



**TERMS OF REFERENCE  
FOR  
"PARCELLARY AND STRUCTURAL/FACILITIES SURVEY OF FOURTEEN (14) PORTS UNDER  
PMO-PANAY/GUIMARAS FOR REGISTRATION AS PUBLIC LAND UNDER THE  
ADMINISTRATIVE JURISDICTION OF PPA"**

**I. RATIONALE**

This Term of Reference (TOR) shall be guide to parties interested in the public procurement for the conduct of **"Parcellary and Structural/Facilities Survey of Fourteen (14) Ports Under PMO-Panay/Guimaras for Registration as Public Land Under the Administrative Jurisdiction of PPA."**

**II. SPECIFIC NAMES AND LOCATIONS OF THE PORTS:**

1. Port of Iloilo Baseport- Fort San Pedro, Iloilo Fastcraft Terminal, Iloilo River Wharf, Iloilo Commercial Port Complex;
2. Port of Concepcion, Iloilo;
3. Port of Dumangas, Iloilo;
4. Port of Estancia, Iloilo;
5. Port of Alegria, Buruanga, Aklan;
6. Port of Caticlan, Malay, Aklan;
7. Port of Dumaguit, Aklan;
8. Port of Libertad, Antique;
9. Port of Lipata, Antique;
10. Port of San Jose, Antique;
11. Port of Culasi, Roxas City;
12. Port of Buenavista, Guimaras;
13. Port of Jordan, Guimaras;
14. Port of Sibunag, Guimaras

**III. SCOPE OF WORKS**

The general scope of services and deliverable are as follows:

1. Receiving instructions/Acceptance/Establishment of Job
2. Research current survey information
3. Field survey including marking of boundaries, location of structures (footprints only, floor level), paths, driveways, visible services, site levels, significant vegetation, street features for site frontage, fences type and height
4. Preparation of Report and Plan of Survey showing lot boundaries, dimensions, marks placed (where appropriate), easements and relationship to appurtenant occupation/fencing.
5. Supply of documentation (hard and soft copies)
6. Application for Approval at the Land Management Services (LMS)

- General Expenses (To include data gathering and research activities)
- Field Survey (for ground control) (To include marking of benchmarks)
- Original and structural/technical surveys of area to provide meter of land build-up with improvement of port areas including establishment of control stations for future survey and construction reference)
  - o Port of Hilo Basport - 35 hectares
  - (Port San Pedro, Hilo Basport, Terminal, Hilo River Wharf, Hilo Control Port Complex)
  - o Port of Conception, Hilo - 1,050 sq.m
  - o Port of Deming, Hilo - 2.3 hectares
  - o Port of Estancia, Hilo - 1,250 sq.m
  - o Port of Alagha, Balaang, Alabon - 3,300 sq.m
  - o Port of Canlan, Alabon, Alabon - 2,510 sq.m
  - o Port of Canlan, Alabon - 2.70 hectares
  - o Port of Canlan, Alabon - 1,500 sq.m
  - o Port of Canlan, Alabon - 8,331 sq.m
  - o Port of San Jose, Alabon - 1.10 hectares
  - o Port of Canlan, Alabon - 2.40 hectares
  - o Port of Canlan, Alabon - 1,100 sq.m
  - o Port of Canlan, Alabon - 1,075 sq.m
  - o Port of Canlan, Alabon - 2,900 sq.m
- Cartographic/Office Works and Documentation (To include data gathering and preparation of reports as affected land)

The equipment needed for the survey:

- 1 Unit GPS/Total Station
- 1 Unit Total Station or equivalent
- 1 Unit Service Vehicle

The duration of contract:

The contract will start within ten (10) days upon receipt of Notice to Proceed or Project/Service Order and service duration of 240 calendar days.

#### MOBILIZATION/DEMOLITION

Mobilization/Demolition includes the delivery of manpower and equipment to and from each port, rental of service vehicle and survey instruments, board and lodging of surveyors during the conduct of the above-mentioned survey work and all incidental expenses that may be incurred relative to the conduct of the said hydrographic and topographic survey.

Specific Items of Works include:

- General Expenses ----- 1 lot  
(To include data gathering and research activities)
- Field Survey (in square meters) ----- 1 lot  
(To include marking of boundaries)
  - Original and structural/facilities surveys of area in square meters of land build-up with improvement of port areas including establishment of control stations for future survey and construction reference.)
    - a) Port of Iloilo Baseport – 35 hectares  
(Fort San Pedro, Iloilo Fastcraft Terminal, Iloilo River Wharf, Iloilo Commercial Port Complex);
    - b) Port of Concepcion, Iloilo – 1,050 sq.m.
    - c) Port of Dumangas, Iloilo – 3.7 hectares
    - d) Port of Estancia, Iloilo – 7,550 sq.m.
    - e) Port of Alegria, Buruanga, Aklan – 3,390 sq.m.
    - f) Port of Caticlan, Malay, Aklan – 5,510 sq.m.
    - g) Port of Dumaguit, Aklan – 3.70 hectares
    - h) Port of Libertad, Antique – 1,200 sq.m.
    - i) Port of Lipata, Antique – 8,331 sq.m.
    - j) Port of San Jose, Antique – 1.10 hectares
    - k) Port of Culasi, Roxas City – 2.40 hectares
    - l) Port of Buenavista, Guimaras – 1,100 sq.m.
    - m) Port of Jordan, Guimaras – 1,074 sq.m.
    - n) Port of Sibunag, Guimaras – 3,900 sq.m.
- Cartographic/Office Works and Documentations ----- 1 lot  
(To include data gathering and preparation of Reports on affected land)

The equipment needed for the services:

- 1-unit GPS-Dual Frequency
- 1-unit Total Station or equivalent
- 1-unit Service Vehicle

The duration of contract:

The contract will start within ten (10) days upon receipt of Notice to Proceed or Purchase/Job Order and service duration of **240 calendar days**.

MOBILIZATION/DEMOBILIZATION

Mobilization/Demobilization includes the delivery of manpower and equipment to and from **each port**, rental of service vehicle and survey instruments, board and lodging of surveyors during the conduct of the above-mentioned survey works, and all incidental expenses that may be incurred relative to the conduct of the said hydrographic and topographic survey.

#### TRAVERSE/CONTROL SURVEY

A traverse or control survey along horizontal and vertical paths should have at least two (2) reference points and should be made starting from existing Bureau of Lands Location Monuments (BLLM), Barangay Boundary Monuments (BBM) or known parcellary lot boundaries in the port's vicinity, whichever is available and shall conform to the standards set forth in the Manual of Land Surveys in the Philippines.

Traverse and/or loop stations must start and end on recovered previously established horizontal ground controls of higher order and follow approximately the course of the boundaries of the affected properties.

Traverse stations or baselines must be properly established in at least two control points and described to be used as future reference for "As-Staked" and "As-Built" surveys.

#### PARCELLARY SURVEY

The objective of the Parcellary survey is to identify affected lots within the right-of-way (ROW) or within construction limits, that will be indicated in the detailed design plans to be approved by the Authority (PPA), and the aggregate affected lots for the purpose of registering them in favor of the Government.

#### RESEARCH/SURVEY DATA GATHERING

The winning bidder/surveyor shall conduct research and gather technical data within the specified survey limits and plot/overlay or incorporate the same in the final Survey Plan as directed by PPA Engineer.

#### CAD PLOTTING AND PRINTING

All survey data gathered in the field as specified in the preceding paragraphs shall be reflected on the plan in CAD format.

#### **IV. OBLIGATIONS AND RESPONSIBILITIES OF THE SERVICE CONTRACTOR/SERVICE PROVIDER**

- Undertake the services required on time.
- Comply with the provisions and other documentary requirements provided under R.A. 9184.
- Undertake survey works in accordance with Geodetic Engineering Law and in conformance with the Manual of Land Surveys in the Philippines.
- Obey port rules and regulations and local ordinances.
- Submit 4 sets of the duly signed and sealed parcellary/facilities survey plans
- Submit soft copy of plans in CAD Format and Report showing lot boundaries, dimensions, marks placed, easements and relationship to appurtenant occupant/fencing (if applicable).
- Based from recorded undisturbed BLLM or BBM, the winning surveyor shall establish at least two horizontal/vertical control stations/points within the port area that are intervisible with a minimum distance of 50 meters and mark with brass nail or rod with inscription "PPA – 1" and "PPA – 2" with corresponding geographic and grid coordinates to be reflected on the plan including its elevation reckoned from mean lower low water (M.L.L.W.) datum.

- Submit to Land Management Services (LMS) of the Bureau of Lands the necessary documentary requirements for the processing of the application for the approval of plans.

#### OF THE AUTHORITY

- Evaluate and Award the Contract to the winning bidder in accordance with the provision of RA 9184.
- Identify, supervise and monitor the activities during the conduct of survey works and related services.
- Pay to the service contractor the amount due to them as specified in the contract, upon submission of the original survey plan and report, duly sealed and signed, and presentation of Statement of Account supported with Acceptance Certificate, subject to existing government accounting rules and regulations.

*(Submission of a certification/proof of acceptance of the complete documents by the Bureau of Lands shall be the basis for full payment of the amount due to the Service Contractor.)*

#### V. APPROVED BUDGET FOR THE CONTRACT:

***Two Million, Five Hundred Fourteen Thousand, Thirty-Two Pesos and 66/100  
(P2,514,032.66)***

Prepared & submitted by:

  
**MAYLENE G. ARANTE**  
Acting ESD Manager

Recommending approval:

  
**JERRY P. ABELLO**  
BAC Chairman

Approved:

  
**ALLAN M. ROJO**  
Port Manager

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VICINITY MAP  
NOT TO SCALE

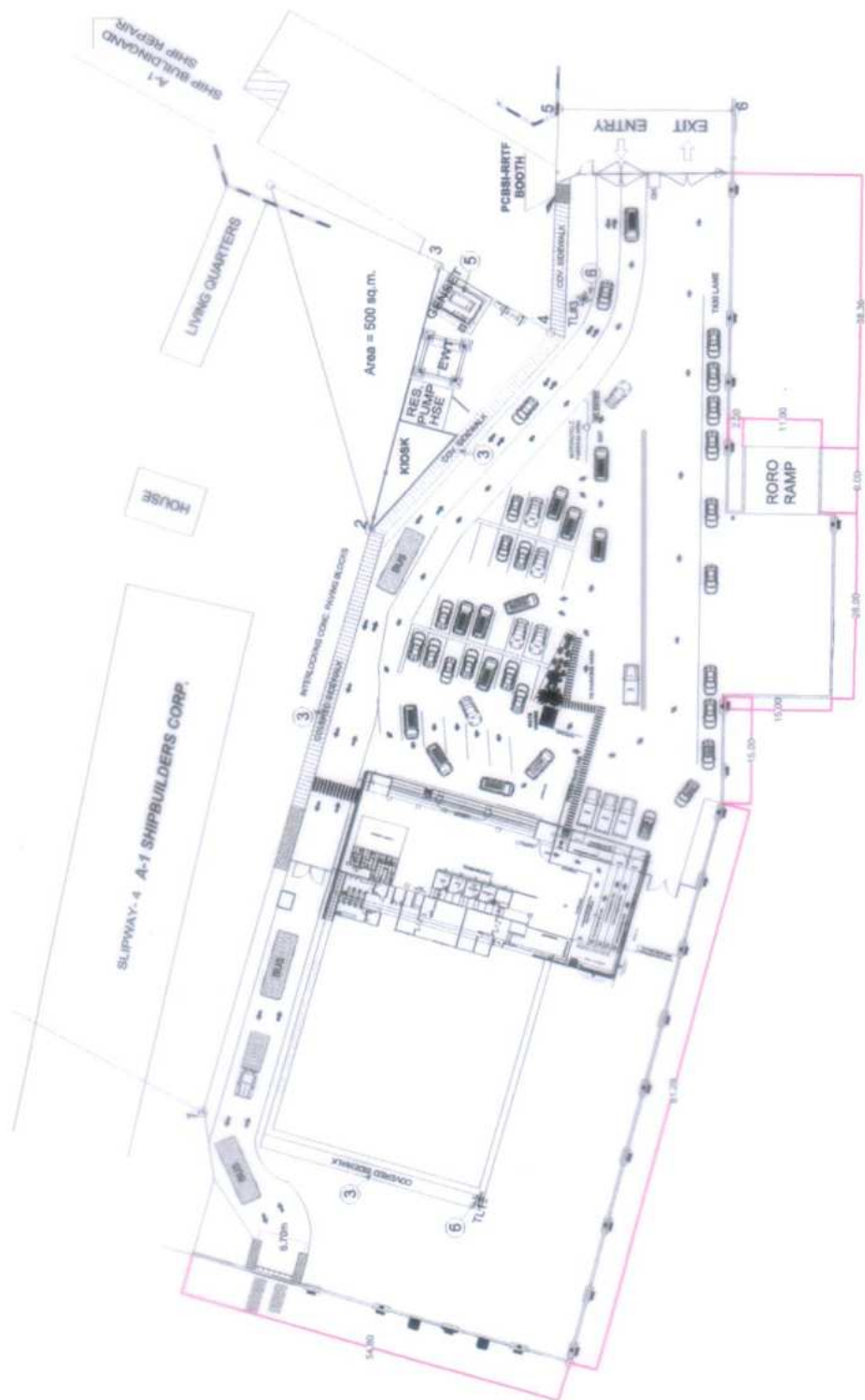
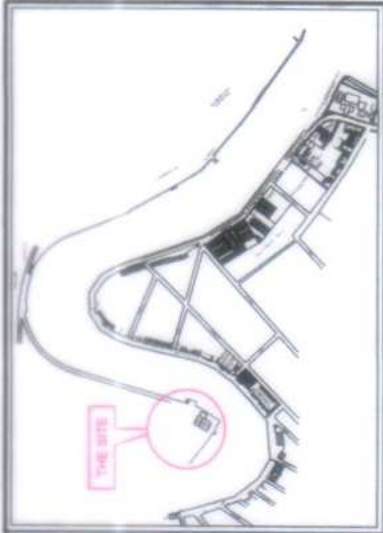
GRAPHICAL SCALE IN METERS  
SCALE : 1:10000 M.



PHILIPPINE  
PORTS  
AUTHORITY  
PBA PAAVIGUARANAS

PORT LAYOUT PLAN  
FORT SAN PEDRO  
(FSP)

FORT SAN PEDRO DRIVE, ILOILO CITY



PHILIPPINE  
PORTS  
AUTHORITY  
PMO PANAYGUIMARAS

PORT LAYOUT PLAN

# ILOILO FASTCRAFT TERMINAL

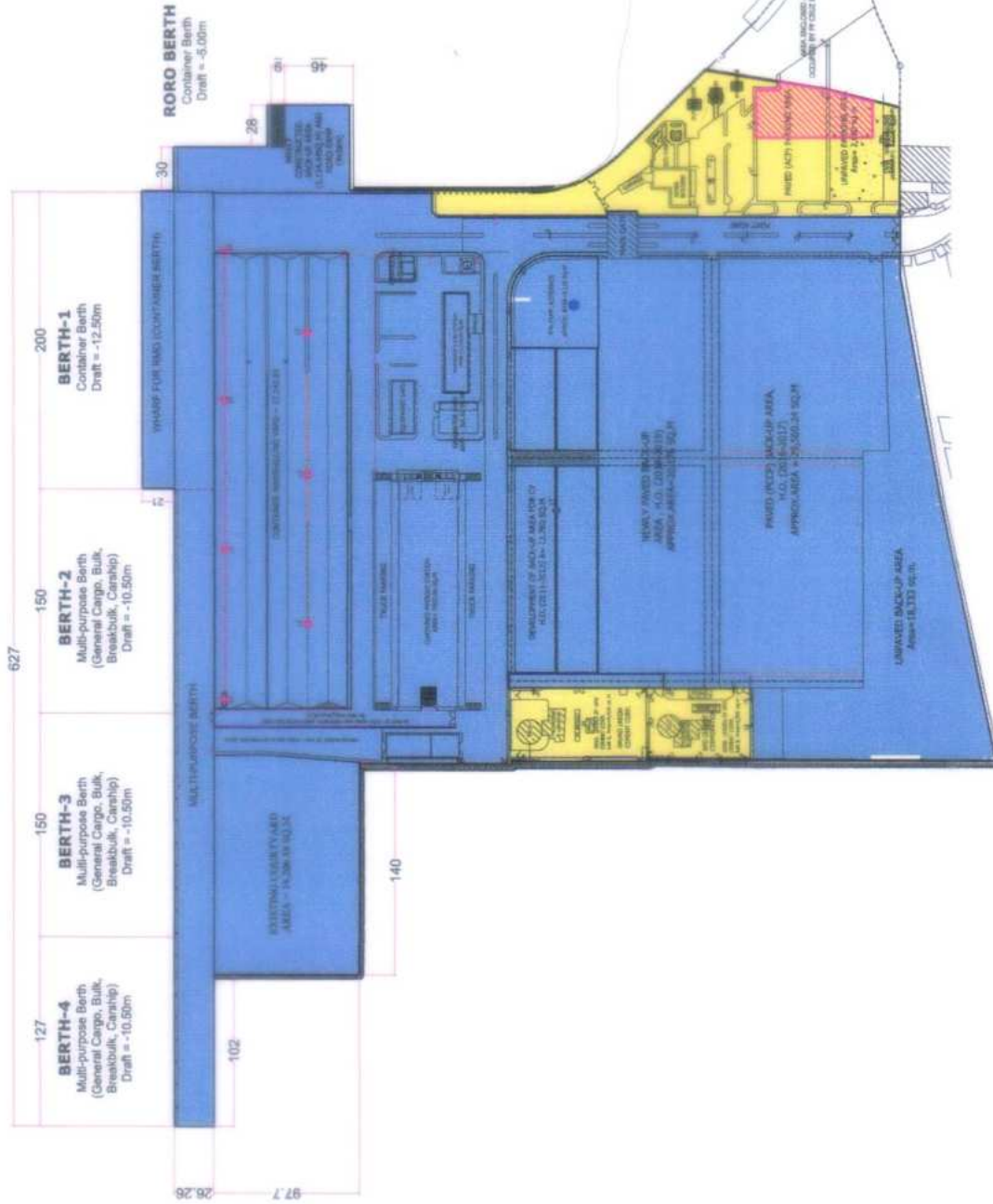
PROGRESO, LAPUZ, ILOILO CITY





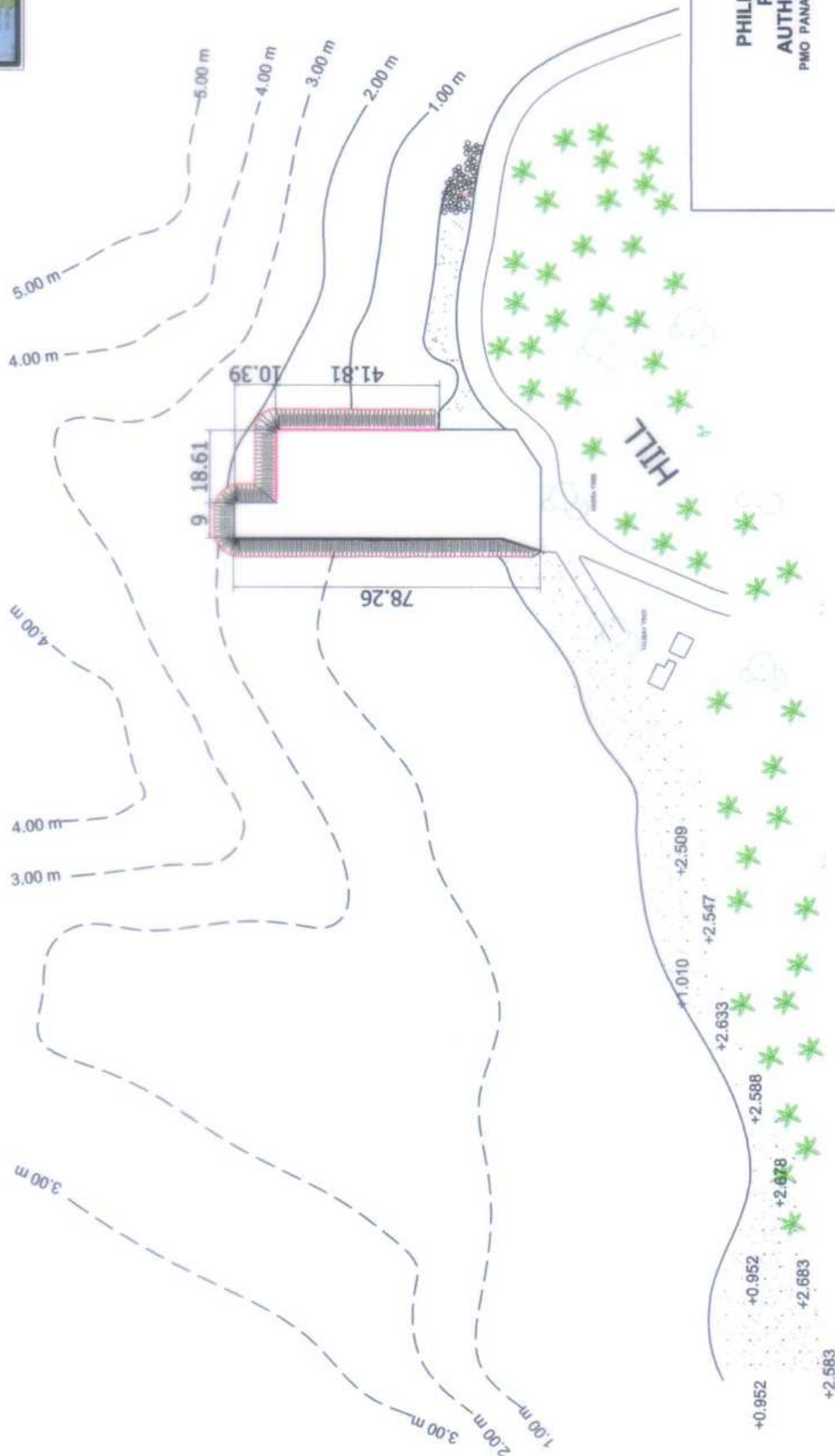
LOCATION MAP

ILOILO STRAIT



PORT LAYOUT PLAN  
ILOILO COMMERCIAL PORT COMPLEX  
(ICPC)

BROU LOROC, LAPAZ, ILOILO CITY



## PORT LAYOUT PLAN

## PORT OF CONCEPCION

BARANGAY NIPA, SITIO PUNTALES, CONCEPCION, ILOILO



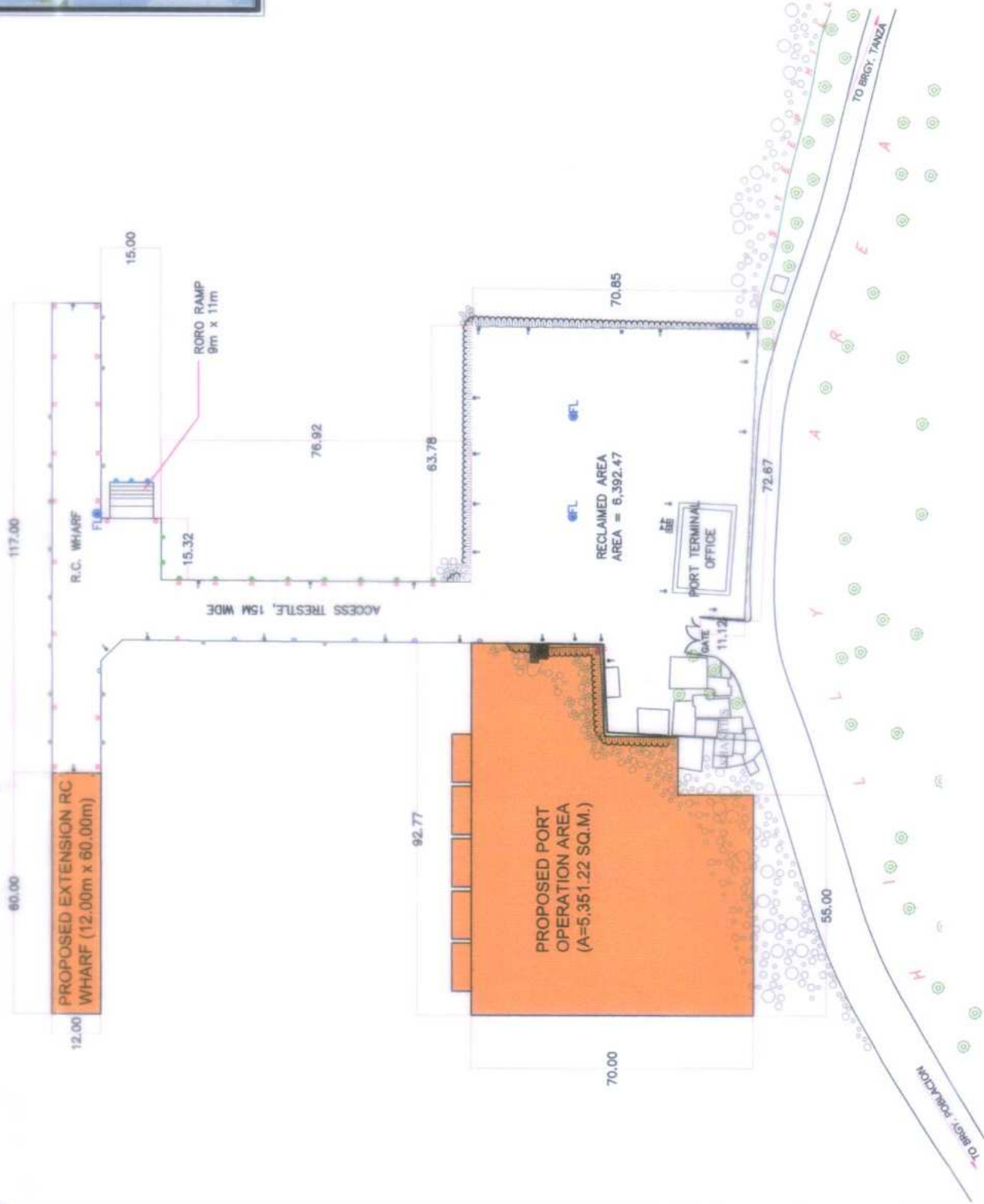


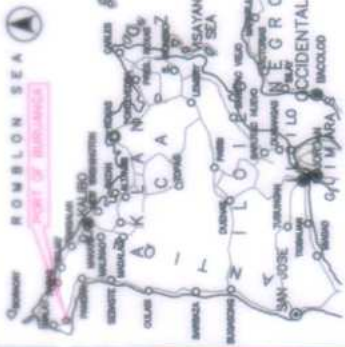
LOCATION MAP  
NOT TO SCALE



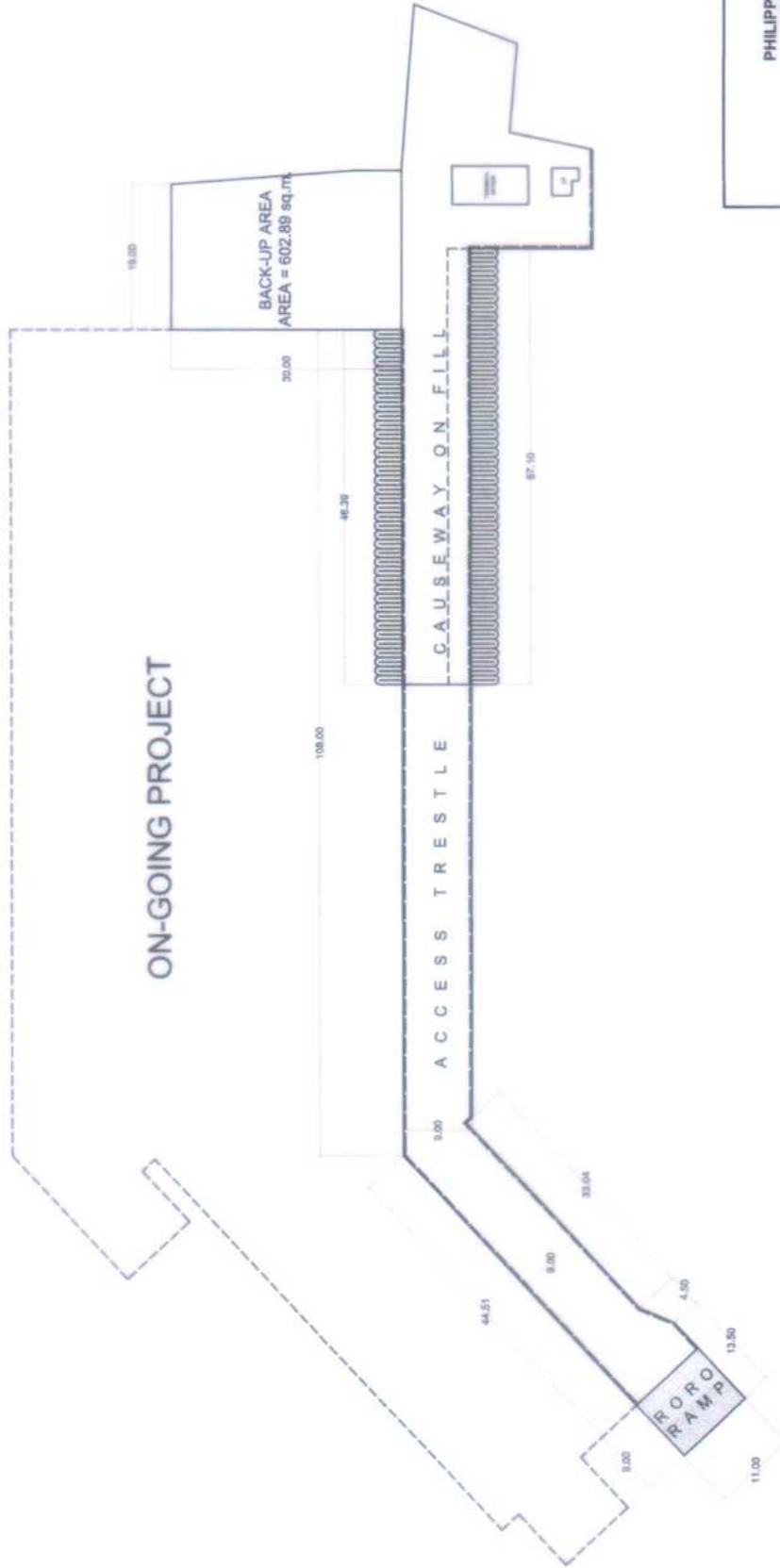
# PORT LAYOUT PLAN PORT OF ESTANCIA

BRGY. BOTONGON, ESTANCIA, ILOILO



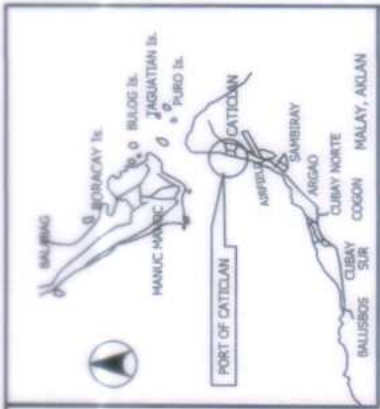


ON-GOING PROJECT



PORT LAYOUT PLAN  
PORT OF ALEGRIA

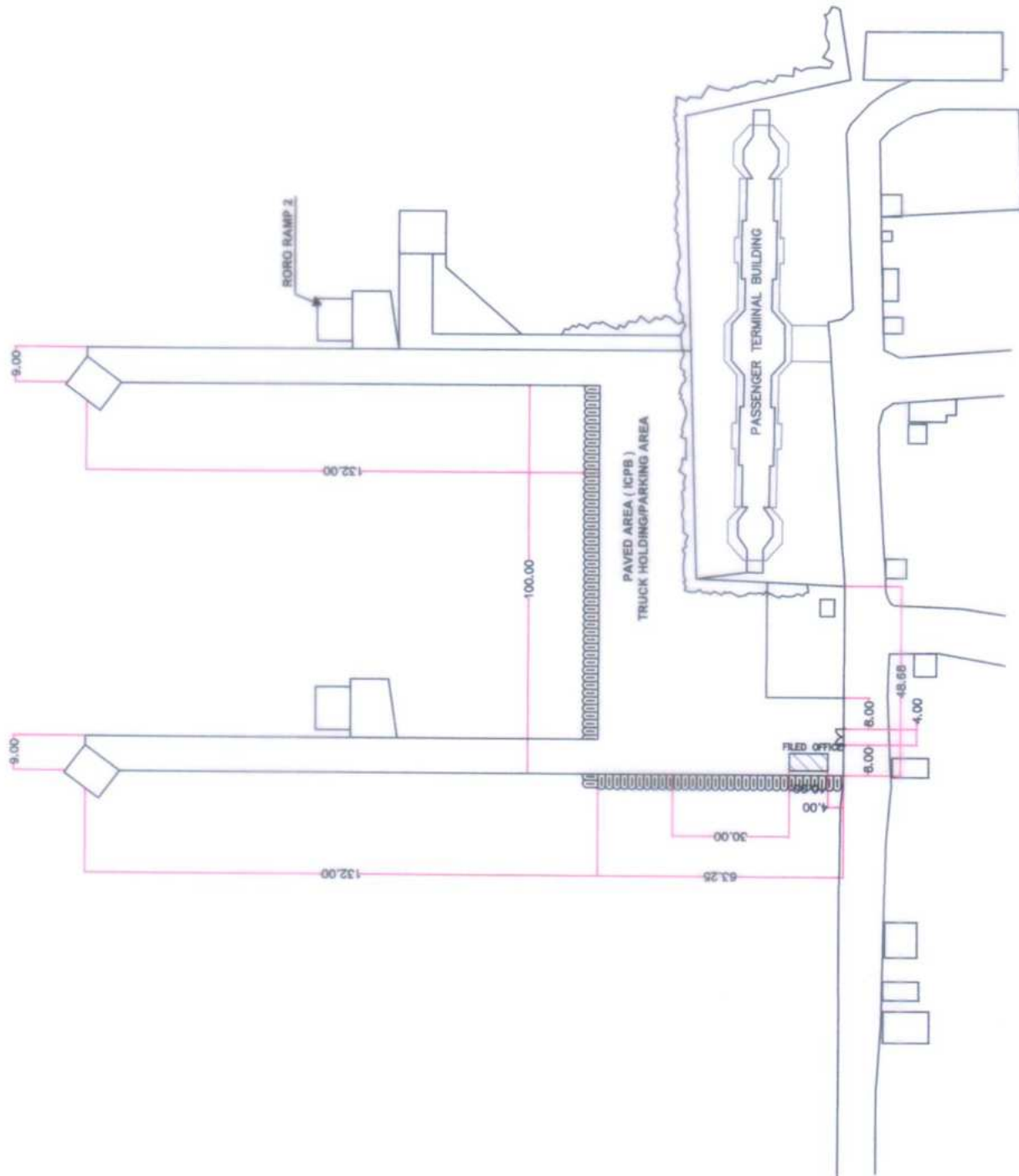
BRGY. ALEGRIA, BURIANGA, AKLAN

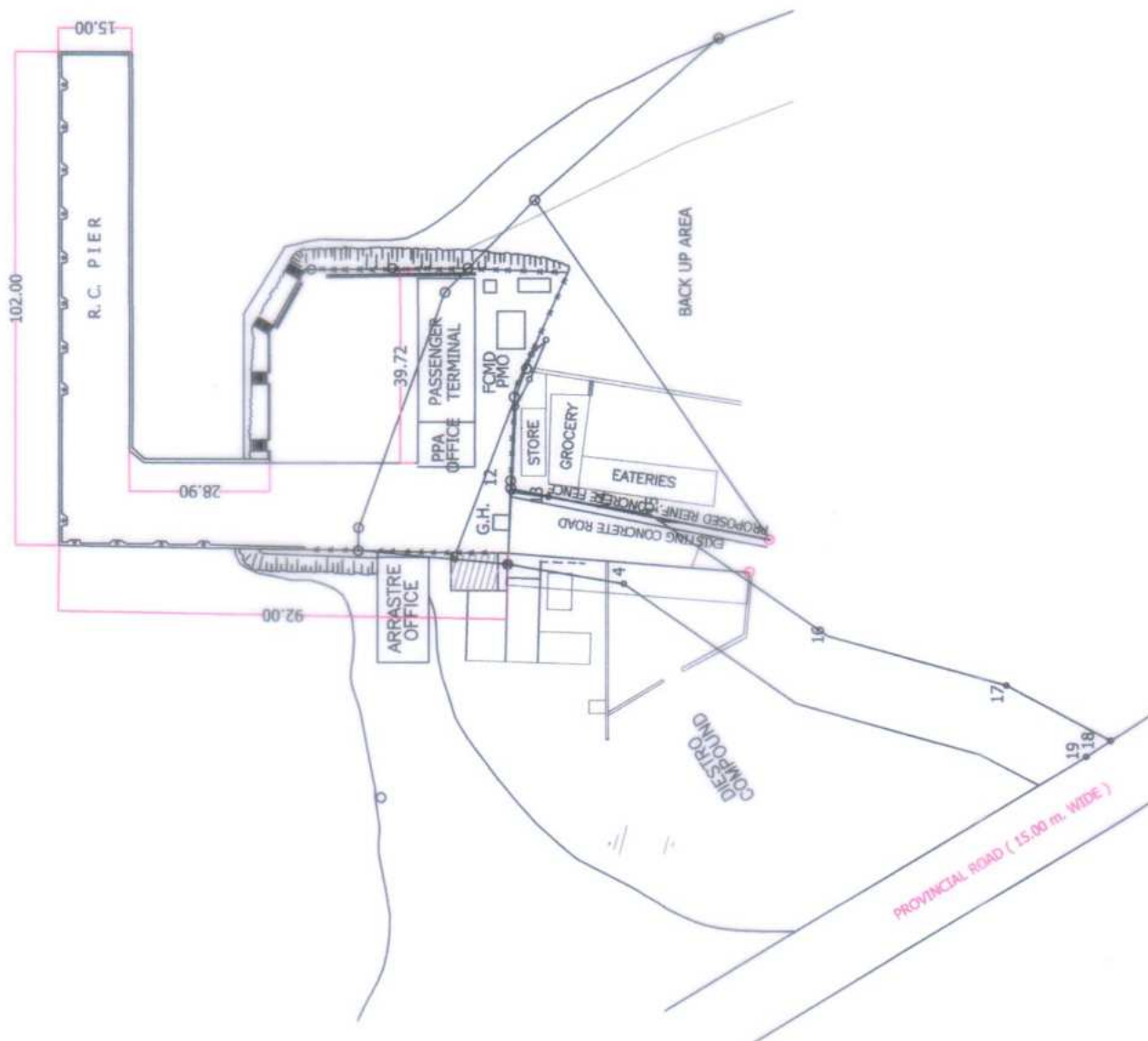


VICINITY MAP  
NOT TO SCALE



PORT LAYOUT PLAN  
PORT OF CATIGLAN  
CATIGLAN, MALAY, AKLAN







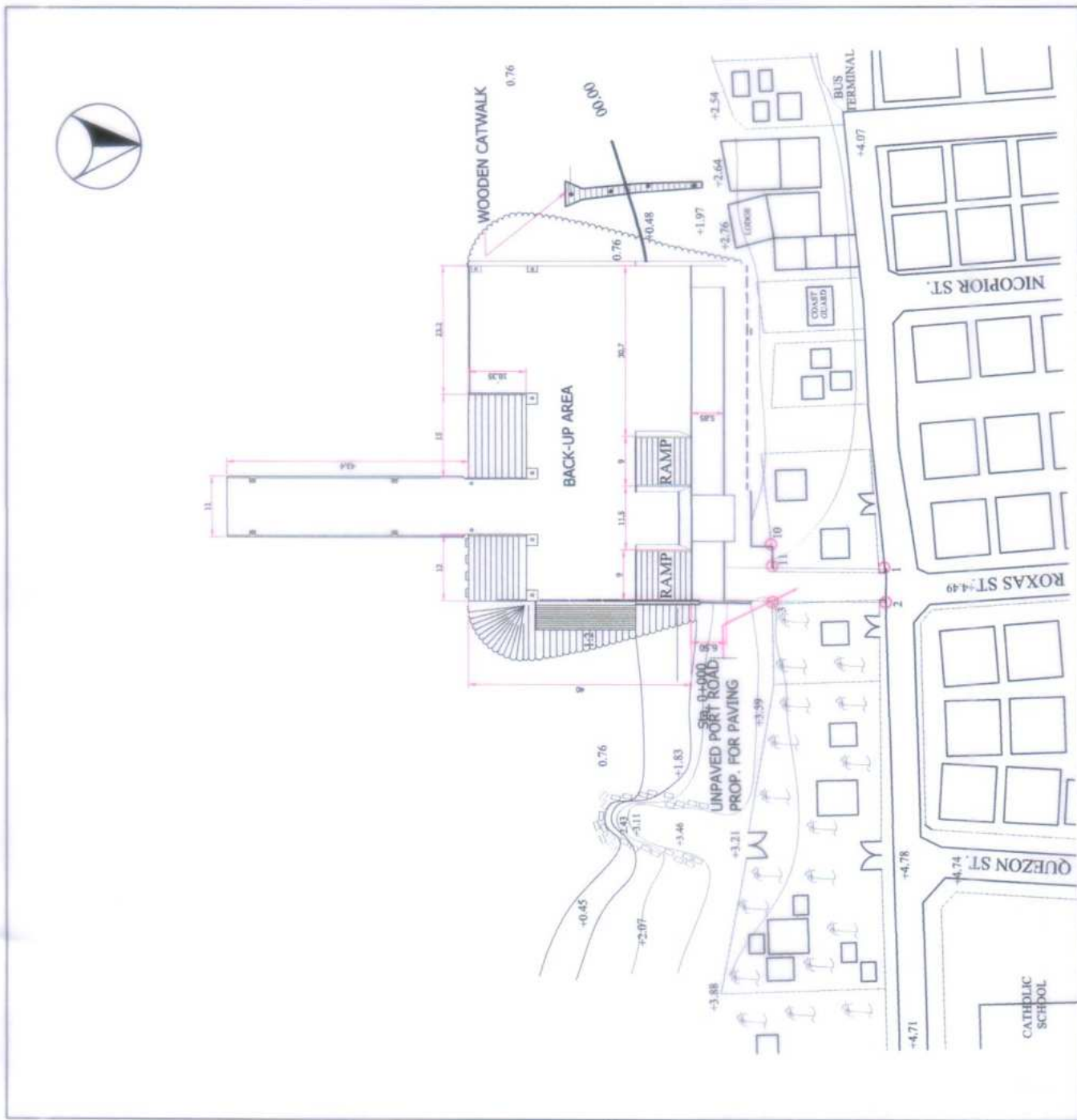
VICINITY MAP  
NOT TO SCALE

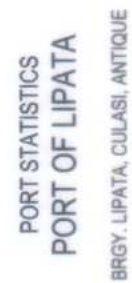


GRAPHICAL SCALE IN METERS  
SCALE : 1:10000 M.



PORT LAYOUT PLAN  
PORT OF LIBERTAD  
LIBERTAD, ANTIQUE







0 20 40 120 160  
GRAPHICAL SCALE IN METERS  
SCALE : 1 : 1000 M



VICINITY MAP  
NOT TO SCALE



PORT LAYOUT PLAN  
PORT OF SAN JOSE DE BUENAVISTA  
BRISBAY, SAINT VINCENT AND THE GRENADINES



R.L.C. WHARF EXTENSION (12m x 111m)  
 PCMD H.O. CAPEX PROJECT  
 (COMPLETED JANUARY 2023)





## PORT LAYOUT PLAN

# PORT OF BUENAVISTA

BRGY.STO. ROSARIO, BUENAVISTA, GUIMARAS



BRGY. HOSKYNS, JORDAN, GUIMARAS



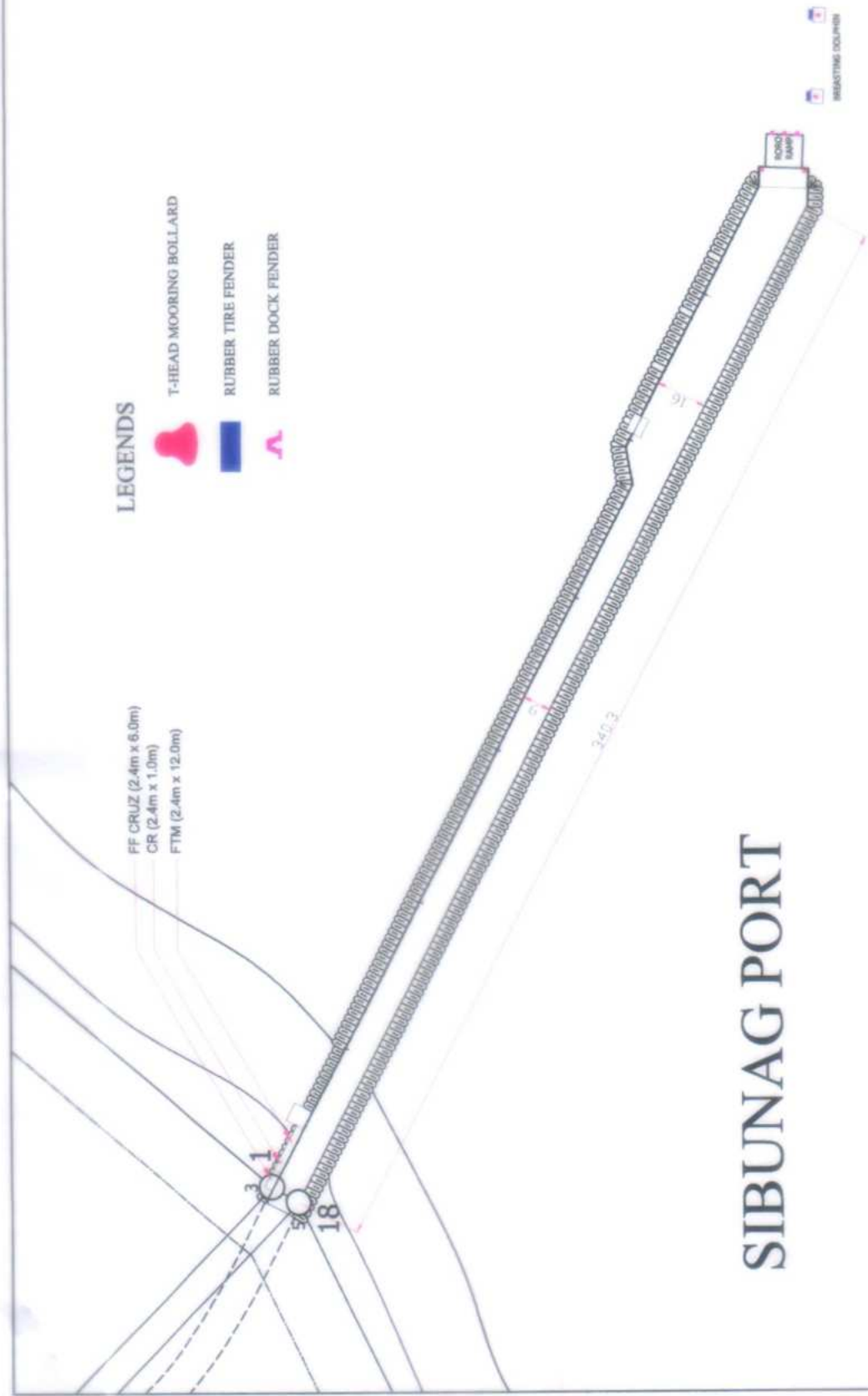


VICINITY MAP  
1:4 NOT TO SCALE

# LEGENDS

- T-HEAD MOORING BOLLARD
- RUBBER TIRE FENDER
- RUBBER DOCK FENDER

FF CRUZ (2.4m x 6.0m)  
CR (2.4m x 1.0m)  
FTM (2.4m x 12.0m)



## SIBUNAG PORT



PORT LAYOUT PLAN  
PORT OF SIBUNAG

BRGY. SEBASTE, SIBUNAG, GUIMARAS