

INFRASTRUCTURE



DEVELOPMENT

IN SUBIC BAY



FREEPORT ZONE

Basic Information

SUBIC BAY METROPOLITAN AUTHORITY (SBMA)

- A government-owned and -controlled corporation established in 1992 to manage and develop the Subic Bay Freeport, including the Port of Subic, into a self-sustaining industrial, commercial, logistics and tourism center
- No. of Employees: 2,312 (as of Jan 2020)
- One-stop investment promotion, registration and regulatory agency for the entire Subic Bay Freeport Zone
- Key Functions: Investment Promotion, Infrastructure Development, Port Administration, Security and Law Enforcement, Permitting and Licensing

SUBIC BAY FREEPORT AND SPECIAL ECONOMIC ZONE (SBFSEZ)

- Total Area: 67,452 hectares
- Top Four Industry Sectors: Maritime and Port-Related, Manufacturing, Tourism and Leisure, and Utilities



SUBIC BAY FREEPORT DISTRICT MAP



SBMA INFRASTRUCTURE PROJECTS



I. DRAINAGE SYSTEM

PROJECT : REHABILITATION OF EL KABAYO ROAD
PROFILE : Elevation of grade line and drainage structures
CONTRACT COST : Php 10,165,316.78
DATE STARTED : August 23, 2018
COMPLETION DATE : February 18, 2019



BEFORE



AFTER



PROJECT : DRAINAGE SYSTEM IMPROVEMENT FOR ARGONAUT HIGHWAY – GEORGE DEWEY COMPLEX VICINITY

PROFILE : Drainage canals and Reinforced Concrete Box Culverts, PCCP and Site Development works

CONTRACT COST : Php 19,783,782.89

DATE STARTED : December 3, 2018

COMPLETION DATE : October 15, 2019



BEFORE

AFTER

S U B I C B A Y M E T R O P O L I T A N A U T H O R I T Y

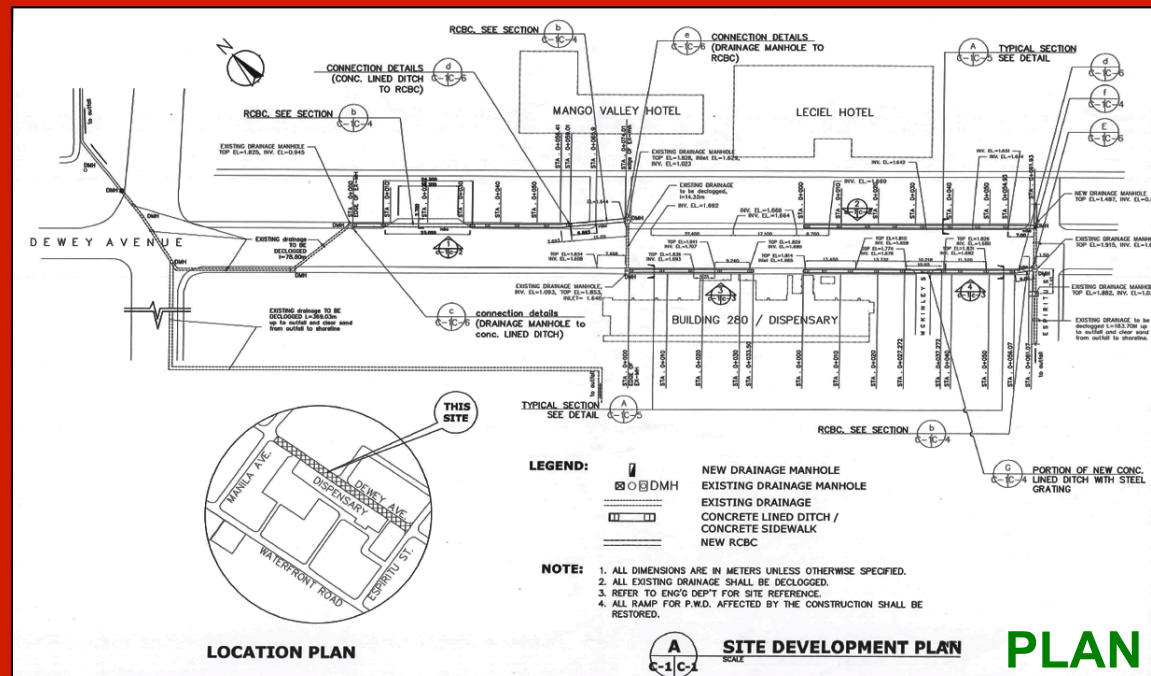
PROJECT : **DRAINAGE AND FLOOD CONTROL SURROUNDING BLDG. 280**

PROFILE : **Rehabilitation of drainage**

CONTRACT COST : **Php 3,378,980.00**

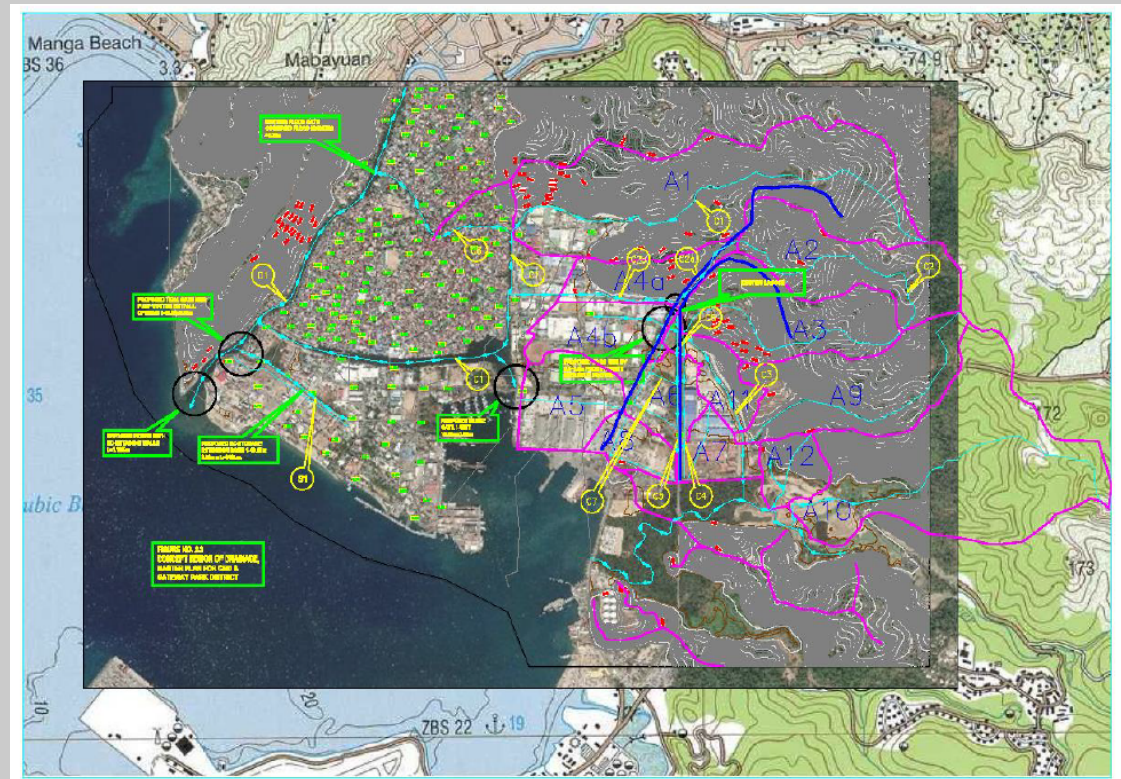
DATE STARTED : **February 1, 2020**

TARGET COMPLETION DATE : **May 30, 2020**



PROJECT: CONSULTANCY SERVICES FOR THE DEVELOPMENT, DETAILED ENGINEERING DESIGN AND IMPLEMENTATION SUPERVISION OF DRAINAGE MASTER PLAN

PROFILE : Central Business and Gateway Districts
CONTRACT COST : Php 20,097,500.00
DATE STARTED (PLANNING) : July 22, 2019
TARGET COMPLETION DATE (PLANNING) : March 17, 2020
IMPLEMENTATION START : 2020



PLAN



II. SLOPE PROTECTION WORKS

PROJECT : REHABILITATION OF SLOPE AT EL KABAYO ROAD
CONTRACT COST : Php 1,684,074.57
DATE STARTED : June 6, 2019
COMPLETION DATE : July 17, 2019



BEFORE



AFTER



**PROJECT : REHABILITATION OF RUBBLE MOUND FOR
BARRETTE LIGHT OF RUNWAY #07**

CONTRACT COST : Php 5,475,868.12

DATE STARTED : August 28, 2019

COMPLETION DATE : November 25, 2019



BEFORE



AFTER



PROJECT : REHABILITATION OF SLOPE AT BINICTICAN HILL
CONTRACT COST : Php 10,843,912.74
DATE STARTED : June 18, 2019
COMPLETION DATE : December 14, 2019



BEFORE



AFTER



PROJECT : REHABILITATION OF SLOPE AT BISON ST., BINICTICAN DRIVE

CONTRACT COST : Php 7,831,016.05
DATE STARTED : June 27, 2019
TARGET COMPLETION DATE : February 21, 2020



BEFORE



CURRENT



PROJECT : REHABILITATION OF GROUND SLOPE AT THE
BACK OF CLUSTER UNIT NO. 386 EL KABAYO ROAD,
BINICTICAN HEIGHTS

CONTRACT COST : Php 19,490,716.47
DATE STARTED : November 14, 2019
COMPLETION DATE : May 11, 2020



BEFORE



ON-GOING



PROJECT : REHABILITATION OF SLOPE AT APARRI ROAD
CONTRACT COST : Php 19,490,716.47
DATE STARTED : November 14, 2019
COMPLETION DATE : May 11, 2020



BEFORE



ON-GOING



III. ROAD WORKS

❖ ROAD REHABILITATION PROJECT 2016	-	Php 77,037,815.75
ROAD REHABILITATION PROJECT 2018	-	Php 279,289,389.87
ROAD REHABILITATION PROJECT 2019	-	Php 225,485,382.20
NSD ROAD REHABILITATION NETWORK - PHASE 2	-	Php 84,740,153.90
NSD ROAD REHABILITATION NETWORK - PHASE 3	-	Php 289,007,445.57

(PROJECT COMPLETION WITHIN 2020)







DEWEY AVENUE



SUNSET ROAD



MARITAN HIGHWAY





NCT ACCESS ROAD



BINICTICAN DRIVE



**BINICTICAN RD.- ARGONAUT
HIGHWAY INTERSECTION**





NSD ROAD REHABILITATION NETWORK - PHASE 2



PROJECT

**: ROAD REHABILITATION PROJECT 2020
(FOR AWARD TO CONTRACTOR)**

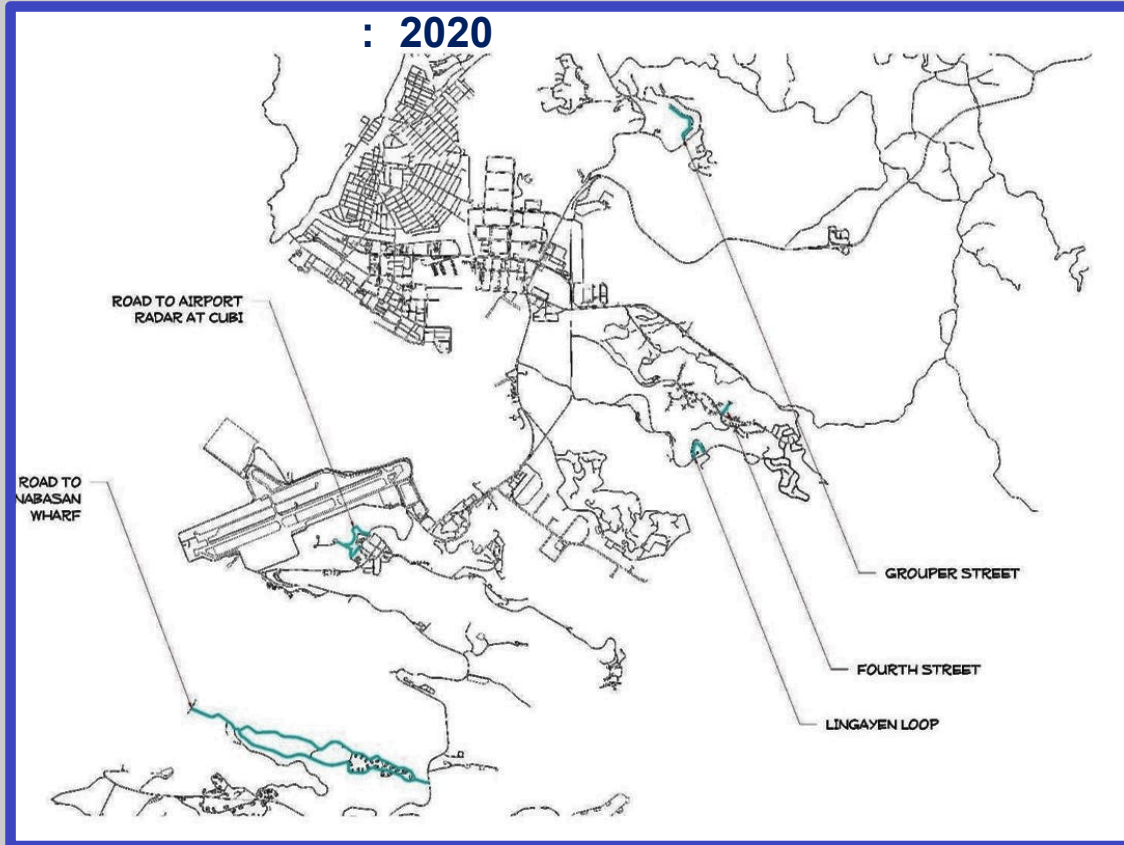
CONTRACT COST

: Php 198,950,573.34

PLANNING & BIDDING COMPLETED : 2019

IMPLEMENTATION

: 2020



PLAN



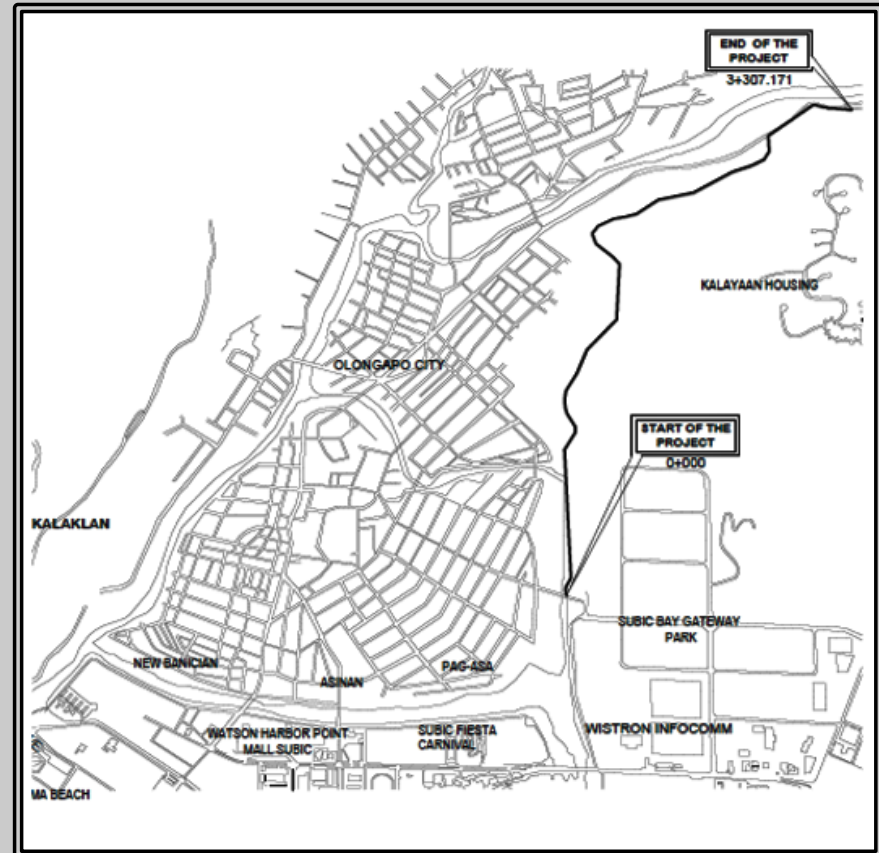
PROJECT : REHABILITATION OF PERIMETER ROAD (ON-GOING)

CONTRACT COST : Php 50,220,000.00

PLANNING & BIDDING COMPLETED : 2019

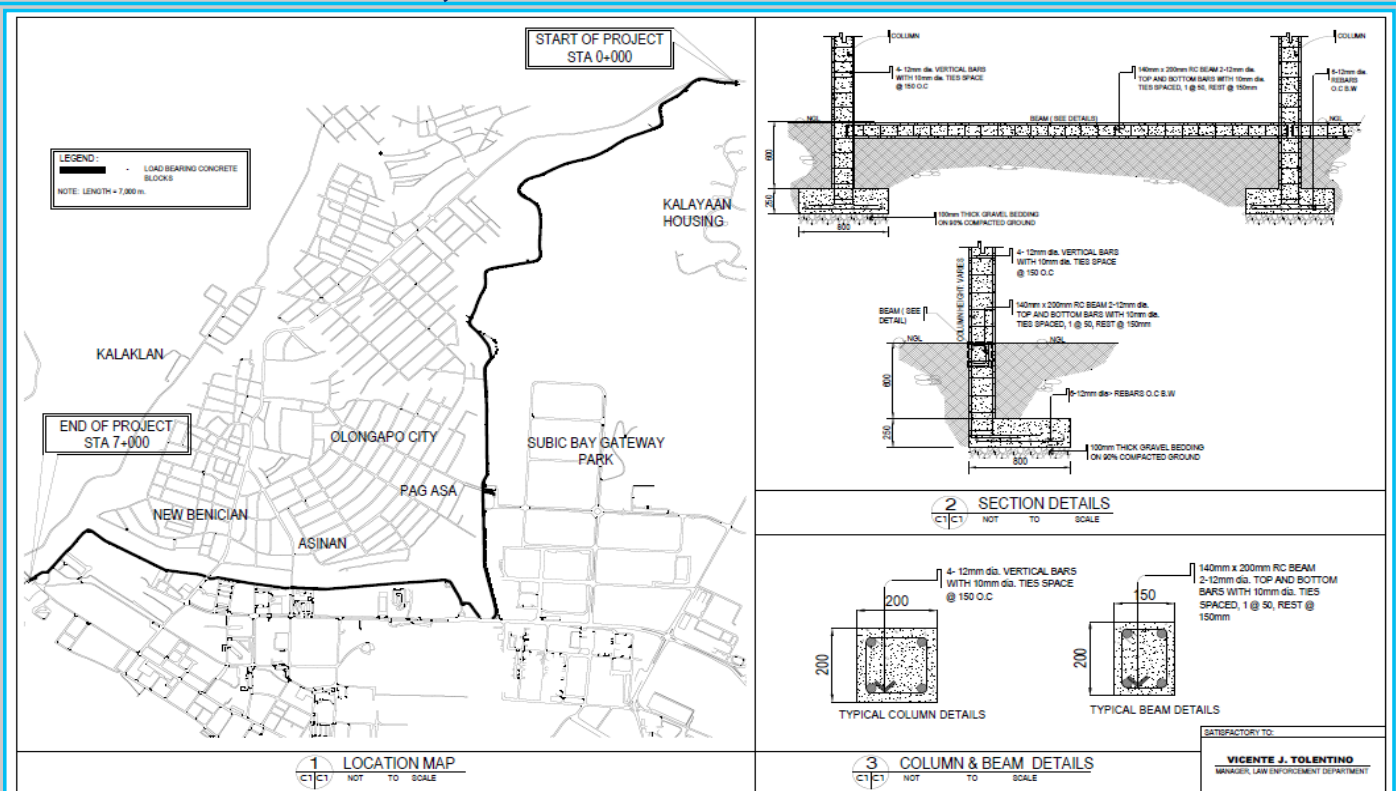
IMPLEMENTATION : 2020

PLAN



PROJECT : **PERIMETER FENCE (KALAKLAN TO KALAYAAN)**
PROFILE : **New Construction**
CONTRACT COST : **Php 66,369,469.33**
DATE STARTED : **January 2, 2020**
COMPLETION DATE : **October 27, 2020**

PLAN
(On-going Status)



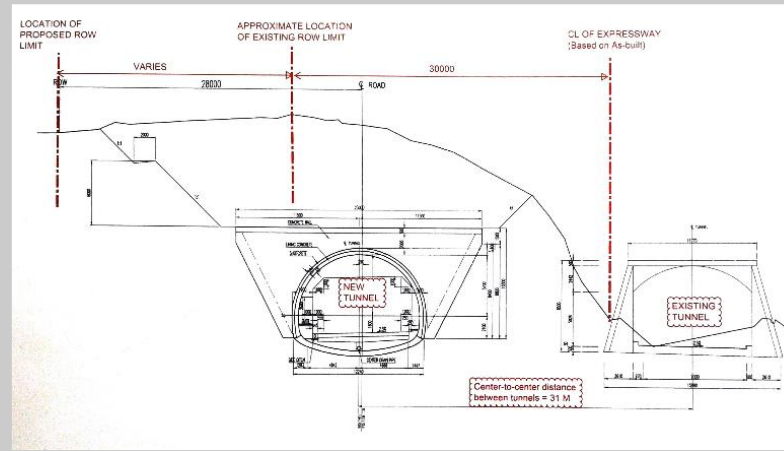
Road widening of the existing Tipo Road

Estimated Cost: Php 1.6 B

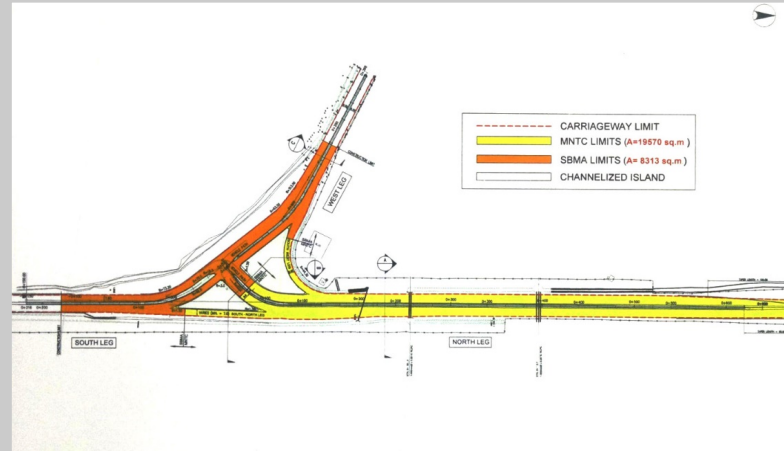
STATUS : On-going construction

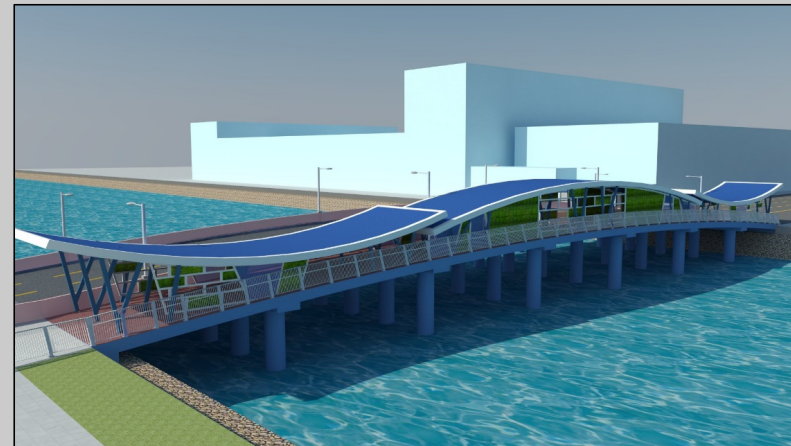
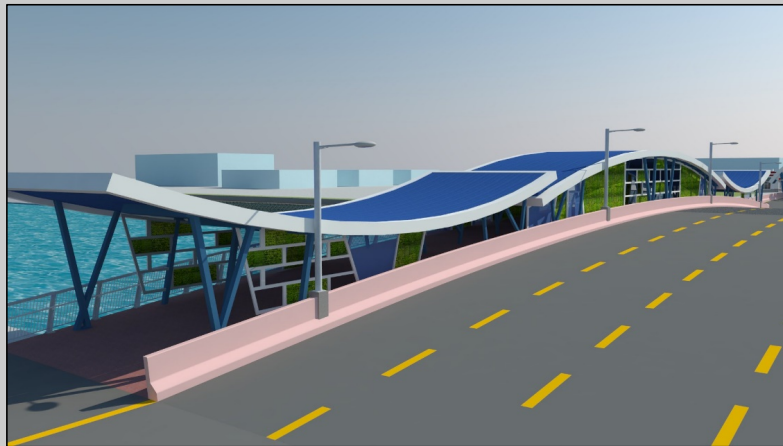


Tipo Road



Jaj-Jaj Bridge





CONSTRUCTION OF MAGSAYSAY BRIDGE



IV. BRIDGE

PROJECT : CONSTRUCTION OF MAGSAYSAY BRIDGE
CONTRACT COST – CONSULTANCY & SUPERVISION : Php 12,779,988.78
CONTRACT COST – IMPLEMENTATION : Php 396,582,528.08
PLANNING & BIDDING COMPLETED : 2019
IMPLEMENTATION : ON-GOING



V. BUILDINGS



PROJECT : RENOVATION OF BLDG. 709
PROFILE : Renovation
CONTRACT COST : Php 7,152,135.52
DATE STARTED : July 11, 2019
COMPLETION DATE: December 13, 2019



BEFORE

AFTER



PROJECT : **FITNESS CENTER**
PROFILE : Building conversion
CONTRACT COST : Php 4,458,472.91
DATE STARTED : August 5, 2019
COMPLETION DATE : January 26, 2020



ON-GOING



BEFORE

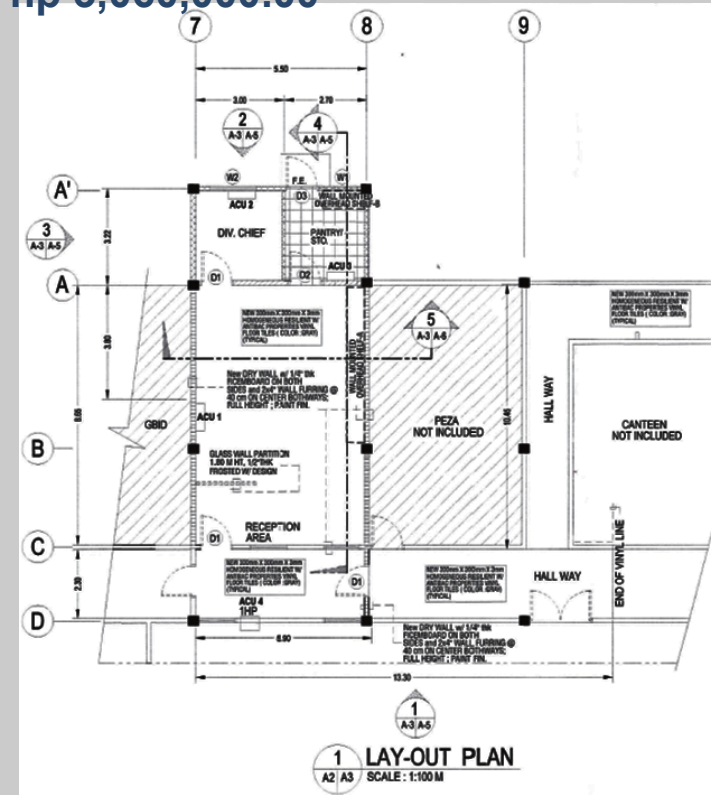
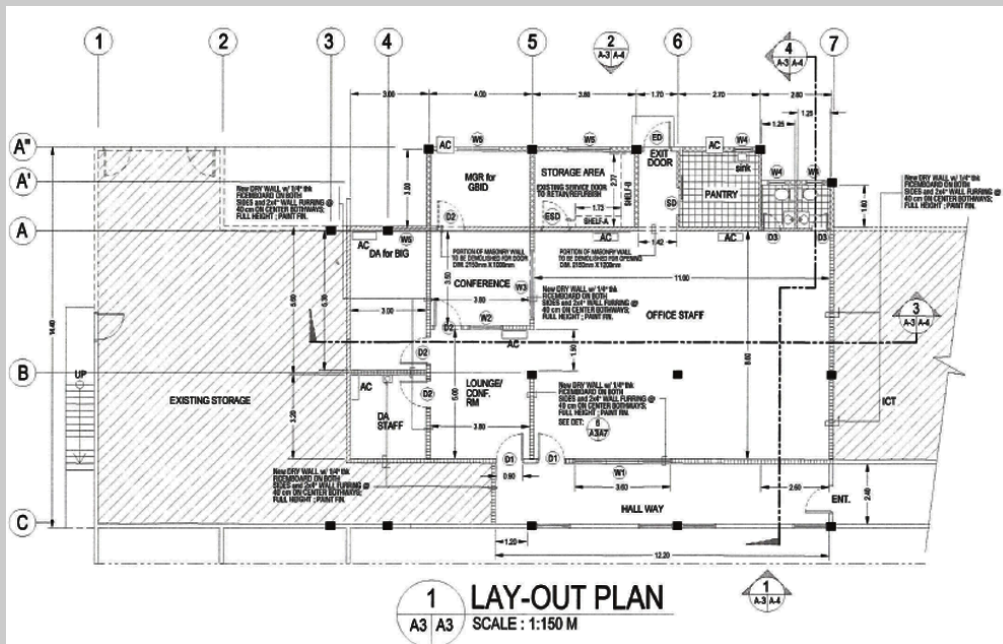
S U B I C B A Y M E T R O P O L I T A N A U T H O R I T Y

SBMA OFFICES

Office Renovation and Rehabilitation BID-ICT -
Office at Bldg. 662

IMPLEMENTATION: 2020

Php 1,640,000.00 Renovation of GBID
Php 3,060,000.00

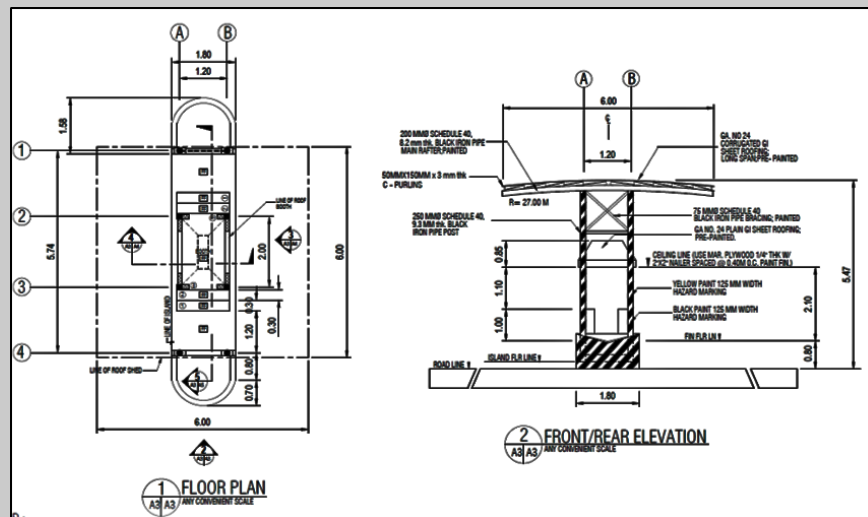


**Renovation of GBID
Office at Bldg. 662**

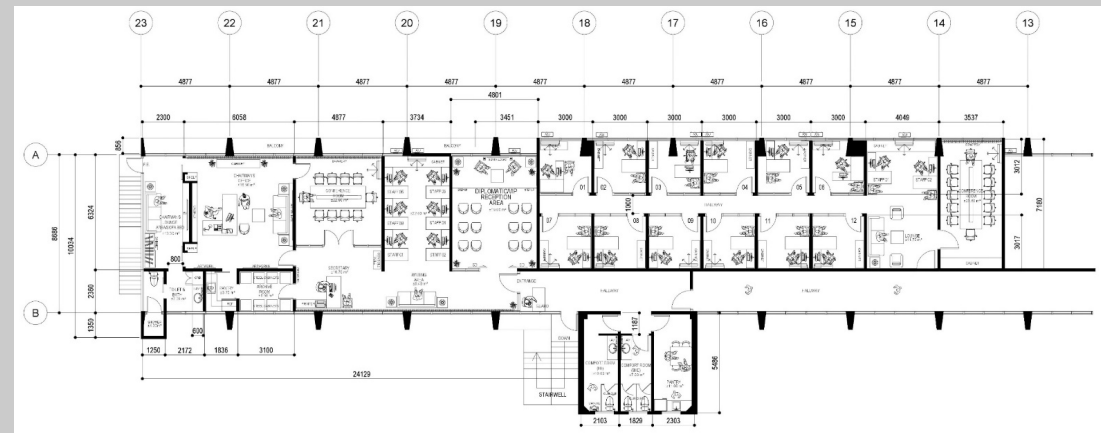
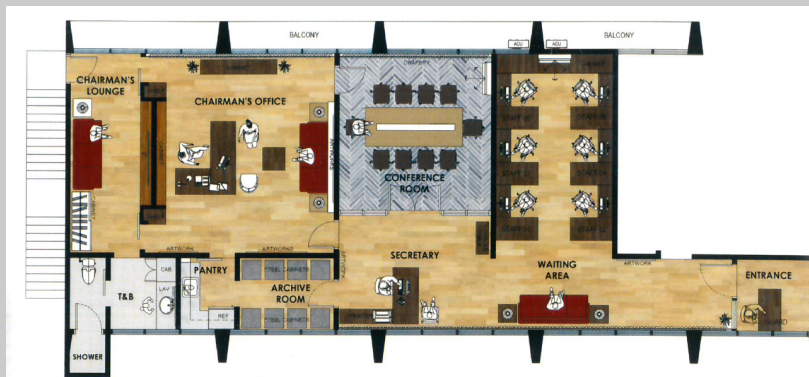
**Office Renovation and
Rehabilitation BID-ICT**



PROJECT : **CONSTRUCTION OF HOUSING SENTRIES**
PROFILE : **New Construction**
CONTRACT COST : **Php 6,607,970.11**
DATE STARTED : **September 2, 2019**
COMPLETION DATE : **ON-GOING**



PROJECT : CONSTRUCTION OF CHAD AND BOD OFFICES
PROFILE : Renovation
CONTRACT COST : Php 10,604,968.38
DATE STARTED : January 2, 2020
COMPLETION DATE : June 29, 2020



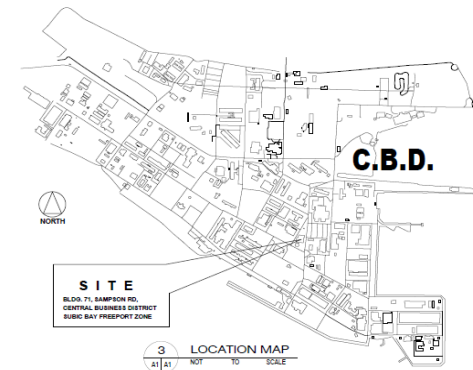
**PLAN
(On-going Status)**



PROJECT PROFILE : **CONSTRUCTION OF BUILDING 71 (FIRE STATION #7)**
PROJECT COST (ABC) : **Php 26,950,000.00**
IMPLEMENTATION : **2020**



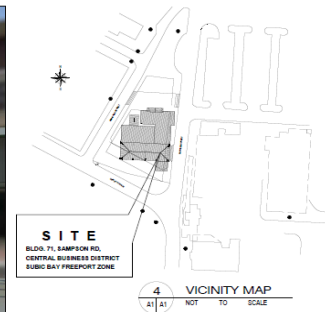
1 AERIAL PERSPECTIVE
 1/4" = 1' NOT TO SCALE



3 LOCATION MAP
 1/4" = 1' NOT TO SCALE



2 PERSPECTIVE
 1/4" = 1' NOT TO SCALE



4 VICINITY MAP
 1/4" = 1' NOT TO SCALE

SATISFACTORY TO:

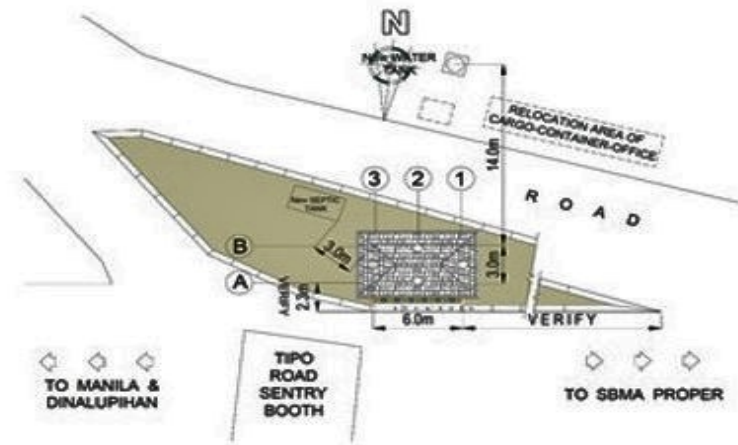
RANNY D. MAGNO
 MANAGER, FIRE DEPARTMENT



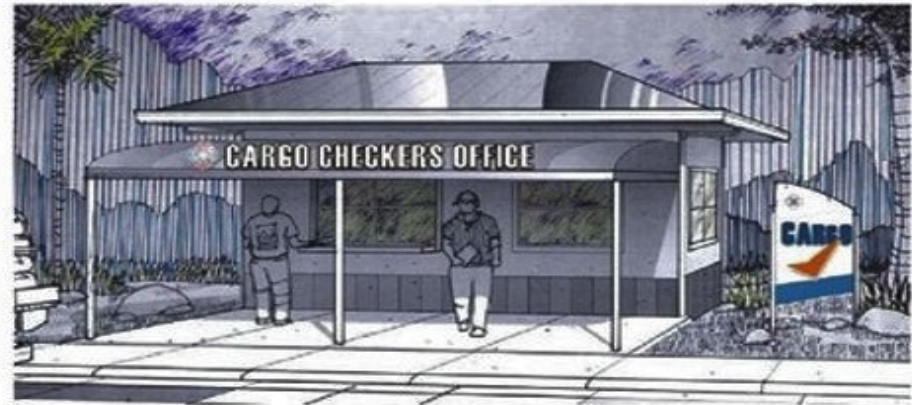
VI. PORTS

PROJECT	:	CONSULTANCY SERVICE FOR THE PREPARATION OF DETAILED ENGINEERING DESIGN FOR VARIOUS SEAPORT PROJECTS
PROFILE	:	Upgrading
CONTRACT COST	:	Php 66,369,469.33
DATE STARTED	:	January 2, 2020
COMPLETION DATE	:	October 27, 2020

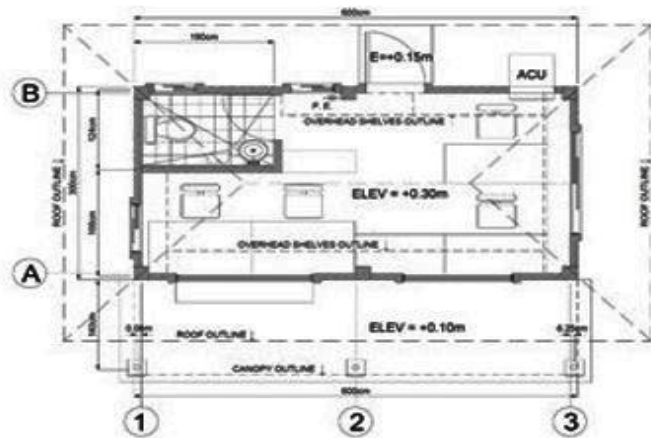




PROPOSED SITE DEVELOPMENT



PERSPECTIVE



Project Description	
Project Name	CARGO CONTROL BRANCH OFFICE AT TIPO GATE
Project Location	Tipogate, Subic Bay Freeport Zone
Structure Purpose	Cargo checkers field monitoring office for the inspection of inbound / outbound cargoes.
Technical Data	
Total CFA (Construction Floor Area)	= 18 square meters
Canopy Area	= 8.40 square meters
Notes	

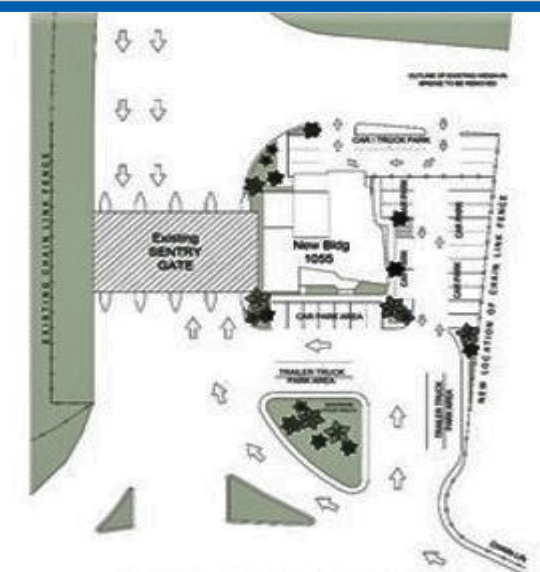
The consultant shall include in the design the provisions for utilities, connections and all other necessary details to suit the actual conditions. Whereas, the consultant shall base but not be limited to the conceptual drawings for the preparation of detailed designs, subject to the approval of SBMA.

SATISFACTORY TO:

JEROME M. MARTINEZ
Manager, Support Department

CARGO CONTROL BRANCH OFFICE AT TIPO GATE

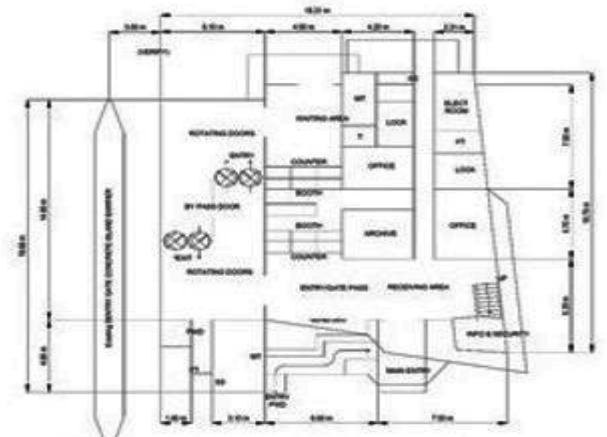




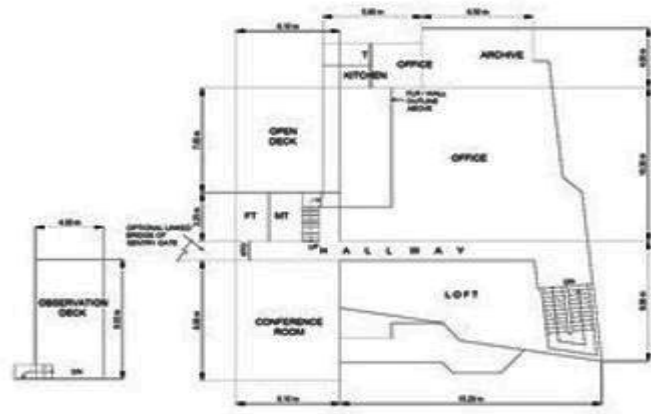
PROPOSED SITE DEVELOPMENT



VICINITY MAP



GROUND FLOOR LAYOUT



SECOND FLOOR & OBSERVATION DECK LAYOUT



EAST ELEVATION

Project Description

Project Name
NEW TERMINAL OPERATIONS DIVISION (TOD) OFFICE BUILDING

Project Location
 Sentry Gate, NSD Compound, Argonaut Highway, Subic Bay Freeport Zone

Structure Purpose
 Shall serve as Admin building for the users inside the NSD Compound to control and monitor the entry / exit and transactions of personnel and vehicles inside the compound

Technical Data

Total CFA (Construction Floor Area)	= 690 square meters
Ground Floor CFA	= 362 square meters
Second Floor CFA	= 296 square meters
Observation Deck CFA	= 32 square meters

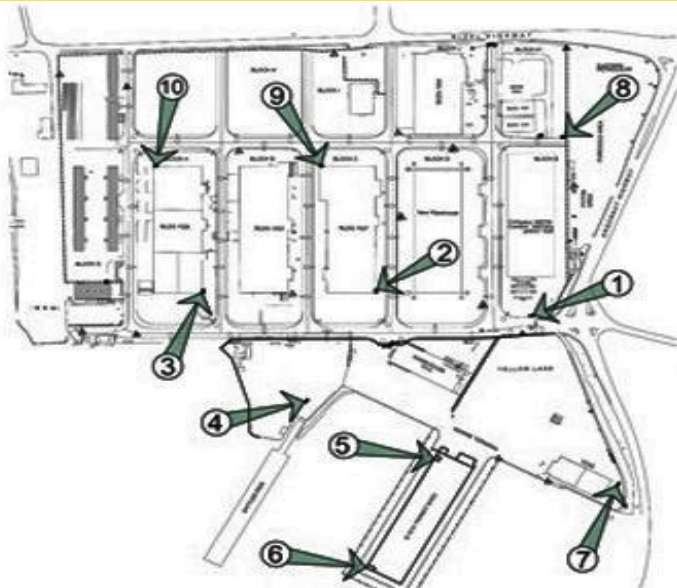
Notes

The consultant shall include in the design the provisions for utility connection and all other necessary details to suit the actual conditions. The consultant shall base but not be limited to the conceptual drawings and shall verify its adequacy of provided for the preparation of detailed designs subject to the approval of SBMA.

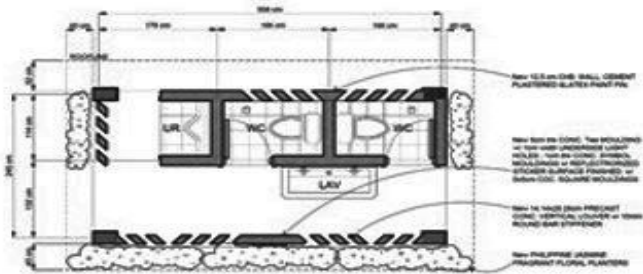
SATISFACTORY TO:
 JEROME M. MARTINEZ

NEW TERMINAL OPERATIONS DIVISION (TOD) OFFICE BUILDING





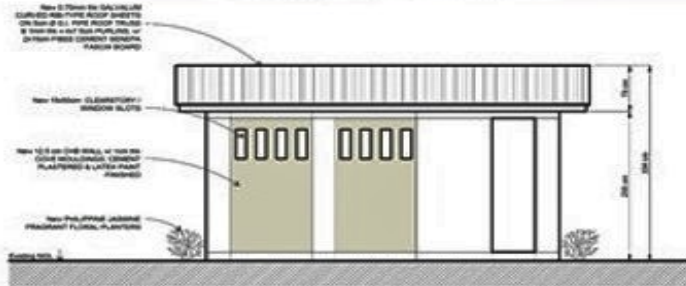
PROPOSED LOCATIONS



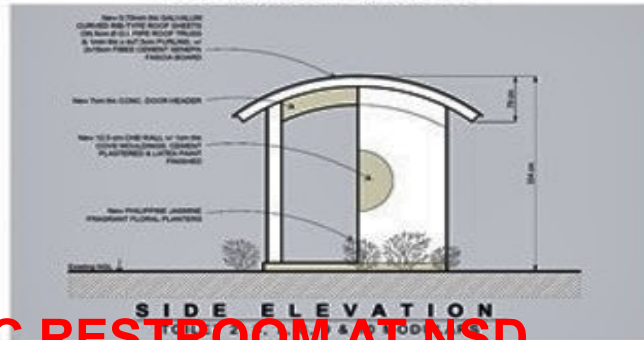
**FLOOR LAYOUT
TOILET 2, 3, 7, 8, 9 & 10 MODULARS**



**FRONT ELEVATION
TOILET 2, 3, 7, 8, 9 & 10 MODULARS**



**REAR ELEVATION
TOILET 2, 3, 7, 8, 9 & 10 MODULARS**



**SIDE ELEVATION
TOILET 2, 3, 7, 8, 9 & 10 MODULARS**

Schedule of Toilets		
Toilet no.	Location	Remarks
Toilet 1	Located within the Proposed New TOD Office Building	New toilet, shall have dedicated restrooms for public users and office staff. The design for Toilet 1 shall be incorporated in the New TOD Office Building
Toilet 2	at Bldg 1027 (front)	New Toilet
Toilet 3	at Bldg 1027 (front)	New Toilet
Toilet 4	at Kippings Point	Rehabilitation of Existing Toilet
Toilet 5	at Bldg 1010 (front)	The design for Toilet 5 shall be incorporated in the Rehabilitation of Bldg 1010 Phase 2
Toilet 6	at Bldg 1010 (back)	The design for Toilet 6 shall be incorporated in the Rehabilitation of Bldg 1010 Phase 2
Toilet 7	at Bldg 1035	New Toilet
Toilet 8	at Bldg 1076 (back)	New Toilet
Toilet 9	at Bldg 1027 (back)	New Toilet
Toilet 10	at Bldg 1026 (back)	New Toilet

Project Description

Project Name
PUBLIC RESTROOM AT NSD

Project Location
NSD Compound, Argonaut Highway, Subic Bay Freepoint Zone

Structure Purpose
Shall serve as public restrooms for users inside the compound

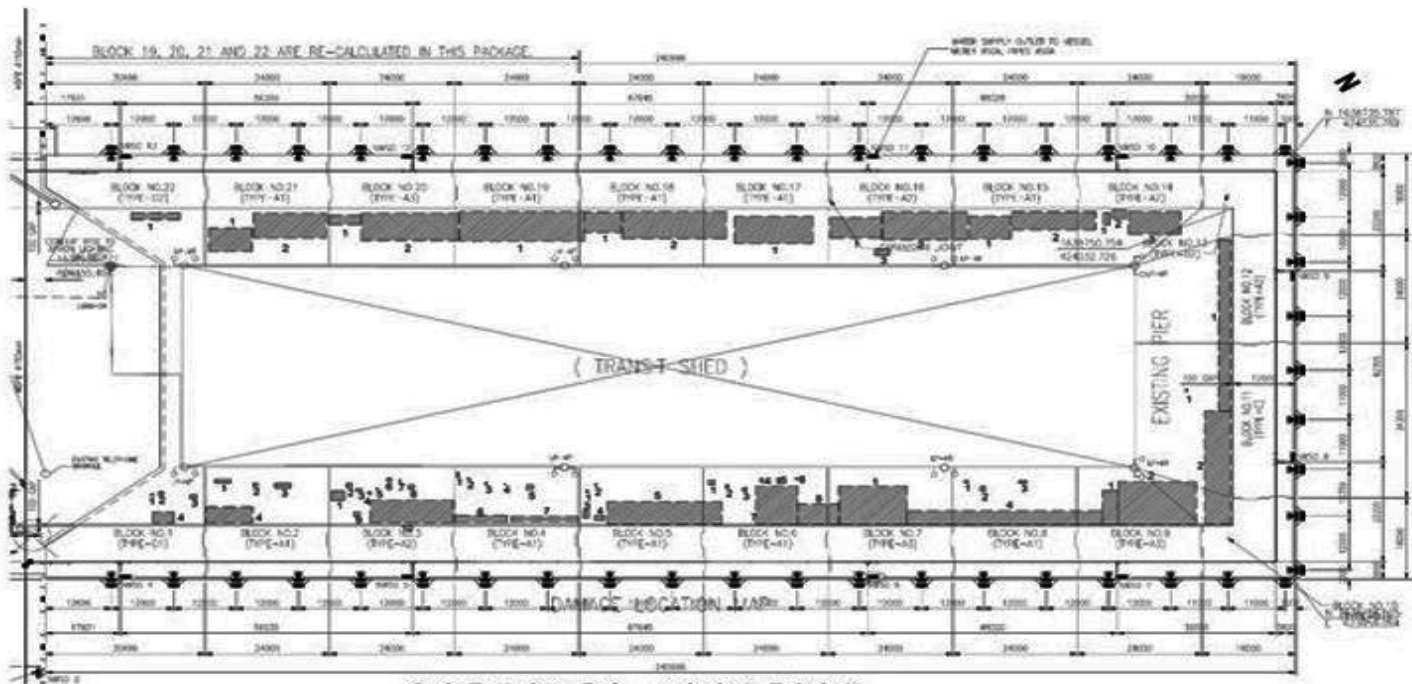
Notes
The consultant shall base but not be limited to the conceptual drawings. The consultant shall identify the most efficient design, cubic count and locations considering the existing or new tapping point for water, sewer lines, users and other utilities necessary for the preparation of detailed designs subject to the approval of SBMA.

SATISFACTORY TO:

JEROME M. MARTINEZ
Designer, Support Department

PUBLIC RESTROOM AT NSD





POTHLES LOCATION

Block	Length	Width	Area	Block	Length	Width	Area	Block	Length	Width	Area	Block	Length	Width	Area	Block	Length	Width	Area	Block	Length	Width	Area	Block	Length	Width	Area
B3-8	1.00	1.00	1.00	B4-4	0.30	0.20	0.06	B6-6	0.30	0.40	0.12	B9-2	10.00	9.50	142.50	B16-3	1.40	2.70	3.78	B22-1	19.30	1.50	28.95				
B3-9	1.00	1.00	1.00	B4-5	1.20	1.10	1.32	B6-7	8.00	8.50	68.00	B8-1	0.70	0.40	0.28	B15-1	8.00	5.00	40.00	B21-1	8.30	5.20	43.16				
B3-10	16.00	5.00	80.00	B4-6	10.00	1.50	15.00	B6-8	8.00	4.50	36.00	B8-2	0.80	0.80	1.00	B15-2	15.00	4.00	60.00	B21-2	14.00	5.50	77.00				
B2-1	3.00	0.80	2.40	B4-7	13.00	4.20	54.60	B5-1	0.40	0.50	0.20	B8-3	1.40	0.40	0.56	B14-1	1.20	2.80	3.12	B20-1	6.20	2.00	12.40				
B2-2	0.80	0.70	0.56	B3-1	2.50	2.00	5.00	B5-2	0.40	0.70	0.28	B8-4	37.70	3.00	113.10	B14-2	2.50	2.00	5.00	B20-2	18.70	6.00	37.40				
B2-3	3.00	1.00	3.00	B3-2	1.00	1.00	1.00	B5-3	1.00	1.80	1.80	B7-1	13.00	8.50	110.50	B14-3	10.00	5.20	52.00	B19-1	24.00	6.60	158.40				
B2-4	10.90	3.50	38.15	B3-3	1.00	0.80	0.80	B5-4	1.80	1.00	1.80	B6-1	1.10	1.00	1.10	B12-1	0.40	0.50	0.20	B15-1	7.00	4.50	31.50				
B1-1	0.80	0.30	0.18	B3-4	0.80	0.80	0.36	B5-6	22.00	5.00	110.00	B6-2	0.40	0.70	0.28	B12-2	38.00	2.30	87.40	B15-2	20.00	6.00	120.00				
B1-2	0.90	0.80	0.72	B3-5	0.30	0.30	0.09	B4-1	0.30	1.10	0.33	B6-3	0.70	0.80	0.56	B11-1	0.30	0.50	0.15	B17-1	15.00	6.00	90.00				
B1-3	1.20	0.80	0.96	B3-6	0.80	0.80	0.48	B4-2	0.60	0.40	0.24	B6-4	0.70	0.80	0.56	B11-2	25.00	5.00	125.00	B16-1	10.00	4.50	45.00				
B1-4	4.00	2.50	10.00	B3-7	0.30	0.80	0.24	B4-3	0.40	0.50	0.20	B6-5	0.50	1.20	0.60	B9-1	2.00	7.50	15.00	B16-2	16.30	6.20	101.06				

POTHLES SCHEDULE

Project Description
REPAIR WORKS OF POTHOLES AT THE APRON OF MARINE TERMINAL PIER

Project Location
 Marine Terminal, NSD Compound, Argonaut Highway, Subic Bay Freeport Zone

Structure Purpose
 The apron serves as staging of personal working and equipments used during unloading and loading of cargo vessels along the pier. It also serves as access road for vehicles accessing Bldg 1010.

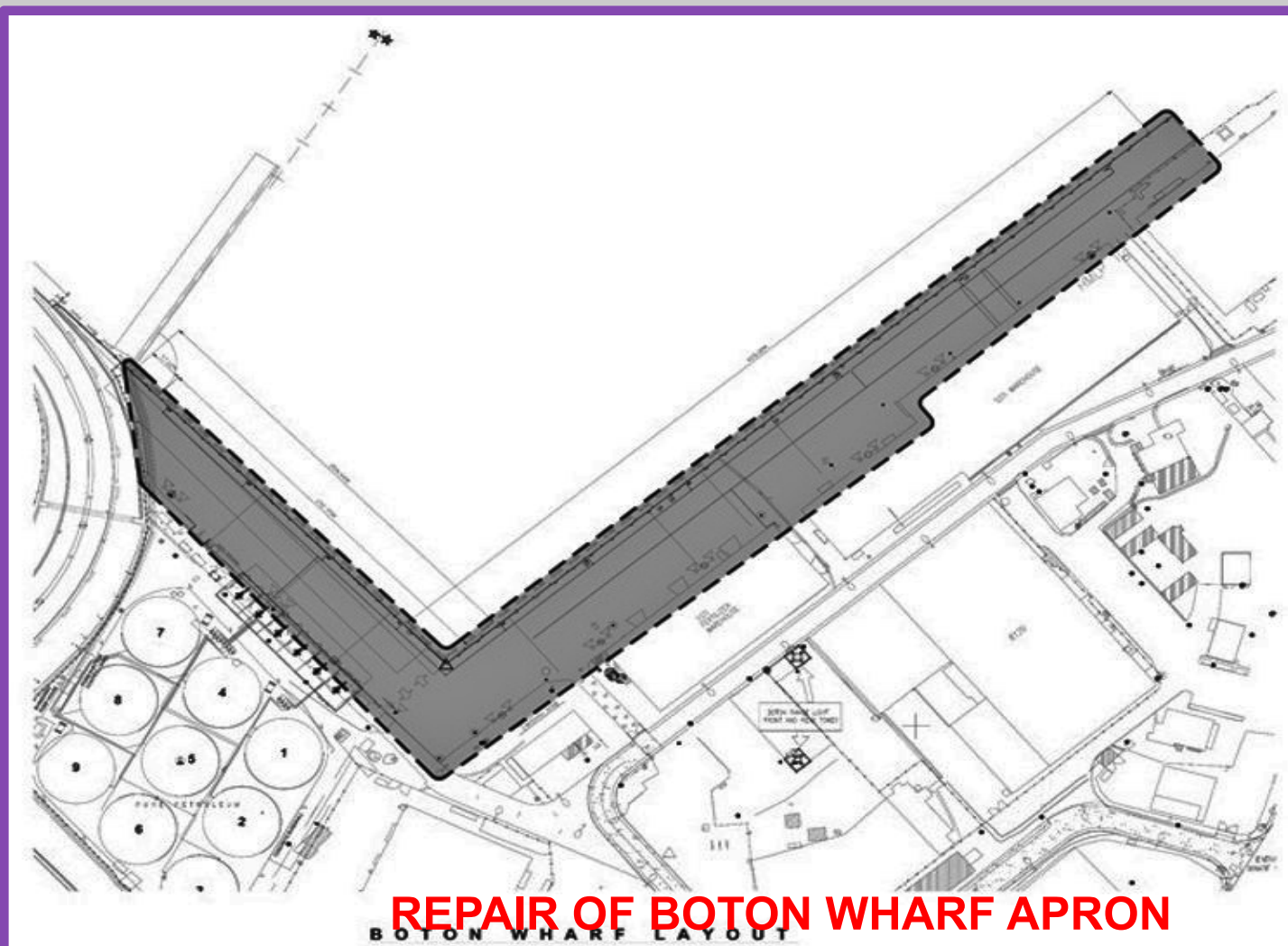
Notes
 The consultant shall base but not be limited to the conceptual drawings and shall verify on site its actual condition for the preparation of detailed designs subject to the approval of SBMA.

The consultant shall verify the actual coverage of damaged potholes. Identify the appropriate repair methodology and implementation plan that will not hamper the existing operations along the Marine Terminal.

SATISFACTORY TO:



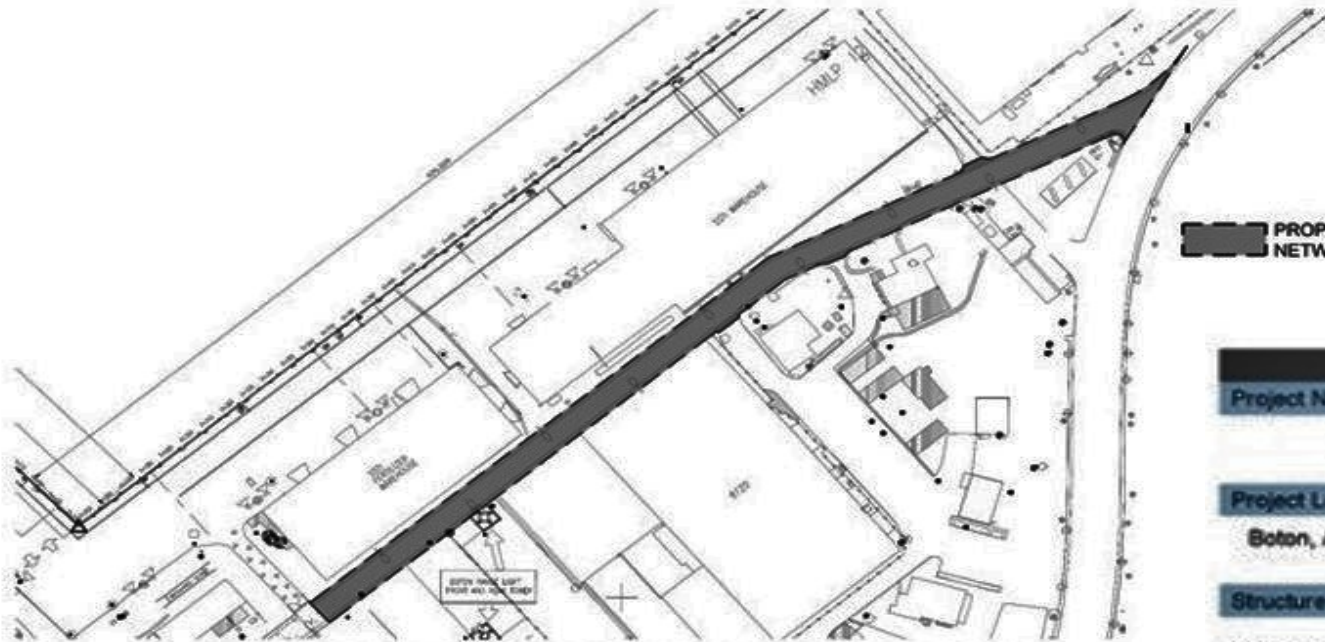
APRON OF MARINE TERMINAL PIER



APRON

Project Description	
Project Name	REPAIR OF BOTON WHARF APRON
Project Location	Boton Wharf, Argonaut Highway, Subic Bay Freeport Zone
Structure Purpose	The apron serves as staging of personnel working and equipments used during unloading and loading of cargo vessels along the pier.
Notes	The consultant shall base but not be limited to the conceptual drawings and shall verify on site the actual condition of the apron for the preparation of detailed designs subject to the approval of SBMA.
SATISFACTORY TO	
JEROME M. MARTINEZ	





PROPOSED BOTON ROAD NETWORK

PROPOSED ROAD NETWORK

Project Description

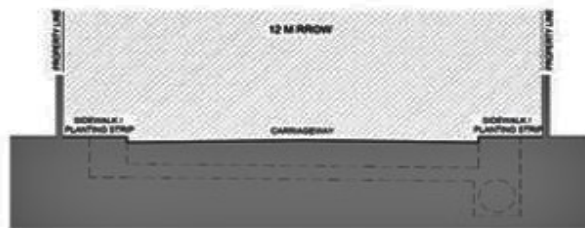
Project Name
BOTON ROAD NETWORK

Project Location
 Boton, Argonaut Highway, Subic Bay Freeport Zone

Structure Purpose
 The proposed Boton Road Network will serve as a dedicated road for port users as the main road is currently congested.

Notes
 The consultant shall verify on site the actual condition of the proposed road network and shall incorporate all the necessary utilities and additional scope for the preparation of detailed designs subject to the approval of SBMA. The design shall conform with DPWH, SBMA and or other applicable road design standard.

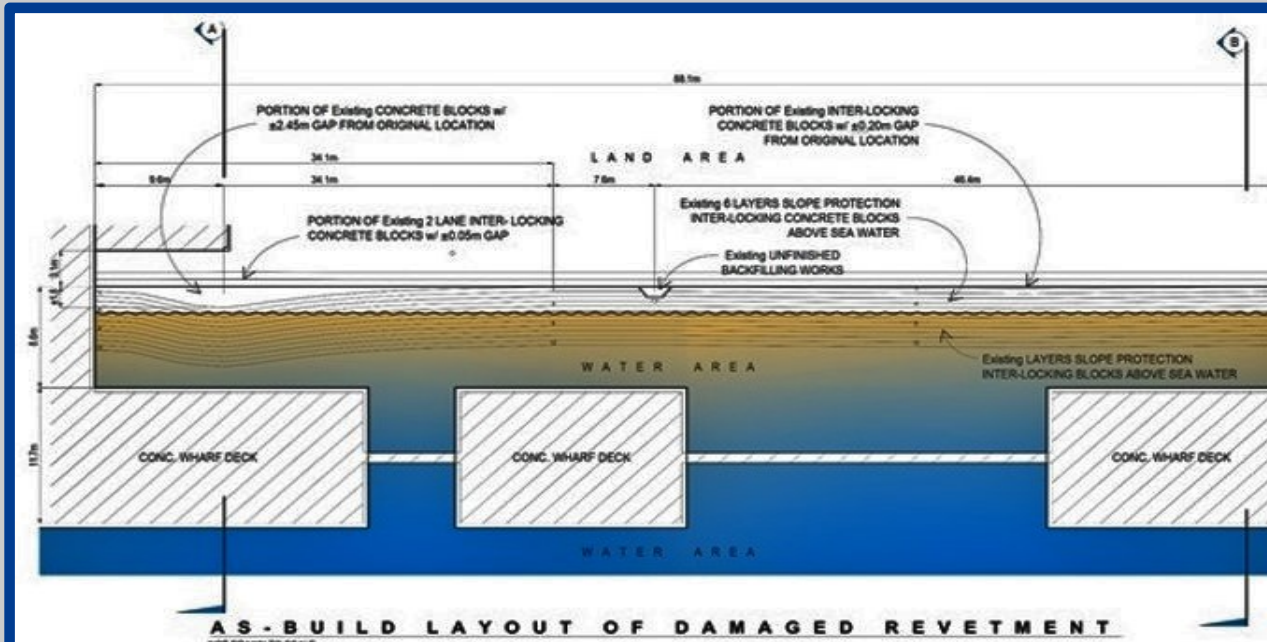
SATISFACTORY TO: _____



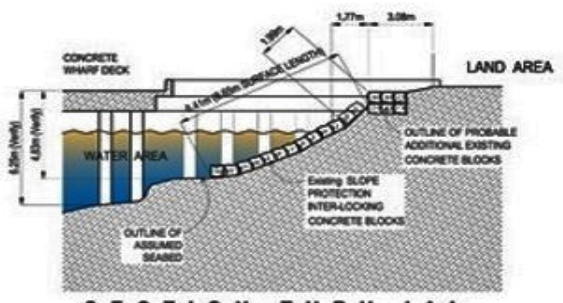
TYPICAL ROAD SECTION
 NOT DRAWN TO SCALE

BOTON ROAD NETWORK

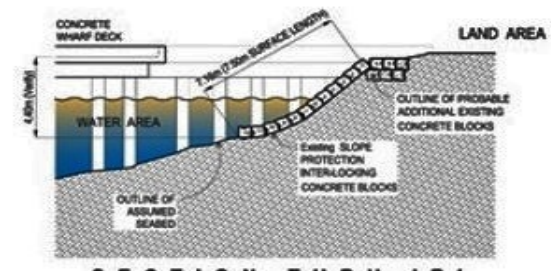




AS-BUILD LAYOUT OF DAMAGED REVETMENT
NOT DRAWN TO SCALE



SECTION THRU 'A'



SECTION THRU 'B'

Project Description

Project Name

RE-INSTALLATION OF CONCRETE BLOCKS OF DAMAGED REVETMENT FOR LEYTE WHARF

Project Location

Leyte Wharf, Cubi Point, Subic Bay Freeport Zone

Structure Purpose

The structure serves as retaining wall for the wharf that is used for the operation of Subic Bay Freeport Grain Terminal Services Inc. in transporting their grains.

Notes

The concrete blocks along section A have slipped from their original position which may cause weakness in their upholding strength of the soil beneath.

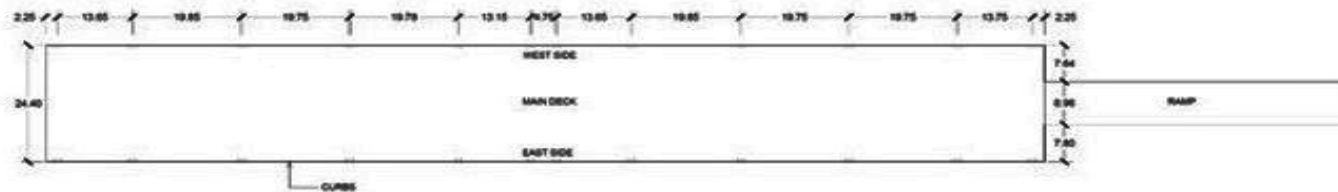
The consultant shall verify the actual condition of the slope protection and shall provide the appropriate repair works to restore the slope protection. The consultant shall include in the design if necessary, the application of geosynthetic fiber and or equivalent to uphold the soil beneath the concrete blocks, and prepare its implementation plan.

SATISFACTORY TO:

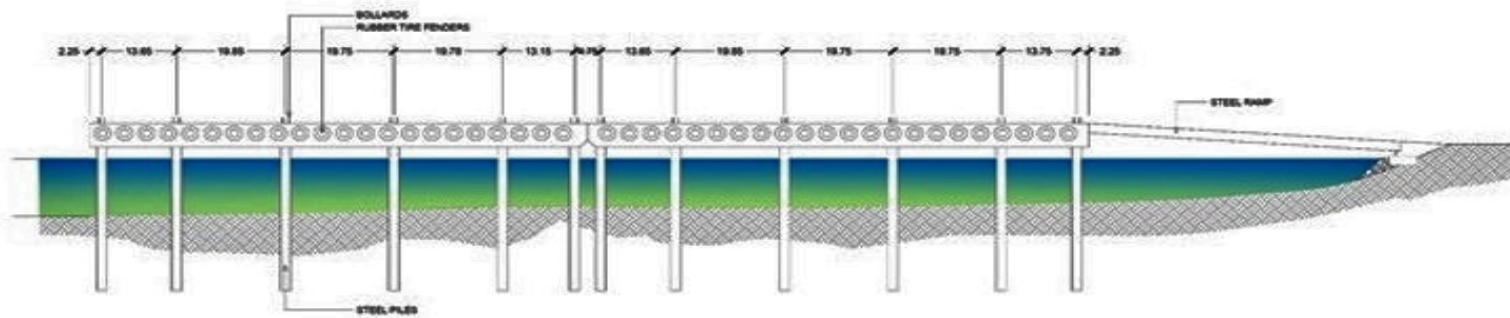
JEROME M. MARTINEZ

DAMAGED REVETMENT FOR LEYTE WHARF





SATTLER PIER LAYOUT
NOT DRAWN TO SCALE



SATTLER PIER ELEVATION
NOT DRAWN TO SCALE

Project Description
Project Name
REHABILITATION OF SATTLER PIER
Project Location
Sattler Pier, NSD Compound, Subic Bay Freeport Zone
Structure Purpose
The Sattler Pier is used as berthing area for ships handling non-containerized cargoes.
Notes

Due to old age and wear and tear, Sattler Pier have experienced declination in its operational capacity for safer utilization. The proposed consultancy for its rehabilitation aims to identify the immediate solution to attend the current situation of the pier.

The consultancy shall include the design for the repair of the pier's steel decking, bollards and rubber fenders.

REHABILITATION OF SATTLER PIER



VII. TOURISM



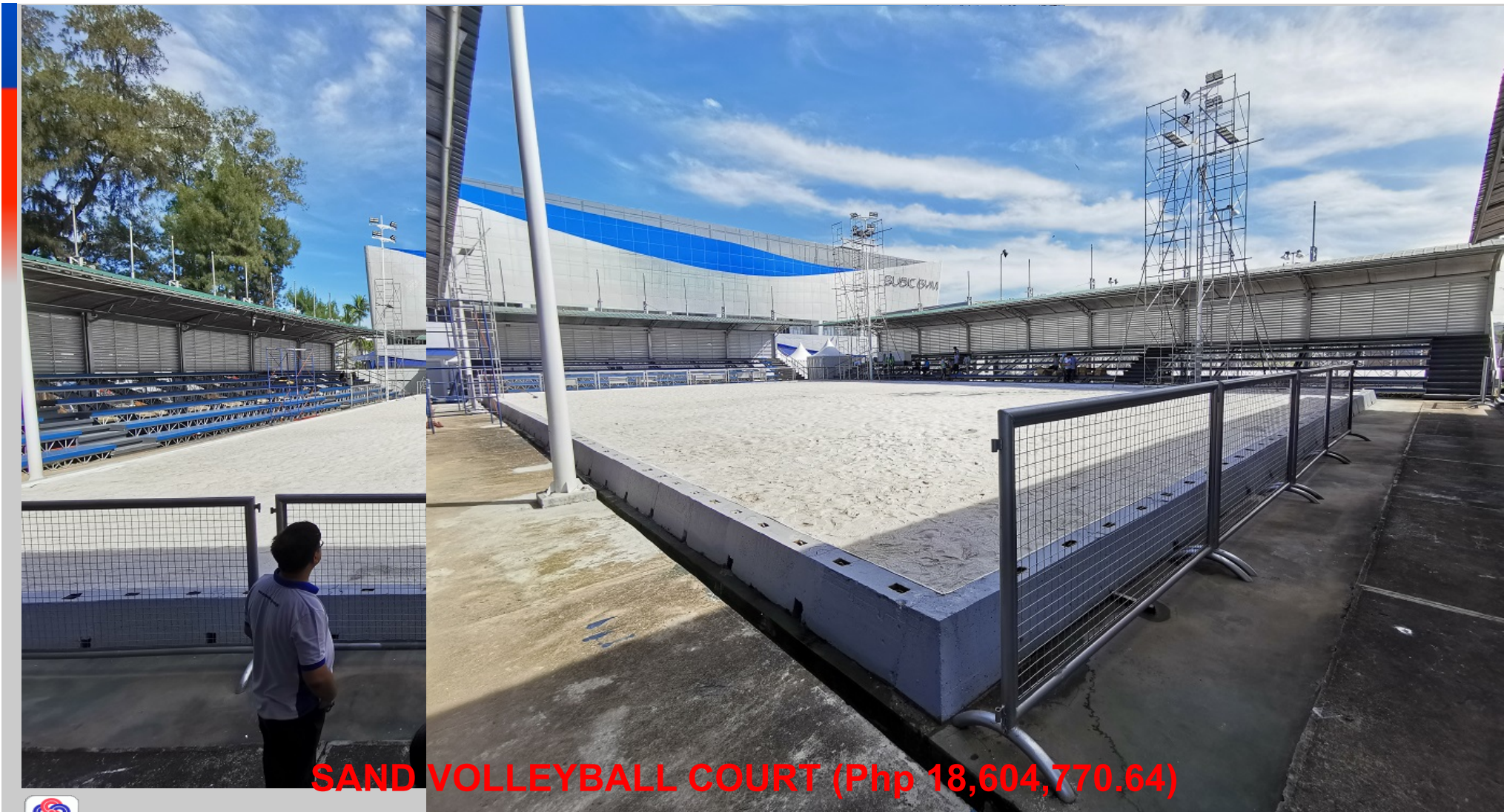
REPAIR AND REHABILITATION OF SUBIC GYM (Php 43,493,179.46)





REPAIR AND REHABILITATION OF SUBIC BAY EXHIBITION AND CONVENTION CENTER (Php 45,968,051.68)





SAND VOLLEYBALL COURT (Php 18,604,770.64)





SUBIC COVERED COURT (Php 5,558,109.17)





REHABILITATION OF FIELD OVAL (Php 123,353,350.94)



TELECOMMUNICATIONS DEPARTMENT

Installation of larger Electronic Digital Display at Tipo Sentry

ABC: PHP 4,500,000.00

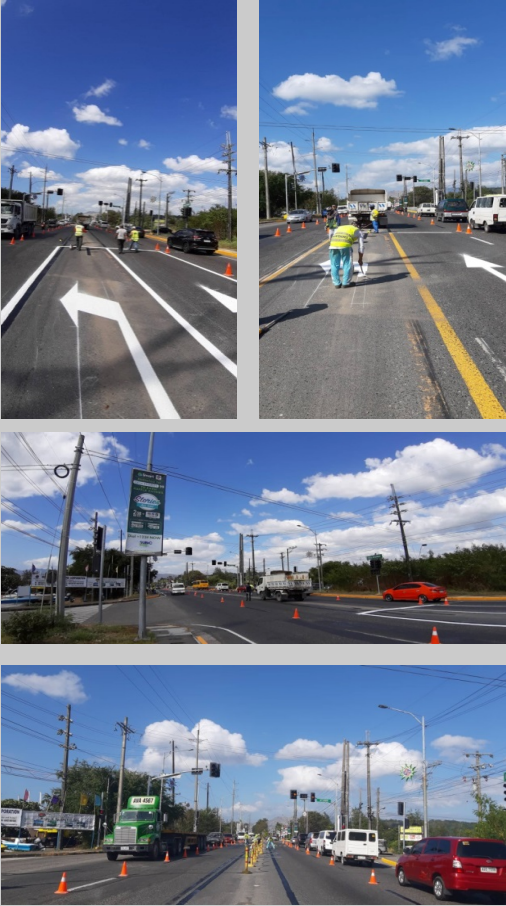


Installation of Traffic Control System

**Burgos-Canal Junction
Php 4,800,000**



**Labitan – Canal Intersection
Php 1,600,000**

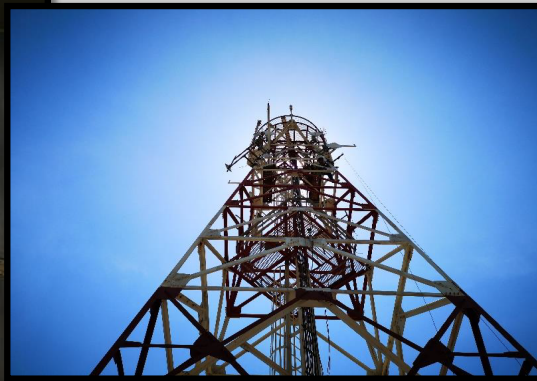


**Rizal HWY. – 14th St. Junction
Php 4,800,000**



Installation of Closed-Circuit Television (CCTV) Surveillance System at Seaport Administration Building

ABC: PHP 6,000,000.00



Installation of Closed-Circuit Television (CCTV) Surveillance System at Building 709

ABC: PHP 480,000.00

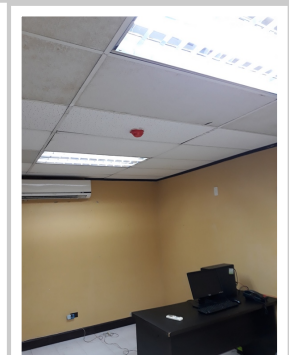


Installation of Fire Detection and Alarm System

Subic Bay International Airport
Php 4,700,000



Building N
Php 1,800,000



Upgrade of SBMA Private Automatic Branch Exchange (PABX) Telephone System

ABC: PHP 19,000,000.00



PROPOSED IMPROVEMENT OF INFRASTRUCTURE



REHABILITATION OF PORT FACILITIES AND NAVIGATIONAL EQUIPMENT



NAVIGATIONAL BUOY PHASE-3- 2020 Proposal

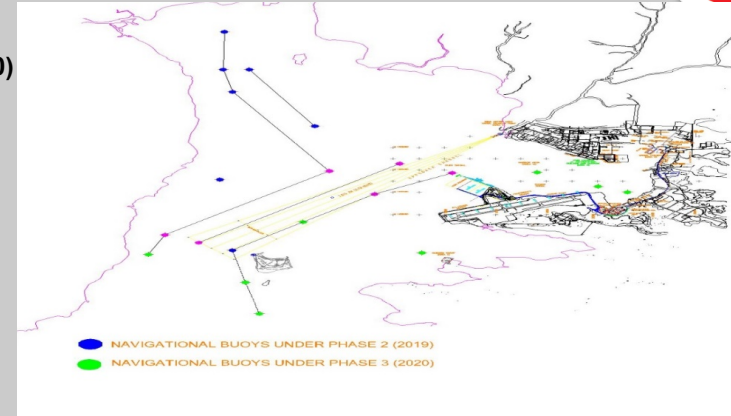
ESTIMATED COST: Ninety Seven Million Five Hundred Twenty Thousand Pesos (PHP 52,000,000.00)

OBJECTIVES:

- To Rehabilitate and improve the Subic Port's buoyage system
- To provide safe and reliable services for cruise ships and freight transportation.
- To ensure vessel safety

DESCRIPTION:

- Replacement and installation of 8 new navigational buoys complete with tracking system, lighting accessories and concrete sinker



BUOYAGE SYSTEM



SAMPLE NAVIGATIONAL BUOYS FROM PHASE 1

DESCRIPTION OF WORK	DURATION (CALENDAR DAYS)
MANUFACTURING	80
DELIVERY	40
OFFLOADING, ASSEMBLY, REPLACEMENT & INSTALLATION	30
PROJECT TOTAL DURATION	150





C. VESSEL TRAFFIC MONITORING SYSTEM

ESTIMATED COST: Two Hundred Seventy Million Pesos (PHP 270,000,000.00)

OBJECTIVE:

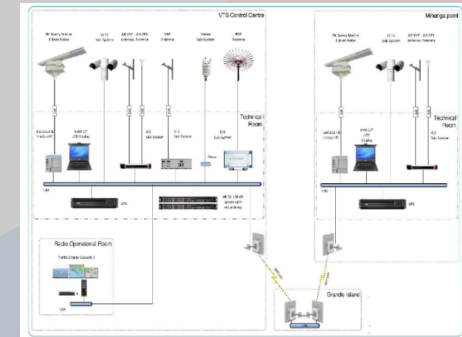
- The aim of the VTMS upgrade is to install a modern system that will provide the client with a reliable operations.
- To comply with the existing ISPS Code and the International Association of Lighthouse Authorities (IALA) VTS recommendations.

DESCRIPTION:

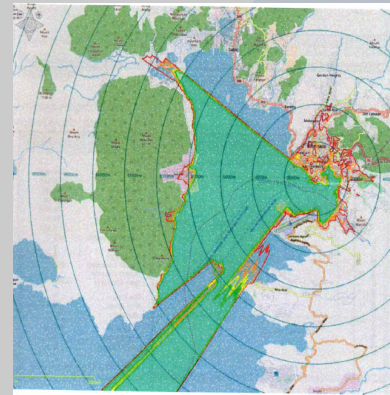
- Upgrading of Vessel Traffic Monitoring System Project shall focus on the upgrade of the hardware and software of existing equipment namely the radar, VHF radio, Automatic Identification System (AIS) and weather station.



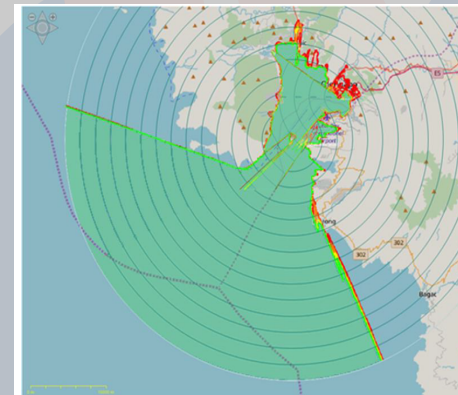
PROJECT LOCATION



NEW VTMS DIAGRAM



EXISTING RADAR COVERAGE

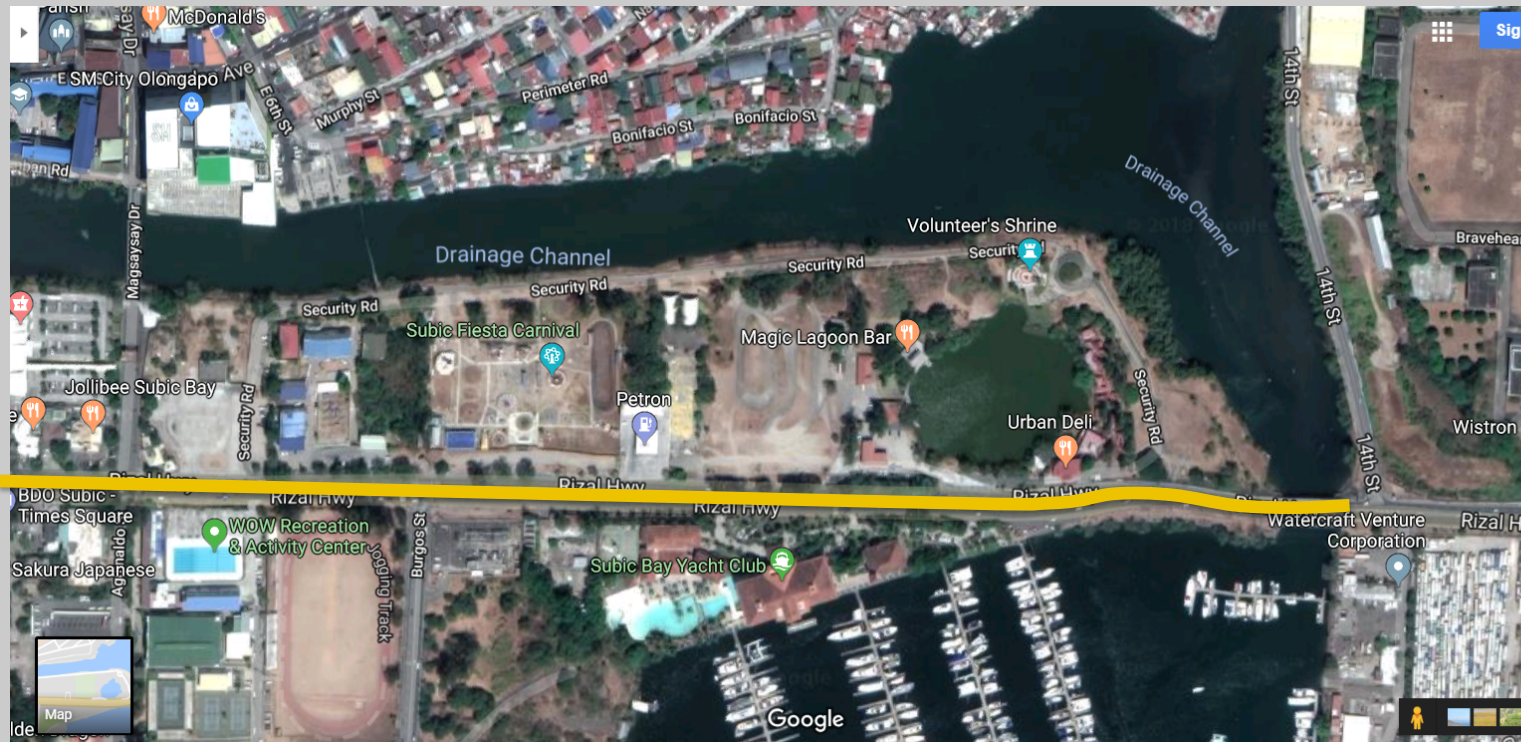


PROPOSED NEW RADAR COVERAGE

DESCRIPTION OF WORK	DURATION (CALENDAR DAYS)
MANUFACTURING AND DELIVERY OF THE VTS EQUIPMENT	210
CONSTRUCTION AND INSTALLATION OF THE RADAR TOWER AND VTS EQUIPMENT	110
COMMISSIONING, TRAINING AND SEMINARS	30
PROJECT TOTAL DURATION	350

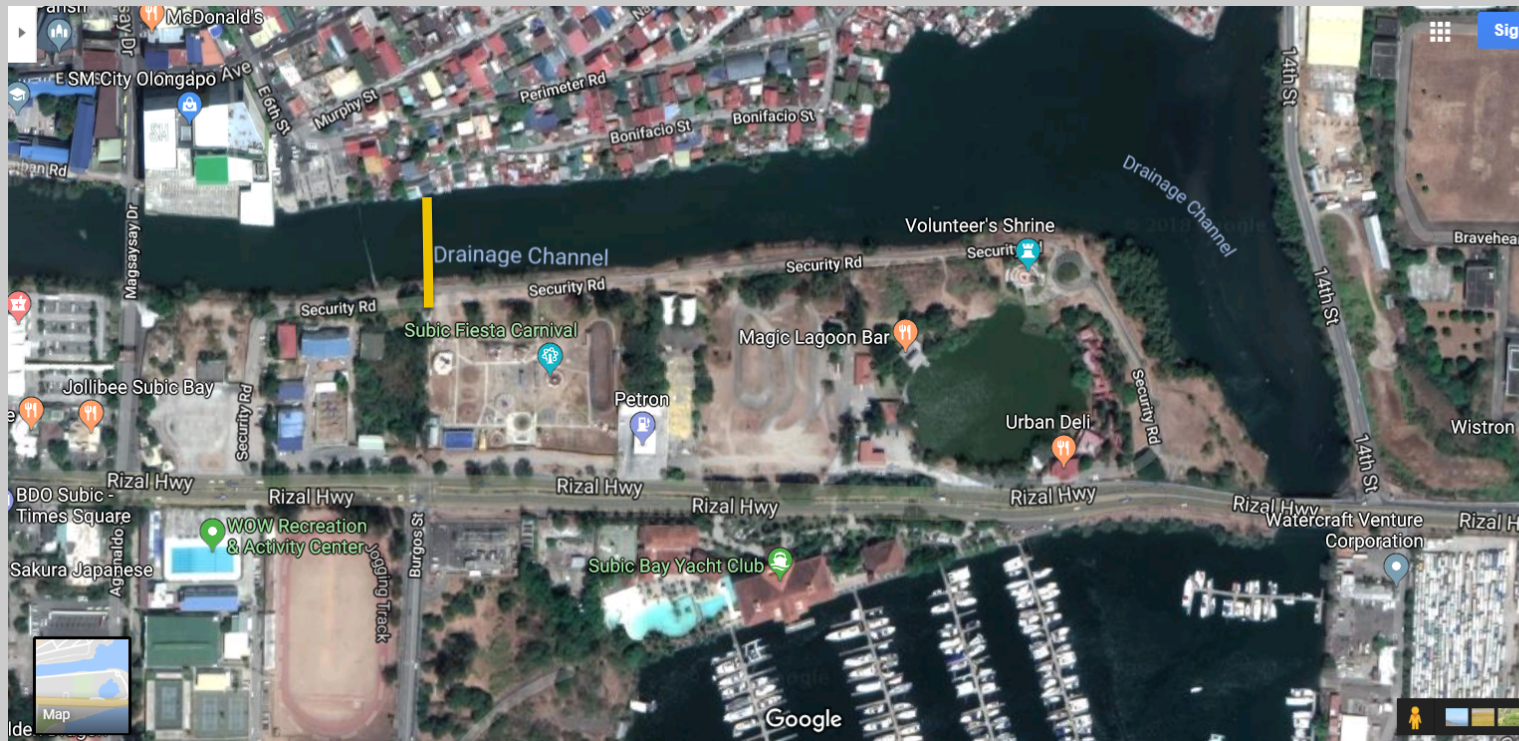


PROPOSED ROAD REHABILITATION



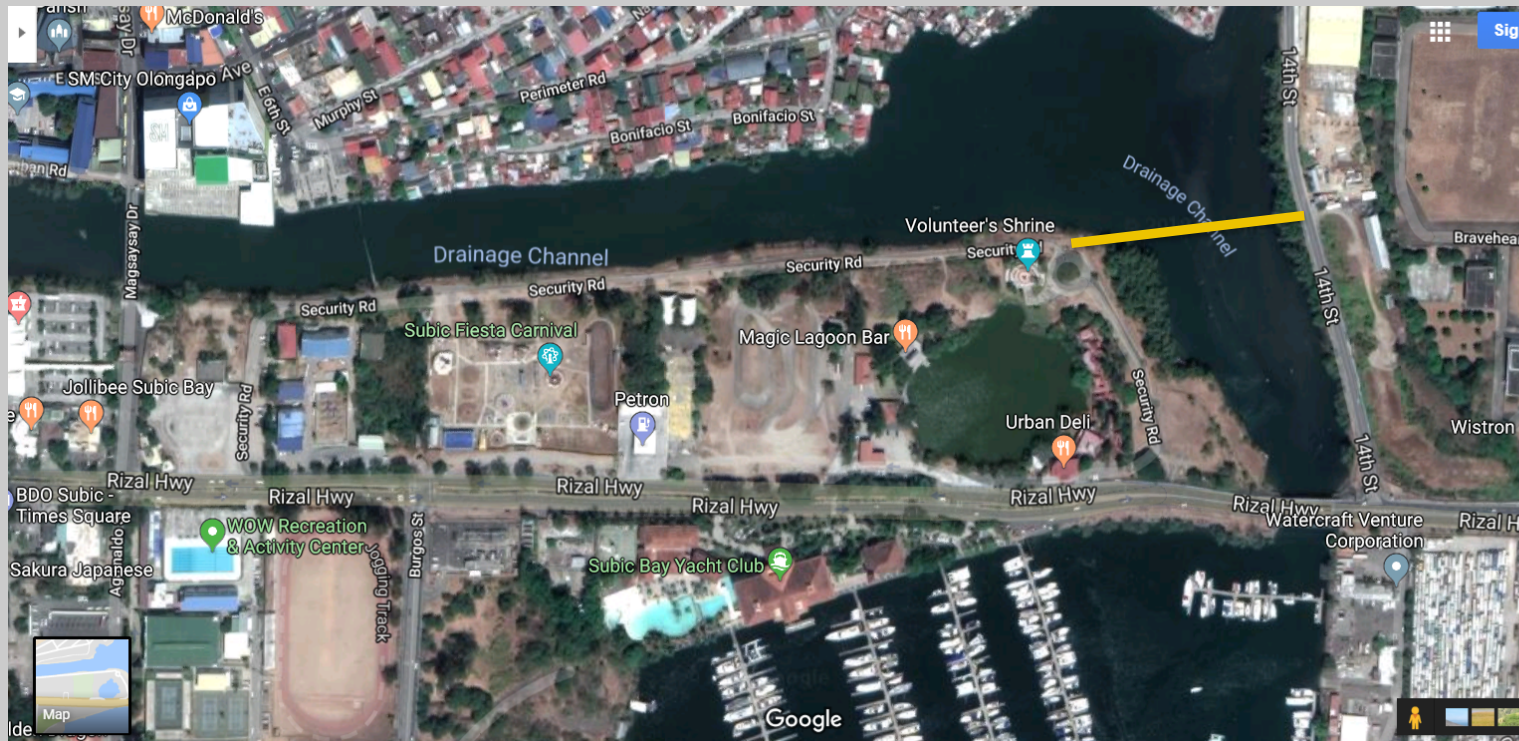
- **Widening of Rizal Highway into 4-Lane bothways to Manila Avenue & Expansion of Kalalake Bridge**

Proposed bridge



- **Construction of New Bridge connecting Volunteer's Shrine Service Road / Burgos St. Extension & 6th St. Olongapo City**

Proposed bridge



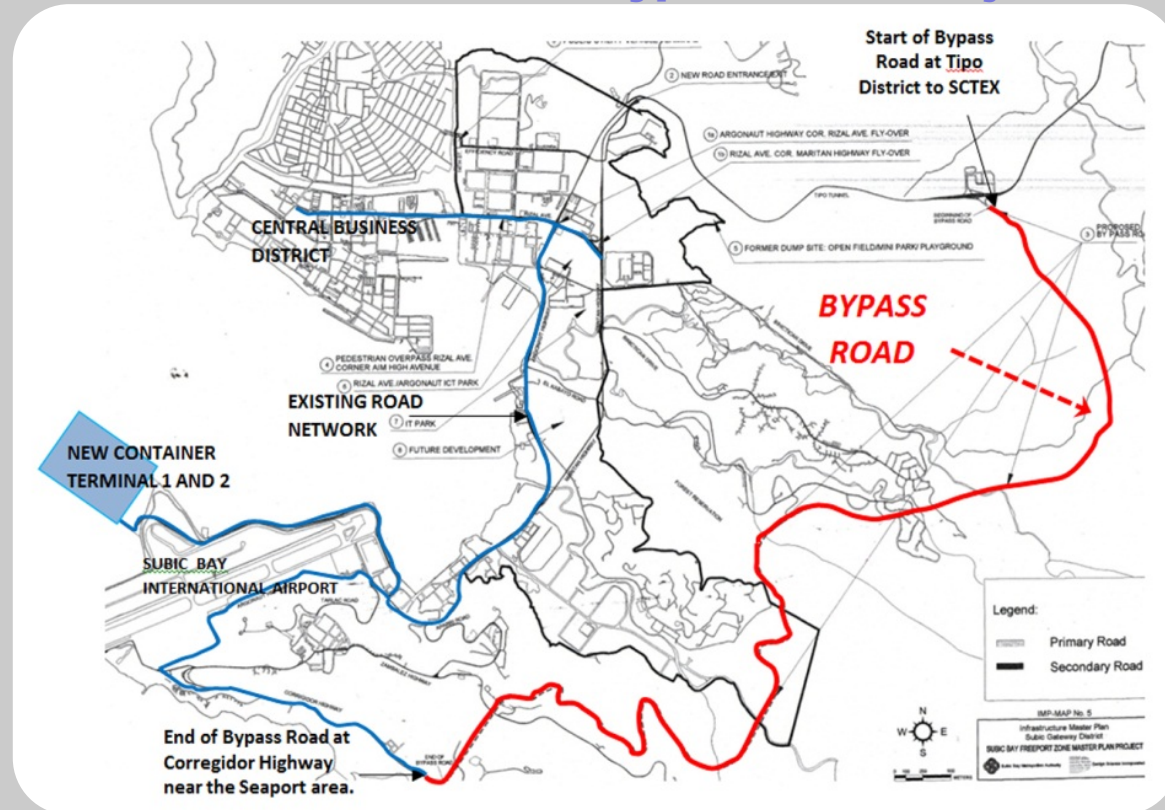
- **Construction of New Bridge connecting 14th St. Service Road & Volunteer's Shrine Service Road**

PROPOSED BRIDGE



- Construction of New Bridge connecting Rizal Highway & National Highway(Kalaklan), Olongapo City

PhP2.1 Billion 13-km Bypass Road Project



The new road is from TipD District to Subic Bay International Airport and Seaport Terminal to accommodate the increase of container truck traffic.

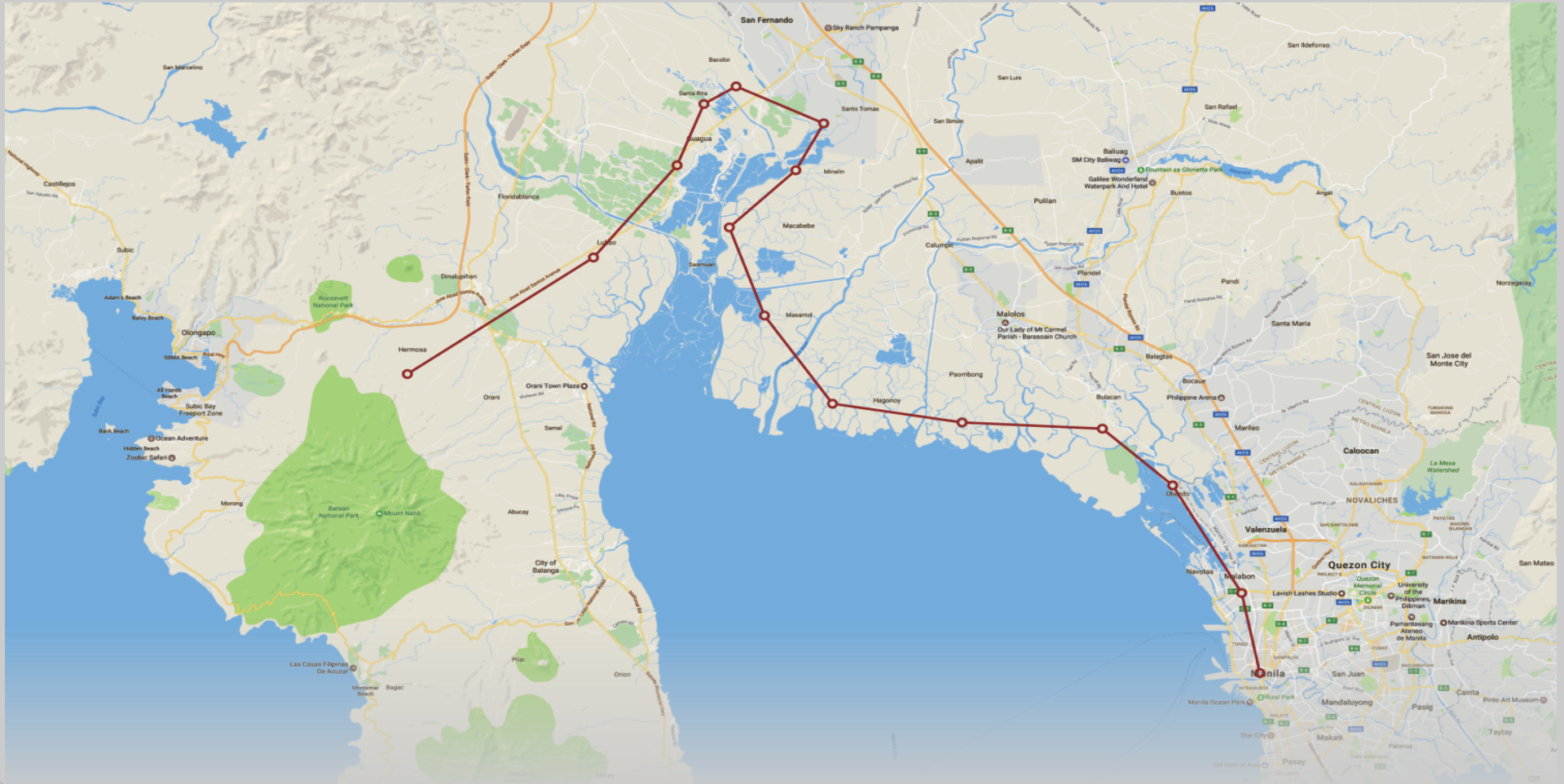
PROPOSED CORPORATE CENTER



EXTERIOR PERSPECTIVE
ALONG AGUINALDO STREET & CANAL ROAD
NOT TO SCALE



PROPOSED RAILWAY





THANK YOU.