

N

0 100 200 300 400 500 Meter

LEGEND

<ul style="list-style-type: none"> ▲ Existing Triangulation Point ⊙ GPS Point ⊙⊙⊙ Triak GPS ⊠ Edding Bench Mark ⊠ Bench Mark ⊙ x 12.80 Spot Height ⊙ Triak Tinggi ⊠ House / Building ⊠ Bangunan ⊠ Factory ⊠ Parkir ⊠ Public Hall ⊠ Balai Kota ⊠ Police Station ⊠ Kantor Polisi ⊠ Fire Station ⊠ Stasiun Pemadam Kebakaran ⊠ Post Office ⊠ Kantor Pos ⊠ Mosque ⊠ Masjid ⊠ Church ⊠ Gereja ⊠ Hospital ⊠ Rumah Sakit ⊠ School ⊠ Sekolah ⊠ 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 	<ul style="list-style-type: none"> ⊠ Electric Power Line ⊠ Jalur Tegangan Tinggi ⊠ Cutting and Embankment ⊠ Kerukan dan Timbunan ⊠ Swamp ⊠ Rawa ⊠ Muslim graves ⊠ Kuburan Muslim ⊠ Christian cemetery ⊠ Kuburan Kristen ⊠ Chinese graves ⊠ Kuburan Cina ⊠ Paddy field ⊠ Sawah ⊠ Boundary of Vegetation ⊠ Batas Tanaman ⊠ Field ⊠ Ladang ⊠ Forest ⊠ Hutan ⊠ Grass ⊠ Rumpuk ⊠ Tree ⊠ Pohon ⊠ Water hole ⊠ Lubang Air ⊠ Spring ⊠ Puncu 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
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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 Ikuhara
Signature		Signature	
Date	October 8, 2001	Date	October 19, 2001

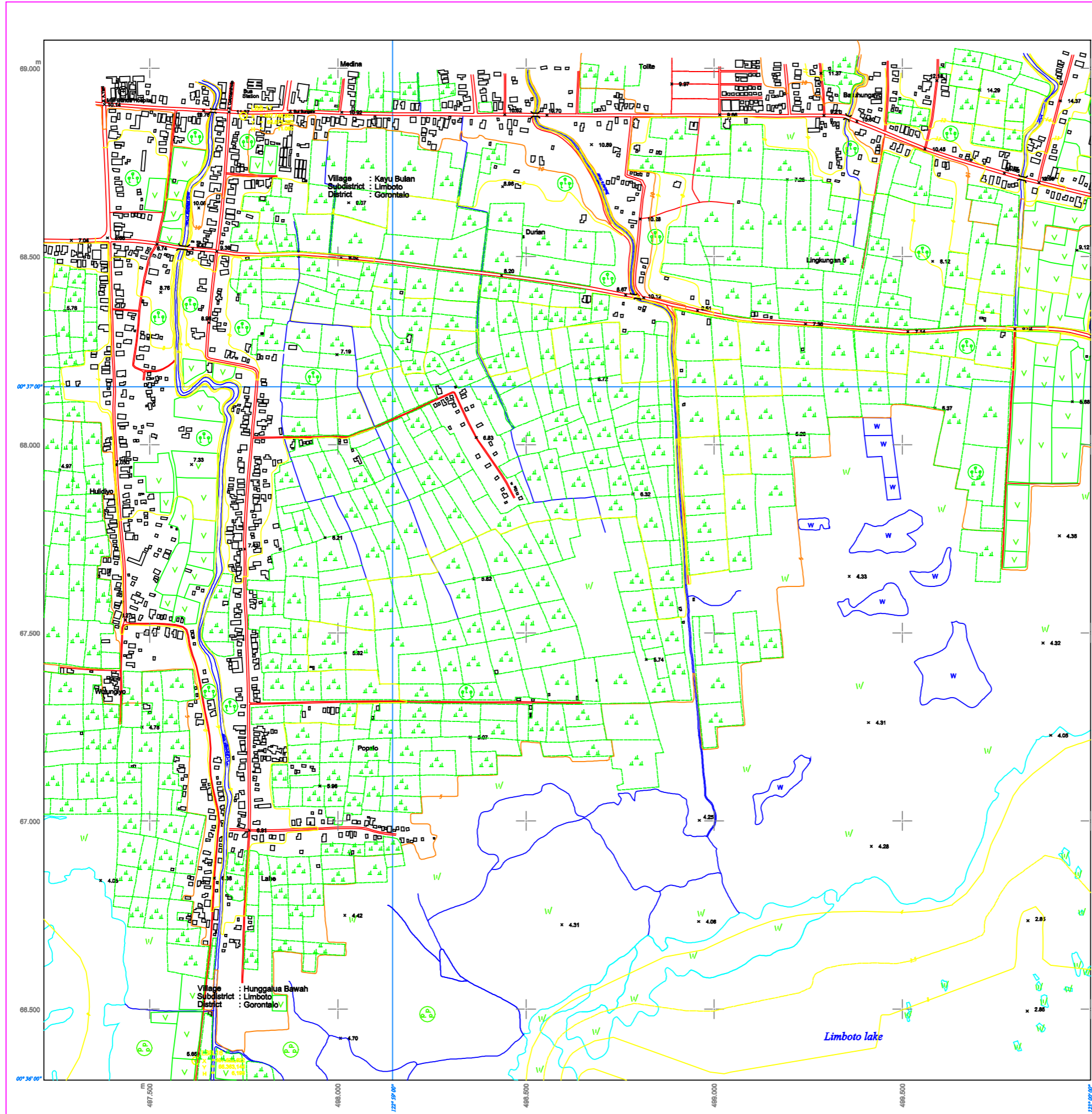
JICA


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PT. ATLAS DELTASATYA

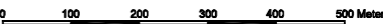
100% LOCAL OWNERSHIP

SHEET No.
02/17





















































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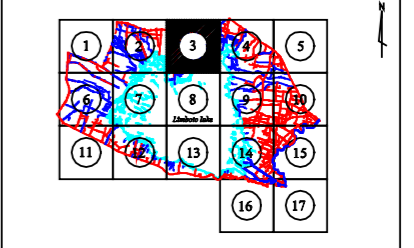


0 100 200 300 400 500 Meter


LEGEND

<ul style="list-style-type: none">  Existing Triangulation Point Titik Tebal 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 Masjid  Church Gereja  Hospital Rumah Sakit  School Sekolahan  Market Pasar  Telephone Office Kantor Telepon  Government Office Kantor Pemerintahan  Hotel  Gasoline Pump Pompa Bensin  Road Jalan  Path Jalan Setapak  Bridge Jembatan  Station Stasiun  Subdistrict Boundary Batas Kecamatan  Village Boundary Batas Kelurahan 	<ul style="list-style-type: none">  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 Vegetation Batas Tanaman  Field Ladang  Forest Hutan  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
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TOPOGRAPHIC MAP : LAKE LIMBOTO

Checked by	Approved by
Name PT. ATLAS DELTASATYA	Isao Itohama
Signature	[Signature]
Date October 8, 2001	October 10, 2001

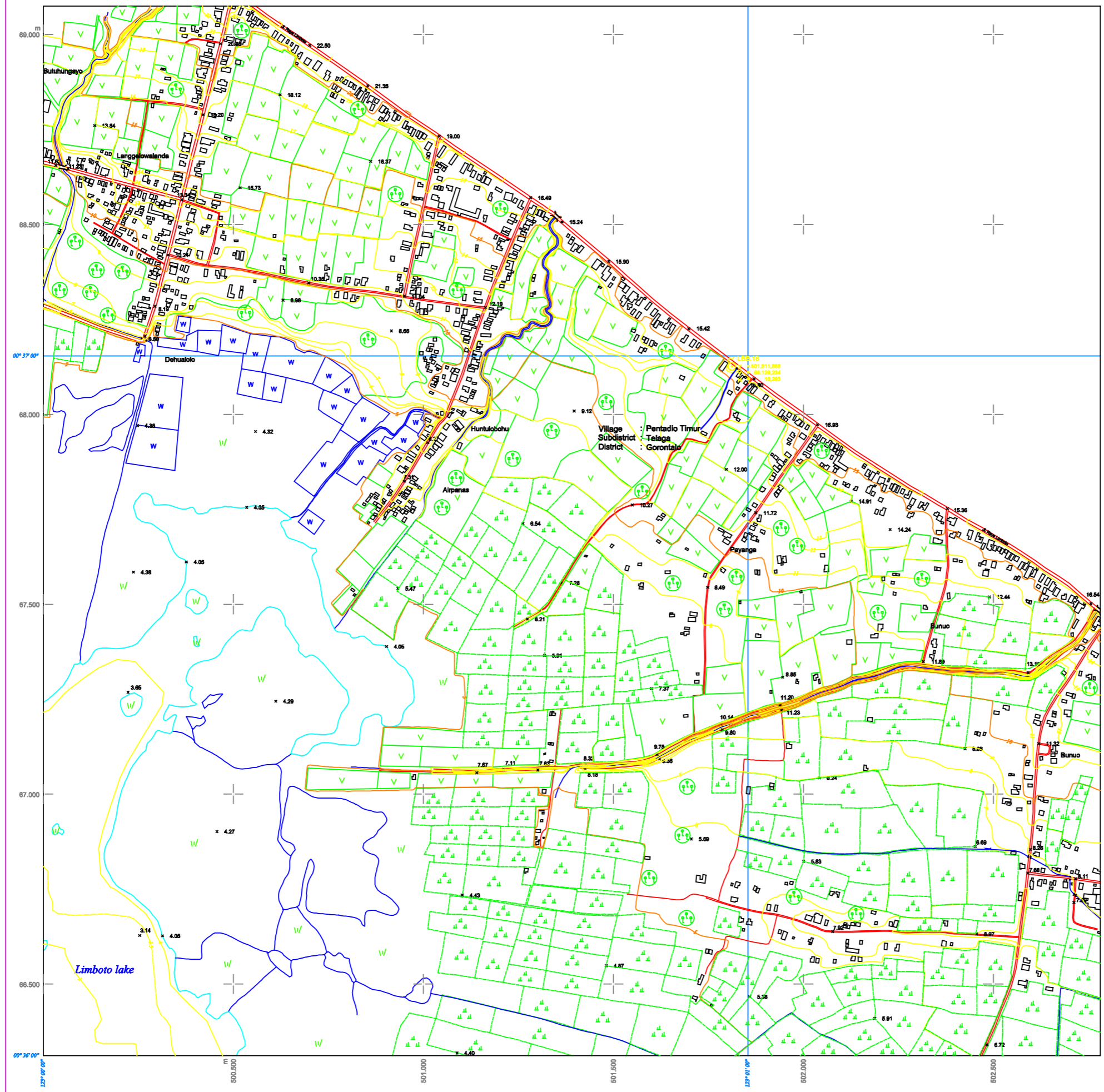



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Kec. Bontomatene, Kota Makassar, Sulawesi Selatan, Indonesia

SHEET No.
03/17



N

0 100 200 300 400 500 Meter

LEGEND

△ Existing Triangulation Point Titik Tetap Triangulasi	⊕ GPS Point Titik GPS	□ Existing Bench Mark Benah Mark	x 12.85 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 Masjid	Ⓜ 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 Sepiapak	Ⓜ 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 Vegetation Batas Tanaman	Ⓜ Field Ladang	Ⓜ Forest Hutan	Ⓜ 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
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TOPOGRAPHIC MAP : LAKE LIMBOTO

Checked by		Approved by	
Name	PT. ATLAS DELTASATYA	Name	Isao Iwashima
Signature		Signature	
Date	October 9, 2001	Date	October 10, 2001

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COOPERATION AGENCY

PT. ATLAS DELTASATYA
Jl. ...

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04/17