

**LEGEND**

	Existing Triangulation Point		Electric Power Line
	GPS Point		Cutting and Embankment
	Existing Bench Mark		Swamp
	Spot Height		Muslim graves
	House / Building		Christian cemetery
	Factory		Chinese graves
	Public Hall		Paddy field
	Police Station		Boundary of Vegetation
	Fire Station		Field
	Post Office		Forest
	Mosque		Grass
	Church		Pumphouse
	Hospital		Tree
	School		Water hole
	Market		Lubang Air
	Telephone Office		Sluice
	Government Office		Gate
	Hotel		Contour Line
	Gasoline Pump		Garis Kontur
	Road		Pond, lake
	Path		Kolam, danau
	Bridge		Sand
	Station		Pasir
	Subdistrict Boundary		Land Slide
	Village Boundary		Tebing
			a. River / Sungai
			b. Rivulet / Anak Sungai
			c. Direction / Arah Sungai

**INDEX MAP**

- Aerial Photography ( 1 / 25.000 ) : August 2001

- Topographic map ( 1 / 5.000 ) : October 2001

- Horizontal System : UTM ( 51 Zone )

- Elevation System : MSL

- Contour Interval : 1 m

**DIRECTORATE GENERAL OF WATER RESOURCES,  
MINISTRY OF SETTLEMENT AND REGIONAL INFRASTRUCTURE**

**THE STUDY ON FLOOD CONTROL AND WATER MANAGEMENT  
IN LIMBOTO - BOLANGO - BONE BASIN**

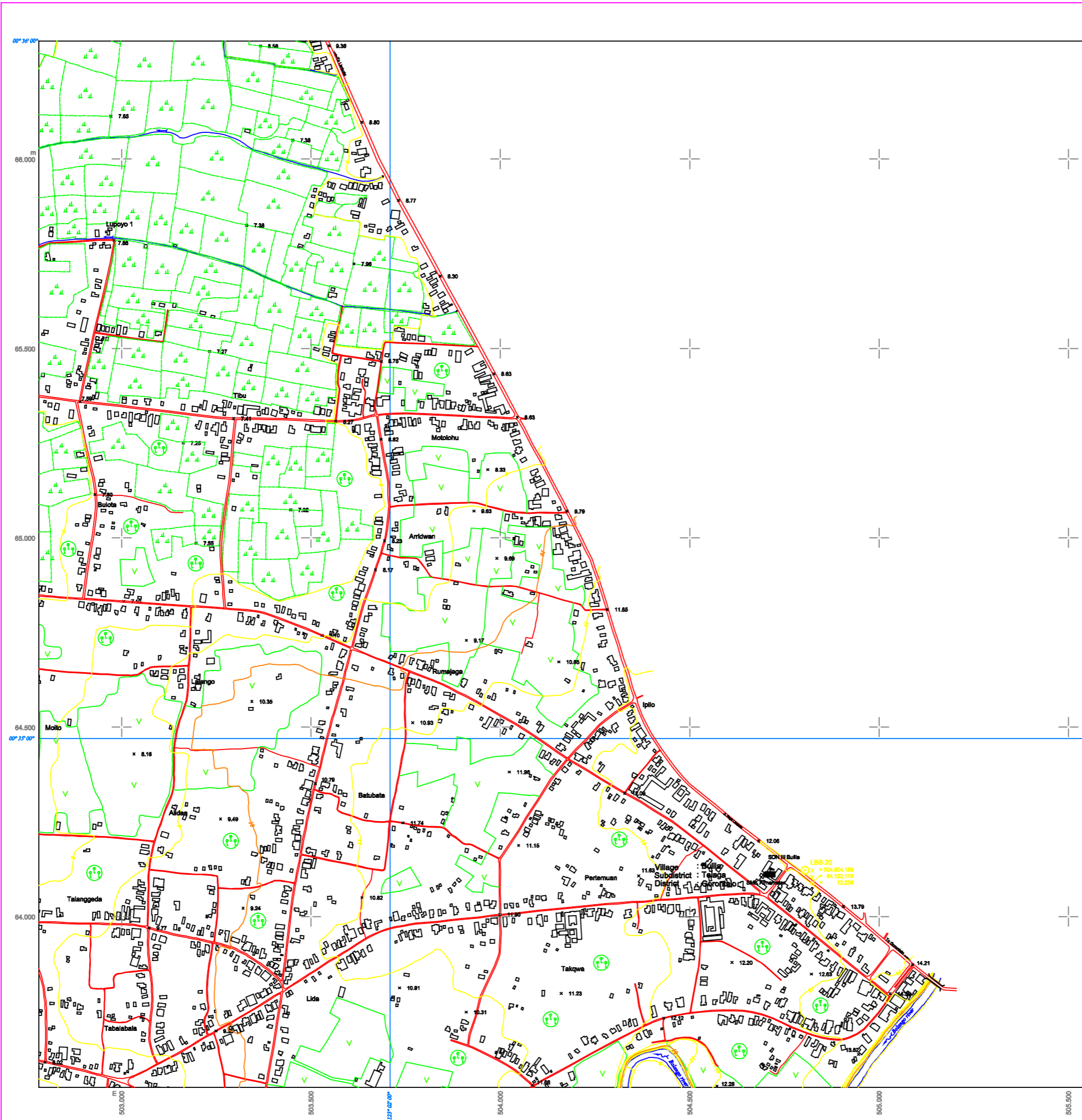
**TOPOGRAPHIC MAP : LAKE LIMBOTO**

Checked by		Approved by	
Name	PT. ATLAS DELTASATYA	Name	Isoo Boashita
Signature		Signature	
Date	October 9, 2001	Date	October 19, 2001

**JICA**  
JAPAN INTERNATIONAL  
COOPERATION AGENCY

**PT. ATLAS DELTASATYA**  
JALAN ...  
TEL : ... FAX : ...

SHEET No.  
**09/17**



**N**

0 100 200 300 400 500 Meter

**LEGEND**

▲ Existing Triangulation Point Titik Tetap Triangulasi	⊕ GPS Point Titik GPS	□ Existing Bench Mark Bench Mark	⊗ Spot Height Titik Tinggi	⊠ House / Building Bangunan	Ⓜ Factory Pabrik	Ⓜ Public Hall Balai Kota	Ⓜ Police Station Kantor Polisi	Ⓜ Fire Station Stasiun Pemadam Kebakaran	Ⓜ Post Office Kantor Pos	Ⓜ Mosque Mesjid	Ⓜ Church Gereja	Ⓜ Hospital Rumah Sakit	Ⓜ School Sekolahan	Ⓜ Market Pasar	Ⓜ Telephone Office Kantor Telepon	Ⓜ Government Office Kantor Pemerintahan	Ⓜ Hotel Hotel	Ⓜ Gasoline Pump Pompa Bensin	Ⓜ Road Jalan	Ⓜ Path Jalan Setapak	Ⓜ Bridge Jembatan	Ⓜ Station Stasiun	Ⓜ Subdistrict Boundary Batas Kecamatan	Ⓜ Village Boundary Batas Kelurahan	Ⓜ Electric Power Line Jalur Tegangan Tinggi	Ⓜ Cutting and Embankment Kerukan dan Timbunan	Ⓜ Swamp Rawe	Ⓜ Muslim graves Kuburan Muslim	Ⓜ Christian cemetery Kuburan Kristen	Ⓜ Chinese graves Kuburan Cina	Ⓜ Paddy field Sawah	Ⓜ Boundary of Vocation Batas Tanaman	Ⓜ Field Ladang	Ⓜ Forest Rutan	Ⓜ Grass Rumput	Ⓜ Tree Pohon	Ⓜ Water hole Lubang Air	Ⓜ Sluice Pintu Air	Ⓜ Pipe Culvert Gorong - gorong	Ⓜ Monuments Tugu	Ⓜ Contour Line Garis Kontur	Ⓜ Pond, lake Kolam, danau	Ⓜ Sand Pasir	Ⓜ Land Slide Tebing	Ⓜ a. River / Sungai	Ⓜ b. Rivulet / Anak Sungai	Ⓜ c. Direction / Arah Sungai
---	--------------------------	-------------------------------------	-------------------------------	--------------------------------	---------------------	-----------------------------	-----------------------------------	---	-----------------------------	--------------------	--------------------	---------------------------	-----------------------	-------------------	--------------------------------------	--	------------------	---------------------------------	-----------------	-------------------------	----------------------	----------------------	---	---------------------------------------	--	--	-----------------	-----------------------------------	---	----------------------------------	------------------------	---	-------------------	-------------------	-------------------	-----------------	----------------------------	-----------------------	-----------------------------------	---------------------	--------------------------------	------------------------------	-----------------	------------------------	---------------------	----------------------------	------------------------------

**INDEX MAP**

- Aerial Photography ( 1/25,000 ) : August 2001  
 - Topographic map ( 1/5,000 ) : October 2001  
 - Horizontal System : UTM ( 51 Zone )  
 - Elevation System : MSL  
 - Contour interval : 1 m

**DIRECTORATE GENERAL OF WATER RESOURCES,  
MINISTRY OF SETTLEMENT AND REGIONAL INFRASTRUCTURE**

**THE STUDY ON FLOOD CONTROL AND WATER MANAGEMENT  
IN LIMBOTO - BOLANGO - BONE BASIN**

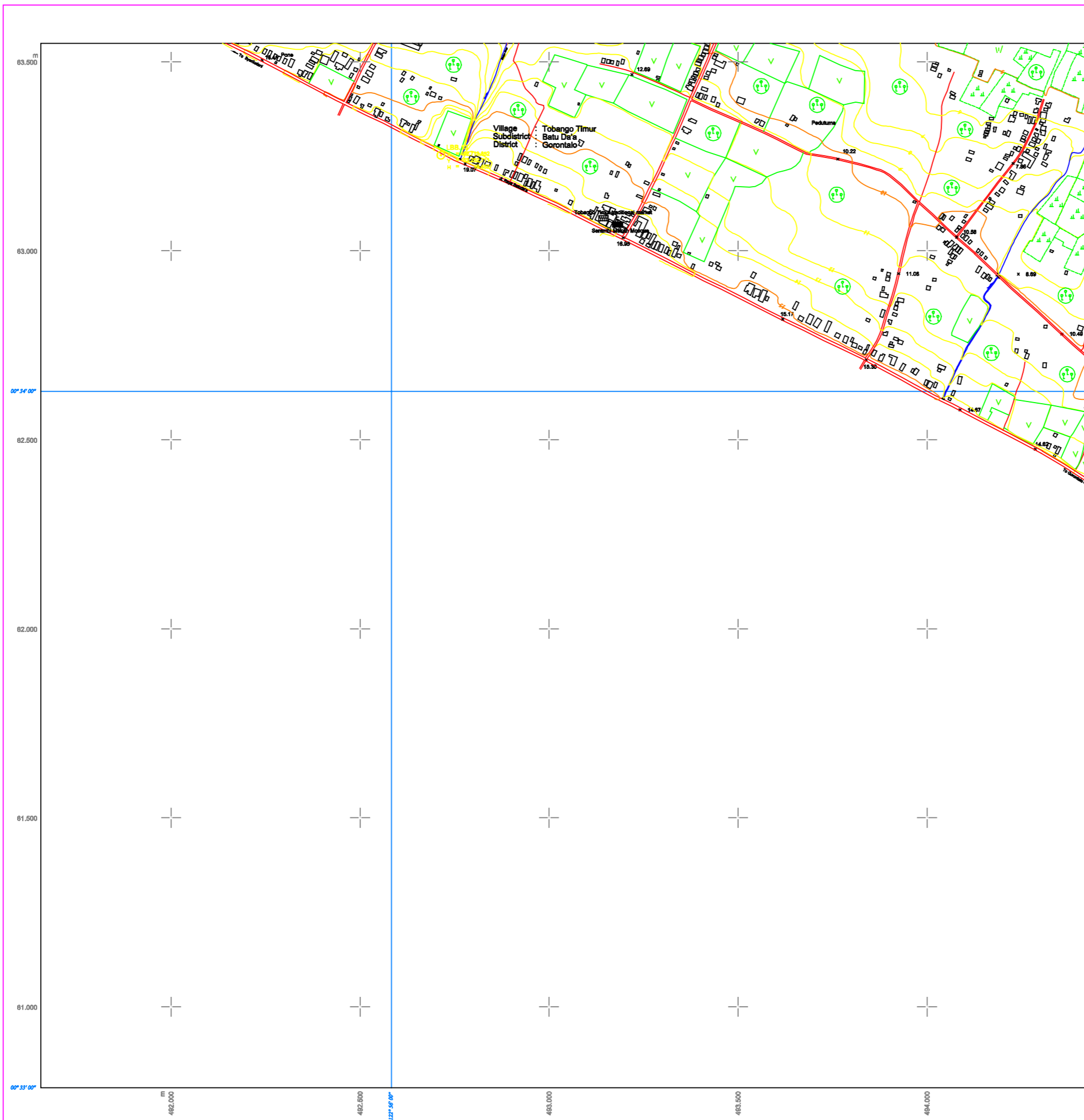
**TOPOGRAPHIC MAP : LAKE LIMBOTO**


Checked by		Approved by	
Name	PT. ATLAS DELTASATYA	Name	Iseo Itohama
Signature		Signature	
Date	October 9, 2001	Date	October 19, 2001

**JICA** JAPAN INTERNATIONAL  
COOPERATION AGENCY


**PT. ATLAS DELTASATYA**  
JALAN KH. YUSUF KAHAR MUDA 100  
KOTA SURABAYA 60132

SHEET No.  
**10/17**





**N**

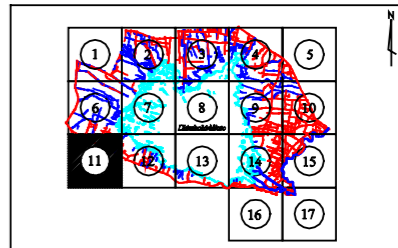


0 100 200 300 400 500 Meter


**LEGEND**

<ul style="list-style-type: none"> <li> Existing Triangulation Point</li> <li> GPS Point</li> <li> Existing Bench Mark</li> <li> Spot Height</li> <li> House / Building</li> <li> Factory</li> <li> Public Hall</li> <li> Police Station</li> <li> Fire Station</li> <li> Post Office</li> <li> Mosque</li> <li> Church</li> <li> Hospital</li> <li> School</li> <li> Market</li> <li> Telephone Office</li> <li> Government Office</li> <li> Hotel</li> <li> Gasoline Pump</li> <li> Road</li> <li> Path</li> <li> Bridge</li> <li> Station</li> <li> Subdistrict Boundary</li> <li> Village Boundary</li> </ul>	<ul style="list-style-type: none"> <li> Electric Power Line</li> <li> Cutting and Embankment</li> <li> Swamp</li> <li> Muslim graves</li> <li> Christian cemetery</li> <li> Chinese graves</li> <li> Paddy field</li> <li> Boundary of Vegetation</li> <li> Field</li> <li> Forest</li> <li> Grass</li> <li> Tree</li> <li> Water hole</li> <li> Stupa</li> <li> Pipe Culvert</li> <li> Monument</li> <li> Contour Line</li> <li> Pond, lake</li> <li> Sand</li> <li> Land Slide</li> <li> a. River / Sungai</li> <li> b. Rivulet / Anak Sungai</li> <li> c. Direction / Arah Sungai</li> </ul>
---	---

**INDEX MAP**



- Aerial Photography ( 1/ 25,000 )	: August 2001
- Topographic map ( 1 / 5,000 )	: October 2001
- Horizontal System	: UTM ( 51 Zone )
- Elevation System	: MSL
- Contour interval	: 1 m




**DIRECTORATE GENERAL OF WATER RESOURCES,  
MINISTRY OF SETTLEMENT AND REGIONAL INFRASTRUCTURE**


**THE STUDY ON FLOOD CONTROL AND WATER MANAGEMENT  
IN LIMBOTO - BOLANGO - BONE BASIN**

**TOPOGRAPHIC MAP : LAKE LIMBOTO**

Checked by	Approved by
Name PT. ATLAS DELTASATYA	Isao Ikeshima
Signature	
Date October 9, 2001	October 19, 2001

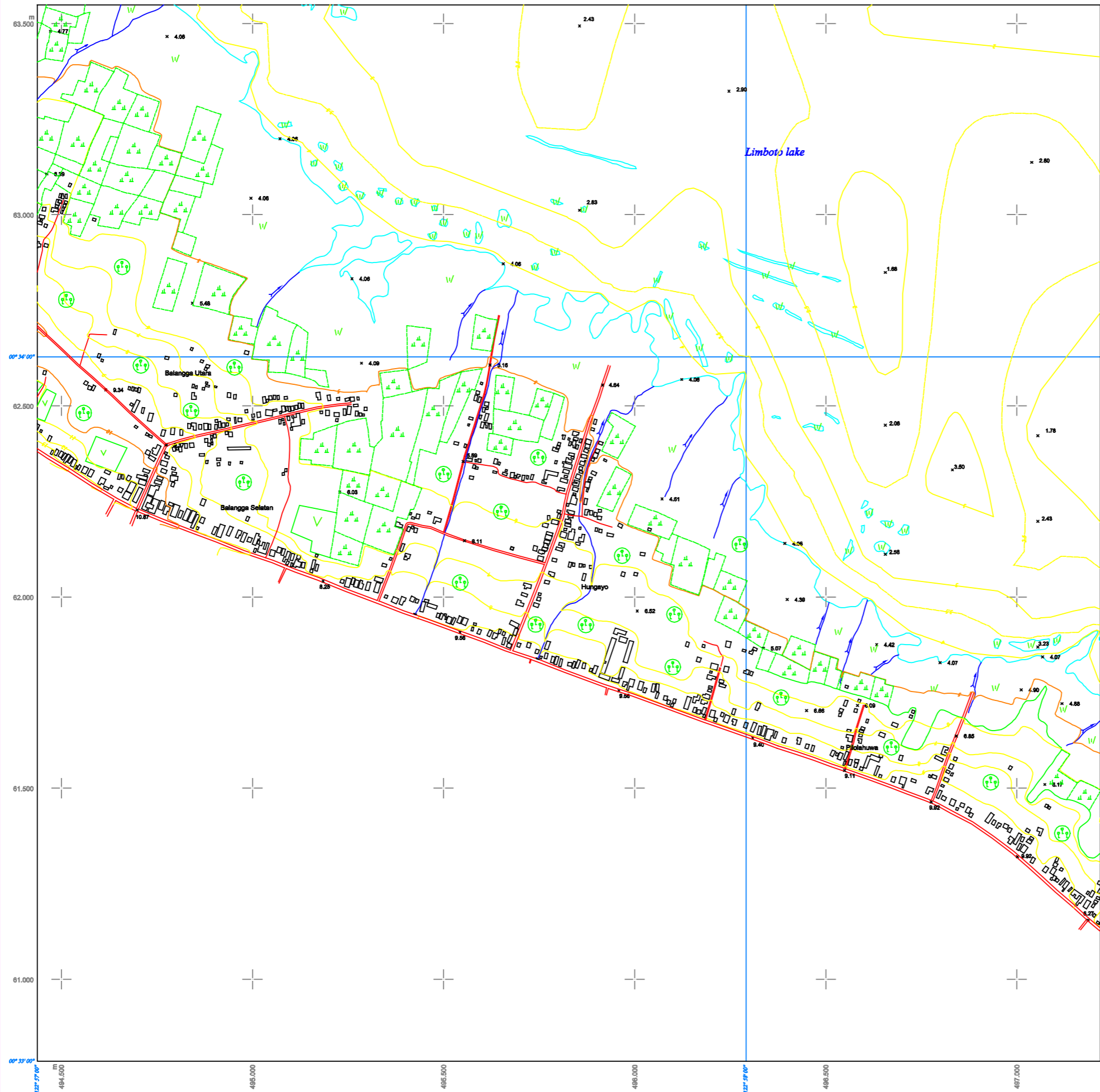


**JICA** JAPAN INTERNATIONAL  
COOPERATION AGENCY



**PT. ATLAS DELTASATYA**  
JALAN BOLA BOLA KEMAS, KEMAS, BONE, SULAWESI SELATAN

SHEET No.  
**11/17**



LEGEND

<ul style="list-style-type: none"> <li> Existing Triangulation Point</li> <li> Spot Height</li> <li> Existing Bench Mark</li> <li> House / Building</li> <li> Factory</li> <li> Public Hall</li> <li> Police Station</li> <li> Fire Station</li> <li> Post Office</li> <li> Mosque</li> <li> Church</li> <li> Hospital</li> <li> School</li> <li> Market</li> <li> Telephone Office</li> <li> Government Office</li> <li> Hotel</li> <li> Gasoline Pump</li> <li> Road</li> <li> Path</li> <li> Bridge</li> <li> Station</li> <li> Subdistrict Boundary</li> <li> Village Boundary</li> </ul>	<ul style="list-style-type: none"> <li> Electric Power Line</li> <li> Cutting and Embankment</li> <li> Swamp</li> <li> Muslim graves</li> <li> Christian cemetery</li> <li> Chinese graves</li> <li> Paddy field</li> <li> Boundary of Vegetation</li> <li> Field</li> <li> Forest</li> <li> Grass</li> <li> Tree</li> <li> Water hole</li> <li> Pipe Culvert</li> <li> Monumenta</li> <li> Contour Line</li> <li> Pond, lake, Kolam, danau</li> <li> Sand</li> <li> Land Slide</li> <li> a. River / Sungai</li> <li> b. Rhulet / Anak Sungai</li> <li> c. Direction / Arah Sungai</li> </ul>
---	---

**INDEX MAP**

- Aerial Photography ( 1/ 25.000 ) : August 2001  
 - Topographic map ( 1 / 5.000 ) : October 2001  
 - Horizontal System : UTM ( 51 Zone )  
 - Elevation System : MSL  
 - Contour Interval : 1 m

DIRECTORATE GENERAL OF WATER RESOURCES,  
 MINISTRY OF SETTLEMENT AND REGIONAL INFRASTRUCTURE

THE STUDY ON FLOOD CONTROL AND WATER MANAGEMENT  
 IN LIMBOTO - BOLANGO - BONE BASIN

TOPOGRAPHIC MAP : LAKE LIMBOTO

Checked by		Approved by	
Name	PT. ATLAS DELTASATYA	Name	Isao Koshima
Signature		Signature	
Date	October 9,2001	Date	October 19,2001

**JICA**  
JAPAN INTERNATIONAL  
COOPERATION AGENCY

**PT. ATLAS DELTASATYA**  
JALAN ...

SHEET No.  
**12/17**