



JUL 22 2026

HON. IMELDA CALIXTO-RUBIANO

City Mayor

CITY GOVERNMENT OF PASAY

Pasay City Hall, F.B. Harrison St.

Pasay City, Metro Manila

SUBJECT : AMENDMENT OF THE ECC OF THE 360-HECTARE PASAY RECLAMATION PROJECT (ECC-CO-1601-0003): CONSTRUCTION OF CONNECTING BRIDGES

Dear **Mayor Calixto-Rubiano**:

This refers to your request for the further amendment of the Environmental Compliance Certificate (ECC) with Reference No. ECC-CO-1601-0003 issued for the 360-hectare Pasay Reclamation Project located along the coast of Manila Bay, City of Pasay. The proposed amendment seeks to include the construction of connecting bridges between the reclaimed islands and the mainland as additional project components.

After satisfactory compliance with all the requirements for the application and upon the recommendation of the Environmental Impact Assessment Review Committee (EIARC), the ECC with Reference No. ECC-CO-1601-0003 is hereby further amended to include the following connecting bridges as additional project components of the 360-hectare Pasay Reclamation Project:

1. Bridges connecting reclamation islands and mainland

Bridge ID	Details/specifications	Geographical Coordinates ¹ (WGS 84)
Bridge No. 3 (formerly named as Bridge 1)	- Type: Beam Bridge - Length: ±514.9 m - Width: ±32 m - Number of lanes: 6 lanes (3 lanes per direction) - Number of bike lanes: 2 (1 lane per direction)	- Point A: 14°33'05.2963"N, 120°58'30.7426"E - Point B: 14°33'06.3301"N, 120°58'30.4419"E - Point C: 14°33'18.18"N, 120°58'38.81"E - Point D: 14°33'18.59"N, 120°58'40.17"E
Bridge No. 4 (formerly named as Bridge 2)	- Type: Beam Bridge - Length: ±490.87 m - Width: ±37 m - Number of lanes: 8 lanes (4 lanes per direction) - Number of bike lanes: 2 (1 lane per direction)	- Point A: 14°32'47.6650"N, 120°58'35.8702"E - Point B: 14°32'48.8484"N, 120°58'35.5260"E - Point C: 14°32'56.4473"N, 120°58'50.09584"E

¹ Hereto attached is a map showing the locations of the bridges with respect to the 360 ha Pasay Reclamation Project



2658-6207-812256

Bridge ID	Details/specifications	Geographical Coordinates ¹ (WGS 84)
		Point D: 14°32'55.0775"N, 120°58'50.4143"E
Bridge No. 5 (formerly named as Temporary Access Bridge 1)	- Type: Beam Bridge - Length: ±474.35 m - Width: ±21 m - Number of lanes: 4 lanes (2 lanes per direction) - Number of bike lanes: 2 (1 lane per direction)	- Point A: 14°32'40.0904"N 120°58'38.0730"E - Point B: 14°32'40.7500"N, 120°58'37.8811"E - Point C: 14°32'46.1468"N 120°58'52.7231"E - Point D: 14°32'45.4816"N 120°58'52.8996"E
Bridge No. 7 (formerly named as Bridge 3)	- Type: Beam Bridge - Length: ±263.55 m - Width: ±32 m - Number of lanes: 6 lanes (3 lanes per direction) - Number of bike lanes: 2 (1 lane per direction)	- Point A: 14°32'22.4506"N, 120°58'35.4546"E - Point B: 14°32'23.5775"N, 120°58'35.4171"E - Point C: 14°32'27.1210"N, 120°58'43.4280"E - Point D: 14°32'25.9994"N, 120°58'43.4776"E
Pedestrian Bridge W	- Type: Beam Bridge - Length: ±348.17 m - Width: ±32 m	- Point A: 14°32'5.0428"N, 120°58'36.0346"E - Point B: 14°32'6.0835"N, 120°58'35.9999"E - Point C: 14°32'6.4134"N, 120°58'44.2415"E - Point D: 14°32'5.3729"N, 120°58'44.2817 "E
Bridge No. 9 (formerly named as Bridge 4)	- Type: Beam Bridge - Length: ±252.23 m - Width: ±32 m - Number of lanes: 6 lanes (3 lanes per direction) - Number of bike lanes: 2 (1 lane per direction)	- Point A: 14°31'53.0559"N, 120°58'36.5680"E - Point B: 14°31'54.1362"N, 120°58'36.5172"E - Point C: 14°31'52.2798"N, 120°58'44.7266"E - Point D: 14°31'51.2028"N, 120°58'44.7625"E



2. Inter-Island Bridges connecting Islands A, B and C

Bridge ID	Details/specifications	Geographical Coordinates (WGS 84)
Bridge 10 (formerly named as Bridge 6)	• Type: Beam Bridge • Length: ±184.16 m • Width: ±37 m • Number of lanes: 8 lanes (4 lanes per direction) • Number of bike lanes: 2 (1 lane per direction)	• Point A: 14°32'24.0401"N, 120°57'54.6102"E • Point B: 14°32'24.3317"N, 120°57'55.8158"E • Point C: 14°32'18.4013"N, 120°57'56.6950 "E • Point D: 14°32'18.1093"N, 120°57'55.4896"E
Bridge 11	• Type: Beam Bridge • Length: ±183.15 m • Width: ±32 m • Number of lanes: 6 lanes (3 lanes per direction) • Number of bike lanes: 2 (1 lane per direction)	• Point A: 14°32'28.2006"N, 120°58'11.8167"E • Point B: 14°32'28.4516"N, 120°58'12.8552"E • Point C: 14°32'22.6112"N, 120°58'14.0704"E • Point D: 14°32'22.3596"N, 120°58'13.0321"E
Bridge 12 (formerly named as Bridge 5)	• Type: Beam Bridge • Length: ±183.77 m • Width: ±32 m • Number of lanes: 6 lanes (3 lanes per direction) • Number of bike lanes: 2 (1 lane per direction)	• Point A: 14°32'30.7376"N, 120°58'22.3103"E • Point B: 14°32'30.9893"N, 120°58'23.3512"E • Point C: 14°32'25.0730"N, 120°58'24.2626"E • Point D: 14°32'24.8272"N, 120°58'23.2196"E

The conditions set under the ECC with Reference No. ECC-CO-1601-0003 and its amendment dated 13 March 2025 shall remain enforced and be strictly complied with, along with the following revised and supplemental conditions:

A. Conditions based on the CIA recommendations of the 2024 Cumulative Impact Assessment (CIA) of Reclamation on the Rehabilitation of Manila Bay Report²:

1. ECC Condition No. 1 of the ECC-CO-1601-0003 is hereby revised to:

The proponent shall coordinate with the Manila Bay Coordinating Office (MBCO) on the need to update the Coastal Ecosystem Management Plan/Program. The needed updating program shall be consistent with the following:

² A DENR funded project conducted by the Marine Environment and Resources Foundation, Inc.



- a. Operational Plan for the Manila Bay Coastal Strategy;
- b. Continuing Supreme Court Mandamus on Manila Bay; and
- c. The City of Pasay related rules and regulations.

Report or documentation of such coordination and updating, if required, shall be submitted to EMB Central Office thirty (30) days after such coordination or updating.

2. ECC Condition No. 2 of the ECC-CO-1601-0003 is hereby revised to:

The proponent shall implement an updated effective Information, Education, and Communication (IEC) Program, to inform and educate all stakeholders, especially its contractors, workers, LGUs concerned, and local residents about the following:

- a. Mitigating measures embodied in its EPRMP, the conditions stipulated in this ECC and the environmental and human safety features of the project for greater awareness, understanding, and sustained acceptance of the project;
- b. Biodiversity conservation and protection measures;
- c. Current environmental concerns in the Manila Bay projects;
- d. Disaster risk reduction management measures and climate change-related issues/concerns, particularly on flooding, storm surge and tsunami; and
- e. Updates on the reclamation plans and implementation status.

A status report on the implementation of the IEC Program shall be submitted to the EMB CO as part of the semi-annual Online Compliance Monitoring Report (CMR).

3. ECC Condition No. 3 of the ECC-CO-1601-0003 is hereby revised to:

The proponent shall coordinate with the Philippine Reclamation Authority (PRA) and the Manila Bay Coordinating Office (MBCO) on the need to update the detailed Social Development Program. The status report on the implementation of the detailed SDP shall likewise be submitted to the EMB CO as part of the semi-annual Online CMR.

4. ECC Condition No. 2 of the amendment issued on 13 March 2025 is hereby revised to:

The Proponent shall conduct daily visual inspections of all areas potentially affected by sediment plume dispersion, consistent with the results of the hydrodynamic study conducted. The Proponent shall document the extent, direction, and characteristics of visible turbidity plumes and compare these observations with the predicted model outputs. Any exceedance or deviation from the modeled plume behavior shall trigger immediate investigation and corrective action. A copy of visual findings shall be submitted as part of the CMR.

5. ECC Condition No. 5 of the ECC-CO-1601-0003 is hereby revised to:

In order to address concerns on flooding, the proponent shall strictly comply with the following:



- a. Design, construct, and maintain an adequate stormwater drainage and flood control system. The proponent shall ensure that the system is designed to accommodate increased water levels and runoff associated with extreme weather events and climate variability;
 - b. In designing or updating the drainage system, the Proponent, in coordination with the Department of Public Works and Highways, shall ensure that all factors have been considered such as the integrity and natural flow of rivers and waterways from upstream to downstream and from inland areas to the coast, ensuring that project activities will not obstruct natural water flow or aggravate flooding in adjacent and downstream communities; and
 - c. The drainage and flood control measures shall ensure effective stormwater management, prevent flooding within the project site and surrounding areas, and protect receiving water bodies from siltation, sedimentation, and physico-chemical/marine pollution.
6. ECC Condition No. 11 of the of the amendment issued on 13 March 2025 is hereby revised to:

The Proponent shall establish and implement a regular maintenance program for the inspection and dredging of channels, waterways, and other areas within the project site that are prone to sediment accumulation. The disposal site for the dredged material shall be covered by a separate ECC and/or permits from the relevant government agencies. Proof of implementation shall be submitted to EMB Central Office through the semi-annual online CMR.

7. The Proponent shall implement an operational water quality monitoring program utilizing remote sensing (RS) methods to monitor Total Suspended Solids (TSS)/Total Suspended Matter (TSM) during dredging and reclamation activities in coordination with the Philippine Reclamation Authority (PRA). The monitoring program shall be designed to detect and track increases in suspended sediments and potential water quality deterioration within the project area and adjacent waters.

To ensure the accuracy and reliability of satellite-derived water quality data, the Proponent shall regularly conduct ground-truthing and field validation activities, including in-situ water quality sampling and measurements. The results of such validation activities shall be used to calibrate and improve the satellite-based monitoring outputs. Monitoring results and corresponding analyses shall be submitted to the EMB as part of the Proponent's semi-annual Online CMR.

8. The Proponent shall ensure the proper management, regular removal, and disposal of floating wastes (including domestic wastes), debris, construction materials, sheet piles, and other obstructions within the project site, waterways, and channels to maintain the unimpeded flow and circulation of water. The Proponent shall likewise prioritize measures that enhance water flushing and circulation within the reclamation areas, including the provision and maintenance of adequate channels or similar hydraulic pathways, to prevent stagnation and obstruction of natural water movement.



Regular inspection and clearing of waterways and channels shall be undertaken throughout the construction phase to ensure that project activities do not cause blockage of water circulation, deterioration of water quality, or accumulation of floating wastes and debris within and adjacent to the project site.

9. The Proponent shall ensure the protection, conservation, and enhancement of existing mangrove areas adjacent to the project site through the conduct Biodiversity Assessment and Monitoring System/ Program, as well as analyses in coordination with the Biodiversity Management Bureau (BMB) during the project implementation. The same shall be pursuant to BMB Technical Bulletin 2019-04 and succeeding issuances related to coastal and marine management. Proof and status of implementation of which shall be reported to EMB Central Office through the semi-annual Online CMR submission.

B. Supplemental conditions

Environmental Management

10. The Proponent shall implement the Environmental Management and Monitoring Plan commitments provided in the approved updated EPRMP to ensure that adverse environmental impacts during project implementation and operation are effectively mitigated. Implementation of which shall be submitted to EMB through the semi-annual CMR Online platform.

11. Condition No. 3 of the ECC amendment dated 13 March 2025 is hereby revised to:

The Proponent shall conduct a comparative hydrodynamic analysis to assess the existing and projected water circulation patterns, tidal exchange, current velocities, flushing characteristics, and sediment transport dynamics within and adjacent to the project area, covering conditions before and after the implementation of the reclamation project. The results, together with corresponding mitigation measures, if necessary, shall be submitted to this Office for review and assessment within sixty (60) days from the completion of the study.

12. The Proponent shall provide and maintain appropriate slope protection and stabilization measures at all bridge landing sites to prevent soil erosion, minimize surface runoff, and control sediment transport into adjacent water bodies.
13. The Proponent shall ensure that all stockpiles associated with the construction of connecting bridges between the reclaimed islands and the mainland are placed only in designated staging areas away from coastal waters, drainage outfalls, and tidal channels. Appropriate containment and protection measures, such as perimeter bunding, silt traps, temporary retaining barriers, and protective covering, shall be installed and maintained to prevent erosion, runoff, and sediment discharge into Manila Bay, particularly during rainfall events and tidal fluctuations.



Restriction

14. The proposed connecting bridge(s) between the reclaimed land and the mainland shall not impede, obstruct, or compromise the implementation of the Office of Civil Defense (OCD) Oplan Metro Yakal and other applicable national and local disaster contingency plans, particularly with respect to emergency evacuation, search and rescue, emergency response, and the movement of personnel, equipment, and relief goods.
15. The Project shall be implemented in accordance with the approved Reclamation and Development Plan (RDP) of the Philippine Reclamation Authority (PRA). Any modification or deviation from the approved RDP that may result in changes to the project design, configuration, development phasing, reclamation methodology, or environmental impacts shall be subject to prior approval by the PRA and the corresponding amendment of the ECC.
16. The construction of the bridges shall not commence without the Engineering Geological and Geohazard Assessment Report (EGGAR) and the same having been approved by the DENR Mines and Geosciences Bureau (MGB) in accordance with existing DENR policies, rules and guidelines.
17. No activities other than those specified in the approved EPRMP shall be undertaken. Any project expansion, construction of additional structures, or modification of activities beyond those covered by the approved EPRMP shall be subject to the appropriate EIA process and prior approval of EMB.

Non-compliance with any of the said conditions shall be sufficient cause for the impositions of a fine in an amount not to exceed Fifty Thousand Pesos (Php50,000.00) for every violation thereof as provided in Presidential Decree 1586 and its Implementing Rules and Regulations.

Very truly yours,

ATTY. MICHAEL DRAKE P. MATIAS
Director

Copy furnished:

Philippine Reclamation Authority

DENR National Capital Region

EMB National Capital Region



O.R. No. : 3024452
Date : 1/20/2026
Processing Fee : Php 2,010.00

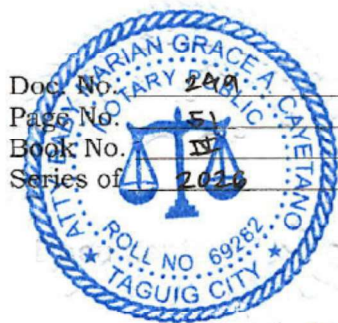
STATEMENT OF ACCOUNTABILITY

I, **Hon. Imelda G. Calixto-Rubiano**, Mayor of the **City Government of Pasay** with office address located at F.B. Harrison St., Pasay City, Metro Manila, and proponent of the **360-Hectare Pasay Reclamation Project** located along the Coast of Manila Bay, City of Pasay, hereby undertake full responsibility for ensuring compliance with all the terms, conditions, and requirements contained in the Environmental Compliance Certificate (ECC) with reference number **ECC-CO-1601-0003** including its amendments.

Hon. Imelda G. Calixto-Rubiano
City Mayor
Pasay City Government

Subscribed and sworn to before me in this JUL 23 2026, the above-named affiant taking oath presenting his Philippine Passport No. _____ issued on _____ at _____.

Notary Public



ATTY. BABY MARIAN GRACE A. CAYETANO
NOTARY PUBLIC FOR AND IN TAGUIG CITY
Until December 31, 2026
Roll No. 69282
IBP Lifetime No. 0167706/May 11, 2017/Pasig City
PTR No. A-6792424/January 5, 2026/Taguig City
MCLE Compliance No. VIII-0023893/valid until April 14, 2028
Appointment No. 44 (2025-2026)
Libra Law (8th Flr. Infinity Tower, 28th Street
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attymarian.cayetano2@gmail.com

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Serial Number

JUL 23 2026

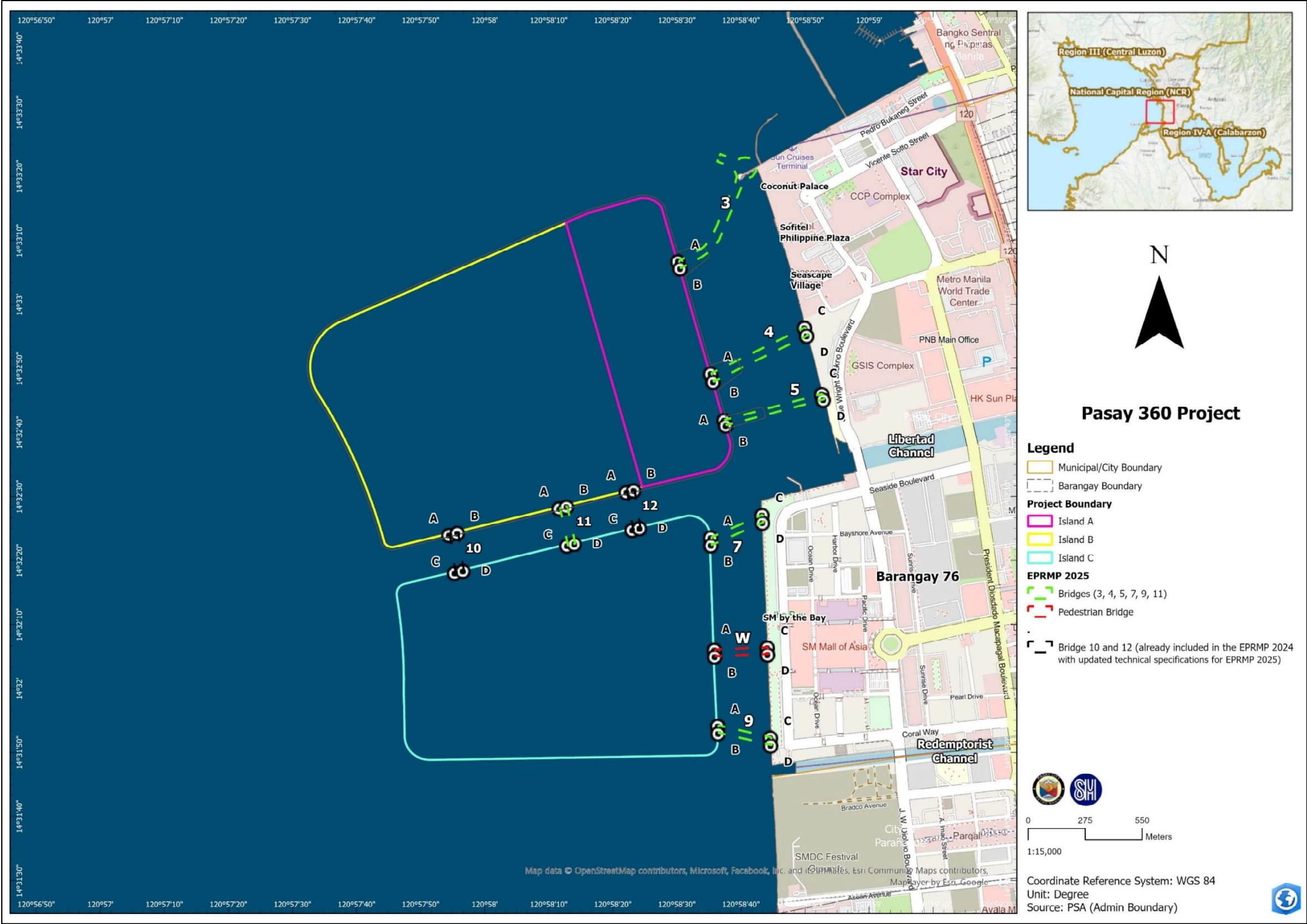


Figure 1.3 Geographic Coordinates Points of the Bridges