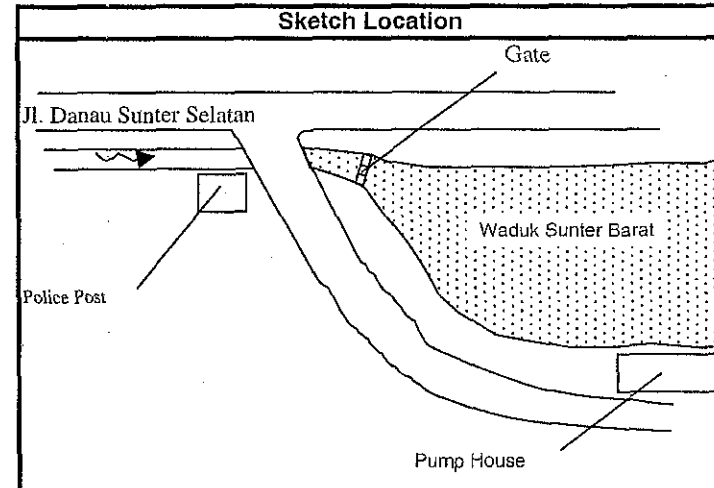
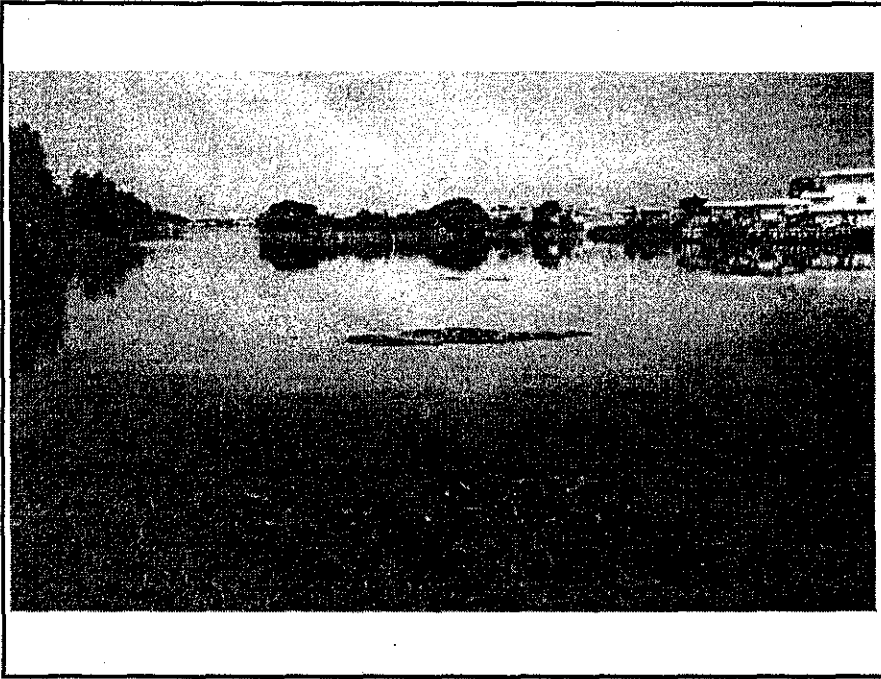
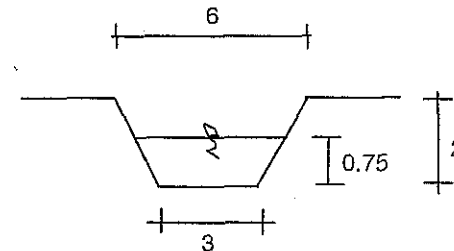


DOCUMENTATION OF RIVER SURVEY 2003

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



Dimension of Canal / Structure



Remarks :

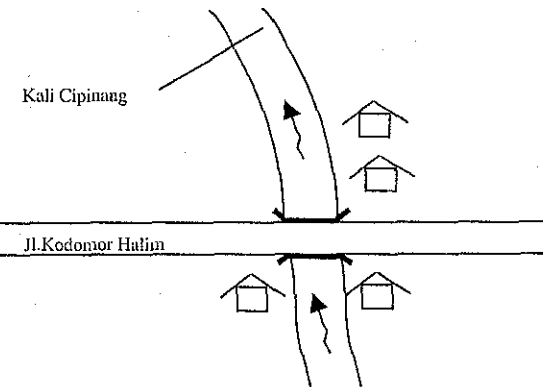
- Sedimentation in reservoir to increase reservoir capacity.

DOCUMENTATION OF RIVER SURVEY 2003

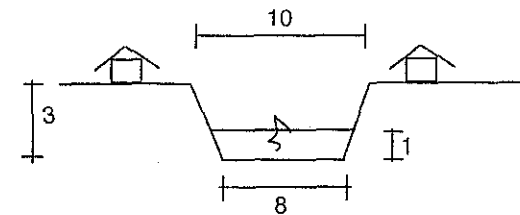
Name of River / Canal	: Kali Cipinang	Date of Survey	: 25-02-2003
Location	: Kel. Kebon Pala	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		



Sketch Location



Dimension of Canal / Structure

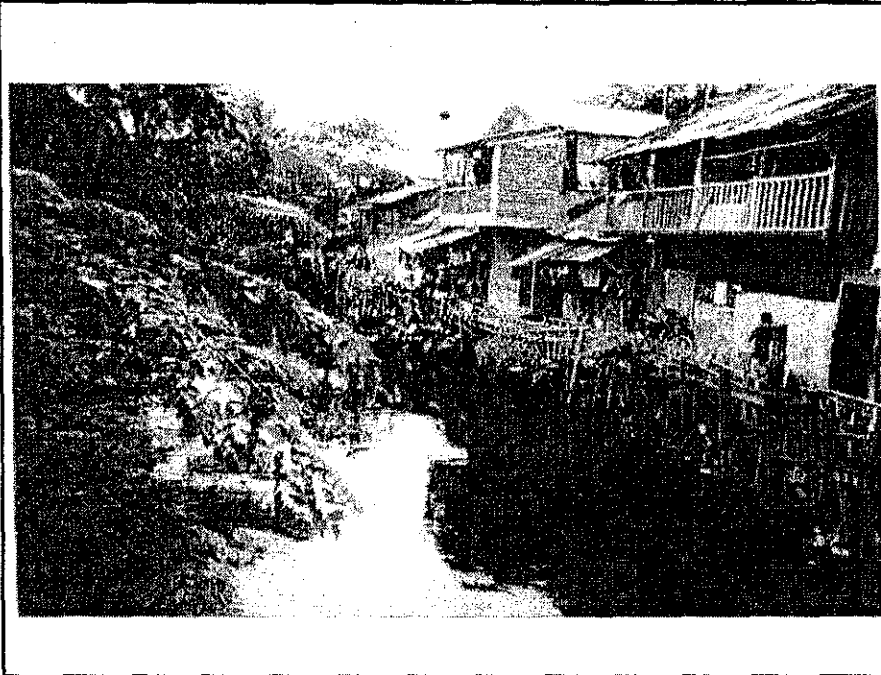


Remarks :

- Meandered alignment of river, with community participation for clean environment of the river

DOCUMENTATION OF RIVER SURVEY 2003

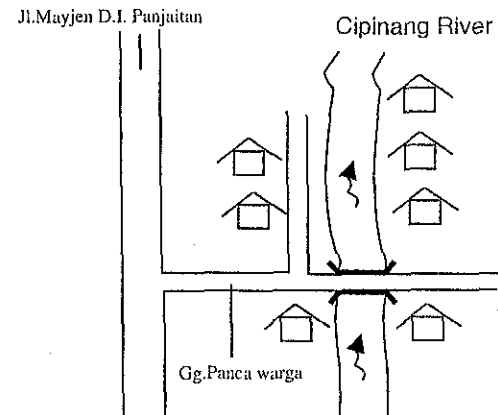
Name of River / Canal	: Kali Cipinang	Date of Survey	: 25-02-2003
Location	: Penas Tanggul	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		



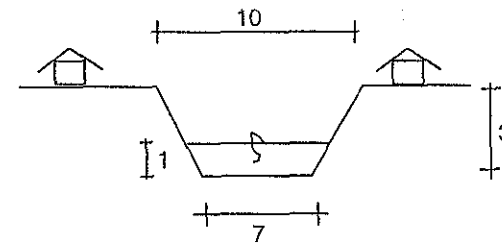
Remarks :

- Community commitment and contribution for maintenance of the river, building the dikes and keep river clean.

Sketch Location

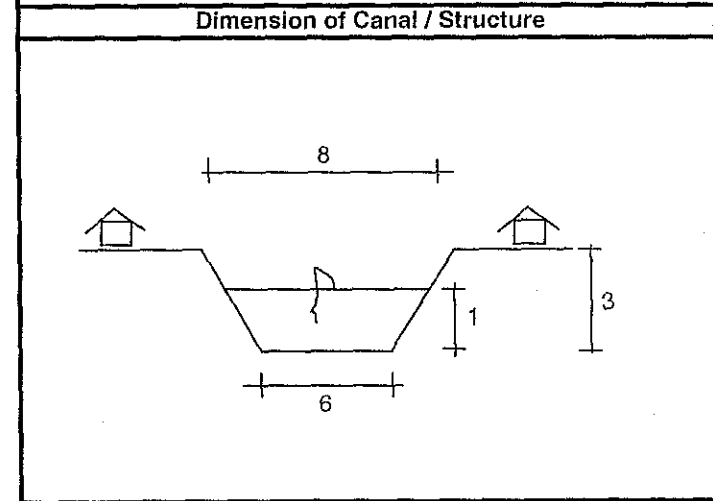
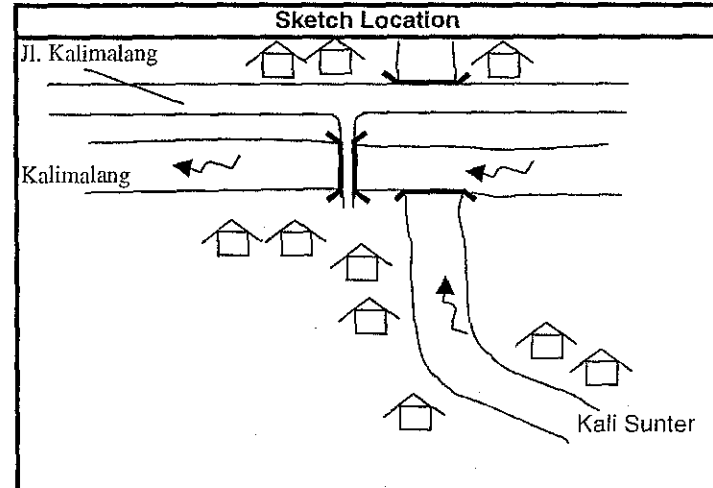
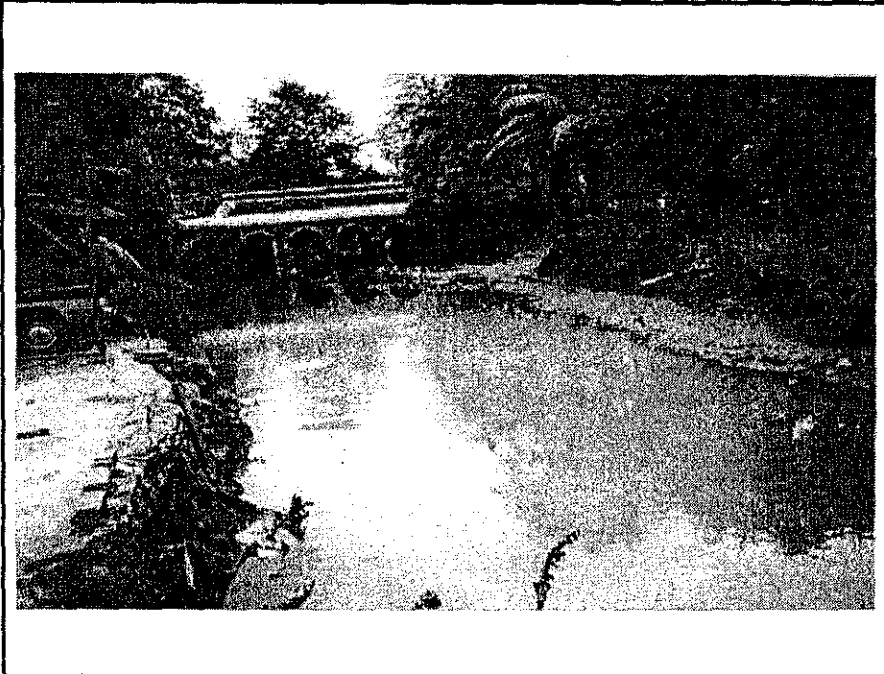


Dimension of Canal / Structure



DOCUMENTATION OF RIVER SURVEY 2003

Name of River / Canal	: Kali Sunter	Date of Survey	: 25-02-2003
Location	: Kel. Cipinang Melayu	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		

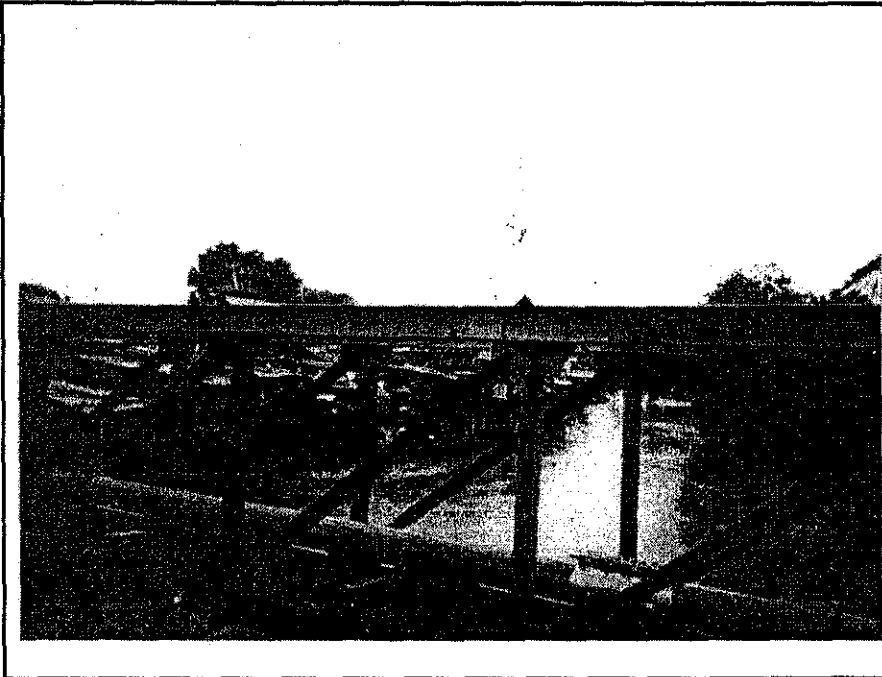


Remarks :

- No dike provided and housing in the river bank, can increase the flood area.

DOCUMENTATION OF RIVER SURVEY 2003

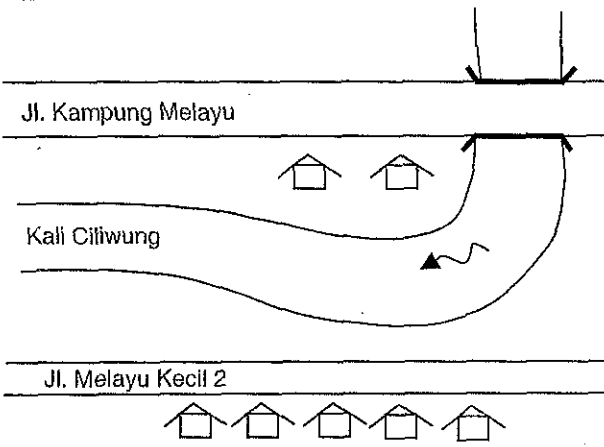
Name of River / Canal	: Kali Ciliwung	Date of Survey	: 13-02-2003
Location	: Kp. Bukit Duri	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		



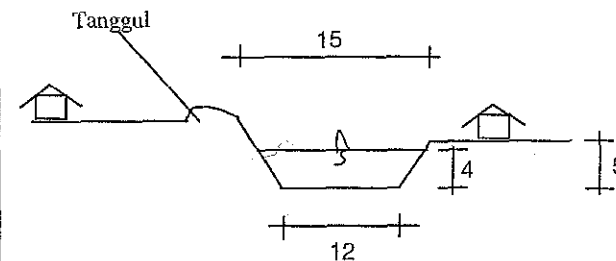
Remarks :

- houses built along the riverbank, against regulation and use river as disposal area.

Sketch Location

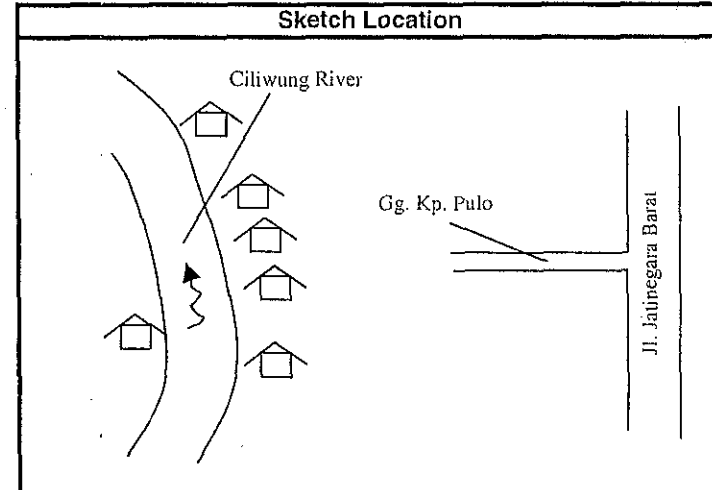
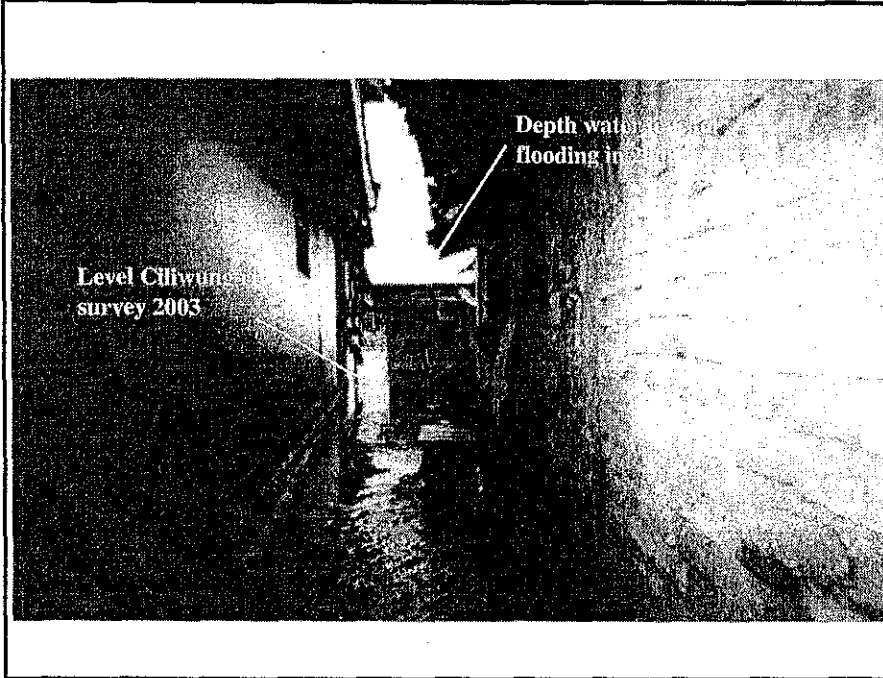


Dimension of Canal / Structure



DOCUMENTATION OF RIVER SURVEY 2003

Name of River / Canal : Kali Ciliwung Date of Survey : 13-02-2003
Location : Kp. Pulo, Kel . Balimester Filled by : PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture :
Title :



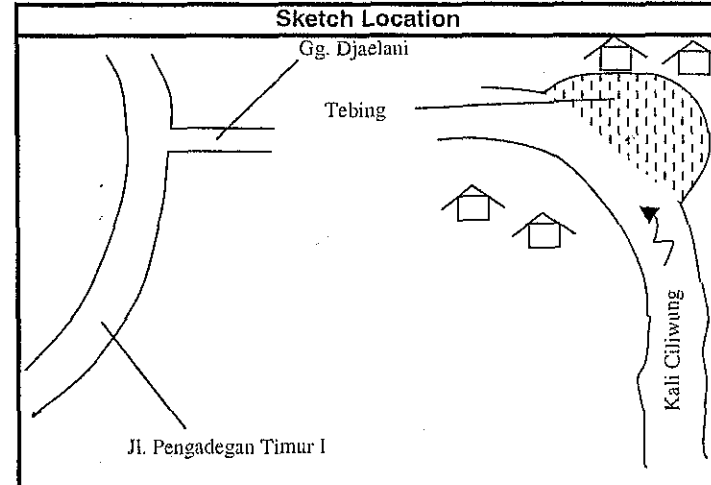
Dimension of Canal / Structure

Remarks :

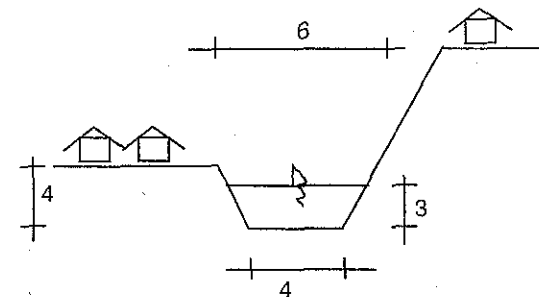
- Flood level during 2002 inundation and during survey 2003, indicated in the picture as influence from Ciliwung river.

DOCUMENTATION OF RIVER SURVEY 2003

Name of River / Canal	: Kali Ciliwung	Date of Survey	: 13-02-2003
Location	: Kel. Pengadegan	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		



Dimension of Canal / Structure

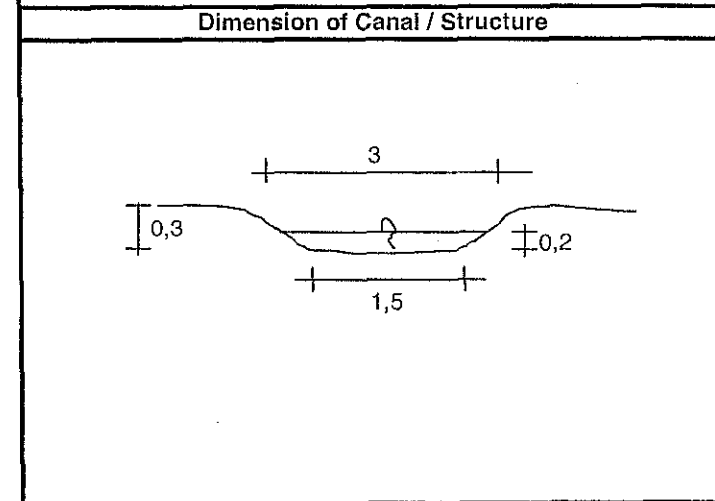
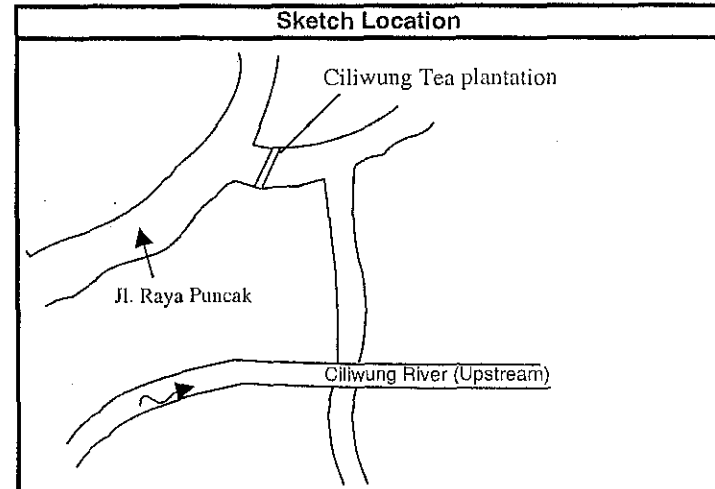
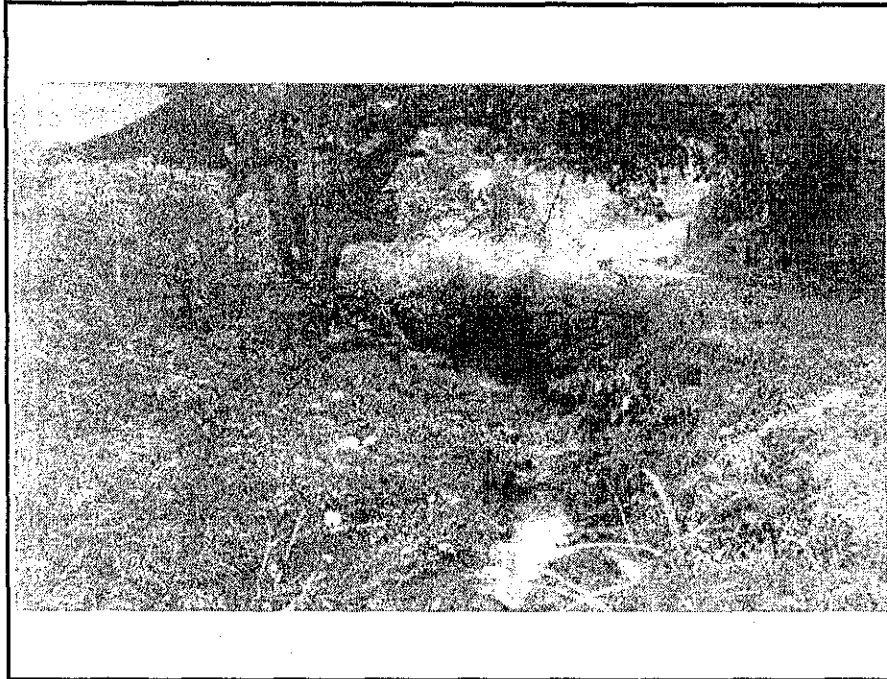


Remarks :

- Slope of riverbank, (high slope without slope protection) sensitive for sliding
- River not completed with dyke in the left bank, risk of overflow.

DOCUMENTATION OF RIVER SURVEY 2003

Name of River / Canal	: Sungai Ciliwung (hulu)	Date of Survey	: 19-02-2003
Location	: Perk.Teh Ciliwung Tugu	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		

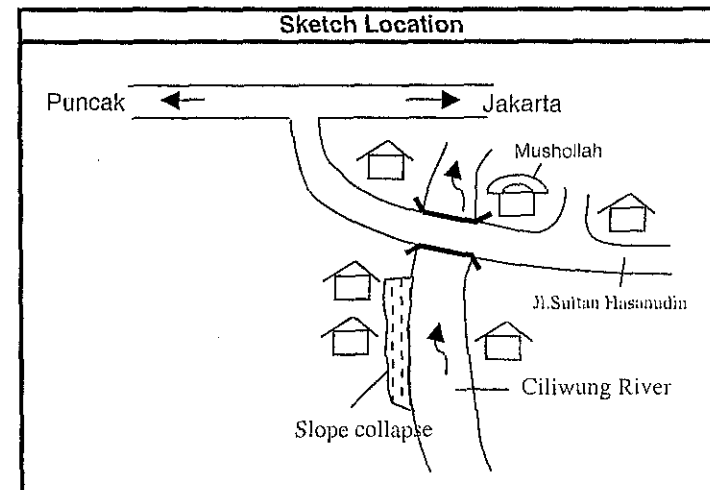


Remarks :

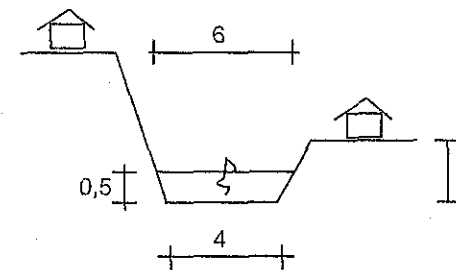
-Upstream of Ciliwung river, annual crops (avocado) conservation by local farmer in river area.

DOCUMENTATION OF RIVER SURVEY 2003

Name of River / Canal	: Sungai Ciliwung	Date of Survey	: 19-02-2003
Location	: Batulayang, Tugu	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		



Dimension of Canal / Structure

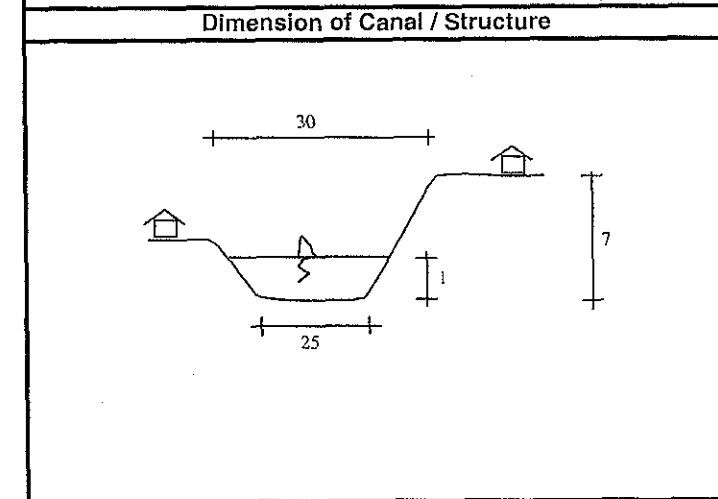
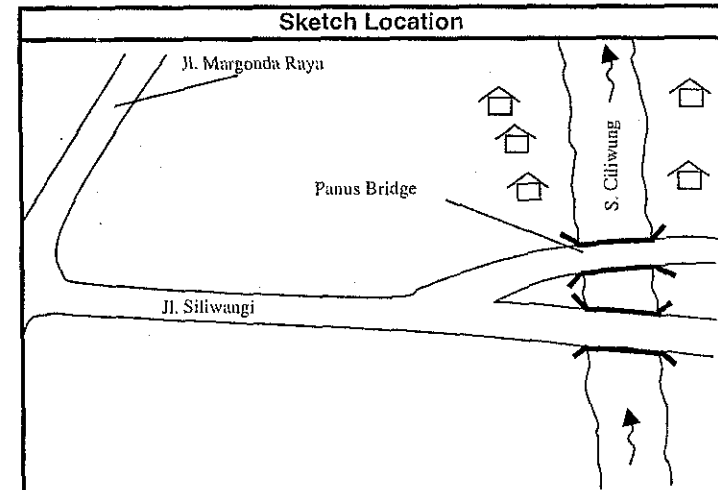


Remarks :

- Steep slope and house development in the river bank, has risk of land slide.

DOCUMENTATION OF RIVER SURVEY 2003

Name of River / Canal	: S. Ciliwung	Date of Survey	: 18-03-2003
Location	: Kel. Mekar jaya	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	: (jembatan panas)		
Title	:		



Remarks :

- Land slope sensitive to slide down in one side of the bank with water level measurement as reference.
- Information by telepon to Manggarai :
 - Warning I 250 cm
 - Warning II 220 cm

DOCUMENTATION OF RIVER SURVEY 2003

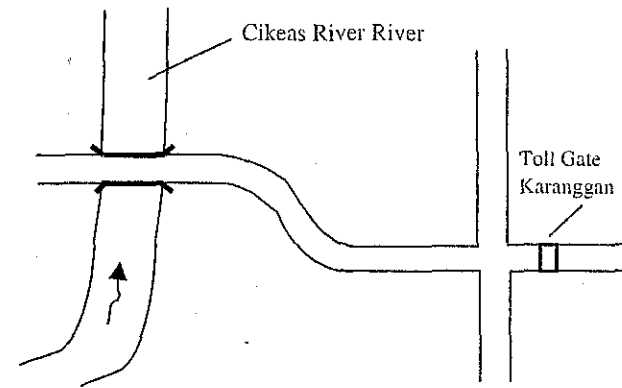
Name of River / Canal : Sungai Cikeas Date of Survey : 14-02-2003
Location : Jagorawi Golf Filled by : PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture :
Title :



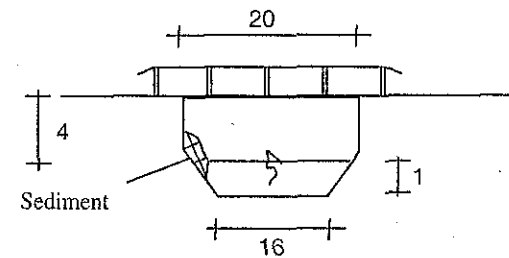
Remarks :

Bridge in golf course with land slide in its bottom

Sketch Location

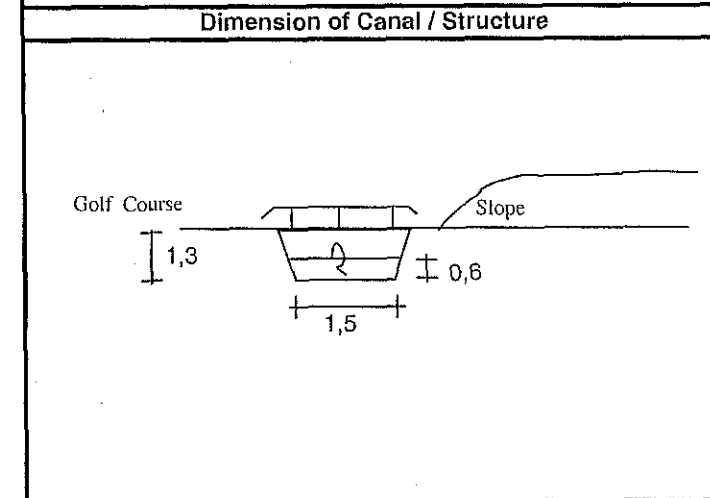
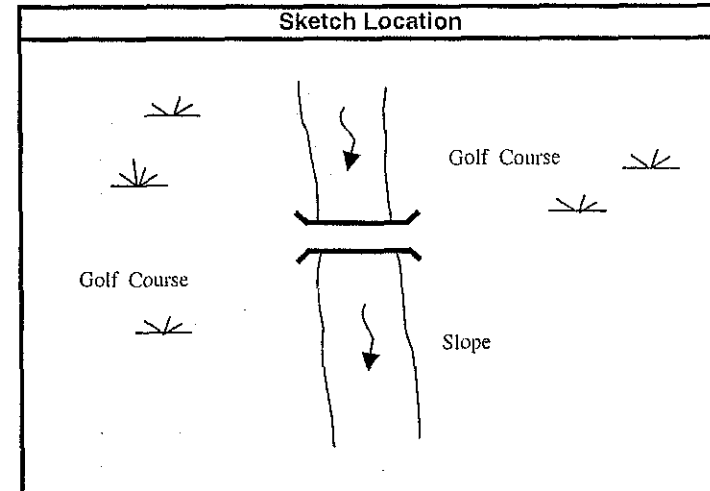
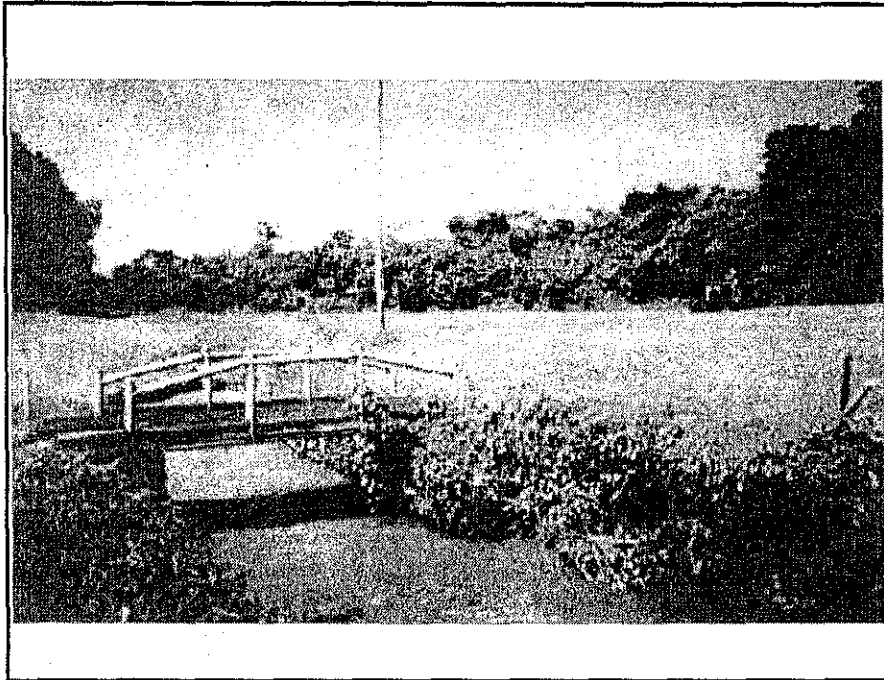


Dimension of Canal / Structure



DOCUMENTATION OF RIVER SURVEY 2003

Name of River / Canal	: Sungai Cikeas	Date of Survey	: 14-02-2003
Location	: River side G.Putri	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		

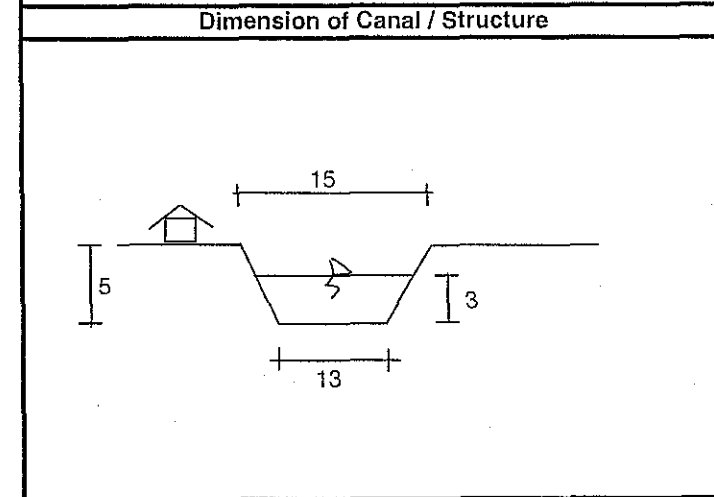
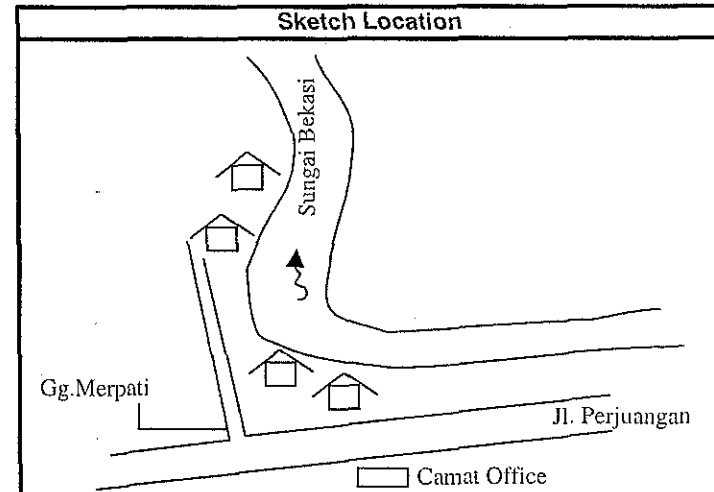


Remarks :

- Highes Velocity of river tributary straight to Cikeas river.
 No retention facility to reduce flow.

DOCUMENTATION OF RIVER SURVEY 2003

Name of River / Canal	: Sungai Bekasi	Date of Survey	: 17-02-2003
Location	: Kec. Babelan	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		

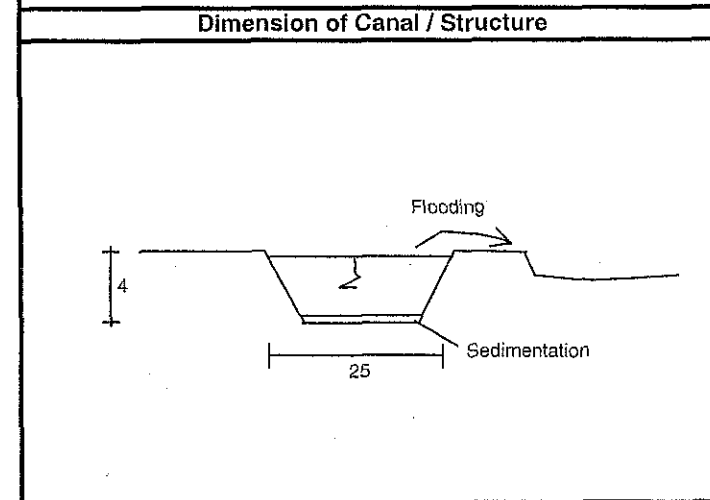
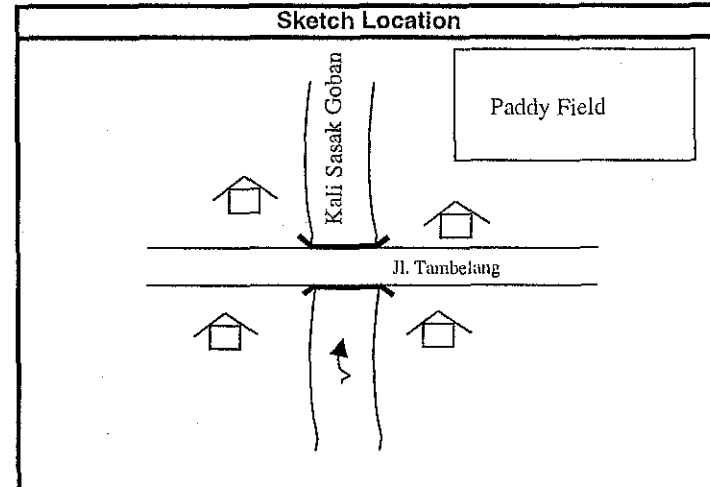
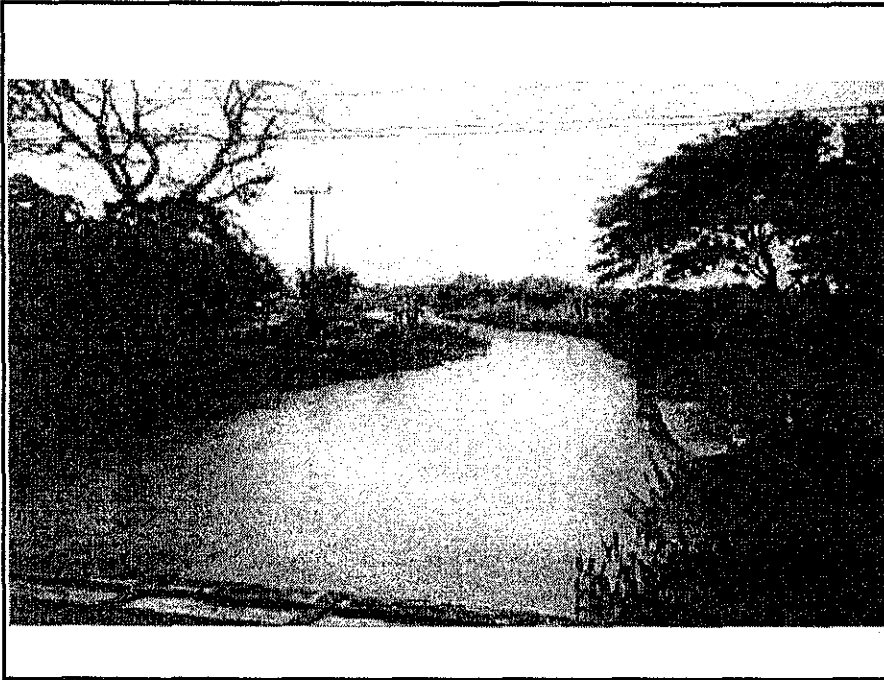


Remarks :

Erosion in riverbank and existing dike was broken by contractor to use the soil embankment in other area (Perum. Asri, Bekasi), when flooded the inundation to other area.

DOCUMENTATION OF RIVER SURVEY 2003

Name of River / Canal	: Kali Sasak Goban	Date of Survey	: 21-02-2003
Location	: Kel. Sukabakti, Tambelang	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		



Remarks :

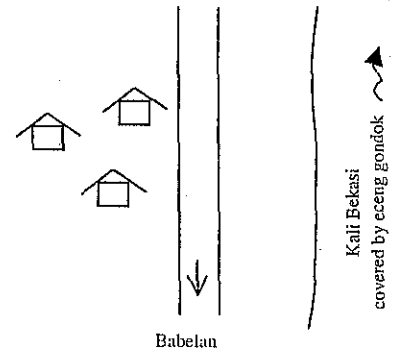
- Flooding when survey, inundation occurred to paddy field
- Mud sedimentation occurred along the sasak river.

DOCUMENTATION OF RIVER SURVEY 2003

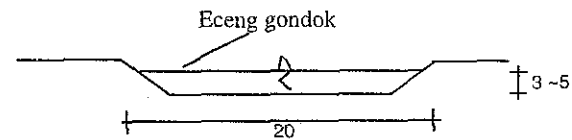
Name of River / Canal : Kali Bekasi Date of Survey : 24-02-2003
Location : Pantai Hurip Filled by : PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture :
Title :



Sketch Location



Dimension of Canal / Structure

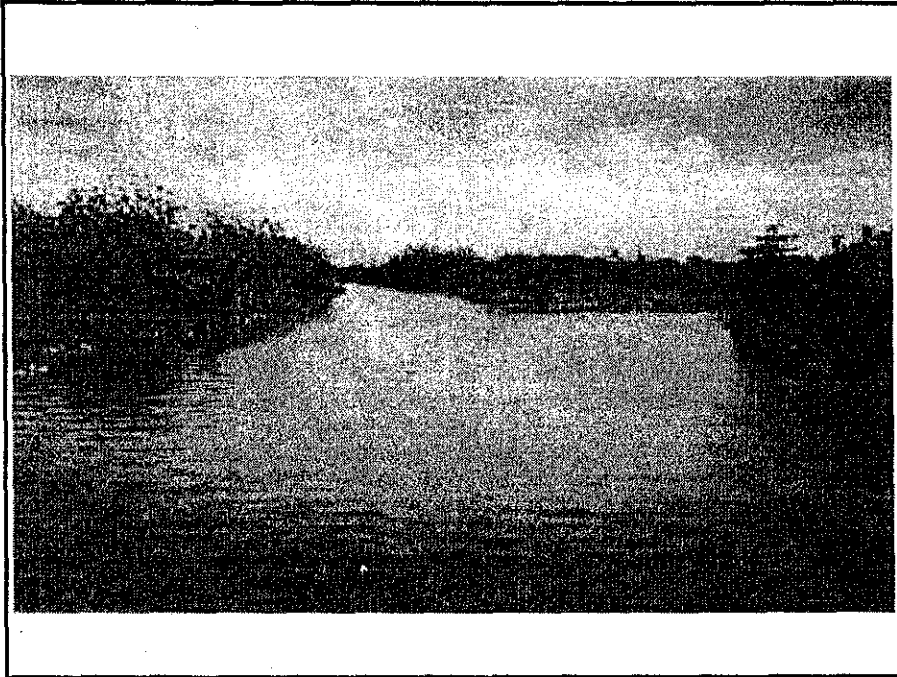


Remarks :

- Kali Bekasi has different depth from 3 ~ 5 m cause by sedimentation, part the area covered with water weeds planted by local people

DOCUMENTATION OF RIVER SURVEY 2003

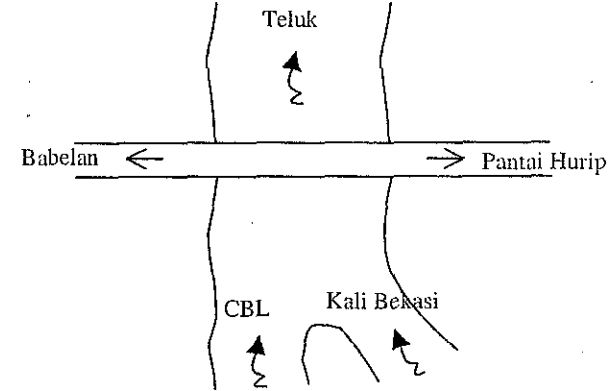
Name of River / Canal	: CBL	Date of Survey	: 24-02-2003
Location	: Pantai Hurip, Babelan	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		



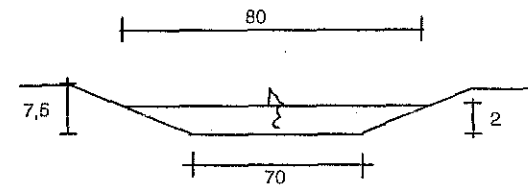
Remarks :

- Sedimentation in part of river.
- Erosion occurred the river.

Sketch Location

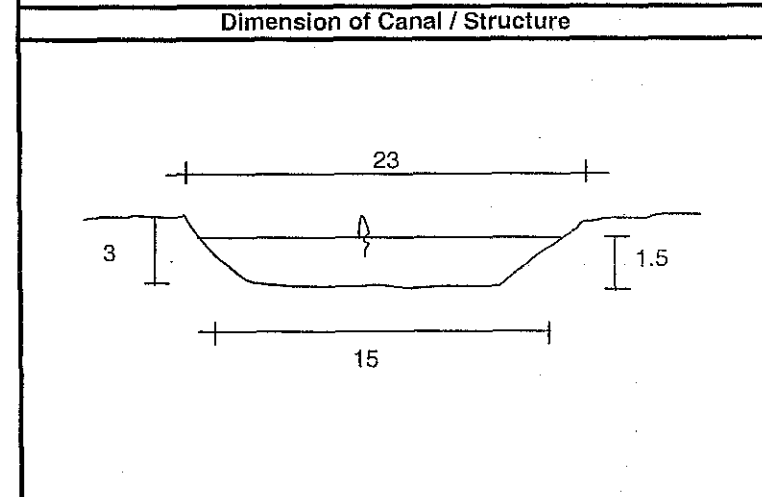
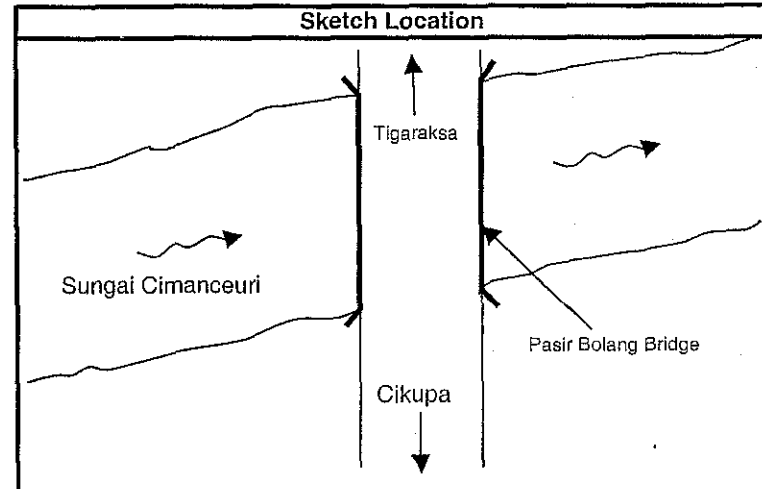
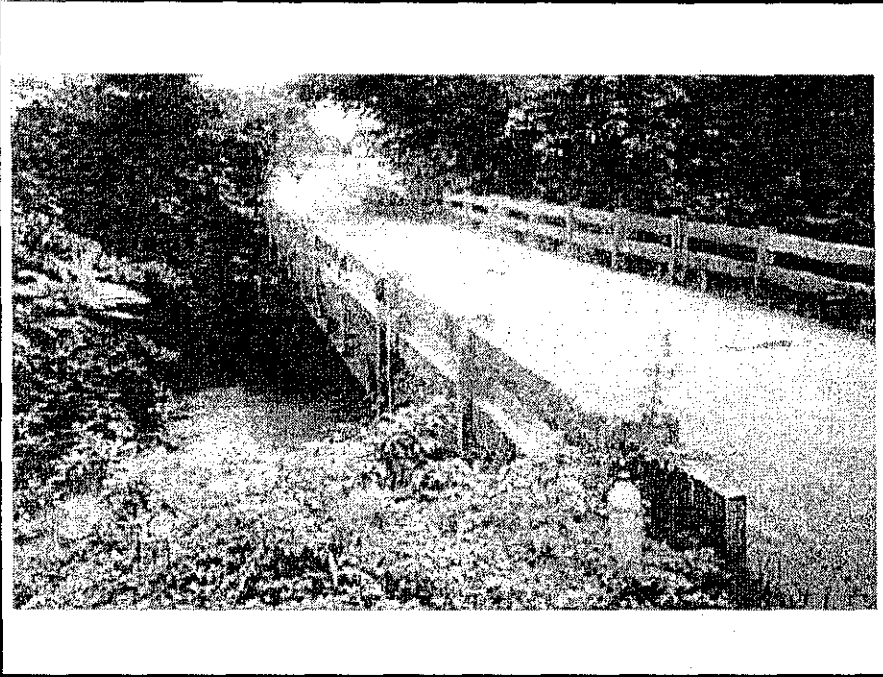


Dimension of Canal / Structure



DOCUMENTATION OF RIVER SURVEY 2003

Name of River / Canal	: Sungai Cimanceuri	Date of Survey	: 28-02-2003
Location	: Desa Cibadak	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		

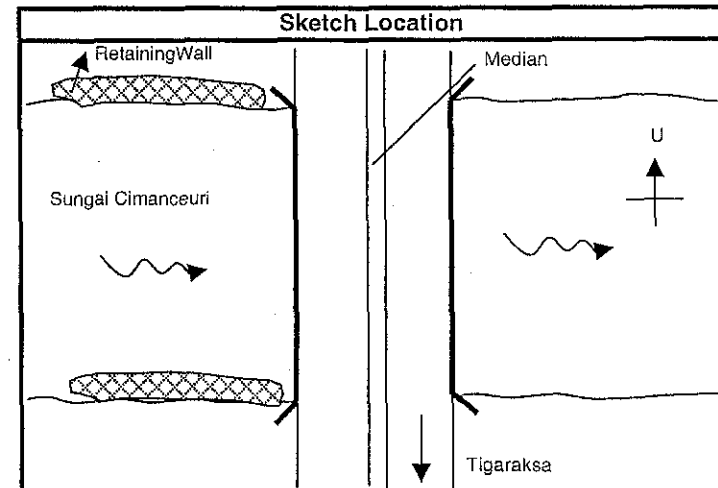
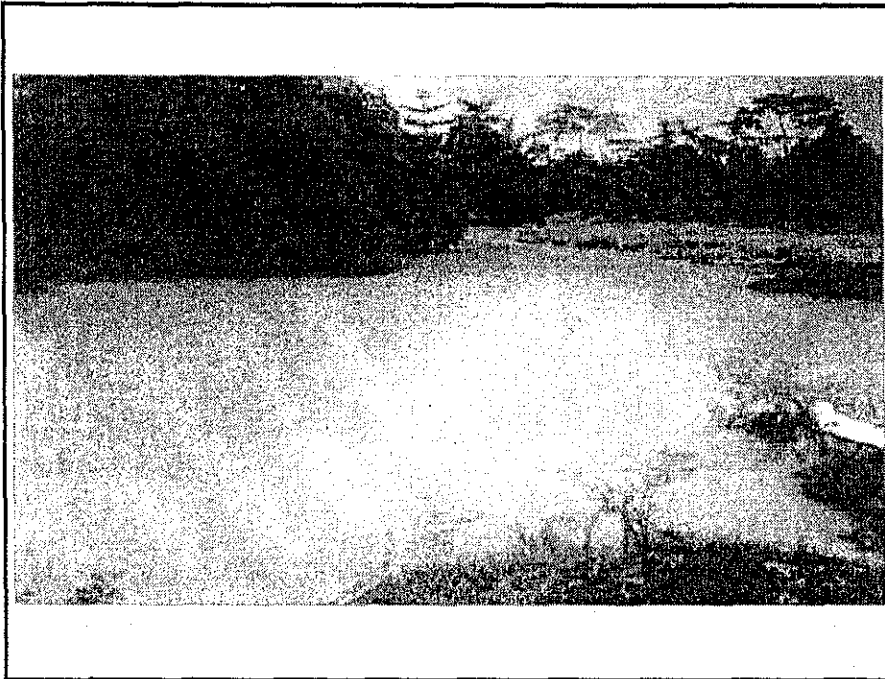


Remarks :

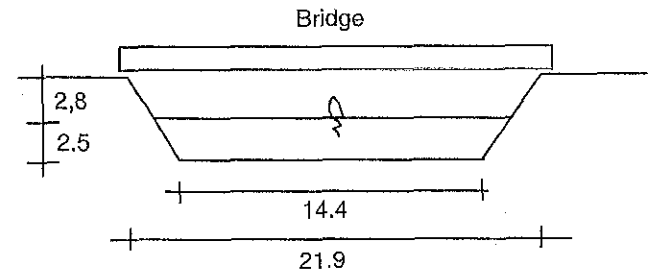
- River condition during flood, water level increase 1,5 m from the normal condition

DOCUMENTATION OF RIVER SURVEY 2003

Name of River / Canal	: Sungai Cimanceuri	Date of Survey	: 28-02-2003
Location	: Jl.Raya Tigaraksa	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	: Kec.Cikupa		
Title	:		



Dimension of Canal / Structure



Remarks :

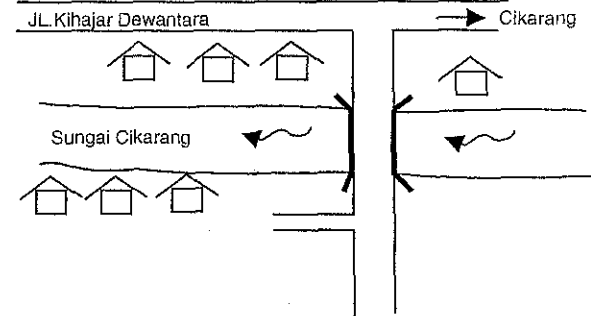
- Flooding condition during 2003 survey, 2.5 m increase of water level compare to normal condition.

DOCUMENTATION OF RIVER SURVEY 2003

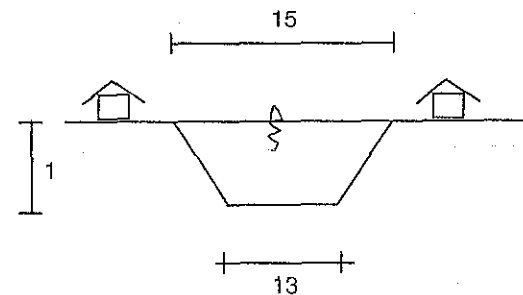
Name of River / Canal	: Sungai Cikarang	Date of Survey	: 17-02-2002
Location	: Kec, Sukatani	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		



Sketch Location



Dimension of Canal / Structure

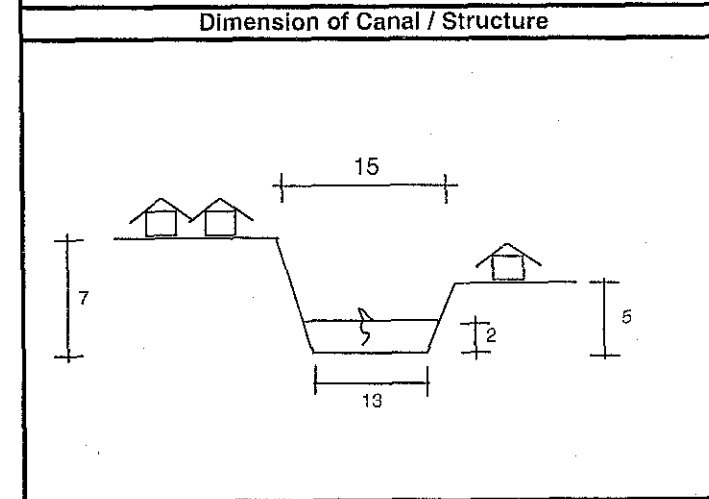
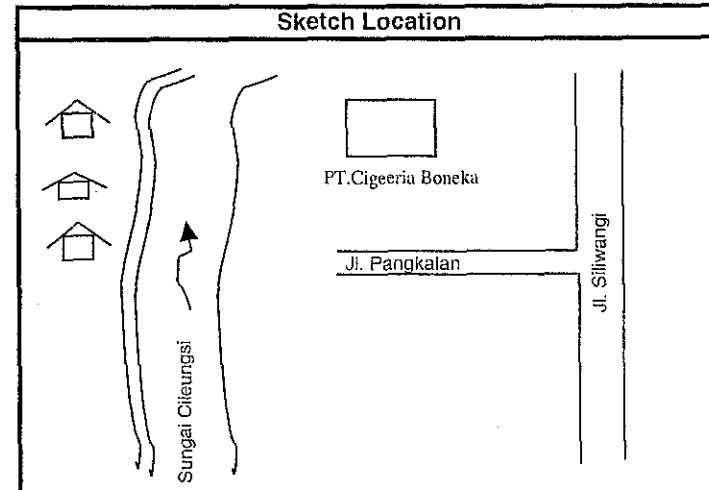
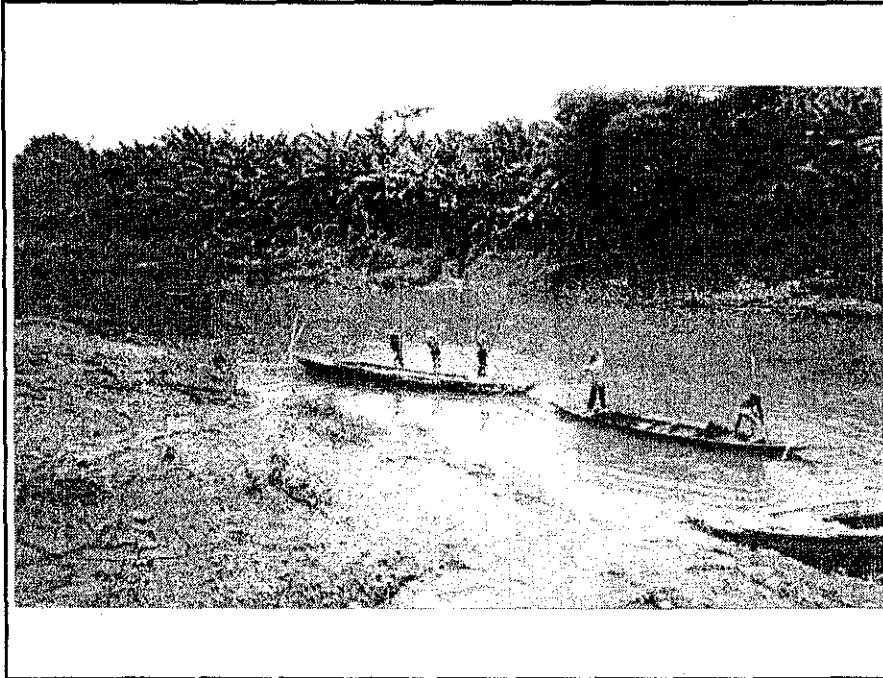


Remarks :

- Drainase is not infuction. Backwater flooding may happen from tidal influence.

DOCUMENTATION OF RIVER SURVEY 2003

Name of River / Canal	: Sungai Cileungsi	Date of Survey	: 28-02-2003
Location	: Bantar Gebang	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		

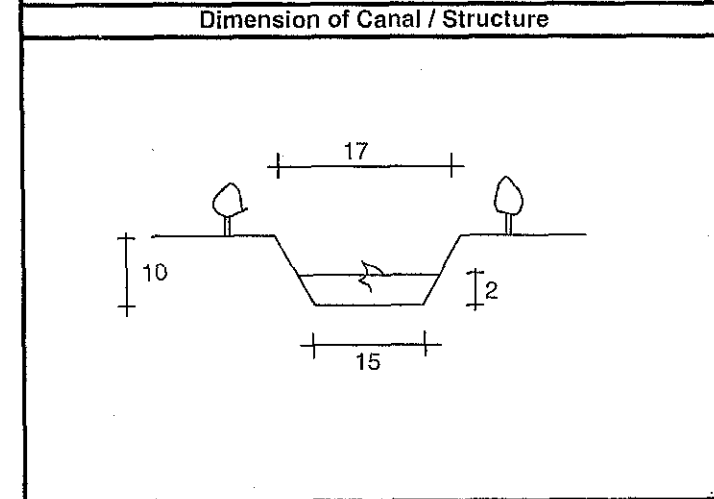
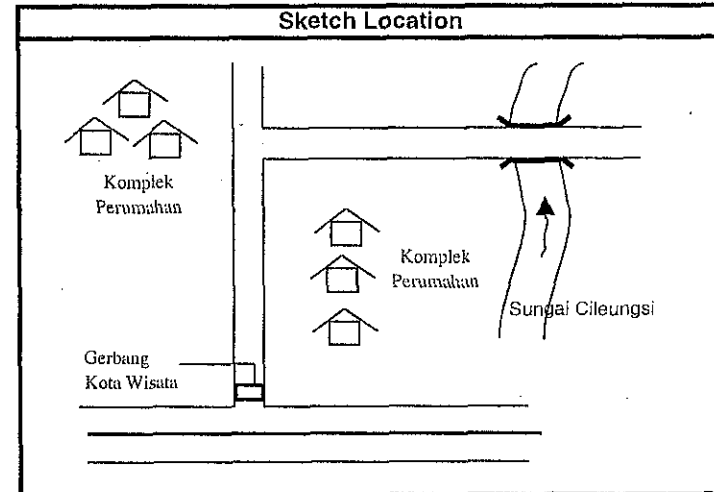


Remarks :

- Sand quarry collecting, from the river as small scale business, change the flowcapacity of the river course.

DOCUMENTATION OF RIVER SURVEY 2003

Name of River / Canal	: Sungai Cileungsi	Date of Survey	: 28-02-2003 #
Location	: Kota Wisata	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		

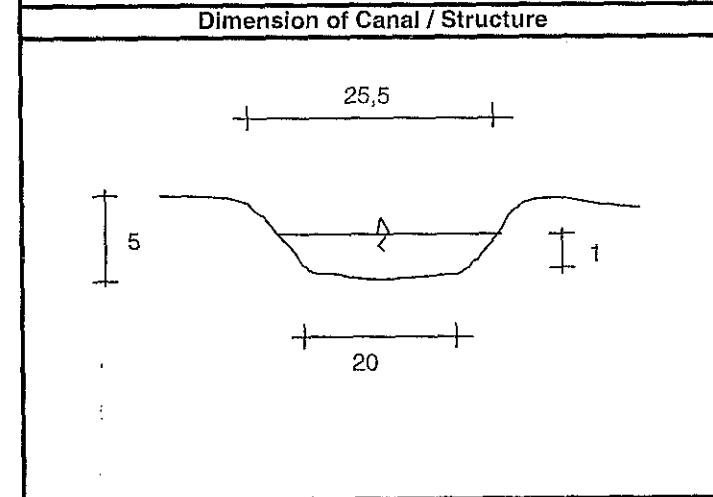
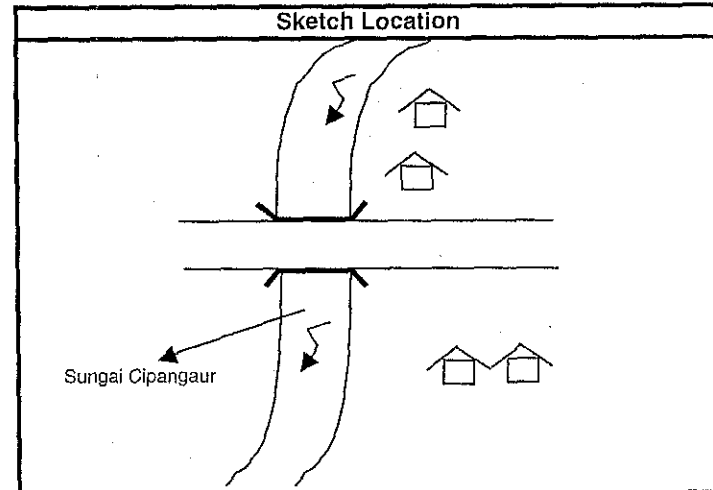


Remarks :

- There are sand quarry by people along the river

DOCUMENTATION OF RIVER SURVEY 2003

Name of River / Canal : Sungai Cipangaur Date of Survey : 3-03-2003
Location : Desa Bogor Filled by : PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture :
Title :

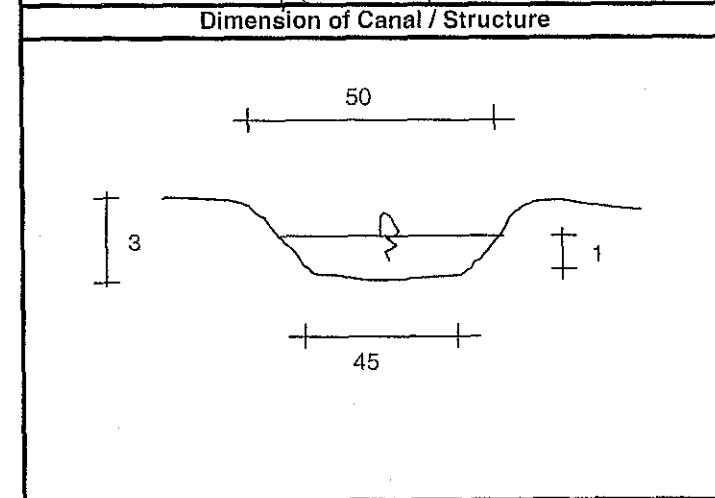
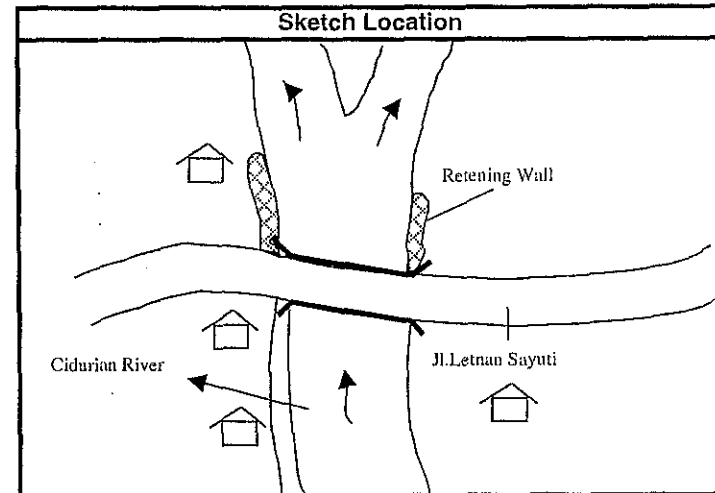
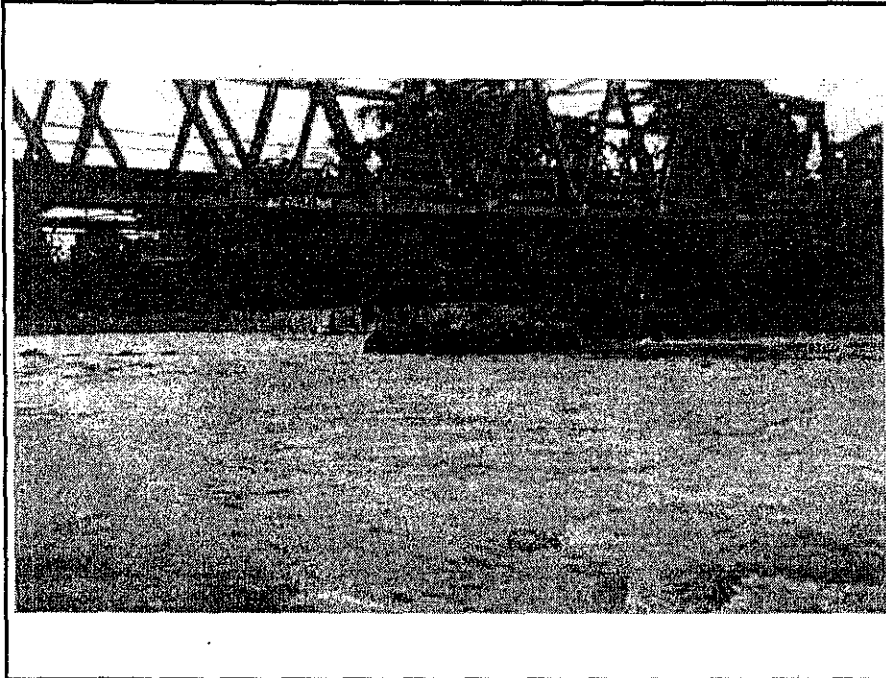


Remarks :

- There are sand quarry by people along the river

DOCUMENTATION OF RIVER SURVEY 2003

Name of River / Canal	: Sungai Cidurian	Date of Survey	: 3-03-2003
Location	: Kec. Jasinga	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		

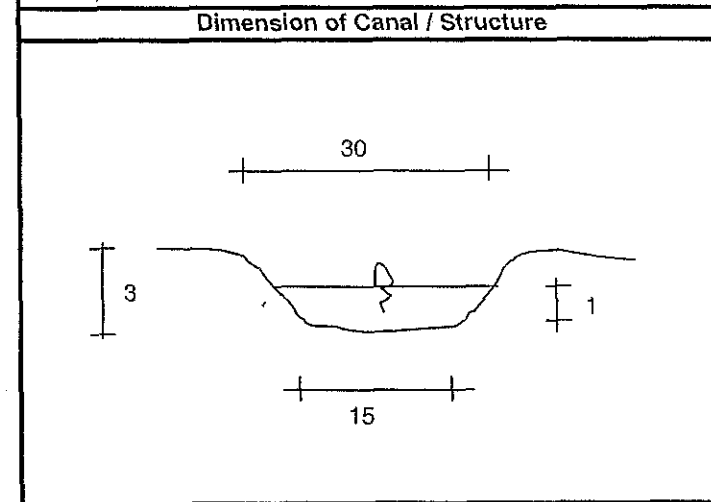
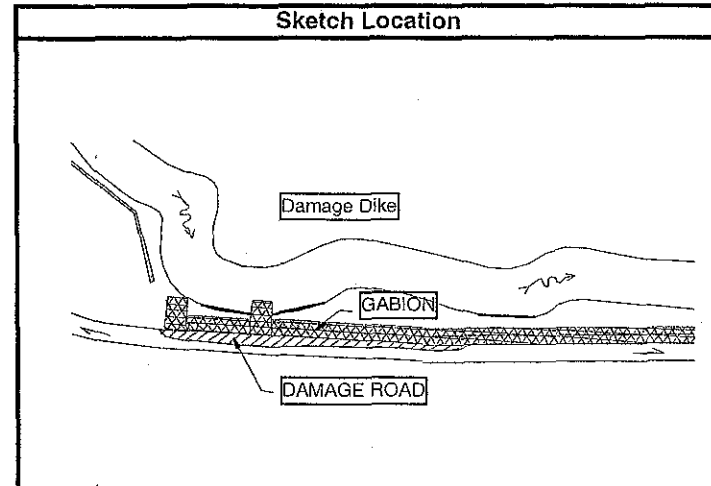
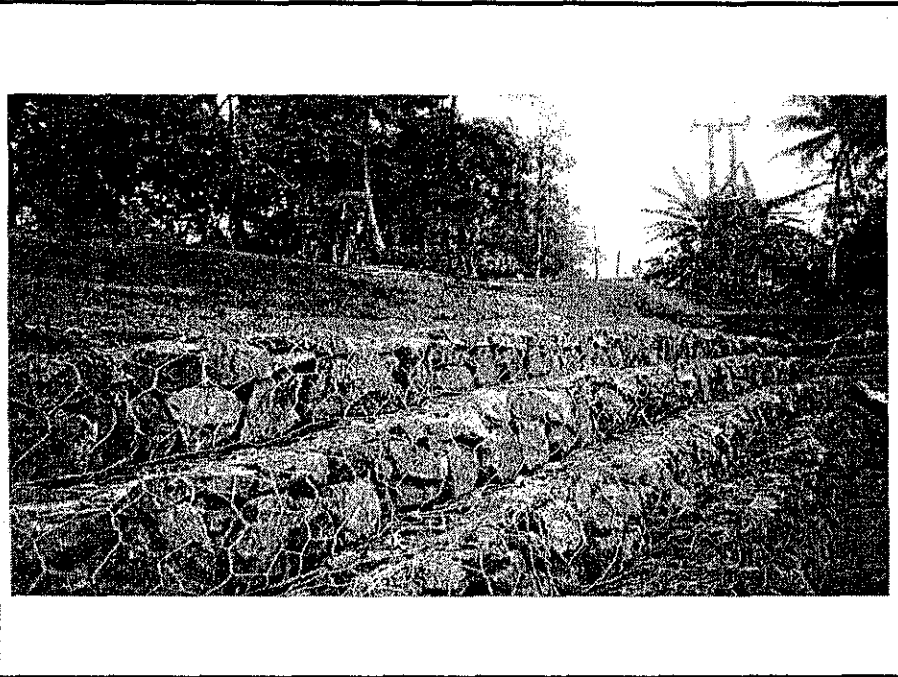


Remarks :

- Sand collector or quarrying from riverbed cause flow change of the water course.

DOCUMENTATION OF RIVER SURVEY 2003

Name of River / Canal	: Cidurian River	Date of Survey	: 22-03-2003
Location	: Desa Pasir Ampo, Tangerang	Filled by	: PT. MITRAPACIFIC CONSULINDO INTERNATIONAL
No. of Picture	:		
Title	:		



Remarks :

- Road alignment is too close to the river.
- Gabion in Pasir Ampo was not working during flood 2002, land slide happened to the road above the gabion.