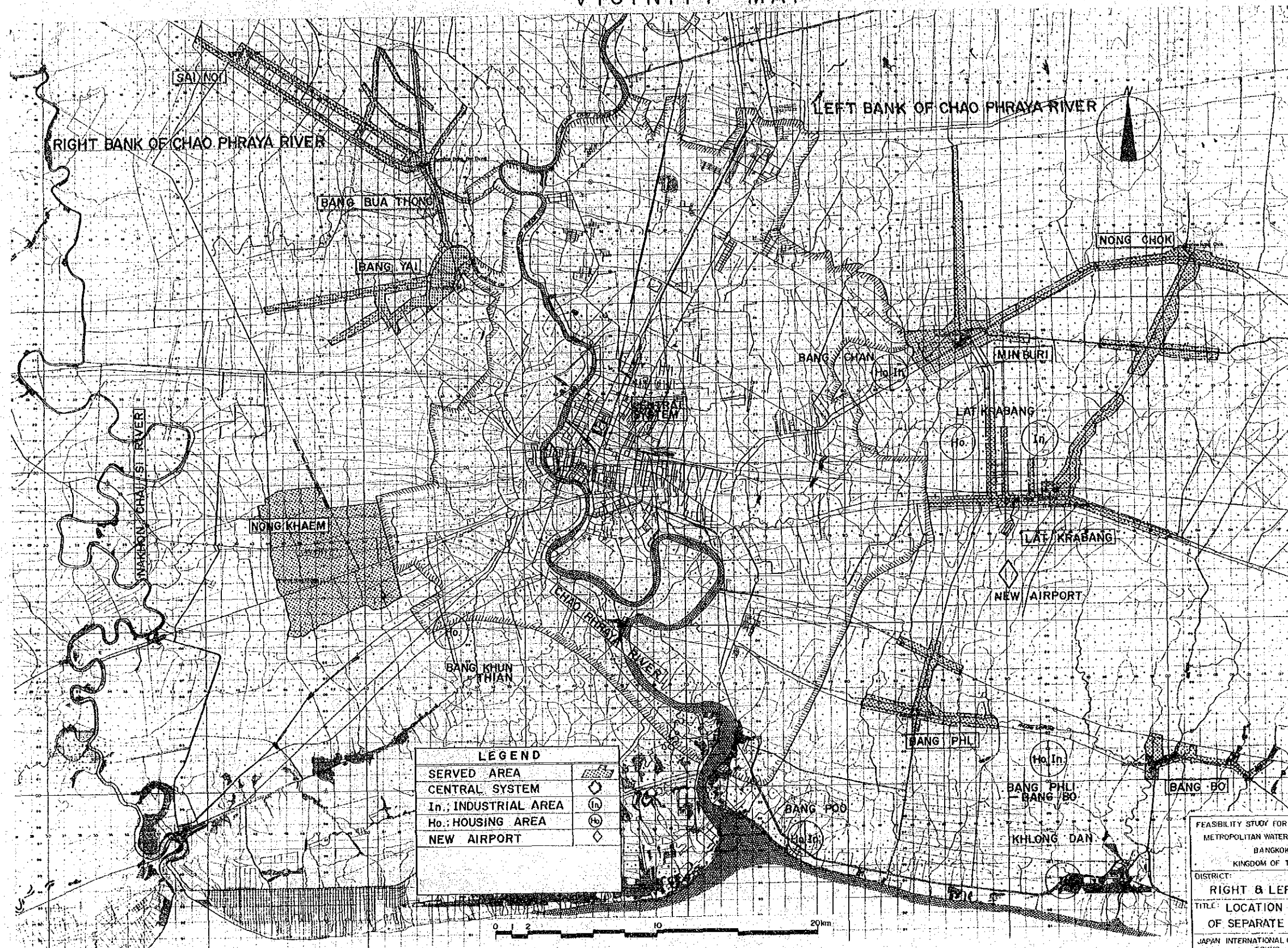
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26	PLAN OF SERVICE RESERVOIR SITE
27	SERVICE RESERVOIR (LAT KRABANG)
28	PUMPING HOUSE (MIN BURI & LAT KRABANG)

SHEET TITLE

NO

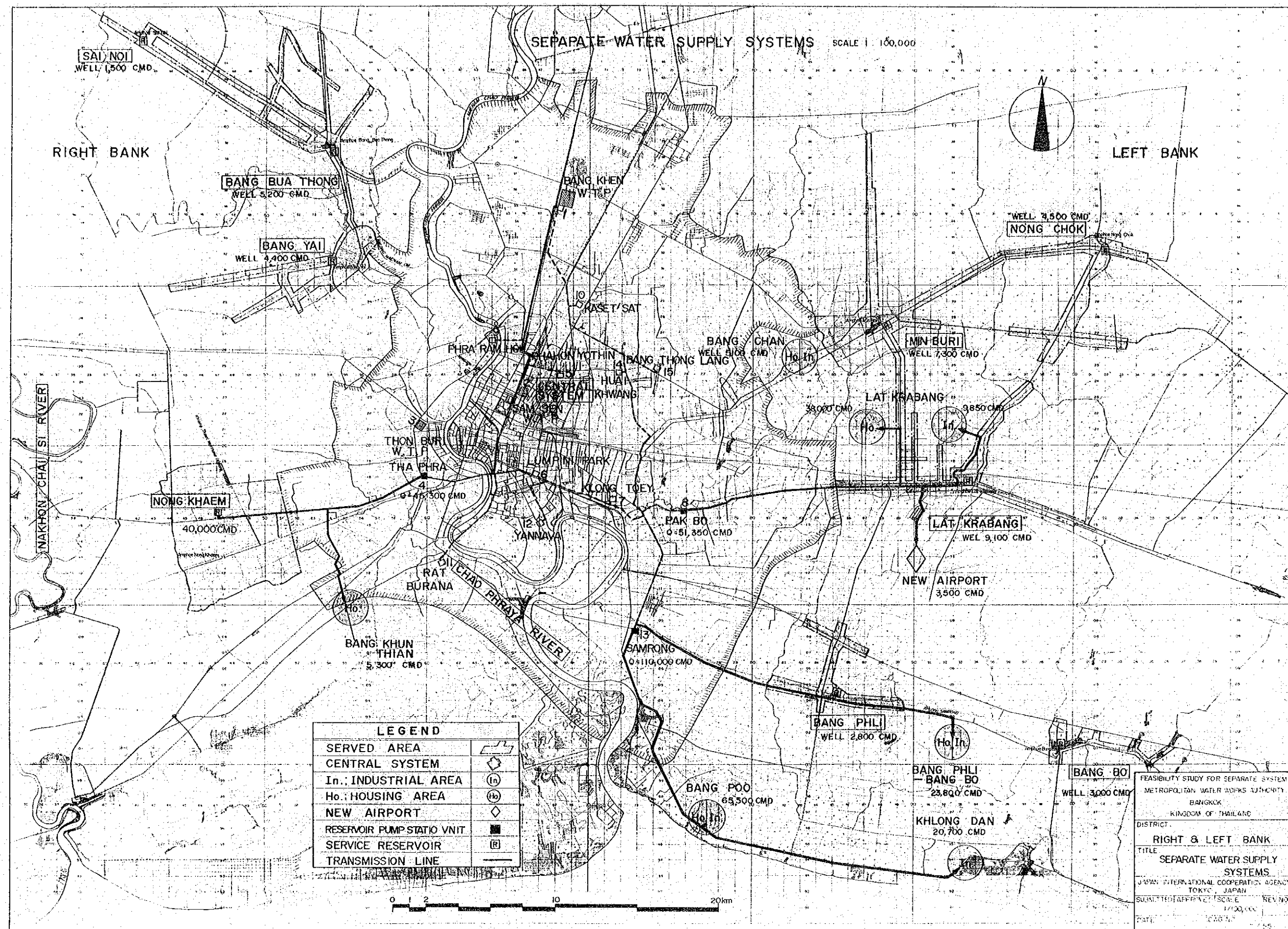
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52	LEFT BANK CASE - 3
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54	LEFT BANK CASE - 5
55	LEFT BANK CASE - 6

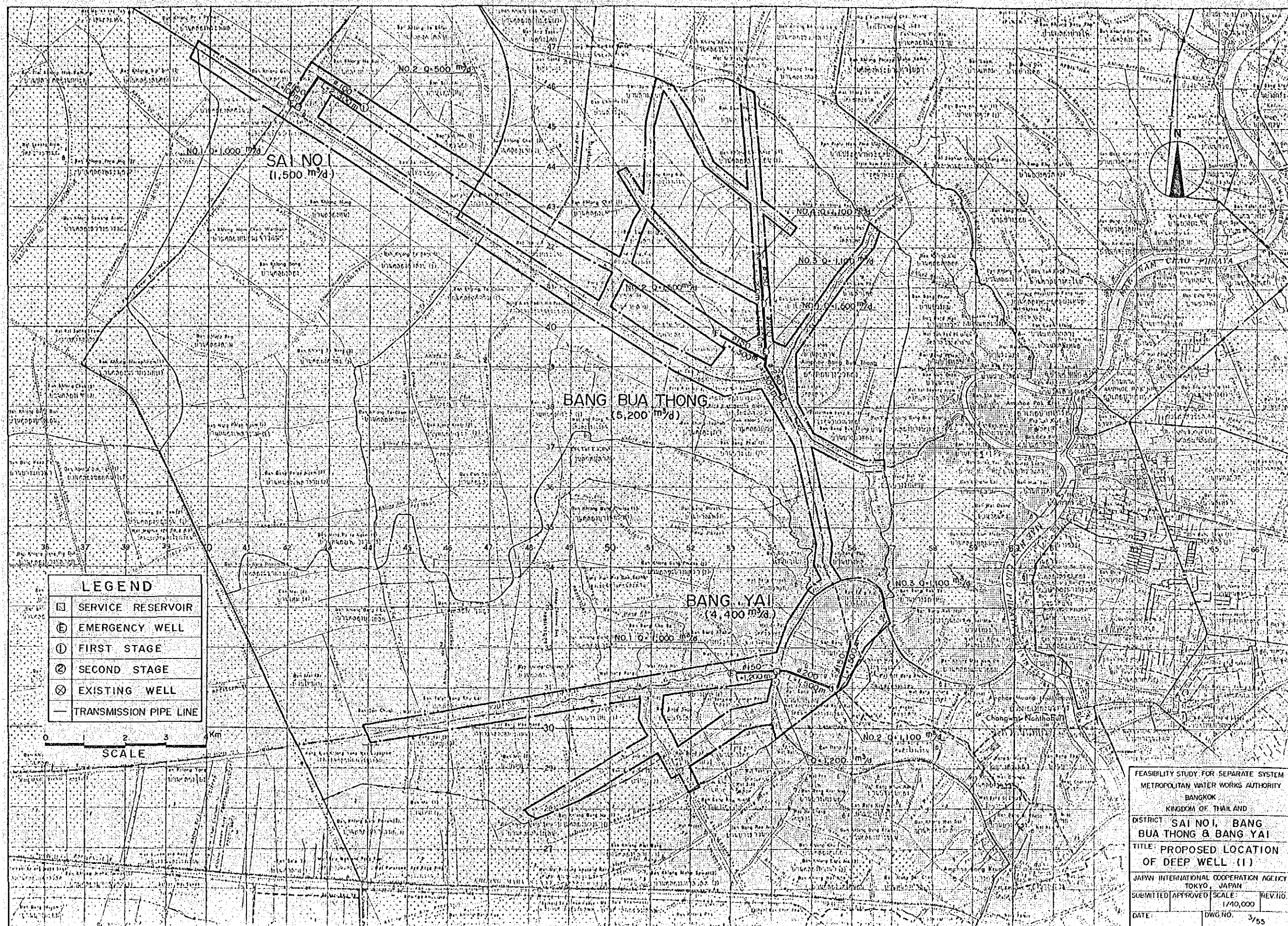
VICINITY MAP

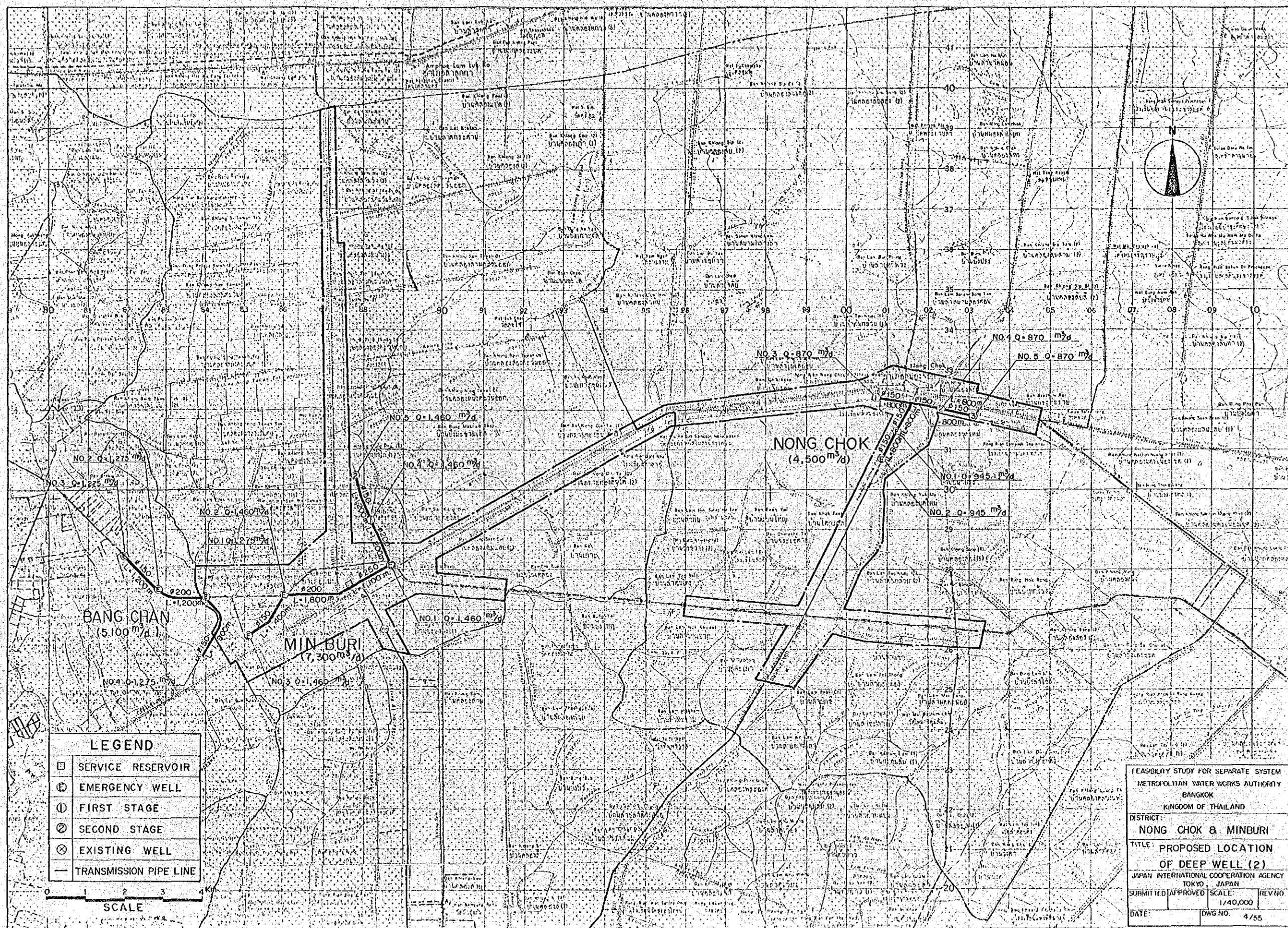


LEGEND	
SERVED AREA	
CENTRAL SYSTEM	
In. INDUSTRIAL AREA	
Ho. HOUSING AREA	
NEW AIRPORT	

FEASIBILITY STUDY FOR SEPARATE SYSTEM	
METROPOLITAN WATER WORKS AUTHORITY	
BANGKOK	
KINGDOM OF THAILAND	
DISTRICT:	
RIGHT & LEFT BANK	
TITLE: LOCATION PLAN	
OF SEPARATE SYSTEM	
JAPAN INTERNATIONAL COOPERATION AGENCY	
TOKYO JAPAN	
SUBMITTED	APPROVED
DATE	DWG. NO. 1/55

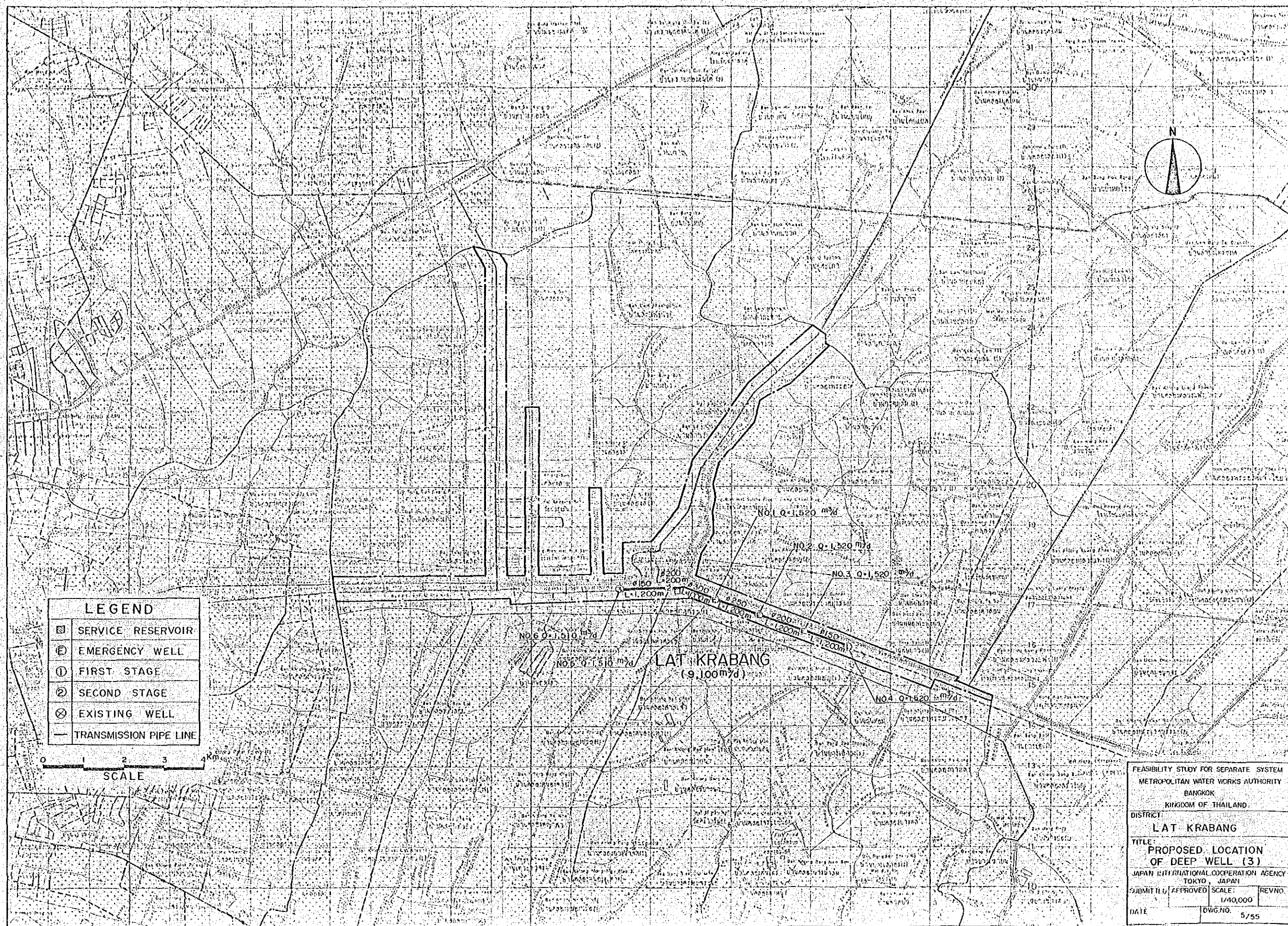


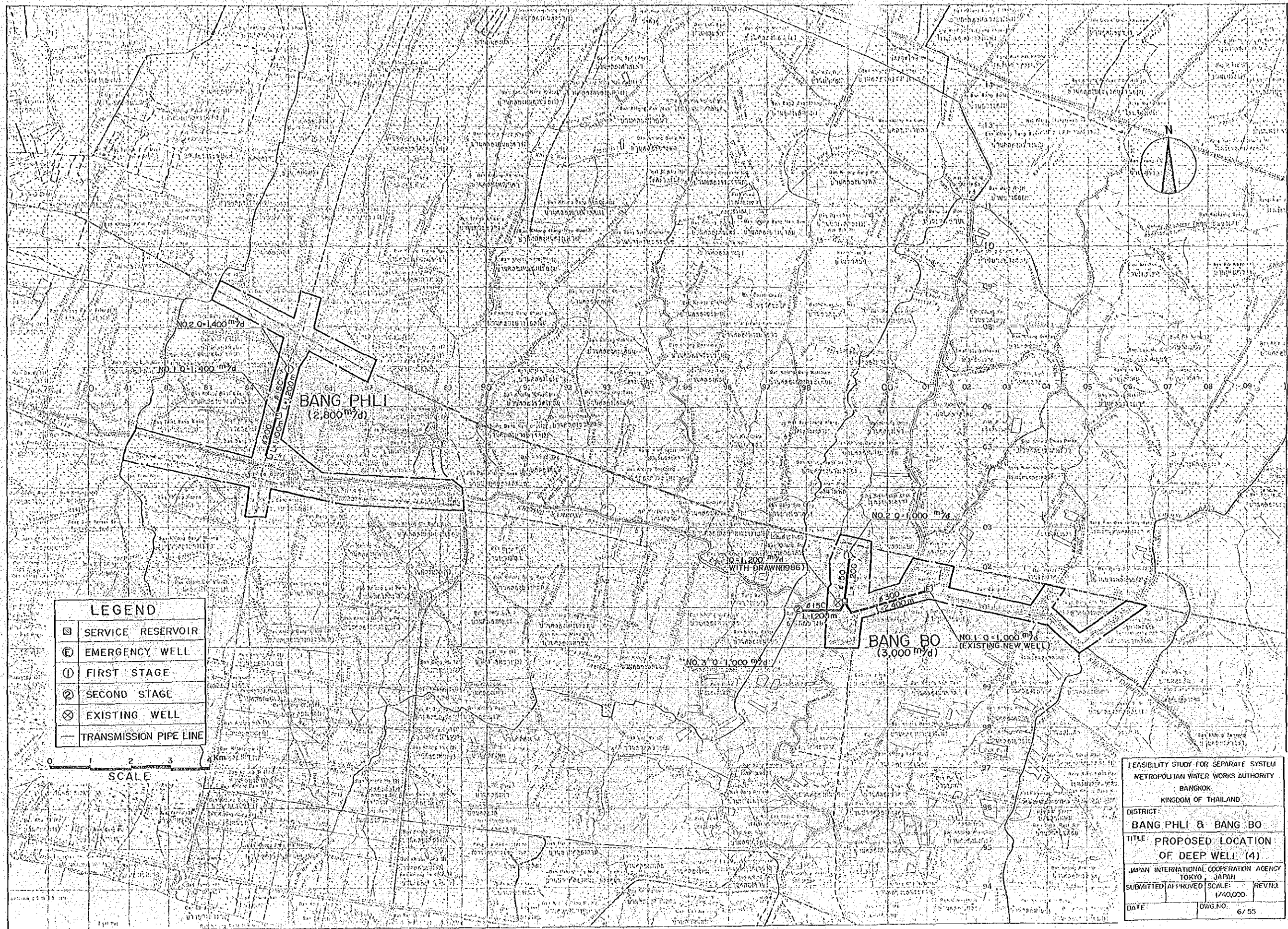




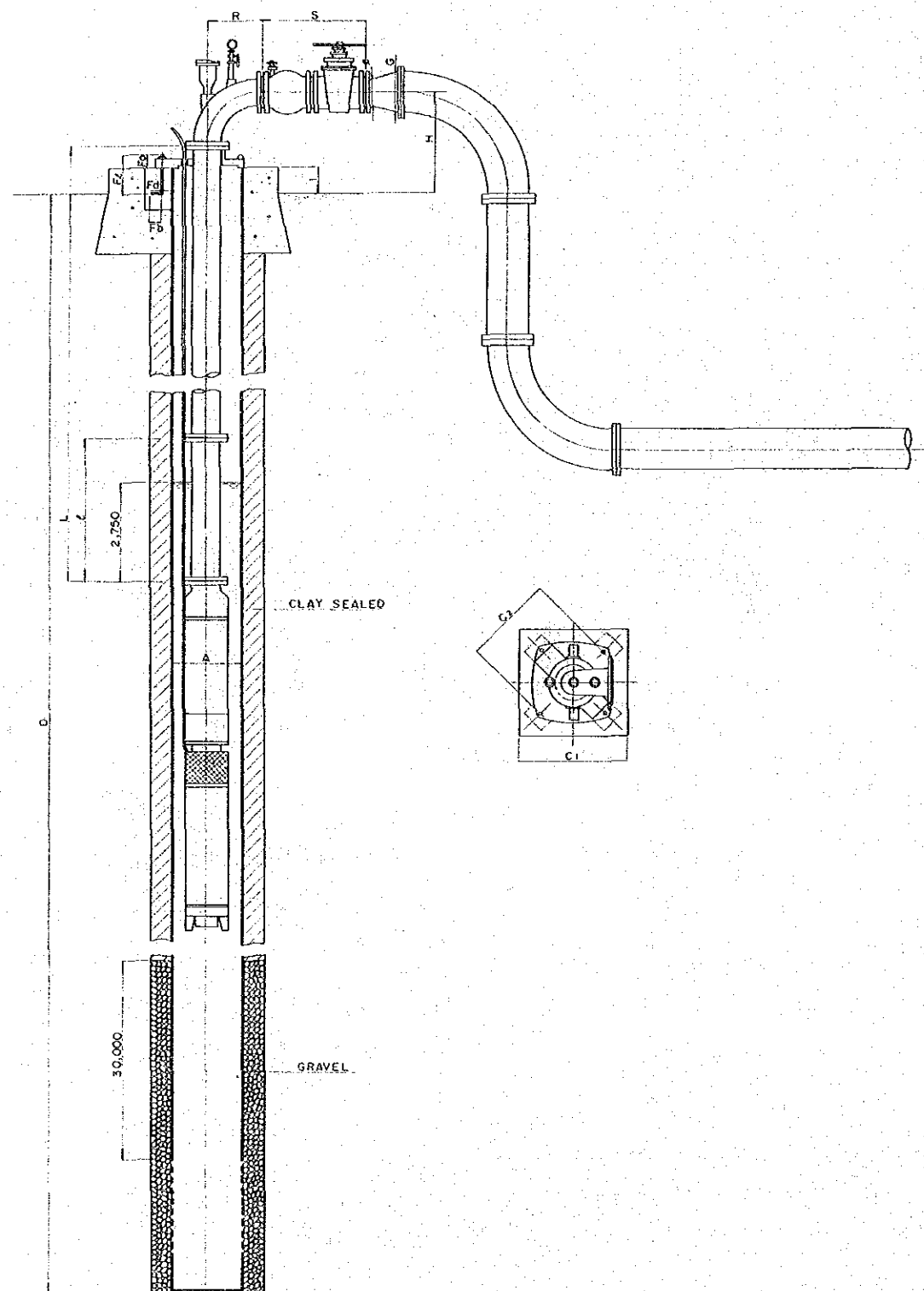
LEGEND	
	SERVICE RESERVOIR
	EMERGENCY WELL
	FIRST STAGE
	SECOND STAGE
	EXISTING WELL
	TRANSMISSION PIPE LINE

FEASIBILITY STUDY FOR SEPARATE SYSTEM		
METROPOLITAN WATER WORKS AUTHORITY		
BANGKOK		
KINGDOM OF THAILAND		
DISTRICT:		
NONG CHOK & MINBURI		
TITLE: PROPOSED LOCATION		
OF DEEP WELL (2)		
JAPAN INTERNATIONAL COOPERATION AGENCY		
TOKYO, JAPAN		
SUBMITTED	APPROVED	SCALE: 1/40,000
DATE:	DWG NO. 4/55	REV NO.





FEASIBILITY STUDY FOR SEPARATE SYSTEM		
METROPOLITAN WATER WORKS AUTHORITY		
BANGKOK		
KINGDOM OF THAILAND		
DISTRICT		
BANG PHLI & BANG BO		
TITLE: PROPOSED LOCATION		
OF DEEP WELL (4)		
JAPAN INTERNATIONAL COOPERATION AGENCY		
TOKYO, JAPAN		
SUBMITTED	APPROVED	SCALE
1/40,000	1/40,000	REV. NO.
DATE	OWG. NO.	6/55

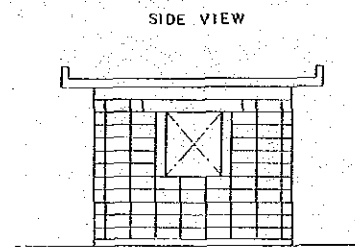
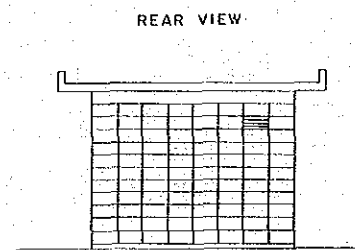
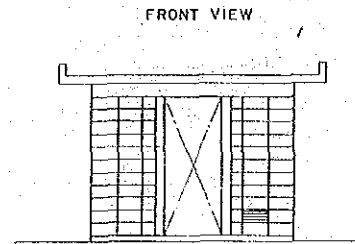
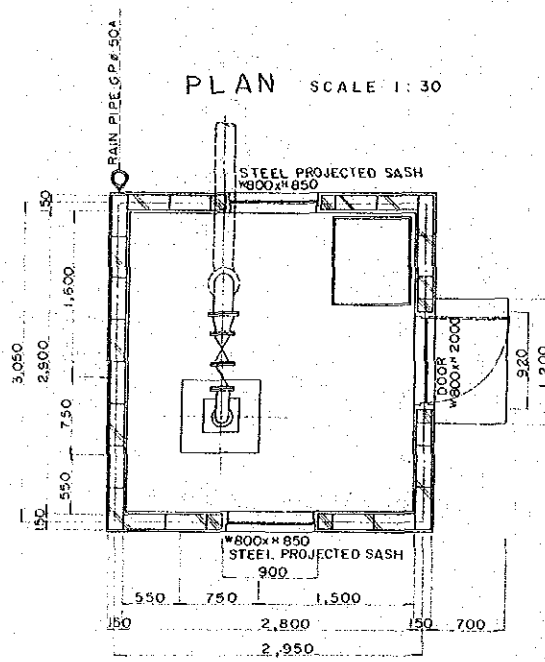


DISCUSSION	AMPHOE	WELL		PUMP					PIPING	
		DIAMETER	DEPTH	DELIVERY	QUANTITY	HEAD	STAGE	POWER	REDUCER	DISCHARGE
		A	D	PIPE	Q	H	N	P	Ø x G	PC - L
		mm	m	mm	m ³ /min	m	-	KW	mm x mm	PC - m
	SAI NOI									
	N01-E	250	200	100	0.84	33	3	11	100x150	13-33
	N02-1st	200	200	80	0.42	56	4	7.5	80x100	12-30
	BANG BUA THONG									
	1-E	300	250	125	1.25	49	2	19	125x150	14-36
	2-E	300	250	125	1.25	59	3	22	125x150	14-36
	3-1st	250	250	100	0.92	59	5	15	100x150	14-36
	4-2nd	250	250	100	0.92	66	6	19	100x150	14-36
	BANG YAI									
	1-E	250	200	100	0.84	44	4	15	100x150	14-36
	2-1st	250	200	100	0.92	52	4	15	100x150	15-39
	3-2nd	250	200	100	0.92	61	5	15	100x150	15-39
	NONG CHOK									
	1-E	250	200	100	0.79	58	5	15	100x150	16-42
	2-E	250	200	100	0.79	62	5	15	100x150	16-42
	3-1st	250	200	100	0.73	46	3	11	100x150	16-42
	4-2nd	250	200	100	0.73	54	4	15	100x150	16-42
	5-3rd	250	200	100	0.73	56	4	15	100x150	15-39
	MIN BURI									
	1-E	300	200	125	1.22	63	3	22	125x150	19-48
	2-E	300	200	125	1.22	75	3	30	125x150	21-54
	3-E	300	200	125	1.22	94	4	37	125x150	21-54
	4-1st	300	200	125	1.22	77	3	30	125x150	20-51
	5-2nd	300	200	125	1.22	91	4	37	125x150	19-48
	LAT KRABANG									
	1-E	300	200	125	1.27	60	3	22	125x150	21-54
	2-E	300	200	125	1.27	69	3	26	125x150	21-54
	3-E	300	200	125	1.27	81	4	30	125x150	20-51
	4-1st	300	200	125	1.27	94	4	37	125x150	20-51
	5-2nd	300	200	125	1.26	57	3	19	125x150	21-54
	6-3rd	300	200	125	1.26	72	3	30	125x150	21-54
	BANG PHU									
	1-E	300	250	125	1.17	57	2	22	125x150	19-48
	2-1st	300	250	125	1.17	71	3	26	125x150	19-48
	BANG BO									
	1-1st	250	200	100	0.84	45	4	15	100x150	15-39
	2-2nd	250	200	100	0.84	45	4	15	100x150	15-39
	BANG CHAN									
	1-E	300	200	125	1.07	64	6	19	100x150	21-54
	2-E	300	200	125	1.07	73	7	22	100x150	21-54
	3-E	300	200	125	1.07	83	8	26	100x150	21-54
	4-E	300	200	125	1.07	81	8	26	100x150	21-54

X Discharge pipe Unit length 2.65m/pc

Unit: mm										
Ø	C1	C2	Fd	Fz	Fb	H	I	R	S	
80	400	320	M10	125	45	40	328	80	140	365
100	400	320	M10	125	45	40	348	80	180	460
125	460	380	M12	160	55	50	415	100	215	505

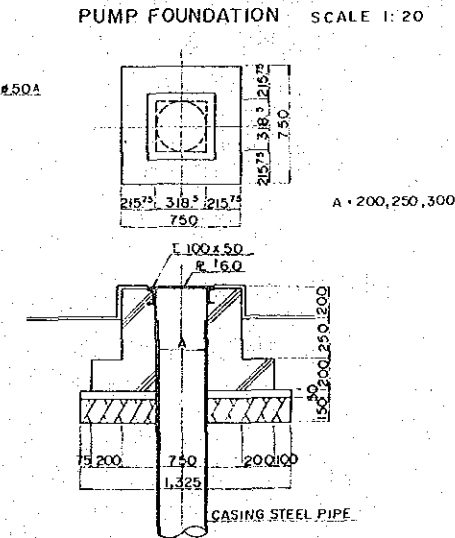
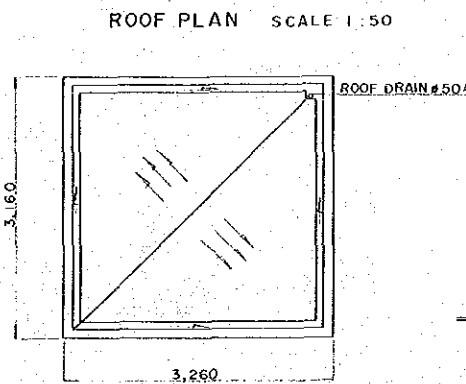
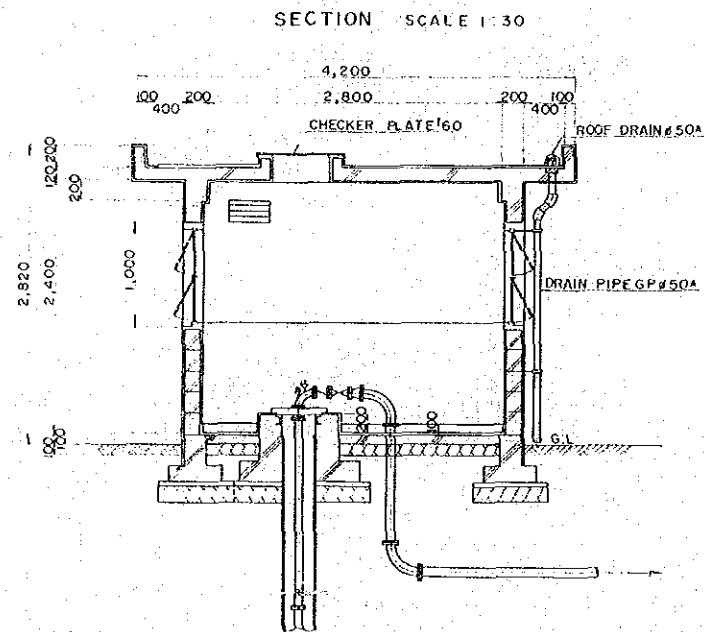
FEASIBILITY STUDY FOR SEPARATE SYSTEM	
METROPOLITAN WATER WORKS AUTHORITY	
BANGKOK	
KINGDOM OF THAILAND	
DISTRICT	
RIGHT & LEFT BANK	
TITLE: TYPICAL DETAILS OF DEEP WELL	
JAPAN INTERNATIONAL COOPERATION AGENCY	
TOKYO JAPAN	
SUBMITTED	APPROVED
SCALE	REV NO
DATE	DWG NO 7/55



Finish Schedule

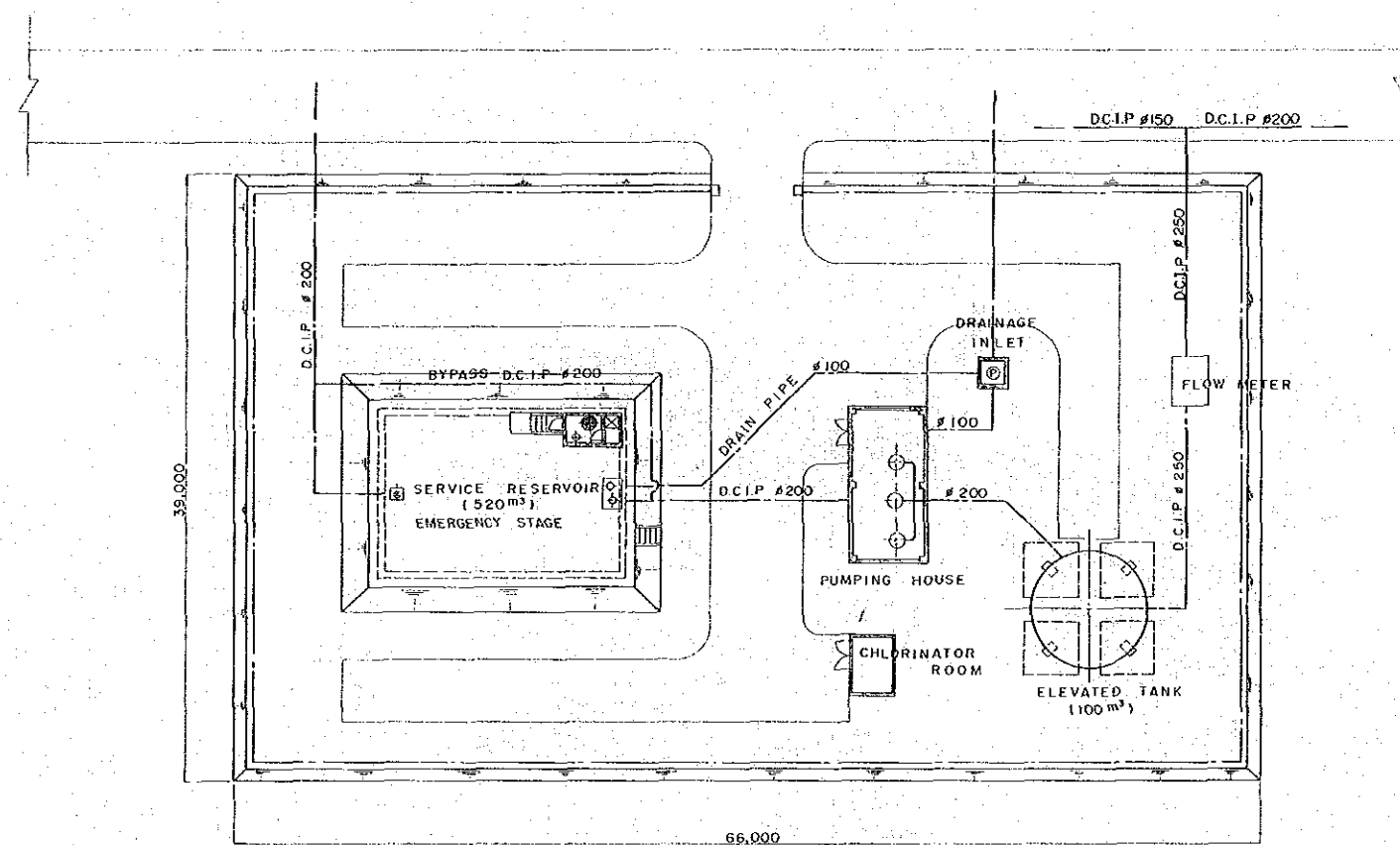
Roof	Waterproof mortar finish
Under eaves	mortar bed, acrylic resin spray
External wall	mortar bed, acrylic resin spray
Ceiling	mortar bed, plaster spray
Internal wall	mortar bed, plaster spray
Skirting panel	mortar bed vinyl paint coat
Plinth	mortar finish
Floor	mortar finish
Ventilating Opening	Steel 400 x 200

BUILDING AREA 9 m²
CONSTRUCTION REINFORCED CONCRETE BLOCK CONSTRUCTION



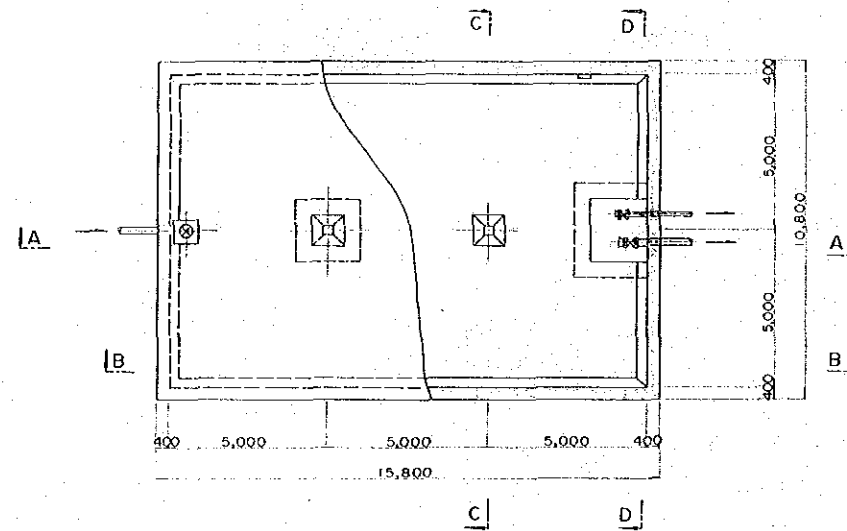
FEASIBILITY STUDY FOR SEPARATE SYSTEM			
METROPOLITAN WATER WORKS AUTHORITY			
BANGKOK			
KINGDOM OF THAILAND			
DISTRICT			
RIGHT & LEFT BANK			
TITLE: DETAILS OF			
DEEP WELL PUMPING ROOM			
JAPAN INTERNATIONAL COOPERATION AGENCY			
TOKYO, JAPAN			
SUBMITTED	APPROVED	SCALE	REV. NO.
DATE		1/30, 1/50	
	DWG. NO.	8/55	

PLAN SCALE 1:200

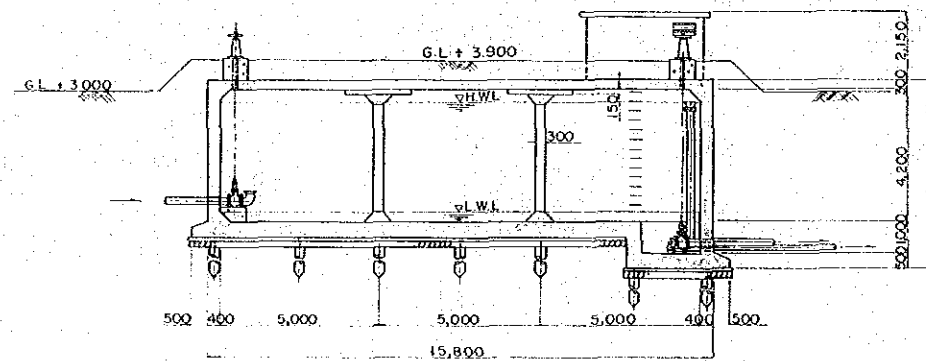


FEASIBILITY STUDY FOR SEPARATE SYSTEM			
METROPOLITAN WATER WORKS AUTHORITY			
BANGKOK			
KINGDOM OF THAILAND			
DISTRICT:			
SAI NOI			
TITLE: PLAN OF			
SERVICE RESERVOIR SITE			
JAPAN INTERNATIONAL COOPERATION AGENCY			
TOKYO, JAPAN			
SUBMITTED	APPROVED	SCALE	REV. NO
		1/200	
DATE	DWG. NO. 9/55		

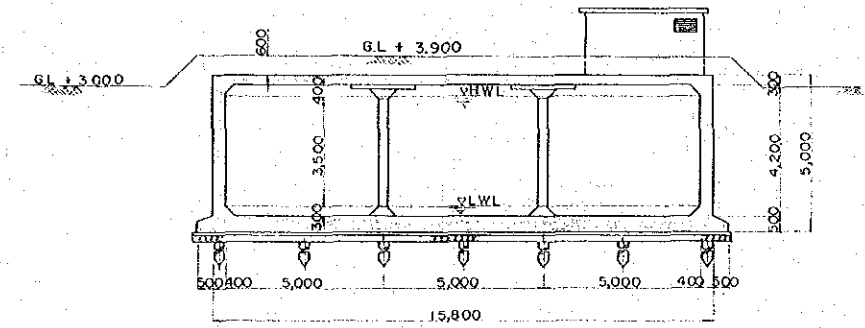
PLAN SCALE 1:100



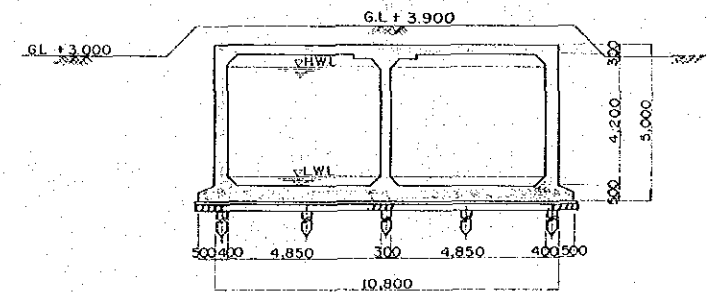
SECTION A-A SCALE 1:100



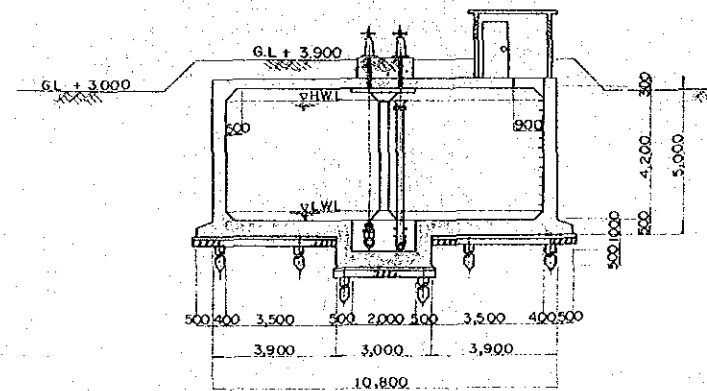
SECTION B-B SCALE 1:100



SECTION C-C SCALE 1:100



SECTION D-D SCALE 1:100



FEASIBILITY STUDY FOR SEPARATE SYSTEM			
METROPOLITAN WATER WORKS AUTHORITY			
BANGKOK			
KINGDOM OF THAILAND			
DISTRICT:			
SAI NOI			
TITLE:			
SERVICE RESERVOIR			
JAPAN INTERNATIONAL COOPERATION AGENCY			
TOKYO, JAPAN			
SUBMITTED	APPROVED	SCALE:	REV. NO.
		1/100	
DATE:	DWG. NO.		
	10/55		

Technical drawing of a rectangular room layout. The overall dimensions are 10,000 (width) by 5,600 (height). The layout includes the following components and dimensions:

- Room Dimensions:** 10,000 (width) by 5,600 (height).
- Equipment and Features:**
 - ELECTRIC PANEL:** Located on the left wall.
 - SHUTTER:** Located on the left wall, below the electric panel.
 - DOOR:** Located at the bottom left, with a width of 2,000.
 - Two Circular Units:** Located in the center of the room, separated by a distance of 2,500.
 - ENGINE WITH BATTERY:** Located on the right side, tilted at an angle.
- Dimensions and Spacing:**
 - 5,000 (distance from left wall to the first circular unit).
 - 5,000 (distance from the second circular unit to the right wall).
 - 2,000 (width of the door).
 - 2,500 (distance between the two circular units).
 - 500 (distance from the top wall to the top of the circular units).
 - 100 (distance from the right wall to the engine).
- Labels:**
 - A** (at the bottom left corner)
 - B** (at the top right corner)

Technical drawing of a ship's hull cross-section, showing the internal structure and various components. The drawing includes dimensions and labels for different parts.

Dimensions (mm):

- Overall width: 5,000
- Overall height: 5,800
- Top section height: 100, 150, 400, 450, 500
- Bottom section height: 550, 350, 500
- Internal width (top): 400, 150
- Internal width (bottom): 450, 4,550, 450

Labels and Components:

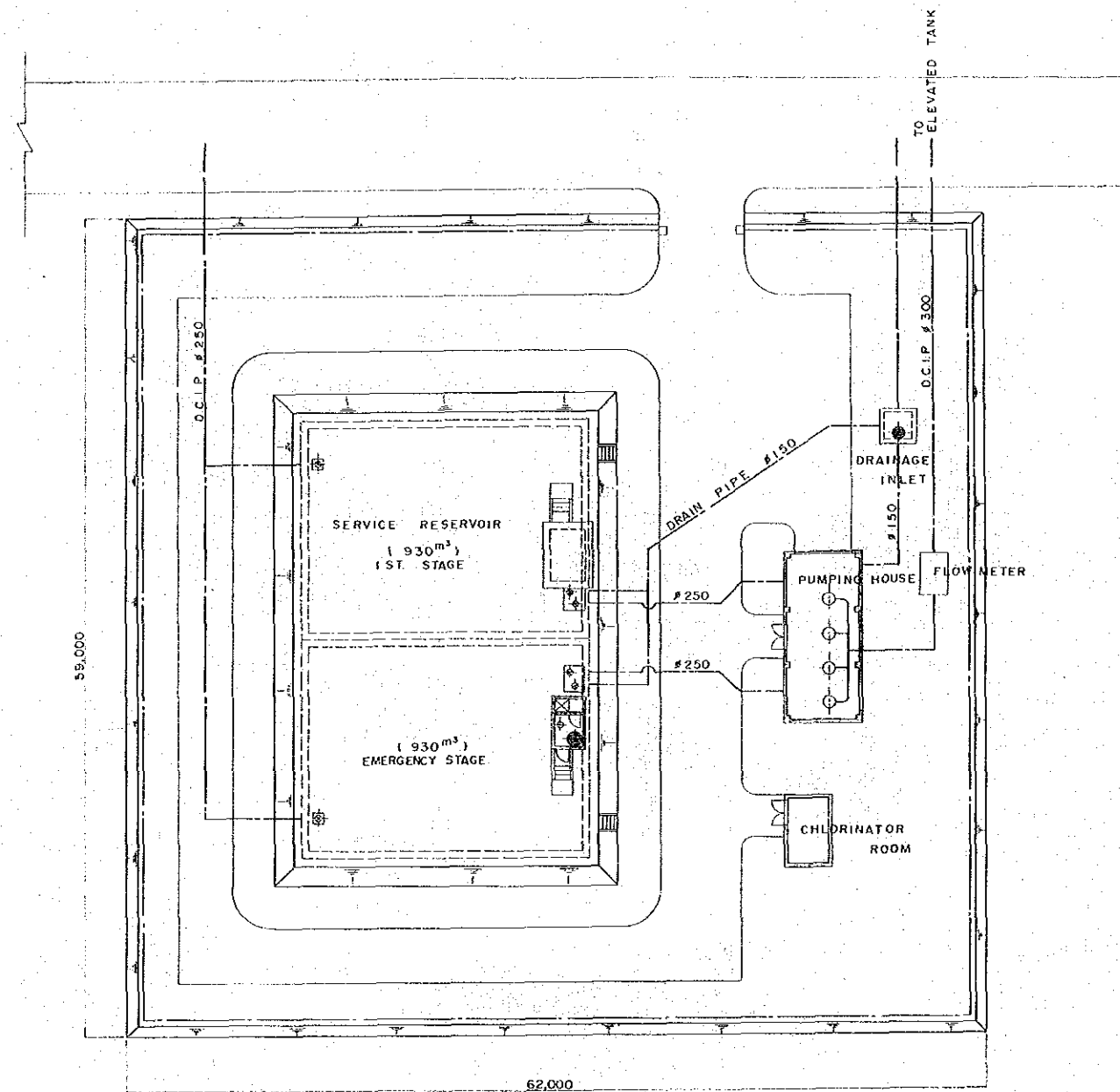
- HOIST CRANE:** Located at the top center of the hull.
- VHL:** Vertical Hull Line, located in the middle section.
- VLWL:** Vertical Water Line, located in the bottom section.
- GL + 3,000:** Ground Level, indicated by a horizontal line on the right side.

[illegible]

FEASIBILITY STUDY FOR SEPARATE SYSTEM METROPOLITAN WATER WORKS AUTHORITY BANGKOK KINGDOM OF THAILAND			
DISTRICT			
SAI NOI			
TITLE			
PUMPING HOUSE			
JAPAN INTERNATIONAL COOPERATION AGENCY TOKYO, JAPAN			
SUBMITTED	APPROVED	SCALE	REVISED
		1/50	
DATE	DWG NO. 11/55		

PLAN

SCALE 1:200



FEASIBILITY STUDY FOR SEPARATE SYSTEM			
METROPOLITAN WATER WORKS AUTHORITY			
BANGKOK			
KINGDOM OF THAILAND			
DISTRICT:			
BANG BUA THONG			
TITLE:			
PLAN OF			
SERVICE RESERVOIR SITE			
JAPAN INTERNATIONAL COOPERATION AGENCY			
TOKYO - JAPAN			
SUBMITTED	APPROVED	SCALE	REVNO
		1/200	
DATE:		DWG. NO. 12/55	