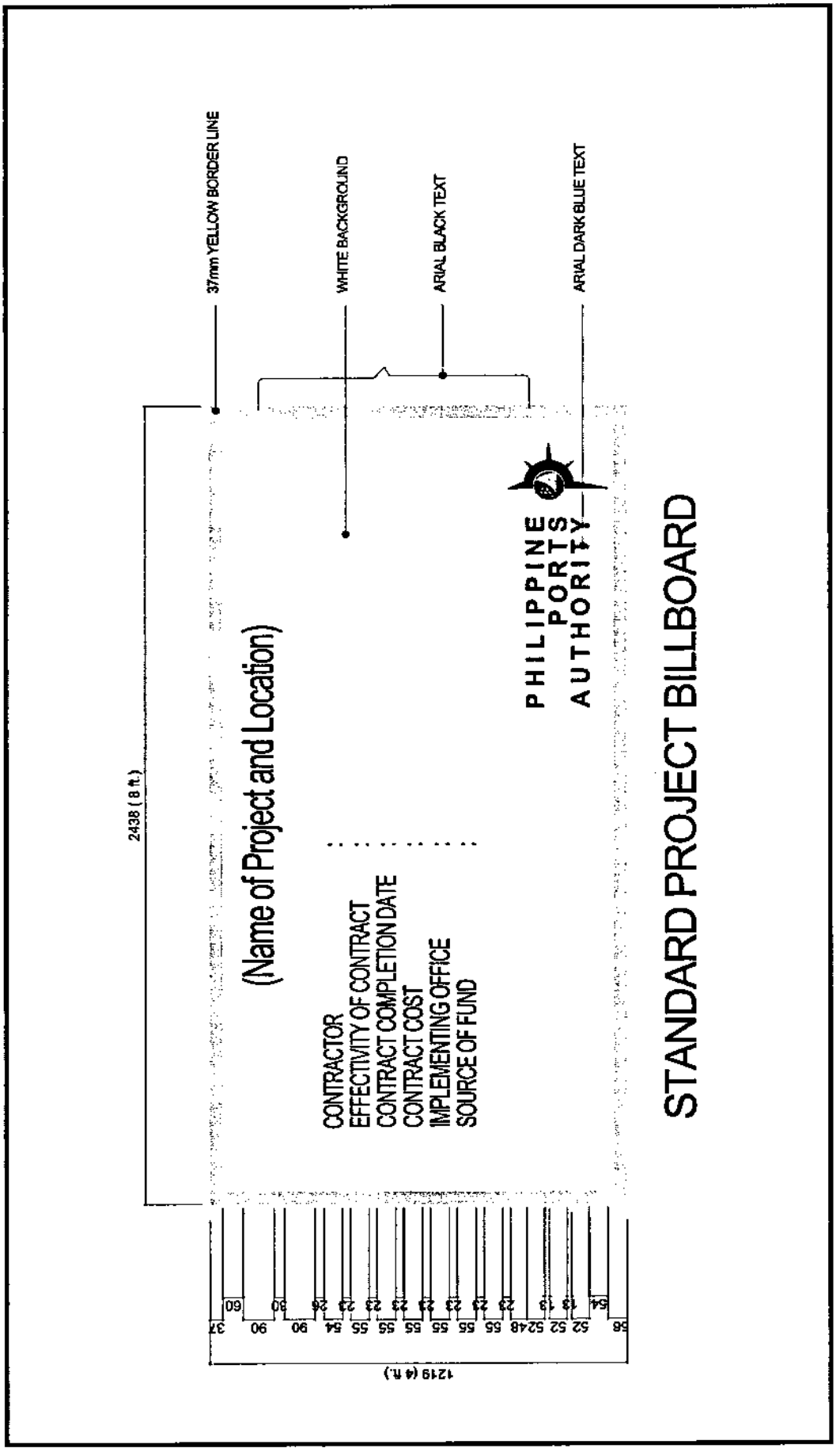
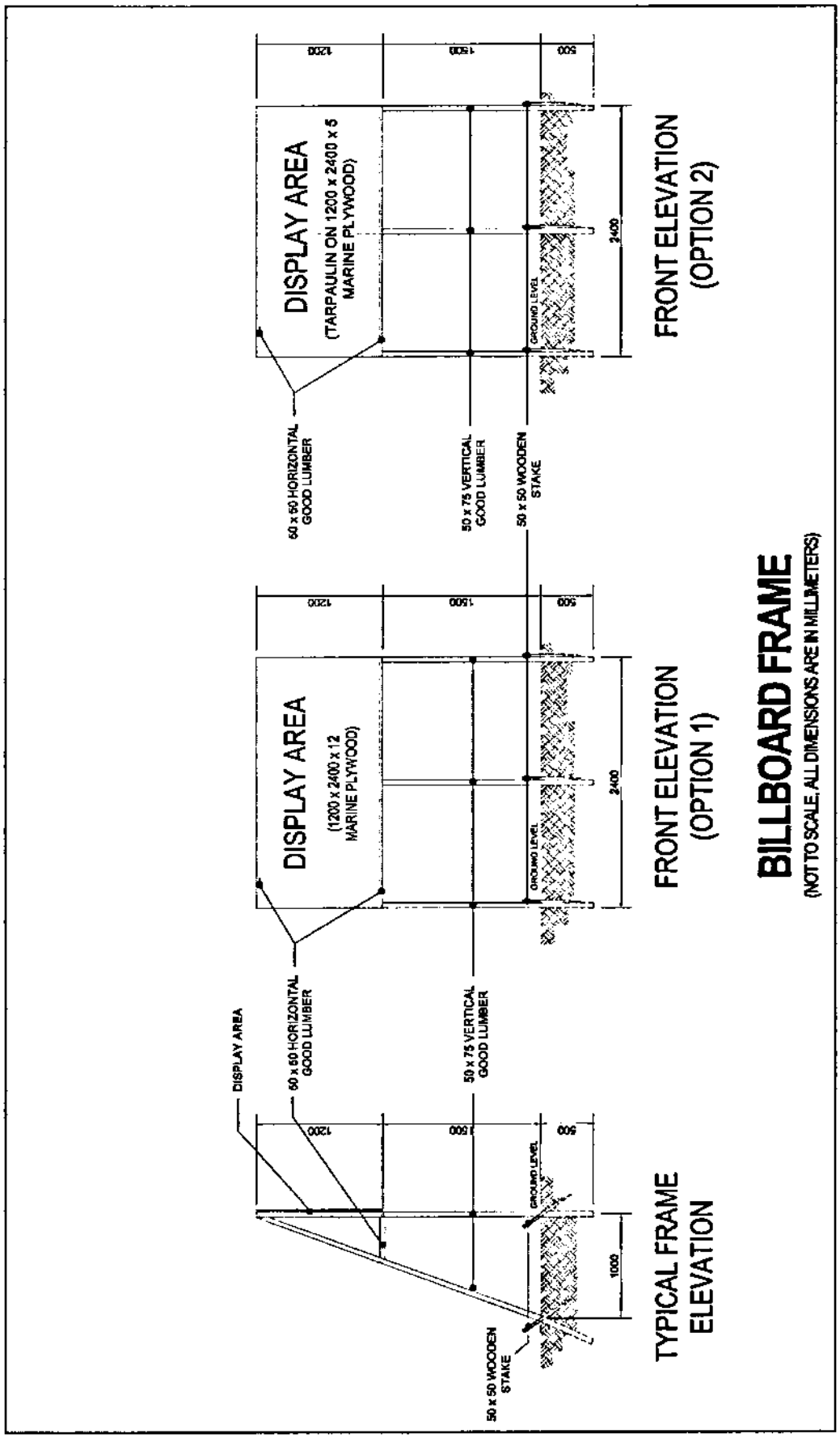

37mm YELLOW BORDER LINE
WHITE BACKGROUND
ARIAL BLACK TEXT
ARIAL DARK BLUE TEXT
2438 (8 ft.)
(Name of Project and Location)
CONTRACTOR
EFFECTIVITY OF CONTRACT
CONTRACT COMPLETION DATE
CONTRACT COST
IMPLEMENTING OFFICE
SOURCE OF FUND
PHILIPPINE PORTS AUTHORITY
STANDARD PROJECT BILLBOARD
1219 (4 ft.)
37 60 30 90 90 54 26 23 55 55 55 23 23 23 23 23 23 23 23 55 55 55 55 55 55 55 55 2348 23 23 23 23 13 13 52 52 54


BILLBOARD FRAME
(NOT TO SCALE, ALL DIMENSIONS ARE IN MILLIMETERS)
FRONT ELEVATION
(OPTION 2)
DISPLAY AREA
(TARPAULIN ON 1200 x 2400 x 5
MARINE PLYWOOD)
50 x 50 HORIZONTAL
GOOD LUMBER
50 x 75 VERTICAL
GOOD LUMBER
50 x 50 WOODEN
STAKE
GROUND LEVEL
2400
1200
1500
500
FRONT ELEVATION
(OPTION 1)
DISPLAY AREA
(1200 x 2400 x 12
MARINE PLYWOOD)
TYPICAL FRAME
ELEVATION
DISPLAY AREA
1000

DIVISION 10 : SAFETY SIGNAGES AND BARRICADES

DESCRIPTION

This work includes the furnishing and installing of safety signages and barricades in accordance with the specifications and to the details shown below in the drawings, or as directed by the Engineer.

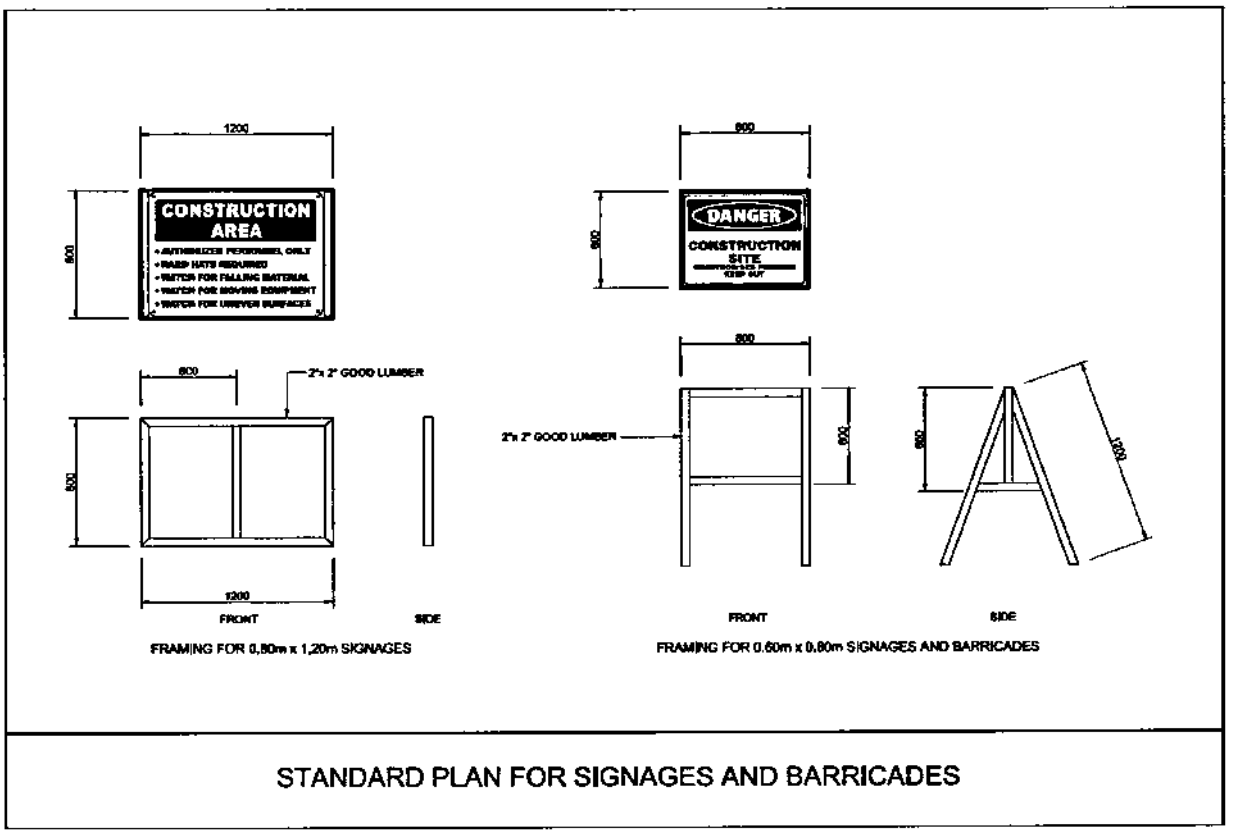
SPECIFICATION

The Signage's and Barricades shall be installed at location(s) designated by the Engineer.

The sizes of the standard signages shall be 2-2/3ft x 4ft (800mm X 1,200mm) for fixed type and 2ft x 2–2/3ft (600mm x 800mm) for mobile type. For barricade standard 2ft x 2–2/3ft (600mm x 800mm) shall be provided.

The materials to be used for signages and barricades are ½ inch (12mm) marine plywood or tarpaulin poster on 2" x 2" (50mm x 50mm) good lumber frame (see drawing below).

The printing or painting shall be the discretion of the Engineer.



STANDARD PLAN FOR SIGNAGES AND BARRICADES

SECTION VII

DRAWINGS (APPROVED PLANS)

SECTION VII

DRAWINGS AND APPROVED PLANS
(SEE ISSUED APPROVED PLANS)

LIST OF DRAWINGS:

A - Site Vicinity Plan, Site Development Plans

B-1 - Pavement Plan, Cross Section at "A", Cross Section at "B"

B-2 - Detail of Construction Joint "A", "B", Construction Joint @ End Existing to New Pavement Connection, Area pf Sidewalk for Restoration, Details for Concrete Sidewalk, Details for RC Curb & Gutter, Details of Expansion Joint, Details of Contraction Joint.

C-1 - Drainage Layout of IPB RD. to Marcos RD., Profile along the centerline of the Proposed 910 mm (36") RCPC of Section IPB Rd. to Marcos RD.

C-2 - Plan of MH-A1 & MH-A2, Section of MH-A1, Rebar Reinforcement of MH-A1, Section of MH-A1, Rebar Reinforcement of MH-A1

C-3 - Section of MH-A2, Rebar Reinforcement of MH-A2, Plan of MH-A3, Section of MH-A2, Rebar Reinforcement of MH-A2, Spot Detail of "A", Spot Detail "B"

C-4 - MH-A1,2 & 3 Cover Detail, MH-A1 & 2 Framing Detail, MH-A3 Framing Detail, Cast Iron Grating, Section Details, Framing Section Details.

D-1 - Drainage Layout of Marcos R> to Slip-0, Profile along centerline of the proposed 910mm (36") RCCP of section Marcos RD. to Slip-0

D-2 - Section of MH-A2, Rebar reinforcement of MH-A2

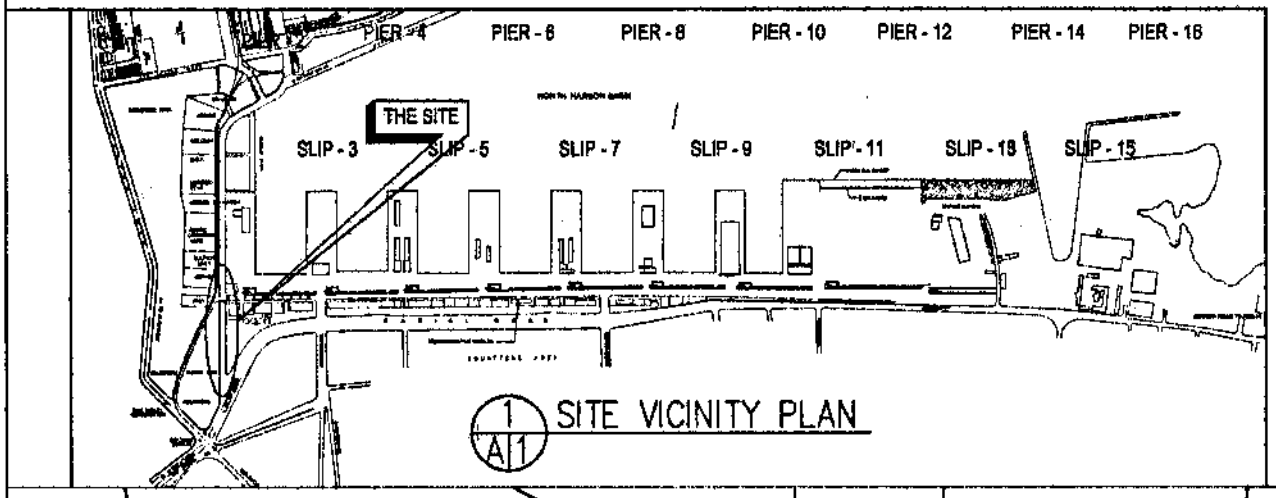
TABLE OF CONTENTS

A. SITE DEV'T / VICINITY PLANS

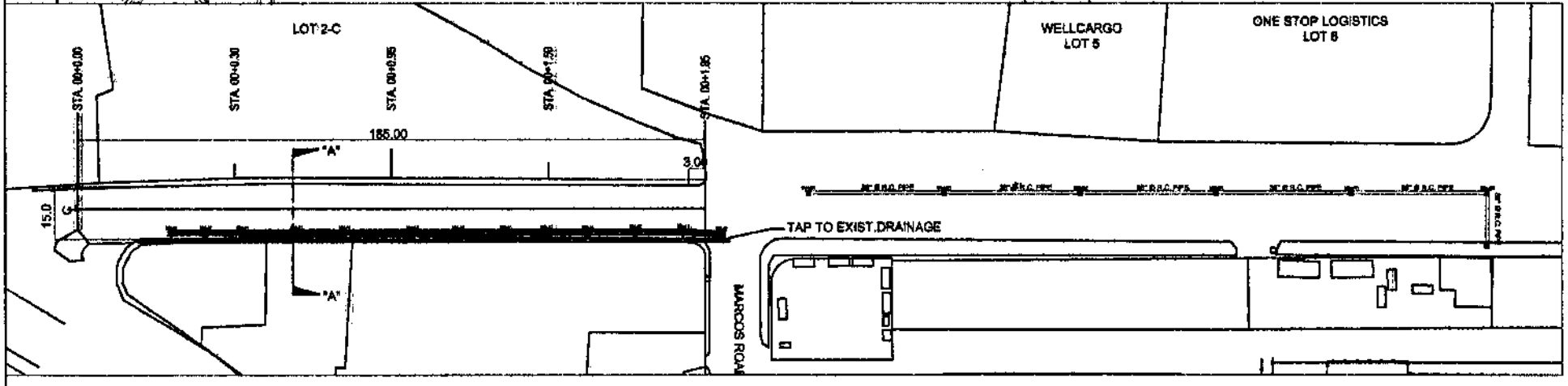
B. PAVEMENT PLAN, SECTION AND BLOW-UP DETAILS FOR DELPAN GATE TO MARCOS ROAD SECTION

C. DRAINAGE PLAN, SECTION AND BLOW-UP DETAILS FOR DELPAN GATE TO MARCOS ROAD SECTION

D. DRAINAGE PLAN, SECTION AND BLOW-UP DETAILS FOR MARCOS ROAD TO SLIP – 0 SECTION



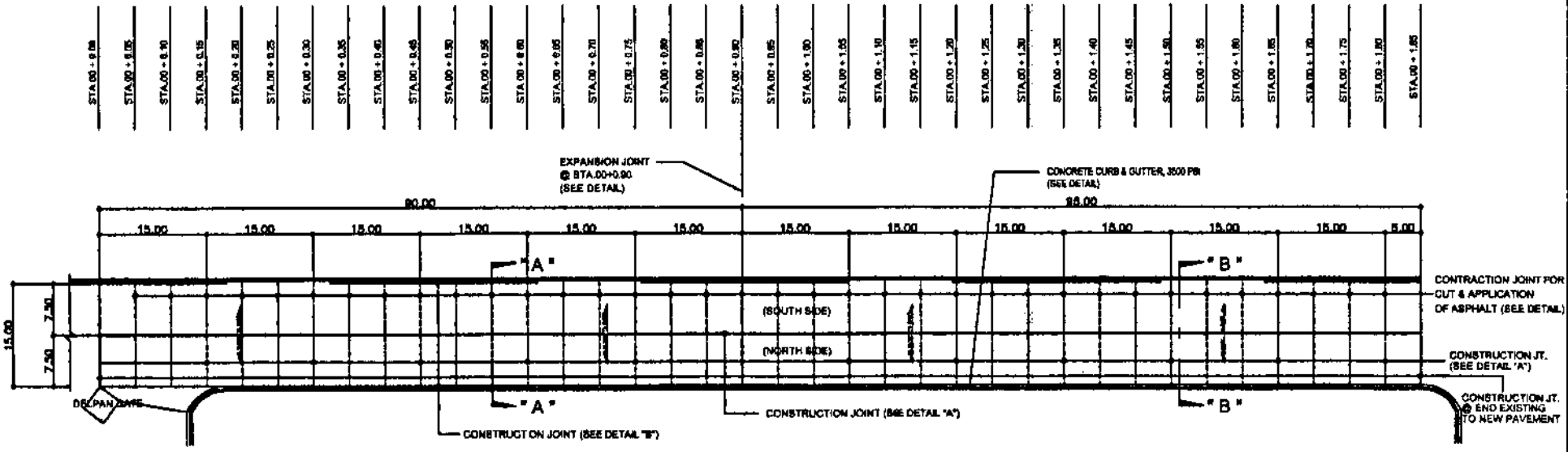
1/A1 SITE VICINITY PLAN



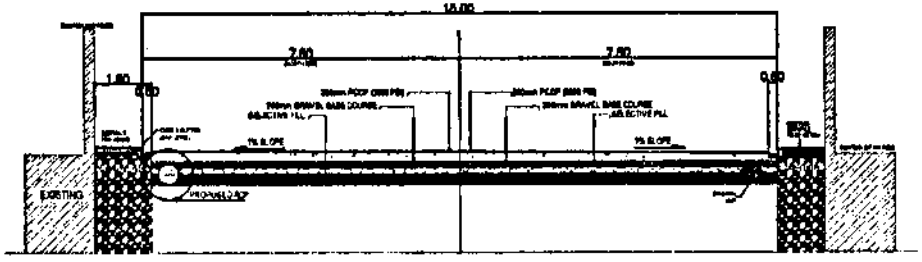
1/A2 SITE DEVELOPMENT PLAN OF ROAD PAVEMENT & DRAINAGE FROM DELPAN GATE TO MARCOS RD. SECTION

1/A3 SITE DEVELOPMENT PLAN OF DRAINAGE MARCOS RD. TO SLIP–0 SECTION

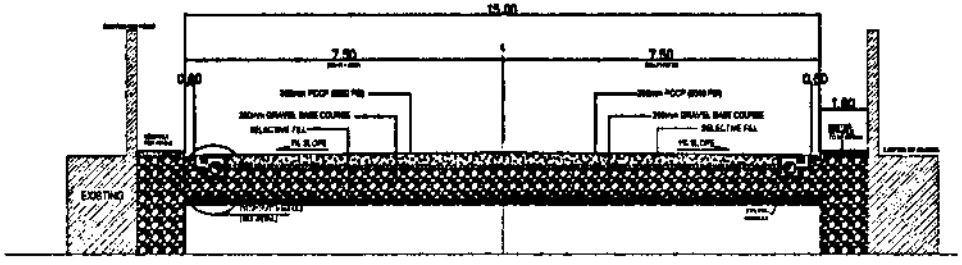
PHILIPPINE PORTS AUTHORITY	FROM THE OFFICE OF:	PROJECT TITLE:	PREPARED BY:	RECOMMENDED BY:	APPROVED:	SHEET CONTENT:	SHEET NO.
	PORT MANAGEMENT OFFICE-NCR NORTH	Proposed Road Pavement and Drainage Rehabilitation along Delpan - Isla Puting Bato (IPB) Roadway @ Slip-0 North Harbor, Tondo, Manila LOCATION: North Harbor, Tondo, Manila	JOHN JACKSON J. PRADO Engineer in Assistant	JOENEL C. MANALON Principal Engineer A	AURORA A. MENDOZA Acting Manager, PMO-NCR North	AS-SHOWN	A



1/B1 PAVEMENT PLAN
SCALE N.T.S.

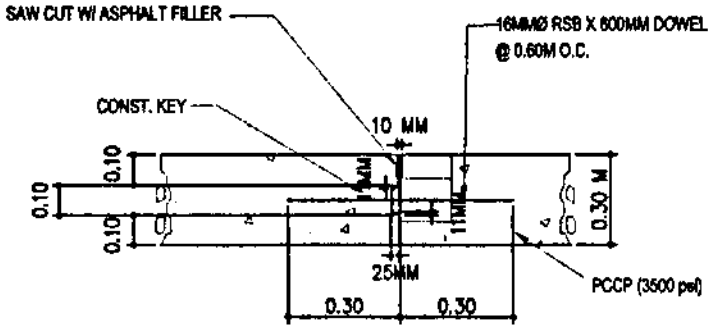


1/B2 CROSS SECTION AT "A"
SCALE N.T.S.

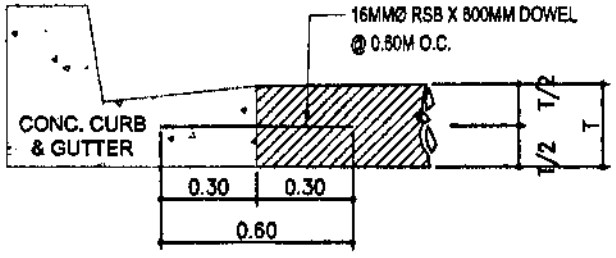


1/B3 CROSS SECTION AT "B"
SCALE N.T.S.

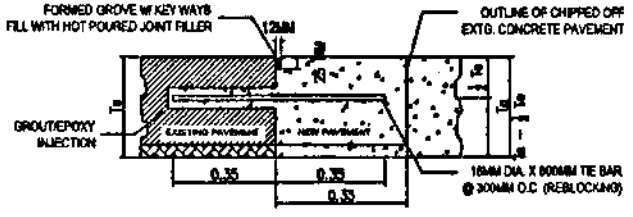
PHILIPPINE PORTS AUTHORITY	FROM THE OFFICE OF: PORT MANAGEMENT OFFICE-NCR NORTH	PROJECT TITLE: Proposed Road Pavement and Drainage Rehabilitation along Oalpan - Isla Puting Bato (IPB) Roadway @ Slip-0 North Harbor, Tondo, Manila LOCATION: North Harbor, Tondo, Manila	PREPARED BY: JOHN JACKSON J. FRAGO, Engineering Assistant A	RECOMMENDED BY: JOENEL G. MANALON, Principal Engineer A	APPROVED: AURORA A. MERIDOR, Acting Manager, PMO-NCR North	SHEET CONTENT: AS-SHOWN	SHEET NO.: B-1



2 B1 DETAILS OF CONSTRUCTION JOINT "A"
SCALE 1:10

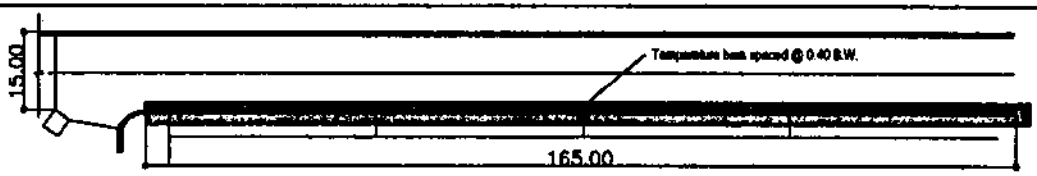


2 B2 DETAILS OF CONSTRUCTION JOINT "B"
SCALE 1:10

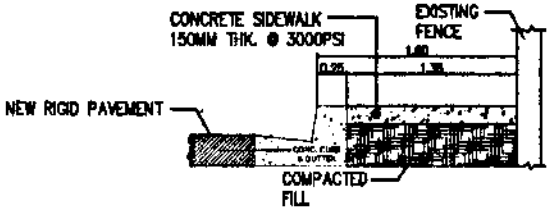


WHERE:
Te - THICKNESS OF EXISTING PAVEMENT
Tn - THICKNESS OF NEW PAVEMENT

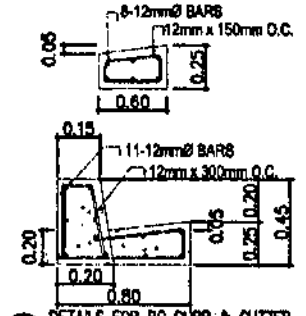
2 B3 CONSTRUCTION JOINT @ END EXISTING TO NEW PAVEMENT CONNECTION
SCALE 1:10



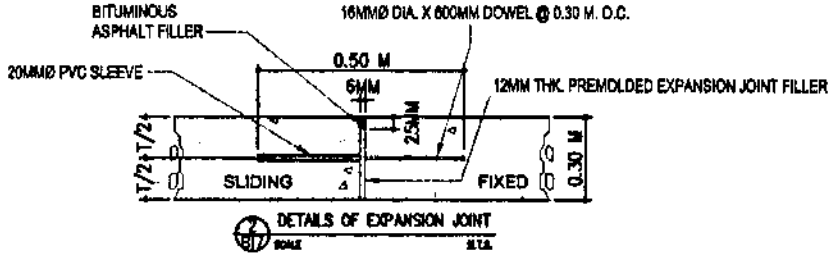
2 B4 AREA OF SIDEWALK FOR RESTORATION
SCALE N.T.S.



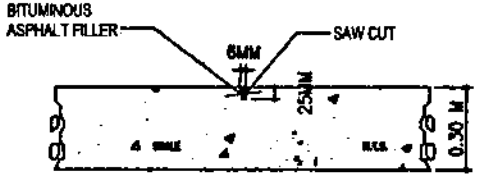
2 B5 DETAILS FOR CONCRETE SIDEWALK
SCALE 1:10



2 B6 DETAILS FOR RC CURB & GUTTER
SCALE 1:10



2 B7 DETAILS OF EXPANSION JOINT
SCALE N.T.S.

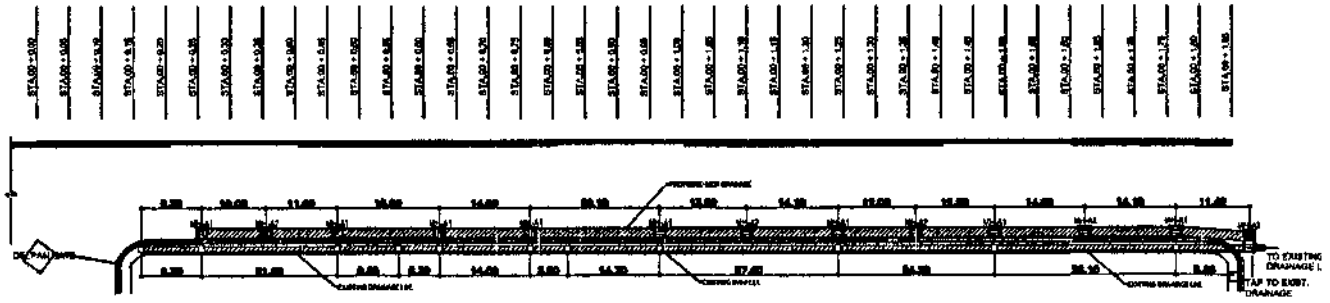


2 B8 DETAILS OF CONTRACTION JOINT

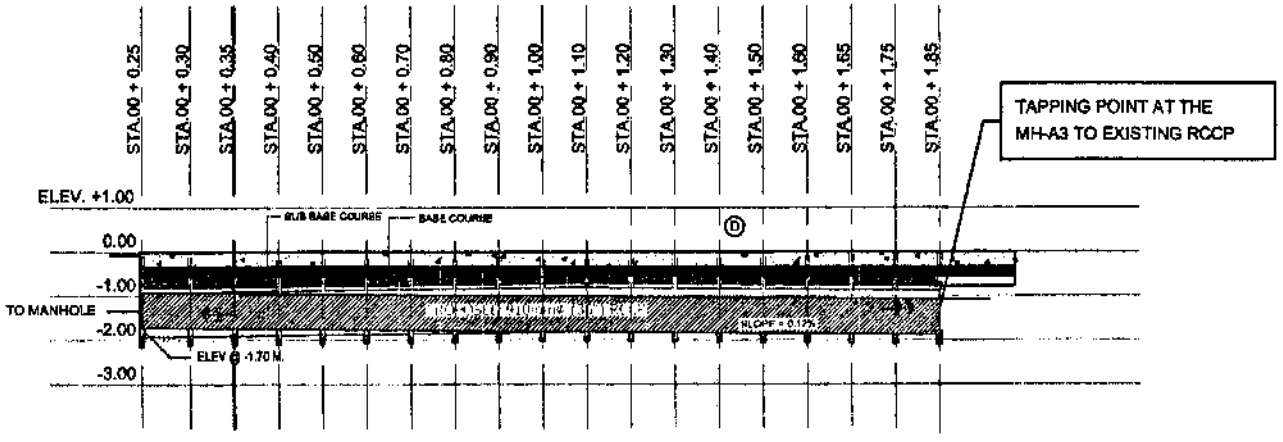
PHILIPPINE PORTS AUTHORITY	FROM THE OFFICE OF: PORT MANAGEMENT OFFICE-NCR NORTH	PROJECT TITLE: Proposed Road Pavement and Drainage Rehabilitation along Delpan - Isla Puting Bato (IPB) Roadway @ Slip-0 North Harbor, Tondo, Manila LOCATION: North Harbor, Tondo, Manila	PREPARED BY: JOHN JACKSON L. FRAGO, Engineer I/c Assistant A	RECOMMENDED BY: JOENEL C. MANALON, Principal Engineer A	APPROVED: AURORA A. MENDOZA, Acting Manager, PMO-NCR North	SHEET CONTENT: AS SHOWN	SHEET NO. B-2

GENERAL NOTES:

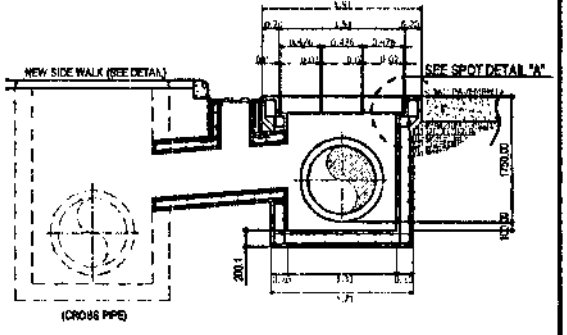
1. LEAN CONCRETE SHALL BE CLASS "A" CONCRETE, 3,000psi
2. REINFORCEMENT STEEL SHALL MEET THE REQUIREMENTS OF ITEM 10 REINFORCING STEEL & WIRE ROPE.
3. BEFORE MATERIALS ARE ORDERED, ALL ORDER LIST & BENDING DIAGRAMS SHALL BE FURNISHED BY THE CONTRACTOR FOR APPROVAL OF THE ENGINEER.
4. STEEL REINFORCEMENT SHALL BE STORED ABOVE THE SURFACE OF THE GROUND UPON PLATFORMS, SKID OR OTHER SUPPORTS AND SHALL BE PROTECTED AS FAR AS PRACTICABLE FOR MECHANICAL INJURY AND SURFACE DETERIORATION CAUSED BY EXPOSURE TO CONDITIONS PRODUCING RUST.
5. ALL REINFORCEMENT SHALL BE ACCURATELY PLACED IN THE POSITION SHOWN ON THE PLANS OR REQUIRED BY THE ENGINEER AND FIRMLY HELD THERE DURING THE PLACING AND SETTING OF THE CONCRETE.
6. ALL REINFORCEMENT SHALL BE FURNISHED IN THE FULL LENGTHS INDICATED ON THE PLANS.
7. AGGREGATES FOR SUB-BASE SHALL BE CONSISTS OF HARD, DURABLE PARTICLES OR FRAGMENTS OF CRUSHED STONE, CRUSHED SLAG OR CRUSHED OR NATURAL GRAVEL & FILLER OF NATURAL OR CRUSHED SAND OR OTHER FINELY DIVIDED MINERAL MATTER.
8. ALL CONCRETE MIXTURE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 20.68mpa (fc=3,000 psi)
9. REFERENCE ELEVATION IS TOP OF EXISTING MANHOLE WITH AN ASSUMED ELEV.= 13.00m



1 / C1 DRAINAGE LAYOUT OF IPB RD. TO MARCOS RD.
SCALE N.T.S.

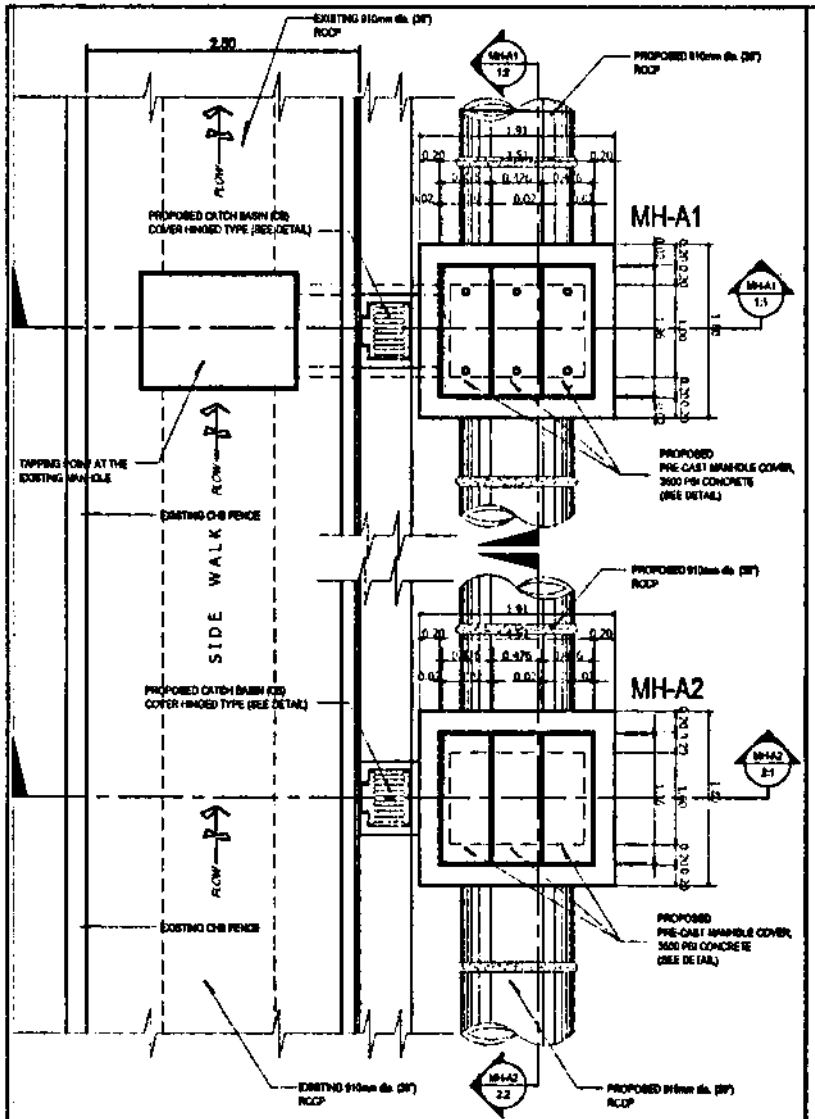


PROFILE ALONG CENTERLINE OF THE PROPOSED 910MM (36") RCCP OF SECTION IPB RD. TO MARCOS RD.
1 / C2 SCALE N.T.S.

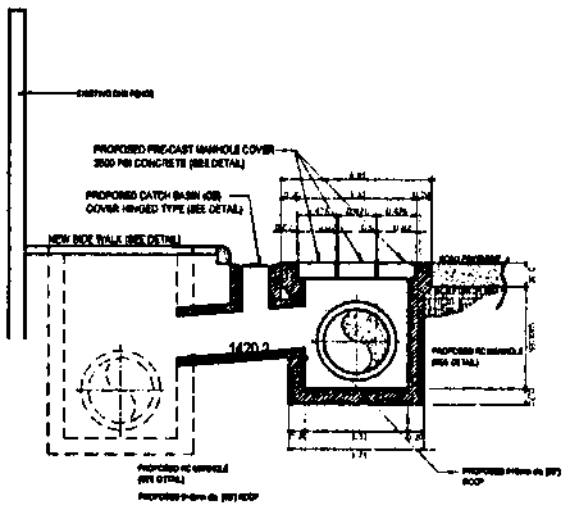


1 / C3 SECTION @ STA.00+0.25
SCALE 1:50

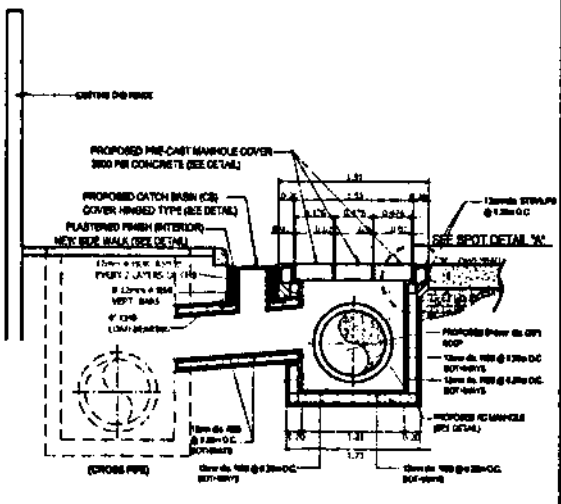
PHILIPPINE PORTS AUTHORITY	FROM THE OFFICE OF:	PROJECT TITLE:	PREPARED BY:	RECOMMENDED BY:	APPROVED:	SHEET CONTENT:	SHEET NO.
	PORT MANAGEMENT OFFICE-NCR NORTH	Road Pavement and Drainage Rehabilitation along Delpan - Isla Puting Bato (IPB) Roadway @ Slip-0 North Harbor, Tondo, Manila LOCATION: North Harbor, Tondo, Manila	JOHN JACKSON S. FRAGO Engineering Assistant A	JOENEL G. MANALON Principal Engineer A	JON GABRIELL M. MANANSALA Acting Manager, PMO-NCR North	AS-SHOWN	C-1



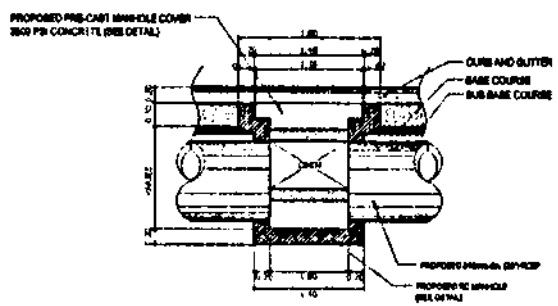
PLAN OF MH-A1 & MH-A2
SCALE 1:50



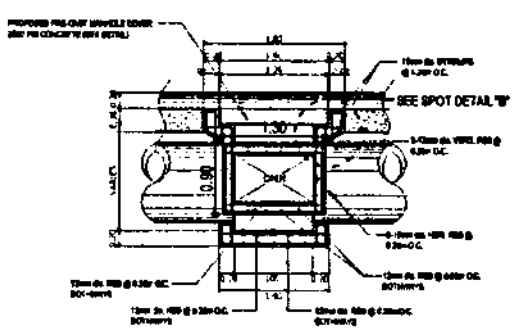
SECTION OF MH-A1
SCALE 1:05



REBAR REINFORCEMENT OF MH-A1
SCALE 1:05

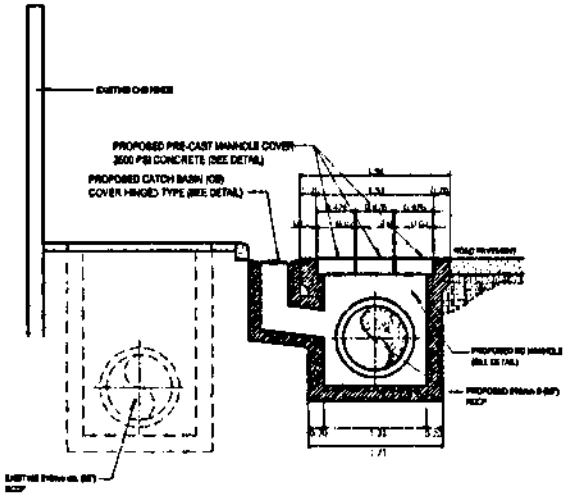


SECTION OF MH-A1
SCALE 1:05

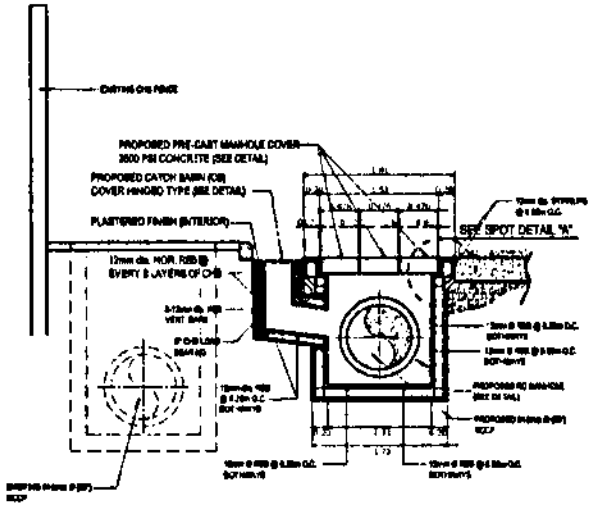


REBAR REINFORCEMENT OF MH-A1
SCALE 1:05

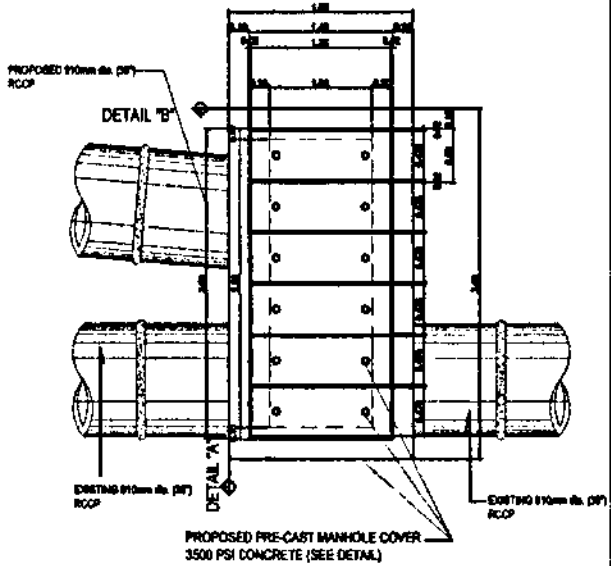
PHILIPPINE PORTS AUTHORITY	FROM THE OFFICE OF: PORT MANAGEMENT OFFICE-NCR NORTH	PROJECT TITLE: Proposed Road Pavement and Drainage Rehabilitation along Delpan - Isla Puting Bato (IPB) Roadway @ Slip-0 North Harbor, Tondo, Manila LOCATION: North Harbor, Tondo, Manila	PREPARED BY: JOHN JACKSON S. FRAGO, Engineer I, Assistant A	RECOMMENDED BY: JOENEL C. VANALON, Principal Engineer A	APPROVED: AURORA A. MENDOZA, Acting Manager, PMO-NCR North	SHEET CONTENT: AS-SHOWN	SHEET NO. C-2



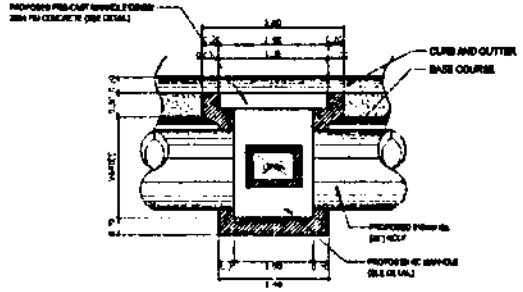
SECTION OF MH-A2
SCALE 1:65



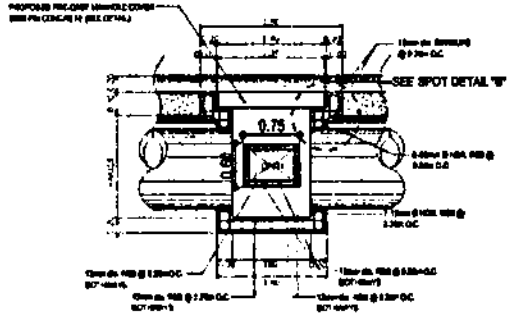
REBAR REINFORCEMENT OF MH-A2
SCALE 1:65



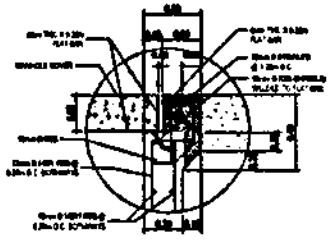
PLAN OF MH-A3
SCALE 1:50



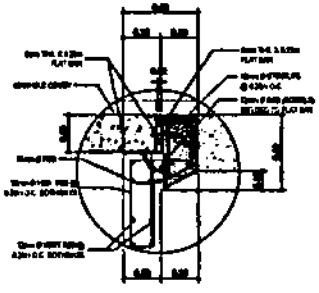
SECTION OF MH-A2
SCALE 1:65



REBAR REINFORCEMENT OF MH-A2
SCALE 1:65

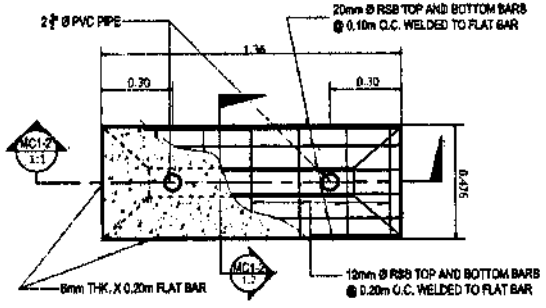


SPOT DETAIL "A"
SCALE 1:50

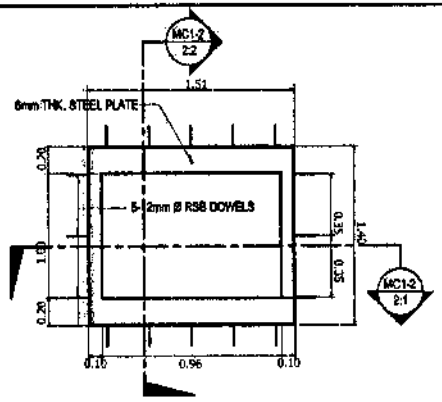


SPOT DETAIL "B"
SCALE 1:50

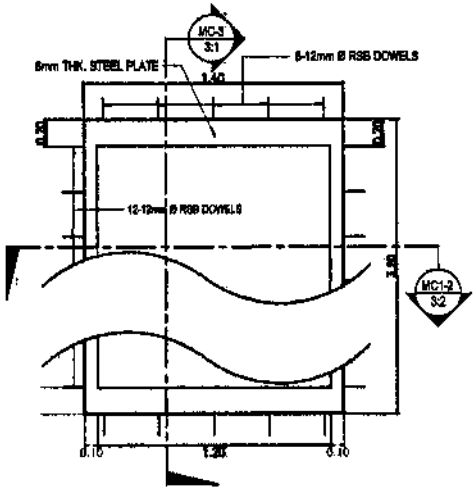
PHILIPPINE PORTS AUTHORITY	FROM THE OFFICE OF: PORT MANAGEMENT OFFICE-NCR NORTH	PROJECT TITLE: Proposed Road Pavement and Drainage Rehabilitation along Delpan - Isla Puting Bato (IPB) Roadway @ Slip-9 North Harbor, Tondo, Manila LOCATION: North Harbor, Tondo, Manila	PREPARED BY: JOHN JACKSON J. PRAGO, Engineering Assistant A	RECOMMENDED BY: JOENEL C. MANALON, Principal Engineer A	APPROVED: AURORA A. MENDOZA, Acting Manager, PMO-NCR North	SHEET CONTENT: AS SHOWN	SHEET NO.: C-3



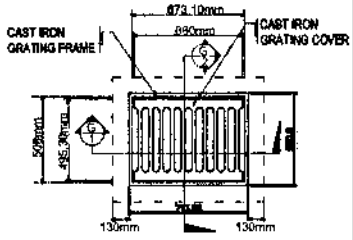
4 / C1 MH-A1, 2 & 3 COVER DETAIL
SCALE 1:50



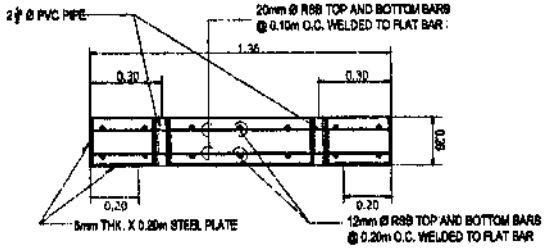
4 / C2 MH-A1 & 2 FRAMING DETAIL
SCALE 1:50



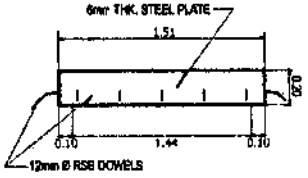
4 / C3 MH-A3 FRAMING DETAIL
SCALE 1:50



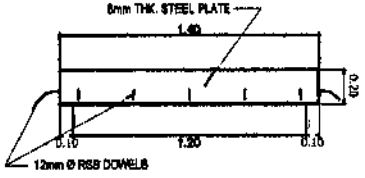
4 / C4 CAST IRON GRATING
SCALE 1:50



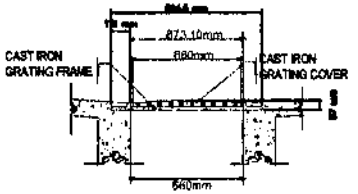
MC1-2 / 1:1 SECTION DETAIL
SCALE 1:50



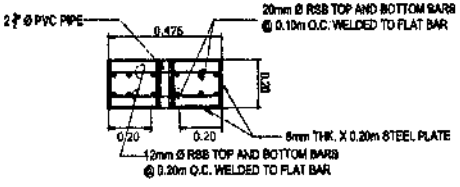
MC1-2 / 2:1 FRAMING SECTION DETAIL
SCALE 1:50



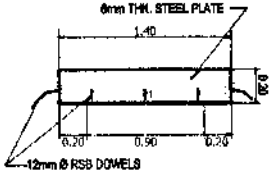
MC-3 / 3:2 SECTION DETAIL
SCALE 1:50



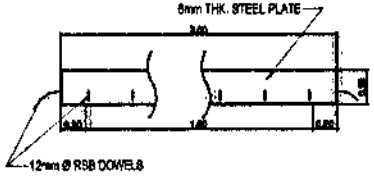
G / 1 SECTION DETAIL
SCALE 1:50



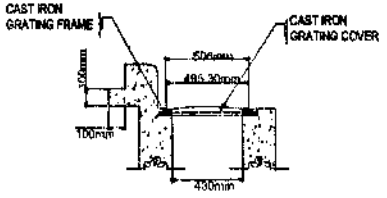
MC1-2 / 1:2 SECTION DETAIL
SCALE 1:50



MC1-2 / 2:2 FRAMING SECTION DETAIL
SCALE 1:50

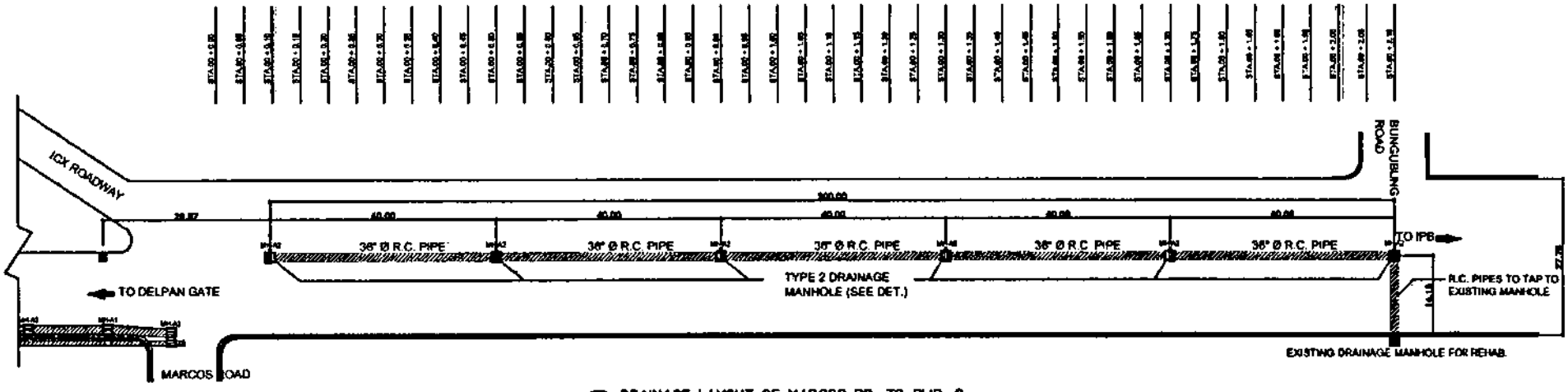


MC-3 / 3:1 SECTION DETAIL
SCALE 1:50

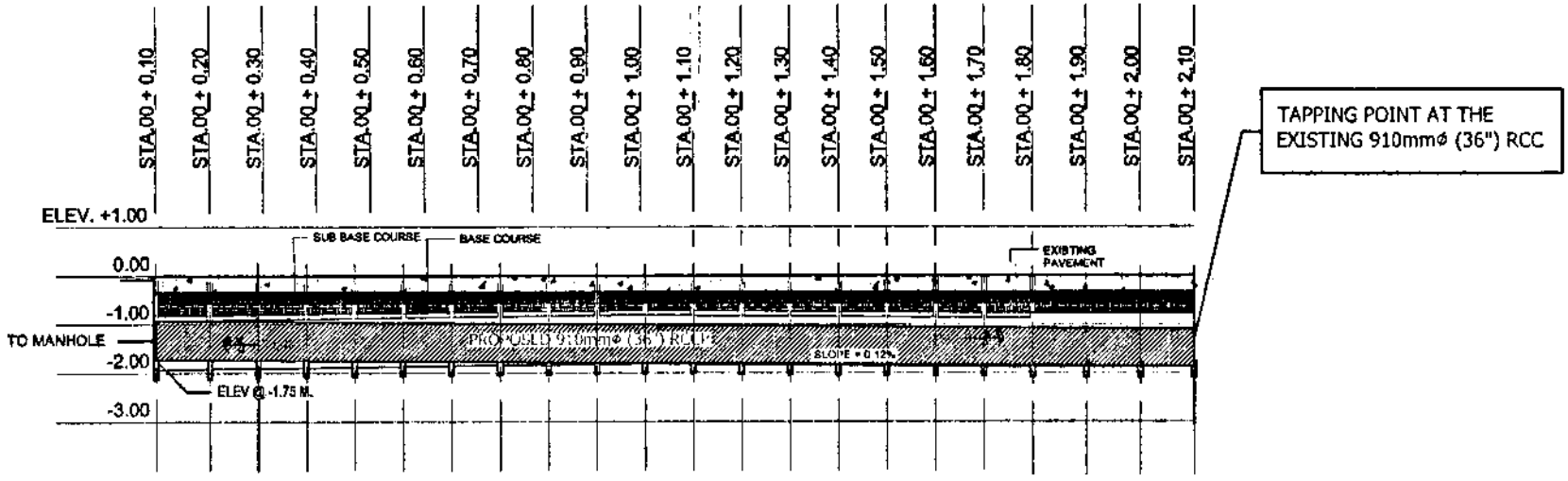


G / 2 SECTION DETAIL
SCALE 1:50

PHILIPPINE PORTS AUTHORITY	FROM THE OFFICE OF: PORT MANAGEMENT OFFICE-NCR NORTH	PROJECT TITLE: Proposed Road Pavement and Drainage Rehabilitation along Delpan - Isla Puting Bato (IPB) Roadway @ Slip-0 North Harbor, Tondo, Manila LOCATION: North Harbor, Tondo, Manila	PREPARED BY: JOHN JACKSON V. FRAGO, Engineering Assistant A	RECOMMENDED BY: JOENEL C. MANALON, Principal Engineer A	APPROVED: AURORA A. MENDOZA, Acting Manager, PMO-NCR North	SHEET CONTENT: AS-SHOWN	SHEET NO. C-4

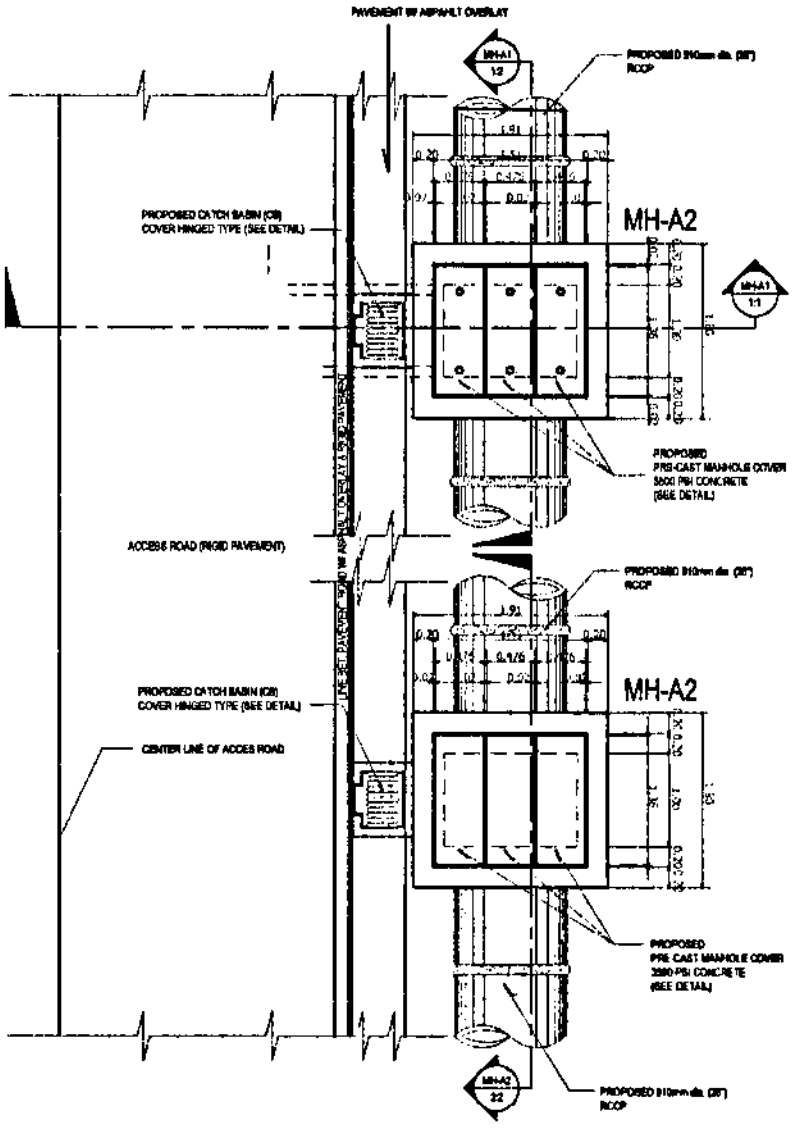


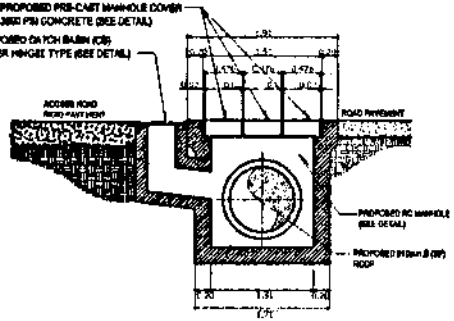
1 / D1 DRAINAGE LAYOUT OF MARCOS RD. TO SLIP-0
SCALE 1:50



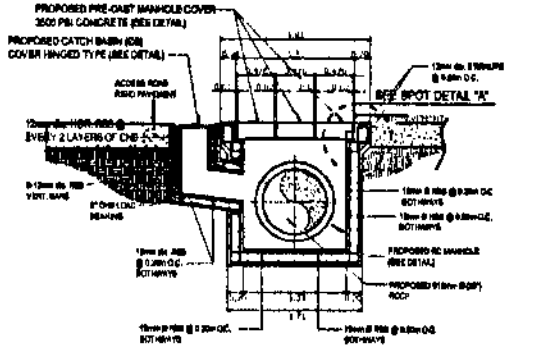
2 / D1 PROFILE ALONG CENTERLINE OF THE PROPOSED 910MM (36") RCCP OF SECTION MARCOS RD. TO SLIP-0
SCALE N.T.S.

PHILIPPINE PORTS AUTHORITY	FROM THE OFFICE OF: PORT MANAGEMENT OFFICE-NCR NORTH	PROJECT TITLE: Proposed Road Pavement and Drainage Rehabilitation along Delpan - Isla Puting Bato (IPB) Roadway @ Slip-0 North Harbor, Tondo, Manila LOCATION: North Harbor, Tondo, Manila	PREPARED BY: JOHN JAGASON O. FRAGO, Engineering Assistant A	RECOMMENDED BY: JOENEL C. MANALON, Principal Engineer A	APPROVED: AURORA A. MENDOZA, Acting Manager, PMO-NCR NORTH	SHEET CONTENT: AS SHOWN	SHEET NO.: D-1

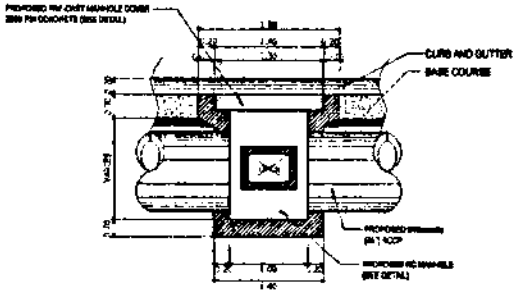




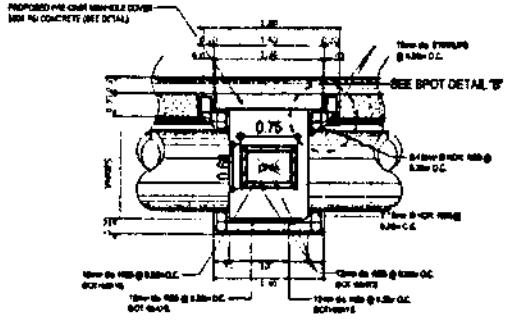
MH-A1 1:1 SECTION OF MH-A2
SCALE 1:65



MH-A1 1:1 REBAR REINFORCEMENT OF MH-A2
SCALE 1:65



MH-A2 1:2 SECTION OF MH-A2
SCALE 1:65



MH-A2 1:2 REBAR REINFORCEMENT OF MH-A2
SCALE 1:65

PHILIPPINE PORTS AUTHORITY	FROM THE OFFICE OF :	PROJECT TITLE	PREPARED BY:	RECOMMENDED BY:	APPROVED:	SHEET CONTENT	SHEET NO.
	PORT MANAGEMENT OFFICE-NCR NORTH	Proposed Road Pavement and Drainage Rehabilitation along Delpan - Isla Puting Bato (IPB) Roadway @ Slip-0 North Harbor, Tondo, Manila LOCATION North Harbor, Tondo, Manila	JOHN JACKSON C. FRAGO Engineering Assistant B	JOENEL C. MANALON Principal Engineer A	AURORA A. MENDOZA Acting Manager, PMO-NCR North	AS-SHOWN	D-2

SECTION VIII

BILL OF QUANTITIES AND ATTACHMENTS

BID SUMMARY

ROAD PAVEMENT AND DRAINAGE REHABILITATION ALONG DELPAN-ISLA PUTING BATO (IPB) ROADWAY AT SLIP-0, NORTH HARBOR, TONDO, MANILA

NO.	DESCRIPTION OF WORK	AMOUNT (Pesos)
1.	GENERAL EXPENSES	
2.	REHABILITATION OF 185-M ROADWAY PAVEMENT *(From Delpan Gate to Marcos Road Roadway Section)*	
3.	DRAINAGE CONSTRUCTION *(From Delpan Gate to Marcos Road Roadway Section- Northside)*	
4.	DRAINAGE CONSTRUCTION *(From Marcos Road to Slip-0 Access Road Roadway Section- Southside)*	
	BID PRICE	

Name of Firm

Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

Date

BILL OF QUANTITIES

ROAD PAVEMENT AND DRAINAGE REHABILITATION ALONG DELPAN-ISLA PUTING BATO (IPB) ROADWAY AT SLIP-0, NORTH HARBOR, TONDO, MANILA

ITEM NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO. 1	**GENERAL EXPENSES**				
1.1	Mobilization/Demobilization/ Cleaning-Up of the Project Area	lot	1.0		
1.2	Rental of Temporary Site Office for Engineer's and staff	mos.	7.33		
1.3	Maintain Temppoary Site Office	mos.	7.33		
1.4	Provide construction safety and health program in the execution of the project	mos.	7.33		
	TOTAL FOR BILL NO. 1				

Name of Bidder/Authorized Representative
Signatory's Legal Capacity)

BILL OF QUANTITIES

ROAD PAVEMENT AND DRAINAGE REHABILITATION ALONG DELPAN-ISLA PUTING BATO (IPB) ROADWAY AT SLIP-0, NORTH HARBOR, TONDO, MANILA

ITEM NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO. 2	**REHABILITATION OF 185-M ROADWAY PAVEMENT (From Delpan Gate to Marcos Road Roadway Section)**				
2.1	**Demolition Works:**				
2.1.1	*Concrete breaking of existing 250mm thk.concrete pavement.*	sq.m.	2,775.00		
2.1.2	*Concrete breaking of existing concrete curbs and gutter*	m.	370.00		
2.1.3	*Concrete breaking of existing 100mmthk concrete sidewalk pavement*	sq.m.	370.00		
2.2	Excavation, Hauling and Disposal of excavated concrete debris.	cu.m.	744.63		
2.3	Base preparation, leveling and Compaction to design grade to include the levelling aggregate surface course.	sq.m.	2,775.00		

Name of Bidder/Authorized Representative
Signatory's Legal Capacity)

BILL OF QUANTITIES

ROAD PAVEMENT AND DRAINAGE REHABILITATION ALONG DELPAN-ISLA PUTING BATO (IPB) ROADWAY AT SLIP-0, NORTH HARBOR, TONDO, MANILA

ITEM NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
2.4	Supply and cast-in place 300mm thk of 3500 psi, 3/4" @ 14 days Ready mix concrete for road pavement including formworks and construction joint dowel as indicated in the plan.	sq.m.	2,449.85		
2.5	Supply and install pavement expansion joint as indicated in the plan	m.	13.80		
2.6	Supply and cast-in place 3500 psi, 3/4" @ 14 days Ready mix concrete for curbs and gutter including formworks as indicated in the plan.	m.	350.00		
2.7	Supply and cast-in place 100mm thk. 3,000 psi ready-mix concrete @ 28 days for concrete sidewalk including base preparation/ compaction.	sq.m.	239.25		
2.8	Saw and cut construction/contraction joint and application of asphalt sealer	m.	1,010.40		
	TOTAL FOR BILL NO. 2				

Name of Bidder/Authorized Representative
Signatory's Legal Capacity)

BILL OF QUANTITIES

ROAD PAVEMENT AND DRAINAGE REHABILITATION ALONG DELPAN-ISLA PUTING BATO (IPB) ROADWAY AT SLIP-0, NORTH HARBOR, TONDO, MANILA

ITEM NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO. 3	**DRAINAGE CONSTRUCTION (From Delpan Gate to Marcos Road Roadway Section- Northside)**				
3.1	Drainage excavation to the design grade depth elevation.	cu.m.	559.31		
3.2	Supply and place of 36" dia. R.C. Pipes (Class IV) including Mortar collar and sand bedding as indicated in the plan.	m.	139.92		
3.3	Concrete breaking for catch basin connection of MHA1 to existing manhole as indicated in the plan.	units	8.00		
3.4	Construction of Drainage Manhole with catch basin:				
3.4.1	*Drainage manhole (MHA-1) with catch basin (3,500psi Concrete) as indicated in the plan.*	units	8.00		

Name of Bidder/Authorized Representative
Signatory's Legal Capacity)

BILL OF QUANTITIES

ROAD PAVEMENT AND DRAINAGE REHABILITATION ALONG DELPAN-ISLA PUTING BATO (IPB) ROADWAY AT SLIP-0, NORTH HARBOR, TONDO, MANILA

ITEM NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
3.4.2	*Drainage manhole (MHA-2) with catch basin (3,500psi Concrete) as indicated in the plan.*	units	4.00		
3.4.3	*Drainage manhole (MHA-3) with catch basin (3,500psi Concrete) as indicated in the plan.*	unit	1.00		
3.5	Backfilling, compaction, levelling to the design grade and disposal of excess soil materials.	lot	1.00		
	TOTAL FOR BILL NO. 3				

Name of Bidder/Authorized Representative
Signatory's Legal Capacity)

BILL OF QUANTITIES

ROAD PAVEMENT AND DRAINAGE REHABILITATION ALONG DELPAN-ISLA PUTING BATO (IPB) ROADWAY AT SLIP-0, NORTH HARBOR, TONDO, MANILA

ITEM NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO. 4	**DRAINAGE CONSTRUCTION (From Marcos Road to Slip-0 Access Road Roadway Section-Southside)**				
4.1	Concrete cutting.	m.	428.30		
4.2	Concrete breaking (250mm thk. pavement).	sq.m.	432.65		
4.3	Excavation to the drainage system design grade depth.	cu.m.	780.99		
4.4	Supply and place 36" dia. R.C. Pipes (Class IV) including Mortar collar and sand bedding as indicated in the plan	m.	205.15		
4.5	Construction of drainage manhole (MHA-2) @3,500psi concrete with catch basin as indicated in the plan	units	6.00		

Name of Bidder/Authorized Representative
Signatory's Legal Capacity)

BILL OF QUANTITIES

ROAD PAVEMENT AND DRAINAGE REHABILITATION ALONG DELPAN-ISLA PUTING BATO (IPB) ROADWAY AT SLIP-0, NORTH HARBOR, TONDO, MANILA

ITEM NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
4.6	Backfilling, compaction levelling to the design grade and disposal of excess soil materials.	lot	1.00		
4.7	Supply and place 250mm thk. 3,500 psi, 3/4" @ 14 days ready mix concrete for concrete pavement restoration including reinforcing steel bars as indicated in the plan.	sq.m.	535.38		
	TOTAL FOR BILL NO. 4				

Name of Bidder/Authorized Representative
Signatory's Legal Capacity)

BASIS OF PAYMENT FOR WORK ITEMS INCLUDED IN THE PROPOSAL

BILL NO. 1

GENERAL EXPENSES

Item 1.1 Mobilization and Demobilization/ Cleaning-Up of the Project Area

The amount to be paid shall be the equivalent of 1% of the Project Civil works cost. Fifty percent (50%) of the total amount shall be payable after the mobilization activity while the remaining (50%) shall be payable after demobilization and cleaning.

Item 1.2 Rental of Temporary Site Office for Engineer's and staff

The quantity to be paid for shall be the actual rental of the site office and residence for the engineer and staff and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary for the provision of a temporary site office and residence for the engineer and staff.

Item 1.3 Maintain Temporary Site Office

The quantity to be paid for shall be the actual services rendered in maintaining the site office and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the maintenance of the temporary site office and residence as well as other expenses such as provision for electric power, telephone bill, potable water supply, janitorial and security services.

Item 1.4 Provide Construction Safety & Health Programs in the execution of the project

The quantity to be paid for shall be the actual implementation of the construction safety and health program and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the implementation of the Construction Safety and Health Program, as required and approved by the Department of Labor and Employment (DOLE).

BILL NO. 2

REHABILITATION OF 185-M ROADWAY (From Delpan Gate to Marcos Road Roadway Section)

Item 2.1 Demolition Works

The basis of payment for Demolition works shall be measured in its original position, in square meters for the *250mm thick existing concrete pavement,* meters for the *Existing concrete curbs and gutter, and* square meters for the *100 mm thick existing concrete sidewalk pavement.* The quantities determined will be paid for at the contract unit prices for the pay items as shown in the Bill of Quantities which prices and payment shall be the full compensation for the breaking of concrete inclusive of all labor, equipment, tools, and incidentals necessary to complete the items and as certified by the Engineer.

Item 2.2 Excavation, Hauling and Disposal of Excavated Concrete Debris

Excavation, Hauling, and Disposal of Excavated Concrete Debris to be paid for shall be measured in cubic meters of the actual concrete debris excavated, hauled and disposed of. The quantity determined will be paid for at the contract unit price for the pay item as shown in the Bill of Quantities which price and payment shall be the full compensation for the excavation, hauling, and disposal of all concrete debris inclusive of all labor, equipment, tools and incidentals necessary to complete the items and as certified by the Engineer.

Item 2.3 Base preparation, leveling and Compaction to design grade to include the leveling aggregate surface course

The quantity to be paid for shall be the actual area leveled, compacted in place to the design grade including the surface course as shown on the drawings, and accepted in the completed course. The accepted quantities measured shall be paid for at the contract unit price. Payment shall be full compensation for furnishing and placing all materials, including all labor, equipment, tools, and incidentals necessary to complete the work prescribed in this Section and as certified by the Engineer.

Item 2.4 Supply and cast-in-place 300mm thk of 3500 psi, ¾" @ 14 days Ready mix concrete for road pavement including formworks and construction joint dowel as indicated in the plan.

The quantities of the 300 mm thick, 3500 psi, ¾" @ 14 days Ready mix concrete for road pavement to be paid for shall be measured by the area of the top surface, in square meters, calculated from its width and length as shown on the drawings. The above quantities shall be paid for based on the quantities measured as provided by the appropriate contract unit price for each of the pay items shown in the Bill of Quantities which price and payments shall be full compensation for all the costs of furnishing, placing, compacting, curing and shaping material including all labor, equipment, tools and incidentals necessary to complete the work prescribed in this section.

Item 2.5 **Supply and install pavement expansion joint as indicated in the plan**

The quantity to be paid for shall be the actual length in meters of the expansion joints as indicated in the plan, with and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 2.6 **Supply and cast-in-place 3500 psi, 3/4" @ 14 days Ready mix concrete for curbs and gutter including formworks as indicated in the plan.**

The quantity to be paid for shall be the actual length in meters of cast-in-place 3,500 psi, ¾" @ 14 days ready mix concrete including rebars and form works to be supplied and delivered to site in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 2.7 **Supply and cast-in place 100mm thk. 3,000 psi ready-mix concrete @ 28 days for concrete sidewalk including base preparation/compaction.**

The quantity to be paid for shall be the actual area in sqaure meters of cast-in-place 100mm thick, 3000 psi ready mix concrete @ 28 days including base preparation/compaction to be supplied, delivered, and executed to site in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 2.8 **Saw and cut construction/contraction joint and application of asphalt sealer**

The quantity to be paid for shall be the actual length in meters of the construction/ contraction joint including the application of asphalt sealer in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

BILL NO. 3

DRAINAGE CONSTRUCTION (From Delpan Gate to Marcos Road Roadway Section Northside)

Item 3.1 **Drainage excavation to the design grade depth elevation.**

The quantity to be paid for shall be the actual volume in cubic meters of the Drainage excavation to the design grade and depth in accordance with the plans and as accepted by the Engineer. The contract unit price shall be full compensation for furnishing all labor, equipment, tools, and incidentals necessary to complete the work.

Item 3.2 Supply and place of 36" dia. R.C. Pipes (Class IV) including Mortar collar and sand bedding as indicated in the plan

The quantity to be paid for shall be the actual length in meters of the Class IV, 36" diameter RC Pipes including mortar and sand bedding to be installed as indicated in the plans and as accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 3.3 Concrete breaking for catch basin connection of MHA1 to existing manhole as indicated in the plan.

The quantity to be paid for shall be the actual concrete breaking in units of the catch basin connection of MHA1 to the existing manhole as indicated in the plans and as accepted by the Engineer. The contract unit price shall be full compensation for furnishing all labor, equipment or tools, and incidentals necessary to complete the work.

Item 3.4 Construction of Drainage Manhole with catch basin:

3.4.1 Drainage manhole (MHA-1) with catch basin (3,500psi Concrete) as indicated in the plan.

The quantity to be paid for shall be the actual number of drainage manholes (MHA-1) with a catch basin constructed using a 3500 psi concrete as indicated in the plans and specifications and as accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment or tools, and incidentals necessary to complete the work.

3.4.2 Drainage manhole (MHA-2) with catch basin (3,500psi Concrete) as I ndicated in the plan.

The quantity to be paid for shall be the actual number of drainage manholes (MHA-2) with a catch basin constructed using a 3500 psi concrete as indicated in the plans and specifications and as accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment or tools, and incidentals necessary to complete the work.

3.4.3 Drainage manhole (MHA-3) with catch basin (3,500psi Concrete) as indicated in the plan.

The quantity to be paid for shall be the actual number of drainage manholes (MHA-3) with a catch basin constructed using a 3500 psi concrete as indicated in the plans and specifications and as accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment or tools, and incidentals necessary to complete the work.

Item 3.5 **Backfilling, compaction, levelling to the design grade and disposal of excess soil materials.**

The quantity to be paid for shall be the actual work done for the backfilling, compaction and leveling to the design grade as indicated in the plans and specifications including the disposal of excess soil materials and as accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment or tools, and incidentals necessary to complete the work.

BILL NO. 4

DRAINAGE CONSTRUCTION (From Marcos Road to Slip-0 Access Road Roadway Section Southside)

Item 4.1 **Concrete Cutting**

The quantity to be paid for shall be the actual length in meters of the concrete cut to isolate adjacent structures from concrete breaking (pavement) as indicated in the plans and as accepted by the Engineer. The contract unit price shall be full compensation for furnishing all labor, equipment, tools, and incidentals necessary to complete the work.

Item 4.2 **Concrete breaking (250mm thk. pavement).**

The quantity to be paid for shall be the actual area in square meters of concrete breaking (250mm thick pavement) as indicated in the plans and as accepted by the Engineer. The contract unit price shall be full compensation for furnishing all labor, equipment, tools, and incidentals necessary to complete the work.

Item 4.3 **Excavation to the drainage system design grade depth.**

The quantity to be paid for shall be the actual volume in cubic meters of the material excavated for the design grade and depth of the drainage system as indicated in the plans and specifications and as accepted by the Engineer. The contract unit price shall be full compensation for furnishing all labor, equipment, tools, and incidentals necessary to complete the work.

Item 4.4 **Supply and place 36" dia. R.C. Pipes (Class IV) including Mortar collar and sand bedding as indicated in the plan**

The quantity to be paid for shall be the actual length in meters of the Class IV, 36" diameter RC Pipes to be supplied and placed including Mortar collar and sand bedding as indicated in the plans and specifications and as accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 4.5 **Construction of drainage manhole (MHA-2) @3,500psi concrete with catch basin as indicated in the plan**

The quantity to be paid for shall be the actual number of drainage manholes (MHA-2) with a catch basin constructed using a 3500 psi concrete as indicated in the plans and specifications and as accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment or tools, and incidentals necessary to complete the work.

Item 4.6 **Backfilling, compaction levelling to the design grade and disposal of excess soil materials.**

The quantity to be paid for shall be the actual work done for the backfilling, compaction and leveling to the design grade as indicated in the plans and specifications including the disposal of excess soil materials and as accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment or tools, and incidentals necessary to complete the work.

Item 4.7 **Supply and place 250mm thk. 3,500 psi, 3/4" @ 14 days ready mix concrete for concrete pavement restoration including reinforcing steel bars as indicated in the plan.**

The quantity to be paid for shall be the actual area in square meters of the 250mm thick, ¾" gravel, 3500 psi @ 14 days ready mix concrete for the concrete pavement to be supplied and placed on site including reinforcing steel bars as indicated in the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

FACILITIES TO BE PROVIDED FOR THE ENGINEER & HIS STAFF

RENTAL OF SITE OFFICE AND RESIDENCE FOR THE ENGINEER & STAFF

The Contractor shall provide a temporary site office and residence (rental) with an area of at least 48 square meters for use of the Engineer and his staff for the whole duration of the contract project.

MINIMUM MAJOR EQUIPMENT REQUIREMENTS

1-unit	Air compressor, 250 cfm, *Owned or Leased*
1-unit	Backhoe (0.40 cu.m., 94.3 hp), *Owned*
1-unit	Concrete Cutter, 5 Hp, *Owned*
1-unit	Concrete mixer, 1 Bagger, *Owned*
1-unit	Concrete screeder, *Owned or Leased*
1-unit	Concrete vibrator, 3.5 Hp, *Owned*
2-unit	Dump truck, 4.59-6.87 cu.m. Cap., *Owned*
1-unit	Forklift (1.36T), *Leased*
1-unit	jackhammer, *Owned or Leased*
1-unit	Oxy/Acetylene cutting outfit, *Owned*
1-unit	Plate compactor, vibratory (5hp), *Owned*
1-unit	Rebar Bender (Electric 25mmØ min.), *Owned*
1-unit	Rebar Cutter (Electric 25mmØ min.), *Owned*
1-unit	Road Roller (12.05T, vibratory), *Owned or Leased*
1-unit	Water truck (500-1,000 gal. Cap), *Owned or Leased*
1-unit	Welding machine (400 amp.), Gas or Diesel, *Owned*
1-unit	Backhoe Breaker attachment, *Owned or Leased*

CONSTRUCTION SAFETY AND HEALTH REQUIREMENT

The Contractor shall implement the construction safety and health program in accordance with the applicable provisions of the Occupational Safety and Health Standards (OSHS) of the Department of Labor and Employment (DOLE).

The Contractor, subject to the approval of the Engineer shall provide and maintain throughout the duration of the contract a medical room with at least 15 square meters together with all necessary supplies to be sited in the Contractor's main area.

The Contractor shall provide the following minimum requirements:

L A B O R

1	no.	Safety Engineer / Officer

EQUIPMENT / MATERIALS

Personnel Protective Equipment

16	pcs.	Hard Hats
6	pcs.	Safety Glasses/Goggles (clear)
16	pc.	Gloves (Cotton)
15	pairs	Safety Shoes
16	pcs.	Safety Vest
1	set	Welding Mask (Auto Darkening)
2,304	pcs.	Dust Mask (N95)

Safety Devices

1	lot	Barricades/Safety Nets
1	lot	Informative/Directional/Warning Signs
2	unit/s	Fire extinguisher (10kg)

Medical and First Aid System	-	7.33 mos.
Temporary shelter for workers	-	1 lot

NOTE:

The Contractor shall provide the above-cited minimum construction safety and health requirements or as required by the Engineer.

PPA MEMORANDUM CIRCULAR
No 02
Series of 2016
Attachment

Page 1 of 10

REVISED SCHEDULE OF MINIMUM TEST REQUIREMENTS OF CONSTRUCTION MATERIALS FOR PPA INFRASTRUCTURE PROJECTS

Materials/Items of Work	*Required Tests*	*Minimum Incremental Frequency of Tests*
I. Construction of Pier/Wharf, Platform and Ramp		
Structural Concrete (SC)		
A Portland Cement	Quality Test	For every 2,000 bags (40kg) or fraction thereof
B Fine Aggregate	Quality Test for Grading, Elutriation (wash), Bulk Specific Gravity, Absorption, Mortar Strength, Soundness, Organic Impurities, Unit Weight, % Clay Lumps and Shale	For every 1,500 cubic meter or fraction thereof
C Coarse Aggregate	Quality Test for Grading, Bulk Specific Gravity, Absorption and Abrasion	For every 1,500 cubic meter or fraction thereof
D Water	Certificate from the Engineer or Quality Test for Density and Chloride Content	One per source
E Steel Bars	Mill Certificate and Quality Test for Chemical Composition and Mechanical Properties	For every 10,000 kg or fraction thereof
F Concrete	Compressive Strength on cylinder samples	1 set consisting of 3 concrete cylinder samples shall be taken from each day's pouring and to represent not more than 75 cu m of concrete or fraction thereof
	Slump Test	For every mix
G Admixture and Concrete Curing Materials	Quality Test	One per shipment
Piling (P)		
A Concrete Piles	Fabrication Report	One per fabrication
1 Concrete	Same test as for SC (F)	Same frequency as SC (F)
2 Steel Bars	Same test as for SC (E)	Same frequency as SC (E)
3 High Tension Strand	Test for Chemical Composition and Mechanical Properties	For every 20000kg or fraction thereof

PPA MEMORANDUM CIRCULAR
No 02
Series of 2016
Attachment

Page 2 of 10

Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
4 Coarse Aggregates	Same Test as for SC (C)	Same frequency as SC (C)
5 Fine Aggregates	Same Test as for SC (B)	Same frequency as SC (B)
B Steel Pipe Piles	Fabrication Report, Mill Certificate and Quality Test for Chemical and Mechanical properties	One per fabrication
1 Steel	Chemical Composition (refer below)	
	- Under 14" (355 60mm) Outside Diameter	2 from 200 pipe of fraction thereof
	- 14" to 36" (355 6 to 914mm) Outside Dia	2 from 100 pipe or fraction thereof
	- Over 36" (914mm) Outside Diameter	2 from 3000ft (914m) or fraction thereof
	Mechanical/Tensile	One (1) tension test shall be made on one length or fraction thereof of each size, or one piece of skelp representing each lot of 200 lengths or fraction thereof of each size
2 Polyurethane Coating	Mill Certificate and Quality Test	One per fabrication
3 Concrete	Same test as for SC (F)	Same frequency as SC (F)
4 Fine Aggregate	Same test as for SC (B)	Same frequency as SC (B)
5 Coarse Aggregate	Same test as for SC (C)	Same frequency as SC (C)
6 Steel Bars	Same Test as SC (E)	Same frequency as SC (E)
7 Water	Same Test as SC (D)	Same frequency as SC (D)
Rubber Dock Fenders (RDF)	Physical Test	All units
	Performance Test for Energy Absorption and Reaction Force	All units
Accessories		
Washer and Fixing Bolt, Anchor Bolt	Physical Test	All units
	Quality Test for Chemical Composition and Mechanical Properties	One per fabrication

PPA MEMORANDUM CIRCULAR
No 02
Series of 2016
Attachment

Page 3 of 10

Materials/Items of Work	*Required Tests*	*Minimum Incremental Frequency of Tests*
Mooring Bollard (MB) and Accessories (Hexagon Nuts, Plain Washer, Anchor Ring and Anchor Bolt)	Physical Test Quality Test for Chemical Composition and Mechanical Properties	All Units One per fabrication
II. Construction of Back-Up Area, Causeway and Pavement Sheet Piling (SP) A Concrete Sheet Piles		
1 Concrete	Same test as for SC (F)	Same frequency as SC (F)
2 Steel Bars	Same test as for SC (E)	Same frequency as SC (E)
3 High Tension Strands	Same test as for P (A 3)	Same frequency as P (A 3)
4 Fine Aggregates	Same test as for SC (B)	Same frequency as SC (B)
5 Coase Aggregates	Same Test as for SC (C)	Same frequency as SC (C)
B Steel Pipe Piles		
1 Steel	Same test as for P (B1)	Same frequency as P (B1)
2 Concrete	Same test as for SC (F)	Same frequency as SC (F)
3 Fine Aggregate	Same test as for SC (B)	Same frequency as SC (B)
4 Steel Bars	Same test as for SC (E)	Same frequency as SC (E)

PPA MEMORANDUM CIRCULAR
No 02
Series of 2016
Attachment

Page 4 of 10

Materials/Items of Work	***Required Tests***	***Minimum Incremental Frequency of Tests***
Rocks	Test for Apparent Specific Gravity and Abrasion	For every 1,500 cubic meter or fraction thereof
Geotextile Filter	Physical and Mechanical Test Mill Certificate	One per batch One per batch
Sand and Gravel Fill	Quality Test for Organic Impurities and Grading	For every 1,500 cubic meter or fraction thereof
Selected Fill	Quality Test for Grading, Plasticity and Laboratory Compaction Test Laboratory California Bearing Ratio (CBR) Field Density Test	For every 1,500 cubic meter or fraction thereof For every 2,500 cubic meter or fraction thereof For every layer of 150mm of compacted depth at least one group of three in-situ density test for every 500 sq m or fraction thereof
Aggregate Base Course	Quality Test for Grading and Plasticity Quality Test for Grading, Plasticity, Abrasion and Laboratory Compaction Test Laboratory California Bearing Ratio (CBR) Field Density Test	For every 300 cubic meter or fraction thereof For every 1,500 cubic meter or fraction thereof Same frequency as Selected Fill Same frequency as Selected Fill
Portland Cement Concrete Pavement (PCCP) A Portland Cement B Fine Aggregate C Coarse Aggregate D Water E Steel Bars (Dowels) F Joint Filler	 Same test as for SC (A) Same test as for SC (B) Same test as for SC (C) Same test as for SC (D) Same test as for SC (E) Quality Test	 Same frequency as SC (A) Same frequency as SC (B) Same frequency as SC (C) Same frequency as SC (D) Same frequency as SC (E) One (1) per shipment

PPA MEMORANDUM CIRCULAR
No 02
Series of 2016
Attachment

Page 5 of 10

Materials/Items of Work	*Required Tests*	*Minimum Incremental Frequency of Tests*
G Admixture and Concrete Curing Material	Same test as for SC (G)	Same frequency as SC (G)
H Concrete	Same test as for SC (F)	Same frequency as SC (F)
	Flexural Test	3 beam samples for every 330 sq m or fraction thereof
I Completed Pavement	Core Test	1 set (3 specimen) for every 2,500 sq m and fraction thereof
Interlocking Concrete Blocks		
A Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregate	Same test as for SC (B)	Same frequency as SC (B)
C Coarse Aggregate	Same test as for SC (C)	Same frequency as SC (C)
D Water	Same test as for SC (D)	Same frequency as SC (D)
E Admixture & Concrete Curing Materials	Same test as for SC (G)	Same frequency as SC (G)
F Completed Blocks	Physical Test and Compressive Strength	6 blocks per day of fabrication
Cement Treated Base Course (CTB)		
A Portland Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine & Coarse Aggregates	Quality Test for Grading, Abrasion and Soundness	For every 1,500 cubic meter or fraction thereof
C Water	Same test as for SC (D)	Same frequency as SC (D)
D Completed CTB	Field Density Test	For every layer of 150mm of compacted depth at least one group of three in-situ density test every 500 sq m or fraction thereof
Retaining Wall/Coping Wall/RC Curb/RC Ditch/Shear Key/Concrete Blocks\Lean Concrete		
A Portland Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregate	Same test as for SC (B)	Same frequency as SC (B)

PPA MEMORANDUM CIRCULAR
No 02
Series of 2016
Attachment

Page 6 of 10

Materials/Items of Work	*Required Tests*	*Minimum Incremental Frequency of Tests*
C Coarse Aggregates	Same test as for SC (C)	Same frequency as SC (C)
D Water	Same test as for SC (D)	Same frequency as SC (D)
E Steel Bars	Same test as for SC (E)	Same frequency as SC (E)
F Admixture and Concrete Curing	Same test as for SC (G)	Same frequency as SC (G)
G Concrete	Same test as for SC (F)	Same frequency as SC (F)
Tie Rod		
A Steel	Same test as for SC (E)	One per batch
B Assembly	Performance Test (Tension)	One per batch
Tie Bars and Dowels	Same test as for SC (E)	For every 10,000 kg or fraction thereof per Tie bars and Dowels
Pipe Culverts and Storm Drains		
A Pipes	Test for Strength, Absorption and Physical	For every 50 pieces
B Mortar or Joint	Same Test as for SC (A,B and D) Alternative Test Same test as for SC (F) and Inspection Report	For every 25 pieces
Concrete Hollow Blocks		
A Portland Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregates	Same test as for SC (B)	Same frequency as SC (B)
C Water	Same test as for SC (D)	Same frequency as SC (C)
D Concrete	Same test as for SC (F)	Same frequency as SC (F)
E Completed CHB	Quality Test	One for every 500 pieces or fraction thereof
Construction Joints (CJ)		
A Angle Bars	Test for Physical and Mechanical Properties	One per batch
B Steel Bars	Same test as for SC (E)	One per batch
C Zinc (Hot Dip Galvanizing) Coatings	Physical Test for Appearance, Stripping, Weighing, Adherence and Adhesion	All units
	Coating Thickness Magnetic Thickness Measurement	1 set (3 specimen) for every 100,000 sq mm or fraction thereof

PPA MEMORANDUM CIRCULAR
No 02
Series of 2016
Attachment

Page 7 of 10

Materials/Items of Work	*Required Tests*	*Minimum Incremental Frequency of Tests*
Sacked Concrete		
A Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregates	Same test as for SC (B)	Same frequency as SC (B)
C Coarse Aggregates	Same test as for SC (C)	Same frequency as SC (C)
D Water	Same test as for SC (D)	Same frequency as SC (D)
E Concrete	Same test as for SC (F)	Same frequency as SC (F)
F Sack (jute)	Physical Test	One for every 50 pieces
Rubble Concrete		
A Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregates	Same test as for SC (B)	Same frequency as SC (B)
C Coarse Aggregates	Same test as for SC (C)	Same frequency as SC (C)
D Water	Same test as for SC (D)	Same frequency as SC (D)
E Concrete	Same test as for SC (F)	Same frequency as SC (F)
F Rocks	Same test as for ROCKS	Same frequency as ROCKS
Earthworks		
A Sub-grade preparation	Grading Test Plasticity Test (LL,PL,PI) Laboratory Compaction Test	For every 1,500 cubic meter or fraction thereof
	Density Test	For every layer of 150mm of compacted depth at least one group of three In-situ density test every 500 sq m or fraction thereof
B Structure Excavation	If excavated materials shall be used as Backfill Grading Test Plasticity Test (LL,PL,PI) Laboratory Compaction Test	For every 1,500 cubic meter or fraction thereof
	Density Test	For every layer of 150mm of compacted depth at least one group of three In-situ density test every 500 sq m or fraction thereof

PPA MEMORANDUM CIRCULAR
No 02
Series of 2016
Attachment

Page 8 of 10

Materials/Items of Work	*Required Tests*	*Minimum Incremental Frequency of Tests*
III Port Operations Building/Passenger Terminal Building/Transit Shed/Warehouse		
STRUCTURAL WORKS	Refer to Structural Concrete (SC) and Piling Works (P)	
ARCHITECTURAL WORKS		
Ceramic – Filled Liquid Membrane / Water Proofing, Hydrophobic Poreblocking Ingredients with Superplasticizer	Physical Property, Mechanical and Chemical Property, Leak Test / Flood Test	One per shipment
Paint	Quality Test	One 4-L can for every 100 cans or fraction thereof
Ceramic Tile	Inspection and Evaluation Report from the Engineer	One per shipment
Stainless Steel	Inspection and Evaluation Report from the Engineer	One per shipment
Roofing Materials	Inspection and Evaluation Report from the Engineer	One per shipment
Ceiling Materials	Inspection and Evaluation Report from the Engineer	One per shipment
ELECTRICAL AND MECHANICAL WORKS		
Wires / Cables	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per shipment
Electrical Devices	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per shipment
Fire Alarm System	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
Wiring Devices	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per shipment

PPA MEMORANDUM CIRCULAR
No 02
Series of 2016
Attachment

Page 8 of 10

Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
Protective Devices	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per shipment
Telephone System	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
CCTV System	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
CATV System	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
Background Music and Paging System	Inspection and Evaluation Report from the Engineer, Testing and Commissioning	One per item
Air Conditioning Units & Ventilation	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
Conduit Pipes	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
Lighting Fixtures	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
PLUMBING WORKS		
Pipes	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item

SECTION IX

CHECKLIST OF TECHNICAL AND FINANCIAL DOCUMENTS

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

☐ (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages)

Technical Documents

☐ (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**

☐ (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules; **and**

☐ (d) Special PCAB License in case of Joint Ventures;
and registration for the type and cost of the contract to be bid; **and**

☐ (e) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;
or
Original copy of Notarized Bid Securing Declaration; **and**

(f) Project Requirements, which shall include the following:

☐ a. Organizational chart for the contract to be bid;

☐ b. List of contractor's key personnel (*e.g.*, Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data;

☐ c. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be; **and**

☐ (g) Original duly signed Omnibus Sworn Statement (OSS);
and if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

☐ (h) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC).

Class "B" Documents

☐ (i) If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR in case the joint venture is already in existence;
or
duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

II. FINANCIAL COMPONENT ENVELOPE

☐ (j) Original of duly signed and accomplished Financial Bid Form; **and**

Other documentary requirements under RA No. 9184

☐ (k) Original of duly signed Bid Prices in the Bill of Quantities; **and**

☐ (l) Duly accomplished Detailed Estimates Form, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid; **and**

☐ (m) Cash Flow by Quarter.

Bid Form for the Procurement of Infrastructure Projects

[shall be submitted with the Bid]

BID FORM

Date : _____

Project Identification No. : _____

To: **Philippine Ports Authority**
PPA Building, Bonifacio Drive,
South Harbor, Port Area, Manila

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers _____, the receipt of which is hereby duly acknowledged, we, the undersigned, declare that:

a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: **Road Pavement and Drainage Rehabilitation along Delpan-Isla Puting Bato (IPB) Roadway at Slip-0, North Harbor, Tondo, Manila:**

b. We offer to execute the Works for this Contract in accordance with the PBDs;

c. The total price of our Bid in words and figures, excluding any discounts offered below is: _____;

d. The discounts offered and the methodology for their application are: _____;

e. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties],* which are itemized herein and reflected in the detailed estimates,

f. Our Bid shall be valid within the period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;

g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of _____ percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines[1] for this purpose;

h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;

i. We understand that this Bid, together with your written acceptance thereof included

[1] currently based on GPPB Resolution No. 09-2020

in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and

j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.

k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the **Road Pavement and Drainage Rehabilitation along Delpan-Isla Puting Bato (IPB) Roadway at Slip-0, North Harbor, Tondo, Manila** of the **Philippine Ports Authority**.

l. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Date: _____

STATEMENT OF THE BIDDER'S ALL ONGOING GOVERNMENT AND PRIVATE CONTRACTS, INCLUDING CONTRACTS AWARDED BUT NOT YET STARTED

I hereby declare that all ongoing contracts, including awarded contracts yet to be started coinciding with the contract to be bid are listed below:

Name of outstanding Contracts 1]	Owner's Name and Address	Scope of Work 2]	Contractor's Role and Percentage of Participation 3]	Total Contract Amount or Value 4]	Date of Contract and NOA 5]	Value of Outstanding Works 6]	Accomplishment (in percentage, %) 7]		Contract Duration 8]	
							Planned	Actual	Start of Project	Estimated Completion Date
A) Government Contracts i. On-going ii. Awarded but not yet started B) Private Contracts i. On-going ii. Awarded but not yet started										

NOTE:

1] As appearing in the contract executed by the parties.
2] With special reference to the Scope of Works of the Project as described/enumerated in the Contract.
3] Indicate the percentage of participation and whether as Sole Contractor, Sub-Contractor or Member in a Joint Venture / Consortium.
4] Indicate the FOREX used if Contract Value is expressed in a currency other than the Philippine Peso.
5] As appearing in the Contract and Notice of Award (NOA).
6] Amount or value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started coinciding with the contract to be bid.
7] Percentage of Accomplishment as of the preceding month which should not be earlier than two (2) months from the date of bid submission.
8] As appearing in the Notice to Proceed and Contract.

This Statement shall be supported by:

a) Notice of Award
b) Notice to Proceed and Contract

Name of Firm	Name of Bidder/Authorized Representative (Signatory's Legal Capacity)	Date

Revised: September 2021

STATEMENT OF THE BIDDER'S SINGLE LARGEST COMPLETED CONTRACT (SLCC) SIMILAR TO THE CONTRACT TO BE BID

Name of the completed Contract 1]	Owner's Name and Address	Scope of Work 2]	Contractor's Role and Percentage of Participation 3]	Total Contract Value At 4]			Date of Award 5]	Contract Duration 6]	
				Award	Completion	Escalated Value to Present Prices		Start	Completed

NOTE :

1] As appearing in the contract executed by the parties.
2] With special reference to the Scope of Works of the Project as described/enumerated in the Contract.
3] Indicate the percentage of participation and whether as Sole Contractor, Sub-Contractor or Member in a Joint Venture / Consortium.
4] Indicate the FOREX used if Contract Value is expressed in a currency other than the Philippine Peso. Attached the computation for the escalated contract value.
5] As appearing in the Notice of Award.
6] As appearing in the Notice to proceed and Certificate of Completion.

A. The bidder must have an experience of having completed a SLCC that is similar to the contract to be bid equivalent to at least fifty percent (50%) of the ABC, adjusted if necessary, by the Bidder to current prices using the PSA consumer price indices. A contract is considered to be "similar" to the contract to be bid if it has the same Major Categories of Work as stated in the Bid Data Sheet (BDS).

B. This Statement shall be supported by:
   a. Notice of Award, Notice to Proceed and Contract.
   b. Project Owner's Certificate of Final Acceptance issued by the owner and/ or Constructors Performance Evaluation System (CPES) Final Rating, which must be at least Satisfactory. The said Certificate of Acceptance shall contain the following: 1) Name of project owner that issued the certificate, 2) Name of Contractor/ Constructor, 3) Name of Contract, and 4) Contract Duration.
   c. Recapitulation or Final Bill of Quantities.

Name of Firm	Name of Bidder/Authorized Representative (Signatory's Legal Capacity)	Date

Revised: September 2021

STATEMENT OF THE BIDDER'S EXPERIENCE ON MAJOR CATEGORIES OF WORK OF THE SLCC INCLUDING OTHER COMPLETED CONTRACTS SIMILAR TO THE CONTRACT TO BE BID

Major Categories of Work 1]	Unit of Measure 1]	Quantity 1]	SLCC similar to the contract to be bid 2]	Other completed contracts similar to the contract to be bid 2]			Unit of Measure 2]	Quantity 2]
			Name of the contract	Name of the contract	Name of the contract	Name of the contract		
1. Construction of Concrete Road Pavement	sq.m.	1,224.92						
2. Construction of Drainage System	lin.m.	172.53						

NOTE:
1] As stated in the Bid Data Sheet.
2] As appearing in the Recapitulation and/ or Final Bill of Quantities.
This statement shall be supported by:

a. Notice of Award, Notice to Proceed and Contract.
b. Project Owner's Certificate of Final Acceptance issued by the owner and/ or Constructors Performance Evaluation System (CPES) Final Rating, of at least satisfactory. The said Certificate of Acceptance shall contain the following: 1) Name of project owner that issued the certificate, 2) Name of Contractor/Constructor, 3) Name of Contract, and 4) Contract Duration.
c. Recapitulation and/ or Final Bill of Quantities.

Name of Firm

Name of Bidder/Authorized Representative
Signatory's Legal Capacity

Date

Revised: September 2021

FINANCIAL DATA

A. The prospective bidder's audited Financial Statements, showing, among others, the prospective bidder's total and current assets and liabilities, stamped "RECEIVED" by the Bureau of Internal Revenue (BIR), or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission.

	Year
1. Total Assets	
2. Current Assets	
3. Total Liabilities	
4. Current Liabilities	
5. Net worth (1-3)	
6. Net Working Capital (2-4)	

B. The computation of the bidders Net Financial Contracting Capacity (NFCC) must be at least equal to the ABC to be bid, as follows:

NFCC = [(Current assets minus current liabilities) (15)] minus the value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started coinciding with the contract to be bid.

NFCC = _____

Attached herewith are certified true copies of the audited financial statements stamped received by the BIR or BIR authorized collecting agent for the latest/immediately preceding calendar year.

_____
Name of Firm/Applicant

_____
Authorized Signing Official

Date:_____

NOTES:

If Partnership or Joint Venture, each Partner or Member Firm of Joint venture shall submit separate financial statements.

STATEMENT OF THE BIDDER'S KEY PERSONNEL PLEDGED FOR THE CONTRACT TO BE BID

I hereby declare that the following key personnel are qualified and available for the duration of the contract to be bid:

Position of Key Personnel 1]	Name	No. of Key Personnel	Similar Experience in the Position (Years) 2]	Total Experience In the Position (Years)	Attachment(s)	Annex(es)
Project Manager					PRC License (CE Preferred) Complete Qualification and Experience Data Certificate of Commitment	Annex "_"
Project Engineer					PRC License (CE Preferred) Complete Qualification and Experience Data Certificate of Commitment	Annex "_"
Materials Engineer I					PRC License (CE Preferred) Submit Valid and Renewed DPWH Certificate of Accreditation Submit Accreditation Identification Card as Materials Engineer Complete Qualification and Experience Data Certificate of Commitment	Annex "_"
Construction Safety and Health Officer					Certificate of Safety and Health Construction Related Course issued by DOLE Accredited Trainings Complete Qualification and Experience Data Certificate of Commitment	Annex "_"
Foreman					Complete Qualification and Experience Data Certificate of Commitment	Annex "_"
Other Position(s)					Complete Qualification and Experience Data Certificate of Commitment	Annex "_"

NOTE: 1] As stated in the Bid Data Sheet
2] The number of years of experience of the key personnel shall be as indicated in the qualification and experience data or curriculum vitae.

Minimum qualification requirements: The key personnel must have a work experience that is similar in nature and complexity to the contract to be bid.

Project Manager - Five (5) years
Project Engineer - Three (3) years
Foreman - Five (5) years
Construction Safety and Health Officer – One (1) year
Materials Engineer – One (1) year
Materials Engineer I – for projects costing up to 100M
Materials Engineer II – for projects costing more than 100M

Name of Firm

Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

Date

Revised: September 2021

STATEMENT OF THE BIDDER'S EQUIPMENT PLEDGED FOR THE CONTRACT TO BE BID

I hereby declare that the following equipment are in good operating condition and available for the duration of the contract to be bid:

DESCRIPTION (Type, Model, Make)	No. of Unit(s)	Capacity/ Output 1]	Owned, Leased, and/or under purchased agreement 2]	Proof of Ownership/ Leased/ Under Purchase Agreement (Mark as Annex "A.....Z") 3]	OTHER INFORMATION (As Applicable)				
					Manufacturer	Engine Serial No.	Chassis No./ Name of Vessel	Location	Status

NOTE:

1] The unit of capacity of the pledged equipment shall be as indicated in the Proof of Ownership, i.e. GW (for crane barge), DWT (for deck barge and hopper barge), Ton (for crane, road roller and drop hammer), kg.-m/blow (for diesel hammer), cu.m. (for dump truck), hp (for tugboat, road grader, bulldozer and concrete vibrator), cfm (for compressor), gal (for water truck with pump), amp (for welding machine), bagger (for concrete mixer). If the capacity of the pledged equipment is not indicated in the Proof of Ownership/Leased Contract/Purchased Agreement, submit other proof of capacity such as specifications, brochures or other verifiable printouts indicating the model name, model number and other details of the equipment.

2] Indicate if the pledged equipment are owned, leased or under purchase agreement.

3] If the pledged equipment is owned, it should be in the name of the bidder. Submit proof of ownership, i.e. deed of sale, sales invoice, official receipt; For owned Water Truck, Dump Truck and Transit Mixer submit LTO Certificate of Registration and valid Official Receipt; For owned barge/tugboat, submit Marina Certificate of Ownership and valid Cargo Ship Safety Certificate.

If the pledged equipment is leased/under purchased agreement, submit the following:

For equipment under lease agreement:

a. certification of availability of equipment from the equipment lessor for the duration of the project
b. duly Notarized copy of lease contract
c. For Water Truck, Dump Truck, Cargo Truck and Transit Mixer submit LTO Certificate of Registration and valid Official Receipt

For equipment under purchase agreement:

a. certification of availability of equipment from the equipment vendor
b. duly Notarized copy of purchase agreement
d. For Water Truck, Dump Truck, Cargo Truck and Transit Mixer submit LTO Certificate of Registration and valid Official Receipt or copy of conduction sticker, whichever is applicable.

If the pledged barge/tugboat is leased/under purchase agreement, submit certification of availability of barge/tugboat from the equipment lessor/vendor for the duration of the project, and duly Notarized copy of leased contract/purchased agreement together with a copy of the Marina Certificate of Ownership and valid Cargo Ship Safety Certificate.

The Minimum Major Equipment Requirements are listed in Section 8, Annex 3.

Name of Firm	Name of Bidder/Authorized Representative (Signatory's Legal Capacity)	Date

Omnibus Sworn Statement for Sole Proprietorship

[shall be submitted with the Bid]

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT

I, _____, of legal age, [Civil Status], [Nationality], and residing at _____, after having been duly sworn in accordance with law, do hereby depose and state that:

1. I am the sole proprietor or authorized representative of _____ with office address at _____;

2. As the owner and sole proprietor, or authorized representative of _____, I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for **Road Pavement and Drainage Rehabilitation along Delpan-Isla Puting Bato (IPB) Roadway at Slip-0, North Harbor, Tondo, Manila** of the **Philippine Ports Authority**, as shown in the attached duly notarized Special Power of Attorney;

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, **by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;**

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. The owner or sole proprietor is not related to the Head of the Procuring Entity, Procuring Agent if engaged, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and

8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:

   a. Carefully examining all of the Bidding Documents;
   b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
   c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
   d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.

9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

10. **In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.**

IN WITNESS WHEREOF, I have hereunto set my hand this __ day of ___, 20__ at _____, Philippines.

_____
Name of Bidder/ Authorized Representative
(Signatory's Legal Capacity)
AFFIANT

[Jurat]
[Format shall be based on the latest Rules on Notarial Practice]

Omnibus Sworn Statement for Partnership or Cooperative

[shall be submitted with the Bid]

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT

I, _____, of legal age, [Civil Status], [Nationality], and residing at _____, after having been duly sworn in accordance with law, do hereby depose and state that:

1. I am the duly authorized and designated representative of _____ with office address at _____;

2. I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for **Road Pavement and Drainage Rehabilitation along Delpan-Isla Puting Bato (IPB) Roadway at Slip-0, North Harbor, Tondo, Manila** of the **Philippine Ports Authority**, as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable;)];

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, **by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;**

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. None of the officers and members of *[Name of Bidder]* is related to the Head of the Procuring Entity, Procuring Agent if engaged, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and

8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:

   a. Carefully examining all of the Bidding Documents;
   b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
   c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
   d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.

9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

10. **In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.**

IN WITNESS WHEREOF, I have hereunto set my hand this __ day of ___, 20__ at _____, Philippines.

_____
Name of Bidder/ Authorized Representative
(Signatory's Legal Capacity)
AFFIANT

[Jurat]
[Format shall be based on the latest Rules on Notarial Practice]

Omnibus Sworn Statement for Corporation or Joint Venture

[shall be submitted with the Bid]

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT

I, _____, of legal age, [Civil Status], [Nationality], and residing at _____, after having been duly sworn in accordance with law, do hereby depose and state that:

1. I am the duly authorized and designated representative of _____ with office address at _____;

2. I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for **Road Pavement and Drainage rehabilitation along Delpan-Isla Puting Bato (IPB) Roadway at Slip-0, North Harbor, Tondo, Manila**, as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable;)];

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, **by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;**

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. None of the officers, directors, and controlling stockholders of *[Name of Bidder]* is related to the Head of the Procuring Entity, Procuring Agent if engaged, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and

8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:

   a. Carefully examining all of the Bidding Documents;
   b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
   c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
   d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.

9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

10. **In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.**

IN WITNESS WHEREOF, I have hereunto set my hand this __ day of ___, 20__ at _____, Philippines.

_____
Name of Bidder/ Authorized Representative
(Signatory's Legal Capacity)
AFFIANT

[Jurat]
[Format shall be based on the latest Rules on Notarial Practice]

Bid Securing Declaration Form

[shall be submitted with the Bid if bidder opts to provide this form of bid security]

REPUBLIC OF THE PHILIPPINES)
CITY OF _____) S.S.

BID SECURING DECLARATION
Project Identification No.: _____

To: **Philippine Ports Authority**
PPA Building, Bonifacio Drive,
South Harbor, Port Area, Manila

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.

2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f),of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.

3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:

   a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
   b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
   c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this ____ day of *[month] [year]* at *[place of execution]*.

_____
Name of Bidder/ Authorized Representative
(Signatory's Legal Capacity)
AFFIANT

[Jurat]
[Format shall be based on the latest Rules on Notarial Practice]

CONSTRUCTION METHODOLOGY

Name of Project : _____

Project Description : _____

Location : _____

Rehabilitation of 185-M Roadway Pavement (From Delpan Gate to Marcos Road Roadway Section)

- Concrete breaking
- Excavation, Hauling and Disposal of excavated concrete debris.
- Base preparation, leveling and Compaction to design grade to include the levelling surface course.
- Supply and cast-in-place 300mm thick of 3500 psi, 3/4" @ 14 days Ready mix concrete for road pavement including formworks and construction joint dowel as indicated in the plan.
- Supply and install pavement expansion joint as indicated in the plan
- Supply and cast-in place 3500 psi, 3/4" @ 14 days Ready mix concrete for curbs and gutter including rebars and forms work as indicated in the plan.
- Supply and cast-in place 100mm thk. 3,000 psi ready-mix concrete @ 28 days for concrete sidewalk including base preparation/ compaction..
- Saw and cut construction/contraction joint and application of asphalt sealer

Drainage Construction (From Delpan Gate to Marcos Road Roadway Section - Northside)

Drainage Construction (From Marcos Road to Slip-0 Access Road Roadway Section- Southside)

NOTES:

The narrative construction method will guide and familiarize the contractor and the PPA on how the project shall be carried out in accordance with the highest standard of workmanship.

The construction method shall be consistent with the Bar Chart / S-Curve Schedule, Equipment Schedule and Manpower Schedule.

_____
Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

MANPOWER SCHEDULE

Name of Project : _____

Project Description : _____

Location : _____

MANPOWER (Minimum)	CONTRACT DURATION (_____ Calendar Days)																		
	MONTHLY																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Project Manager																				
Project Engineer																				
Materials Engineer I																				
Construction Safety and Health Officer																				
Foreman																				
Specify other applicable positions, ie.:																				
- Carpenter																				
- Steelman																				
- Mason																				
- Electrician																				
- Rigger																				
- Others																				

_____
Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

Revised: September 2021

EQUIPMENT UTILIZATION SCHEDULE

Name of Project : _____

Project Description : _____

Location : _____

EQUIPMENT (Minimum)	No. of Units	CONTRACT DURATION (____ Calendar Days)																		
		MONTHLY																		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

_____
Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

CASHFLOW BY QUARTER AND PAYMENT SCHEDULE

Name of Project: : _____

Project Description : _____

Location : _____

Project Duration (days or months)	Payment Schedule (Monthly, in Pesos)	Cash flow (Quarterly, in Pesos)
TOTAL		

NOTES

- The cash flow by quarter and payment schedule should be consistent with the Bar Chart and S-curve.
- Payment schedule shall not be more than once a month.

_____
Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

Revised: September 2021

Contract Agreement Form for the Procurement of Infrastructure Projects (Revised)

[not required to be submitted with the Bid, but it shall be submitted within ten (10) days after receiving the Notice of Award]

CONTRACT AGREEMENT

THIS AGREEMENT, made this _____ day of _____, _____ between **Philippine Ports Authority** with principal office at PPA Building, Bonifacio Drive, South Harbor, Port Area, Manila (hereinafter called the "Entity") and **[name and address of Contractor]** (hereinafter called the "Contractor").

WHEREAS, the Entity is desirous that the Contractor execute **[name and identification number of contract]** (hereinafter called "the Works") and the Entity has accepted the Bid for **[contract price in words and figures in specified currency]** by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.

2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as part of this Agreement, *viz.*:

   a. Philippine Bidding Documents (PBDs);
      i. Drawings/Plans;
      ii. Specifications;
      iii. Bill of Quantities;
      iv. General and Special Conditions of Contract;
      v. Supplemental or Bid Bulletins, if any;

   b. Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

   Bid form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted (*e.g.*, Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;

   c. Performance Security;

   d. Notice of Award of Contract and the Bidder's conforme thereto; and

e. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. **Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.**

3. In consideration for the sum of **[total contract price in words and figures]** or such other sums as may be ascertained, **[Named of the bidder]** agrees to **[state the object of the contract]** in accordance with his/her/its Bid.

4. The **Philippine Ports Authority** agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

JAY DANIEL R. SANTIAGO General Manager	**Name of Bidder/ Authorized Representative** (Signatory's Legal Capacity)
for:	for:
Philippine Ports Authority	**Contractor**

Acknowledgment

[Format shall be based on the latest Rules on Notarial Practice]