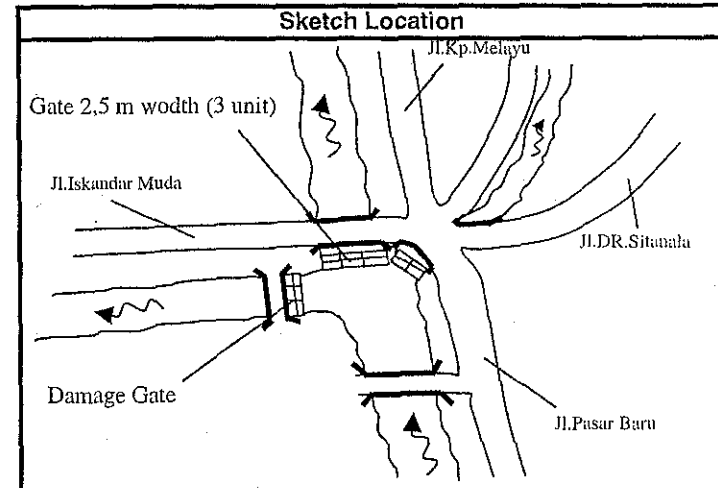
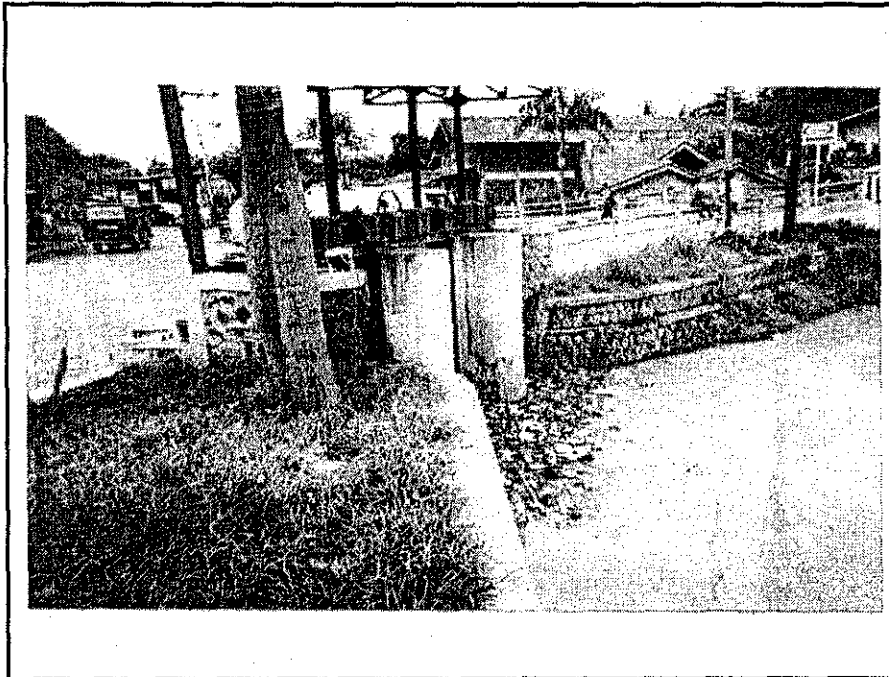


DOCUMENTATION OF PUMP AND GATE SURVEY 2003

Name of River / Canal	: Simpang Tujuh Gate	Date of Survey	: 22-03-2003
Location	: Kel.Mekarsari,Tangerang	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		



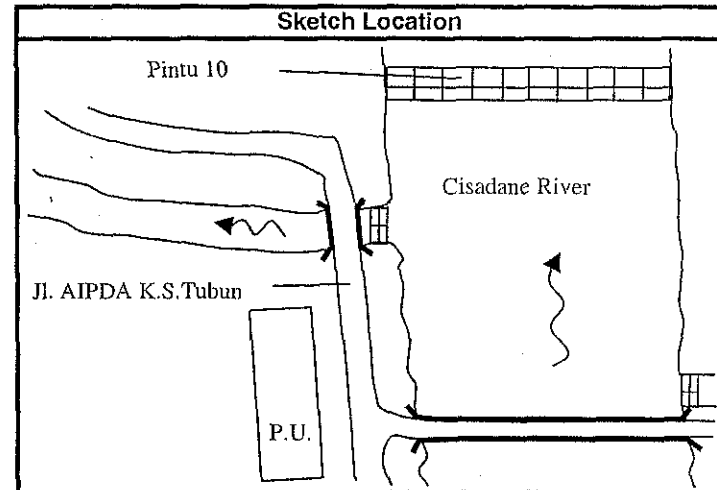
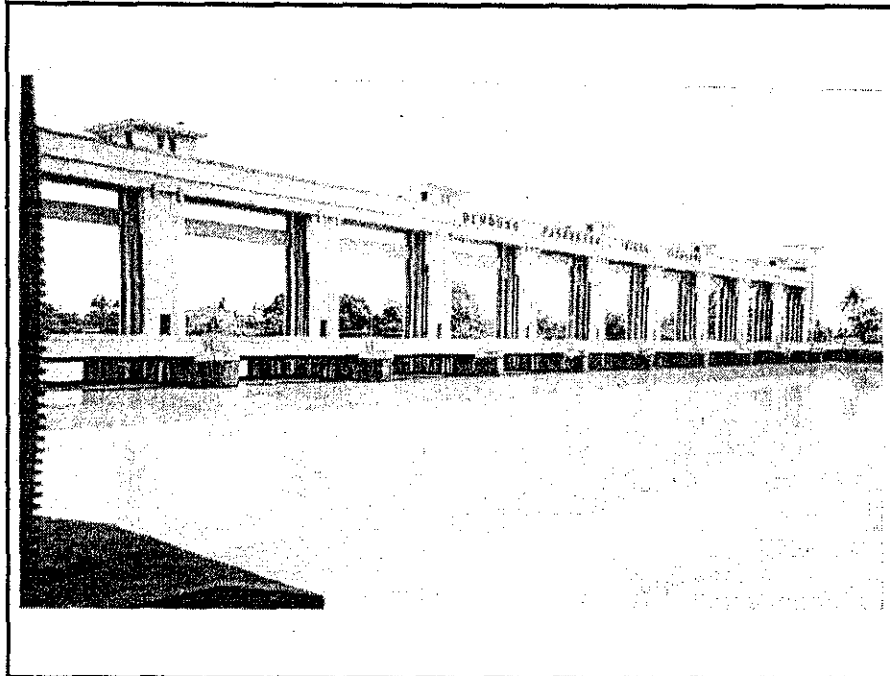
Dimension of Canal / Structure

Remarks :

- Gate is operates under PSDA Tangerang, operate manually.
- From 3 gate ,one gate is not working.
- The facilities are operated by PSDA Tangerang.

DOCUMENTATION OF PUMP AND GATE SURVEY 2003

Name of River / Canal	: Pintu 10	Date of Survey	: 22-03-2003
Location	: Kel.Koang Jaya, Tangerang	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		



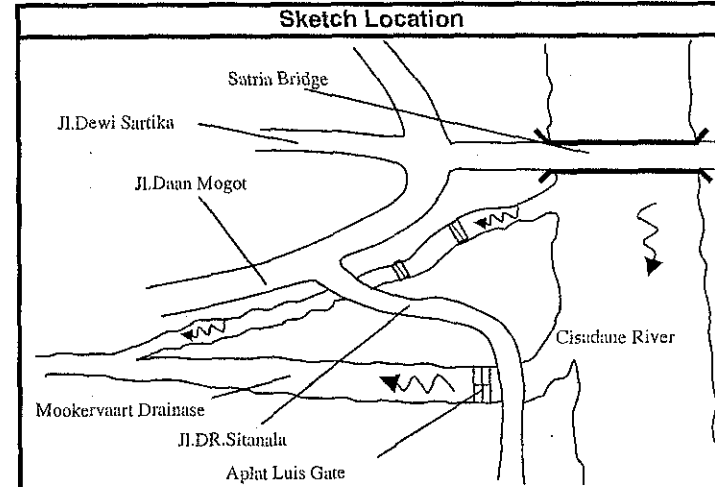
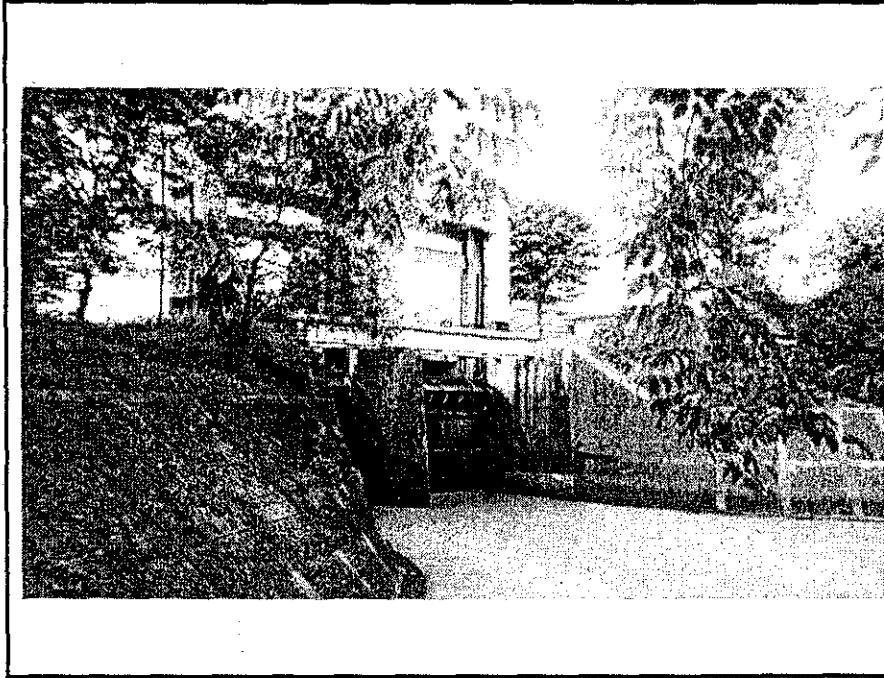
Dimension of Canal / Structure

Remarks :

- Flood gate equipped with AWLR and warning system provided, operated under PSDA Tangerang.
- Part of machine are not function and leakes on some gates

DOCUMENTATION OF PUMP AND GATE SURVEY 2003

Name of River / Canal	: Aplat Luis Gate	Date of Survey	: 22-034-2003
Location	: Kel.Sukarasa, Tangerang	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		



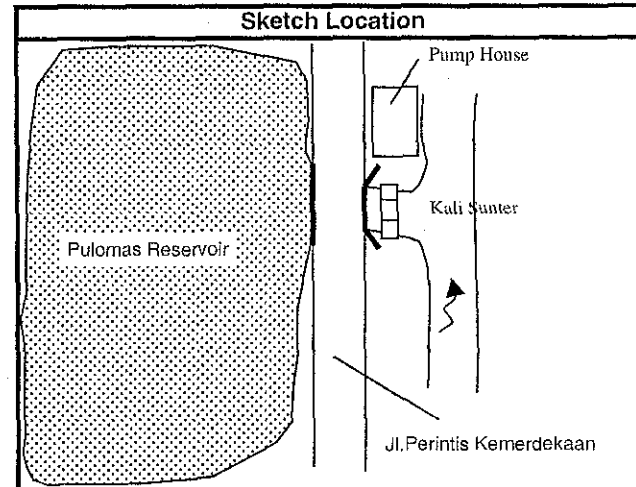
Dimension of Canal / Structure

Remarks :

- Flood gate in good function (new repaired machine) not open in rainy season to protect Jakarta from flood, operate under PSDA Tangerang.
- Need maintenance to clear, debris from font of gate.

DOCUMENTATION OF PUMP AND GATE SURVEY 2003

Name of River / Canal	: Kali Sunter	Date of Survey	: 24-02-2003
Location	: Pulomas Reservoir	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		



Dimension of Canal / Structure

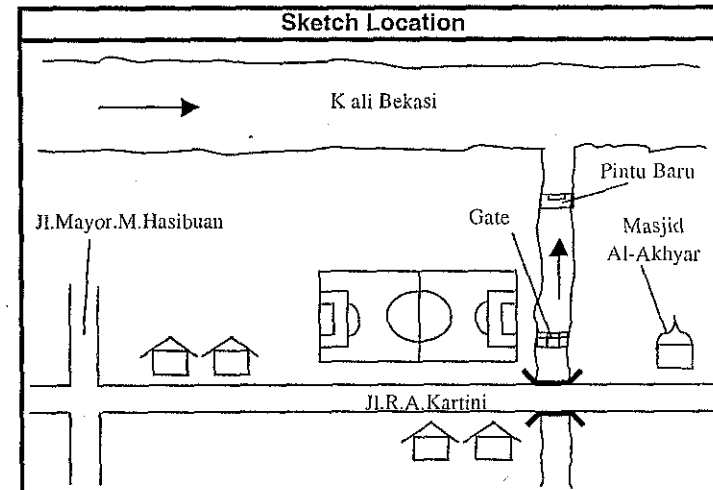
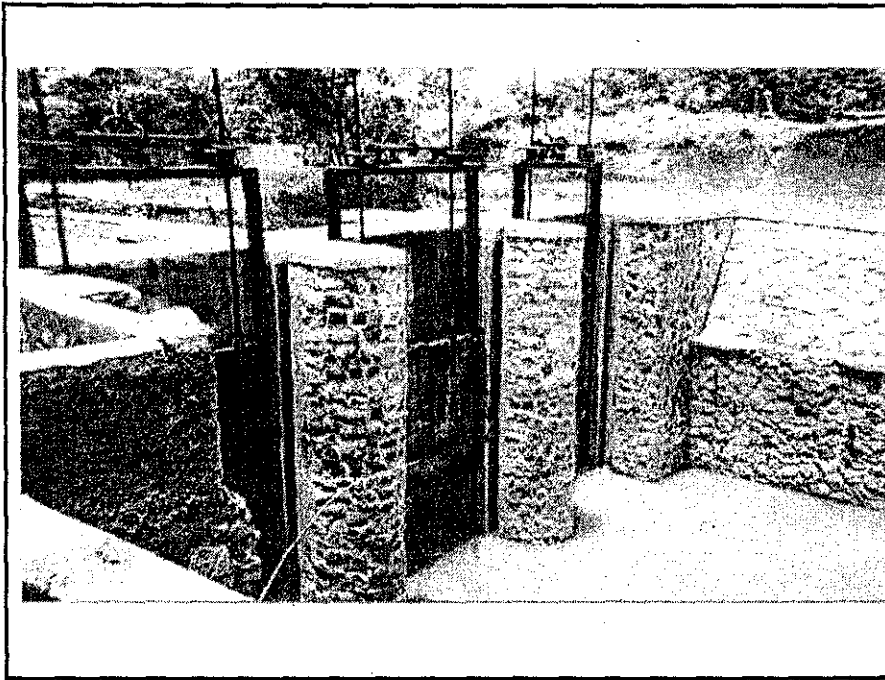
(This section is currently blank for data entry.)

Remarks :

- Increase sediment occurred in Pulomas reservoir, with accumulated of large number debris and garbage.
- This station will reduce retention capacity of reservoir and increase the flood area

DOCUMENTATION OF PUMP AND GATE SURVEY 2003

Name of River / Canal	: Kartini Gate - Bekasi	Date of Survey	: 24-03-2003
Location	: Kel.Margahayu Bekasi Muni.	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		



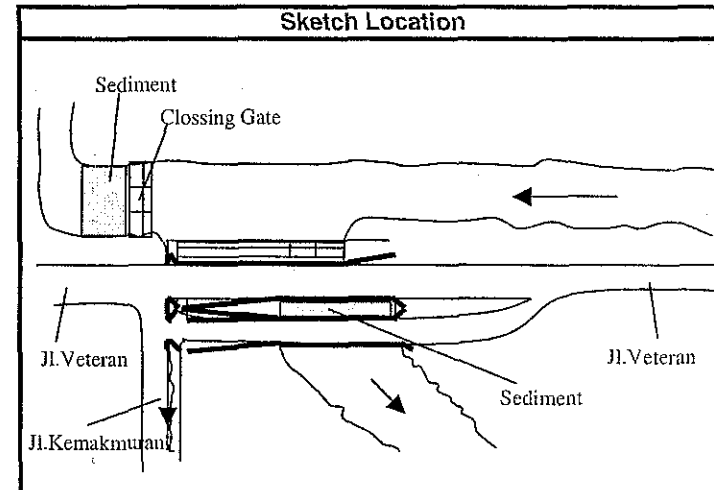
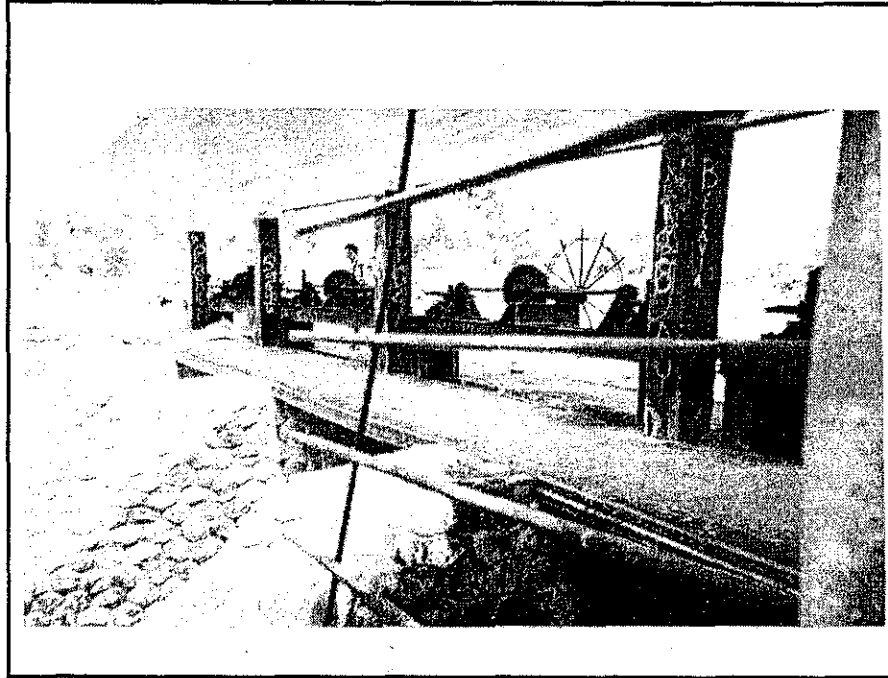
Dimension of Canal / Structure

Remarks :

- Gate operates in manual ,infungtion recently propided with new gate, not handing over yet.
Normal depth 1 m,dyke 6 m height operated by PU - Bekasi District.

DOCUMENTATION OF PUMP AND GATE SURVEY 2003

Name of River / Canal : City Drainase Date of Survey : 24-03-2003
 Location : Kel.Margajaya, Bekasi Muni. Filled by : PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
 No. of Picture :
 Title :



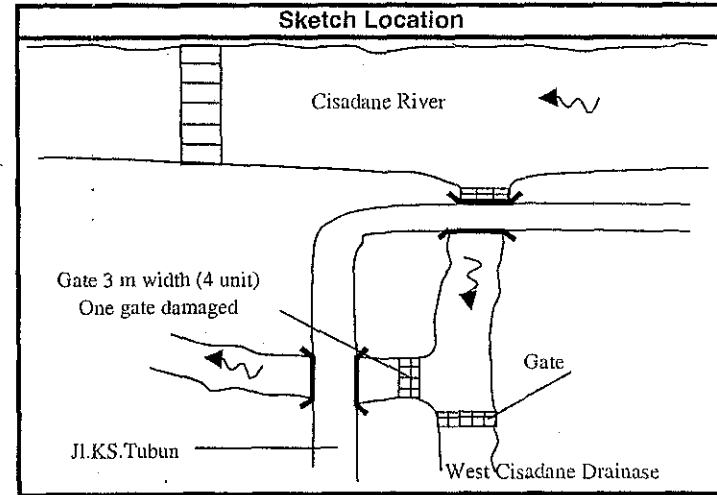
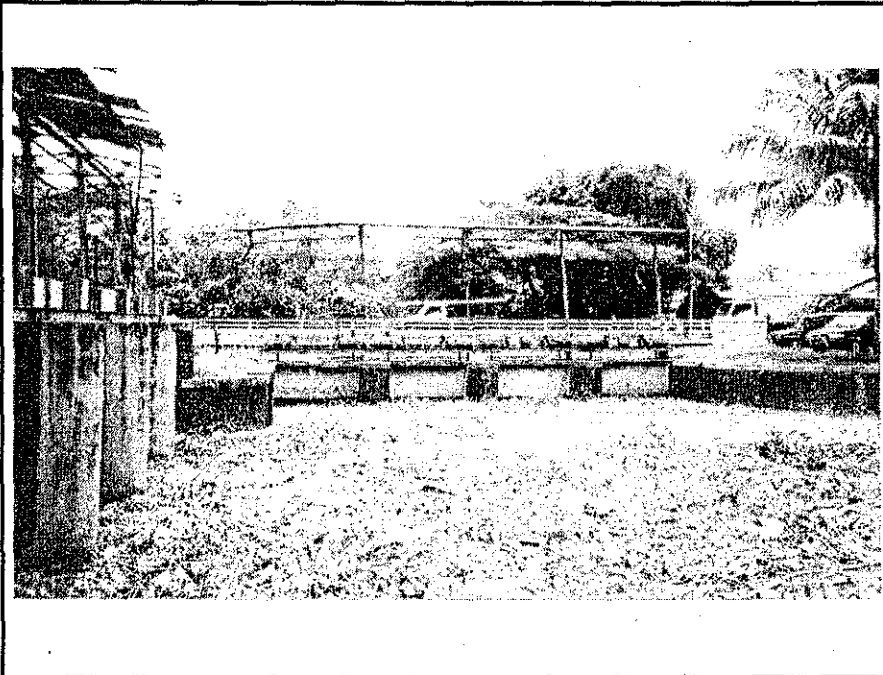
Dimension of Canal / Structure

Remarks :

- The gates operates manually and in working condition under PSDA Bekasi.

DOCUMENTATION OF PUMP AND GATE SURVEY 2003

Name of River / Canal : West Cisadane Drainase Date of Survey : 25-03-2003
Location : Kel.Koang, Tangerang Filled by : PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture :
Title :



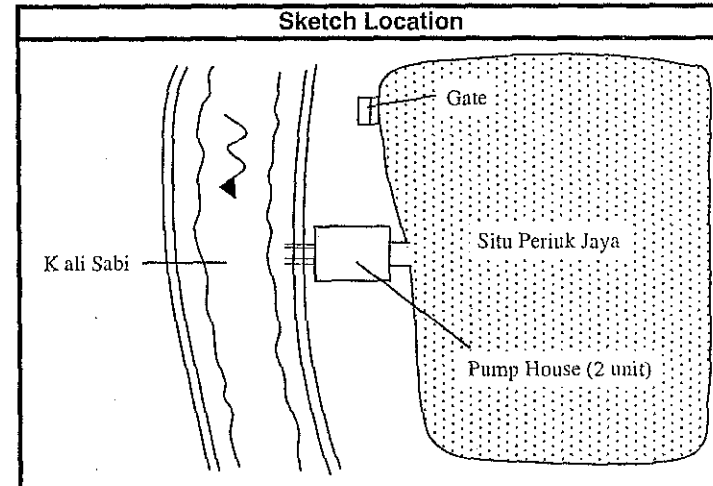
Dimension of Canal / Structure

Remarks :

- From 3 gates, one gates is not working.
- Gate houses are damaged, equipped with level scaled measurement.

DOCUMENTATION OF PUMP AND GATE SURVEY 2003

Name of River / Canal	: Situ Periuik Jaya	Date of Survey	: 25-03-2003
Location	: Periuk Jaya Housing Tangerang	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		



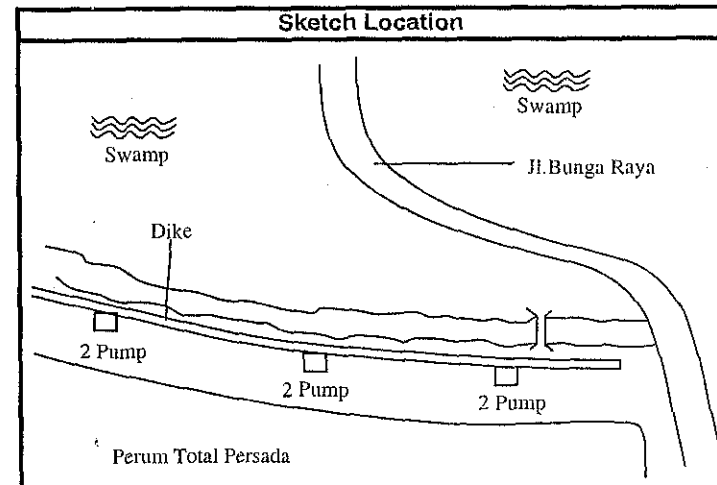
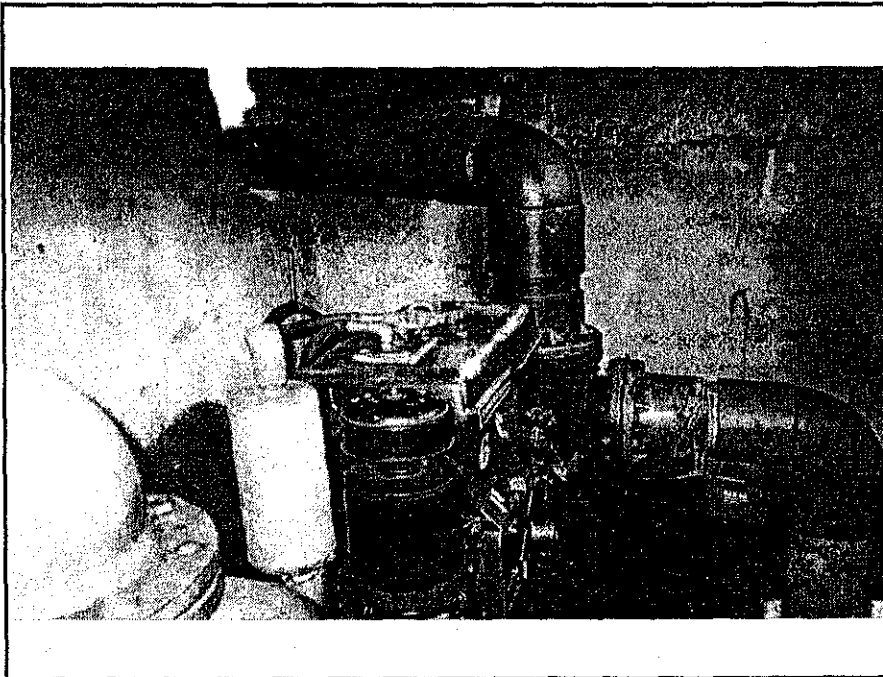
Dimension of Canal / Structure

Remarks :

- Residential Housing lies surrounding the lake, both elevation are under the river water level.
- The capacity of the pump 200 l/sec, but other facilities are damaged; suction pipe

DOCUMENTATION OF PUMP AND GATE SURVEY 2003

Name of River / Canal	: Kali Sabi	Date of Survey	: 25-03-2003
Location	: Perum.Total Persada	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		



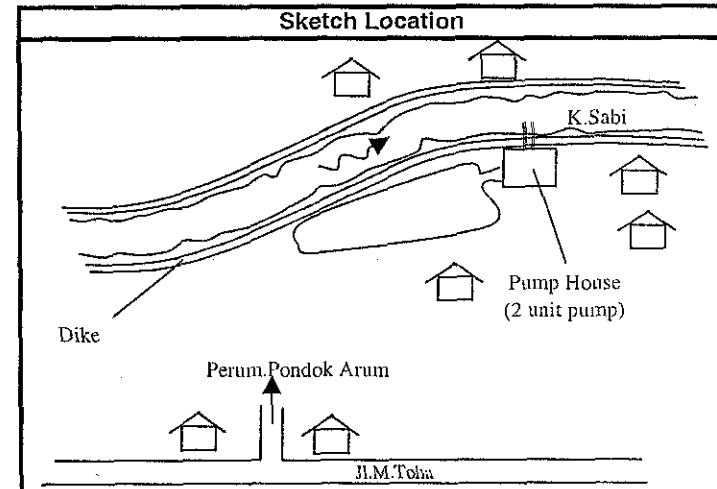
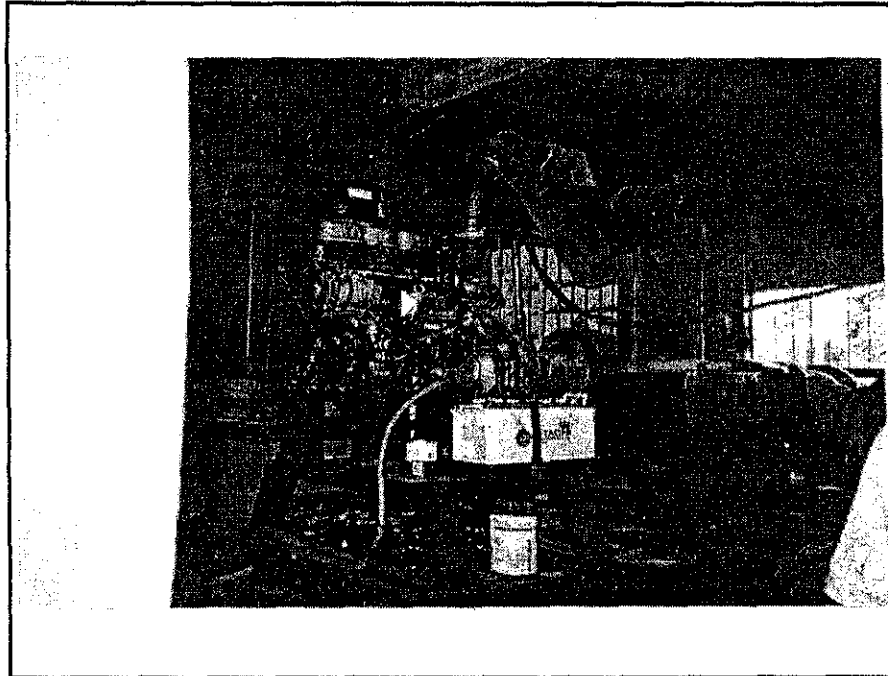
Dimension of Canal / Structure

Remarks :

Total 9 pumps in operation, 6 pumps own by total persada (develover)
 3 from Tangerang District.
 The pumps are operated by developer, to control in undation in housing estate.

DOCUMENTATION OF PUMP AND GATE SURVEY 2003

Name of River / Canal	: Pondok Arum Reservoir	Date of Survey	: 25-03-2003
Location	: Perum.Pondok Arum	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	: Kel.Nambo Jaya Tangerang		
Title	:		



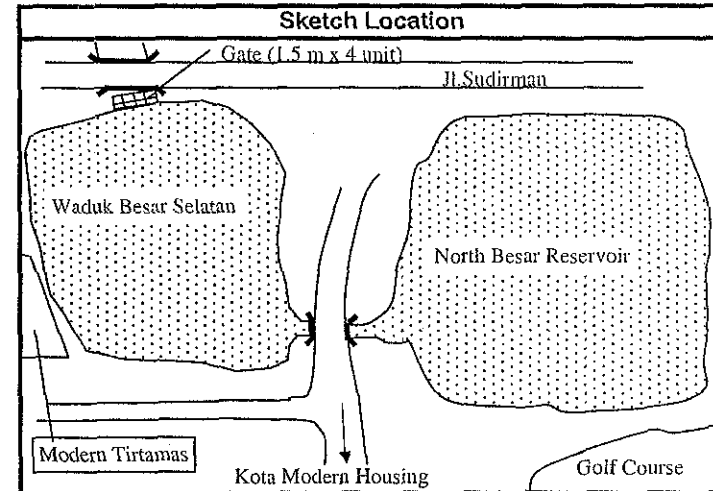
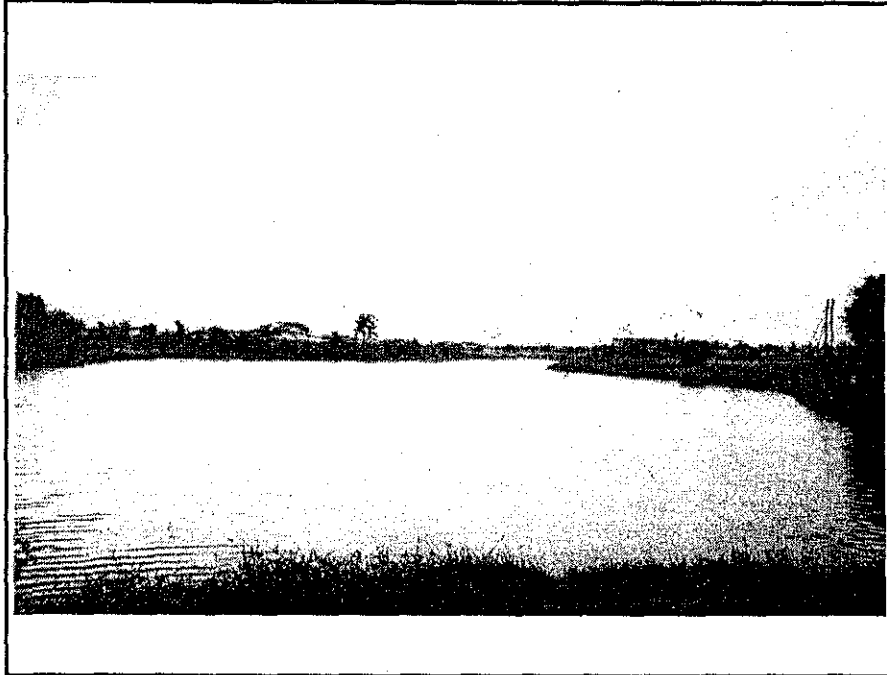
Dimension of Canal / Structure

Remarks :

- Two pumps are provided, one by electrical and by diesel.
- Pump are in working condition but minor repair is required from low maintenance.
- Operates under: PSDA Tangerang The capacity of the pumps are unknown

DOCUMENTATION OF PUMP AND GATE SURVEY 2003

Name of River / Canal	: Waduk Besar	Date of Survey	: 25-03-2003
Location	: Cikokol	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		



Dimension of Canal / Structure

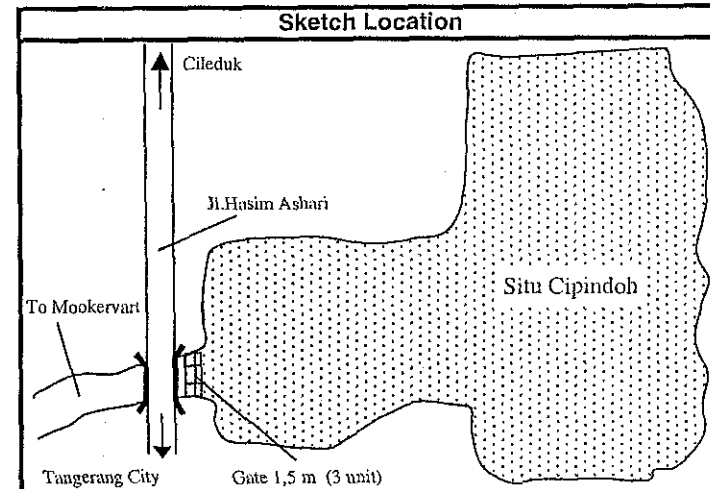
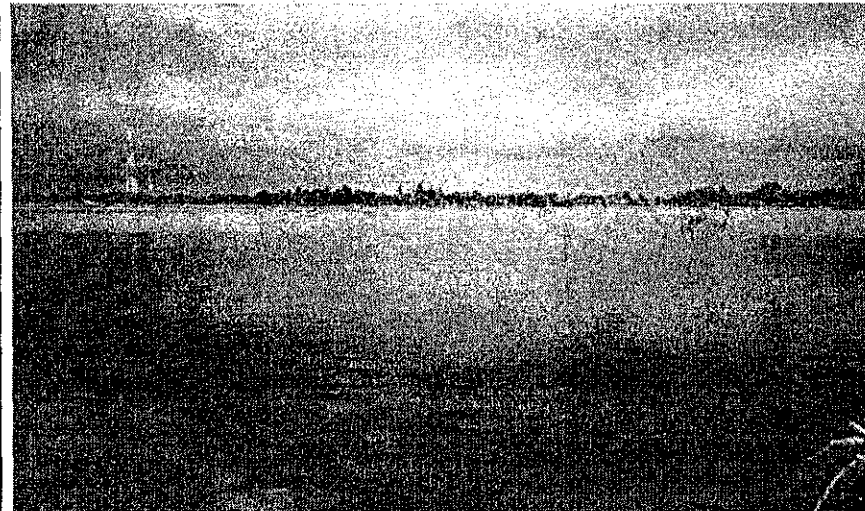
--	--

Remarks :

- Retention lakes for modern township, north lake 7 ha, south lake 4 ha with gate (4 gate .each 1.5 m width) operate by developer.
- The lakes can accommodate part of run of from township (65% developed)

DOCUMENTATION OF PUMP AND GATE SURVEY 2003

Name of River / Canal	: Situ Cipondoh	Date of Survey	: 25-03-2003
Location	: Cipondoh, Tangerang	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		



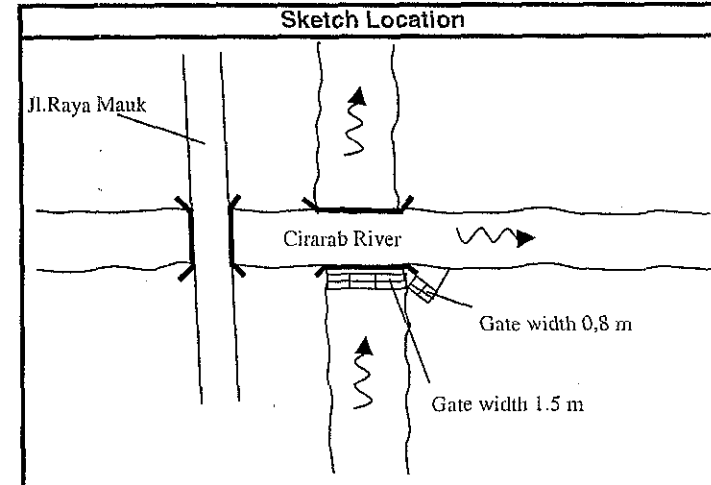
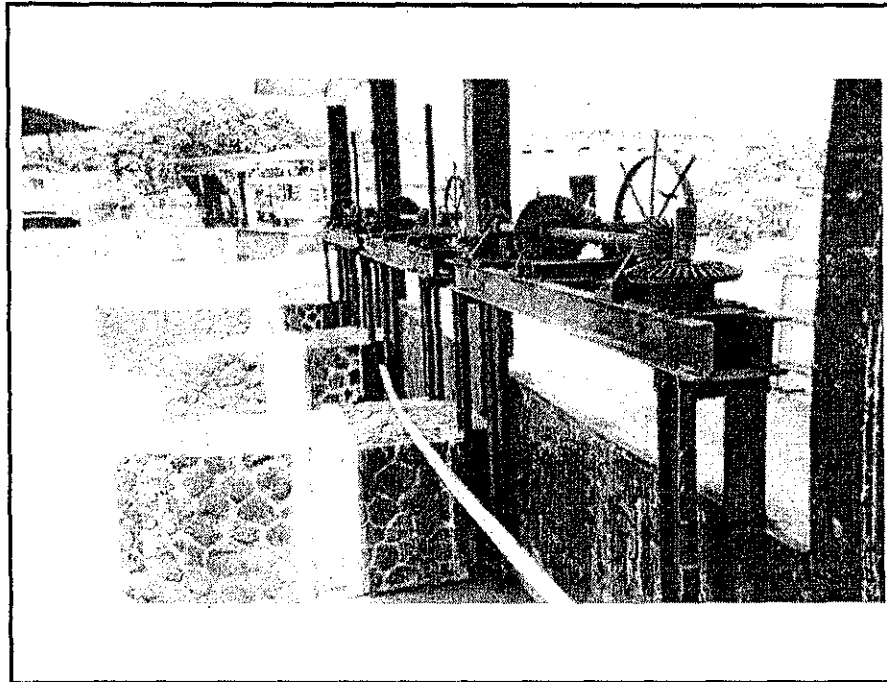
Dimension of Canal / Structure

Remarks :

- Situ (Lake) Cipondoh total area 125 Ha, gate is available but damaged (not working), in open position.
- Flood occurred annually to Cipondoh Indah property, with low damage impact from below 50 cm inundation during flood 2002.

DOCUMENTATION OF PUMP AND GATE SURVEY 2003

Name of River / Canal	: Kali Cirarab	Date of Survey	: 26-03-2003
Location	: Ds.Gintung, Kec.Sukadiri	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		



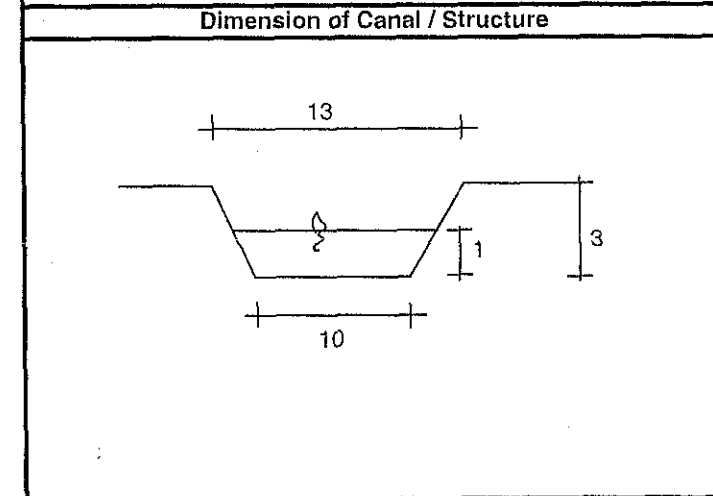
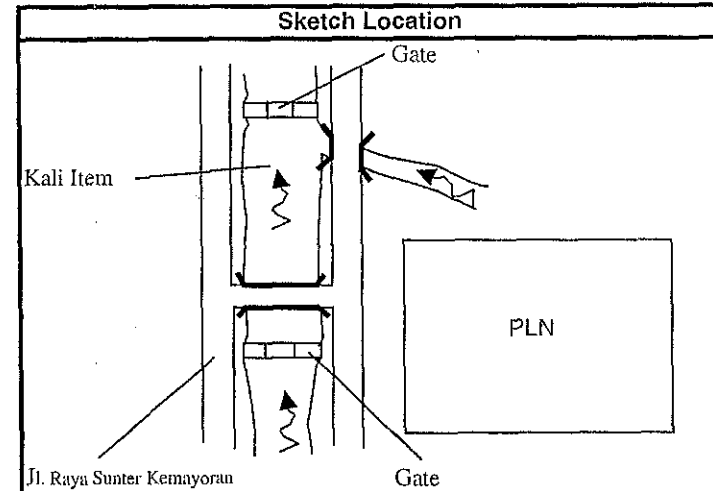
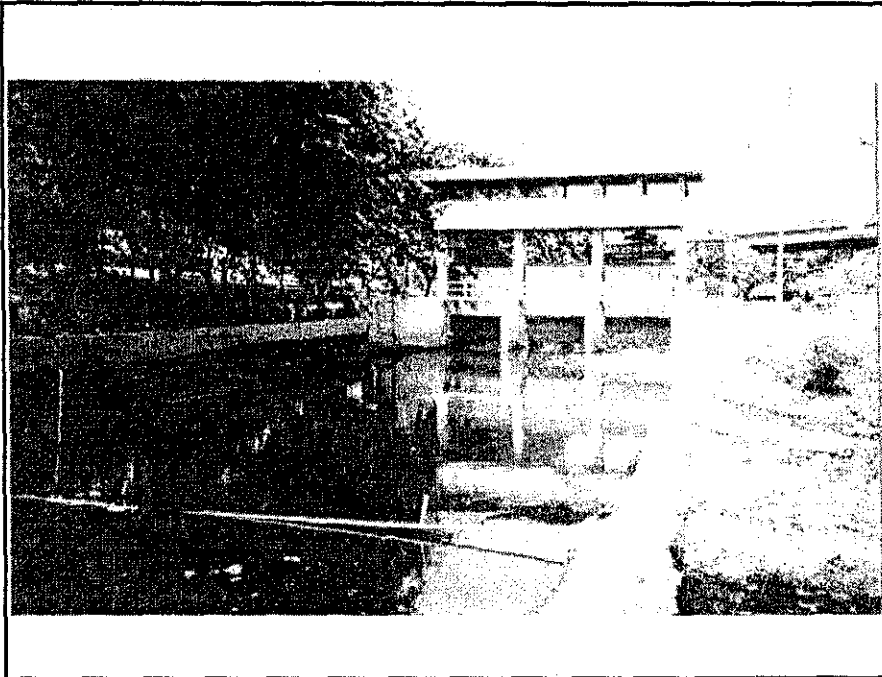
Dimension of Canal / Structure

Remarks :

- Gates is working, mainly use for irrigation from Cirarab river when rainy season.
- Gates are halfly closed, control by PSDA Tangerang, once a week.
- Debris in front of gate, sometime collected and throw to Cirarab river.

DOCUMENTATION OF PUMP AND GATE SURVEY 2003

Name of River / Canal	: Kali Item	Date of Survey	: 24-02-2003
Location	: Kel. Sumur Batu	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		

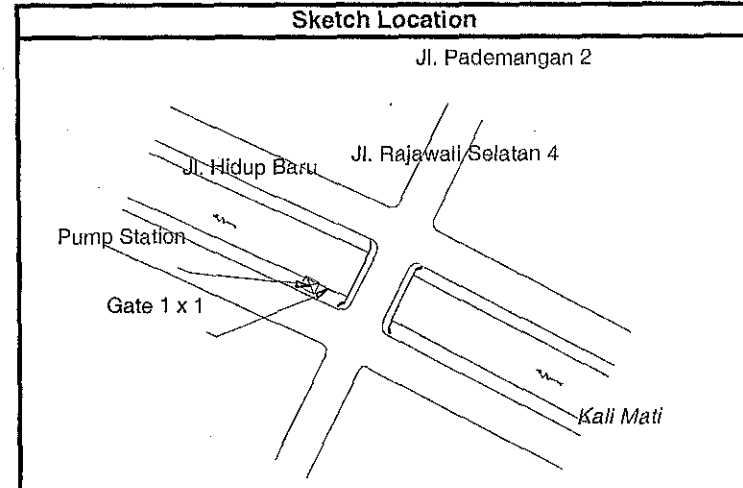
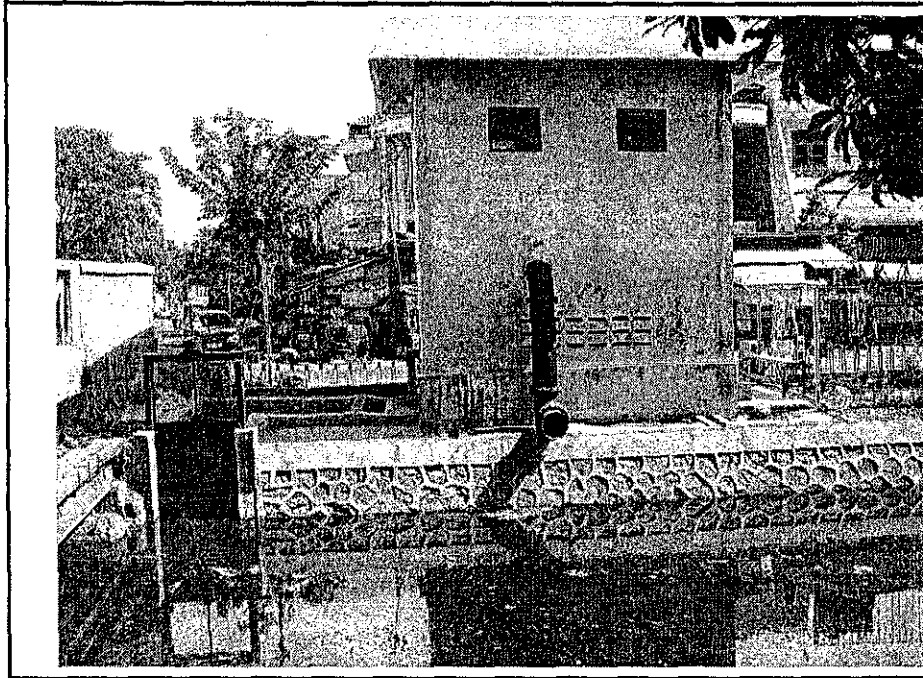


Remarks :

- Gates in working condition, electrically operated. some damages occurred in gate house.
 Need maintenance to clean up the garbage in front of gate, operated under PU - DKI JAKARTA.

DOCUMENTATION OF PUMP AND GATE SURVEY 2003

Name of River / Canal	: Rajawali Pump Station	Date of Survey	: 26-04-03
Location	: Kel. Kartini	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		



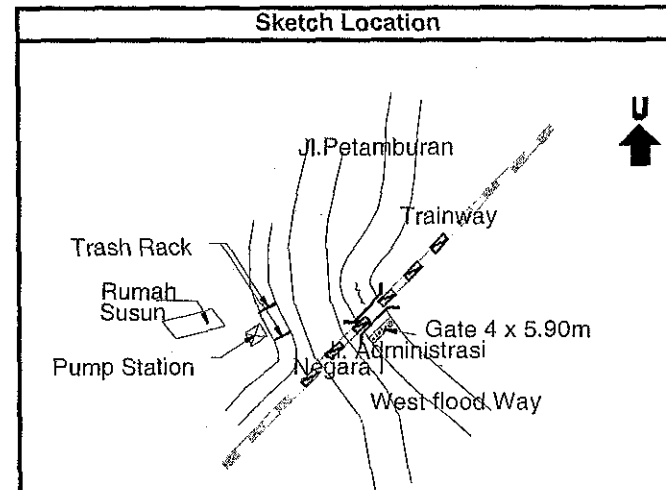
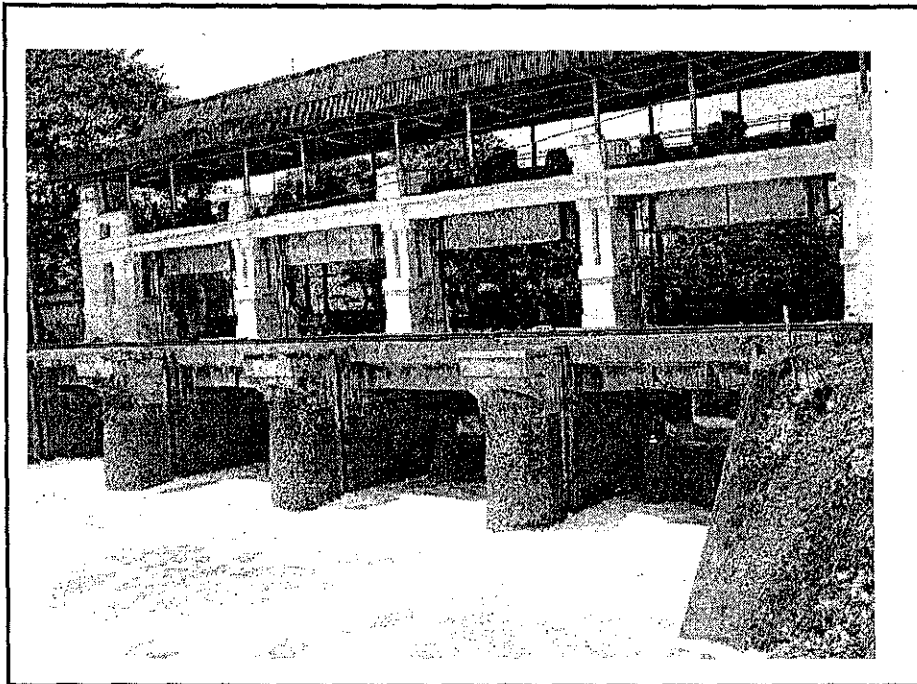
Dimension of Canal / Structure

Remarks :

- Use for urban drainage when flood inundated South Rajawali area; consist of 1 unit of pump with capacity 0.25 m³/sec. Completed construction in year 2002 .
- Operation trial during 2003, by private, not handing over yet to DKI Jakarta.
- The pump equipped with outlet gate and trash rack, but no staff/operation house allocated.

DOCUMENTATION OF PUMP AND GATE SURVEY 2003

Name of River / Canal	:	Jati Pinggir Gate and Pump	Date of Survey	:	26-04-03
Location	:	Petamburan, Centre Jakarta	Filled by	:	PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:			:	
Title	:			:	



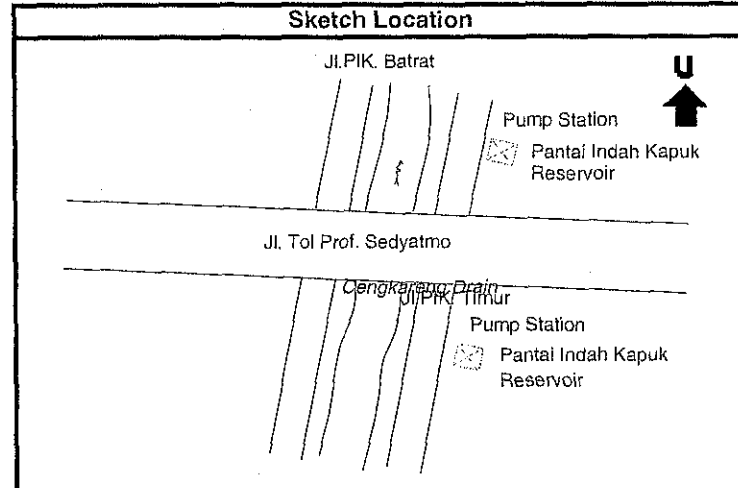
Dimension of Canal / Structure

Remarks :

- Good condition of pump operated with electrical power consist of 2 unit pump at each capacity 1m³/sec equipped with water level scale, trash racks not available and use for urban drain to flow to west floodway.
- Developed in year 2001, not in operation during flood 2002.
- Operated by private not handing over to PU-DKI Jakarta yet.
- Data capacity not available as operator not in place.

DOCUMENTATION OF PUMP AND GATE SURVEY 2003

Name of River / Canal	: Pantai Indah Kapuk Pump Sta.	Date of Survey	: 26-04-03
Location	: Kamal-West Jakarta	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		



Dimension of Canai / Structure

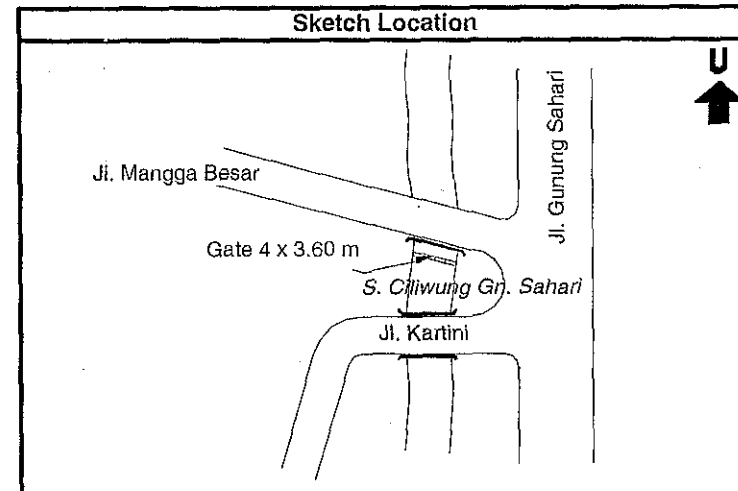
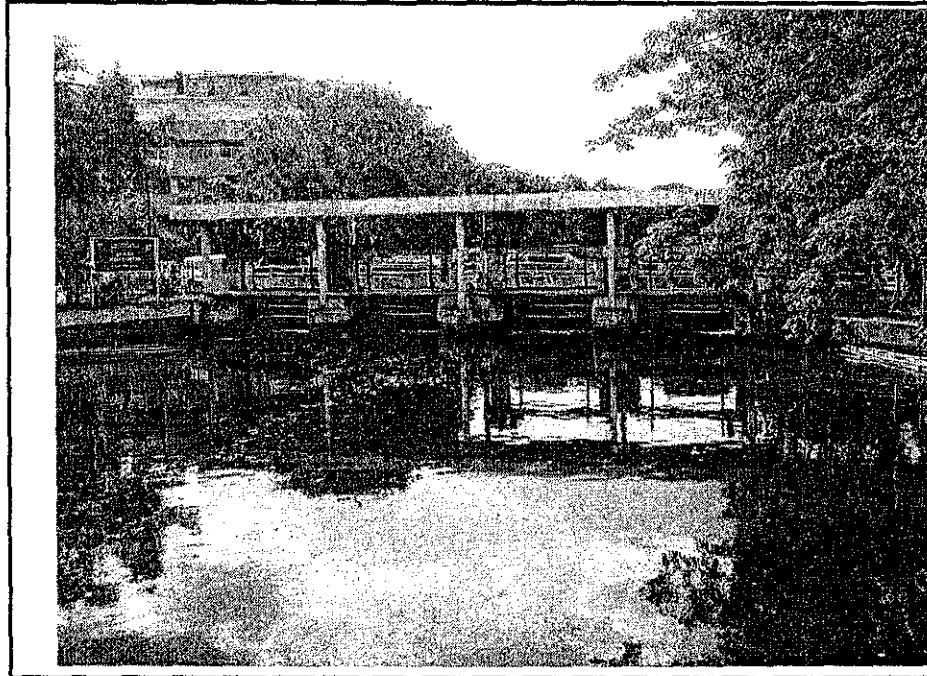
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Remarks :

- 2 Separate pump station (Pantai Indah Kapuk North and South reservoir) drain to Cengkareng drain .
- Now operaed by Pantai Indah Kapuk Developer ; not handing over yet to PU-DKI. Has been operator during flood 2002.

DOCUMENTATION OF PUMP AND GATE SURVEY 2003

Name of River / Canal	: Jembatan Merah Gate	Date of Survey	: 26-04-03
Location	: Kel. Kartini, Centre Jakarta	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		



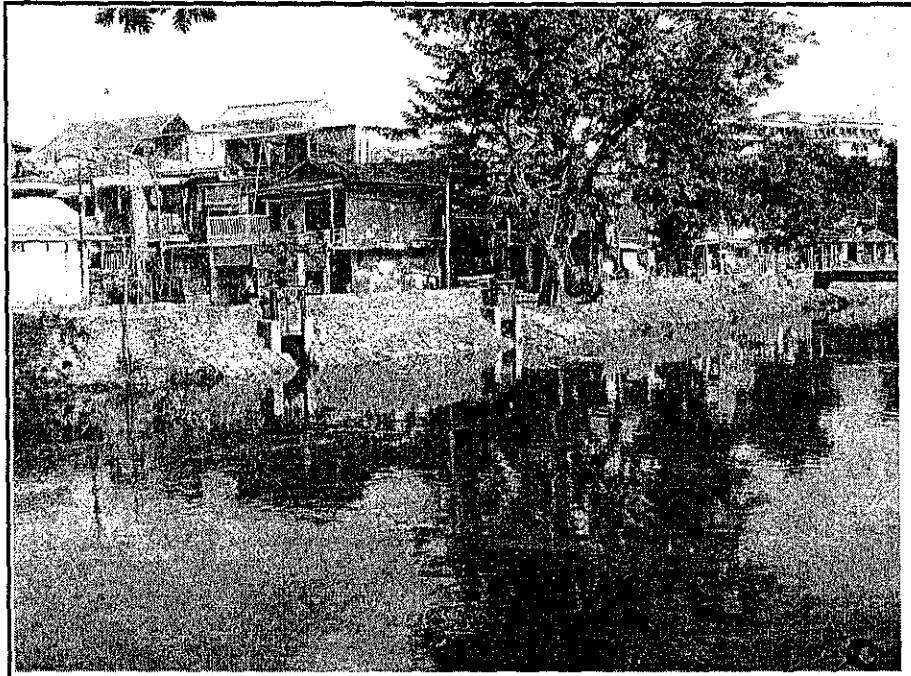
Dimension of Canal / Structure

Remarks :

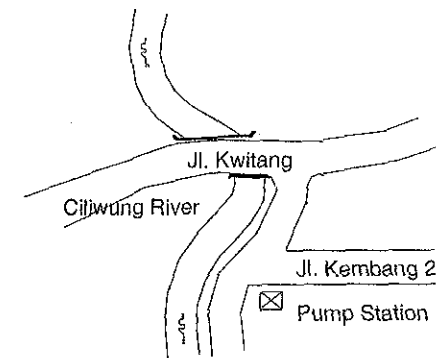
- Water level measuring scale is not provided, gate (4 unit of 3.6m length each) is in working condition with one gate are leaking, all gate operated by electrical.
- No trash rack provided. Debris is lifted by manual.

DOCUMENTATION OF PUMP AND GATE SURVEY 2003

Name of River / Canal	: Kwitang Pump Station	Date of Survey	: 26-04-03
Location	: Jl. Kwitang, Centre Jakarta	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		



Sketch Location



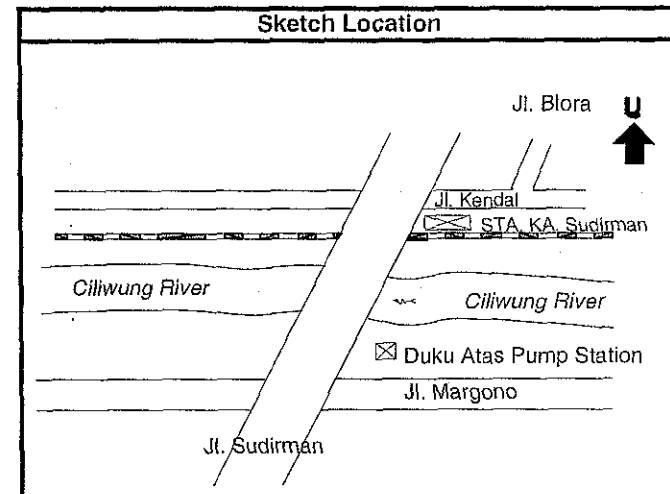
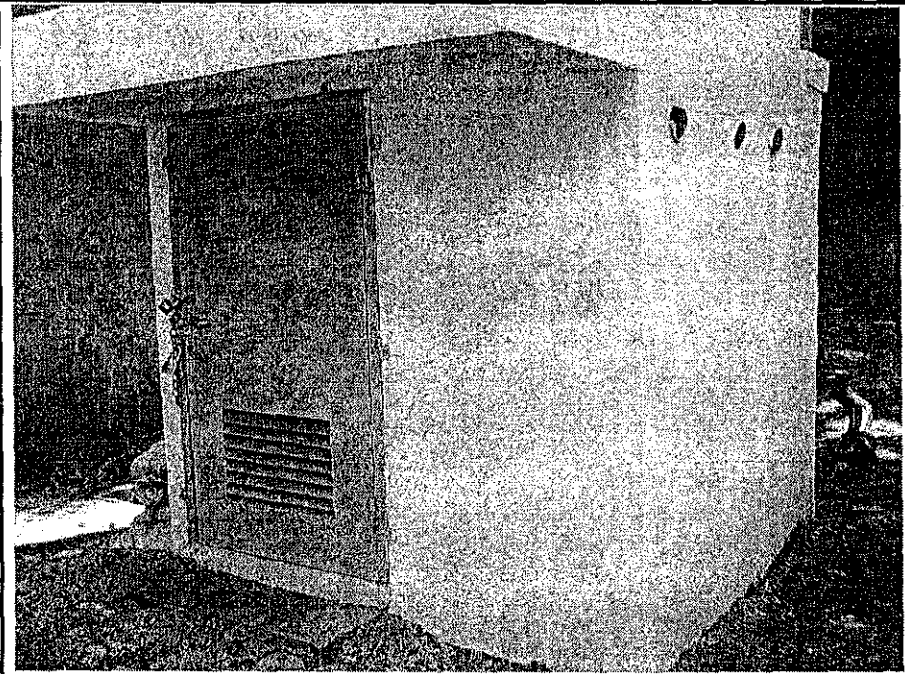
Dimension of Canal / Structure

Remarks :

- The construction accomplished in year 2002, planned to use for urban drain.
- The pump is not working because no pump is installed up to now.
- This construction and facilities is not handed over to DKI Jakarta yet.

DOCUMENTATION OF PUMP AND GATE SURVEY 2003

Name of River / Canal	: Duku Atas Pump	Date of Survey	: 26-04-03
Location	: Jl. Sudirman, Centre Jakarta	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		



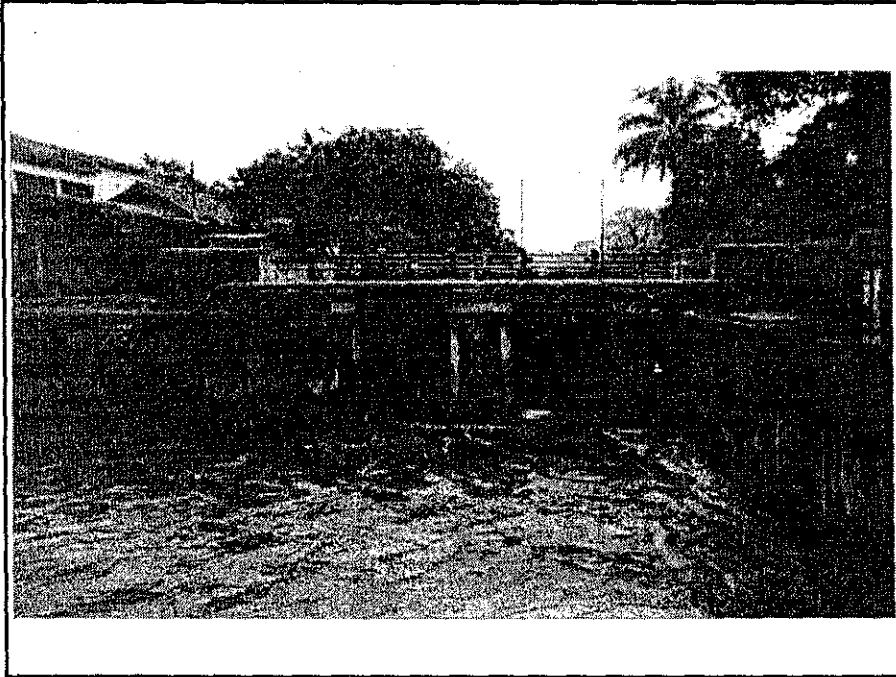
Dimension of Canal / Structure

Remarks :

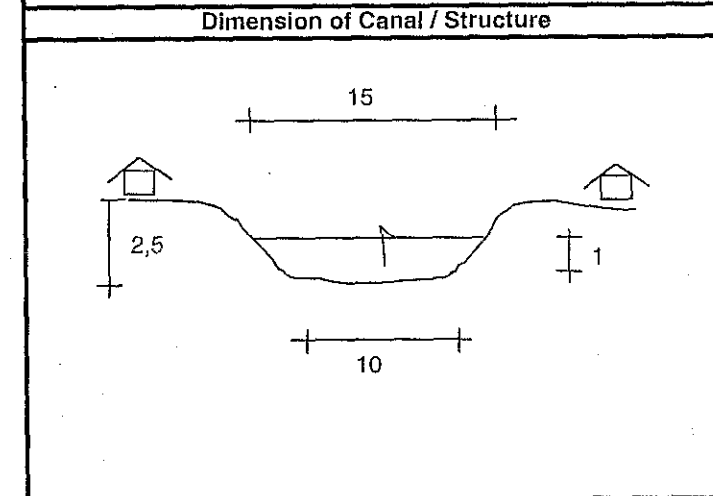
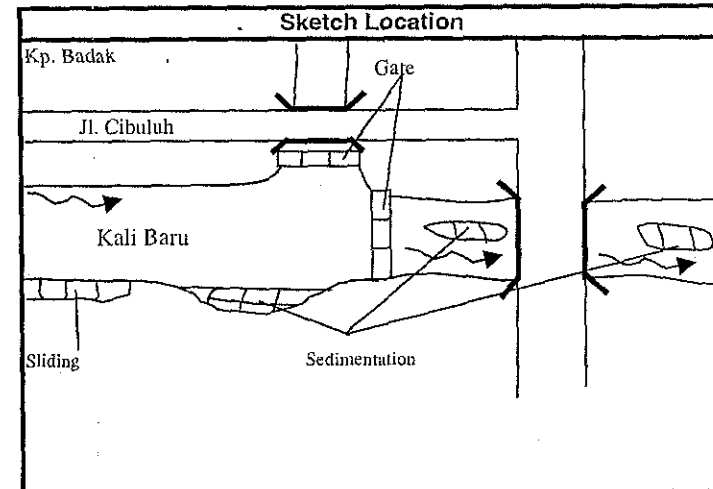
- Use to drain inundation in road underpass to Ciliwung river. Only 7 pump provided and still in good condition. Capacity is unknown, no operator available in site.
- Operated by DKI Jakarta and was worked during flood 2002.

DOCUMENTATION OF PUMP AND GATE SURVEY 2003

Name of River / Canal	: Kali Baru	Date of Survey	: 21-02-2003
Location	: Kel. Kebon Pedes Bogor	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		



Remarks :
 - Sediments and garbages appear in the river, the gates operate by Bogor Municipality from housing along river



APPENDIX D
DOCUMENTATION
OF
FLOOD IMPACT SURVEY

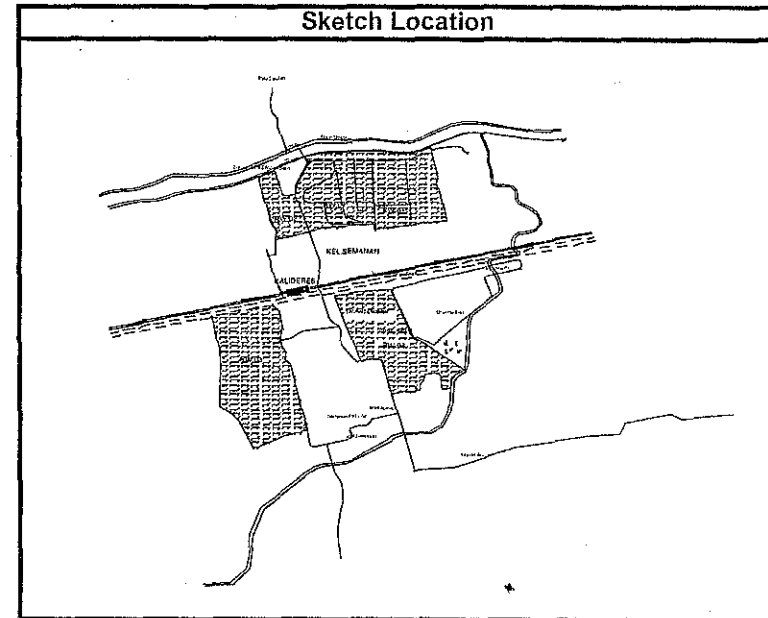
List of Damage Impact Survey Location 2003

	Location	River/ River System or Drainage
1	Semanan, Kalideres, West Jakarta	Mookervart/ Pesanggrahan
2	Kedoya Utara, Kebon Jeruk, West Jakarta	K. Sekretaris/ Pesanggrahan
3	Sumur Batu, Kemayoran, Central Jakarta	K. Item. Cipinang
4	Bintaro (IKPN housing), Bintaro, South Jakarta	K. Pesanggrahan/ Pesanggrahan
5	Bukit Duri, Tebet, South Jakarta	K. Ciliwung/ Ciliwung
6	Jatinegara Kaum, Pulogadung, South Jakarta	K. Sunter/ Cipinang
7	Cipinang Besar Utara, Jatinegara, East Jakarta	K. Cipinang/ Cipinang
8	Cipinang Besar Selatan, Jatinegara, East Jakarta	K. Cipinang/ Cipinang
9	Kebon Pala, Makasar, East Jakarta	K. Cipinang/ Cipinang
10	Rawa Badak Utara, Koja, North Jakarta	K. Sunter/ Cipinang
11	Rawa Badak Selatan, Koja, North Jakarta	K. Sunter/ Cipinang
12	Kelapa Gading Timur, Kelapa Gading, North Jakarta	K. Sunter/ Cipinang
13	Penjaringan, Penjaringan, North Jakarta	K. Muara Karang/ Ciliwung
14	Papanggo, Tanjung Priok, North Jakarta	K. Ancol/ Cipinang
15	Kapuk Muara, Penjaringan, North Jakarta	Cengkareng Drain/ Pesanggrahan
16	Kamal Muara, Penjaringan, North Jakarta	Cengkareng Drain/ Pesanggrahan
17	Pantai Hurip, Babelan, Bekasi District	K. Bekasi/ Cikarang
18	Hurip Jaya, Babelan, Bekasi District	K. Bekasi/ Cikarang
19	Sukadaya, Sukawangi, Bekasi District	K. Bekasi/ Cikarang
20	Sukabakti, Tambelang, Bekasi District	K. Bambu Kuning/ Cikarang
21	Kranji, Bekasi Barat, Bekasi City	Bekasi Tengah Canal/ Cikarang
22	Bintaro, Bekasi Barat, Bekasi City	Bekasi Tengah Canal/ Cikarang
23	Pengasinan, Rawa Lumbu, Bekasi City	K. Bekasi/ Cikarang
24	Jatirasa, Jatiasih, Bekasi City	K. Bekasi/ Cikarang
25	Renged, Kresek, Tangerang District	K. Cimanceuri/ Cimanceuri
26	Teluk Naga, Teluk Naga, Tangerang District	K. Cisadane/ Cisadane
27	Periuk Jaya, Periuk, Tangerang City	K. Cisadane/ Cisadane
28	Gondrong, Cipondoh, Tangerang City	K. Angke/ Pesanggrahan
29	Cisalak, Sukmajaya, Depok City	K. Cijantung/ Ciliwung
30	Abadi Jaya, Sukmajaya, Depok city	K. Sugutamu/ Ciliwung
31	Mekar Jaya, Sukmajaya	K. Sugutamu/ Ciliwung

DOCUMENTATION OF FLOOD IMPACT SURVEY 2003

Village/Kelurahan/Desa : Semanan
District/Kecamatan : Kalideres
Region/Wilayah : West Jakarta
River/River System : Sal. Mookervart / Pesanggrahan

Date of Survey : 22-02-2003
Filled by : PT. MITRAPACIFIC CONSULINDO INTERNATIONAL



Remarks :

Condition of 2002 flood in this area :

- Inundation area is 64,3 Ha.
- Inundation depth is : min. 15 cm
max. 220 cm
- Flood duration is : min. 7 day
max. 50 day

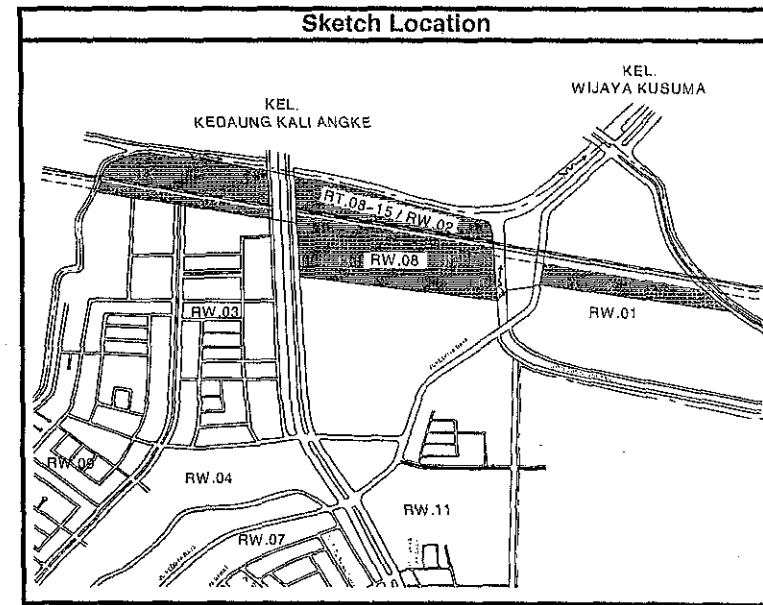
Affected Population : 3000

Legend

DOCUMENTATION OF FLOOD IMPACT SURVEY 2003

Village/Kelurahan/Desa : Kedoya Utara
 District/Kecamatan : Kebon Jeruk
 Region/Wilayah : West Jakarta
 River/River System : Kali Sekretaris / Pesangrahan

Date of Survey : 24-02-2003
 Filled by : PT. MITRAPACIFIC CONSULINDO INTERNATIONAL



Legend

Remarks :

Condition of 2002 flood in this area :

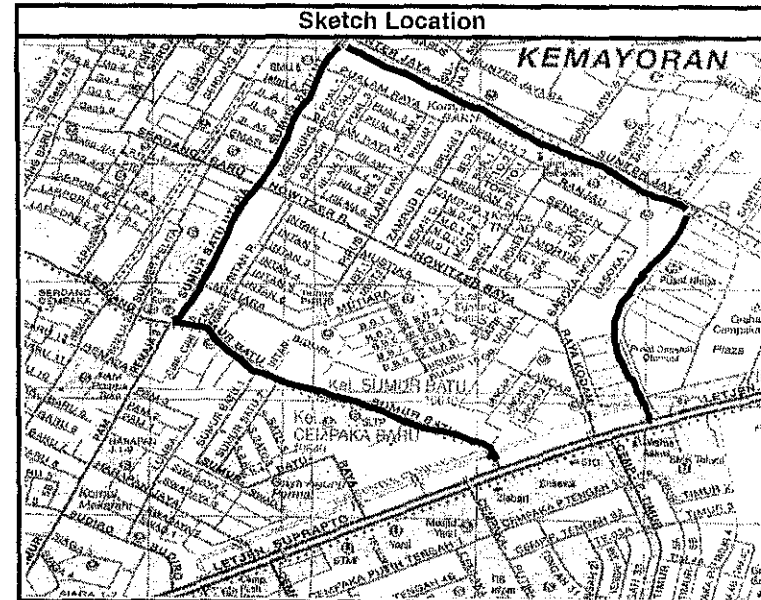
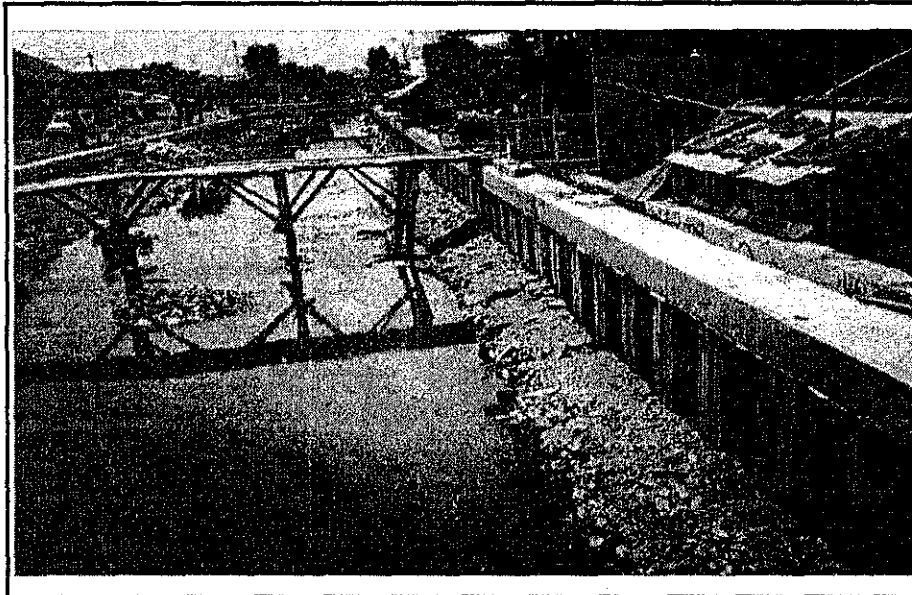
- Inundation area is 40 Ha.
- Inundation depth is : min. 50 cm
max. 160 cm
- Flood duration is : min. 15 day
max. 40 day

Affected Population : 3020

DOCUMENTATION OF FLOOD IMPACT SURVEY 2003

Village/Kelurahan/Desa : Sumur Batu
 District/Kecamatan : Kemayoran
 Region/Wilayah : Central Jakarta
 River/River System : Kali Item / Cipinang

Date of Survey : 01-03-2003
 Filled by : PT. MITRAPACIFIC CONSULINDO INTERNATIONAL



Sketch Location

Legend

Remarks :

Condition of 2002 flood in this area :

- Inundation area is 102 Ha.
- Inundation depth is : min. 10 cm
max. 60 cm
- Flood duration is : min. 1 day
max. 3 day

Affected Population : 19504