

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

DIRECTORATE GENERAL OF HUMAN SETTLEMENTS
MINISTRY OF PUBLIC WORKS
AND
JAKARTA WATER SUPPLY ENTERPRISE

THE STUDY ON THE REVISE
OF
JAKARTA WATER SUPPLY DEVELOPMENT PROJECT

FINAL REPORT

Volume 5

DRAWINGS

MAY 1997

JICA LIBRARY



J 1135380 (2)

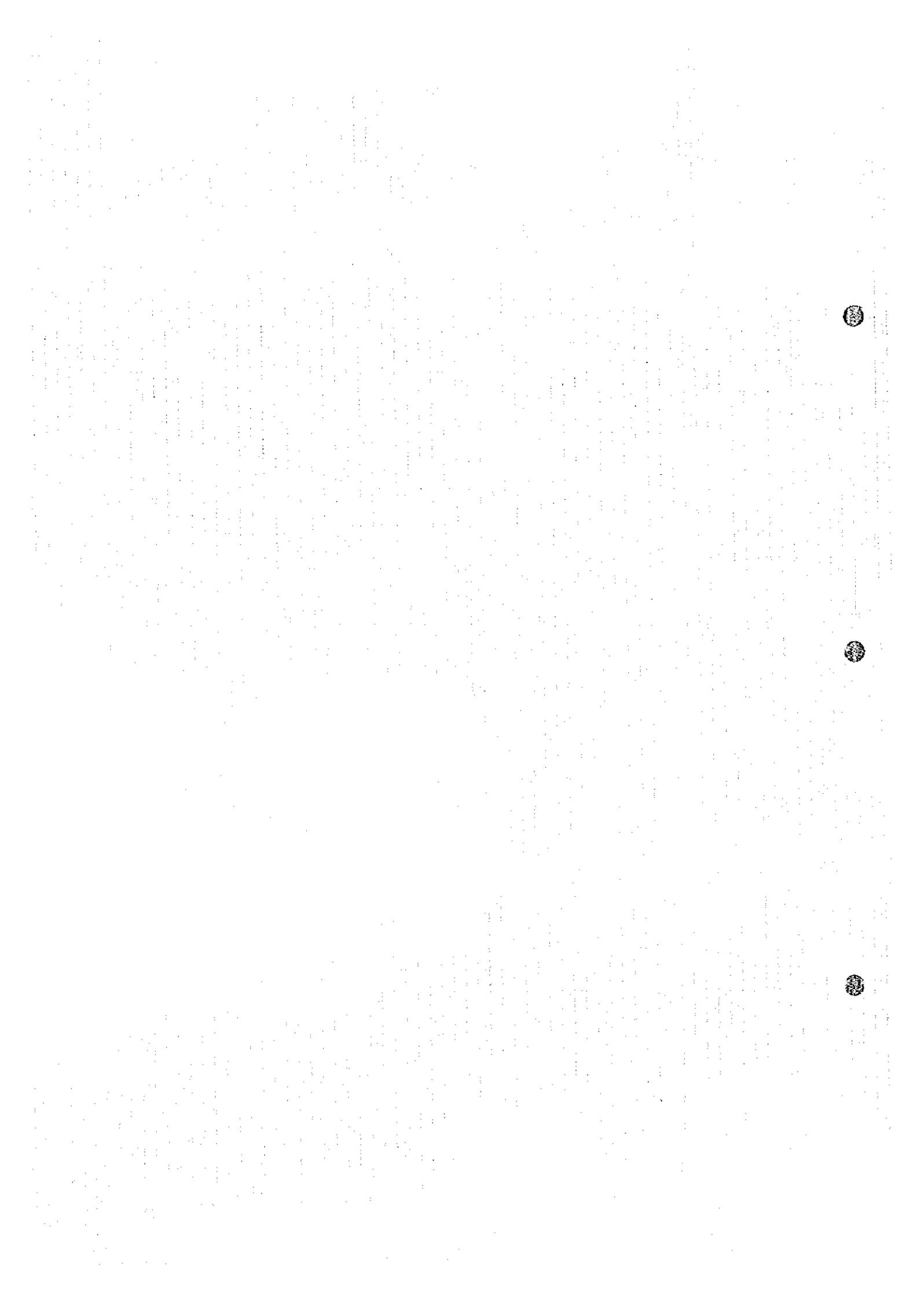
NIHON SUIDO CONSULTANTS CO., LTD.
NIPPON KOEI CO., LTD

SSS

JR

97-074





No.

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

**DIRECTORATE GENERAL OF HUMAN SETTLEMENTS
MINISTRY OF PUBLIC WORKS
AND
JAKARTA WATER SUPPLY ENTERPRISE**

**THE STUDY ON THE REVISE
OF
JAKARTA WATER SUPPLY DEVELOPMENT PROJECT**

FINAL REPORT

Volume 5

DRAWINGS

MAY 1997

**NIHON SUIDO CONSULTANTS CO., LTD.
NIPPON KOEI CO., LTD**

SSS

JR

97-074



1135380 [2]



LIST OF DRAWINGS

GENERAL

- DWG NO. G-1 Location Map of Study Area (1)
DWG NO. G-2 Location Map of Study Area (2)

WATER SUPPLY SYSTEM

- DWG NO. S-1 Proposed Service Area
DWG NO. S-2 Proposed Zoning System of the Study Area
DWG NO. S-3 Proposed Water Supply System in 2005 (Part 1 Program)
DWG NO. S-4 Proposed Water Supply System in 2008 (Part 2 Program)

RAW WATER TRANSMISSION

- DWG NO. R-1 Proposed Location of Raw Water Pump Station
DWG NO. R-2 Proposed Alignment of Raw Water Transmission Pipeline

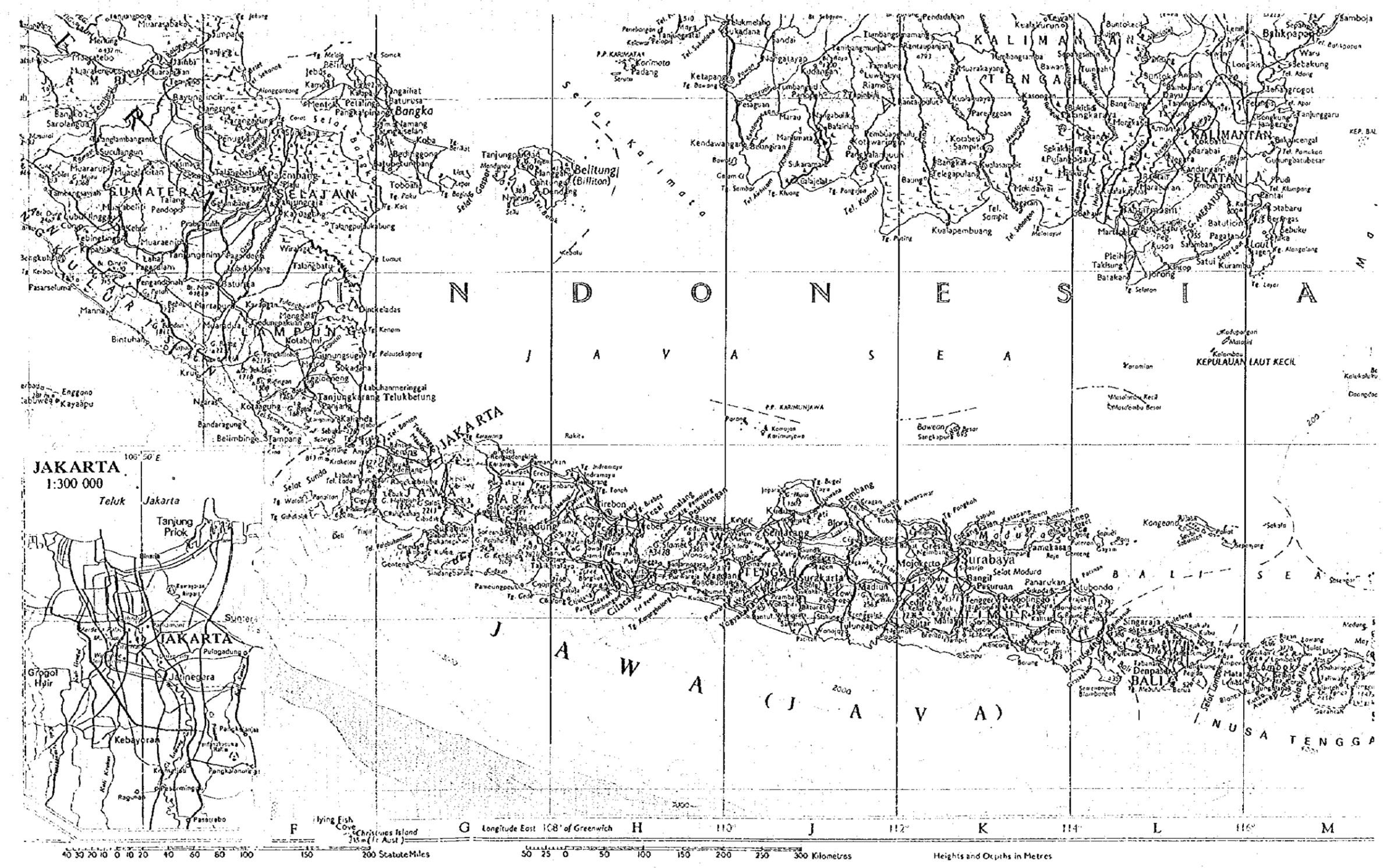
WATER TREATMENT PLANT

- DWG NO. TP-1 Proposed Location of Treatment Plants
DWG NO. TP-2 Proposed Construction Site for Buaran III Treatment Plant
DWG NO. TP-3 General Layout of Buaran III Treatment Plant
DWG NO. TP-4 Hydraulic Profile of Buaran III Treatment Plant
DWG NO. TP-5 Proposed Construction Site for Cipayung Treatment Plant
DWG NO. TP-6 General Layout of Cipayung Treatment Plant
DWG NO. TP-7 Hydraulic Profile of Cipayung Treatment Plant

WATER TRANSMISSION AND DISTRIBUTION SYSTEM

- DWG NO. TD-1 Plan of Proposed Treated Water Transmission Pipe Route
From DC-R1 to DC-R6 (Part 1 Program)

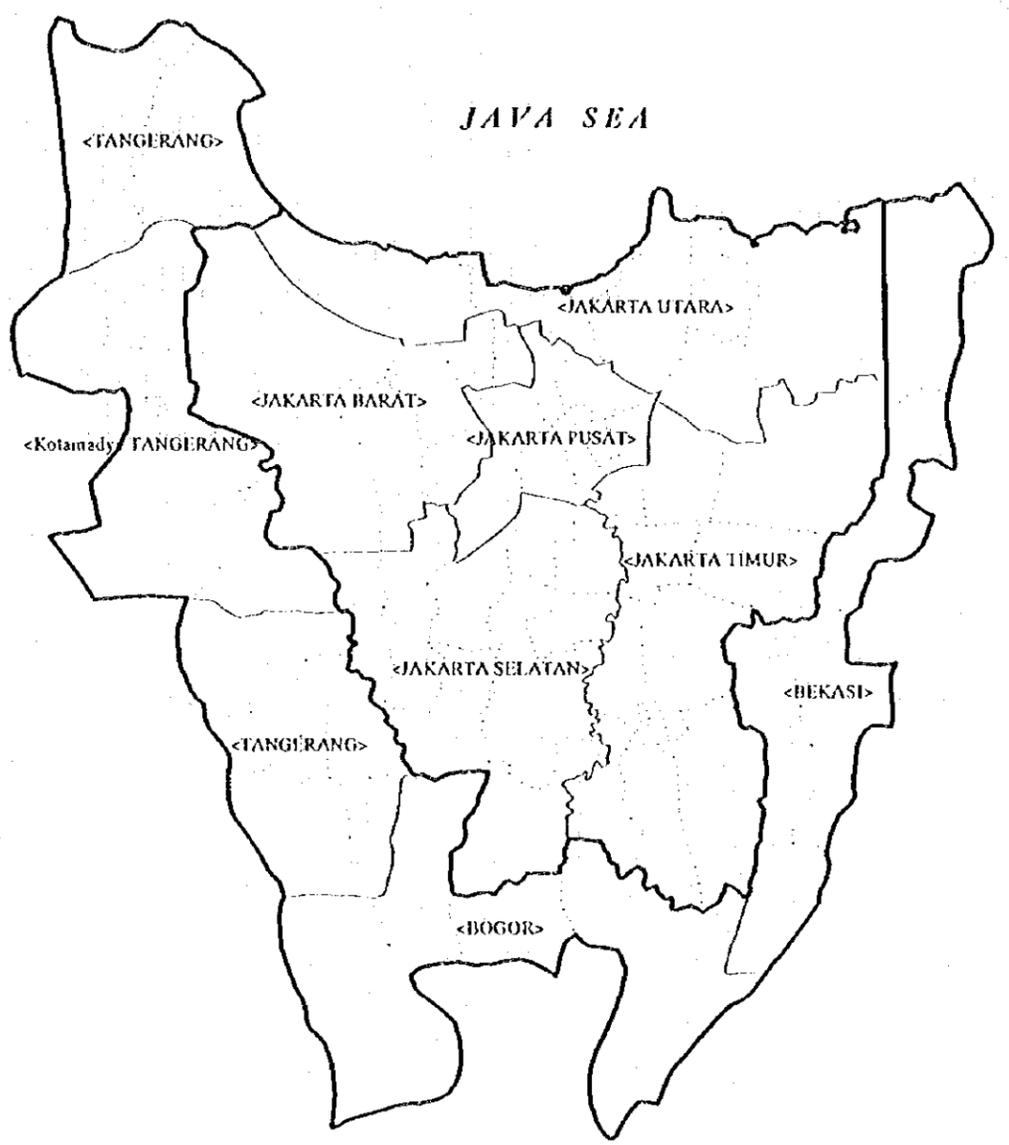
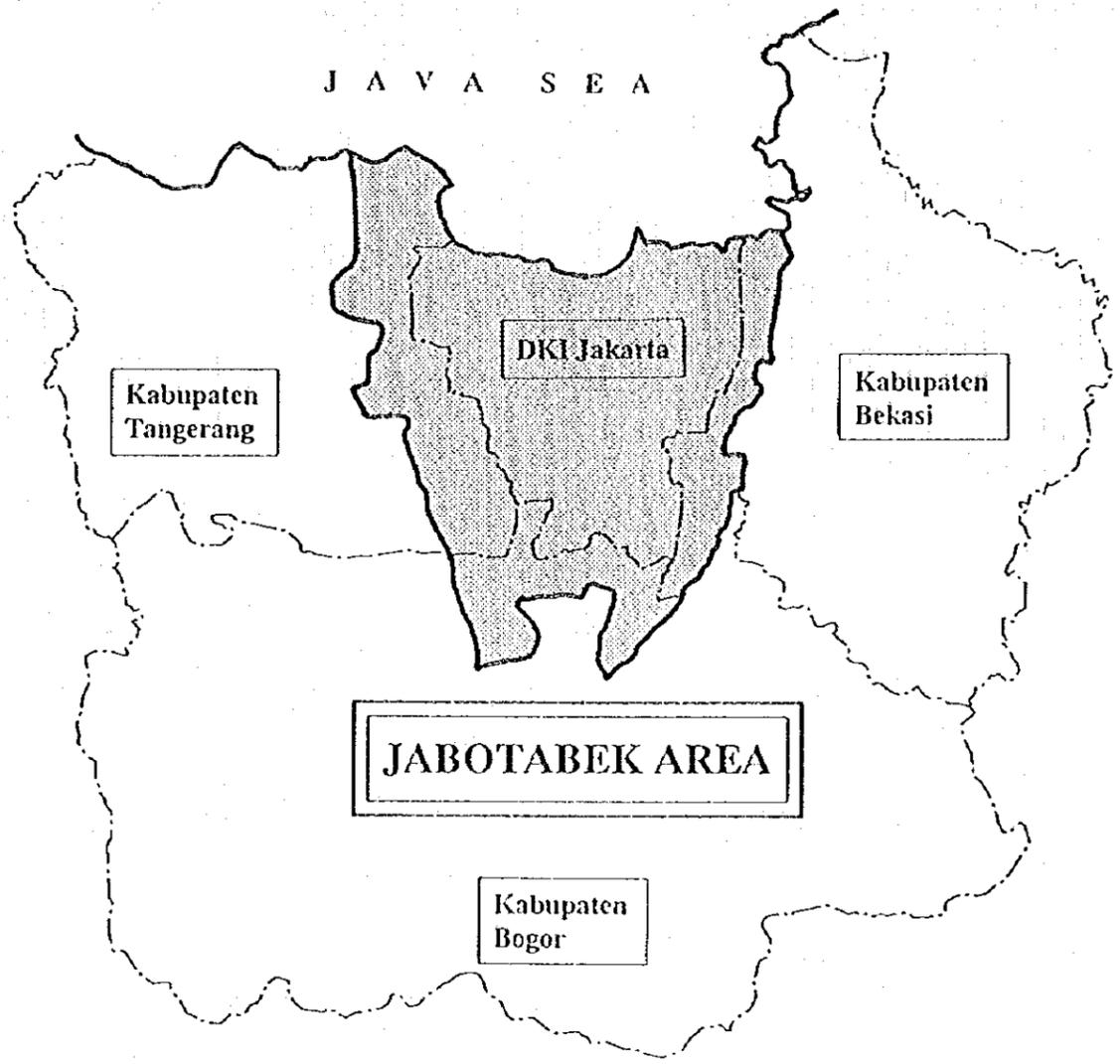
DWG NO.	TD-2	Plan of Proposed Treated Water Transmission Pipe Route From Cipayung Treatment Plant to DC-R5 to DC-R4 (Part 2 Program)
DWG NO.	TD-3	General Layout of Distribution Center R1 (Part 1 Program)
DWG NO.	TD-4	General Layout of Distribution Center R6 (Part 1 Program)
DWG NO.	TD-5	General Layout of Distribution Center R4 (Part 2 Program)
DWG NO.	TD-6	General Layout of Distribution Center R5 (Part 2 Program)
DWG NO.	TD-7	Proposed Primary Distribution System as of Part 1 Program Category of Diameter in Existing and Proposed Pipeline
DWG NO.	TD-8	Proposed Primary Distribution Pipelines as of Part 1 Program
DWG NO.	TD-9	Proposed Primary Distribution System as of Part 2 Program Category of Diameter in Existing and Proposed Pipeline
DWG NO.	TD-10	Proposed Primary Distribution Pipelines as of Part 2 Program
DWG NO.	TD-11	Proposed Primary Distribution System for Zone 1 (Part 1)
DWG NO.	TD-12	Proposed Primary Distribution Pipelines for Zone 1 (Part 1)
DWG NO.	TD-13	Proposed Primary Distribution System for Zone 2 and Zone 3 (Part 1)
DWG NO.	TD-14	Proposed Primary Distribution Pipelines for Zone 2 and Zone 3 (Part 1)
DWG NO.	TD-15	Proposed Primary Distribution System for Zone 4 (Part 1)
DWG NO.	TD-16	Proposed Primary Distribution Pipelines for Zone 4 (Part 1)
DWG NO.	TD-17	Proposed Primary Distribution System for Zone 5 and Zone 6 (Part 1)
DWG NO.	TD-18	Proposed Primary Distribution Pipelines for Zone 5 and Zone 6 (Part 1)
DWG NO.	TD-19	Proposed Primary Distribution System for Zone 1 (Part 2)
DWG NO.	TD-20	Proposed Primary Distribution Pipelines for Zone 1 (Part 2)
DWG NO.	TD-21	Proposed Primary Distribution System for Zone 2 and Zone 3 (Part 2)
DWG NO.	TD-22	Proposed Primary Distribution Pipelines for Zone 2 and Zone 3 (Part 2)
DWG NO.	TD-23	Proposed Primary Distribution System for Zone 4 and Zone 7 (Part 2)
DWG NO.	TD-24	Proposed Primary Distribution Pipelines for Zone 4 and Zone 7 (Part 2)
DWG NO.	TD-25	Proposed Primary Distribution System for Zone 5 (Part 2)
DWG NO.	TD-26	Proposed Primary Distribution Pipelines for Zone 5 (Part 2)
DWG NO.	TD-27	Proposed Primary Distribution System for Zone 6 (Part 2)
DWG NO.	TD-28	Proposed Primary Distribution Pipelines for Zone 6 (Part 2)



DIRECTORATE GENERAL OF HUMAN SETTLEMENTS
 MINISTRY OF PUBLIC WORKS
 AND
 JAKARTA WATER SUPPLY ENTERPRISE

THE STUDY ON THE REVISE
 OF
 JAKARTA WATER SUPPLY DEVELOPMENT PROJECT
 JAPAN INTERNATIONAL COOPERATION AGENCY

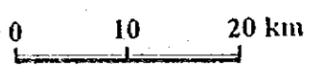
TITLE
 Location Map of Study Area (1)



LEGEND

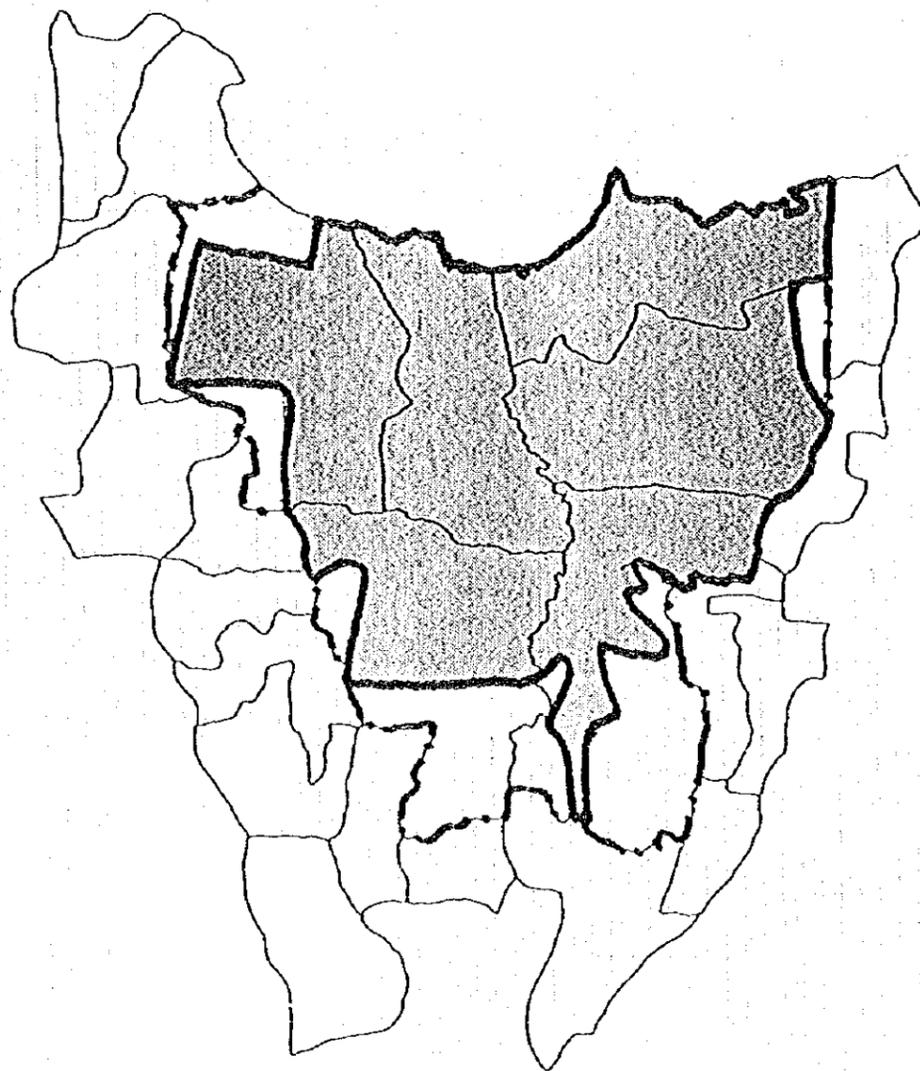
○ : STUDY AREA

--- : BOUNDARY OF KABUPATEN

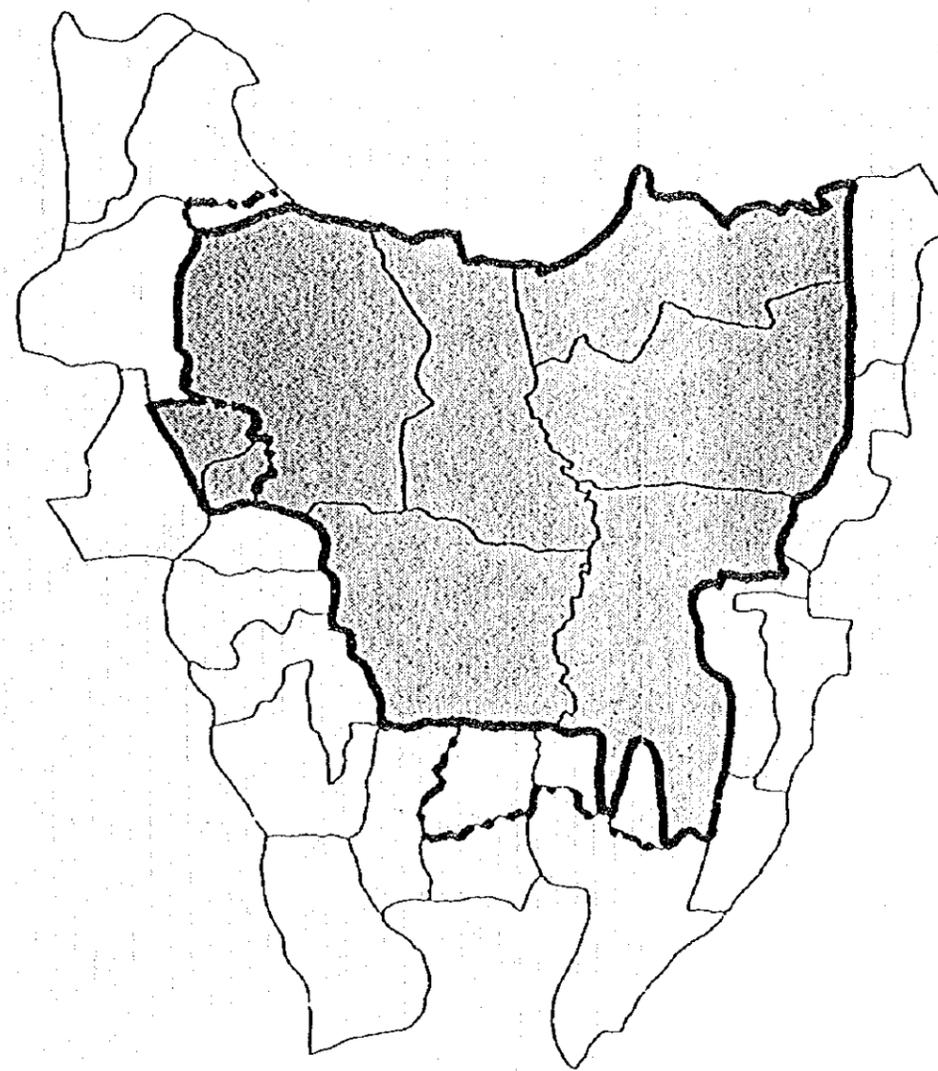


Scale 1 : 300,000

DIRECTORATE GENERAL OF HUMAN SETTLEMENTS MINISTRY OF PUBLIC WORKS AND JAKARTA WATER SUPPLY ENTERPRISE	THE STUDY ON THE REVISE OF JAKARTA WATER SUPPLY DEVELOPMENT PROJECT JAPAN INTERNATIONAL COOPERATION AGENCY	TITLE Location Map of Study Area (2)
--	---	---



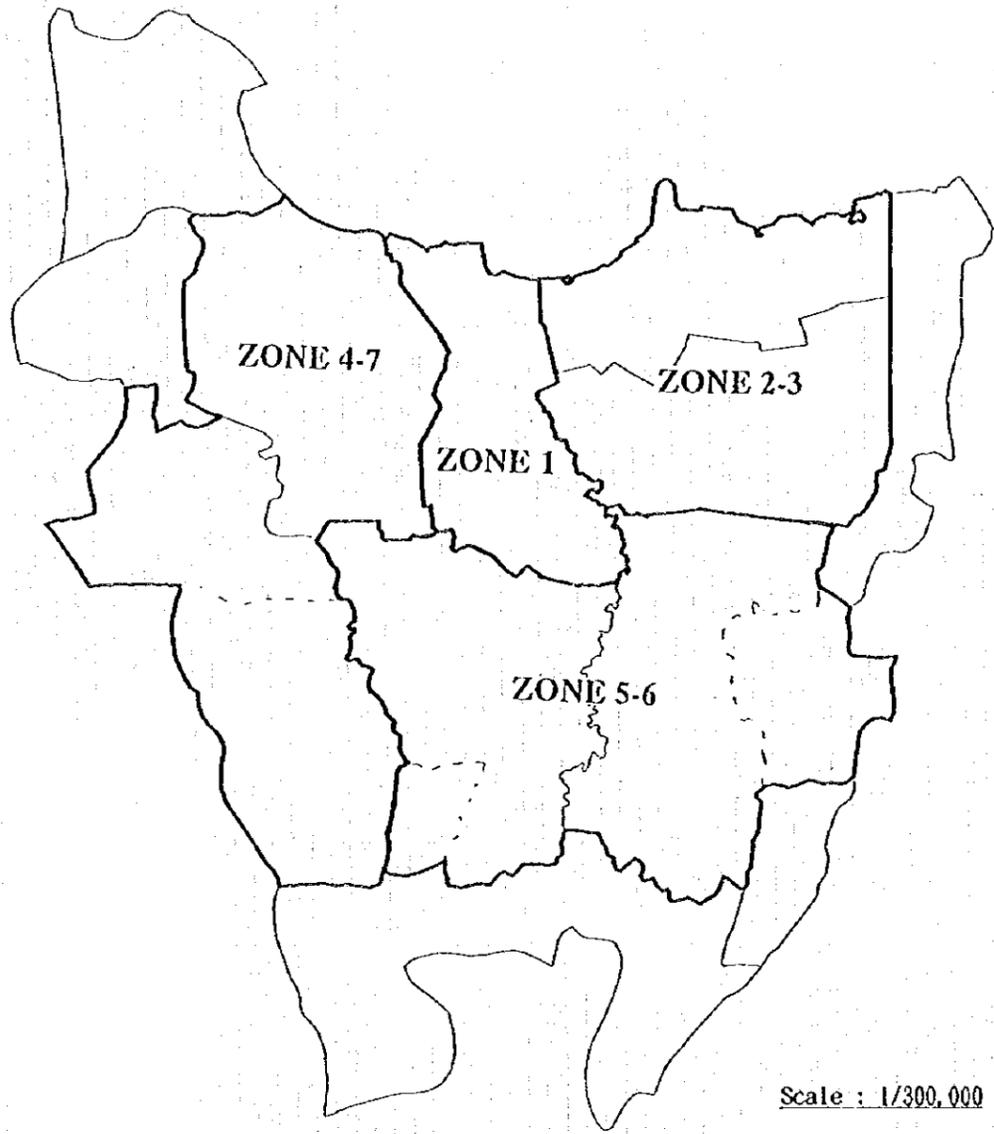
2005



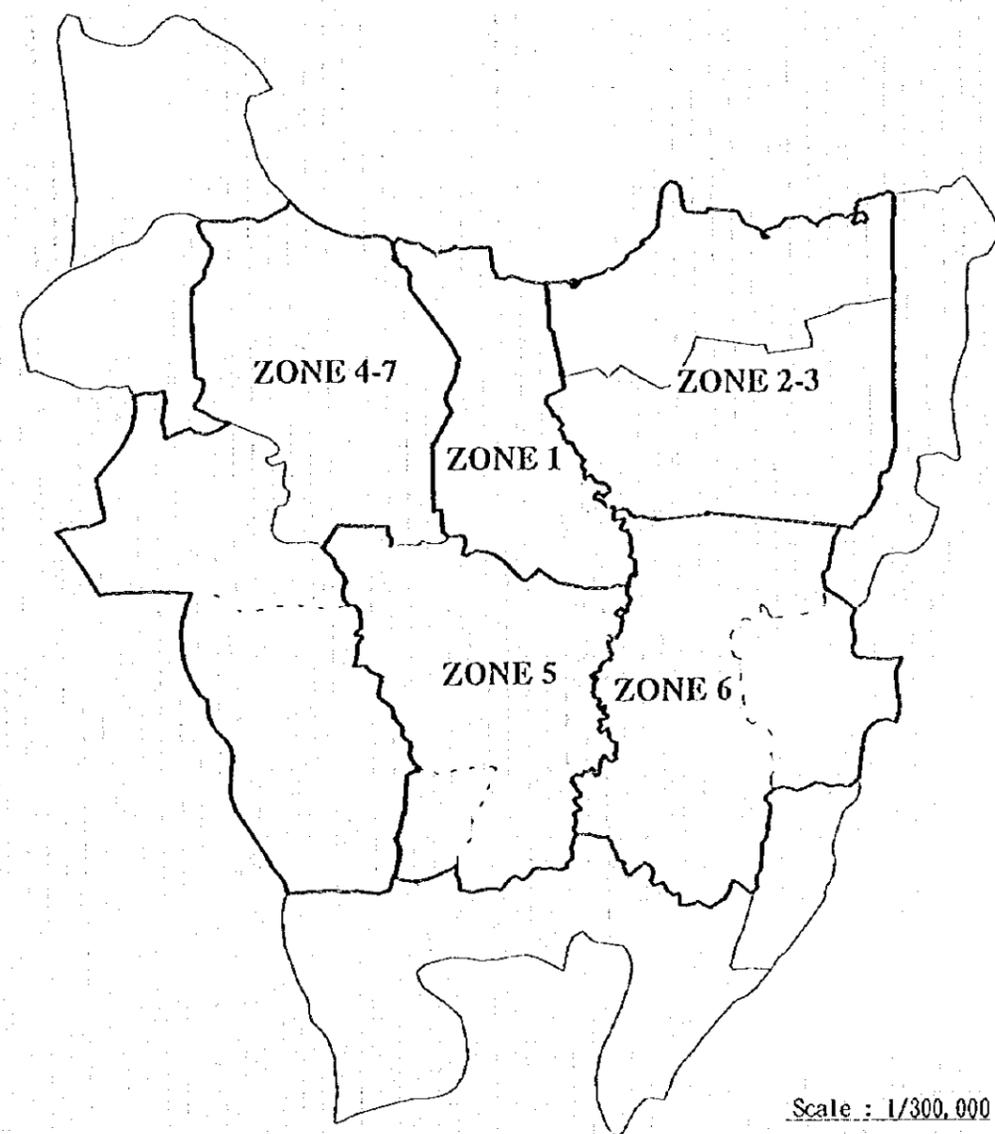
2008

DIRECTORATE GENERAL OF HUMAN SETTLEMENTS MINISTRY OF PUBLIC WORKS AND JAKARTA WATER SUPPLY ENTERPRISE	<i>THE STUDY ON THE REVISE OF JAKARTA WATER SUPPLY DEVELOPMENT PROJECT</i> JAPAN INTERNATIONAL COOPERATION AGENCY	TITLE Proposed Service Area
--	--	--------------------------------

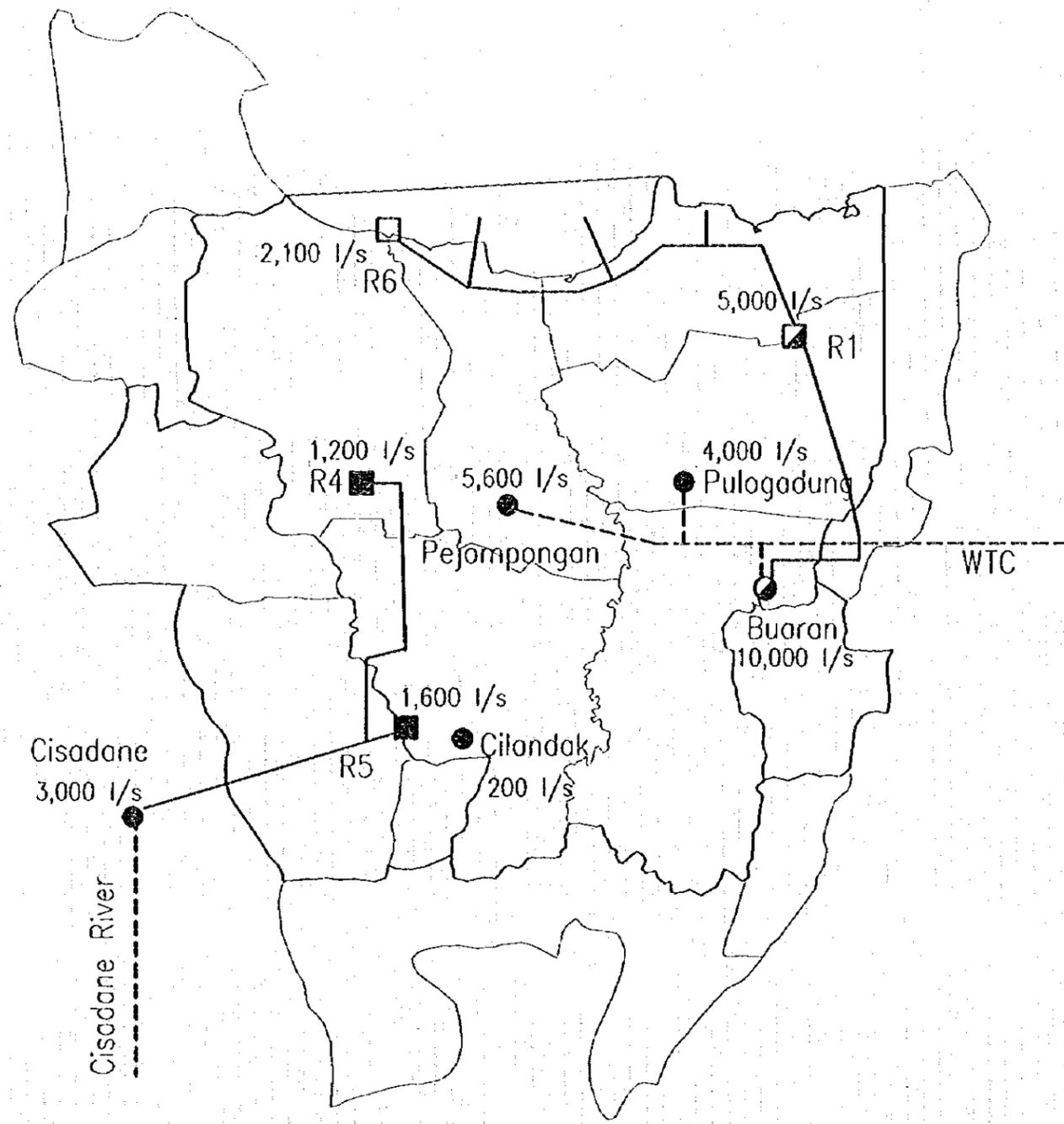
Year 2005, The Target Year of Part 1 Program



Year 2008, The Target Year of Part 2 Program



DIRECTORATE GENERAL OF HUMAN SETTLEMENTS MINISTRY OF PUBLIC WORKS AND JAKARTA WATER SUPPLY ENTERPRISE	THE STUDY ON THE REVISE OF JAKARTA WATER SUPPLY DEVELOPMENT PROJECT JAPAN INTERNATIONAL COOPERATION AGENCY	TITLE Proposed Zoning System of the Study Area
--	---	--

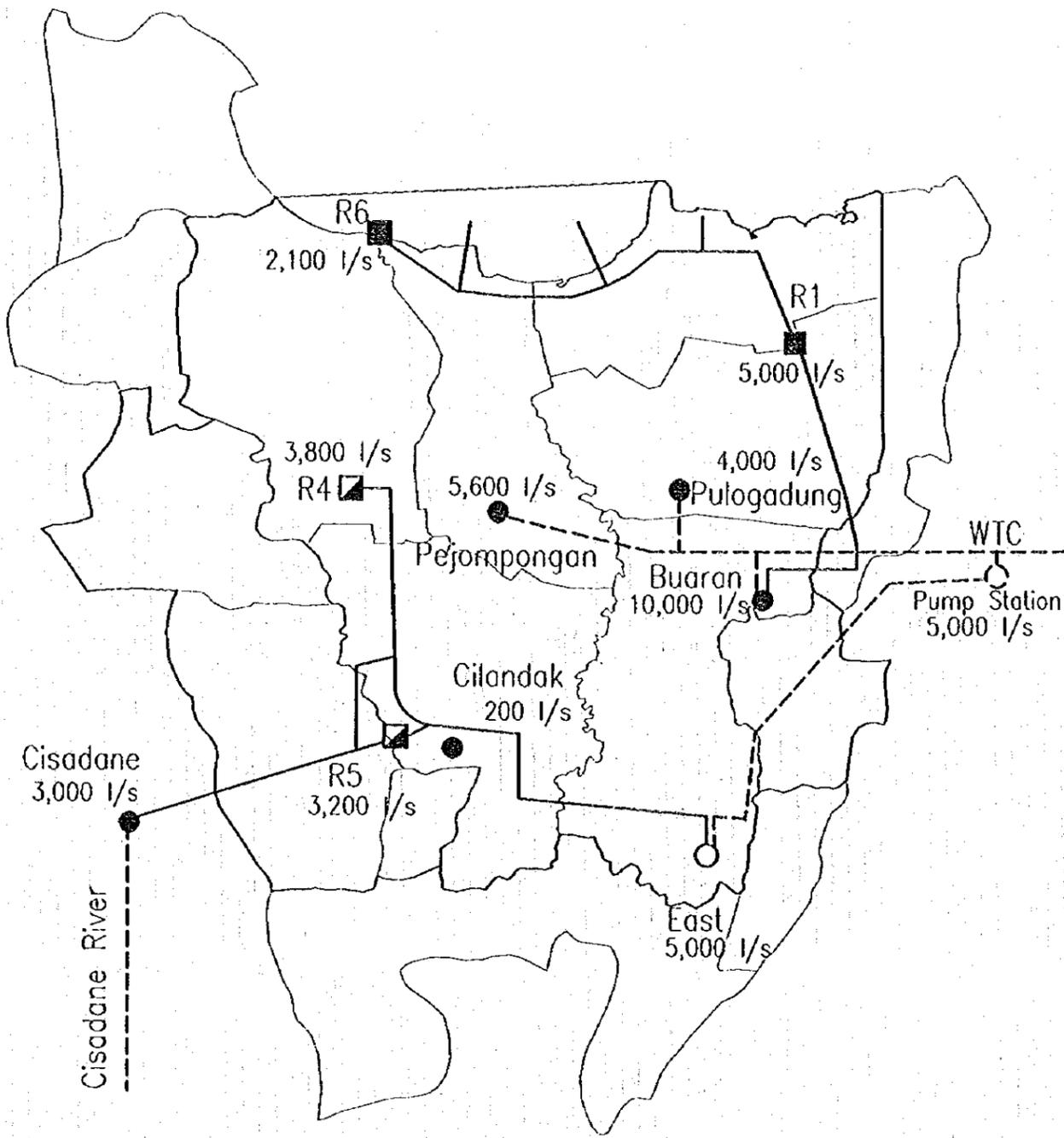


- LEGEND :
- Expansion of Treatment Plant
 - Existing Treatment Plant
 - ▣ Expansion of Distribution Center
 - Proposed Distribution Center
 - Raw Water
 - Treated Water Transmission

DIRECTORATE GENERAL OF HUMAN SETTLEMENTS
 MINISTRY OF PUBLIC WORKS
 AND
 JAKARTA WATER SUPPLY ENTERPRISE

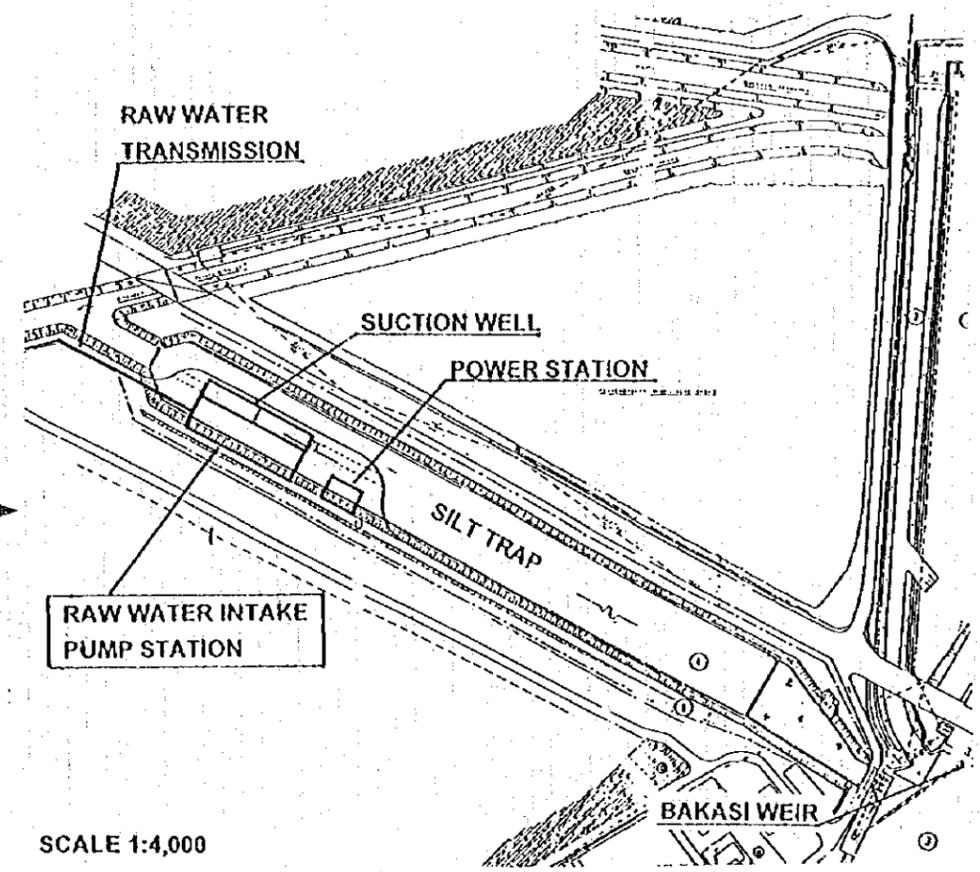
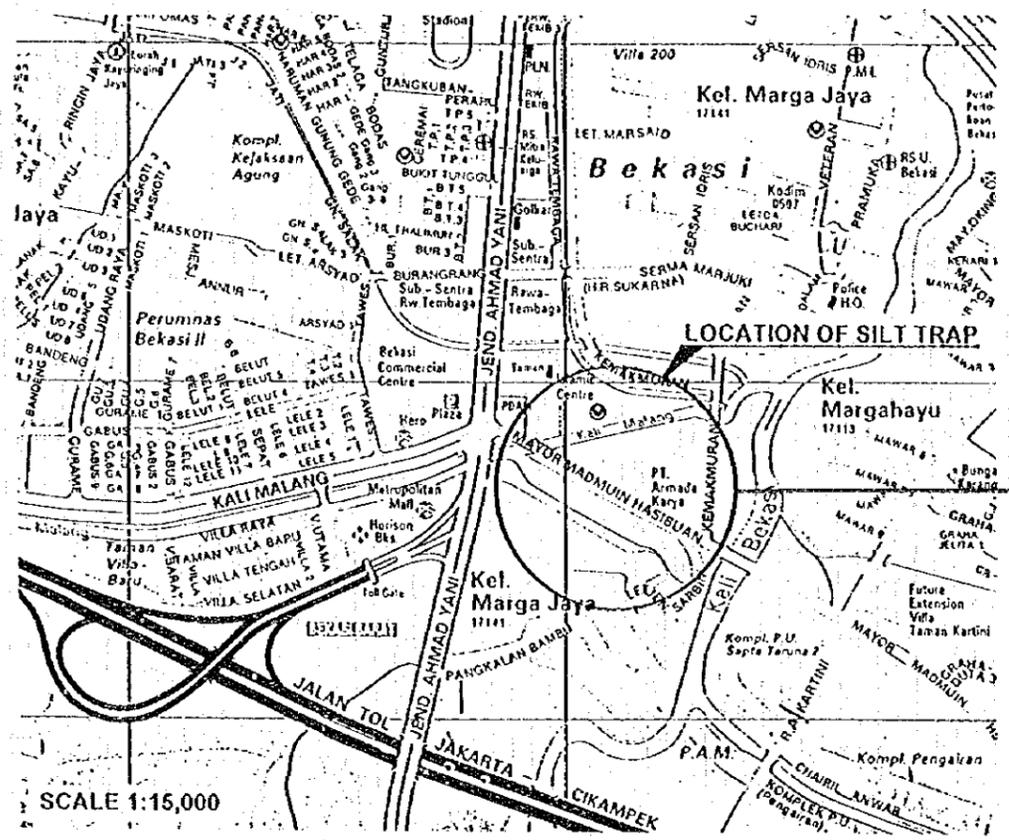
THE STUDY ON THE REVISE
 OF
 JAKARTA WATER SUPPLY DEVELOPMENT PROJECT
 JAPAN INTERNATIONAL COOPERATION AGENCY

TITLE
 Proposed Water Supply System
 in 2005 (Part I Program)



- LEGEND :
- Proposed Treatment Plant
 - Existing Treatment Plant
 - ▣ Expansion of Distribution Center
 - Raw Water
 - Treated Water Transmission

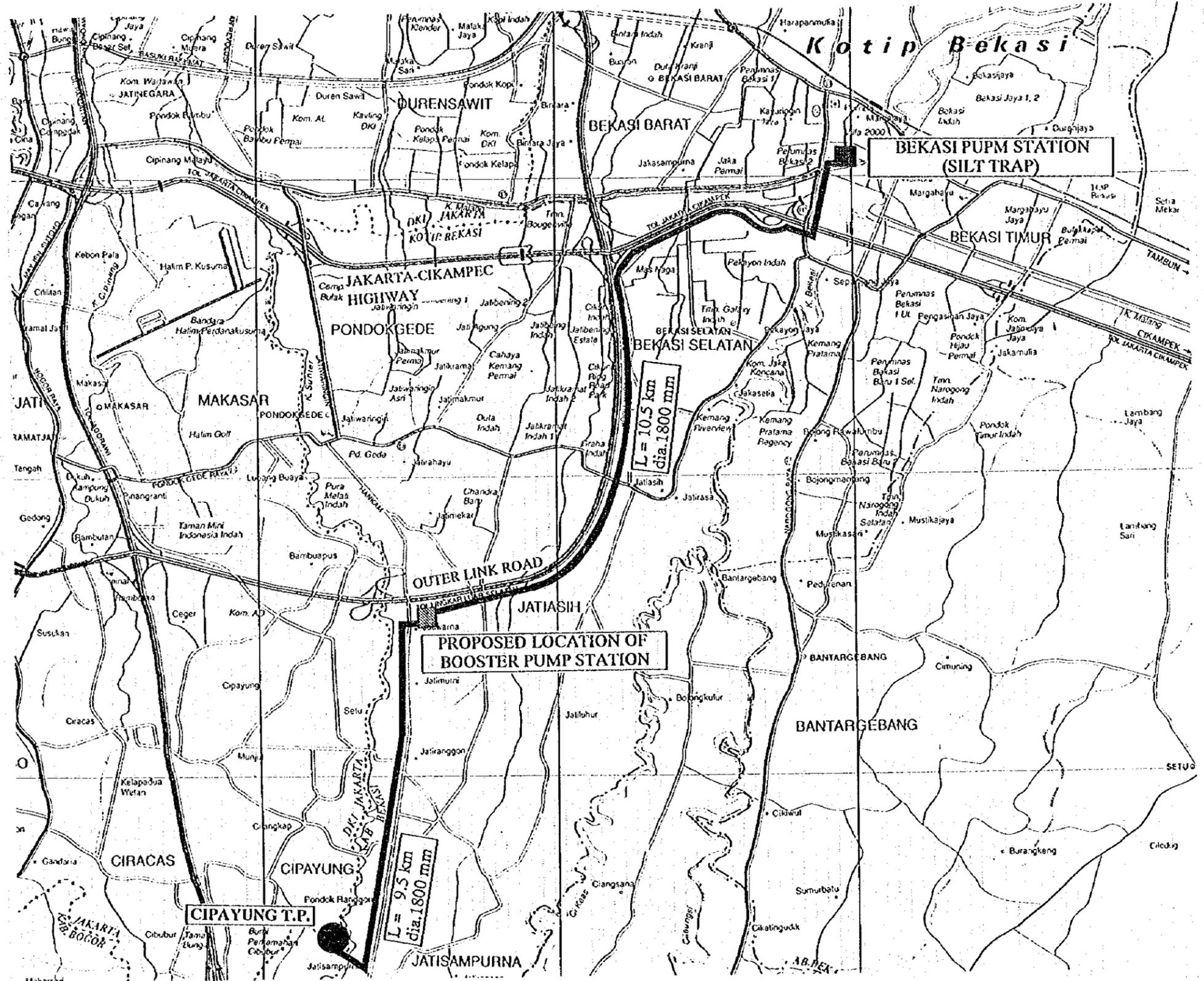
<p>DIRECTORATE GENERAL OF HUMAN SETTLEMENTS MINISTRY OF PUBLIC WORKS AND JAKARTA WATER SUPPLY ENTERPRISE</p>	<p>THE STUDY ON THE REVISE OF JAKARTA WATER SUPPLY DEVELOPMENT PROJECT JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>TITLE Proposed Water Supply System in 2008 (Part 2 Program)</p>
--	---	--



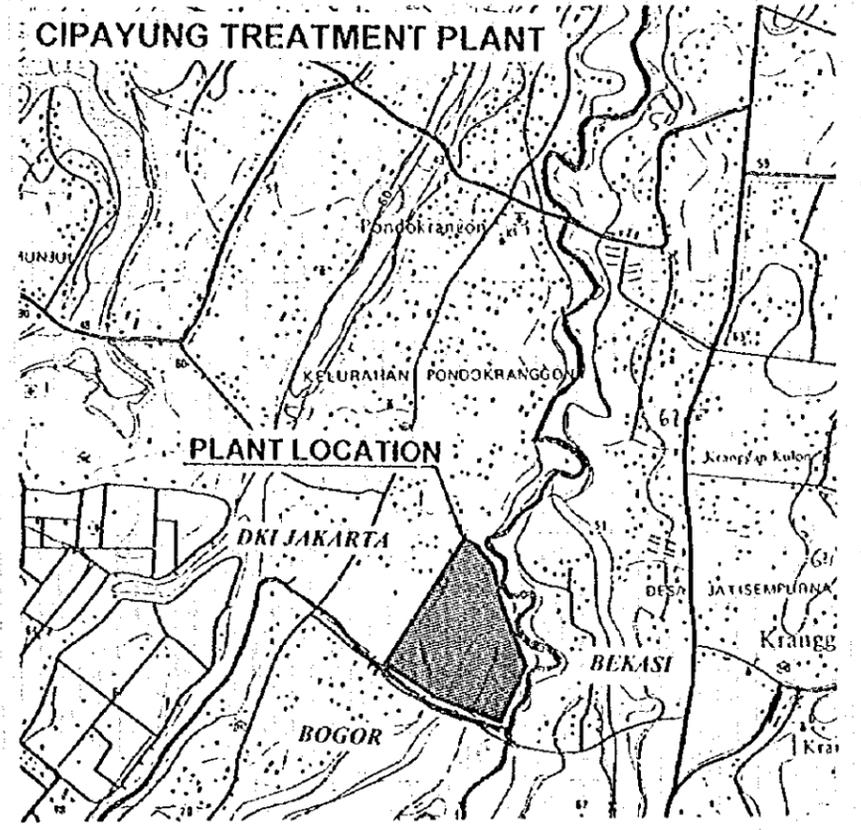
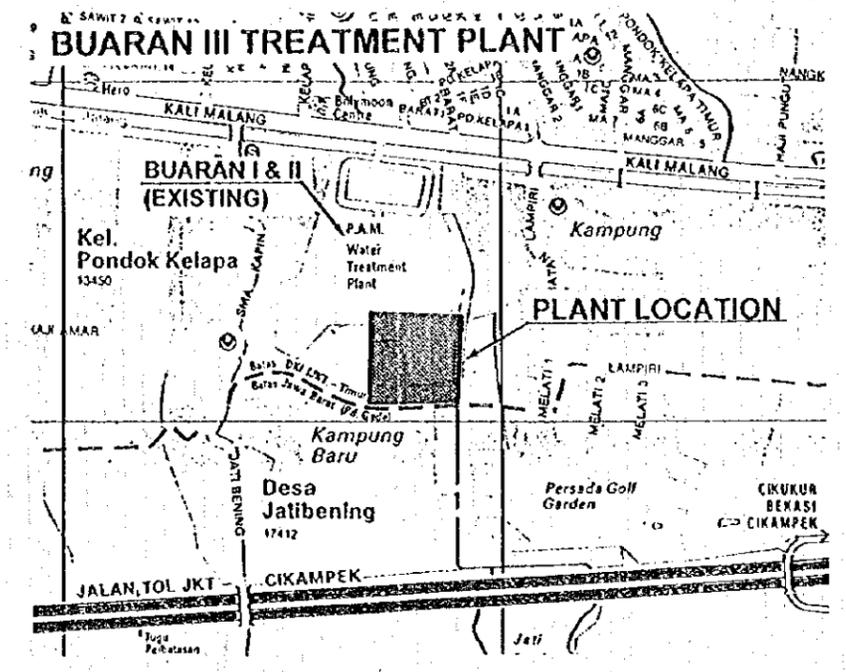
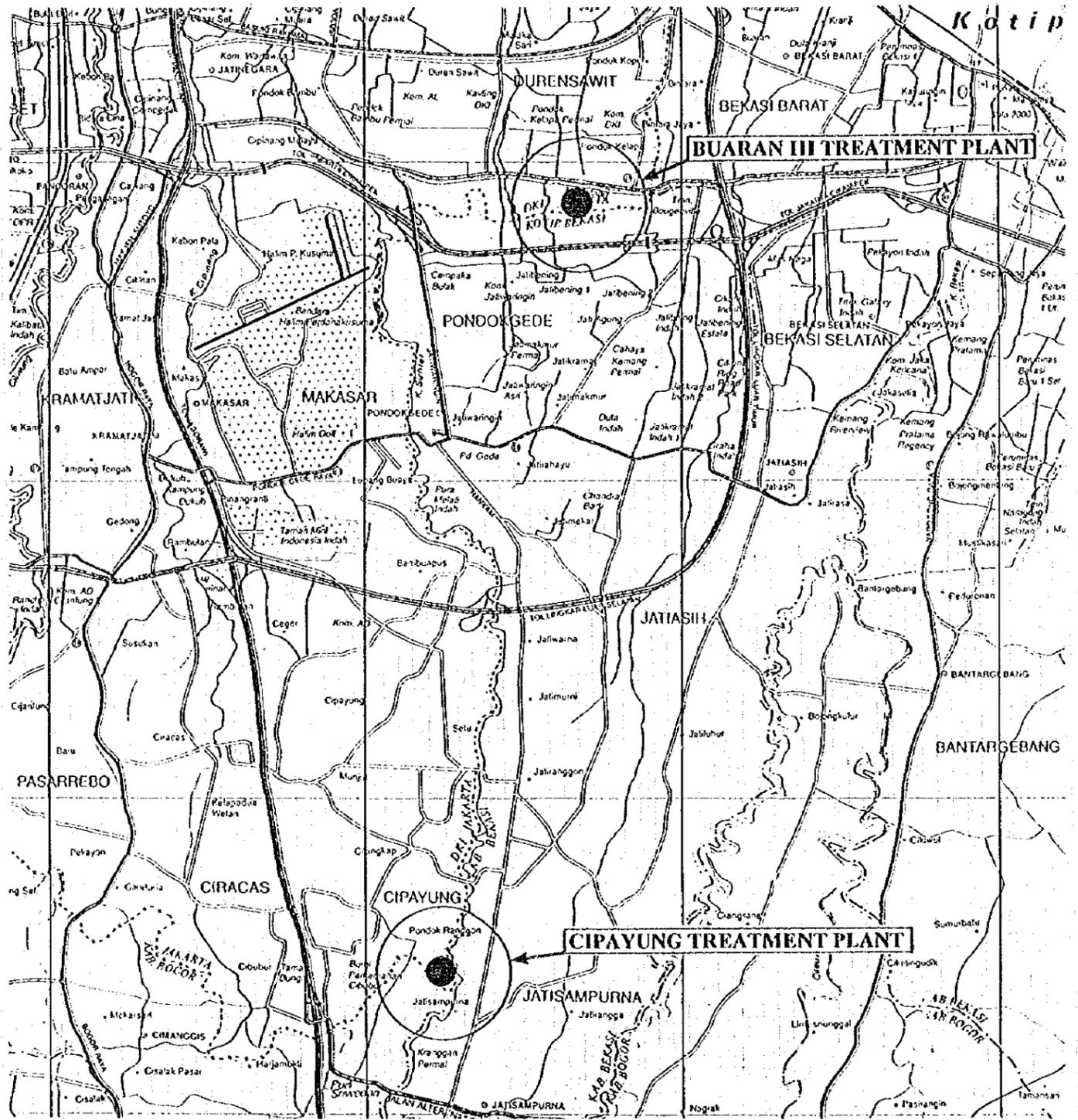
DIRECTORATE GENERAL OF HUMAN SETTLEMENTS
 MINISTRY OF PUBLIC WORKS
 AND
 JAKARTA WATER SUPPLY ENTERPRISE

THE STUDY ON THE REVISE
 OF
 JAKARTA WATER SUPPLY DEVELOPMENT PROJECT
 JAPAN INTERNATIONAL COOPERATION AGENCY

TITLE
 Proposed Location of Raw
 Water Pump Station



<p>DIRECTORATE GENERAL OF HUMAN SETTLEMENTS MINISTRY OF PUBLIC WORKS AND JAKARTA WATER SUPPLY ENTERPRISE</p>	<p>THE STUDY ON THE REVISE OF JAKARTA WATER SUPPLY DEVELOPMENT PROJECT JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>TITLE Proposed Alignment of Raw Water Transmission Pipeline</p>
---	--	--

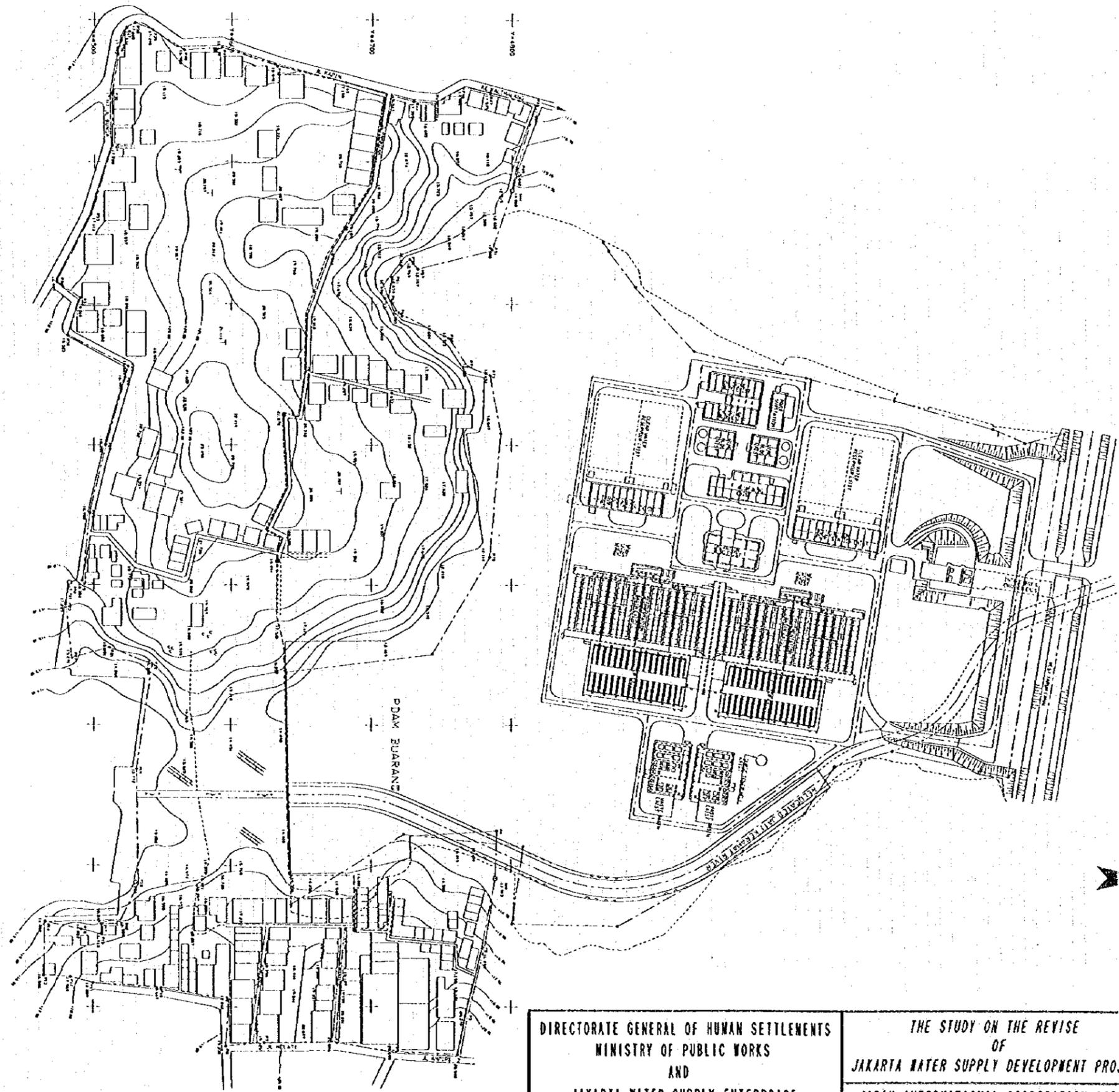


DIRECTORATE GENERAL OF HUMAN SETTLEMENTS
 MINISTRY OF PUBLIC WORKS
 AND
 JAKARTA WATER SUPPLY ENTERPRISE

THE STUDY ON THE REVISE
 OF
 JAKARTA WATER SUPPLY DEVELOPMENT PROJECT
 JAPAN INTERNATIONAL COOPERATION AGENCY

TITLE
 Proposed Location of
 Treatment Plants

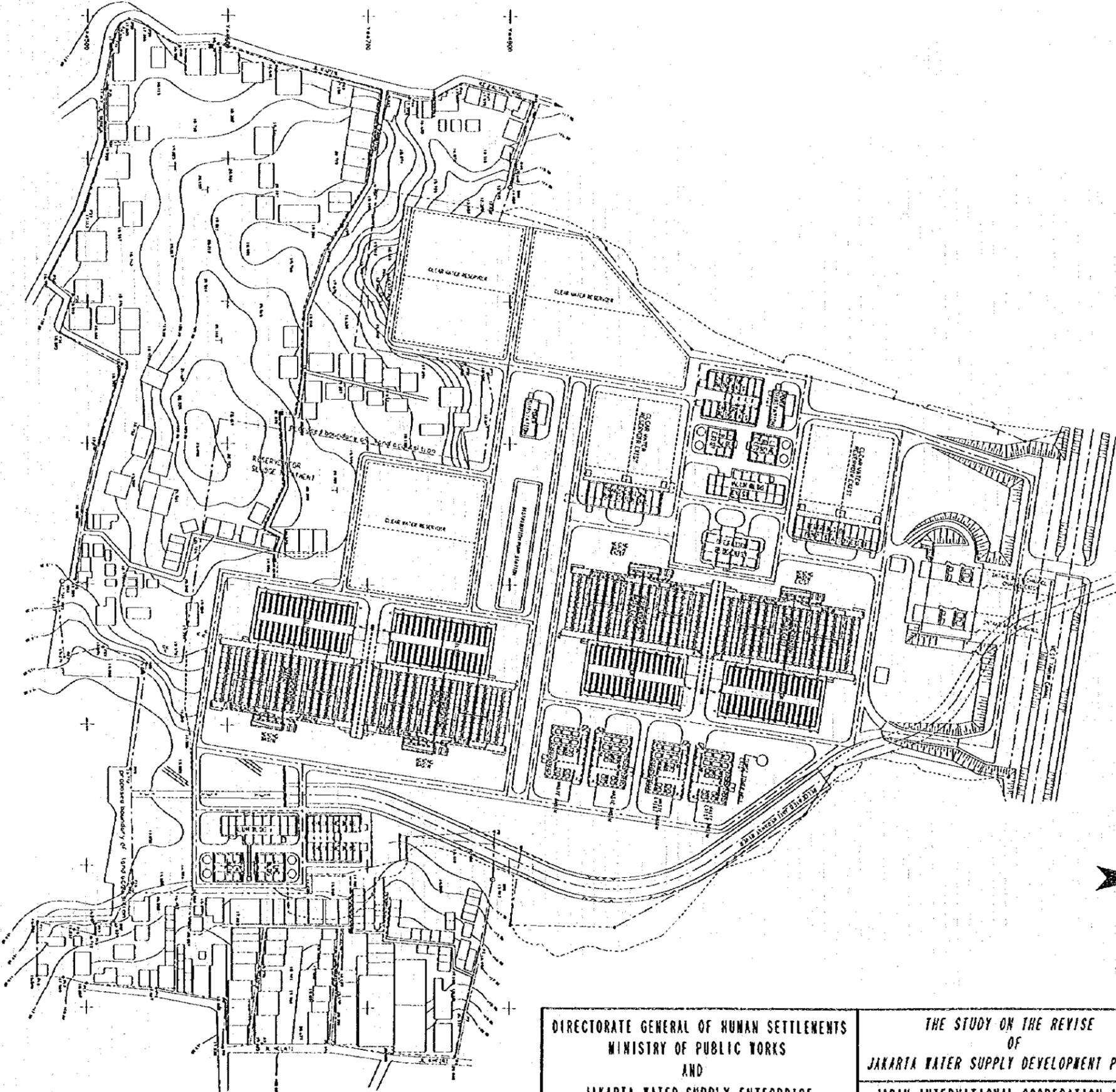
- K+9500
 - K+9600
 - K+9700
 - K+9800
 - K+9900
 - K+10000
 - K+10100
 - K+10200



- LEGEND
- POLYGON POINT
 - COUNTOP
 - FOOD
 - BUILDING/HOUSING
 - CANAL
 - T PDA
 - METRICE
 - BOUNDARY SURVEY AREA
 - BOUNDARY PROVINCE
 - FOOT PATH
 - CEMETERY PUBLIC
 - ○ BENCHMARK
 - BRIDGE
 - GARDEN
 - FENCE
 - SCALE 1/1500

DIRECTORATE GENERAL OF HUMAN SETTLEMENTS MINISTRY OF PUBLIC WORKS AND JAKARTA WATER SUPPLY ENTERPRISE	THE STUDY ON THE REVISE OF JAKARTA WATER SUPPLY DEVELOPMENT PROJECT JAPAN INTERNATIONAL COOPERATION AGENCY	TITLE Proposed Construction Site for Buaran III Treatment Plant
--	---	---

- 4+9500
 - 4+9400
 - 4+9300
 - 4+9200
 - 4+9100
 - 4+9000
 - 4+8900
 - 4+8800

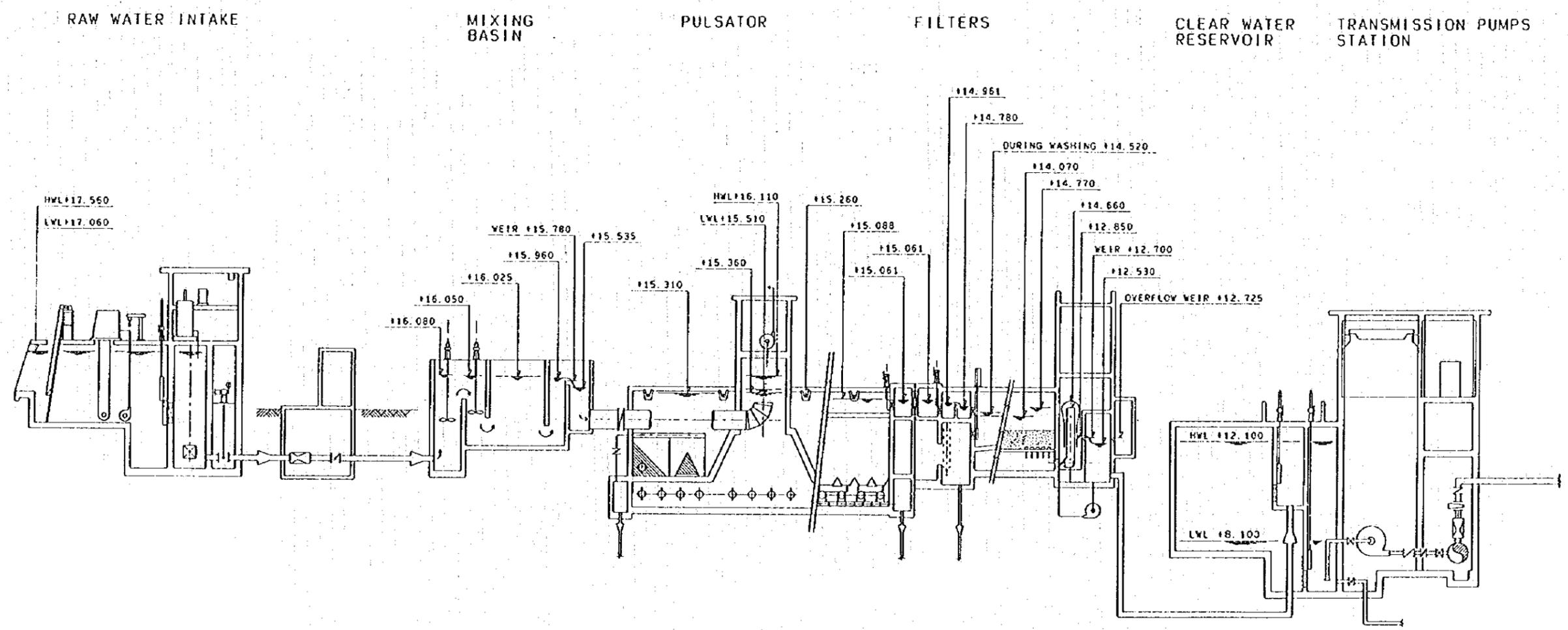


- LEGEND**
- POLYSON POINT
 - ELEVATOR
 - ROAD
 - BUILDING/COMPENSING
 - CANAL
 - FENCE
 - VEGETATION
 - BOUNDARY SURVEY AREA
 - BOUNDARY SURVEY AREA
 - FOOTPATH
 - CEMETERY/PUBLIC
 - BENCHMARK
 - BRIDGE
 - GARDEN
 - FENCE
 - EXISTING FACILITIES
- SCALE 1:1500

DIRECTORATE GENERAL OF HUMAN SETTLEMENTS
 MINISTRY OF PUBLIC WORKS
 AND
 JAKARTA WATER SUPPLY ENTERPRISE

THE STUDY ON THE REVISE
 OF
 JAKARTA WATER SUPPLY DEVELOPMENT PROJECT
 JAPAN INTERNATIONAL COOPERATION AGENCY

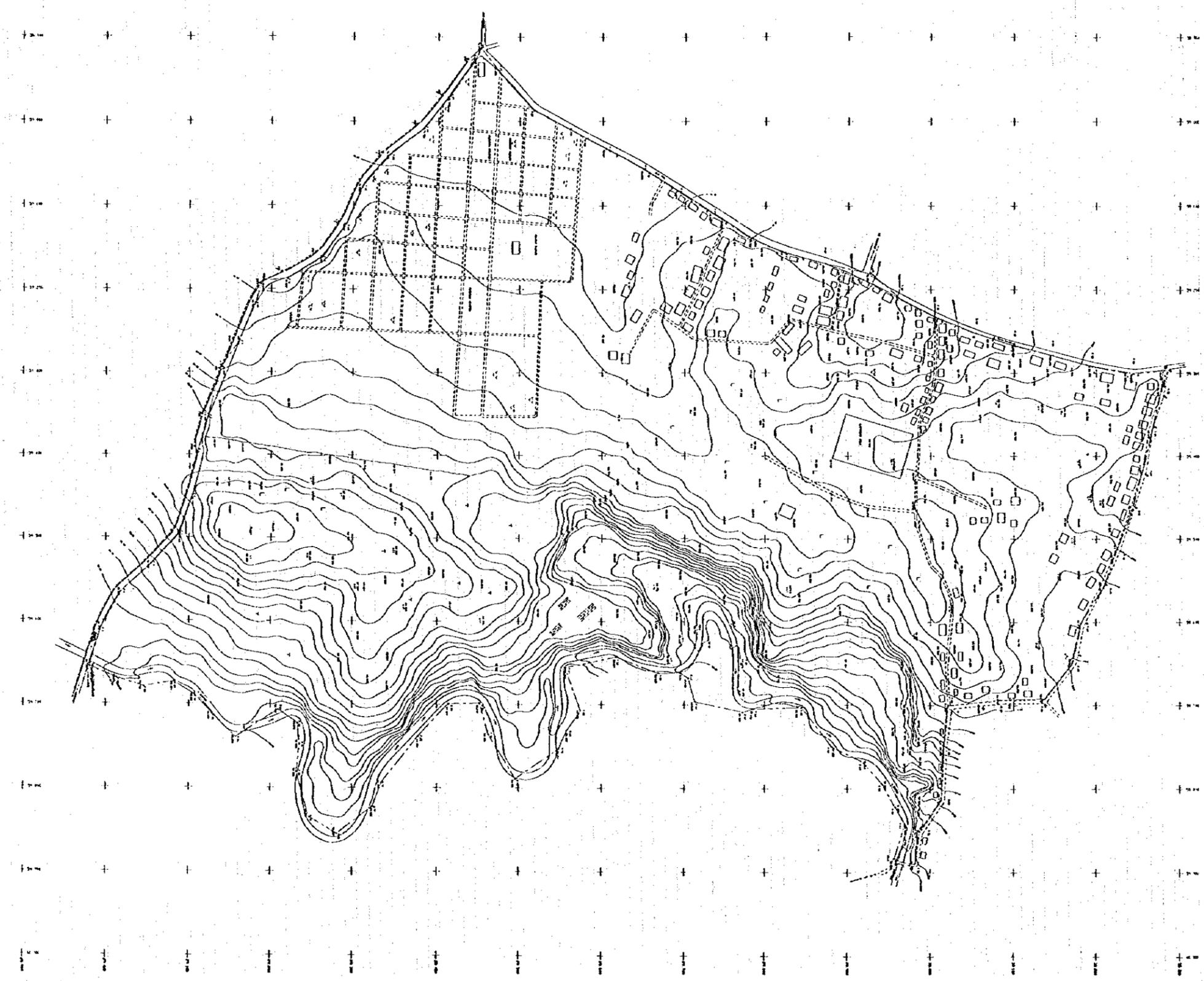
TITLE
 General Layout of Buaran III
 Treatment Plant



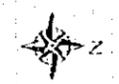
DIRECTORATE GENERAL OF HUMAN SETTLEMENTS
 MINISTRY OF PUBLIC WORKS
 AND
 JAKARTA WATER SUPPLY ENTERPRISE

THE STUDY ON THE REVISE
 OF
 JAKARTA WATER SUPPLY DEVELOPMENT PROJECT
 JAPAN INTERNATIONAL COOPERATION AGENCY

TITLE
 Hydraulic Profile of Buaran III
 Treatment Plant

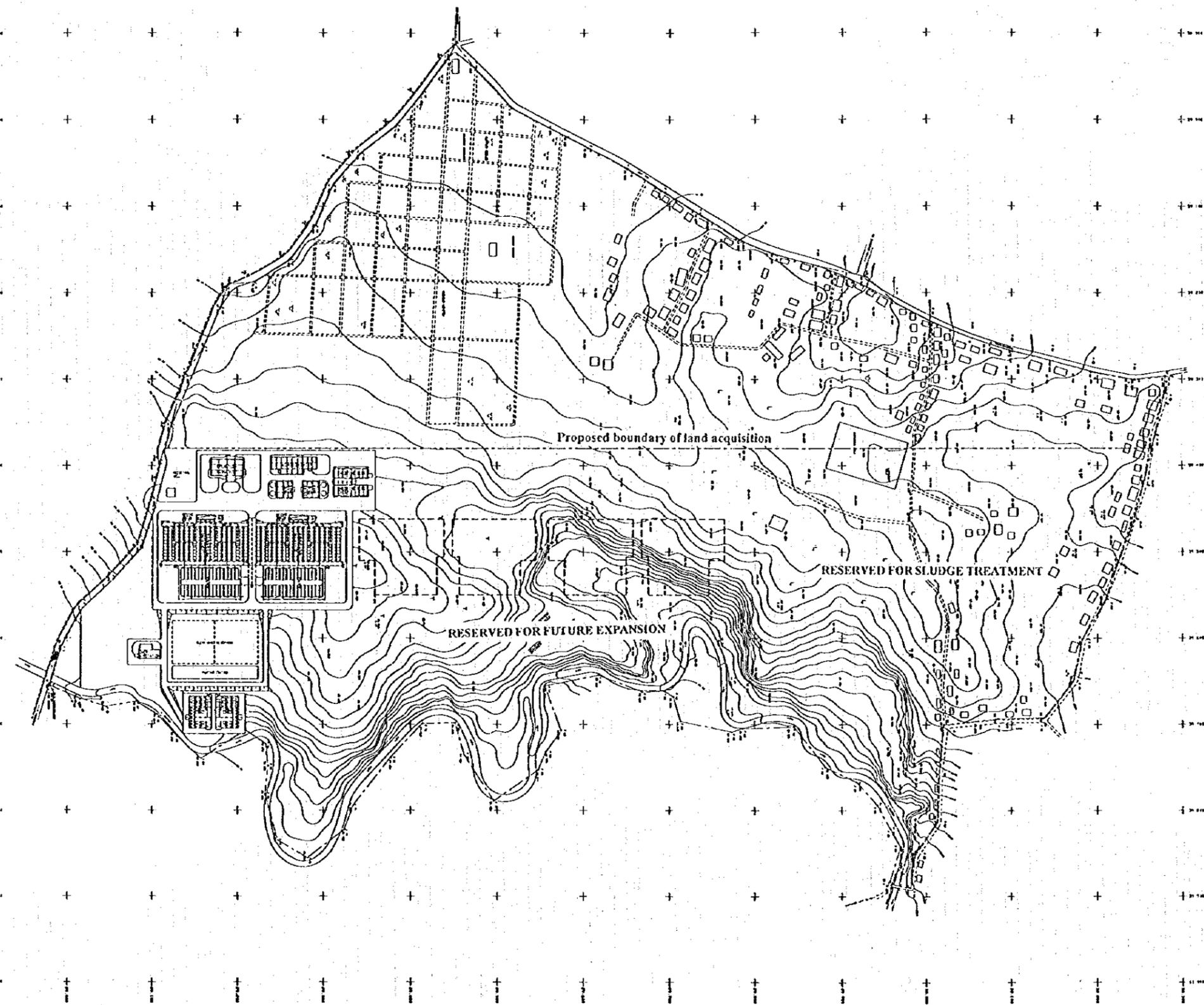


- LEGEND**
- JALAN ASPAL
 - - - - - JALAN TANJAH
 - - - - - JALAN SETAPAK
 - - - - - BATAS PROPINSI
 - ~ ~ ~ SUNGAI
 - - - - - FARIK/ALUR/SELOKAN
 - FENCAR/URAI POLYGON
 - JERBATAN
 - BANGUNAN/RUMAH
 - COUNTUR/GARIS KETINGGIAN
 - PATOK POLYGON
 - B.M (BEAM STARS)
 - PATOK PELL FRICKI PENGIKATAN TINGGI
 - PATOK PENGIKATAN KORDINAT
 - PATOK BATAS DKT-JABAR (BATAS PROPINSI)
 - TIANG LESTRIK
 - TIANG TELEFON
 - T TEGAL/LANGR
 - L LABANG
 - ~ KUBURAN
- SCALE: 1/2500



<p>DIRECTORATE GENERAL OF HUMAN SETTLEMENTS MINISTRY OF PUBLIC WORKS AND JAKARTA WATER SUPPLY ENTERPRISE</p>	<p>THE STUDY ON THE REVISE OF JAKARTA WATER SUPPLY DEVELOPMENT PROJECT JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>TITLE Proposed Construction Site for Cipayung Treatment Plant</p>
--	---	--

- LEGEND**
- ==== JALAN ASPAL
 - JALAN TANAH
 - - - JALAN SETAPAK
 - . - . BATAS PROPINSI
 - ~ SUNGAI
 - - - - PARIT/ALUR/SELOAN
 - - - - PENGURURAN POLYGON
 - JEMBATAN
 - BANGUNAN/RUMAH
 - ⊙ COUNTUR/GARIS KETINGGIAN
 - PATOK POLYGON
 - ⊙ B.M (BEAM STARS)
 - ⊙ PATOK PELL PRIOK (PENGKATAN TINGGI)
 - ⊙ PATOK PENGKATAN KOORDINAT
 - ⊙ PATOK BATAS BKI-JABAR (BATAS PROPINSI)
 - TIANG LISTRIK
 - TIANG TELEFON
 - T TEGAL/ALANG
 - L LADANG
 - ⊙ KUBURAN

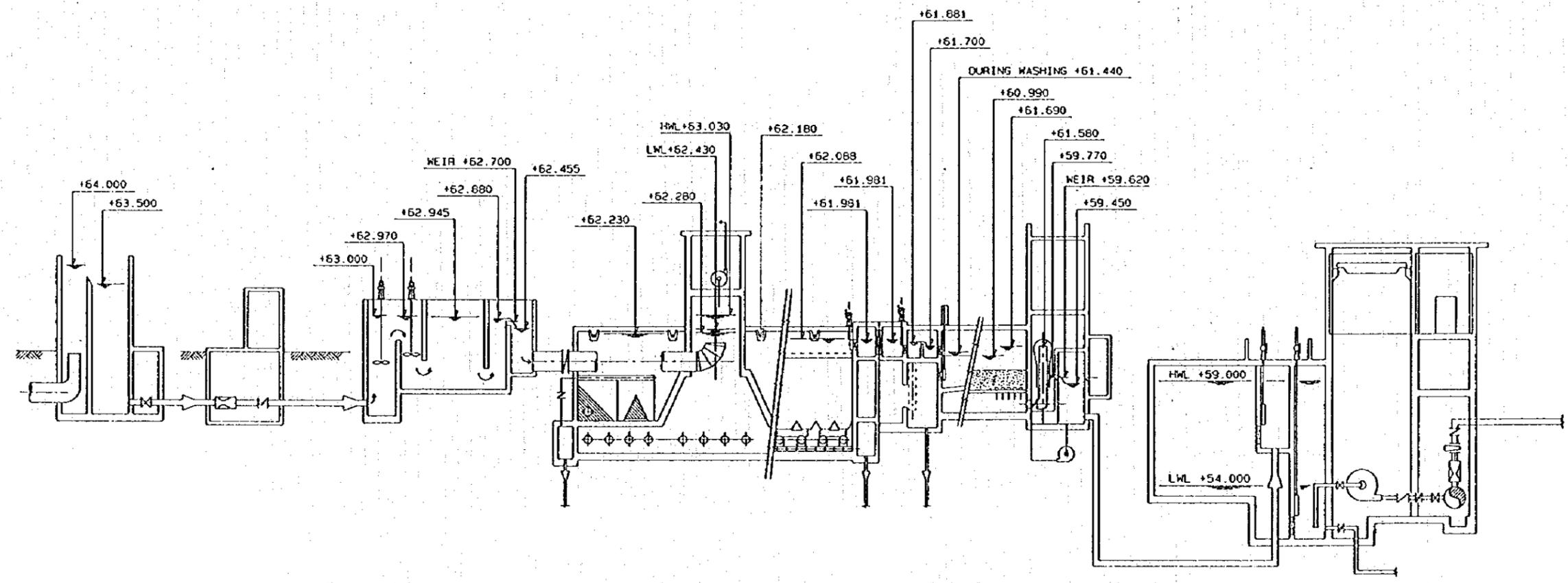


DIRECTORATE GENERAL OF HUMAN SETTLEMENTS
 MINISTRY OF PUBLIC WORKS
 AND
 JAKARTA WATER SUPPLY ENTERPRISE

THE STUDY ON THE REVISE
 OF
 JAKARTA WATER SUPPLY DEVELOPMENT PROJECT
 JAPAN INTERNATIONAL COOPERATION AGENCY

TITLE
 General Layout of Cipayung
 Treatment Plant

RECEIVING WELL MIXING BASIN PULSATOR FILTERS CLEAR WATER RESERVOIR TRANSMISSION PUMPS STATION



<p>DIRECTORATE GENERAL OF HUMAN SETTLEMENTS MINISTRY OF PUBLIC WORKS AND JAKARTA WATER SUPPLY ENTERPRISE</p>	<p>THE STUDY ON THE REVISE OF JAKARTA WATER SUPPLY DEVELOPMENT PROJECT JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>TITLE Hydraulic Profile of Cipayung Treatment Plant</p>
--	---	--