Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
CENTRAL OFFICE
Manila

Contract ID: 19O00061
Contract Name: Proposed Manila Bay Rehabilitation Program (Beach Nourishment, Coastal Restoration and Enhancement of Manila Baywalk Area)

SUPPLEMENTAL BULLETIN NO. 1
December 11, 2019

This Supplemental Bulletin No. 1 is issued to amend provisions in the Bidding Documents (BDs) for the above stated Contract, as follows:

Part of the BDs	Amendment
Section I. Invitation to Bid Section V. Bid Data Sheet ITB Clause 1.1 and 21.4.d	Change the Contract ID No. from 19O00061 to **19Z00039**.
Section I. Invitation to Bid Section III. Eligibility Data Sheet Eligibility Requirement 1c(1) Section V. Bid Data Sheet ITB Clause 2 and 14.3a	Change of Approved Budget for the Contract (ABC) from Php 397,900,786.38 to **Php 397,897,376.62.**
Section III. Eligibility Data Sheet Eligibility Requirement 1c(2)	The following "Qualifiers" shall be applied to this contract: • With experience of at least 80,000 cu.m. of excavation works Note: The above Qualifiers must be supported with **Bill of Quantities** and **Certificate of Acceptance**.
Section V. Bid Data Sheet ITB Clause 14.2a(4)(b)	The required personnel should be DPWH Accredited **Materials Engineer II** instead of Materials Engineer I.
Section V. Bid Data Sheet ITB Clause 14.2a(4)(c)	Revision of minimum major equipment requirements. (Refer to attached ANNEX "A")
Section IX. Drawings	Revision of plans and drawings. (Refer to attached ANNEX "B")
Section X. Bill of Quantities	Changes in the Bill of Quantities. (Refer to attached ANNEX "C")

This shall form an integral part of the said BDs.

For the guidance and information of all concerned.

ROBERTO R. BERNARDO
Undersecretary for Regional Operations
Visayas, NCR and Region IV-B
Chairman, BAC for Civil Works

Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
CENTRAL OFFICE
Manila

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This shall form an integral part of the said BDs.

For the guidance and information of all concerned.

ROBERTO R. BERNARDO
Undersecretary for Regional Operations
Visayas, NCR and Region IV-B
Chairman, BAC for Civil Works

ANNEX "A"
19Z00039

<table>
<tr><td>14.1</td><td>In addition to the documents required in ITB 14.2 a., the following shall also be submitted:

a.) ISO 9001 Certification</td></tr>
<tr><td>14.2a(2)(a)i</td><td>No further instructions.</td></tr>
<tr><td>14.2a(4)(b)</td><td>The minimum work experience requirements for the key personnel are the following:

<table>
<tr><th>Position</th><th>No. of Personnel</th><th>Total Experience (Years)</th><th>Same Position in Similar Works (years)</th></tr>
<tr><td>Project Manager</td><td>1</td><td>8</td><td>5</td></tr>
<tr><td>Project Engineer</td><td>1</td><td>8</td><td>5</td></tr>
<tr><td>Mechanical Engineer</td><td>1</td><td>5</td><td>3</td></tr>
<tr><td>Electrical Engineer</td><td>1</td><td>5</td><td>3</td></tr>
<tr><td>Materials Engineer II</td><td>1</td><td colspan="2">DPWH Accredited Materials Engineer II</td></tr>
<tr><td>Safety Officer</td><td>1</td><td colspan="2">40 hrs seminar on Health and Safety accredited by DOLE</td></tr>
<tr><td>Foreman</td><td>1</td><td>3</td><td>2</td></tr>
</table></td></tr>
<tr><td>14.2 a(4)(c)</td><td>The minimum major equipment requirements are the following:

<table>
<tr><th>No.</th><th>Equipment Description</th><th>Capacity</th><th>Number of Equipment</th></tr>
<tr><td>1</td><td>Conveyor Barge</td><td>2000 cu.m.</td><td>2</td></tr>
<tr><td>2</td><td>Bulldozer</td><td>165 Hp</td><td>2</td></tr>
<tr><td>3</td><td>Payloader</td><td>1.5 cu.m.</td><td>2</td></tr>
<tr><td>4</td><td>Tugboat, 30.96x8.85x3.11</td><td>2100 Hp</td><td>2</td></tr>
<tr><td>5</td><td>Deck Barge, 45.12x10.98x3.66</td><td>1000 tons DWT</td><td>2</td></tr>
<tr><td>6</td><td>Backhoe, Crawler Type</td><td>0.80 cu.m.</td><td>2</td></tr>
</table>
A bidder is also required to submit its list of material Testing Equipment in accordance with D.O. 11, series of 2017.</td></tr>
<tr><td>14.3a</td><td>The ABC is PHP 397,897,376.62. Any bid with a financial component exceeding this amount shall not be accepted.</td></tr>
</table>

REPUBLIC OF THE PHILIPPINES

DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS

NATIONAL CAPITAL REGION

2ND STREET, PORT AREA MANILA

PROPOSED MANILA BAY REHABILITATION PROGRAM

(BEACH NOURISHMENT, COASTAL RESTORATION AND ENHANCEMENT OF MANILA BAYWALK AREA)

ANNEX "B"

CONCEPTUAL PLAN

REVISION NO. 1

SUBMITTED:

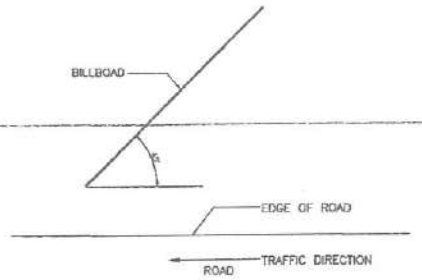
LYDIA G. CHUA
CHIEF, PLANNING AND DESIGN DIVISION
DATE

RECOMMENDED:

JUBY B. CORDON, CEO
ASSISTANT REGIONAL DIRECTOR
DATE

APPROVED:

ADOR G. CANLAS, CESO IV
REGIONAL DIRECTOR
DATE



ORIENTATION
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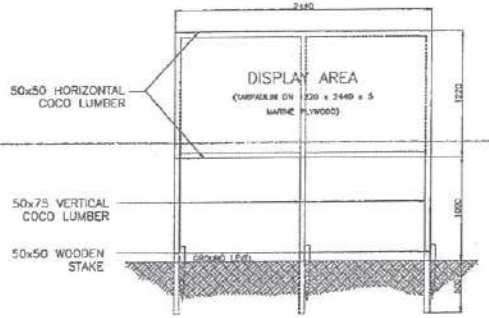

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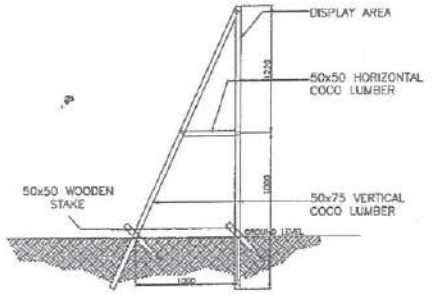

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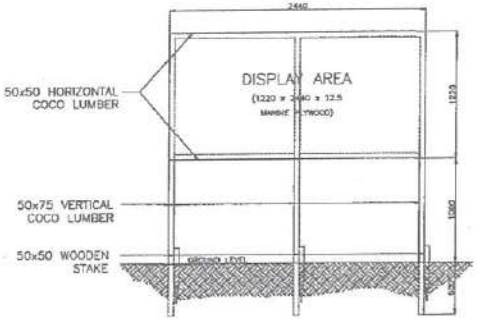
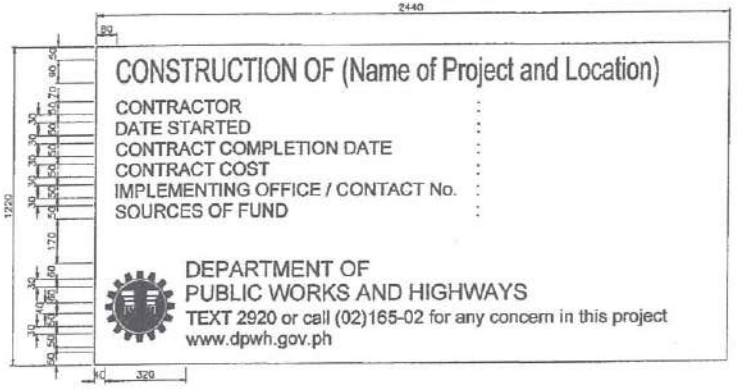
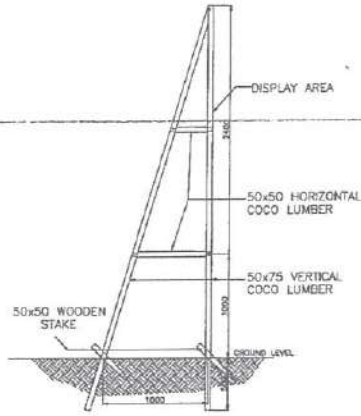


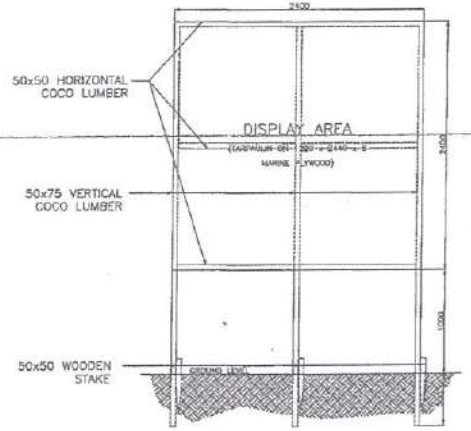
FRONT ELEVATION (OPTION 1)
SCALE 1 : 50



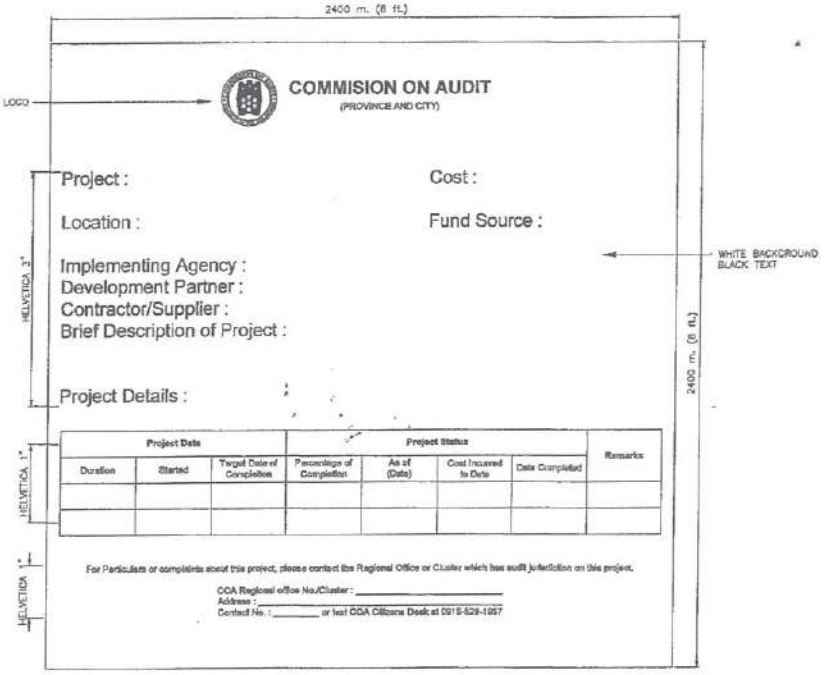
DPWH STANDARD PROJECT BILLBOARD
SCALE 1 : 20



TYPICAL FRAME ELEVATION
SCALE 1 : 50



FRONT ELEVATION
SCALE 1 : 50



COA STANDARD PROJECT BILLBOARD
SCALE 1:20

REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS NATIONAL CAPITAL REGION 2ND STREET, PORT AREA MANILA	PROJECT NAME & LOCATION: PROPOSED MANILA BAY REHABILITATION PROGRAM (BEACH NOURISHMENT, COASTAL RESTORATION AND ENHANCEMENT OF MANILA BAY/KAWILI-KAWILI)	SHEET CONTENTS: STANDARD PROJECT BILLBOARD DETAILS (DPWH AND COA)	PREPARED: DESIGNED: FELICIANO L. VIEL RODRIGUEZ JR. ENGINEER III	CHECKED: WENDELL ANAYA ABAMADOR ENGINEER III	REVIEWED: LYDIA G. CHUA CHIEF, PLANNING AND DESIGN DIVISION DATE:	RECOMMENDED: JUAY B. CORDON, CEO ASSISTANT REGIONAL DIRECTOR DATE:	APPROVED: ADOLFO C. CANLAS, CESO IV REGIONAL DIRECTOR DATE:	SET NO. S 02 02	SHEET NO. 10 10

GENERAL NOTES :

1. STANDARD SPECIFICATION :

A. ALL WORKS SHALL COMPLY WITH DPWH STANDARD SPECIFICATION FOR HIGHWAYS, BRIDGES AND AIRPORTS REVISED 2013.
B. DPWH DESIGN GUIDELINES, CRITERIA AND STANDARDS, 2015
C. AASHTO GUIDE FOR DESIGN OF PAVEMENT STRUCTURES, 1993
D. AASHTO A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS, 6TH EDITIUON, 2011

2. DIMENSIONS

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS WHICH INCLUDE STATIONING, DISTANCES BETWEEN CONTROL POINTS AND ELEVATIONS ARE MEASURED IN METERS.

3. ALIGNMENT AND GRADE

NO ALTERATION OR CHANGE IN ALIGNMENT AND GRADE SHALL BE MADE UNLESS EXISTING FIELD CONDITION SO WARRANT AND ONLY UPON WRITTEN ORDER BY THE ENGINEERS AND APPROVED BY THE PROPER AUTHORITY CONCERNED.

4. REMOVAL OF EXISTING STRUCTURES AND OBSTRUCTIONS

A. ALL WORKS SHALL COMPLY WITH CLAUSE 39 "REQUIREMENTS AND CONDITIONS OF CONTRACTS", VOLUME-1 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS AND HIGHWAYS, 2004.

B. PORTION OF EXISTING UTILITIES, SUCH AS WATER MAINS, IRRIGATION CHANNELS, TELEPHONE POST AND TRUNK LINES ETC., THAT MAY CAUSE OBSTRUCTIONS TO THE CONSTRUCTION OF THIS PROJECT SHALL BE RELOCATED BY THE ENTITY OR OWNER CONCERNED, EXTREME PRECAUTIONS SHALL BE EXERCISED. DAMAGED THEREOF SHALL BE THE ACCOUNT OF THE CONTRACTOR.

5. SUB - GRADE, SUB - BASE AND BASE

A. UNSUITABLE SUB - GRADE MATERIAL SHALL BE EXCAVATED BELOW THE GROUND SURFACE TO THE REQUIRED WIDTH AND DEPTH, THE AREA TO BE EXCAVATED SHALL BE BACKFIELD WITH APPROVED MATERIAL.

B. NO EMBANKMENT MATERIALS SHALL BE PLACE UNTIL THE FOUNDATION IS STABLE.

6. CONCRETE AND CONCRETE PAVEMENT

A. ALL CONCRETE TO BE USED IN THIS PROJECT SHALL BE CLASS "A" UNLESS OTHERWISE INDICATED.

B. NO ADMIXTURES OR ADDITIVES WILL BE ALLOWED FOR ALL CONCRETE WORKS WITHOUT PRIOR APPROVAL FROM THE SECRETARY OF DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS OR HIS DULY REPRESENTATIVE.

C. TRAFFIC SHALL BE REQUIRED TO REDUCE SPEED WHEN PASSING THE VICINITY OF THE NEWLY LAID CONCRETE PAVEMENT UNTIL SUCH TIME THAT IT HAS OBTAINED THE FOURTEEN (14) DAYS REQUIRED STRENGTH.

7. DRAINAGE

A. EXACT LOCATION, SLOPE, OUT FALLS AND INVERT ELEVATIONS OF DRAINAGE STRUCTURES SHALL BE CHECKED IN THE FIELD BY THE ENGINEER, MINOR ADJUSTMENT MAY BE MADE BY THE APPROVAL OF THE ENGINEER TO SUIT ACTUAL FIELD CONDITION.

B. EXISTING DRAINAGE STRUCTURE, OR PART THEREOF REMOVED BY THE CONTRACTOR THAT ARE STILL SERVICEABLE SHALL BE UNREAD OVER TO THE GOVERNMENT AND SHALL BE DEPOSITED AT A PLACE WITHIN THE PROJECT SITE DESIGNATED BY THE ENGINEER WITHOUT ANY EXTRA COMPENSATION. EXTREME PRECAUTION SHALL BE EXERCISED BY THE CONTRACTOR NOT TO DAMAGE THESE MATERIALS DURING THE REMOVAL AND HANDLING.

8. CONSTRUCTION STAKES

A. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE TRUE AND PROPER SETTING - OUT OF THE WORK OR IMPROVEMENT AND FOR CORRECTNESS OF POSITION, LEVEL, SLOPE AND CONTINUOUS PROFILE GRADE IN ROAD WORK. HE WILL SET CONSTRUCTION STAKES, ESTABLISHING LINES, SLOPE AND CONTINUOUS PROFILE WORK AND OTHER LINE AND BENCH MARK FOR BRIDGE WORK, GRADE IN ROAD PROTECTIVE AND NECESSARY STRUCTURES AND APPURTENANCES CULVERT WORK, AS ARE DEEMED NECESSARY FROM THE REFERENCE DATE TO BE FURNISHED BY THE ENGINEER IN WRITING.

B. THE CHECKING OF CONSTRUCTION STAKES BY THE ENGINEER SHALL NOT IN ANY WAY RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR THE CORRECTNESS THEREOF AND THE CONTRACTOR SHALL CAREFULLY PROTECT AND PRESERVE ALL BENCH MARK, PEGS AND OTHER THINGS USED IN SETTING OUT THE WORK.

C. IN THE CASE OF "CHARGES" OR CHANGE IN CONDITION" WHICH INVOLVES ANY CHANGES IN STAKE OUT, THE CONTRACTOR SHALL COOPERATE WITH THE ENGINEER AND FACILITATE THE PROMPT RE - ESTABLISHMENT OF THE FIELD CONTRACT FOR THE ALTERNATIVE OR ADJUSTED WORK.

9. STANDARD DRAWING

THE NECESSARY DRAWING CONTAINED IN THE DPWH STANDARD DRAWING FOR ROAD SHALL BE UTILIZED FOR THE PROJECT UNLESS OTHERWISE A MORE DETAILED.

10. QUANTITY

QUANTITY OF VARIOUS WORK ITEM INVOLVED ARE SUBJECT TO DECREASE OR INCREASE DEPENDING ON THE ACTUAL FIELD CONDITION.

11. ACCESS RAMP (B.P. 344 ACCESSIBILITY LAW)

PURSUANT TO BATASANG PAMBANSA 344, THE CONTRACTOR SHALL CONSTRUCT ACCESS RAMPS ALLOTTED FOR PERSON WITH DISABILITY (PWD) ON AREAS TO BE IDENTIFIED BY THE PROJECT ENGINEER DURING THE PROJECT IMPLEMENTATION.

12. ASPHALT PAVEMENT:

1. ASPHALT MATERIALS (ITEM 302) BITUMINOUS TREATMENT IN THE MEDIUM CURING (MC - 1) CUT BACK FOR NEWLY PLACE BASE AND BITUMINOUS TACK (ITEM 303) WHERE THE BASE IS THE EXISTING ASPHALT PAVEMENT.
2. ASPHALT BITUMINOUS CONCRETE SURFACE COURSE (ITEM 310) SHOULD BE IN ACCORDANCE WITH THE STANDARD SPECIFICATION FOR HIGHWAYS AND BRIDGES REQUIREMENTS.

13. DREDGING / CHANNEL EXCAVATION

A. ALL DREDGED MATERIALS ARE TO BE DUMPED INTO A DESIGNATED SPOILS AREA AS SPECIFIED BY THE PROJECT ENGINEER.
B. SOUNDINGS SHALL BE CONDUCTED EVERY 20 METER OF THE DREDGED CHANNEL FOR THE CALCULATION OF VOLUME AND SPOT ELEVATIONS SHALL ALSO BE CONDUCTED BEFORE AND AFTER DISPOSAL OF ADDITIONAL DREDGED MATERIALS FOR THE PURPOSE OF THE COUNTER-CHECKING THE VOLUME. DATA SHOULD BE PLOTTED AND RECORDED INDICATING THE DATE OF START AND COMPLETION OF THE 20 METER INTERVAL.
C. DREDGING WORKS SHOULD COMMENCE FROM UPSTREAM TOWARDS DOWNSTREAM.
D. DREDGING SECTIONS INDICATED IN THE PLANS PROVIDES ALLOWANCE FOR THE PROTECTION OF PROPERTIES ALONG THE RETAINING PONG/CREEK/RIVER BANKS IN THE ABSENCE OF PROPOSED GRAVITY WALL, FOOTING OF HOUSE ETC. HENCE, IN SOME CASES THE OFFSETTING/EASEMENT OF A MINIMUM OF THREE (3) METERS FROM THE EXISTING BANKS/WALLLS.
E. IF IN THE COARSE OF DREDGING IT WILL BE FOUND OUT THAT PRIVATE AND PUBLIC STRUCTURES/FACILITIES WILL BE ENDANGERED AS TO THEIR FOUNDATION CONDITION, THE PROJECT ENGINEER MUST IMMEDIATELY INFORMED IN WRITING SO THAT NECESSARY REVISION IN THE PLAN WILL BE AFFECTED.
F. IF ACTUAL FIELD CONDITION NECESSITATES THE REVISION OF PLANS, THE PROJECT ENGINEER MUST BE IMMEDIATELY INFORMED OFFICIALLY AND THAT NO ADDITIONAL WORKS WILL BE UNDERTAKEN WITHOUT PRIOR APPROVAL BY THE AUTHORITIES CONCERNED.

SPECIFICATIONS :

1. SLUDGE TUBE (GEOTEXTILE TUBE)

PROPERTIES	UNIT	VALUES
Strength @ Ultimate (MD)	kN/m	130
Strength @ Ultimate (CD)	kN/m	130
Elongation (MD)	%	15
Elongation (CD)	%	15
CBR Puncture Strength	kN	15
Seam Strength	%	85
UV Resistance (@500 hrs)	%	90
Color		Black
Drop Cone Perforation Diameter	mm	10
Abrasion Resistance	% Retained	78
Pore Size O_{90}	mm	0.40
Water Permeability θ_{50}	mm	0.40
Roll Size		min 5.2x30m

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
NATIONAL CAPITAL REGION
2ND STHSET, PORT AREA MANILA

PROJECT NAME & LOCATION:
PROPOSED MANILA BAY REHABILITATION PROGRAM (BEACH NOURISHMENT, COASTAL RESTORATION AND ENHANCEMENT OF MANILA BAYWALK AREA)

SHEET CONTENTS:
GENERAL NOTES SPECIFICATIONS

PREPARED:
DESIGNED:
FELICIANO ENGEL ROBARIO, JR.
ENGINEER II

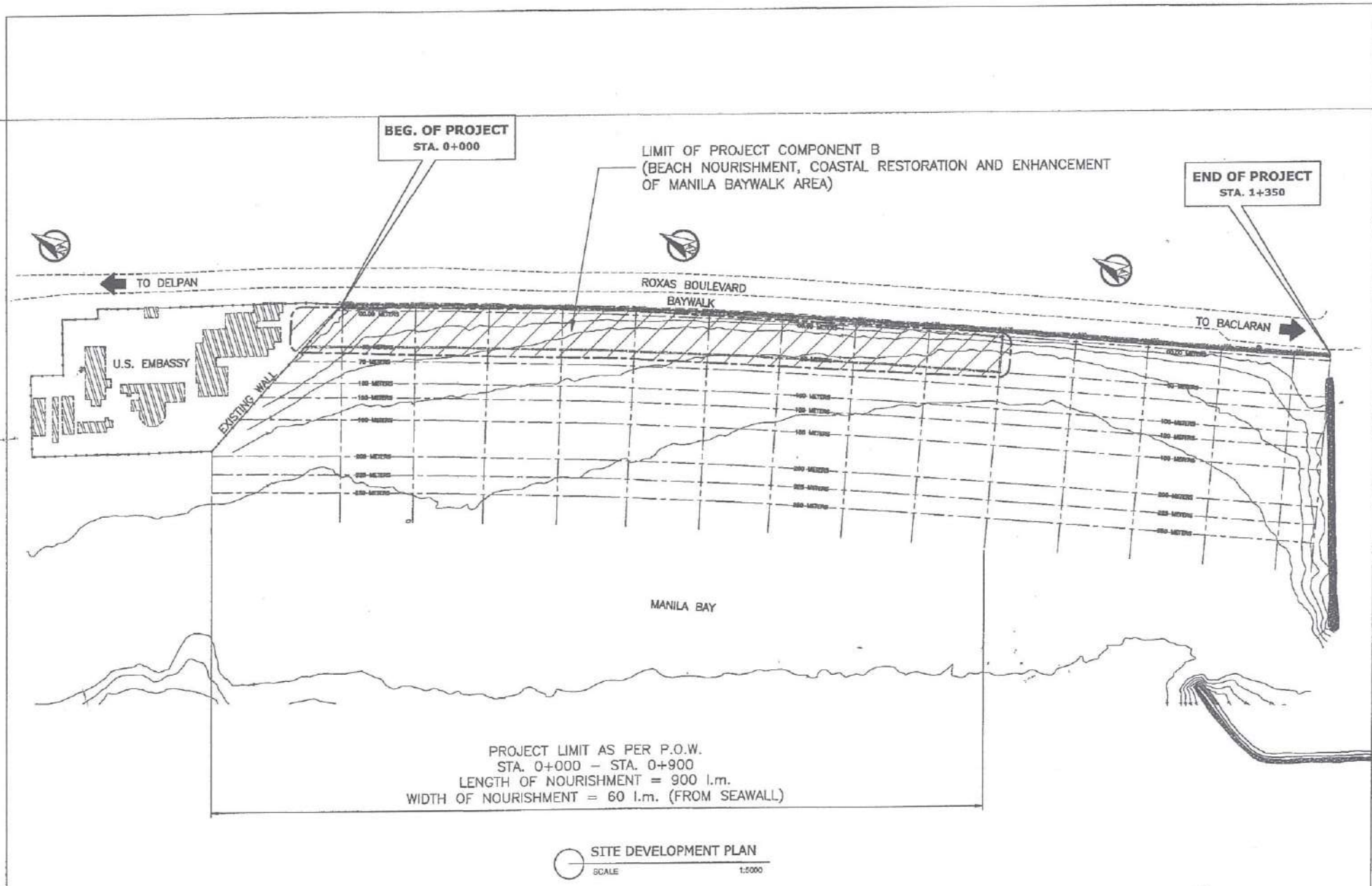
CHECKED:
WENCESLAO T. ABANADOR
ENGINEER III

REVIEWED:
LYDIA G. CHUA
CHIEF, PLANNING AND DESIGN DIVISION
DATE

RECOMMENDED:
JUBY B. CORDON, CEO
ASSISTANT REGIONAL DIRECTOR
DATE

APPROVED:
ADORACION M. AS. CESO IV
REGIONAL DIRECTOR
DATE

SET NO.: 03 | 03
SHEET NO.: 03 | 10



SITE DEVELOPMENT PLAN

SCALE 1:5000

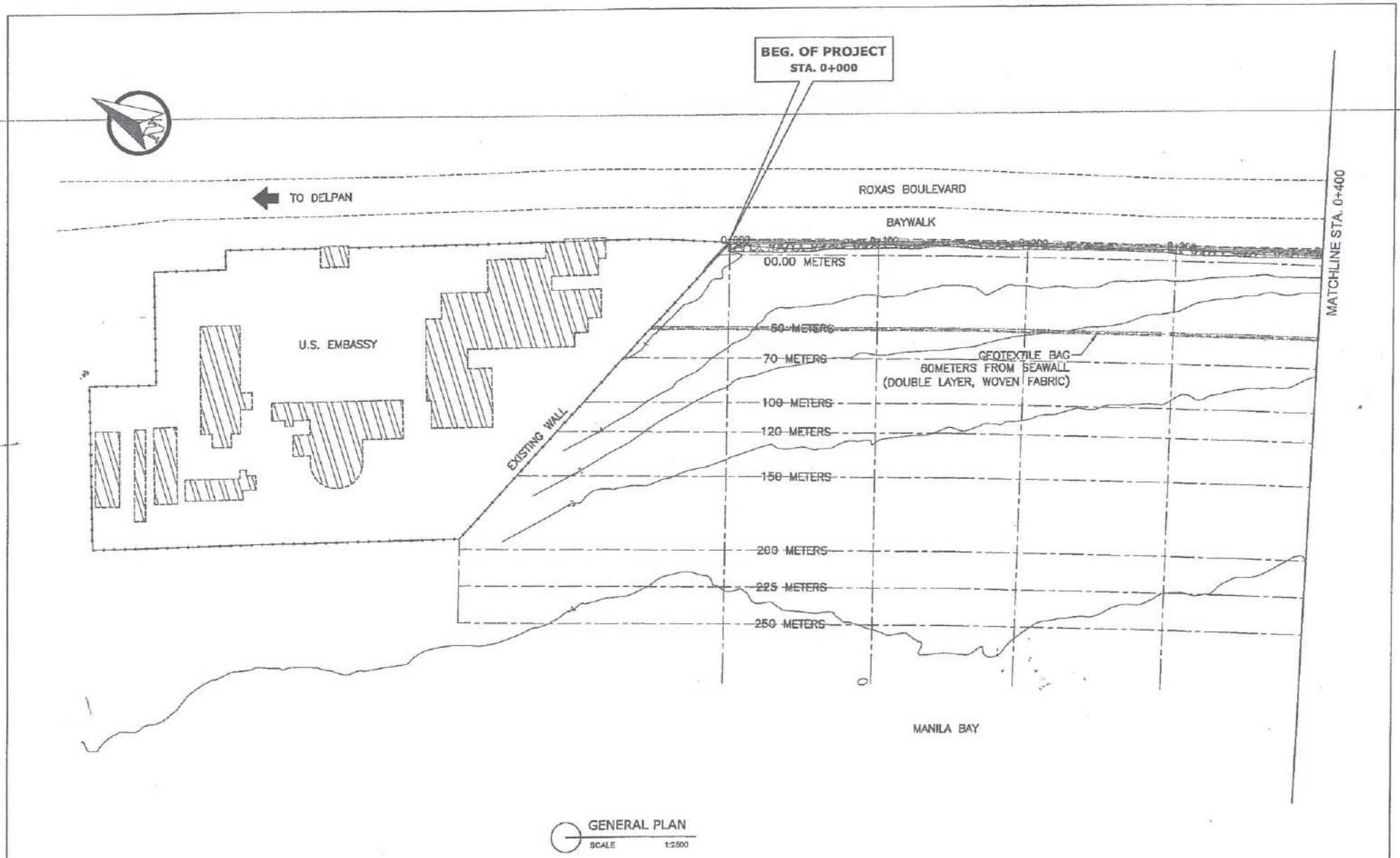
REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
NATIONAL CAPITAL REGION
2ND STREET, PORT AREA MANILA

PROJECT NAME & LOCATION:
PROPOSED MANILA BAY REHABILITATION PROGRAM (BEACH NOURISHMENT, COASTAL RESTORATION AND ENHANCEMENT OF MANILA BAYWALK AREA)

SHEET CONTENTS:
SITE DEVELOPMENT PLAN

PREPARED:
DESIGNED: FELICIANO C. DEL ROSARIO, JR.
CHECKED: MENCHENOWA R. ABANADOR
REVIEWED: LYDIA O. CHUA, CHIEF, PLANNING AND DESIGN DIVISION
RECOMMENDED: JUBYN. CORDON, CEO, ASSISTANT REGIONAL DIRECTOR
APPROVED: REDY C. CANCINO, GESO IV, REGIONAL DIRECTOR

SET NO. P 01 04
SHEET NO. 04 10



GENERAL PLAN
SCALE 1:2500

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
NATIONAL CAPITAL REGION
2ND STREET, PORT AREA MANILA

PROJECT NAME & LOCATION:
PROPOSED MANILA BAY REHABILITATION PROGRAM
(BEACH NOURISHMENT, COASTAL RESTORATION AND ENHANCEMENT OF MANILA BAY(WLE AREA)

SHEET CONTENTS:
GENERAL PLAN
(STA. 0+000 - STA. 0+400)

PREPARED:
DESIGNED: FELICIANO C. DELOS SANTOS, JR.
ENGINEER II

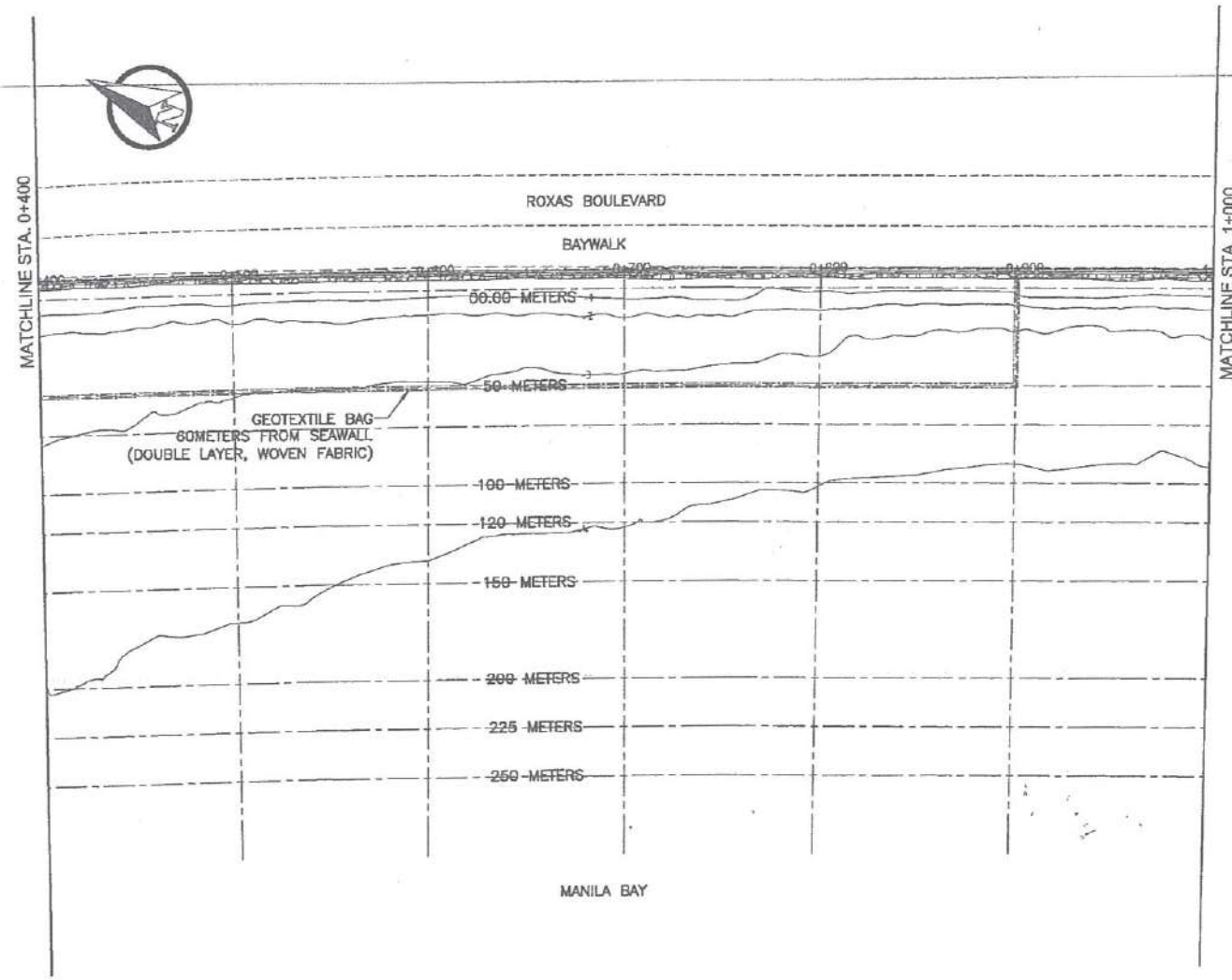
CHECKED: WENGER ANN T. ABANADOR
ENGINEER III

REVIEWED: LYDIA G. CHUA
CHIEF, PLANNING AND DESIGN DIVISION
DATE:

RECOMMENDED: JUDY B. CORDON, CESO
ASSISTANT REGIONAL DIRECTOR
DATE:

APPROVED: ADOLFO CANLAS, CESO IV
REGIONAL DIRECTOR
DATE:

SET NO. P 02 04
SHEET NO. 05 10



GENERAL PLAN

SCALE 1:2500

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
NATIONAL CAPITAL REGION
2ND STREET, PORT AREA MANILA

PROJECT NAME & LOCATION:
PROPOSED MANILA BAY REHABILITATION PROGRAM
(BEACH NOURISHMENT, COASTAL RESTORATION AND ENHANCEMENT OF MANILA BAYWALK AREA)

SHEET CONTENTS:
GENERAL PLAN
(STA. 0+400 - STA. 1+000)

PREPARED:
DESIGNED:
FELICIANO L. DEL ROSARIO, JR.
ENGINEER II

CHECKED:
WENCESLAWA P. ABABADOR
ENGINEER III

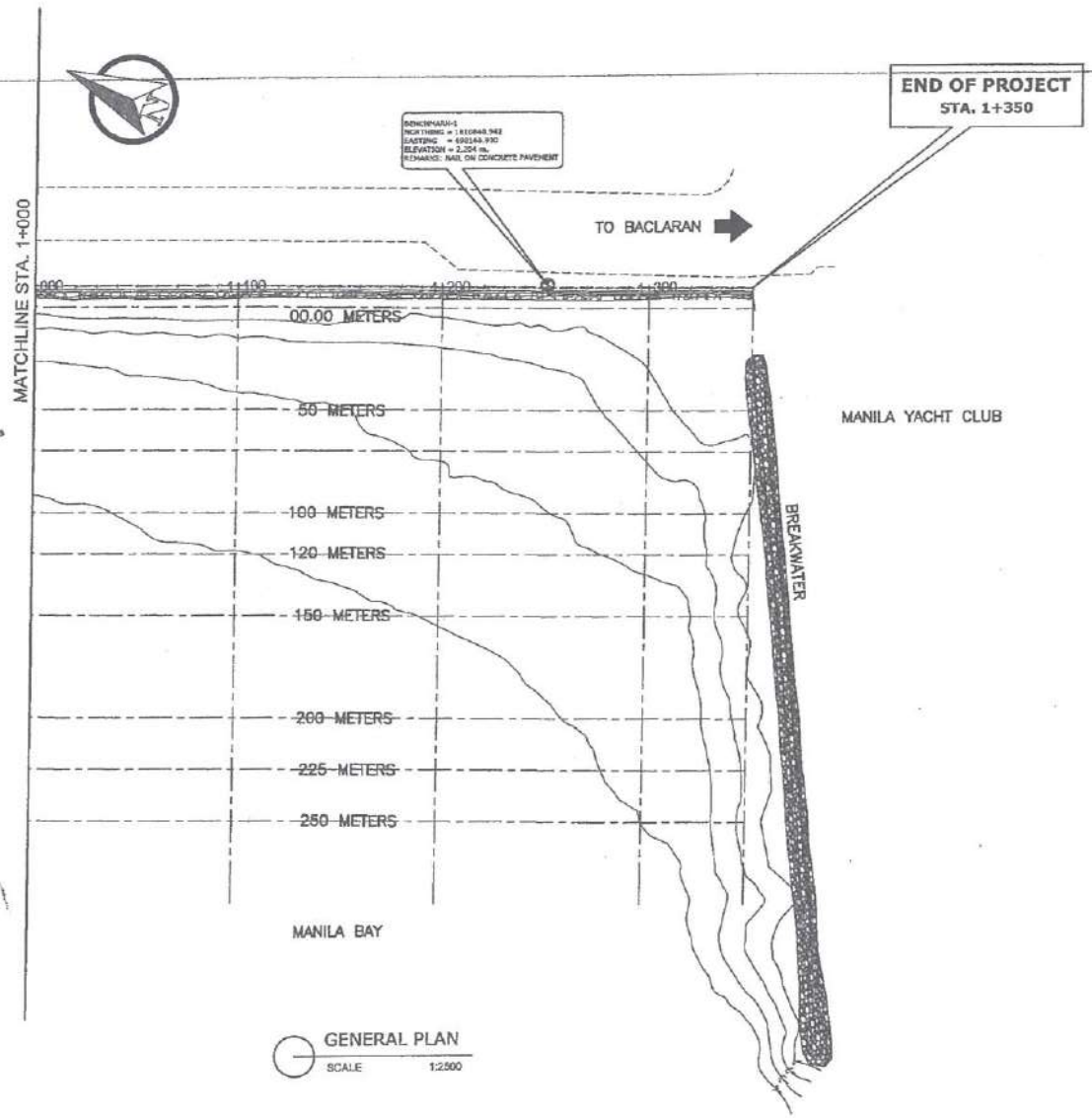
REVIEWED:
LYDIA G. CHUA
CHIEF, PLANNING AND DESIGN DIVISION
DATE:

RECOMMENDED:
JUBY B. CORDON, CEC
ASSISTANT REGIONAL DIRECTOR
DATE:

APPROVED:
ADOR S. CANLAS, CESO IV
REGIONAL DIRECTOR
DATE:

SET NO. P 03 04

SHEET NO. 06 10



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
NATIONAL CAPITAL REGION
2ND STREET, PORT AREA MANILA

PROJECT NAME & LOCATION:
PROPOSED MANILA BAY REHABILITATION PROGRAM
(BEACH NOURISHMENT, COASTAL RESTORATION AND
EMBANKMENT OF MANILA BAYWALK AREA)

SHEET CONTENTS:
GENERAL PLAN
(STA. 1+000 - STA. 1+350)

PREPARED:
DESIGNED:
FELICIANO L. DEL ROSARIO, JR.
ENGINEER II

CHECKED:
WENCESLAO A. ABANADOR
ENGINEER III

REVIEWED:
LYDIA G. ONUA
CHIEF, PLANNING AND DESIGN DIVISION
DATE:

RECOMMENDED:
JUBY B. CORDON, CEO
ASSISTANT REGIONAL DIRECTOR
DATE:

APPROVED:
ADOR C. CANLAS, CESO IV
REGIONAL DIRECTOR
DATE:

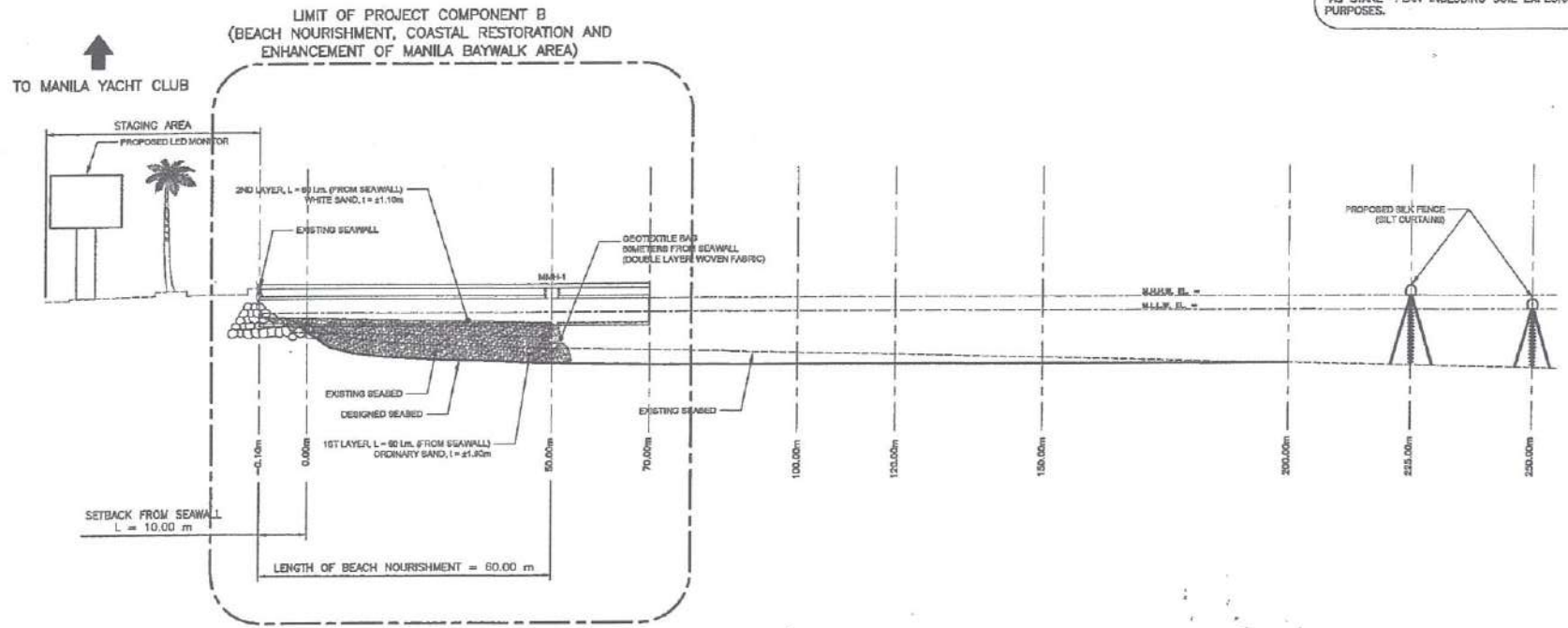
SET NO. F 04 04

SHEET NO. 07 10

NOTE :
1. DETAILED CROSS-SECTION PER STATION WILL BE ADAPTED FROM THE RESULTING "BATHYMETRIC SURVEY" AS OUTSOURCED FOR CONSULTANCY SERVICES.
THE WINNING BIDDER AND/OR CONSULTANT WILL SUBMIT TO THIS OFFICE THE END RESULT OF THE SURVEY IN E-FILES AS MENTIONED IN TERMS OF REFERENCES.

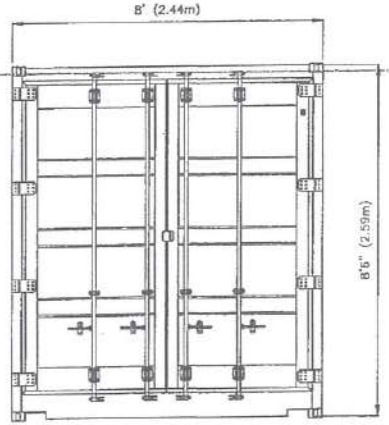
2. DESIGN CONSIDERATION FOR DREDGING OF SOLID WASTE OR SLUDGE WASTE MATERIAL WAS ASSUMED AT AN AVERAGE DEPTH OF (+/-)1.50M OR TO THE LEAST UNTIL IT REACHED THE NATURAL GRADE OF SEABED IN THE SAME MANNER THAT SAND REPLENISHMENT OF THE AREA TO BE DREDGED WAS ASSUMED AT (+/-) 3.00M IN HEIGHT.

3. THE CONTRACTOR PRIOR TO IMPLEMENTATION SHOULD CONDUCT A "SOUNDING" SURVEY TO BE WITNESSED BY REPRESENTATIVE/S OF DENR-DPWH PROJECT TEAM AND SUBMIT "AS STAKE" PLAN INCLUDING SOIL EXPLORATION FOR VALIDATION PURPOSES.

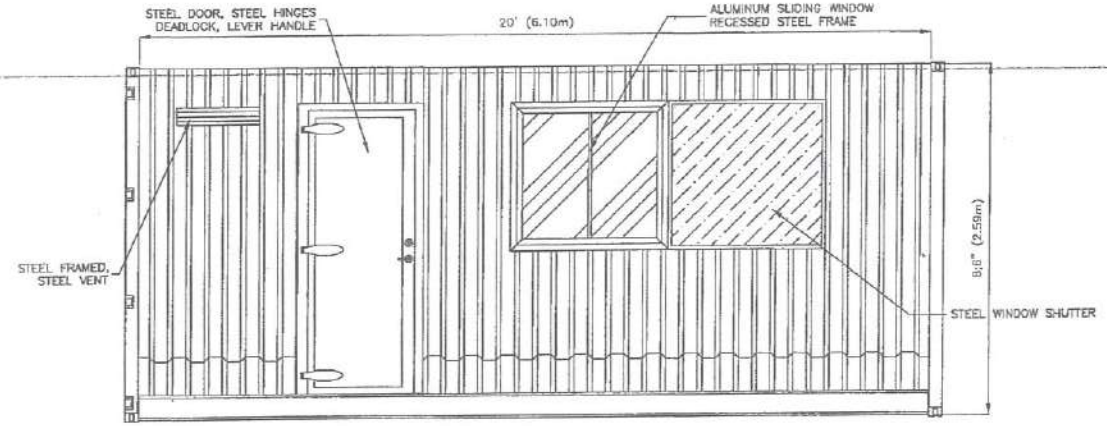


TYPICAL CROSS - SECTION
(PROJECT COMPONENT B)
SCALE 1:100

REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS NATIONAL CAPITAL REGION 2ND STREET, PORT AREA MANILA	PROJECT NAME & LOCATION: PROPOSED MANILA BAY REHABILITATION PROGRAM (BEACH NOURISHMENT, COASTAL RESTORATION AND ENHANCEMENT OF MANILA BAYWALK AREA)	SHEET CONTENTS: TYPICAL CROSS-SECTION	PREPARED: DESIGNED: FELICIANO LABEL ROSARIO, JR. ENGINEER II	CHECKED: WENCESLAO P. ARGONCOR ENGINEER III	REVIEWED: LYDIA G. CHUA CHIEF, PLANNING AND DESIGN DIVISION DATE	RECOMMENDED: JUBY B. CORDON, CEO ASSISTANT REGIONAL DIRECTOR DATE	APPROVED: ADOR G. CANLAS, CESO IV REGIONAL DIRECTOR DATE	SET NO. C 01 01	SHEET NO. 09 10



FRONT ELEVATION
SCALE 1:40



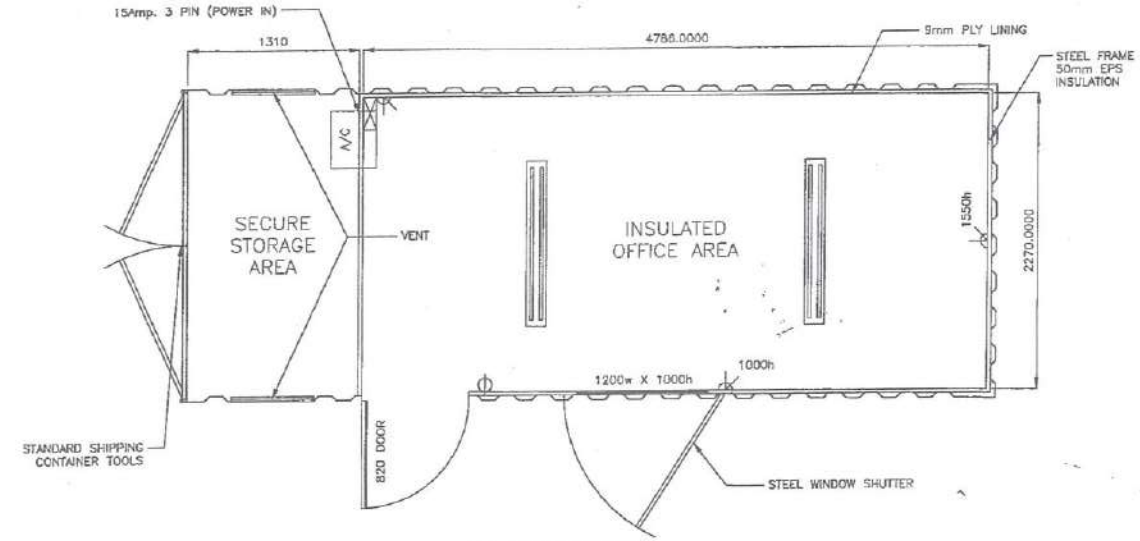
SIDE ELEVATION
SCALE 1:40

LEGEND:

	DUPLEX CO
	SIMPLEX CO (A/C)
	36w FLOURESCENT LIGHT
	1-GANG SWITCH
	PANELBOARD

NOTES:

1. DIMESION ARE INDICATIVE ONLY.
2. DRAWINGS ARE FOR CONSTRUCTION PURPOSES.



TOP VIEW
SCALE 1:40

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
NATIONAL CAPITAL REGION
2ND STREET, PORT AREA MANILA

PROJECT NAME & LOCATION:
PROPOSED MANILA BAY REHABILITATION PROGRAM
(BEACH NOURISHMENT, COASTAL RESTORATION AND ENHANCEMENT OF MANILA BAYWALK AREA)

SHEET CONTENTS:
RECOMMENDED FIELD OFFICE DETAIL
(20' CONTAINER VAN, RENTAL)

PREPARED:
DESIGNED: FELICIANO V. DEL ROSARIO JR.
ENGINEER III

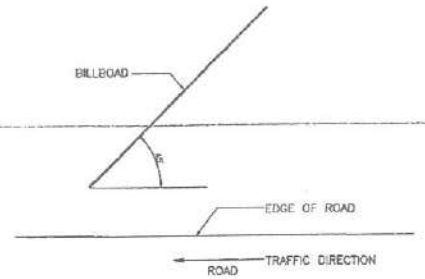
CHECKED: WENCESLAO A. P. ASUNCION
ENGINEER III

REVIEWED: LYDIA G. CHUA
CHIEF, PLANNING AND DESIGN DIVISION
DATE:

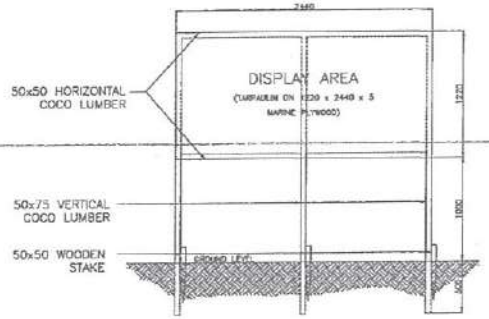
RECOMMENDED: JUBY B. CORDON, CEO
ASSISTANT REGIONAL DIRECTOR
DATE:

APPROVED: ABDIEL G. CARILAS, CESO IV
REGIONAL DIRECTOR
DATE:

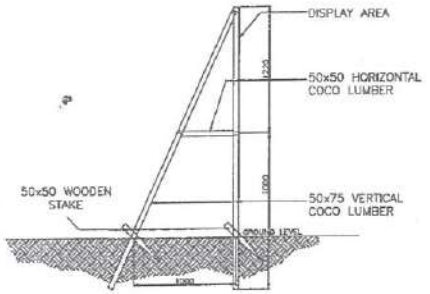
SET NO. S 01 02
SHEET NO. 09 10



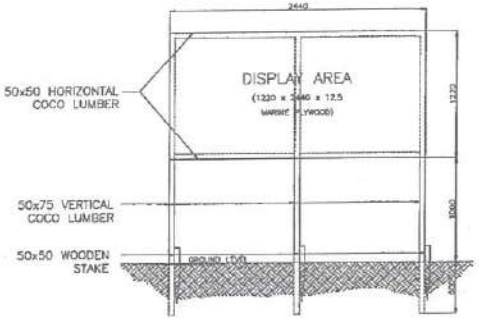
ORIENTATION
SCALE 1 : 50



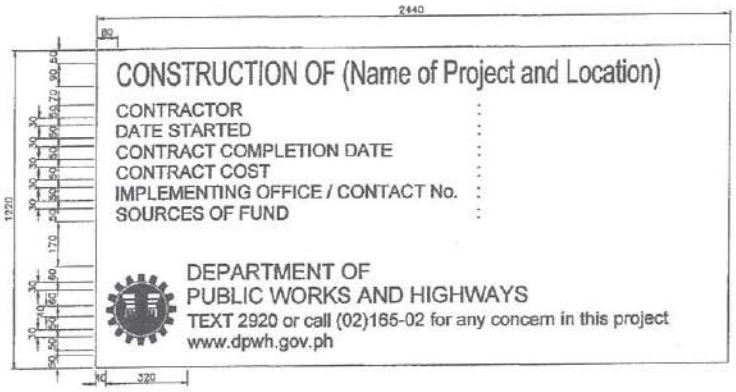
FRONT ELEVATION (OPTION 2)
SCALE 1 : 50



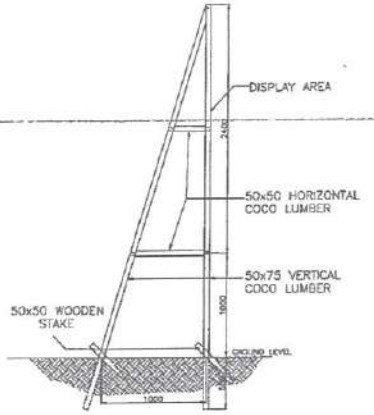
TYPICAL FRAME ELEVATION
SCALE 1 : 50



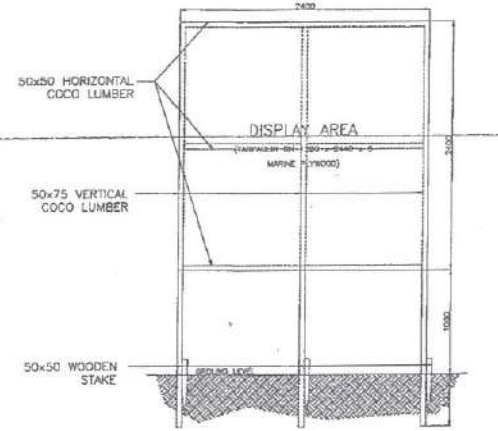
FRONT ELEVATION (OPTION 1)
SCALE 1 : 50



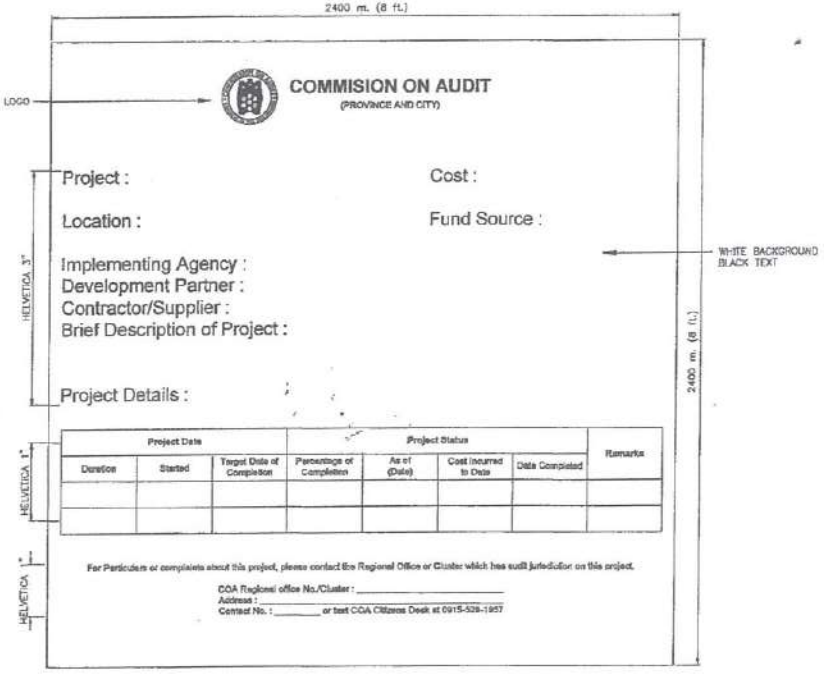
DPWH STANDARD PROJECT BILLBOARD
SCALE 1 : 20



TYPICAL FRAME ELEVATION
SCALE 1 : 50



FRONT ELEVATION
SCALE 1 : 50



COA STANDARD PROJECT BILLBOARD
SCALE 1 : 20

REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS NATIONAL CAPITAL REGION 2ND STREET, PORT AREA MANILA	PROJECT NAME & LOCATION: PROPOSED MANILA BAY REHABILITATION PROGRAM (BEACH NOURISHMENT, COASTAL RESTORATION AND ENHANCEMENT OF MANILA BAYWALK AREA)	SHEET CONTENTS: STANDARD PROJECT BILLBOARD DETAILS (DPWH AND COA)	PREPARED: DESIGNED: FELICIANO L. DEL ROSARIO JR. ENGINEER	CHECKED: WENCESLAO P. ARANADOR ENGINEER III	REVIEWED: LYDIA G. CHUA CHIEF, PLANNING AND DESIGN DIVISION DATE:	RECOMMENDED: JUBY B. CORDON, CEO ASSISTANT REGIONAL DIRECTOR DATE:	APPROVED: ADOR G. CANLAS, CESO IV REGIONAL DIRECTOR DATE:	SET NO. 8 02 02	SHEET NO. 10 10

ANNEX "C"

Contract ID No.	:	**19Z00039**
Contract Name	:	**Proposed Manila Bay Rehabilitation Program (Beach Nourishment, Coastal Restoration and Enhancement of Manila Baywalk Area)**
Location of the Project	:	**Manila City**

ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
PART A	**FACILITIES FOR THE ENGINEER**				
A.1.1 (8)	Provision of Field Office for the Engineer (Rental Basis) (Pesos_____ _____ _____ _____ _____/mos)	6.00	mos.		
A.1.4 (1)	Provision of Progress Photographs (Pesos_____ _____ _____ _____ /mos)	6.00	mos.		
PART B	**OTHER GENERAL REQUIREMENTS**				
B.5	Project Billboard / Signboard (Pesos_____ _____ _____ _____ _____/ea)	2.00	ea		
B.7 (1)	Construction Safety and Health (Pesos_____ _____ _____ _____ _____/mos)	6.00	mos.		
B.8 (1)	Traffic Management (Pesos_____ _____ _____ _____ _____/mos)	6.00	mos.		

B.9	Mobilization/Demobilization (Pesos_____ _____ _____ _____ /ls)	1.00	l.s.		
PART C	**EARTHWORKS**				
715 (8) a	Geotextiles Bag (Woven Fabric) (Pesos_____ _____ _____ _____ /sq.m)	6,120.00	sq.m.		
1705 (1)	Fill and Backfill (Top Layer of Sand) (Pesos_____ _____ _____ _____ /cu.m)	62,100.00	cu.m.		
1705 (2)	Backfill (Bottom Layer of Sand) (Pesos_____ _____ _____ _____ /cu.m)	102,600.00	cu.m.		
	GRAND TOTAL				

TOTAL BID AMOUNT (in words) :

_____

_____

TOTAL CALENDAR DAYS: ONE HUNDRED EIGHGTY (180) CALENDAR DAYS

READ AND ACCEPTED AND GOOD FOR AGREEMENT

Date : _____

Signature : _____

In the Capacity as : _____

Duly authorized for Bids and in behalf of : _____