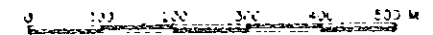


SCALE 1:5000



LEGEND

- △ Existing Irrigation Point
- ⊙ GPS Point
- ⊠ Existing Bench Mark
- Spot Height
- ~ River
- ▭ Concrete Building (more than 400sqm)
- ▭ House
- ⊞ Mosque
- ⊞ Church
- ⊞ Hospital
- ⊞ School
- ⊞ Government Office
- Road
- - - Path
- Bridge
- ⋯ Railways
- ⊞ Station
- Electric Power Line
- Cutting and Embankment
- ⊞ Swamp
- ⊞ Muslim graves
- ⊞ Christian cemetery
- ⊞ Chinese graves
- ⊞ Foddy field
- Boundary of Vegetation
- ∇ Field
- Forest
- ∇ Grass
- ⊞ Water hole
- ⊞ Pond
- ⊞ Sand
- ⊞ Land Slide

1228-434										1228-444									
18	19	20	1228-443						18	19	20	21							
23	24	25	26	27	28	29	30	21	22	23	24								
3	4	5	6	7	8	9	10	11	12	13	14								
8	9	10	11	12	13	14	15	16	17	18	19								
13	14	15	16	17	18	19	20	21	22	23	24								
18	19	20	21	22	23	24	25	26	27	28	29								
23	24	25	26	27	28	29	30	31	32	33	34								
1228-432										1228-442									
18	19	20	1228-441						18	19	20	21							
23	24	25	26	27	28	29	30	21	22	23	24								
3	4	5	6	7	8	9	10	11	12	13	14								
8	9	10	11	12	13	14	15	16	17	18	19								
13	14	15	16	17	18	19	20	21	22	23	24								
18	19	20	21	22	23	24	25	26	27	28	29								
23	24	25	26	27	28	29	30	31	32	33	34								

K. Y : Base UTM Zone 45
M : Mean sea level (TTG)

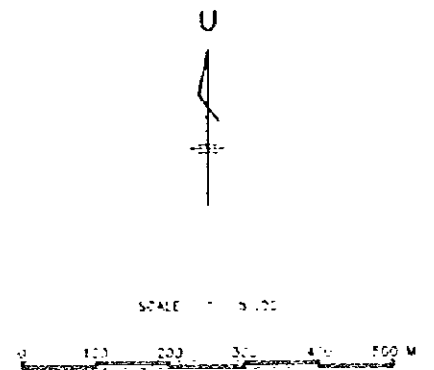
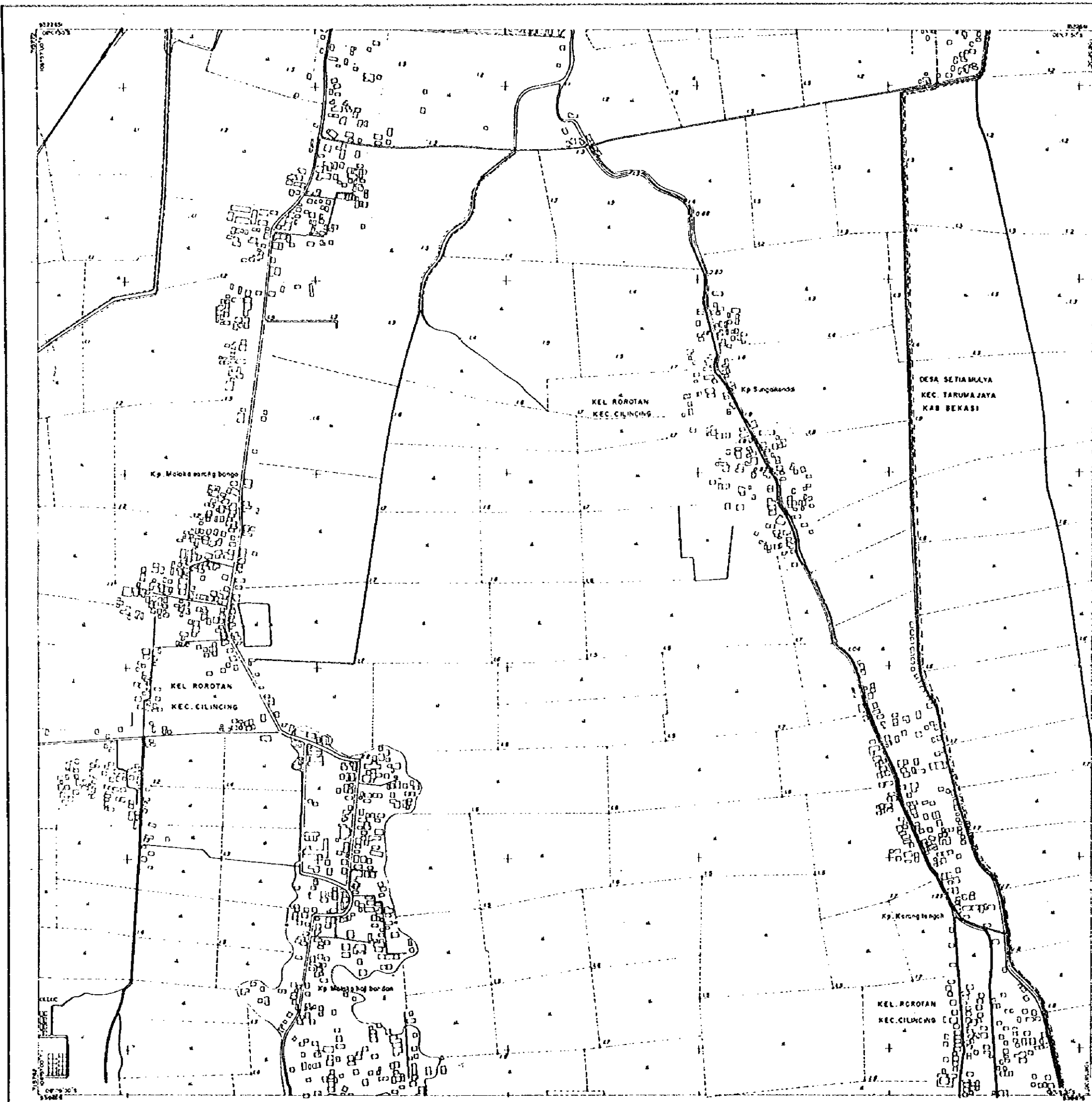
Index contour : 10 meter
Main contour : 2 meter
Supplemental contour : 1 meter
Aerial photography : 1:20,000 May 1934

MINISTRY OF PUBLIC WORKS
DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT
CILIMUNG OSADANE RIVER BASIN DEVELOPMENT PROJECT

THE STUDY ON COMPREHENSIVE RIVER WATER MANAGEMENT PLAN IN JABOTABEK

Scale: 1:5000
TOPOGRAPHIC MAP

Created by		Approved by		Field Survey '85-86
Name	Signature	Name	Signature	Field Tr. '85-86
Sumarta	[Signature]	L. Kusuma	[Signature]	Field Tr. '85-86
20.1.86	20.1.86	21.1.86	21.1.86	Field Drawing '86-87
JICA JAPAN INTERNATIONAL COOPERATION AGENCY		PE. ARAS DOLASATYA		Sheet No. 03



LEGEND

- A Existing Triangulation Point
- ⊙ GPS Point
- ⊠ Existing Bench Mark
- Spot Height
- ⚡ River
- ▣ Concrete Building (more than 4 floors)
- ⊞ House
- ⚡ Mosque
- ⚡ Church
- ⊞ Masjid
- ⊞ SPUCC
- ⊞ Government Office
- Road
- Path
- Bridge
- Railway
- ⊞ Station
- Electric Power Line
- Cutting and Embankment
- ⊞ Swamp
- ⊞ Moslem graves
- ⊞ Christian cemetery
- ⊞ Or else graves
- ⊞ Paddy field
- Boundary of Vegetation
- ⊞ Field
- ⊞ Forest
- ⊞ Grass
- Water Hole
- ⊞ Pond, Lake
- ⊞ Sand
- ⊞ Land Slide

1228-424										1228-424									
1228-424	1228-424	1228-424	1228-424	1228-424	1228-424	1228-424	1228-424	1228-424	1228-424	1228-424	1228-424	1228-424	1228-424	1228-424	1228-424	1228-424	1228-424	1228-424	1228-424
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K, Y : Base of UTM Zone 48
 H : Mean sea level (MSL)

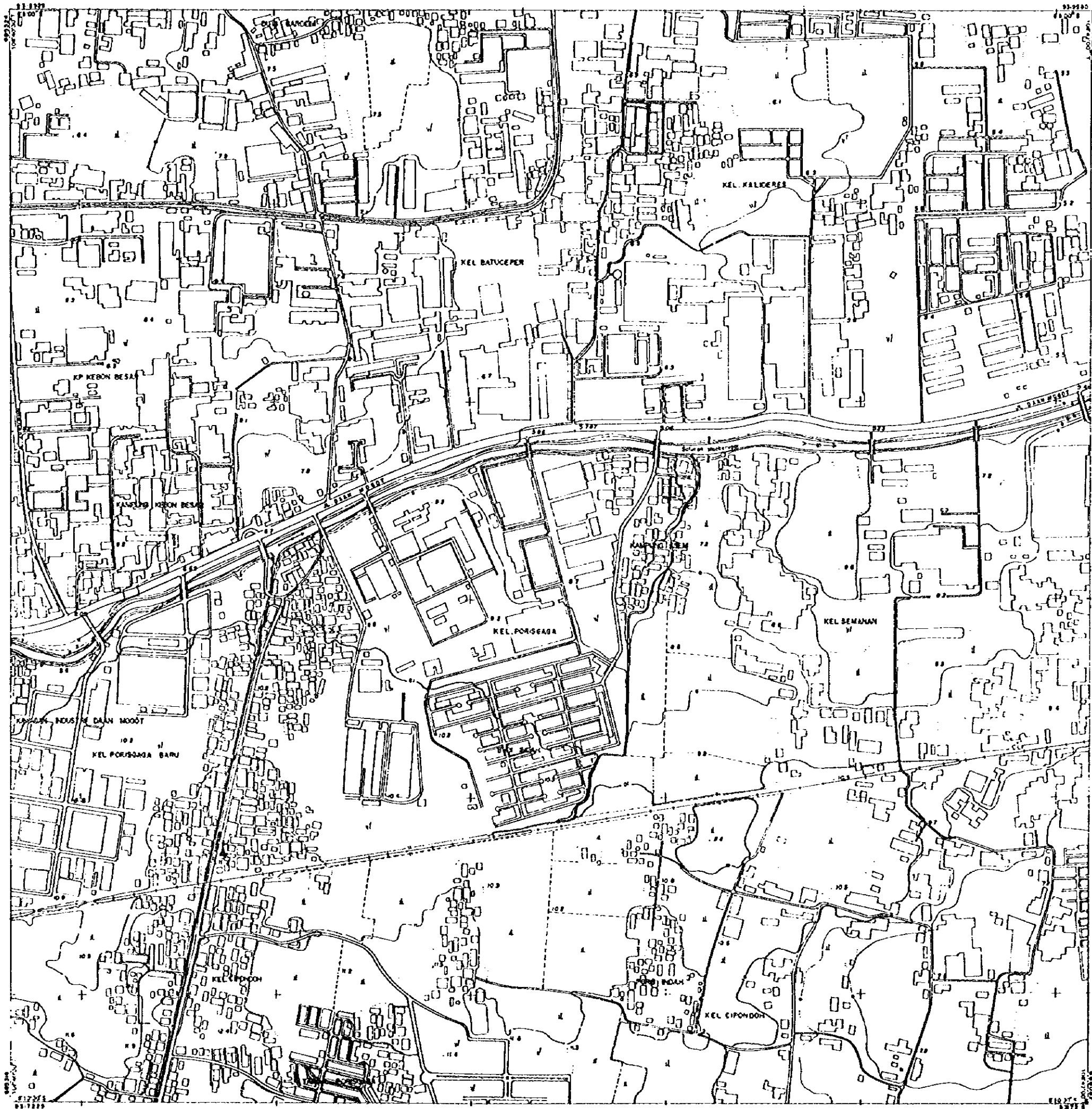
Index contour : 10 meter
 Main contour : 2 meter
 Supplemental contour : 1 meter
 Aerial photography : 1:20,000
 May 1994

MINISTRY OF PUBLIC WORKS
 DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT
 CILUNG USADANE RIVER BASIN DEVELOPMENT PROJECT
 THE STUDY ON COMPREHENSIVE RIVER WATER MANAGEMENT PLAN IN JABOTABEK

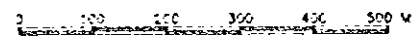
Drawing Title: **TOPOGRAPHIC MAP**

Drawn by	Checked by	Approved by	Field Survey
Signature	Signature	Signature	Signature
Date	Date	Date	Date

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 P. ARAS DELTASATYA

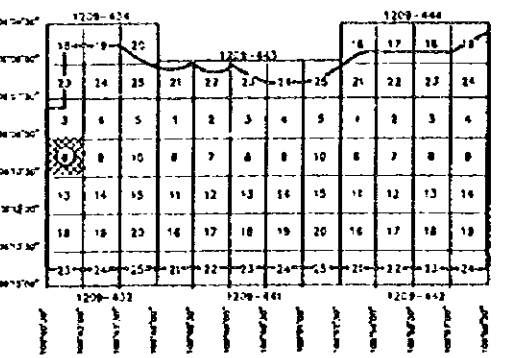


SCALE 1 : 5 000



LEGEND

- △ Existing Triangulation Point
- GPS Point
- Existing Bench Mark
- Spot height
- ~ River
- ▭ Concrete Building (more than 4 floor)
- ◻ House
- ⊕ Mosque
- ⊕ Church
- ⊕ Hotel
- ⊕ School
- ⊕ Governed Office
- Road
- - - Path
- ≡ Bridge
- ⋯ Railway
- ⊕ Station
- +— Electric Power Line
- ▭ Cutting and Embankment
- ▭ Swamp
- ⊕ Moslem graves
- ⊕ Christian cemetery
- ⊕ Chinese graves
- ⊕ Paddy field
- ⋯ Boundary of Vegetation
- ⊕ Field
- ⊕ Forest
- ⊕ Grass
- Water hole
- Pond, lake
- ⊕ Sand
- ⊕ Land Slide



X, Y : Based UTM Zone 48
 H : Mean sea level (TGT)
 Inter contour : 10 meter
 Main contour : 2 meter
 Supplemental contour : 1 meter
 Aerial photography : 1 : 10 000
 October 1994

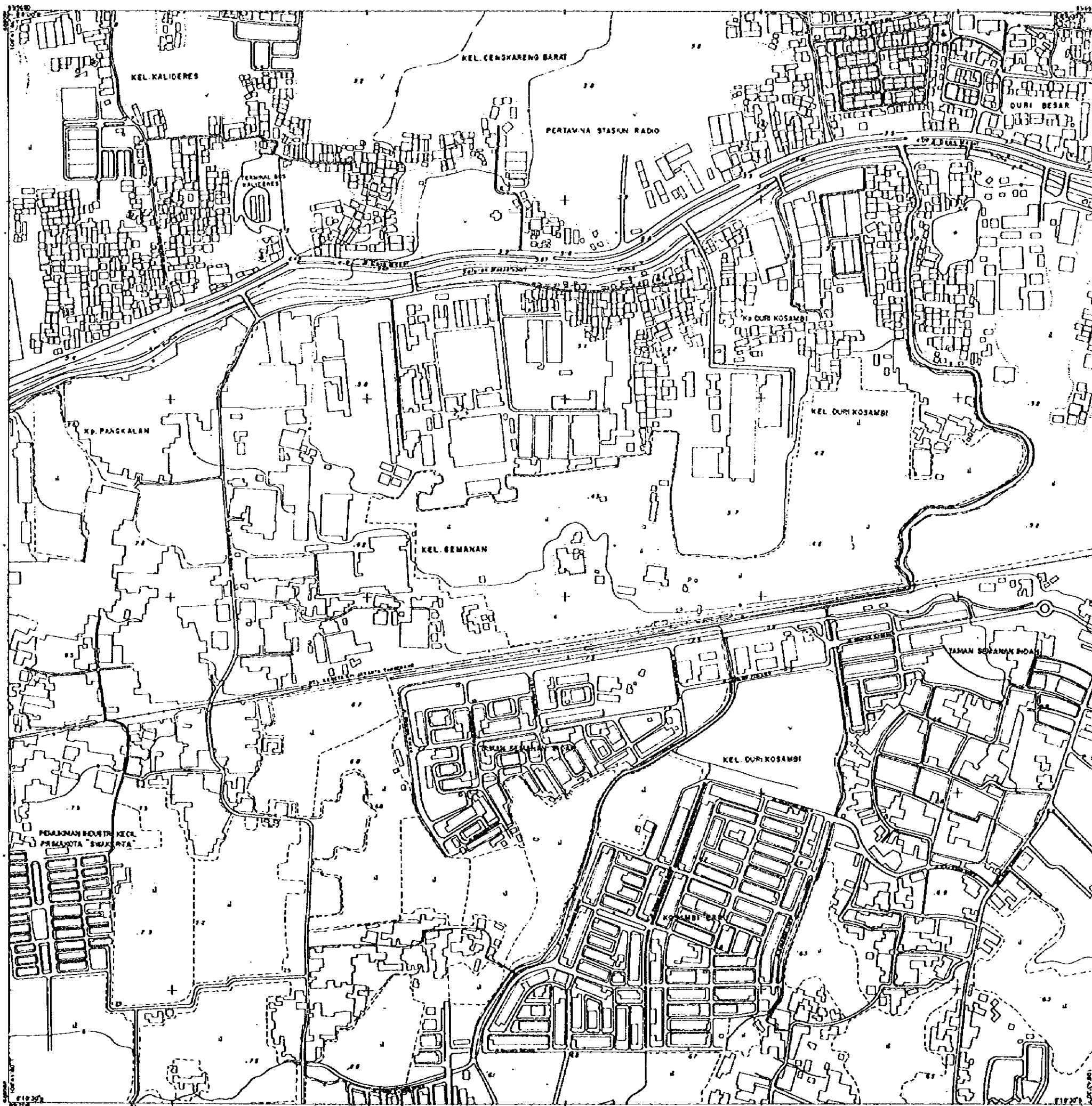
MINISTRY OF PUBLIC WORKS
 DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT
 CUKUNG OSADANE RIVER BASIN DEVELOPMENT PROJECT

THE STUDY ON COMPREHENSIVE RIVER WATER MANAGEMENT PLAN IN JABOTABEK

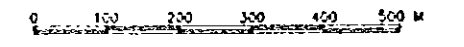
Drawing No: **TOPOGRAPHIC MAP**

Drawn by	Checked by	Approved by	Field Party No. 28
Supervisor	Supervisor	Supervisor	Field No. 08 10
Date	Date	Date	Field Party No. 01

JICA JAPAN INTERNATIONAL COOPERATION AGENCY **PT. ATLAS DELTASATYA** 220-432 68

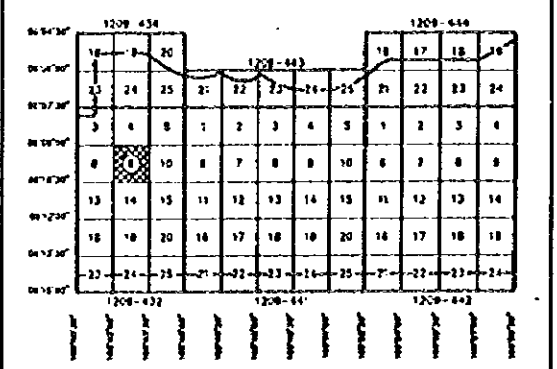


SCALE 1 : 5 000



LEGEND

- | | |
|---|--------------------------|
| △ Existing Triangulation Point | ⊙ Station |
| ⊙ GPS Point | ⊕ Electric Power Line |
| ⊠ Existing Bench Mark | ▨ Cutting and Embankment |
| • Spot height | ▨ Swamp |
| ~ River | ⊕ Muslim graves |
| ▭ Concrete Building (more than 400 sq. m) | ⊕ Christian cemetery |
| □ House | ⊕ Chinese graves |
| ⊕ Mosque | ⊕ Paddy field |
| ⊕ Church | ⊕ Boundary of Vegetation |
| ⊕ Hospital | ∇ Field |
| ⊕ School | ∇ Forest |
| ⊕ Government Clinic | ∇ Grass |
| — Road | ⊕ Water hole |
| - - - Path | ⊕ Pond, lake |
| ≡ Bridge | ⊕ Sand |
| ⋯ Railway | ⊕ Landslide |



X, Y : Based UTM Zone 48
 H : Mean sea level (TTG)

Index contour : 10 meter
 Main contour : 2 meter
 Supplemental contour : 1 meter
 Aerial photography : 1:20,000
 May 1994

MINISTRY OF PUBLIC WORKS
 DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT
 CIBUNG CIGADANE RIVER BASIN DEVELOPMENT PROJECT

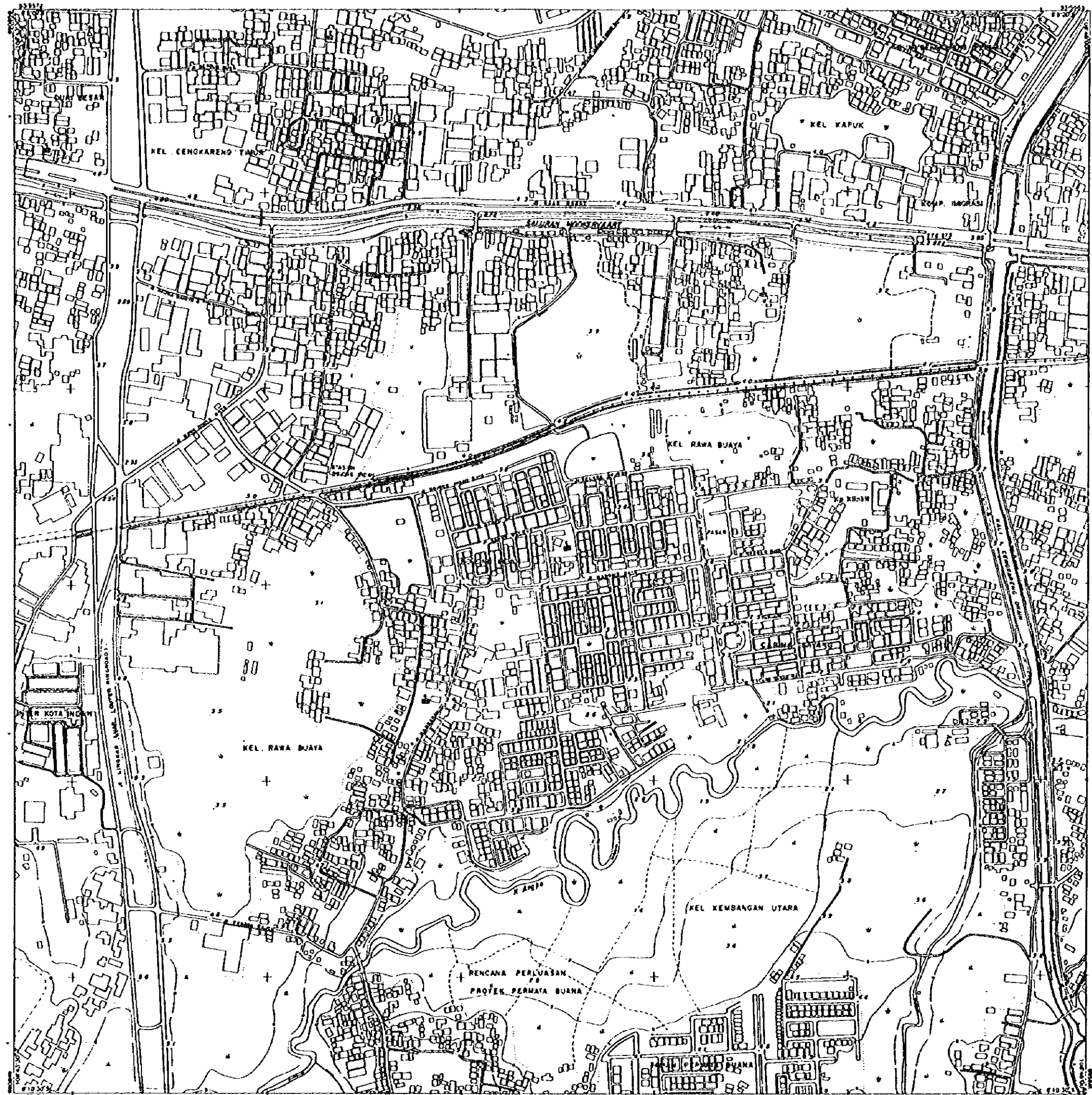
THE STUDY ON COMPREHENSIVE RIVER WATER MANAGEMENT PLAN IN JABOTABEK

Drawing Title : **TOPOGRAPHIC MAP**

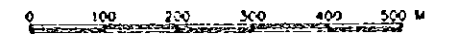
Drawn by	Checked by	Approved by	Field Survey No. 04
Name	Signature	Signature	Field No. 95 10
Date	Date	Date	Field No. 96 10
9-2-94	9-2-94	9-2-94	Field No. 97 04

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
PT. ARAS DELTASATYA

Sheet No. 1208-432



SCALE 1:5000



LEGEND

- △ Existing Triangulation Point
- GPS Point
- Existing Bench Mark
- Spot Height
- River
- Concrete Basing (more than 4m boat)
- House
- Mosque
- Church
- Hospital
- School
- Government Office
- Pond
- Path
- Bridge
- Railway
- Station
- Electric Power Line
- Cutting and Embankment
- Swamp
- Western groves
- Christian cemetery
- Chinese groves
- Paddy field
- Boundary of Vegetation
- Field
- Forest
- Grass
- Water hole
- Ford, lake
- Sand
- Land Slide

1228-434	1228-435	1228-436	1228-437	1228-438	1228-439	1228-440	1228-441	1228-442
19	20	21	22	23	24	25	26	27
23	24	25	26	27	28	29	30	31
1	2	3	4	5	6	7	8	9
8	9	10	11	12	13	14	15	16
13	14	15	16	17	18	19	20	21
18	19	20	21	22	23	24	25	26
23	24	25	26	27	28	29	30	31
1228-432	1228-433	1228-434	1228-435	1228-436	1228-437	1228-438	1228-439	1228-440

X, Y : Bessel UTM Zone 48
 h : Mean sea level (TTG)

tree contour : 10 meter
 main contour : 2 meter
 supplementary contour : 1 meter
 Aerial photography : 1:20,000
 W.D. : 1954

MINISTRY OF PUBLIC WORKS
 DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT
 CUMBUK OSADANE RIVER BASIN DEVELOPMENT PROJECT
 THE STUDY ON COMPREHENSIVE RIVER WATER MANAGEMENT PLAN IN JABOTABEK

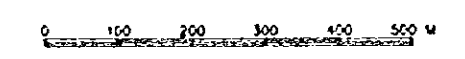
Drawing Title: **TOPOGRAPHIC MAP**

Checked by	Approved by	Date Survey '85 04
Samartha	Sutarjo	April '85 10
Supriatna	R. H. M. S.	1. 1. 1985
Date	Date	Date
6-2-85	6-2-85	6-2-85

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 PEL. ARAS DOLYABATIA

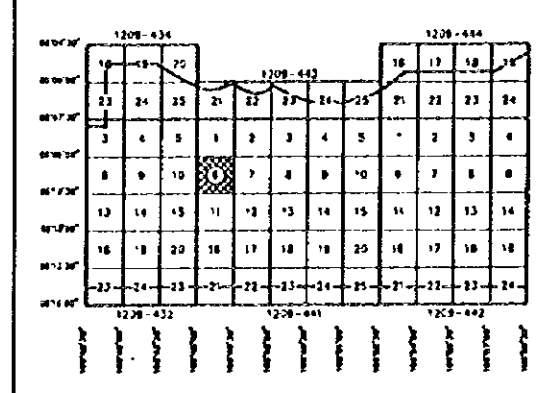


SCALE 1 : 5 000



LEGEND

- △ Existing Triangulation Point
- GPS Point
- Existing Bench Mark
- Spot Height
- ~ River
- ▭ Concrete Basing (more than 4m floor)
- ▭ House
- ⊕ Mosque
- ⊕ Church
- ⊕ Hospital
- ⊕ School
- ⊕ Government Office
- Road
- - - Path
- Bridge
- - - Railway
- ⊕ Station
- Electric Power Line
- ▭ Cutting and Embankment
- ▭ Swamp
- ⊕ Mean grass
- ⊕ Chinese cemetery
- ⊕ Chinese grass
- ▭ Paddy field
- ⋯ Boundary of vegetation
- ∇ Field
- ⊕ Forest
- ∇ Grass
- Water hole
- Pond, lake
- ⊕ Sand
- ⊕ Land Slide



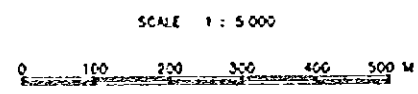
X, Y : Based UTM Zone 48
 N : Mean sea level (RTG)
 Index contour : 10 meter
 Main contour : 2 meter
 Supplemental contour : 1 meter
 Aerial photography : 1:20 000
 May 1994

MINISTRY OF PUBLIC WORKS
 DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT
 CILUBUNG DASARAH RIVER BASIN DEVELOPMENT PROJECT
 THE STUDY ON COMPREHENSIVE RIVER WATER MANAGEMENT PLAN IN JABOTABEK

Drawing Title: **TOPOGRAPHIC MAP**

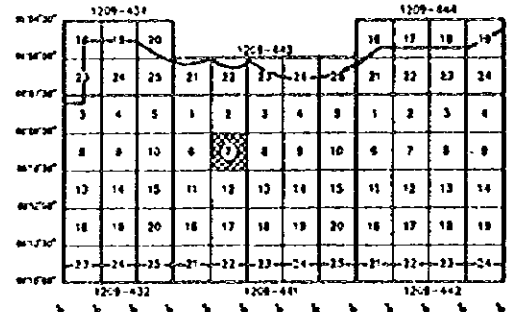
Drawn by	Checked by	Approved by	Field Survey No. 04
Supervisor	Engineer	Engineer	April 25 '95 10
Structure	Hydrology	Hydrology	March '95 10
Date	0-2-95	0-2-95	Feb. Draft '95 10

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 PT. ATLAS OLAHASATTA 200-442 04



LEGEND

- △ Existing Triangulation Point
- GPS Point
- Existing Bench Mark
- Spot height
- ~ River
- ▭ Concrete Building (more than 4th floor)
- ▭ House
- ▭ Mosque
- ▭ Church
- ⊗ Hospital
- ▭ School
- △ Government Office
- Road
- Path
- Bridge
- Railway
- △ Station
- Electric Power Line
- ▨ Cutting and Embankment
- ▨ Swamp
- ~ Water grass
- ↑ Christian cemetery
- ~ Ohness graves
- ~ Paddy field
- ~ Boundary of Vegetation
- ∇ Field
- Forest
- ∇ Grass
- Water hole
- Pond, lake
- ~ Sand
- ~ Land Slide



X, Y : Beasil UTM Zone 48
 H : Mean sea level (TTG)

Index contour : 10 meter
 Main contour : 2 meter
 Supplemental contour : 1 meter
 Aerial photography : 1:20,000 May 1994

MINISTRY OF PUBLIC WORKS
 DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT
 CRUKUNG OSAJANE RIVER BASIN DEVELOPMENT PROJECT
 THE STUDY ON COMPREHENSIVE RIVER WATER MANAGEMENT PLAN IN JABOTABEK

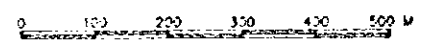
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Date	6-3-94	6-2-94	5-2-94	1-2-94	1-2-94
Checked by	Sumarto	Sumarto	E. Ima	Sumarto	Sumarto
Signature	(Signature)	(Signature)	(Signature)	(Signature)	(Signature)

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 P.T. ARAS BELASATYA

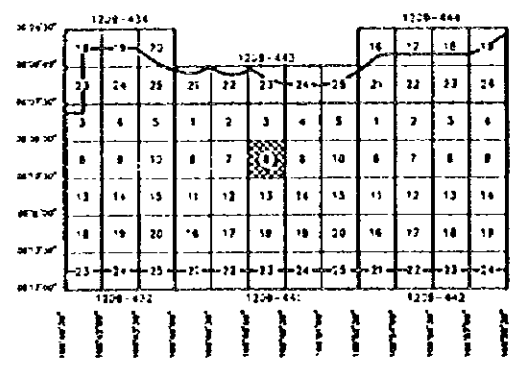


SCALE 1:5000



LEGEND

- △ Existing Triangulation Point
- GPS Point
- Existing Bench Mark
- Spot Height
- ~ River
- ▭ Concrete Building (non-barak-barak)
- ◻ House
- ⊕ Mosque
- ⊕ Church
- ⊕ Hospital
- ⊕ School
- ⊕ Government Office
- ▭ Pond
- Path
- ≡ Bridge
- ≡ Railway
- ⊕ Station
- Electric Power Line
- ▭ Cutting and Embankment
- ▭ Swamp
- ⊕ Moslem graves
- ⊕ Christian cemetery
- ⊕ Chinese graves
- ⊕ Paddy field
- Boundary of Vegetation
- ∇ Field
- ▭ Forest
- ▭ Grass
- Water hole
- Pond, lake
- ▭ Sand
- ▭ Land Slide



X, Y : Base of UTM Zone 48
N : Mean sea level (MSL)

Index contour : 10 meter
Main contour : 2 meter
Supplemental contour : 1 meter
Aerial photography : 1:20,000
May 1994

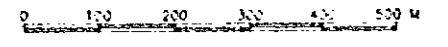
MINISTRY OF PUBLIC WORKS
DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT
CISADANE RIVER BASIN DEVELOPMENT PROJECT
THE STUDY ON COMPREHENSIVE RIVER WATER MANAGEMENT PLAN IN JABOTABEK

Drawing Title : **TOPOGRAPHIC MAP**

Created By	Approved By	Date	Scale
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	6-2-98	1:5000
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	6-2-98	1:5000
JICA JAPAN INTERNATIONAL COOPERATION AGENCY		PT. ATLAS DELTASATYA	

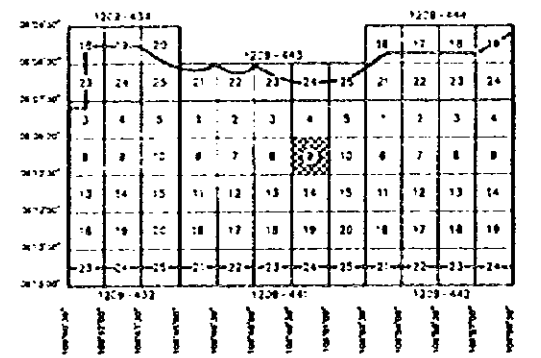


SCALE 1 : 5000



LEGEND

- △ Existing Triangulation Point
- GPS Point
- Existing Bench Mark
- Spot Height
- ▬ River
- ▭ Concrete Building (more than 4m high)
- ▭ House
- ▭ Mosque
- ▭ Church
- ▭ Hospital
- ▭ School
- ▭ Government Office
- ▭ Field
- ▭ Path
- ▭ Bridge
- ▭ Railway
- ⊙ Station
- Electric Power Line
- ▭ Cutting and Embankment
- ▭ Swamp
- ▭ Moslem graves
- ▭ Christian cemetery
- ▭ Chinese graves
- ▭ Paddy field
- ▭ Boundary of Vegetation
- ▭ Field
- ▭ Forest
- ▭ Grass
- Water Hole
- ▭ Pond, Lake
- ▭ Sand
- ▭ Land Slide



X, Y : Base of UTM Zone 48
H : Mean sea level (TTO)

Index contour : 10 meter
Main contour : 2 meter
Supplemental contour : 1 meter
Aerial photography : 1:20,000 May 1994

MINISTRY OF PUBLIC WORKS
DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT
CILIKUNG OSADANE RIVER BASIN DEVELOPMENT PROJECT
THE STUDY ON COMPREHENSIVE RIVER WATER MANAGEMENT PLAN IN JABOTABEK

Drawn To: **TOPOGRAPHIC MAP**

Checked by	Approved by	Field Survey '88 On
Signature	Signature	Signature
Date	Date	Date

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
PE ARAS DELTASATIA 1229-441 08



SCALE 1 : 5 000



LEGEND

- △ Existing Triangulation Point
- ⊙ GPS Point
- ⊠ Existing Bench Mark
- Spot Height
- ~ River
- ▭ Concrete Building (more than 4m floor)
- ▭ House
- ⊕ Mosque
- ⊕ Church
- ⊕ Hospital
- ⊕ School
- ⊕ Government Office
- ▭ Pond
- ▭ Path
- ▭ Bridge
- ▭ Railway
- ⊕ Station
- ▭ Electric Power Line
- ▭ Cutting and Embankment
- ▭ Swamp
- ⊕ Muslim graves
- ⊕ Christian cemetery
- ⊕ Chinese graves
- ▭ Paddy field
- ▭ Boundary of vegetation
- ▭ Field
- ▭ Forest
- ▭ Grass
- ⊕ Water hole
- ⊕ Pond, lake
- ▭ Sand
- ▭ Landslide

1228-424	1228-425	1228-426	1228-427	1228-428	1228-429	1228-430	1228-431	1228-432	1228-433	1228-434	1228-435	1228-436	1228-437	1228-438	1228-439	1228-440
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18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
1228-424	1228-425	1228-426	1228-427	1228-428	1228-429	1228-430	1228-431	1228-432	1228-433	1228-434	1228-435	1228-436	1228-437	1228-438	1228-439	1228-440

X, Y : Base 1974 Zone 48
N : Mean sea level (TTC)

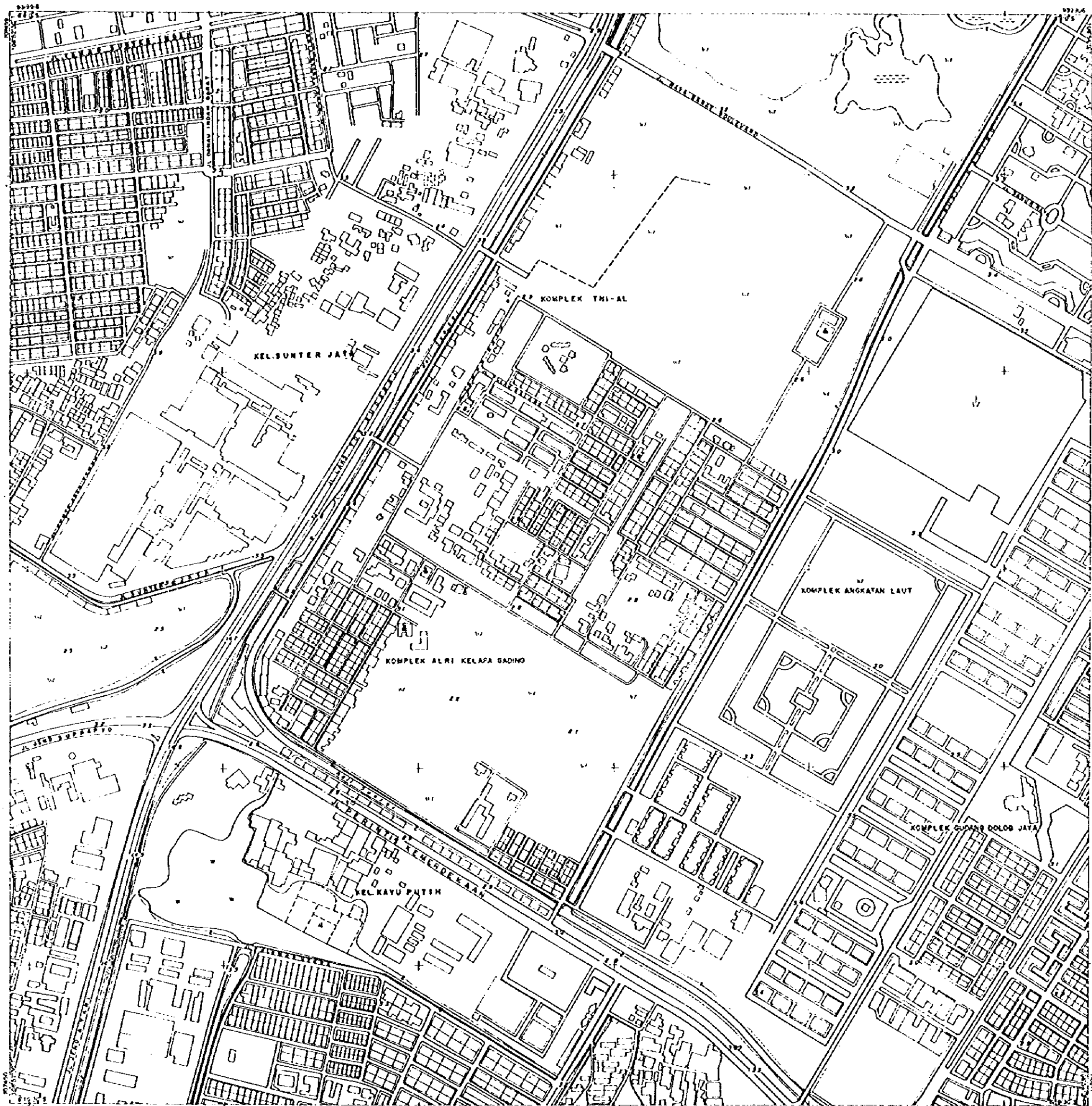
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Main contour : 2 meter
Supplemental contour : 1 meter
Aerial photography : 1:20,000
May 1994

MINISTRY OF PUBLIC WORKS
DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT
CILIMUNG DASARINE RIVER BASIN DEVELOPMENT PROJECT

THE STUDY ON COMPREHENSIVE RIVER WATER MANAGEMENT PLAN IN JABOTABEK

Drawing Title: **TOPOGRAPHIC MAP**

Drawn by	Checked by	Approved by	Field Survey No. 08
Signature	Signature	Signature	Scale 1:5000
Date	Date	Date	Plotting 95.10
			Field Drawing 96.08
JICA JAPAN INTERNATIONAL COOPERATION AGENCY		PZ ARAS COLABATYA 1228-441	

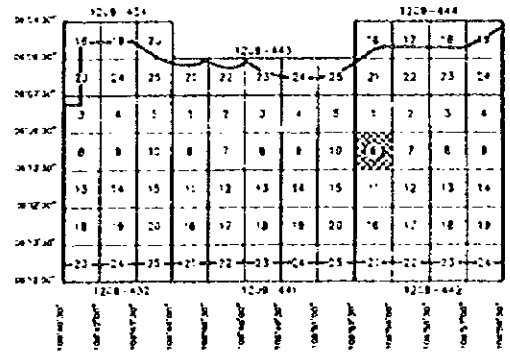


SCALE 1:5000



LEGEND

- ▲ Existing Irrigation Feat. ⚙ Station
- ⊙ GPS Feat. ⚡ Electric Power Line
- ▣ Existing Earth Work ⚙ Cutting and Embankment
- Spot height ⚙ Swamp
- ⚡ River ⚙ Moser grass
- ▣ Concrete Building (more than 4th floor) ⚙ Christian cemetery
- ▣ House ⚙ Chinese grass
- ⚙ Mosque ⚙ Paddy field
- ⚙ Church ⚙ Boundary of Vegetation
- ⚙ Hospital ⚙ Field
- ⚙ School ⚙ Forest
- ⚙ Government Office ⚙ Cross
- ⚙ Road ⚙ Water Hole
- ⚙ Rd. ⚙ Pond, lake
- ⚙ Bridge ⚙ Sand
- ⚙ Railway ⚙ Land Slide



X, Y : Bessel UTM Zone 48
 T : Mean sea level (TIGI)

Index contour : 10 meter
 Vich contour : 2 meter
 Supplemental contour : 1 meter
 Horizontal photography : 1:20 000
 May 1994

MINISTRY OF PUBLIC WORKS
 DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT
 CLIKUNG OSADANE RIVER BASIN DEVELOPMENT PROJECT
 THE STUDY ON COMPREHENSIVE RIVER WATER MANAGEMENT PLAN IN JABOTABEK

Drawing Title: **TOPOGRAPHIC MAP**

Checked by	Approved by	Field Survey '85 '86
Signature	Signature	Signature
Date	Date	Date

JICA JAPAN INTERNATIONAL COOPERATION AGENCY PPL. ARIAS DELTASATIA

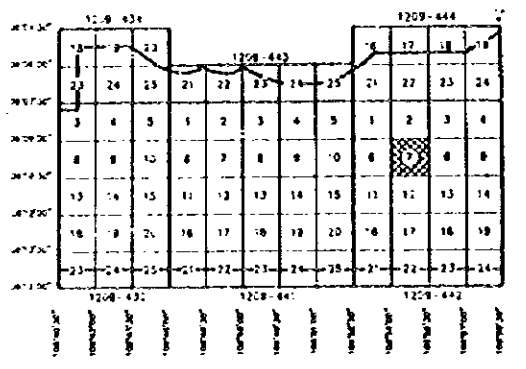


SCALE 1:5000



LEGEND

- ▲ Existing Triangulation Point
- ⊙ GPS Point
- ⊠ Existing Bench Mark
- Spot Height
- ▬ River
- ▭ Concrete Building (more than 40 floor)
- House
- ⊞ Mosque
- ⊞ Church
- ⊞ Hospital
- ⊞ School
- ⊞ Government Office
- ▬ Pool
- ▬ Path
- ▬ Bridge
- ▬ Railway
- ⊞ Station
- ▬ Electric Power Line
- ▬ Cutting and Embankment
- ▬ Swamp
- ⊞ Moslem graves
- ⊞ Christian cemetery
- ⊞ Chinese graves
- ▬ Paddy field
- ▬ Boundary of Vegetation
- ▬ Field
- ▬ Forest
- ▬ Grass
- ⊞ Water hole
- ⊞ Ponds, lake
- ▬ Sand
- ▬ Long Side



X, Y : Bessel UTM Zone 48
 n : Mean sea level (TTG)

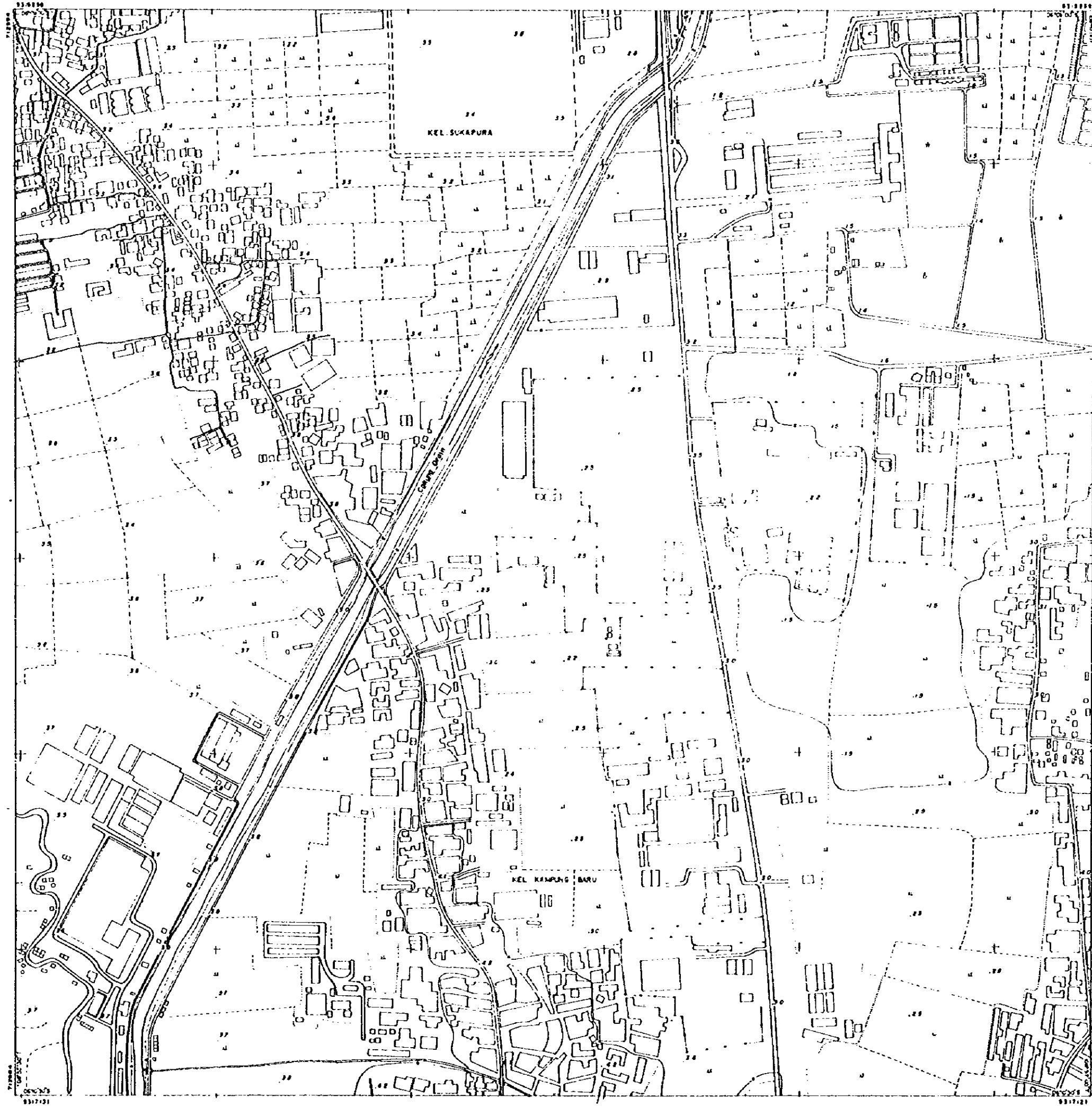
Index contour : 10 meter
 Main contour : 2 meter
 Supplemental contour : 1 meter
 Aerial photography : 1:20,000
 May 1994

MINISTRY OF PUBLIC WORKS
 DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT
 CILIKUNG OSADANE RIVER BASIN DEVELOPMENT PROJECT
 THE STUDY ON COMPREHENSIVE RIVER WATER MANAGEMENT PLAN IN JABOTABEK

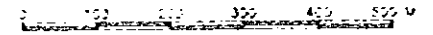
Drawing Title: **TOPOGRAPHIC MAP**

Drawn by:	Checked by:	Approved by:	Field Survey 94.08
Name: <i>[Signature]</i>	Name: <i>[Signature]</i>	Name: <i>[Signature]</i>	Field No. 95.10
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Plotting: 95.10
Date: 20-7-94	Date: 20-7-94	Date: 12-7-94	Date: 20-7-94

JICA JAPAN INTERNATIONAL COOPERATION AGENCY **PE. ARAS GOLTARITA**



SCALE 1:5000



LEGEND

- △ Existing Irrigation Port
- GPS Point
- Existing Bench Mark
- Spot height
- ~ River
- ▭ Concrete Building (more than 40sq)
- ▭ House
- ▭ Mosque
- ▭ Church
- ⊙ School
- ▭ Government Office
- Road
- Path
- Bridge
- Railway
- △ Station
- Electric Power Line
- ▭ Cutting and Embankment
- ▭ Swamp
- ▭ Water grass
- Christian cemetery
- Chinese graves
- ▭ Paddy field
- Boundary of Vegetation
- ▭ Field
- ▭ Forest
- ▭ Grass
- Aster hole
- Pond, lake
- ▭ Sand
- ▭ Land slide

1208-430										1208-440													
1208-432					1208-434					1208-436					1208-438								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

K, Y : Based UTM Zone 48
N : Mean sea level (TTC)

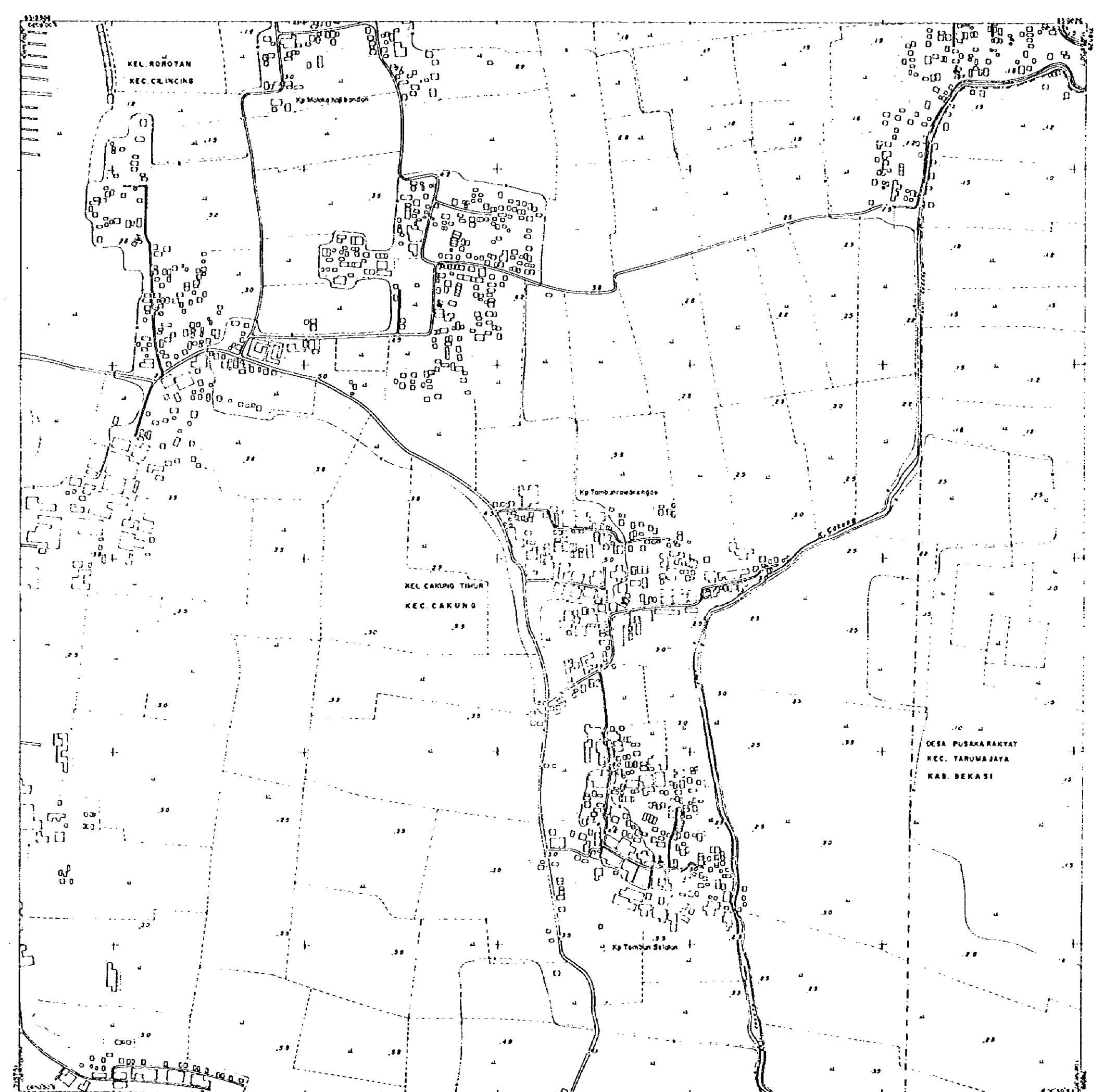
Index contour : 10 meter
Main contour : 2 meter
Supplemental contour : 1 meter
Aerial photography : 1:20,000
May 1994

MINISTRY OF PUBLIC WORKS
DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT
CUMUNG CIGADANE RIVER BASIN DEVELOPMENT PROJECT

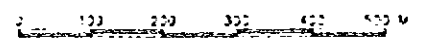
THE STUDY ON COMPREHENSIVE RIVER WATER
MANAGEMENT PLAN IN JABOTABEK

TOPOGRAPHIC MAP

Checked by	Approved by	Field Survey 94.09
Name	Name	Name
Signature	Signature	Signature
Date	Date	Date
JICA JAPAN INTERNATIONAL COOPERATION AGENCY		PE AWAR DELTASATVA



SCALE 1:5000



LEGEND

- △ Existing Triangulation Point
- IBS Point
- Existing Survey Mark
- Spot Height
- ~ River
- ▭ Concrete Building (more than 4m x 4m)
- House
- ⊕ Mosque
- ⊕ Church
- ⊕ Hospital
- ⊕ School
- ⊕ Government Office
- Road
- Path
- Bridge
- Railway
- Station
- Electric Power Line
- Cutting and Embankment
- Swamp
- ⊕ Moslem graves
- ⊕ Christian cemetery
- ⊕ Chinese graves
- ⊕ Paddy field
- Boundary of Vegetation
- Field
- Forest
- Gross
- Water table
- Pond, lake
- Sand
- Land Slide

	1228-434					1228-442					1228-448				
1228-428	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1228-432	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1228-436	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1228-440	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
1228-444	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1228-448	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1228-452	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42

X, Y : Base of UTM Zone 48
 n : Mean sea level (TTG)

- Index contour : 10 meter
- Main contour : 2 meter
- Supplemental contour : 1 meter
- Aerial photography : 1:20,000 May 1974

MINISTRY OF PUBLIC WORKS
 DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT
 GUNUNG DASAREH RIVER BASIN DEVELOPMENT PROJECT

THE STUDY ON COMPREHENSIVE RIVER WATER MANAGEMENT PLAN IN JABOTABEK

Drawn by: **TOPOGRAPHIC MAP**

Drawn by	Checked by	Approved by	Date
Sugeng	Sudono	S. Sudono	12-1-76
Syaiful	Wahono	S. Wahono	12-1-76
Edi	Edi	Edi	12-1-76

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