Name of River / Canal

Location

No. of Picture

Title

: Sungai Cidurian

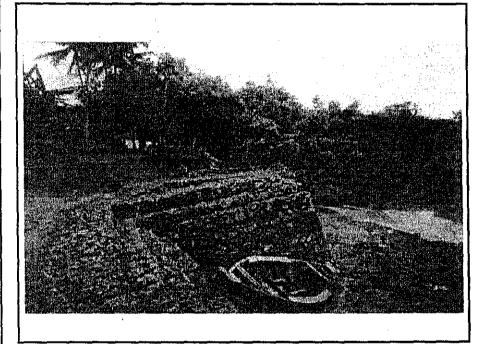
: Desa Pasirampo, Kresek

Date of Survey

Filled by

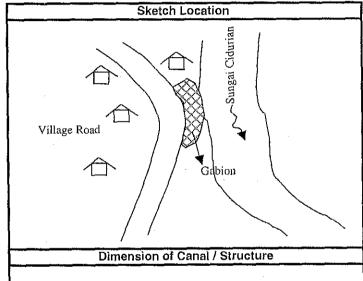
24-02-2003

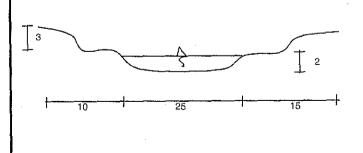
PT. MITRAPACIFIC CONSULINDO INTERNATIONAL





-Land slide occurred in river bend area, but some area was protected by gabion.





Name of River / Canal

: Cidurian River

Date of Survey

urvey : 22-03-2003

Location

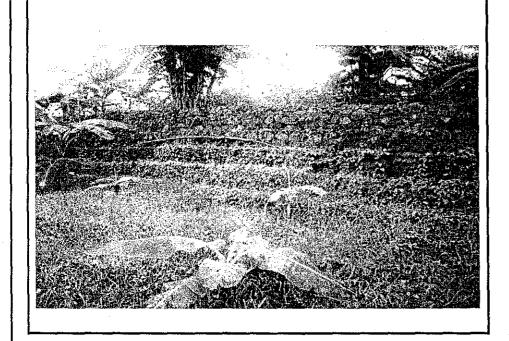
: Kel. Renged, Kab. Tangerang

Filled by

PT. MITRAPACIFIC CONSULINDO INTERNATIONAL

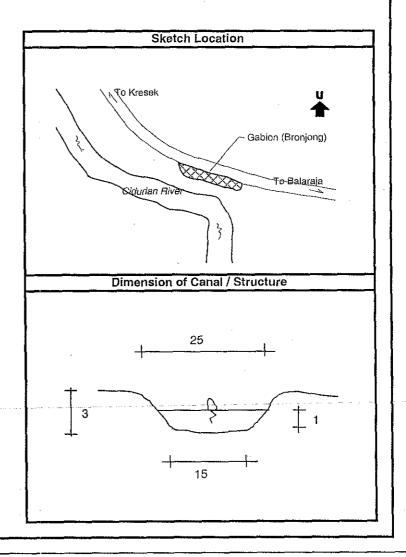
No. of Picture

Title





Gabion as slope protection of Cidurian riverbank which is vulnerable for land slide and erosion.



Name of River / Canal

Location

No. of Picture

Title

: Sungai Cimanceuri

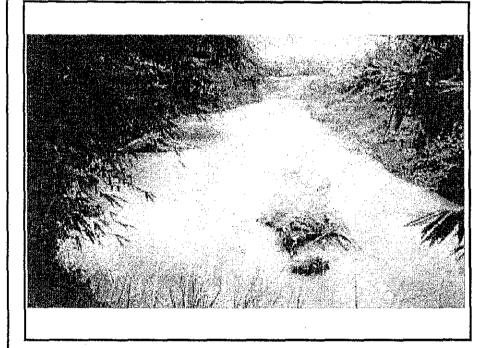
: Ds. Gunung Kawi, Dago

Date of Survey

Filled by : PT

4-03-2003

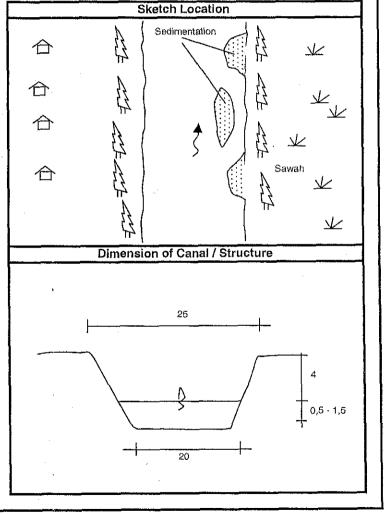
PT. MITRAPACIFIC CONSULINDO INTERNATIONAL



Remarks:

- Sand extraction and collection from the river sediment.

The water level and flow are change from sand extraction.



Name of River / Canal

: Sungai Cimanceuri : Ds. Kelebet, Tangerang **Date of Survey**

1-03-2003

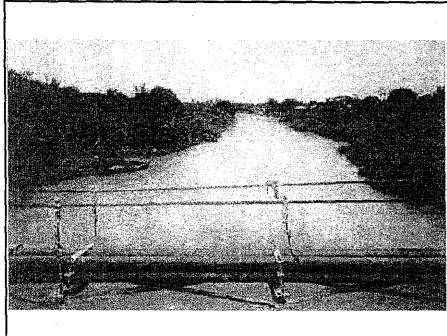
No. of Picture

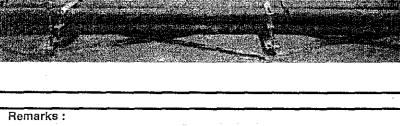
Location

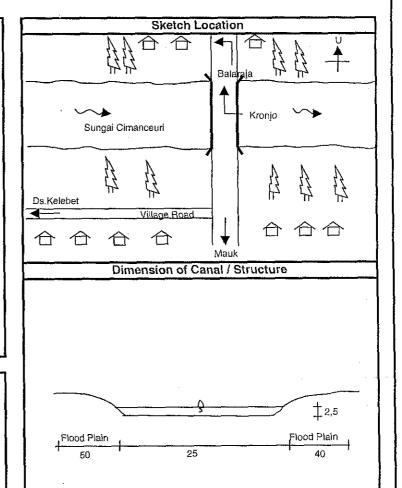
Title

Filled by

PT. MITRAPACIFIC CONSULINDO INTERNATIONAL







-Water level increase and inundated the settlement area during flood 2003 to a depth of 50 - 100 cm for 5-15 days.

Name of River / Canal Location

No. of Picture

: Sungai Cisadane

: Kel. Paledang, Bogor

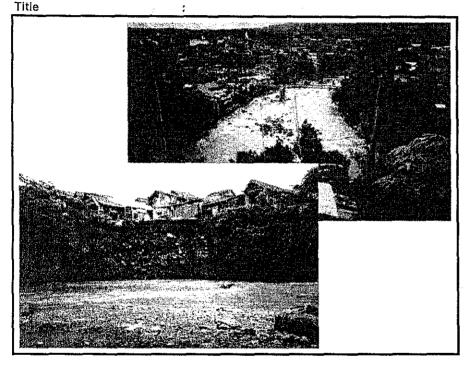
Date of Survey Filled by

ey : 18-02-2003

PT. MITRAPACIFIC CONSULINDO INTERNATIONAL

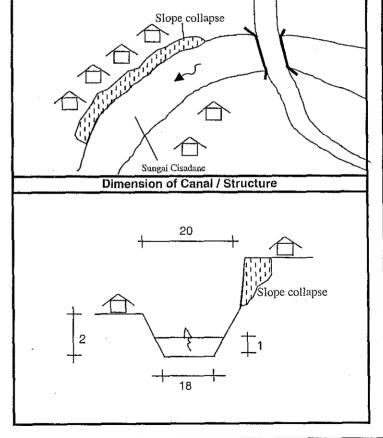
Jl.Pulo Empang

Sketch Location



Remarks:

- Housing is restricted zone of river, cause erosion and sedimentation.



Name of River / Canal

Location

No. of Picture

Title

: Kali Baru

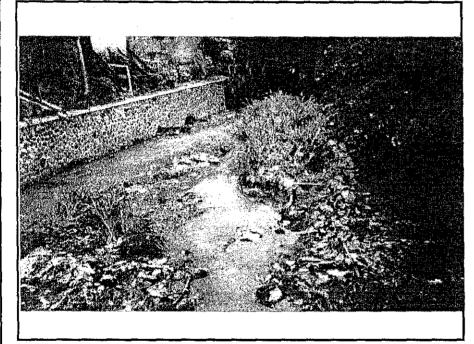
: Kel. Kebon Pedes Bogor

Date of Survey

Filled by

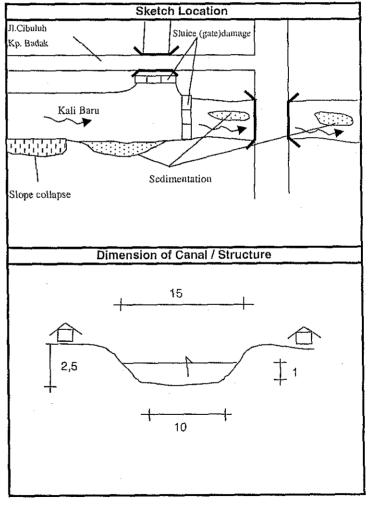
21-02-2003

PT. MITRAPACIFIC CONSULINDO INTERNATIONAL



Remarks:

- Housing along river, and use the river as disposal area, no solid waste facilities in the housing area.
- Sediments and garbages appear in the river, decrease flow capacity of the river to increase flood area.



Name of River / Canal

Location

No. of Picture Title

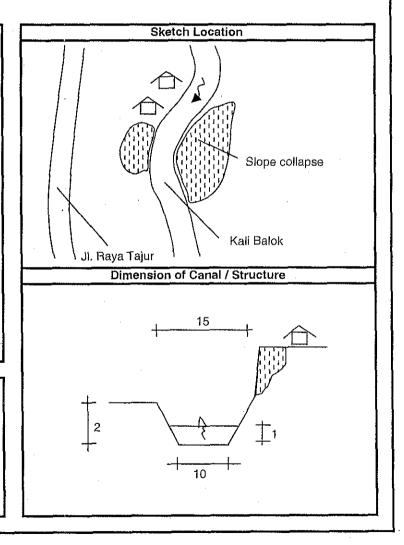
: Kali Cibalok : Jl. Raya Tajur Date of Survey Filled by

18-02-2003

PT. MITRAPACIFIC CONSULINDO INTERNATIONAL

Remarks:

House is constructed in the river! An extremely illegal development. House was broken by improper structure.



Name of River / Canal

Location

No. of Picture

Title

: Sungai Cisadane

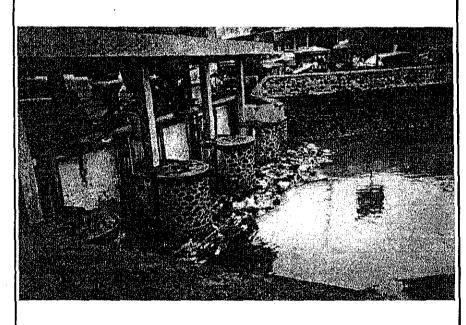
: Cisadane Empang Weir

Date of Survey

Filled by

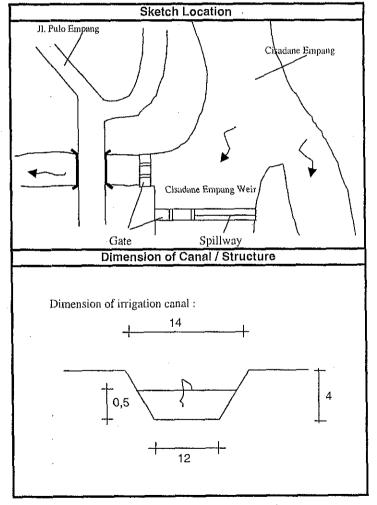
21-02-2003

PT. MITRAPACIFIC CONSULINDO INTERNATIONAL



Remarks:

- Gate already rehabilitation, improve the pump height and dikes.
- Garbage accumulated at upstream gate.
- Large reduction of irrigation area, become 1250 ha from 4500 ha.



Name of River / Canal

: Kali Sabi

Date of Survey

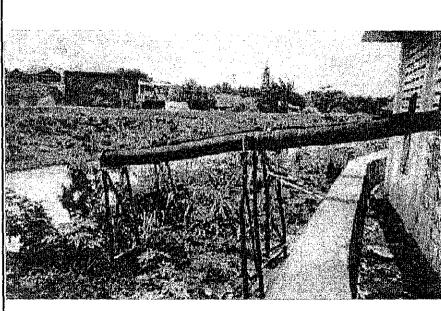
27-02-2003

Location No. of Picture : Kel. Periuk Jaya

Filled by

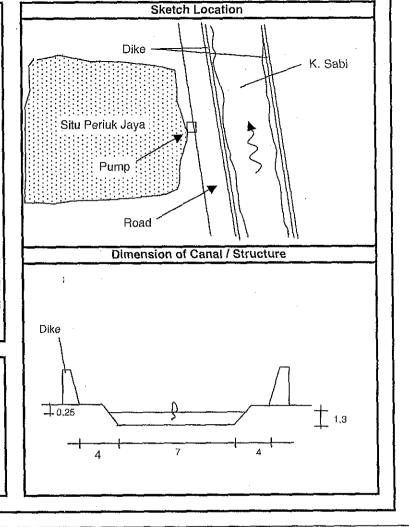
PT. MITRAPACIFIC CONSULINDO INTERNATIONAL

Title



Remarks:

Density housing around the situ (lake). Pump operates to control flood in the reservoir to Kali Sabi. The housing suffers of annual flooding as it low lying area



Name of River / Canal

: Hulu S. Cisadane Location : Gn. Pasir Gudang **Date of Survey**

27-02-2003

No. of Picture

Title

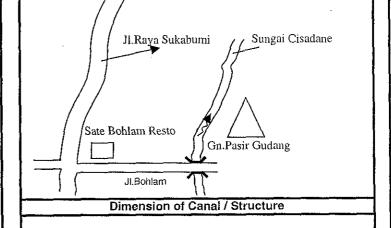
Filled by

PT. MITRAPACIFIC CONSULINDO INTERNATIONAL

Sketch Location

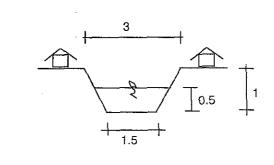






Remarks:

- Small scale quarrying without protection for keeping erosion away from river. Risk erosion and sedimentation to Cisadane river.



Name of River / Canal

Location

No. of Picture

: Situ Baru

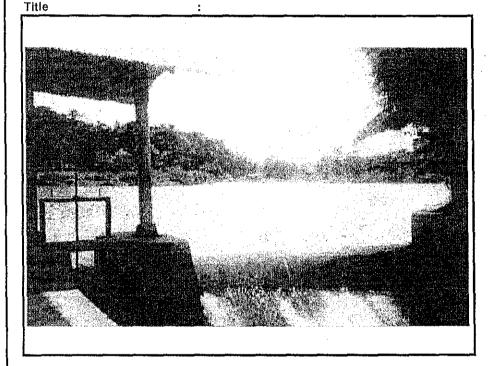
: Studio Alam TVRI, Depok

Date of Survey

Filled by

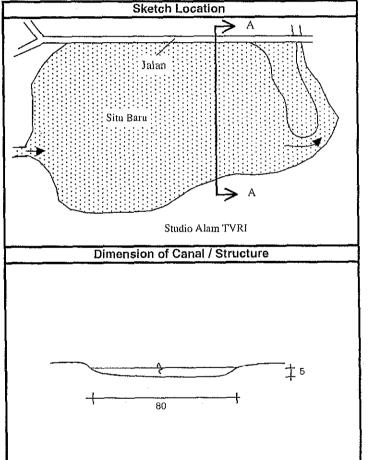
14-02-2003

PT. MITRAPACIFIC CONSULINDO INTERNATIONAL





Flooding condition in 2002 gate facilities not function



Name of River / Canal

- unu

: Kali Cideng : Waduk Setiabudi Barat Date of Survey Filled by 13-02-2003

PT. MITRAPACIFIC CONSULINDO INTERNATIONAL

No. of Picture

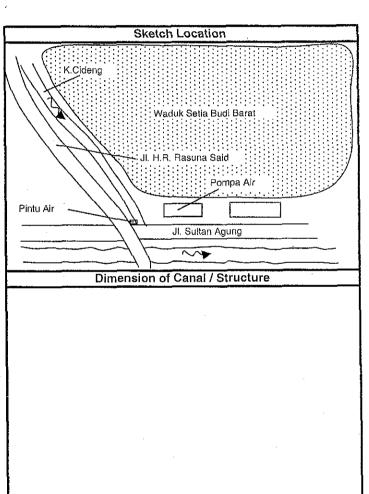
Title

Location



Remarks:

- There is five old pumps and add two news pump



Name of River / Canal

: Sungai Cisadane

: Danau Lido

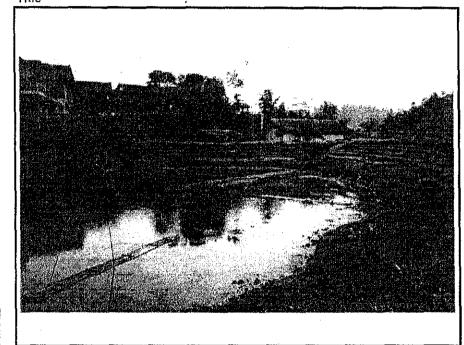
Date of Survey Filled by

27-02-2003

PT. MITRAPACIFIC CONSULINDO INTERNATIONAL

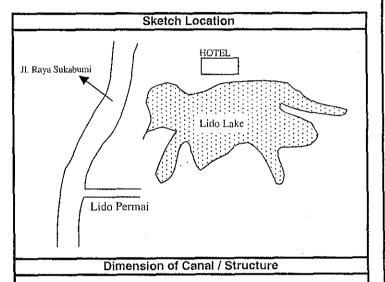
Location No. of Picture

Title



Remarks:

- Lake is used by local people to change into rice field; will reduce also retension capacity of the lake



Name of River / Canal

Location

No. of Picture

Title

: Sungai Cisadane

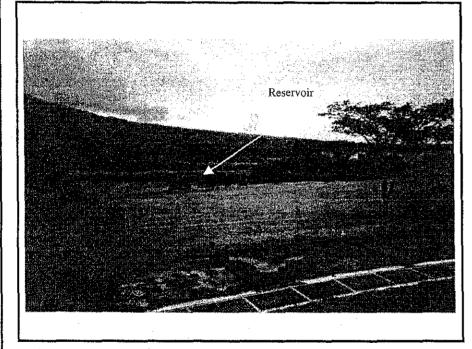
: Rancamaya

Date of Survey

Filled by

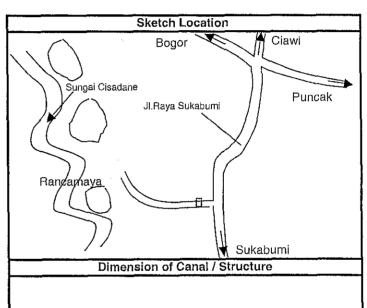
19-02-2003

PT. MITRAPACIFIC CONSULINDO INTERNATIONAL



Remarks:

Rancamaya golf property, lakes are provided as retension basin to keep runoff before flows to Cisadane



Date of Survey

Name of River / Canal

: Sungai Ciliwung

18-02-2003

Location

: Bendung Katulampa

Filled by :

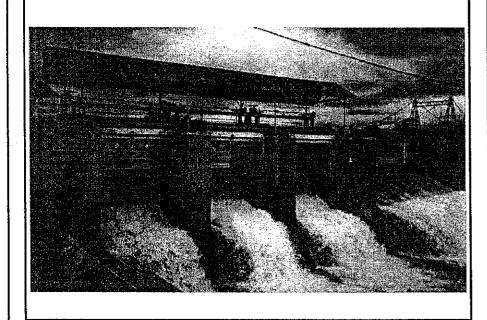
PT. MITRAPACIFIC CONSULINDO INTERNATIONAL

Sketch Location

No. of Picture

Title

:



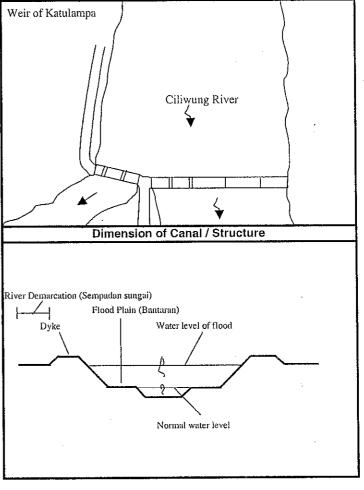
Remarks:

- Coordinat of Katulampa Weir: 06° 38 ' 39 " LS

106° 50 ' 20" LT

- Height water level during survey 0.30 m

- Katulampa aquipped with AWLR and communication facilities, as it use for important reference control of flooding to the downstream.



APPENDIX C

DOCUMENTATION
OF
PUMP & GATE SURVEY

List of Pump and Gate Survey Location 2003

	Location	River/ River System or Drainage
1	Manggarai Gate, Central Jakarta	West Banjir Canal/ Ciliwung
2	Setiabudi Reservoir, Central Jakarta	K. Cideng/ Ciliwung
3	K. Cideng Gate, Kabon Kacang, Central Jakarta	K. Cideng/ Ciliwung
4	K. Cideng Gate, Cideng Timur, Central Jakarta	K. Cideng/ Ciliwung
5	Kartini V Pump Station, North Jakarta	Ciliwung
6	North Mangga Dua Gate and Pump Station, North Jakarta	Ciliwung
7	WTC Mangga Dua Pump Station, North Jakarta	Ciliwung
8	Ancol Gate, North Jakarta	K. Ancol/ Ciliwung
9	Marina Ancol Gate, North Jakarta	Ciliwung
10	Ancol Pump Station, North Jakarta	K. Ancol/ Ciliwung
11	North Sunter Pump Station, North Sunter Reservoir Jakarta	K. Ancol/ Ciliwung
12	Sunter Drainage Gate, Griya Utama Jakarta	Sunter/ Cipinang
13	Gate in South Sunter Reservoir and Pump Station Jakarta	Sunter/ Cipinang
14	Simpang Tujuh Gate, Tangerang	Cisadane
15	Pintu 10, Koang Jaya, Tangerang	Cisadane
16	Aplat Luise Gate, Sukarasa, Tangerang	Mookervart/ Cisadane
17	Pulomas Reservoir, Pulomas Jakarta	Sunter/ Cipinang
18	Kartini Gate, Margahayu, Bekasi	Bekasi/ Cikarang
. 19	Marga Jaya Gate, Bekasi	Bekasi/ Cikarang
20	West Cisadane Drainage, Koang, Tangerang	Cisadane
21	Periuk Jaya Pump Station and Reservoir, Periuk Jaya Housing, Tangerang	K. Sabi/ Cisadane
22	Total Persada Housing Pump Station, Tangerang	K. Sabi/ Cîsadane
23	Pondok Arum Housing Pump Station, Tangerang	K. Sabi/ Cisadane
24	Waduk Besar Cikokol, Modern Land Tangerang	Cisadane
25	Cipondoh Lake Gate, Tangerang	Mookervart/ Cisadane
26	K. Cirarab Gate, Sukadiri, Tangerang	K. Cirarab/ Cidurian
27	K. Item Gate, Sumur Batu, Jakarta	K. Item/ Cipinang
28	Rajawali Pump Station, Kartini Jakarta	K. Mati/ Ciliwung
29	Jati Pinggir Gate and Pump Station, Petamburan, Jakarta	West Banjir Canal/ Ciliwung
30	Pantai Indah Kapuk Pump Station and Reservoir, North Jakarta	Cengkareng Drain/ Pesanggrahan
31	Jembatan Merah Gate, Kartini Jakarta	Ciliwung
32	Kwitang Pump Station, Central Jakarta	Ciliwung (urban drainage)
33	Dukuh Atas Pump Station, Central Jakarta	Ciliwung (urban drainage)
34	Kalibaru Gate, Kebon Pedes, Bogor	Kalibaru/ Cisadane

Name of River / Canal

No. of Picture

Location

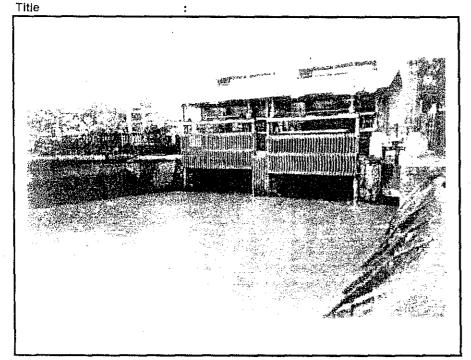
: West Banjir Canal : Manggarai Gate

Date of Survey

Filled by

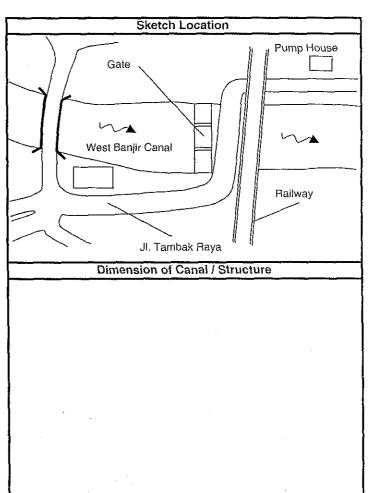
22-02-2003

PT. MITRAPACIFIC CONSULINDO INTERNATIONAL



Remarks:

Gate works property width 5.20 m (2 Unit) attached with trash rack, electrically operated equipped with radio communication and warning system operated by PIPWSCC.



Name of River / Canal

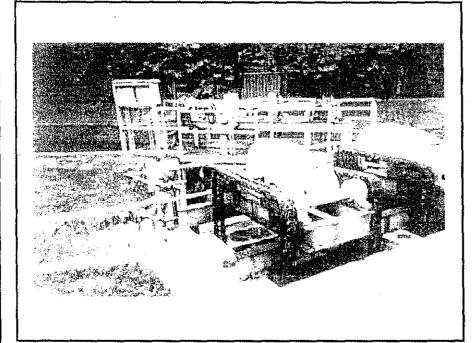
Location

No. of Picture Title : Kali Cideng

Setiabudi Reservoir

Date of Survey Filled by : 22-02-2003

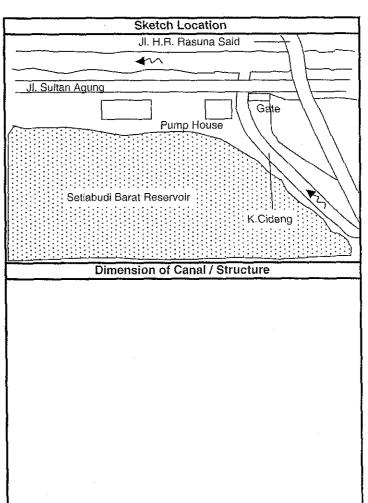
PT. MITRAPACIFIC CONSULINDO INTERNATIONAL



Remarks:

- Condition of pump is good with capacity 1.1 m3/sec (5 Series) in West Setiabudi and 3 series pump (1.1 m3/sec) in East Setiabudi.
- Gate operated manually to control Setiabudi reservoir and flow to Cideng river.

 Operated under PU-DKI-JAKARTA.



Name of River / Canal

Location

No. of Picture

Title

: Kali Cideng

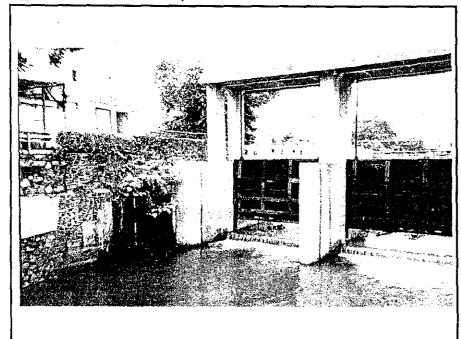
: Jl. Kebon Kacang (SOGO)

Date of Survey

Filled by

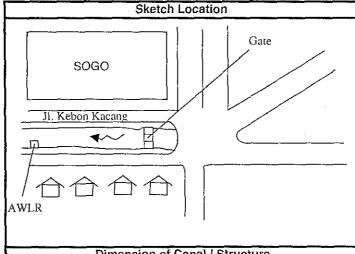
22-02-2003

PT. MITRAPACIFIC CONSULINDO INTERNATIONAL



Remarks :

Sluice gate in function (2 gate at width of 2 m) ,electrical operated, AWLR and warning system through radio telecomunitation are provided, under PU-DKI JKT.



Dimension of Canal / Structure

Name of River / Canal

Location

No. of Picture

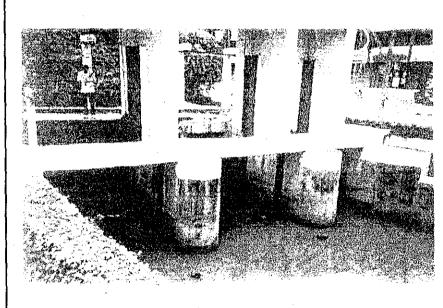
: Kali Cideng
: Kali Cideng Gate

Date of Survey Filled by 22-02-2003

PT, MITRAPACIFIC CONSULINDO INTERNATIONAL

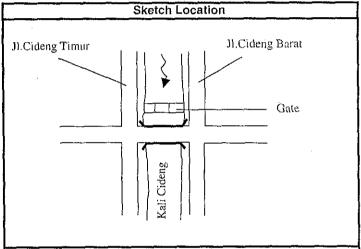
Title

TIE .



Remarks:

- Gate operates electrically in good function with width 3 m each (3 Unit), operated by PU - DKI JAKARTA



Dimension of Canal / Structure

Name of River / Canal

ana

: Kali Ciliwung : : Kartini V pump Date of Survey Filled by

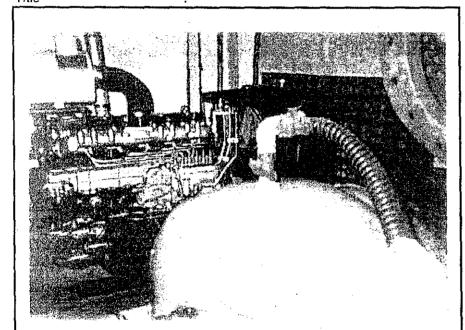
22-02-2003

PT. MITRAPACIFIC CONSULINDO INTERNATIONAL

No. of Picture

Location

Title



Remarks:

- Sluice gate 1 m width (2 unit) and pump are in working condition capacity of the pump is not identified, the pump is operated to control inundation in Jl. Kartini area

	Sketch Location		
	Jl. Gunung Sahari		
-	Ciliwung River ◆──		
	Gate 1 m length (2 unit)		
	Pump		
	Dimension of Canal / Structure		

Name of River / Canal

Location

No. of Picture

Kali Ciliwung North Mangga dua Gate

Date of Survey

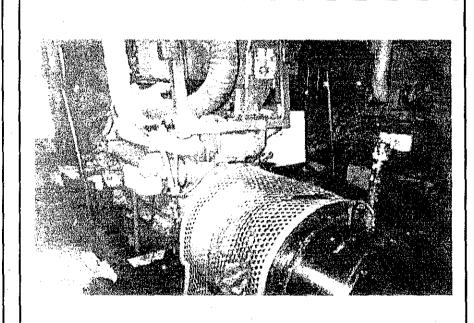
Filled by

22-02-2003

PT, MITRAPACIFIC CONSULINDO INTERNATIONAL

OI FICIUIE

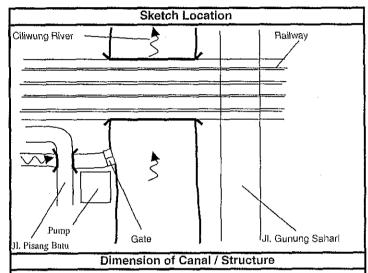
Title



Remarks:

Sluice gate (2 gate in 2m width) not stright but in function.

Pump capacity 1.8 m 3/sec x 2, good condition operated when area around pump location flooded, under PU - DKI JAKARTA.



Name of River / Canal

Location

No. of Picture

: Kali Ciliwung

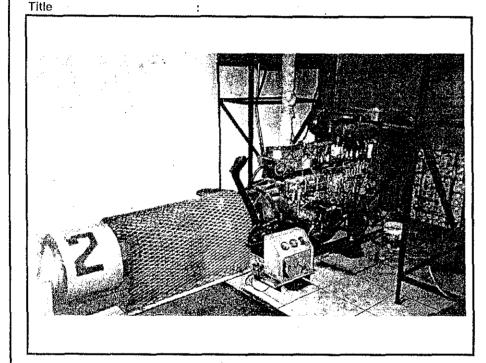
WTC Mangga Dua Pump

Date of Survey

Filled by

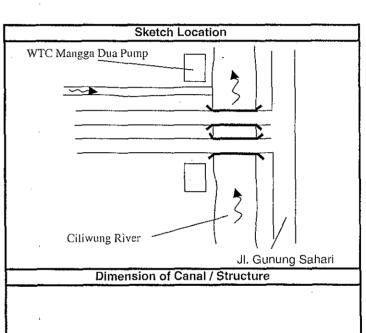
22-02-2003

PT. MITRAPACIFIC CONSULINDO INTERNATIONAL



Remarks :

Pump capacity is 159m3/sec each, from total 2 unit at working condition in the south, operate by Mangga Dua Square in the north, operate by WTC Mangga Dua



Name of River / Canal

Location

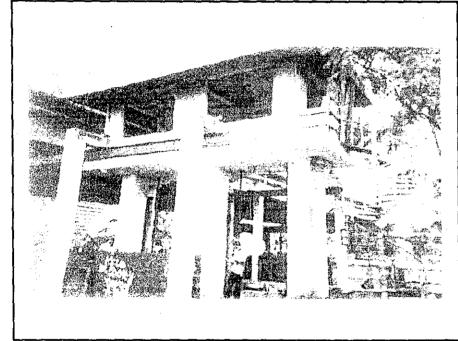
: Kali Ancol : Pintu Air Ancol

Date of Survey Filled by

1-03-2003

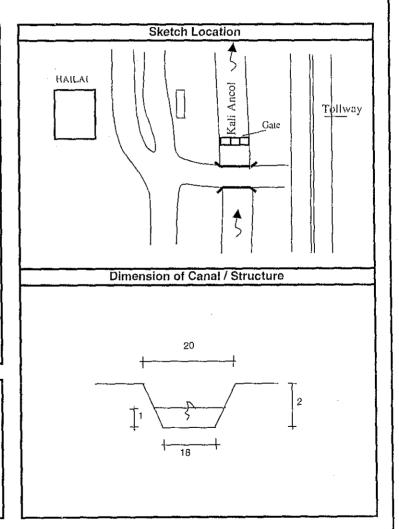
PT. MITRAPACIFIC CONSULINDO INTERNATIONAL

No. of Picture



Remarks:

- Shice gate (2 gate of 2.5 m width) and scholl balk are in good operation, in flushing Ancol river from Ciliwung operated by PU - DKI JAKARTA.



Name of River / Canal

Location

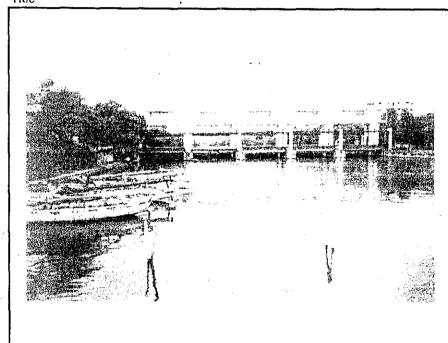
: Kali Ciliwung: Pintu Air Marina Ancol

Date of Survey Filled by

1-03-2003

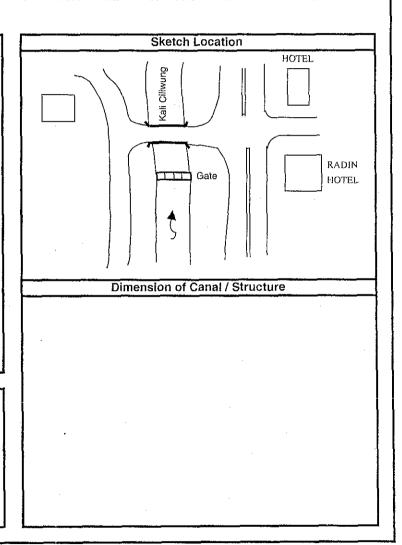
PT. MITRAPACIFIC CONSULINDO INTERNATIONAL

No. of Picture
Title



Remarks:

- Gate in good operation but measuring level scale was damaged. The function is to regulate the tidal influence to Ciliwung river. Operated by PU- DKI JAKARTA.



Name of River / Canal

Location

No. of Picture

: Kali Ancol

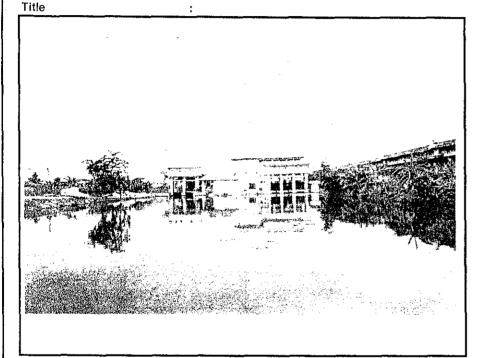
: Ancol Pump Station

Date of Survey

Filled by

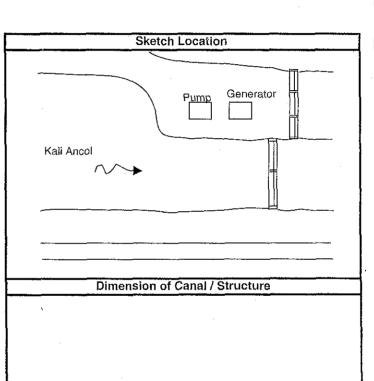
1-03-2003

PT. MITRAPACIFIC CONSULINDO INTERNATIONAL



Remarks:

The gate working well. (2 gate each 3 m width). 3 Unit pumps are provided with each capacity 5 m3/sec. Equipped with radio communication operate under PU - DKI JAKARTA.



Name of River / Canal Location

No. of Picture

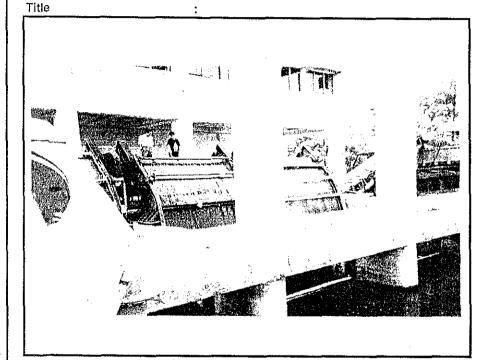
: North Sunter Reservoir

: Sunter Utara Pump

Date of Survey Filled by

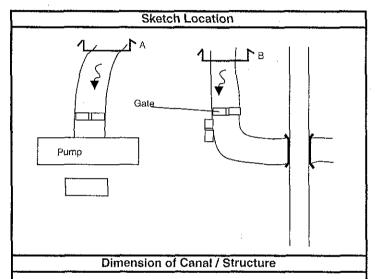
1-03-2003

PT. MITRAPACIFIC CONSULINDO INTERNATIONAL



Remarks:

- 3 unit station pump with capacity 3,3 m3/sec. New pump with 4 m3/sec will add in year 2004.
- 2 unit moveable pump, with capacity each 250 l/sec. Propided for emergency
- The pump conserve for 2000 Ha catchment of North Jakarta and will be in operation when water level above + 70 cm.
- -Pump cannot control waterlevel for longperiod of rain (more than 4 hours).
- Operated under PU DKI JAKARTA.



Name of River / Canal

Location

No. of Picture

Title

: Sunter Drainase

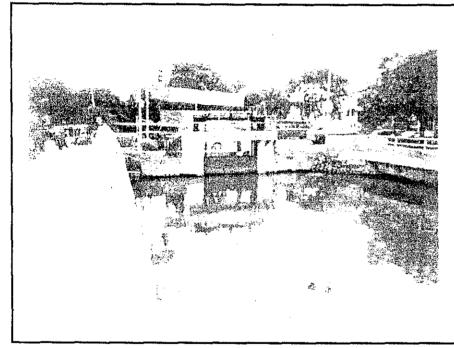
: Jl.Griya Utama

Date of Survey

Filled by

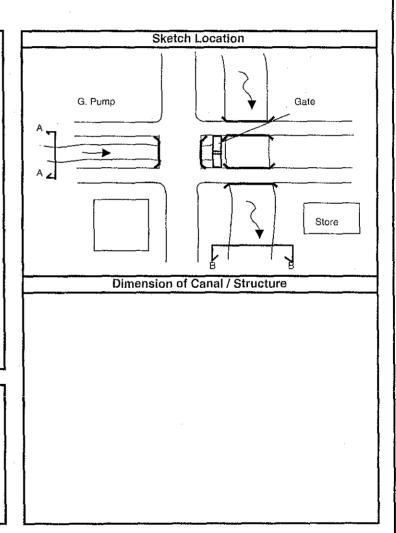
1-03-2003

PT. MITRAPACIFIC CONSULINDO INTERNATIONAL



Remarks :

- Sluice gate good condition
- The width of gate is 2 x 3 m
- Gate not completed with house gate



Name of River / Canal Location

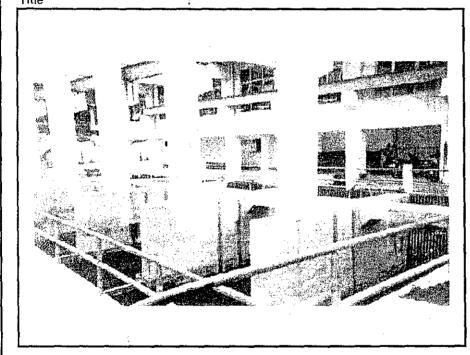
South Sunter ReservoirSouth Sunter Pump

Date of Survey : 1-03-2003 Filled by : PT. MITRA

PT. MITRAPACIFIC CONSULINDO INTERNATIONAL

No. of Picture

:



Remarks:

- Pump capacityu is 6 x 2.5 m3/sec (6 series) in good operation, use to control water level on the south Sunter reservior, cleaning gambage with manual. Equipped with radio communication and operated by PU - DKI JAKARTA.

