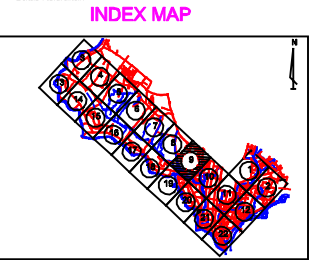


LEGEND

▲ Existing Triangulation Point	⚡ Electric Power Line
⊕ TBM Triangulation	⚡ JAWF Tegangan Tinggi
○ GNG Point	⚡ Cutting and Embankment
⊕ TBM GCP	⚡ KUDURAN CUT THROUGH
⊕ Existing Bench Mark	⚡ Swamp
⊕ BENCH MARK	⚡ PASIR
⊕ Spot Height	⊕ Muslim graves
⊕ TBM TBMSP	⊕ KUDURAN TUBAH
⊕ House / Building	⊕ Christian cemetery
⊕ BERGAMBAT	⊕ KUDURAN KRABAN
⊕ Factory	⊕ Chinese graves
⊕ BENTENG	⊕ KUDURAN CASI
⊕ Public Hall	⊕ Paddy field
⊕ BENTENG KORE	⊕ Sawah
⊕ Police Station	⊕ Boundary of Vegetation
⊕ KANTOR POLISI	⊕ BERSAS TANAMAN
⊕ Fire Station	⊕ PADI
⊕ BERSAS PAMANSAN KUDURAN	⊕ LINDUNG
⊕ Post Office	⊕ Forest
⊕ KANTOR POS	⊕ Hutan
⊕ Museum	⊕ Grass
⊕ Masjid	⊕ Rumput
⊕ Church	⊕ Tree
⊕ Gereja	⊕ Pokok
⊕ Hospital	⊕ Water hole
⊕ RUMAH SAKIT	⊕ CUCUKAN AP
⊕ School	⊕ PANGKAP
⊕ SEKOLAH	⊕ Pipe Culvert
⊕ Market	⊕ GORONG-gORONG
⊕ PASAR	⊕ Monument
⊕ Telephone Office	⊕ Tugu
⊕ KANTOR TELEPON	⊕ Contour Line
⊕ Government Office	⊕ Garis Kontur
⊕ Kantor Pemerintahan	
⊕ Hotel	
⊕ HOTEL	
⊕ Gasoline Pump	
⊕ Pompa Bensin	
⊕ Road	
⊕ JALAN	
⊕ Path	
⊕ JALAN SEPEKAT	
⊕ Bridge	
⊕ JEMBATAN	
⊕ Station	
⊕ STASIUN	
⊕ Subdivided Boundary	
⊕ Batas Subdivisi	
⊕ Village Boundary	
⊕ Batas Desa	



- Aerial Photography (1 / 10,000) : August 2001
 - Topographic map (1 / 1,000) : October 2001
 - Horizontal System : UTM (61 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**

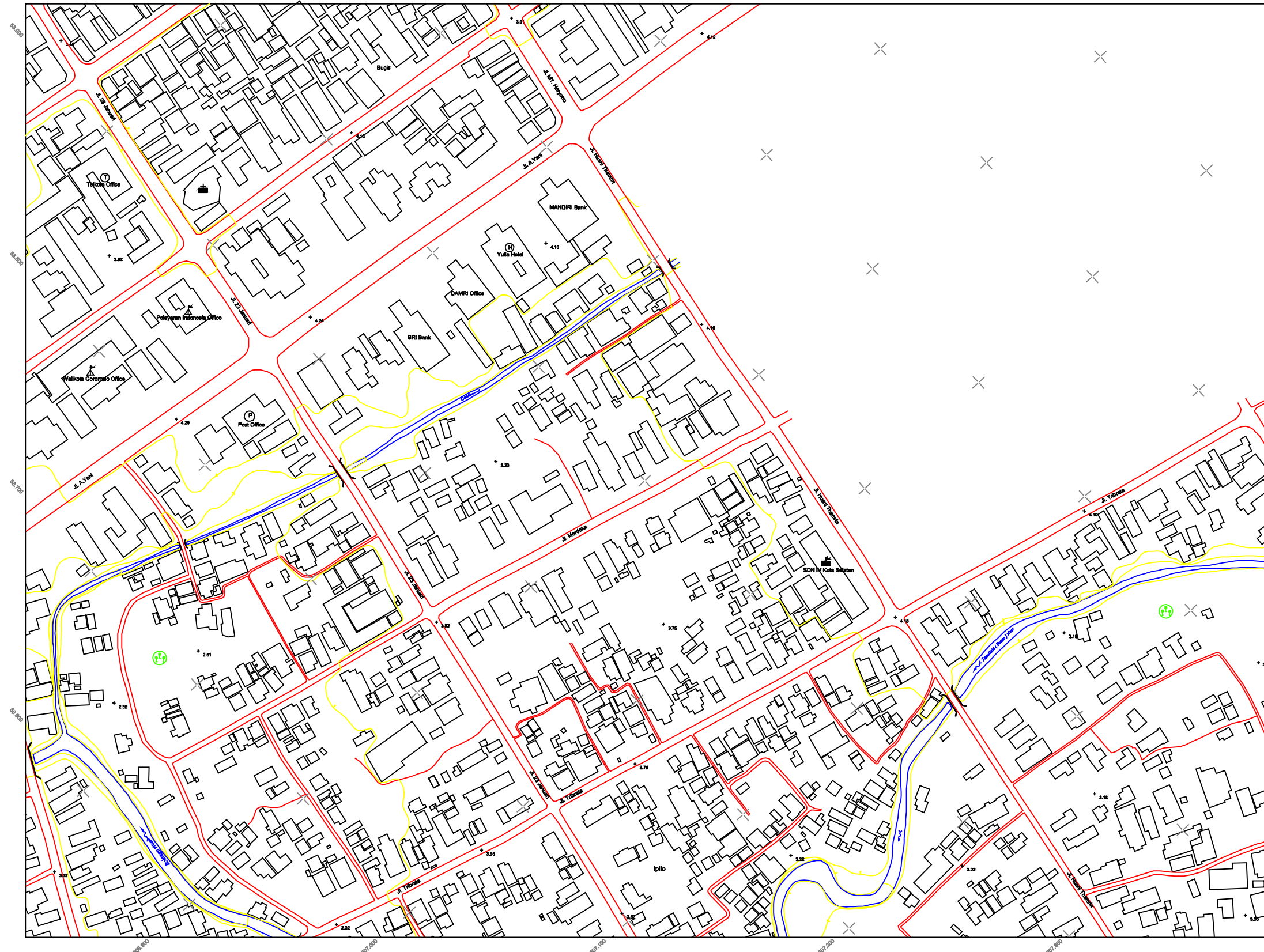
TOPOGRAPHIC MAP : LOW-LYING AREA / GORONTALO

Checked by		Approved by	
Name	PT. ATLAS DELTASATYA	Isao Basahime	
Signature			
Date	October 8, 2001	October 18, 2001	

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

PT. ATLAS DELTASATYA
 JICA-APRIL 2000-2001
 PT. ATLAS DELTASATYA
 JICA-APRIL 2000-2001

09/22



LEGEND

▲ Existing Triangulation Point TITIK TINGGI TRIANGULASI	⊕ GPS Point TITIK GPS	⊕ Existing Bench Mark TITIK BENCANA	⊕ Spot Height TITIK TINGGI	⊕ House / Building RUMAH	⊕ Public Hall RUANG RUMAH	⊕ Police Station KANTOR POLISI	⊕ Fire Station KANTOR PEMadam KAWASAN	⊕ Post Office KANTOR POS	⊕ Mosque MASJID	⊕ Church GEREJA	⊕ Hospital RUANG RUMAH SAKIT	⊕ School KANTOR	⊕ Market PASAR	⊕ Telephone Office KANTOR TELEPON	⊕ Government Office KANTOR PEMERINTAHAN	⊕ Hotel HOTEL	⊕ Gasoline Pump POMPA BENSOLIN	⊕ Road JALAN	⊕ Path JALAN SEMPIT	⊕ Bridge JEMBATAN	⊕ Station STASIUN	⊕ Subdistrict Boundary Batas Kecamatan	⊕ Village Boundary Batas Kelurahan	⊕ Electric Power Line Jalur Tegangan Tinggi	⊕ Cutting and Embankment TANAH DARI TANJUNGAN	⊕ 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 RUMPUT	⊕ Tree Pohon	⊕ Water hole LUBANG AIR	⊕ Stone BATU	⊕ Pipe Culvert Saluran Salang	⊕ Monuments Tugu	⊕ Contour Line Garis Kontur	⊕ Pond, lake KAWAN / DANAU	⊕ Sand PASIR	⊕ Land Slide TANAH RAYU	⊕ a. River / Sungai	⊕ b. Rivulet / Anak Sungai	⊕ c. Direction / Arah Sungai
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INDEX MAP

- Aerial Photography (1/ 10.000) : August 2001
 - Topographic map (1 / 1.000) : October 2001
 - Horizontal System : UTM (81 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 : LOW-LYING AREA / GORONTALO

Checked by		Approved by	
Name	PT. ATLAS DELTASATYA	Name	Isoo Isahitna
Signature		Signature	
Date	October 8, 2001	Date	October 10, 2001

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PT. ATLAS DELTASATYA
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11/22