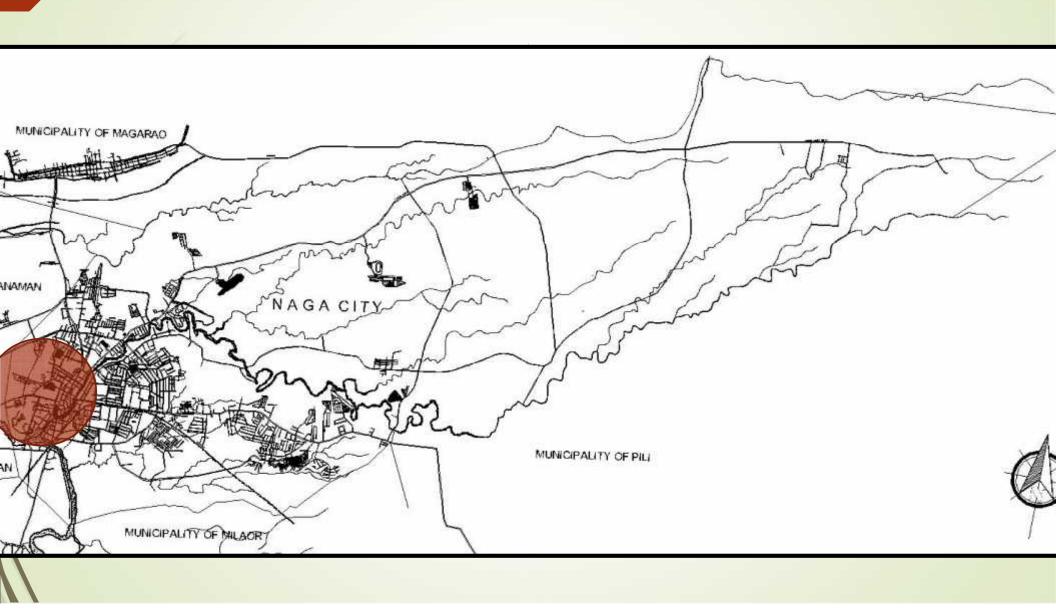
# PROPOSED STORM DRAINAGE & DRAINAGE

OFFICE OF THE CITY ENGINEER



#### **Rehab of Drainage**

Felix Plazo St., Brgy Abella & Brgy Sabang

Length: 771.00 ln.m Cost: P 19,578,600.00

#### **Drainage & Road Widening**

Abella St., Brgy. Abella

Length: 337.00 ln.m Cost: P 8,491,900.00

#### **Drainage & Road Widening**

Main Road Jolly Neighbors to Corner Abella St., Abella

Length: 341.00 ln.m Cost: P 4,886,800.00

#### **p**rainage

Queborac Relocation Site to Jolly Neighbors., Sta. Cruz

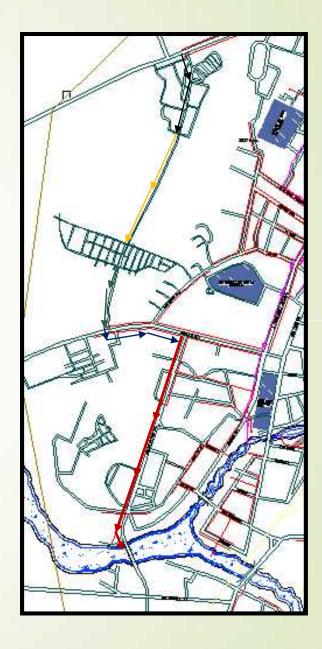
Length: 371.00 ln.m Cost: P 3,482,600.00

#### **Drainage & Road Widening**

Main Road Infront of PISSTON, Queborac Relocation Site,

Bagumbayan Sur

Length: 380.00 ln.m Cost: P 4,544,900.00

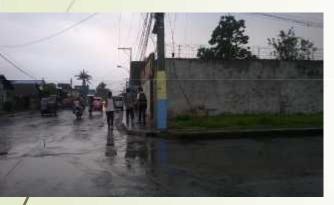


#### Rehab of Drainage

Felix Plazo St., Brgy Abella & Brgy Sabang

Length: 771.00 ln.m

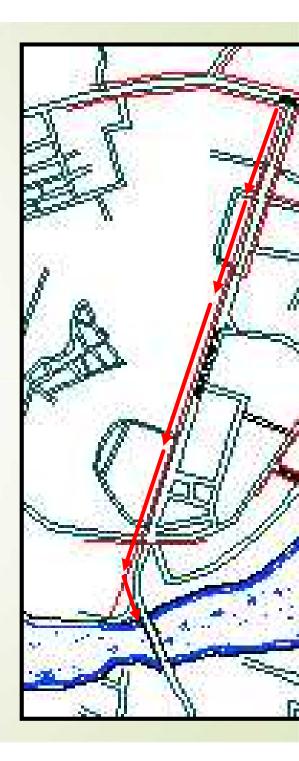
Cost: P 19,578,600.00









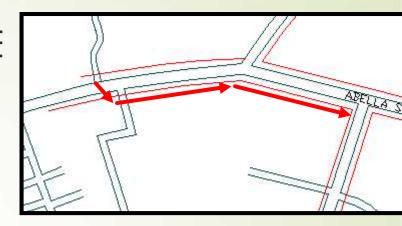


#### Drainage & Road Widening

Abella St., Brgy. Abella

Length: 337.00 ln.m

Cost: P 8,491,900.00











#### Drainage & Road Widening

Main Road Jolly Neighbors to

Corner Abella St., Abella

Length: 341.00 ln.m

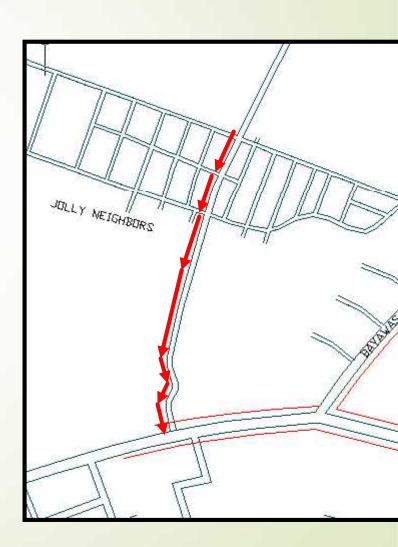
Cost: P 4,886,800.00











#### Drainage

Queborac Relocation Site to Jolly Neighbors.,

Sta. Cruz

Length: 371.00 ln.m

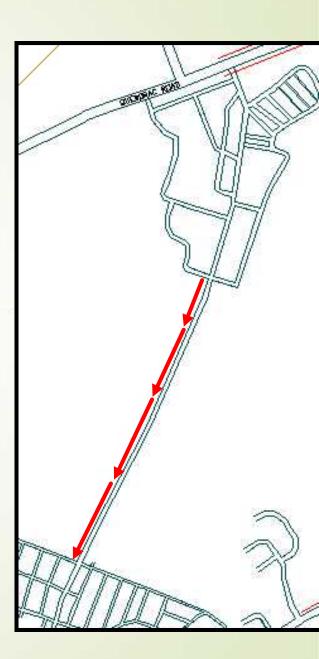
Cost: P 3,482,600.00











#### Drainage & Road Widening

Main Road Infront of PISSTON, Queborac Relocation Site, Bagumbayan Sur

Length: 380.00 ln.m

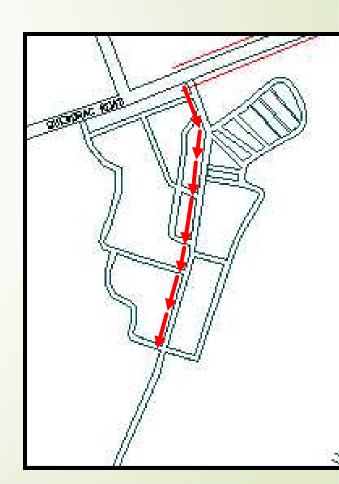
Cost: P 4,544,900.00

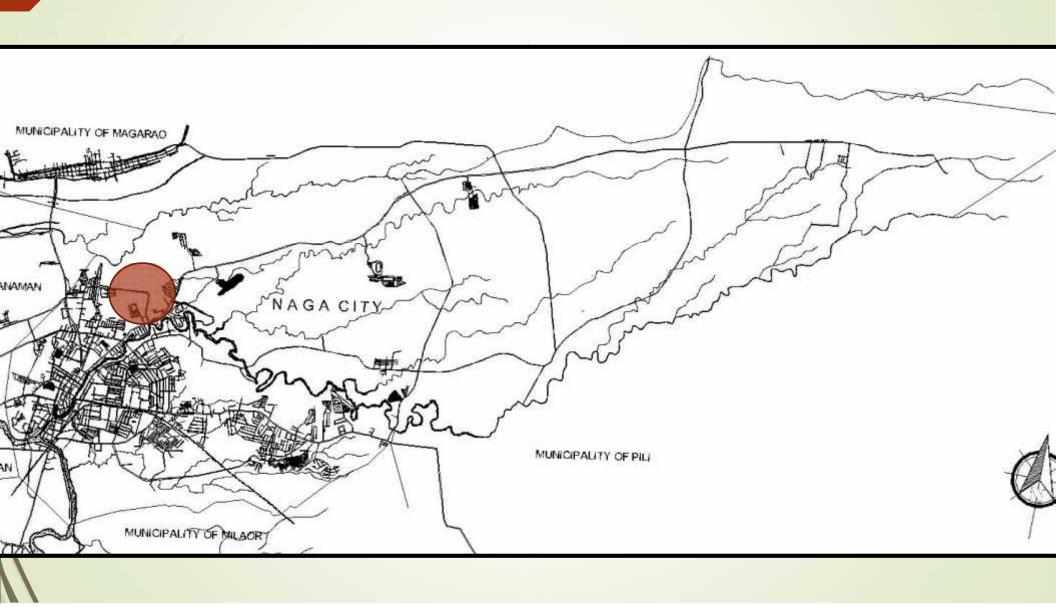




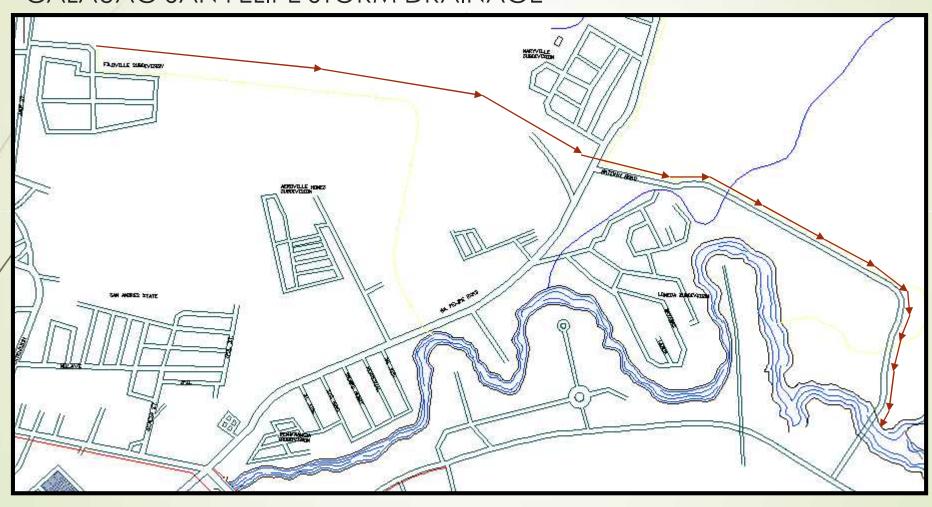


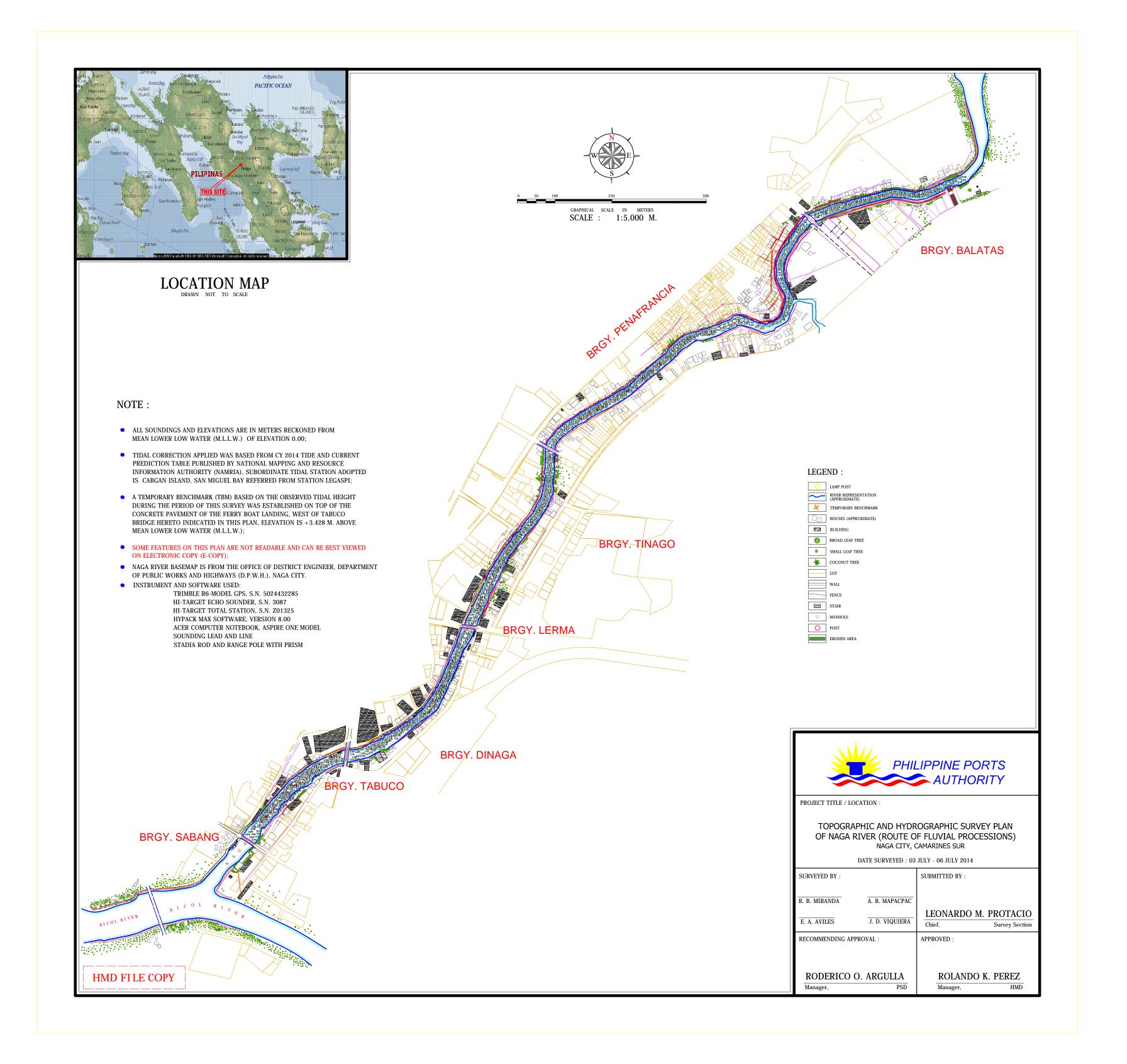


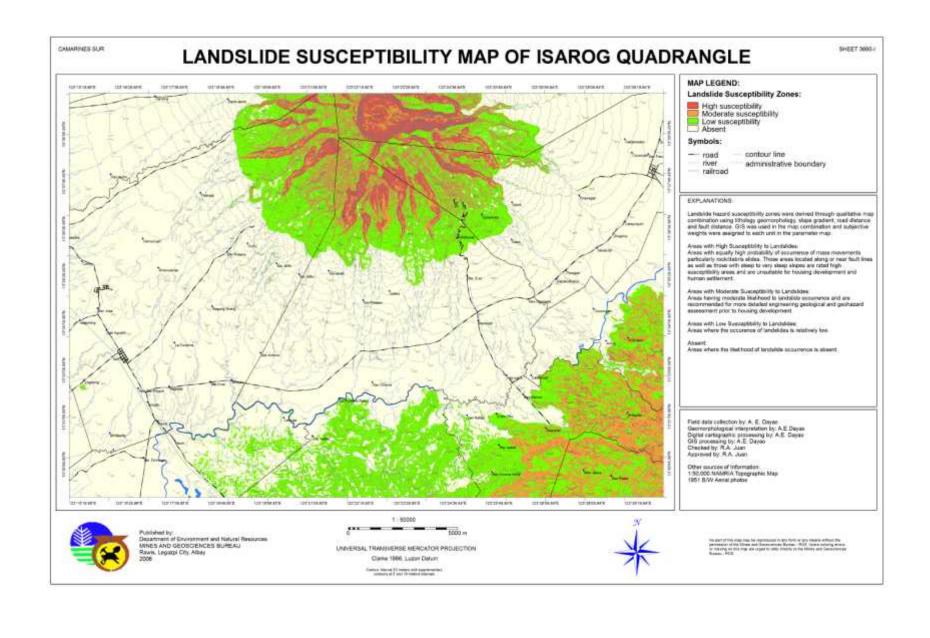


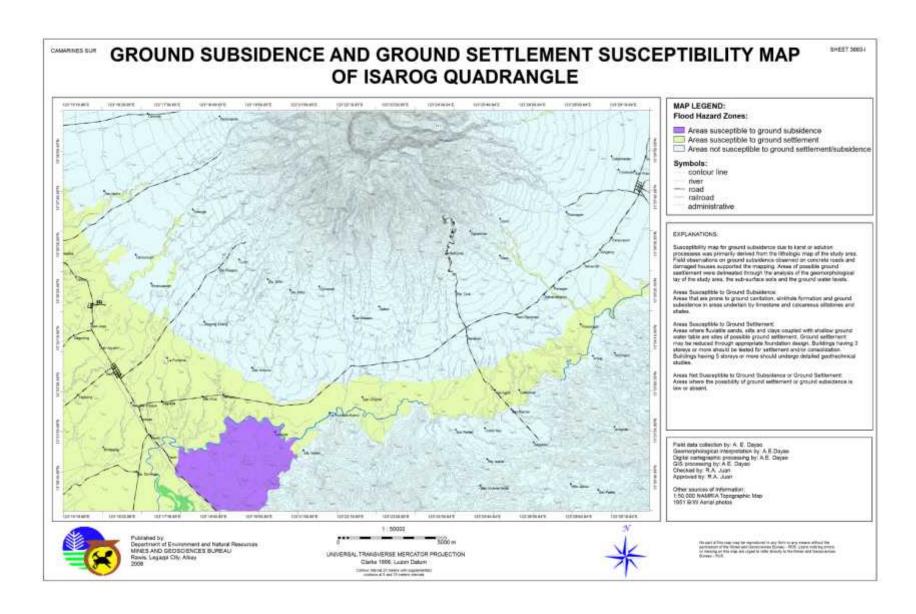


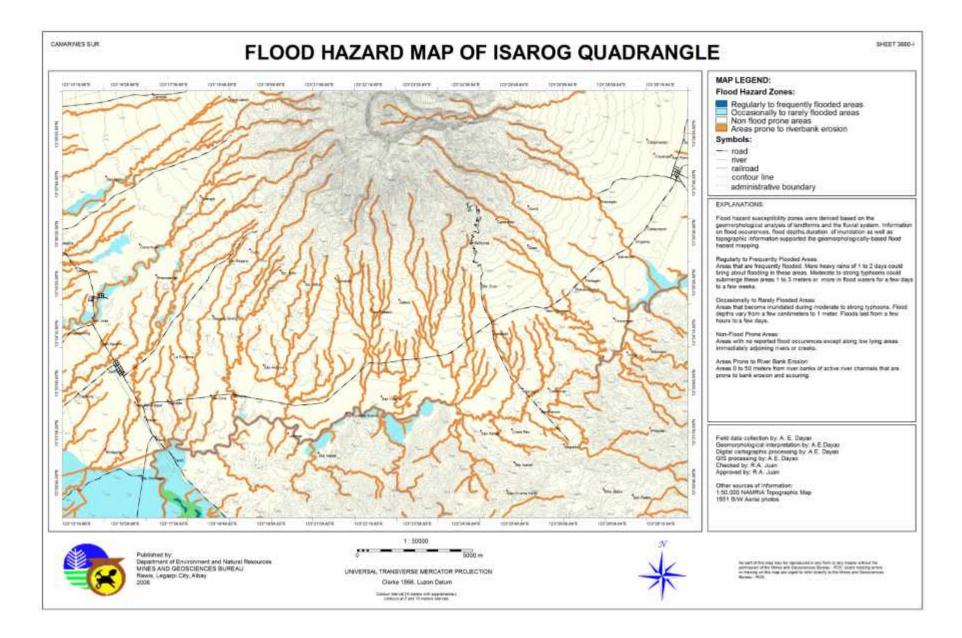
# STORM DRAINAGE & DRAINAGE CALAUAG SAN FELIPE STORM DRAINAGE

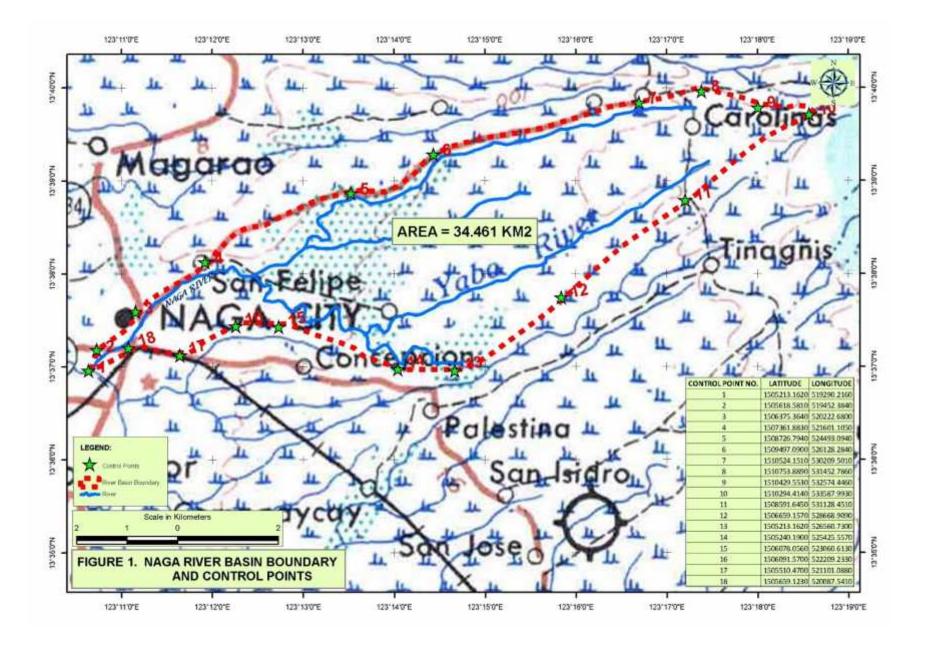


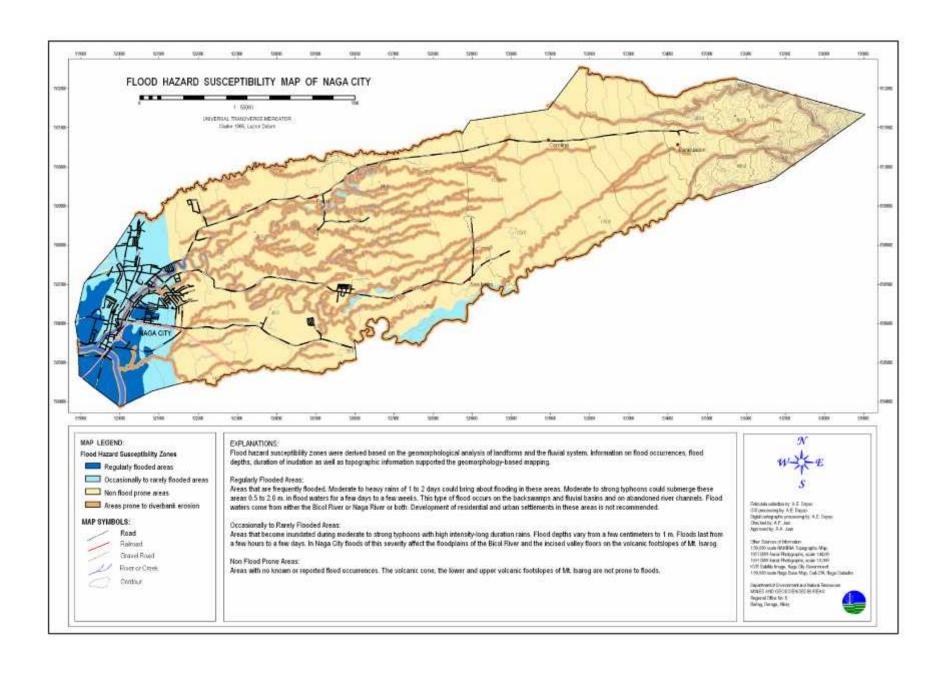


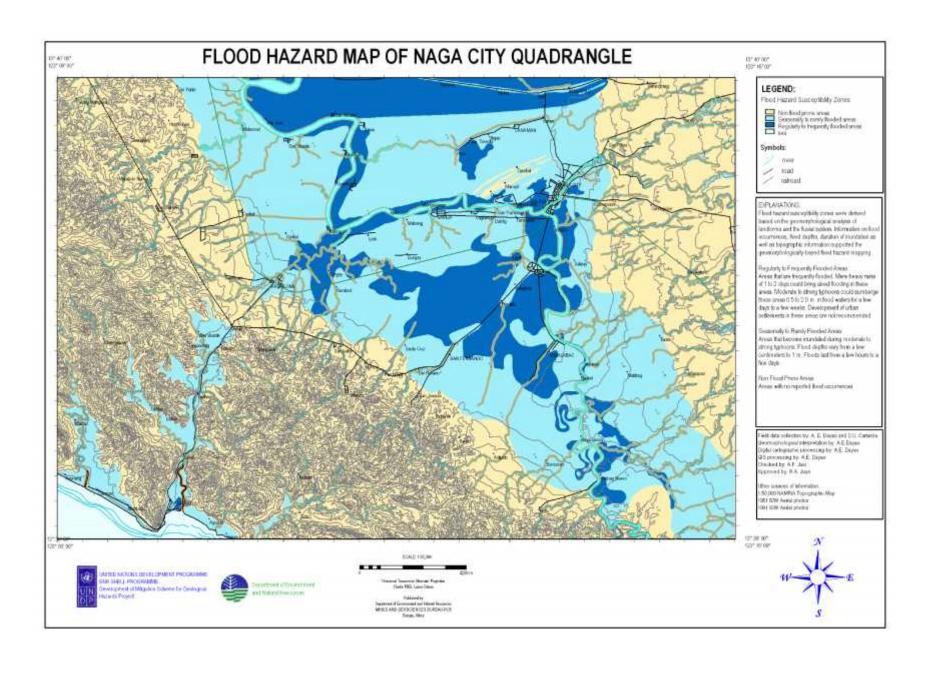


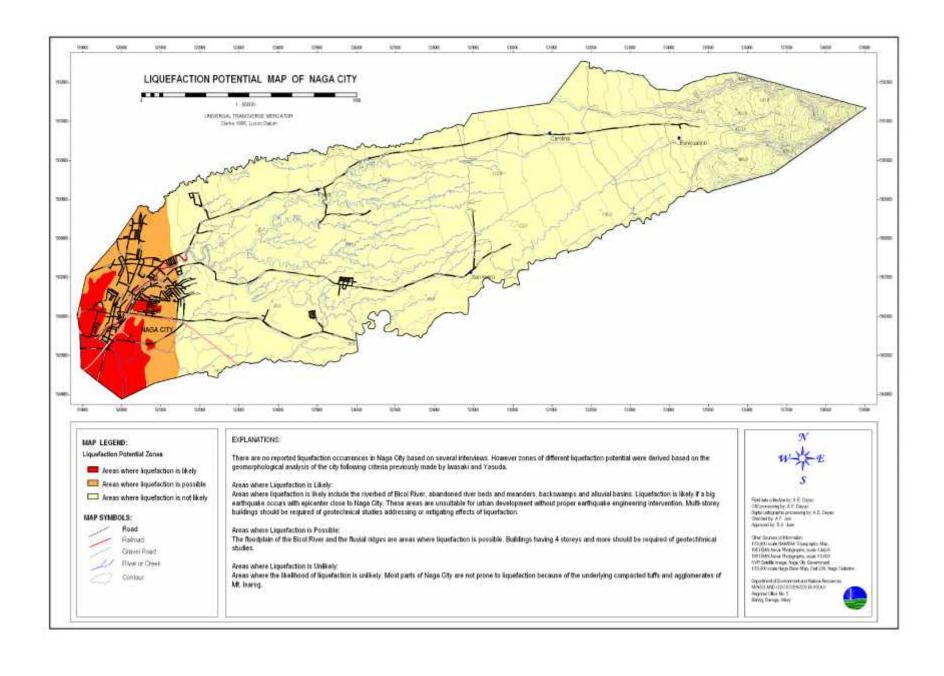


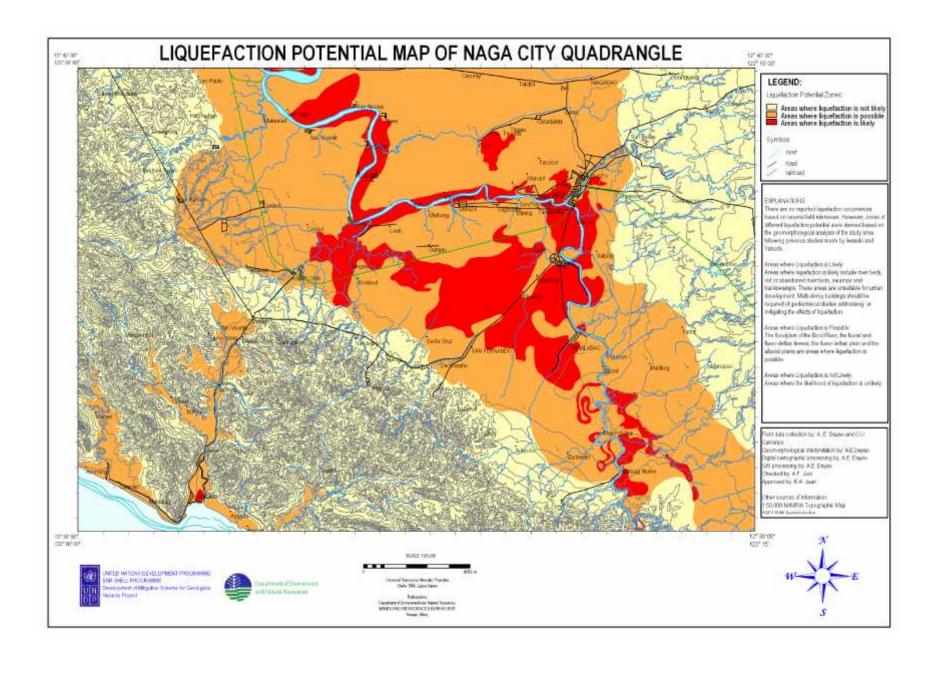


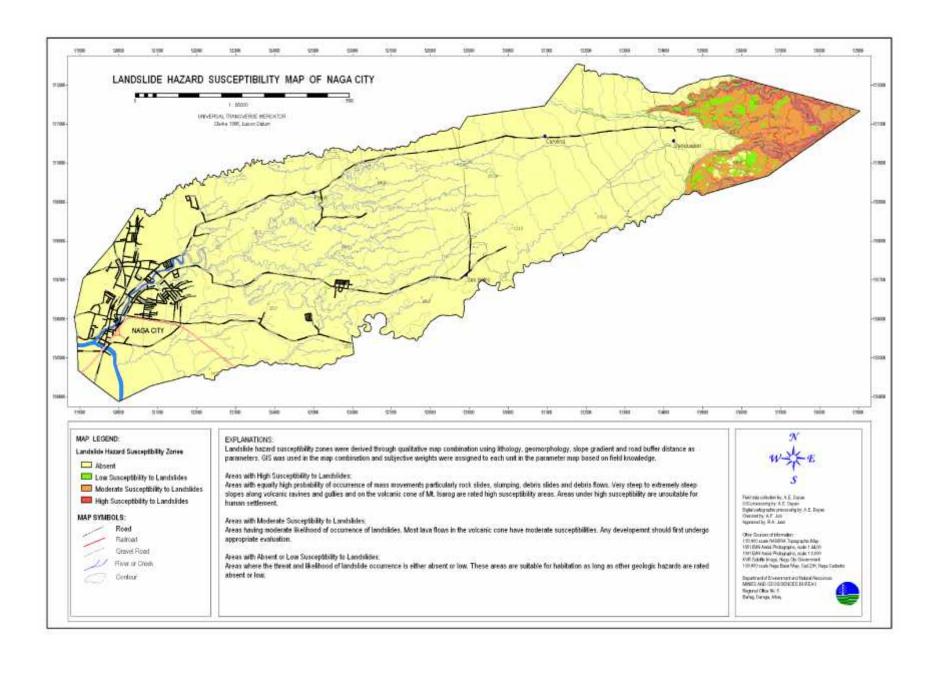


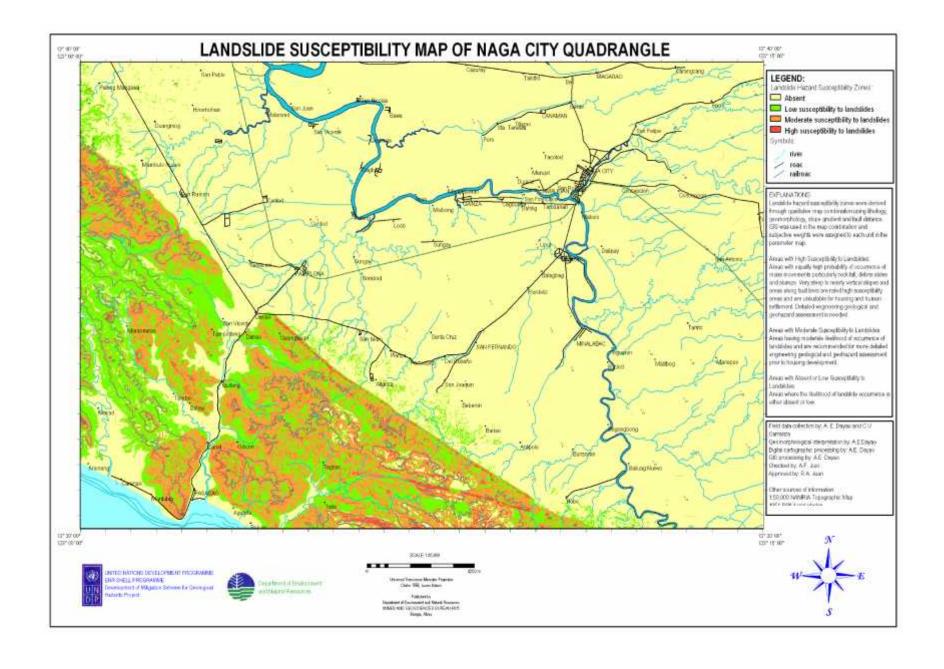


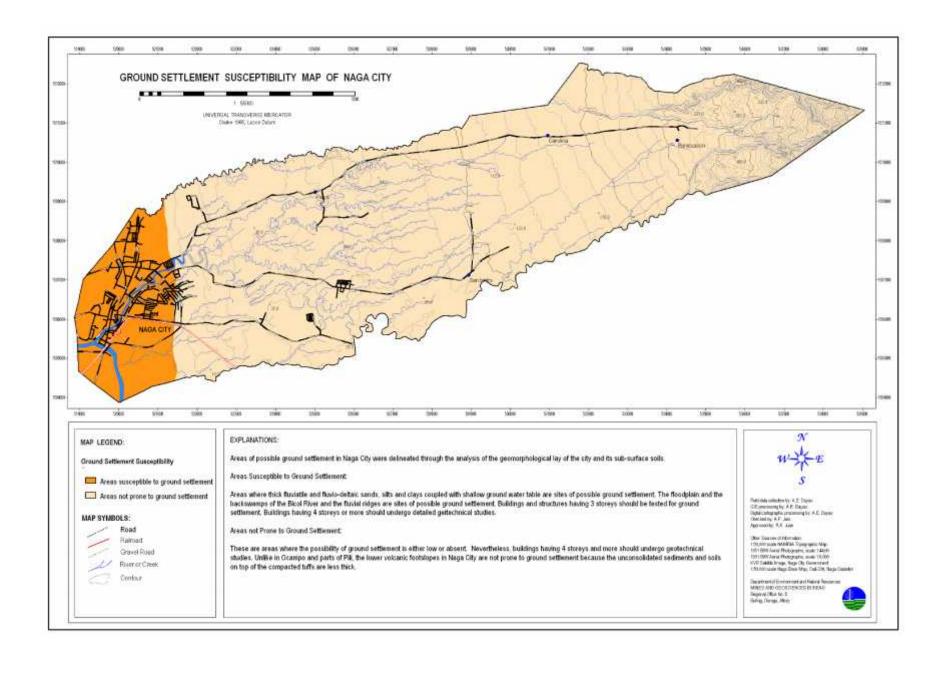


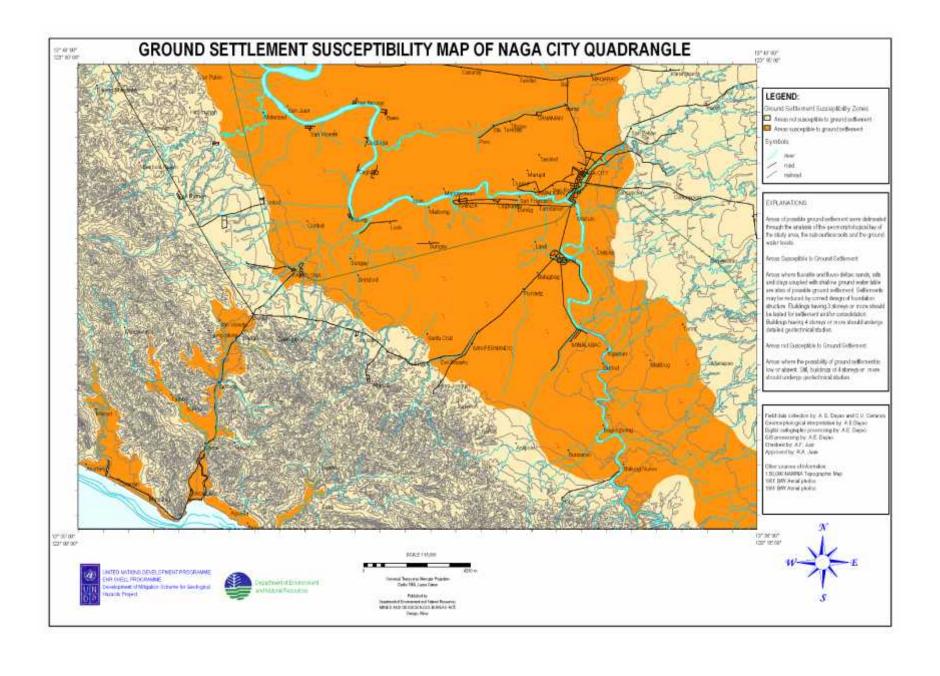


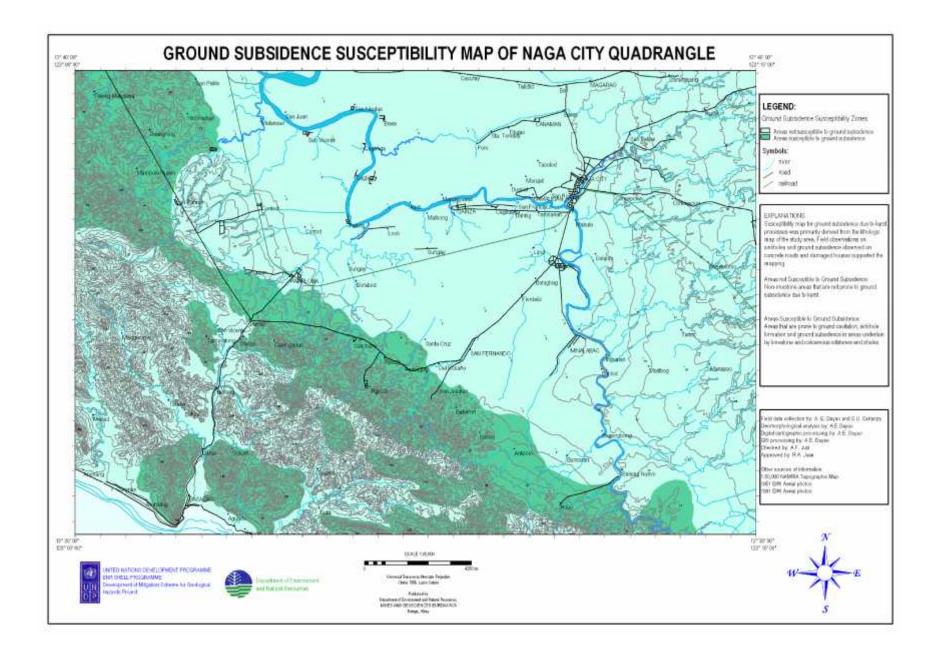












#### Executive Order No. 2012-013

#### CREATING THE NAGA CITY FLOOD MITIGATION BOARD

WHEREAS, the City of Naga, being situated along the course of the Naga River and the Bicol River, is always at risk of flooding, especially during rainy season;

WHEREAS, Naga City, aside from having Barangays along the riverbanks of the Naga River and the Bicol River, also has low-lying Barangays that serve as catch basins of rainwater that causes flooding in those particular areas;

WHEREAS, the City Government of Naga, through a special body that will focus on ways and means to mitigate flooding, intends to lessen the effects of flood on lives, property, agriculture, productivity and the environment through preventive and mitigating measures;

WHEREAS, in protecting the public against the ill-effects of flooding, there is a need to create the "NAGA CITY FLOOD MITIGATION BOARD" that shall take the lead in flood prevention and mitigation efforts of the City Government of Naga;

NOW THEREFORE, I, JOHN G. BONGAT, City Mayor of Naga, by virtue of the powers vested upon me by law do hereby order the following:

Section 1. The Naga City Flood Mitigation Board is hereby created to be comprised of the following:

Chairman: City Mayor

Vice Chairman & Presiding Officer: City Engineer

Members (Government Sector): Asst. City Engineer

SWMO Head
City ENRO Head
CPDO Head
DPWH Representative
Philippine Coast Guard Cam. Sur Representative
Liga ng mga Barangay President

*Members (Private Sector)*: MNCCI Head or Designated Representative

PICE Naga City Chapter *Representative* UAP Camarines Sur Chapter *Representative* NCPC *Representative* 

Three (3) other members from the private sector, to be appointed by the City Mayor

Section 2. The Naga City Flood Mitigation Board's functions and responsibilities are as follows:

- 1. Identify flood prone areas in the different Barangays;
- 2. Cause the preparation of topographic map for Naga in relation to the topography of adjoining municipalities, aimed at determining the flow of water in existing natural waterways and man-made drainages;
- 3. Coordinate with the Naga City Natural Waterways Management Council in integrating programs to preserve and clean-up such waterways and man-made drainages;
- 4. Serve as a recommending body for infrastructure development that will address flooding problems in the City;
- 5. Engage the services of the academe and/or flood experts in introducing engineering and scientific solutions to flooding;
- 6. Conduct public awareness campaign encouraging/engaging people's participation in the maintenance and upkeep of man-made drainages and natural waterways;
- 7. Cause the posting of notices containing information on high and low tides in public, conspicuous places, barangay halls and zones adjacent to the Naga and Bicol Rivers;
- 8. Perform such other functions in pursuance of the above.

Section 3. The City Government of Naga shall provide the administrative and necessary logistical support for the Naga City Flood Mitigation Board, that shall meet at least once a month or as often as the need arises, for the performance of its functions and responsibilities.

Section 4. This Executive Order shall take effect immediately.

Issued this 4<sup>th</sup> day of June, 2012 at Naga City, Philippines.

JOHN G. BONGAT City Mayor

Attested by:

FLORENCIO T. MONGOSO, JR., CSEE Department Head II and Acting City Administrator



#### REPUBLIC OF THE PHILIPPINES

#### OFFICE OF THE CITY MAYOR

City of Naga



#### Executive Order No. 2015-027

# AMENDING SECTION OF EXECUTIVE ORDER NO. 2012-014, CREATING THE NAGA CITY WATERWAYS MANAGEMENT COUNCIL:

WHEREAS, a group of young community leaders were able to successfully revive the dead Maningning Creek in Taytay, Rizal. The Maningning Creek experiment is now being used as a model for the rehabilitation of waterways in Cambodia, Vietnam, Malaysia, and Laos;

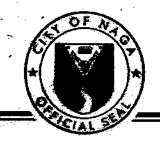
WHEREAS, the Maningning Creek model inspired group of students in Ateneo de Naga University to replicate it on the waterways of Naga City;

WHEREAS, there is a need to include additional function and responsibility of the council to coordinate with various non-government organizations that are interested to actively participate in the clean-up, rehabilitation, and revival efforts of the Council, of Naga's natural waterways;

Now, therefore, I, JOHN G. BONGAT, Mayor of the City of Naga, by virtue of the powers vested in me by law, do hereby order that the following:

Section 2, as amended, shall now read thus "Section 2. Composition. The Naga City Natural Waterways Management Council's functions and responsibilities are as follows:

- 1. Identify the natural waterways in the different barangays of Naga City;
- 2. Cause the preparation of topographic map for Naga City indicating all natural waterways in relation to the topography of adjoining municipalities, aimed at determining the flow of water in existing natural waterways;
- 3. Coordinate with the Naga City Flood Mitigation Board in integrating programs to preserve and clean-up such waterways;
- 4. Engage the services of the academe and/or flood experts in introducing engineering and scientific solutions to flooding;
- Conduct public awareness campaign encouraging/engaging people's participation in the maintenance and upkeep of natural waterways;



#### REPUBLIC OF THE PHILIPPINES

# OFFICE OF THE CITY MAYOR

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City of Naga

6. Organize residents along Naga and Bicol Rivers into "Defenders of Naga River", as the lead, barangay-based organization charged with the function of ensuring cleanliness of riverbanks and the river;

7. Act as coordinating body to various NGOs that are interested and willing to provide support to the clean-up, rehabilitation, and revival efforts of the Council: and

8. Perform such other function in pursuit of the above."

This Executive Order shall take effect immediately.

Issued this 7th day of September, 2015 in the City of Naga, Philippines.

JOHNG. BONGAT City/Mayor

Attested by:

FLORENCIO T. MONGOSO, JR., CSEE Department Head II and City Administrator