Environmental Review for Activity/Project that is Categorically Excluded Subject to Section 58.5

Pursuant to 24 CFR 58.35(a)

Project Information

Project Name: Paseo Juan de La Torre (PR-CRP-000541)

Responsible Entity: Puerto Rico Department of Housing (PRDOH)

Grant Recipient (if different than Responsible Entity): Municipality of Barceloneta

State/Local Identifier: Puerto Rico / Barceloneta

Preparer: William Sarriera, ACE Environmental, Inc.

Certifying Officer Name and Title:

Aldo A. Rivera Vázquez - Director, Permits and Environmental Compliance Division
Angel G. López Guzmán - Deputy Director, Permits and Environmental Compliance Division
Maria T. Torres-Bregón - Permits and Environmental Compliance Manager
Sally Z. Acevedo-Cosme - Permits and Environmental Compliance Specialist
Limary Vélez Marrero - Permits and Environmental Compliance Specialist
Ivelisse Lorenzo Torres - Permits and Environmental Compliance Specialist
Mónica Machuca Rios - Permits and Environmental Compliance Specialist
Janette I. Cambrelén - Permits and Environmental Compliance Specialist
Santa Ramírez Lebrón - Permits and Environmental Compliance Specialist
Abdul Feliciano Plaza - Permits and Environmental Compliance Specialist
Pedro A. De León Rodríguez - Permits and Environmental Compliance Specialist
Javier Mercado Barrera - Permits and Environmental Compliance Specialist
Priscilla Toro Rivera - Permits and Environmental Compliance Specialist

Consultant (if applicable): ACE Environmental, Inc.
PO Box 1205, Boquerón, PR 00622-1205
(787) 567-1302 - wsarriera.ace@gmail.com

Direct Comments to: Puerto Rico Department of Housing at comentariosambiental@vivienda.pr.gov

Project Location: Paseo Juan de La Torre, Barceloneta, PR 00617. North: (18.458943, -66.534843); South: (18.453635, -66.537689). A project location map can be found in **Attachment A**. An aerial photograph can be found in **Attachment B**.

Description of the Proposed Project [24 CFR 50.12 & 58.32]**:** The proposed project includes the rehabilitation of the existing Paseo Juan de la Torre (Paseo) in Barceloneta, which runs for

approximately 2,624.67 feet (800 meters) from north to south and borders what was formerly the riverbank of the Manatí River. With an average width of 12 feet (3.65 meters), the Paseo covers an area of 26,180 square feet (2,432.20 square meters) and is located in the Barceloneta urban area, heavily impacted with impervious surfaces. Vegetation areas border the length of the walkway on its eastern edge. This area is not accessible to pedestrians given a change in elevation, and that it has an existing railing which will be replaced. There are also sidewalks benches, asphalt surfaces along the linear walkway route. The soil in areas adjacent to the linear park is composed of crushed stones and consolidated material.

The proposed rehabilitation project maintains the present alignment of the paved surface and includes two platforms (north platform is existing and the south platform is new) projecting towards the east as viewing platforms. The two (2) observation platforms will extend a maximum of 20 feet from the edge of the sidewalk (see drawings of platforms in **Attachment C**). The support of these platforms will occur in areas determined as "upland", per Jurisdictional Wetland report (see **Attachment O**) that was prepared for activities in the pond area. Designed as cantilevers, they are projecting elements that will be supported by reinforced concrete structural elements. Construction for the north viewing platform (which will replace the existing one) will involve the excavation of one concrete foundation that measures 5 feet-2 inches by 3 feet-6 inches by 4 feet-0 inches of which 3 feet-0 inches are buried. The south viewing platform foundation will be 3 feet-4 inches below the existing grade, with a width of 1 foot-0 inch, and will rest on a 1 foot-2 inches by 3 feet-6 inches concrete base.

The proposed project will remove 3 inches from the paved surface to be replaced by new colored concrete sections. Between these sections, prefabricated concrete elements imitating wood will be placed and granite curb will be installed. To protect the users from falling to the lower green open area on the east of the Paseo, a new balustrade will be installed. This protective barrier will be constructed of flat and tube-like iron elements with reinforced concrete pillars every 23 feet (7.01 meters). The supporting vertical elements will be made of prefabricated concrete and aggregate with a chamfered triangular top that supports interpretative plaques. The balustrade will incorporate solar-powered LED lights that will light up the Paseo during the night. There will also be illumination from lampposts.

Along its 800 meters, the Paseo will include special elements for users to enjoy while walking the promenade including sculptural benches, interpretative elements, and a commemorative sculpture of the mural that was installed in the old pineapple juice Lotus Factory (demolished). Project drawings can be found in **Attachment C**.

Funding Information

Grant Number	HUD Program	Funding Amount
B-17-DM-72-0001; B-18-DP-72-0001; B-19-DP-78-0002; B-18-DE-72-0001	Community Development Block Grant – Disaster Recovery (CDBG-DR)	$11,938,162,230

Estimated Total HUD Funded Amount: $2,537,022.50

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: $3,148,040.73

Line	Item	Amount
A	60% design cost estimate	$3,148,040.73
B	FEMA funds - obligated	$575,018.23
C	Other Sources	$36,000.00
D=A-B-C	Estimated Total HUD Funded Amount	$2,537,022.50

Compliance with 24 CFR 50.4, 58.5, and 58.6 Laws and Authorities

Record below the compliance or conformance determinations for each statute, executive order, or regulation. Provide credible, traceable, and supportive source documentation for each authority. Where applicable, complete the necessary reviews or consultations and obtain or note applicable permits of approvals. Clearly note citations, dates/names/titles of contacts, and page references. Attach additional documentation as appropriate.

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	**Are formal compliance steps or mitigation required?**	**Compliance Determinations**
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 and 58.6		
Airport Hazards 24 CFR Part 51 Subpart D	Yes ☐ No ☒	The project is not located within an FAA-designated civilian airport Runway Protection Zone (RPZ), or Accident Potential Zone (APZ). The project is not within 15,000 feet of a military airport nor 2,500 feet of a civilian airport. The nearest civil airport is the Fernando Luis Ribas Dominicci Airport (SIG) in San Juan and is approximately 151,400 feet (28.67 miles) measured from the project boundary to the runway. The nearest military airport is Luis Muñoz Marín (SJU) Joint Military Airfield Muñiz Air National Guard, approximately 186,400 feet (35.30 miles) measured from the project boundary to the runway. Written assurances from the airport operator have been obtained, and all necessary notifications have been made. Therefore, the project is in compliance with 24 C.F.R. Part 51, Subpart D. See Airport Hazards supporting documentation in **Attachment D**.

Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes ☐ No ☒	The proposed project is not located within a Coastal Barrier Resources Unit. The CBRS Unit closest to the Project is PR-82P, (Punta Manati), located to the Northeast of the proposed project location at an approximate distance of 1.72 miles (9,070 feet). Therefore, the Project is in compliance with the Coastal Barrier Resources Act (CBRA). See Coastal Barrier Resources supporting documentation in **Attachment E**.
Flood Insurance Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes ☐ No ☒	The project site is located entirely within a Special Flood Hazard Area (SFHA)/ 100-year floodplain (Zone A99) as designated in FIRM Panel #720000260J, effective date: 11/18/2009. However, the proposed project is limited to the rehabilitation and improvement of an existing walkway. There are no insurable structures included in the proposed project. Therefore, flood insurance is not required and the project is in compliance with 42 U.S.C. §§ 4001-4128 and 42 U.S.C. § 5154a. See Flood Insurance supporting documentation in **Attachment F**.
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 & 58.5		
Clean Air Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93	Yes ☐ No ☒	The project is located in the Municipality of Barceloneta, which is designated as an attainment area for all criteria pollutants according to the U.S. Environmental Protection Agency's (USEPA) Online Green Book on Nonattainment Areas for Criteria Pollutants as per data obtained on 9/25/25. Standard construction best management practices will be used to minimize emissions and impacts to local air quality. Work equipment and machinery will comply with all local requirements. Therefore, the proposed project complies with the National Attaining Air Quality Standards (NAAQS). Due to its scope, no impact on air quality will be expected during its construction and operation. The proposed action complies with the Clean Air Act and 40 C.F.R. Parts 6, 51 and 93. No formal compliance steps or mitigation are required. See Clean Air supporting documentation in **Attachment G**.
Coastal Zone Management	Yes ☐ No ☒	The Puerto Rico Coastal Zone Management Program (PRCZMP) defines the coastal zone as extending 1,000

Coastal Zone Management Act, sections 307(c) & (d)		meters inland from the shoreline on the main island of Puerto Rico. The project site is located inland in Barceloneta, beyond the defined 1,000-meter coastal zone buffer along the shoreline. However, certain areas beyond this limit are also included in the coastal zone when necessary to protect key coastal resources. According to the NOAA Coastal Zone Management map in **Attachment H**, part of the Rio Grande de Manati adjacent to the proposed project area is identified as being in the coastal zone. However, this portion of the riverbed is not identified as part of the coastal zone according to the map from the Puerto Rico Planning Board also included in **Attachment H**. Additionally, the actual river course is not adequately identified in either map because it was diverted by the U.S. Army Corps of Engineers (USACE) following the construction of a dike on the East side of the paseo in 2004. Thus, even if the Rio Grande de Manati may be considered as an element of the coastal zone, it is no longer flowing adjacent to the paseo. Therefore, the proposed project does not extend into the Rio Grande de Manati riverbank, and it is not located within the coastal zone. The project is outside of the coastal zone boundary, meaning it does not require a CZMA consistency review by the Puerto Rico Planning Board (JP) PRCZMP. The project complies with the Coastal Zone Management Act, and no further action is required. Therefore, the project is in compliance with Section 307(c) and (d) of the Coastal Zone Management Act. See Coastal Zone Management supporting documentation in **Attachment H**.
Contamination and Toxic Substances 24 CFR Part 50.3(i) & 58.5(i)(2)	Yes ☒ No ☐	The proposed project is an existing walkway known as the Paseo Juan de la Torre (Paseo) in Barceloneta, which runs for approximately 2,624.67 feet (800 meters) from north to south and borders what was formerly the riverbank of the Manatí River. The project is located in the Barceloneta urban area, heavily impacted with impervious surfaces. Vegetation areas border the length of the walkway on its eastern edge and the soil in areas adjacent to the linear park is composed of crushed stones and consolidated material. The project area is located in an urban setting and is in the vicinity of residences and businesses.

		The project has no history of potentially contaminating uses. By 1971 a portion of Juan de la Torre Street was in place between Georgetti Street and the Rio Grande de Manati and in 1989, the current Juan de la Torre Street had been constructed. The Paseo Juan de la Torre was completed in 2009. The site was evaluated for its proximity to known hazardous sites, including those listed on the EPA Superfund National Priorities List, state equivalent lists, and sites within 3,000 feet of a toxic or solid waste landfill. Within a 3,000-feet radius measured from the Project perimeter, eleven (11) locations are identified in NEPAssist with contamination and toxic substances. Enforcement and Compliance History Online (ECHO) states that the compliance status is No Violation Identified for all eleven sites. There are no Superfund or Brownfield sites within one mile of the project location. The EPA UST Finder was used to identify underground storage tanks (USTs) within 3,000 feet of the project location. According to the screening report, there are two UST facilities within 3,000 feet of the project location. Additionally, there is one documented release from the Gulf SS #300 facility. Although there is limited information available regarding this release, impacts to the proposed project are not anticipated due to the minimal amount of ground disturbance required. The project site has not yet been subject to Lead-based Paint (LBP) or Asbestos Containing Material (ACM) studies. LBP and ACM testing will be conducted to any construction or demolition activities associated with the proposed project. In the event that LBP or ACM are identified, appropriate remediation procedures will be implemented in accordance with applicable environmental and safety regulations to ensure compliance before construction begins. The project is limited to public infrastructure improvements. The proposed project does not involve structures that are occupied or are intended to be occupied at least four (4) hours a day, as defined by HUD Notice CPD-23-103. Therefore, HUD radon requirements are not applicable and the project is exempt from radon testing. An environmental site visit was conducted by Edgar Vazquez Quiles, Environmental Scientist, EHS

		Consulting Services on 7/12/2024. The site visit checklist noted that the project is located in a typical urban setting surrounded by commercial and residential areas. No indication of contamination or other environmental concerns were observed and the grounds appeared to be in a state of "good housekeeping". If any hazardous materials are encountered during construction, the contractor will notify the project owner before the continuation of work. Therefore, the project is in compliance with 24 C.F.R. § 50.3(i) and § 58.5(i)(2). See Contamination and Toxic Substances supporting documentation in **Attachment I**.
Endangered Species Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402	Yes ☐ No ☒	PRDOH, as the Responsible Entity, is conducting due diligence to assess Federally Listed Threatened and Endangered Species, in accordance with the Endangered Species Act Section 7. This involves consulting the U.S. Fish and Wildlife Service (USFWS). A review of the USFWS IPaC tool identified the potential presence of Chilabothrus inornatus (Puerto Rican Boa) at the project site. The USFWS has not made a critical habitat designation for the Puerto Rican Boa. The DKey generated on 5/13/2025 supported a determination of No Effect. A No Effect Memo was prepared and certified by a biologist on 6/30/2025. If a Puerto Rican Boa is found in the Project action site, work shall cease until the Boa moves off on its own. If the Boa does not move off, the CM shall contact the Puerto Rico Department of Natural and Environmental Resources and ask for them to relocate the Boa. Therefore, the project is in compliance with the Endangered Species Act of 1973, particularly section 7; 50 C.F.R. Part 402. See Endangered Species documentation in **Attachment J**.
Explosive and Flammable Hazards 24 CFR Part 51 Subpart C	Yes ☐ No ☒	The proposed project does not include development construction, rehabilitation that will increase residential densities, or conversion. Therefore, the Project is in compliance with the 24 C.F.R. Part 51 Subpart C.

Farmlands Protection Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658	Yes ☐ No ☒	According to a map generated using the USDA Web Soil Survey tool, part of the proposed project is located within an area designated as prime farmland. However, the Farmland Protection Policy Act does not apply to projects already in or committed to urban development or those that could otherwise not convert farmland to non-agricultural uses. The project does not include any activities including new construction, acquisition of undeveloped land or conversion, that could convert agricultural land to a non-agricultural use. Furthermore, the project site is located in the Barceloneta urban area and consists entirely of developed urban land. Therefore, the project is in compliance with the Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 C.F.R. Part 658." See Farmlands Protection supporting documentation in **Attachment K**.
Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55	Yes ☒ No ☐	The project is located entirely within the floodplain. According to the Flood Insurance Rate Map (FIRM), Panel #720000260J, effective 11/18/2009, the project is located entirely within a Special Flood Hazard Area (SFHA)/ 100-year floodplain (Zone A99). According to the Advisory Base Flood Elevation (ABFE) map issued 10/18/2024, the project is located entirely in Zone A. The Preliminary FIRM Map is not available for the project area. Due to the proposed project's location within the floodplain, the floodplain decision-making process was required. Based on the scope of work, this project meets the requirements under 24 CFR 55.14(e): "HUD's or the recipient's actions under any HUD program involving the repair, rehabilitation, or replacement of existing nonstructural improvements including streets, curbs, and gutters, where any increase of the total impervious surface area of the facility is de minimis. This provision does not include critical actions, levee systems, chemical storage facilities (including any tanks), wastewater facilities, or sewer lagoons". The 5-step decision-making process was determined to be the appropriate approach for evaluation under 24 CFR Part 55. The decision-making process determined that the proposed project would not impact the natural and beneficial values of the floodplain and

		would not result in any additional risk to life or property. Standard construction best management practices will be used to limit erosion and sedimentation. Therefore, the Project is in compliance with Executive Order 11988. See Floodplain Management documentation in **Attachment L**.
Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	Yes ☐ No ☒	The project was assessed for its potential effects on identified historic properties. This assessment considered direct, indirect, and cumulative impacts on the integrity and significance of the properties. SOI Qualified Archaeologist Dr. Karen Anderson-Córdova; and SOI-Qualified Architect/Architectural Historians Berenice R. Sueiro-Vázquez, B Arch and Dr. Arleen Pabón-Charneco conducted historical archaeological and architectural evaluations for the property. The evaluation concluded that project actions will not affect the historic properties that compose the Area of Potential Effect (APE). Based on this finding of No Historic Properties Affected (NHPA), SHPO consultation was initiated on 7/25/2024 for review and concurrence with a determination of NHPA. On 8/21/2024, SHPO concurred with the determination of NHPA within the proposed project's Area of Potential Effects (APE). Therefore, the project is in compliance with the National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 C.F.R. Part 800. See Historic Preservation documentation in **Attachment M**.
Noise Abatement and Control Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B	Yes ☐ No ☒	The project does not involve the development of noise-sensitive uses such as housing, schools, or healthcare facilities. The scope of work consists of the rehabilitation of an existing walkway. The proposed project will not involve expansion of the right of way. The project site is not located within an FAA-designated airport noise exposure zone, nor is it within the immediate vicinity of major highways or railway corridors. Temporary noise impacts related to construction activities are expected but will be limited to standard daytime hours.

		Therefore, the project is in compliance with the Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 C.F.R. Part 51, Subpart B.
Sole Source Aquifers Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149	Yes ☐ No ☒	There are no sole source aquifers in Puerto Rico. Therefore, the proposed project site is not located within a sole source aquifer, nor will it directly or indirectly impact one. The nearest sole source aquifer is the Biscayne Aquifer SSA, located in the state of Florida in the continental United States. This SSA is located approximately 1004.10 miles from the project site. Therefore, the project is in compliance with the Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 C.F.R. Part 149. See Sole Source Aquifer documentation in **Attachment N**.
Wetlands Protection Executive Order 11990, particularly sections 2 and 5	Yes ☐ No ☒	According to the National Wetland Inventory (NWI), the proposed project is located directly adjacent to Riverine and Freshwater Emergent wetlands. The project area is already developed with impervious surfaces. The proposed action will have two (2) observation platforms which will extend a maximum of 20 feet from the edge of the paseo. The support of these platforms will occur in areas identified as "upland", per the Jurisdictional Wetlands and U.S. Waters Determination Study prepared by Diatom Environmental in March 2025 (see **Attachment O**). The 5-step decision-making process was completed and found that the proposed project would not affect the natural and beneficial functions of any offsite wetlands. Standard construction best management practices will be used to avoid indirect impacts to any offsite wetlands. All findings are consistent with the regulatory requirements of 24 CFR § 55.9. The proposed project complies with the requirements of Executive Order 11990, particularly sections 2 and 5. See Wetlands Protection documentation in **Attachment O**.
Wild and Scenic Rivers Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	Yes ☐ No ☒	The wild and scenic rivers in Puerto Rico are in the El Yunque National Forest. These rivers include La Mina River, Icacos River, and Mameyes River, with the La

		Mina River being the closest, approximately 49.49 miles east of the project site. Therefore, the project is in compliance with Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c). See Wild and Scenic Rivers documentation in **Attachment P**.

Field Inspection (Date and completed by)**:** July 12, 2024, Edgar Vazquez Quiles, Environmental Scientist, EHS Consulting Services. See Field Inspection Report in **Attachment Q**.

Summary of Findings and Conclusions: The existing Paseo Juan de la Torre (Paseo) in Barceloneta runs for approximately 2,624.67 feet (800 meters) from north to south and borders what was formerly the riverbank of the Manatí River with an average width of 12 feet (3.65 meters). The Paseo covers an area of 26,180 square feet (2,432.20 square meters) and is located in the Barceloneta urban area, heavily impacted with impervious surfaces. Vegetation areas border the length of the walkway on its eastern edge.

While the Project is located entirely within the 100-year floodplain (Zone A99), the proposed improvements to the Paseo will maintain the present alignment of the paved surface. There will be two new platforms constructed as part of the proposed project, which will be elevated above the ground using a support column and therefore, will add minimal impervious surface.

The proposed project is adjacent to wetlands identified on the USFWS National Wetland Inventory mapper. There will be no work performed in the wetlands, as the platform support columns will be installed in areas identified as “upland”. The 5-step process was completed due to the proposed project’s location within the floodplain and proximity to wetlands. The 5-step decision-making process was completed and found that the proposed project would not affect the natural and beneficial functions of the floodplain or any offsite wetlands. Standard construction best management practices will be used to avoid indirect impacts to the floodplain and wetland.

Required SHPO and USFWS and consultations were submitted. SHPO consultation resulted in a determination of No Historic Properties Affected, and USFWS consultation resulted in a determination of No Effect.

Based on the results of this analysis, the proposed project is not expected to have any significant environmental impact with the implementation of the mitigation measures and conditions found below.

Mitigation Measures and Conditions

Summarize below all mitigation measures adopted by the Responsible Entity to reduce, avoid, or eliminate adverse environmental impacts and to avoid non-compliance or non-conformance with the above-listed authorities and factors. These measures/conditions must be incorporated into project contracts, development agreements, and other relevant documents. The staff responsible for implementing and monitoring mitigation measures should be clearly identified in the mitigation plan.

Law, Authority, or Factor	Mitigation Measure
Contamination and Toxic Substances	The project site has not yet been subject to Lead-based Paint (LBP) or Asbestos Containing Material (ACM) studies. LBP and ACM testing will be conducted to any construction or demolition activities associated with the proposed project. In the event that LBP or ACM are identified, appropriate remediation procedures will be implemented in accordance with applicable environmental and safety regulations to ensure compliance before construction begins.
Endangered Species	If a Puerto Rican Boa is found in the Project action site, work shall cease until the Boa moves off on its own. If the Boa does not move off, the CM shall contact the Puerto Rico Department of Natural and Environmental Resources and ask for them to relocate the Boa.
Floodplain Management	Due to the proposed project's location within the floodplain, the floodplain decision-making process was required. Based on the scope of work, this project meets the requirements under 24 CFR 55.14(e). The 5-step decision-making process was determined to be the appropriate approach for evaluation under 24 CFR Part 55. The decision-making process determined that the proposed project would not impact the natural and beneficial values of the floodplain and would not result in any additional risk to life or property. Standard construction best management practices will be used to limit erosion and sedimentation.
Wetlands Protection	According to the National Wetland Inventory (NWI), the proposed project is located directly adjacent to Riverine and Freshwater Emergent wetlands. The 5-step decision-making process was completed and found that the proposed project would not affect the natural and beneficial functions of any offsite wetlands. Standard construction best management practices will be used to avoid indirect impacts to any offsite wetlands. No work will be performed within the wetland.

Determination:

- ☐ This categorically excluded activity/project converts to Exempt, per 58.34(a)(12) because there are no circumstances which require compliance with any of the federal laws and authorities cited at §58.5. **Funds may be committed and drawn down after certification of this part** for this (now) EXEMPT project; OR
- ☒ This categorically excluded activity/project cannot convert to Exempt because there are circumstances which require compliance with one or more federal laws and authorities cited at §58.5. Complete consultation/mitigation protocol requirements, **publish NOI/RROF and obtain "Authority to Use Grant Funds"** (HUD 7015.16) per Section 58.70 and 58.71 before committing or drawing down any funds; OR
- ☐ This project is now subject to a full Environmental Assessment according to Part 58 Subpart E due to extraordinary circumstances (Section 58.35(c)).

Preparer Signature: _____ Date: 10/20/2025

Name/Title/Organization: William Sarriera / Environmental Specialist / ACE Environmental

Certifying Officer Signature: Janette I. Cambrelen Digitally signed by Janette I. Cambrelen Date: 2025.11.13 08:54:19 -04'00' Date: _____

Name/Title: Janette I. Cambrelén, Permit and Environmental Compliance Specialist

This original, signed document and related supporting material must be retained on file by the Responsible Entity in an Environmental Review Record (ERR) for the activity/project (ref: 24 CFR Part 58.38) and in accordance with recordkeeping requirements for the HUD program(s).

List of Attachments

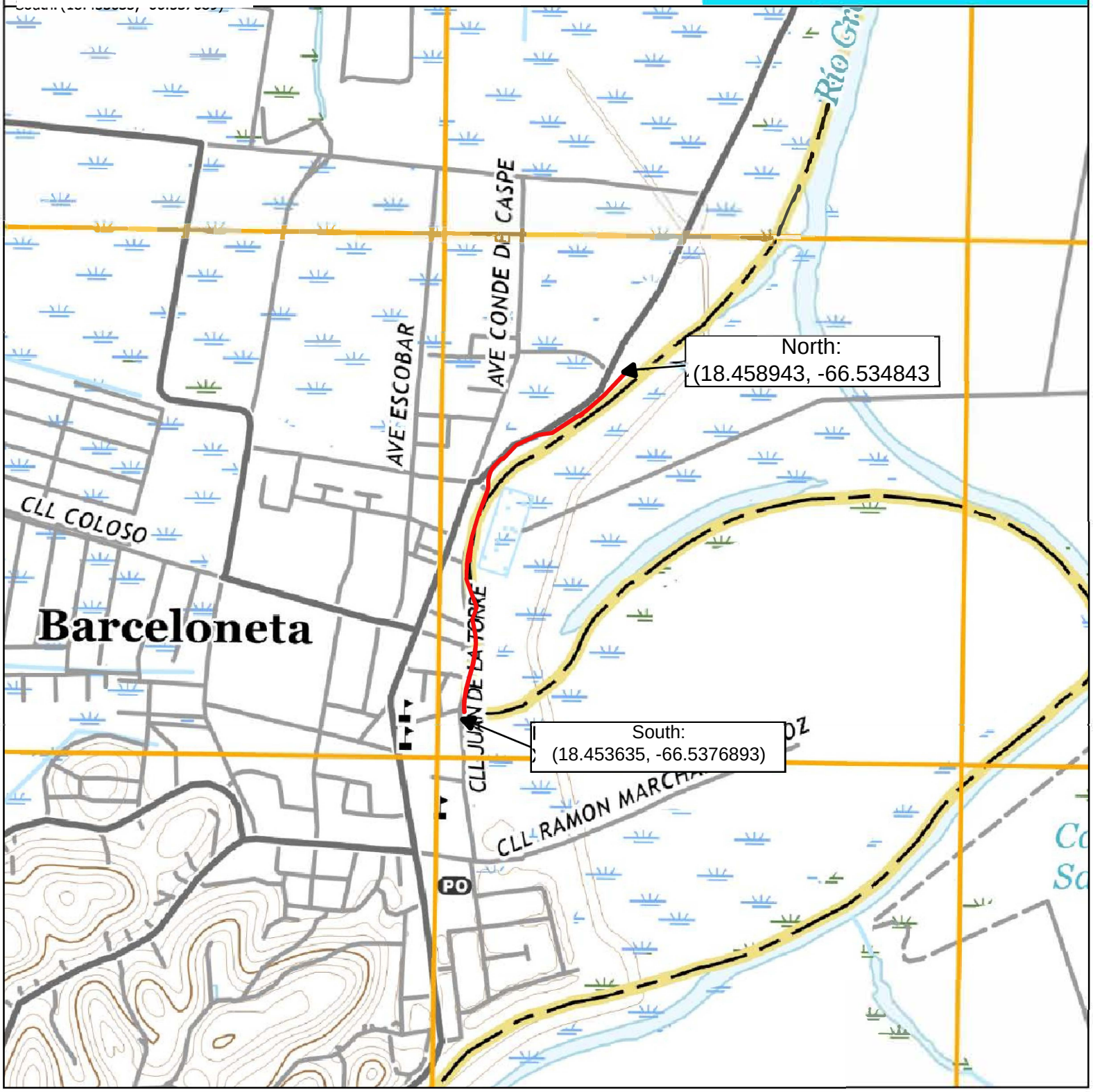
A	Project Location Map
B	Project Location Aerial Imagery
C	Project Drawings
D	Airport Hazards
E	Coastal Barrier Resources
F	Flood Insurance
G	Clean Air
H	Coastal Zone Management
I	Contamination and Toxic Substances
J	Endangered Species
K	Farmlands Protection
L	Floodplain Management
M	Historic Preservation
N	Sole Source Aquifers
O	Wetlands Protection
P	Wild and Scenic Rivers
Q	Field Inspection Report

Attachment A:
Project Location Map

Site Location Map
PR-CRP-000541 - Paseo Juan de la Torre
Municipality of Barceloneta, Puerto Rico

Coordinates:
North: (18.458943, -66.534843);
South: (18.453635, -66.537689)

EHSConsulting Services
1, Boquerón, PR 00622
302



Legend:

Paseo Juan de la Torre

Scale: 1:10,000

100 0 100 200 m

500 0 500 ft

Spatial Reference:
NAD 83 State Plane Puerto Rico & Virgin Is.
EPSG 32161

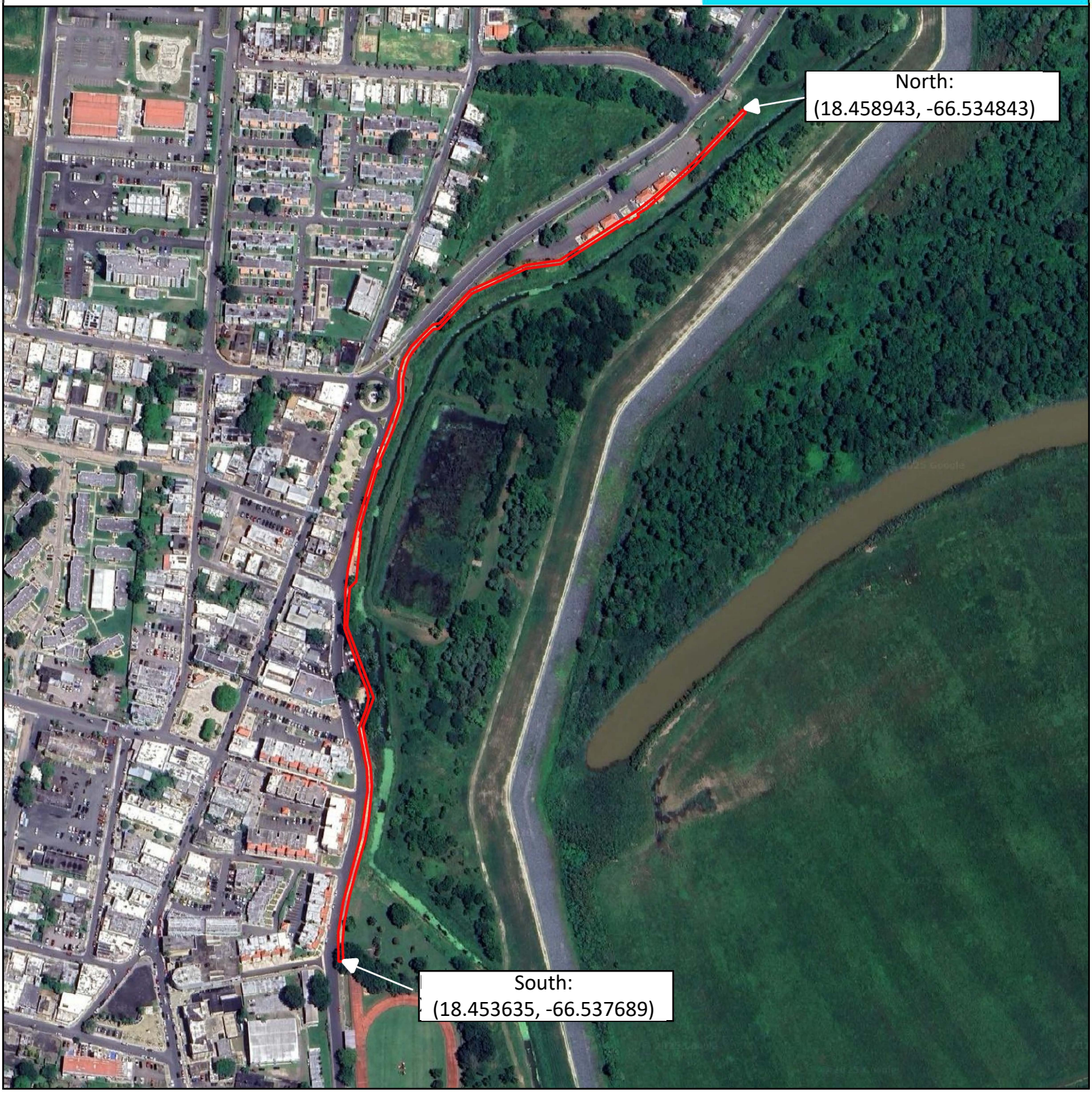
Reference:
Barceloneta Quadrangle Puerto Rico 7.5-Minute Series. U.S. Geological Survey (USGS) 2024

Source:
USGS National Geologic Map Database. TopoView Viewer.
https://ngmdb.usgs.gov/topoview/viewer/#17/18.45416/-66.53844

Attachment B:
Project Location
Aerial Imagery

Aerial photograph
PR-CRP-000541 - Paseo Juan de la Torre
Municipality of Barceloneta, Puerto Rico
Coordinates:
North: (18.458943, -66.534843);
South: (18.453635, -66.537689)

EHSConsulting Services
PO Box 1384, Boquerón, PR 00622
(787) 567-1302



Legend:

Paseo Juan de la Torre

Scale: 1:4,000

50 0 50 100 m

250 0 250 ft

Spatial Reference:
NAD 83 State Plane Puerto Rico & Virgin Is.
EPSG 32161

Reference:
Aerial photograph of Barceloneta, PR. Recovered from Google Satellite Tile. Imagery Date: September 16, 2024

Source:
Google Earth Tile
http://www.google.cn/maps/vt?lyrs=s@189&gl=cn&x={x}&y={y}&z={z}

Attachment C:
Project Drawings

PROGRAMA DE REVITALIZACIÓN DE LA CIUDAD

PR-CRP-000541 - PASEO JUAN DE LA TORRE

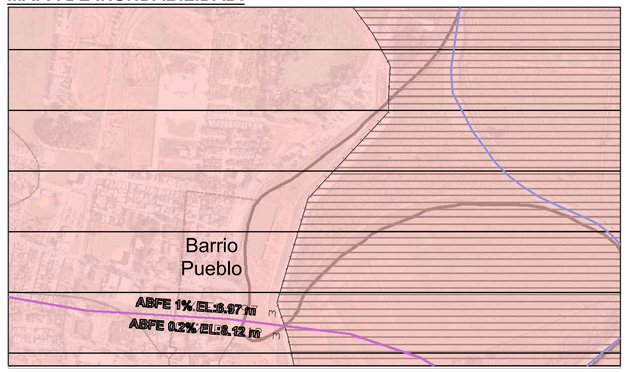
MUNICIPIO DE BARCELONETA | ALCALDESA WANDA J. SOLER ROSARIO

OFICINA DE PROGRAMAS FEDERALES

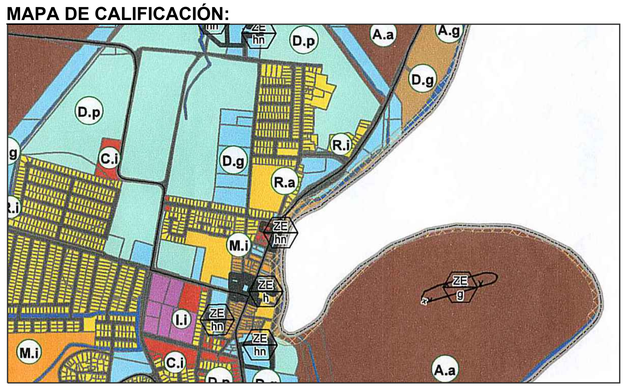
DISEÑO PRELIMINAR | JORGE RIGAU ARQUITECTOS PSC

FOTO AEREA:

MAPA DE INUNDABILIDAD:



MAPA DE CALIFICACIÓN:



Memorial Explicativo

El Municipio de Barceloneta, con el apoyo del Departamento de la Vivienda de Puerto Rico y el Programa de Revitalización de la Ciudad del Gobierno Federal propone rehabilitar el Paseo Lineal Juan de la Torre, que discurre unos 800 metros en dirección norte a sur, bordeando lo que fue la ribera del río Manatí. Alcanzando un ancho promedio de doce pies (12'-0") de ancho, el paseo abarca un área de 2,432.20 m 2 (metros cuadrados), equivalentes a 26,180 p 2 (pies cuadrados). A través de los años, se han implantado múltiples cambios en el paseo, que ha albergado (y descartado) diversos tipos de pavimentación, así como un muestrario amplio de mobiliario urbano.

El paseo comprende una acera más alta que la vía de rodaje adyacente C. Juan de la Torre y está pavimentada en cemento con tinte y madera. Un encintado continuo lo separa de la carretera al este. Al oeste, un barandal de madera lo delimita y evita el acceso de los peatones al área verde en nivel más bajo. El barandal está en mal estado, faltándole componentes. Varios postes de iluminación se encuentran a lo largo del paseo. El mobiliario urbano es exiguo. Por años, la proximidad del río Manatí ocasionó inundaciones severas en el pueblo de Barceloneta. Los daños se lograron controlar cuando el Cuerpo de Ingenieros construyó un dique al este del paseo; su altura, limita el disfrute visual del cuerpo de agua desde el pueblo.

El proyecto de rehabilitación propuesto atiende aspectos varios, reteniendo el recorrido actual del área pavimentada y - en dos (2) instancias - proyectándose hacia el este sobre el área verde a modo de plataformas de observación. Ambas plataformas ocupan un área total de 63 m 2 . Sus voladizos se sostendrán en apoyos en hormigón. Como parte de los trabajos civiles, niveles y pendientes existentes en el predio se mantendrán o mejorarán para garantizar el flujo efectivo de las aguas a los desagües pluviales ya en sitio.

La ejecución del nuevo diseño plantea la remoción de tres pulgadas (3") del material de pavimentación actual del paseo para sustituirlo por nuevos paños de cemento con tinte. Entre paño y paño de este material, se dispondrán piezas prefabricadas de hormigón expuesto que habrán de imitar madera rústica. Los contenes de la acera se harán en piezas de granito gris con cimiento integrado, en interés de garantizar larga vida a los trabajos. Dotar de mayor resiliencia a los encintados es vital, dado el abuso al que están constantemente sometidos por los vehículos que los golpean.

Como protección a los peatones respecto al área verde adyacente, se proveerá una nueva verja a lo largo del paseo, descartando la existente de madera. La verja se construirá en perfiles planos y tubulares en hierro, con pilares de hormigón como apoyo cada veintitrés pies (23'-0"). El diseño de la baranda evoca elementos de la bandera del Municipio de Barceloneta, intercalando símbolos alusivos a instancias históricas del pueblo. Los pilares de apoyo serán prefabricados en hormigón y agregado con tope triangular achaflanado sobre el que se instalarán tarjas de carácter interpretativo.

Los barandales incorporarán material lumínico tipo LED. Ello permitirá acumular energía solar durante el día, para brillar en la noche. También se provee iluminación a gran escala con postes lumínicos. Estos se instalarán alternadamente a lo largo del paseo, ayudando a establecer las dos escalas a atenderse: la humana (más baja) y la urbana (de área, más alta).

Por su ubicación y extensión, a lo largo de sus ochocientos metros, el paseo incluirá elementos puntuales (permanentes, con la posibilidad de temporeros) que han de enriquecer (y alentar) el recorrido de quienes lo visiten. Entre ellos se cuentan bancos escultóricos, elementos interpretativos y una escultura conmemorativa del mural que años atrás estuvo instalado en la antigua fábrica de jugos marca Lotus – ya demolido – obra de la artista puertorriqueña Luisa Géigel Brunet, primera mujer escultora de Puerto Rico.

En resumen, el proyecto propuesto ha de colaborar con el enriquecimiento de las oportunidades de ocio en Barceloneta (y Puerto Rico), a la vez que celebra la historia, el arte y el paisaje del país. •

CONDICION EXISTENTE: VISTA DEL PASEO HACIA EL ESTE CON EL DIQUE AL FONDO

ÍNDICE DE HOJAS

PAGINA	NUMERO	NOMBRE DE HOJA
1	G-00	HOJA TÍTULO
2	A-01	SITE PLAN
3	A-02	LEYENDA DE MÓDULOS SECCIÓN A
4	A-03	LEYENDA DE MÓDULOS SECCIÓN B
5	A-04	LEYENDA DE MÓDULOS SECCIÓN C
6	A-05	TIPOS DE MÓDULOS
7	A-06	PATRÓN TÍPICO DE ACERA
8	A-07	ENTRADA SUR AL PASEO
9	A-08	DISTRIBUCIÓN DE BANCOS
10	A-09	DETALLES DE ESCULTURA DE MURAL DE LA LOTUS
11	A-10	PATRON EN PLATAFORMAS DE OBSERVACIÓN
12	A-11	PLATAFORMAS DE OBSERVACIÓN SUR
13	A-12	PLATAFORMAS DE OBSERVACIÓN NORTE
14	S-01	STRUCTURAL FOUNDATION PLAN AND DETAILS
15	S-02	STRUCTURAL SLAB PLAN AND DETAILS
16	S-03	STRUCTURAL FOUNDATION PLAN AND DETAILS
17	S-04	STRUCTURAL SLAB PLAN AND DETAILS

PROGRAMA DE REVITALIZACIÓN DE LA CIUDAD

DEPARTAMENTO DE LA VIVIENDA

PROFESSIONAL CERTIFICATION LAW

I, JORGE RIGAU PÉREZ, LICENSE 7650, CERTIFY THAT I AM THE PROFESSIONAL WHO DESIGNED THESE PLANS AND THE COMPLEMENTARY SPECIFICATIONS. I ALSO CERTIFY THAT I UNDERSTAND THAT SUCH PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE PROVISIONS OF THE JOINT REGULATIONS AND APPLICABLE PROVISIONS OF THE REGULATIONS AND CODES OF AGENCIES, REGULATORY BOARDS AND/OR PUBLIC CORPORATIONS WITH JURISDICTION.

I ACKNOWLEDGE THAT ANY FALSE DECLARATION OR FALSIFICATION OF THE FACTS WHICH HAVE BEEN PRODUCED WITHOUT KNOWLEDGE OR NEGLIGENCE EITHER BY ME, MY AGENTS OR EMPLOYEES, OR BY OTHER PERSONS WITH MY KNOWLEDGE, MAKES ME RESPONSIBLE FOR ANY JUDICIAL AND DISCIPLINARY ACTION BY THE OIGPE AND OTHER COMPETENT AUTHORITIES, INCLUDING, BUT NOT LIMITED TO, THE TERMINATION OF THE PARTICIPATION IN PROFESSIONAL CERTIFICATION PROCEDURES IN THE OIGPE.

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS, AND EXISTING SITE CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. UPON FINDING ANY DISCREPANCY, ERROR, OR OMISSION IN THE SET OF DRAWING DOCUMENTS, THE CONTRACTOR MUST INFORM THE ARCHITECT BEFORE THE BEGINNING OF THE CONSTRUCTION IN ORDER TO MAKE THE NECESSARY REVISIONS AND/OR CORRECTIONS. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR SUCH DISCREPANCES, ERRORS AND/OR OMISSIONS IF THEY ARE NOT INFORMED ON TIME.

THE CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE BEGINNING OF THE WORK. ALL DRAWINGS USED BY THE CONTRACTOR MUST BEAR THE "FOR CONSTRUCTION ONLY" STAMP, SIGNED AND SEALED BY THE ARCHITECT.

THESE DRAWINGS AND THEIR CONTENT ARE PROPERTY OF "JORGE RIGAU ARQUITECTOS PSC". AND SHALL BE USED SOLELY IN REFERENCE FOR THE PROJECT FOR WHICH THEY WERE EXPLICITELY DEVELOPED FOR. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING DOCUMENT AND/OR ITS CONTENT WITHOUT PREVIOUS AUTHORIZATION IS STRICTLY FORBIDDEN.

MUNICIPIO DE BARCELONETA / PROGRAMA DE REVITALIZACIÓN DE LA CIUDAD

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

ISSUE CHART

NO.	DESCRIPTION	DATE	APPROVED

JORGE RIGAU ARQUITECTOS PSC
URB. HYDE PARK, 855 AVE. LAS MARÍAS, SAN JUAN PR 00927
TEL: (787) 982-0002 | EMAIL: RIGAU@JORGERIGAU.COM

TITLE

HOJA DE TITULO

SCALE	PRINTED ON	SHEET NO.
	05/14/24	G-00
DRAWN BY FV		
PHASE PRELIMINARY PHASE		DATE MAY 14, 2024

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK, CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME, THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 205 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: SITE PLAN

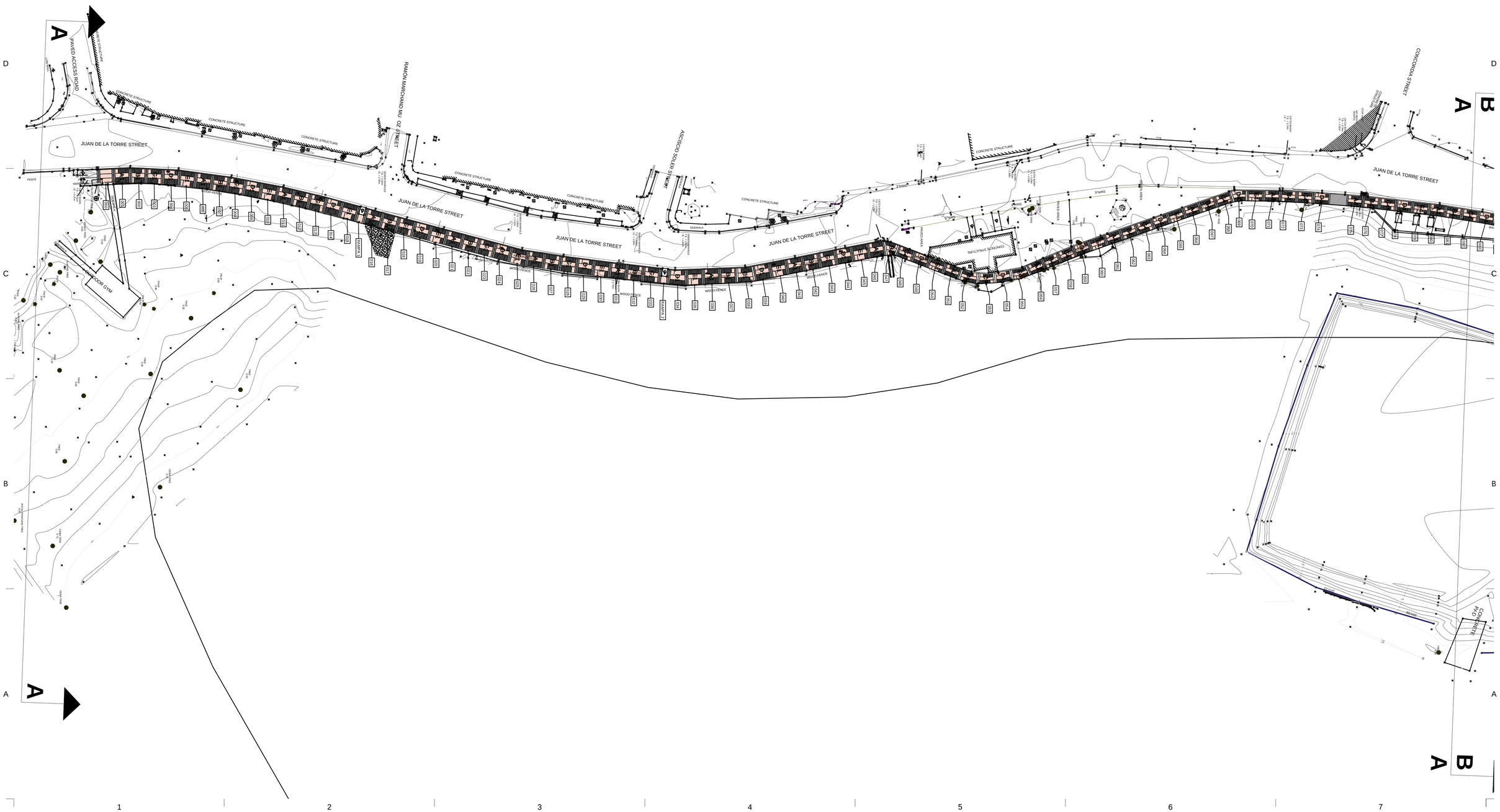
SHEET Nº: A-01

DRAWN BY: SEBASTIÁN FELICIANO

PHASE: PRELIMINARY PHASE

DATE:

PRINT DATE: 14 DE MAYO DE 2024


A
B
JUAN DE LA TORRE STREET
RAMÓN MARCHAND MU OZ STREET
ASCSCIO SOLER STREET
CONCRETE STRUCTURE
PAVED ACCESS ROAD
FENCE
WOOD FENCE
CHAIN LINK FENCE
SIDEWALK
CONCRETE STEPS
CONCRETE WALL
CONCRETE SLAB
PAVED AREA
SMALL
MEDIUM
LARGE
CANOPY
CONCRETE STRUCTURE
CONCRETE WALL
CONCRETE SLAB
CONCRETE STEPS
SIDEWALK
CHAIN LINK FENCE
WOOD FENCE
FENCE

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION. IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 555 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: LEYENDA DE MÓDULOS SECCIÓN B

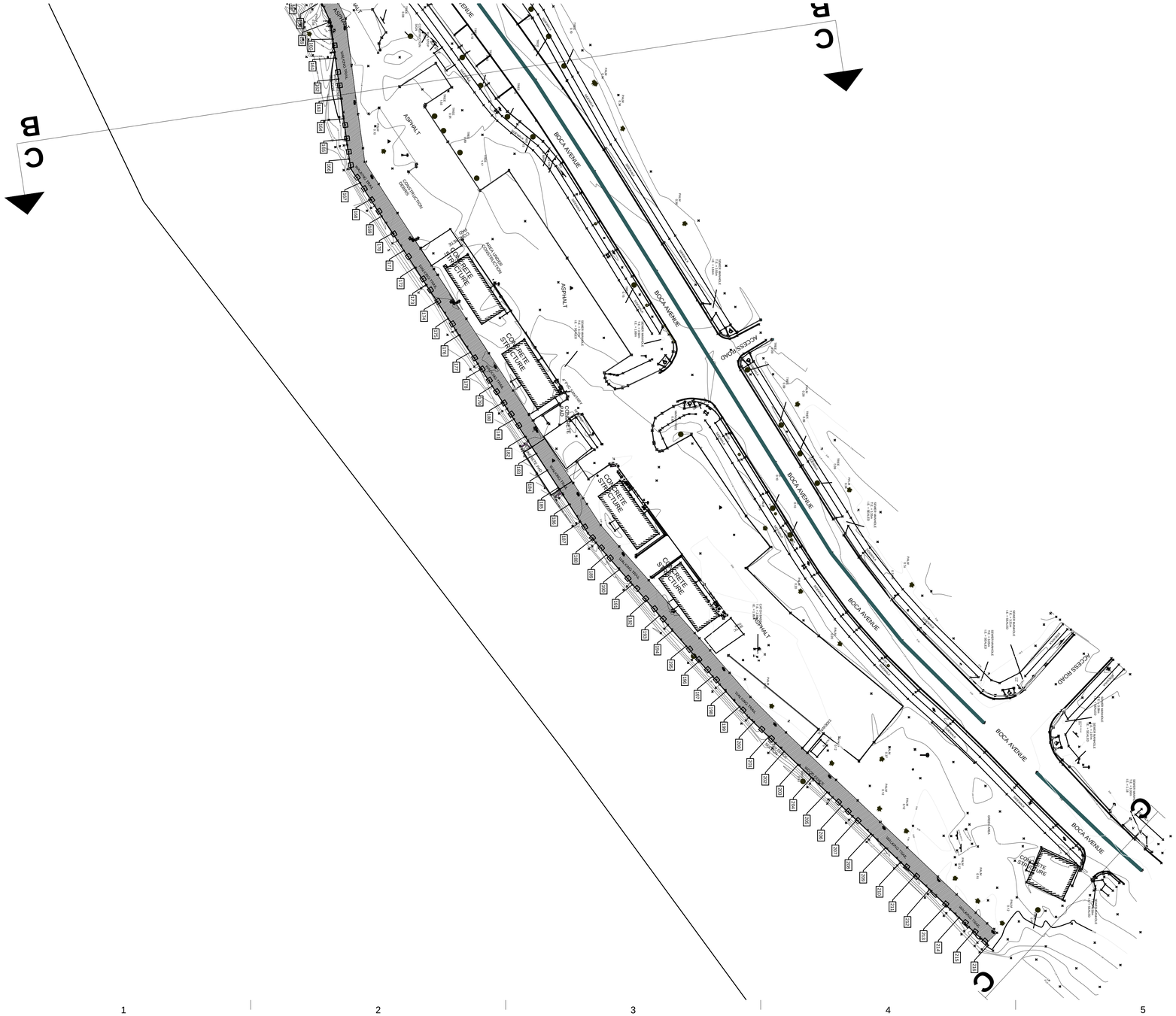
SHEET Nº: A-02

DRAWN BY: SEBASTIÁN FELICIANO

PHASE: PRELIMINARY PHASE

DATE:

PRINT DATE: 14 DE MAYO DE 2024



IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 555 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

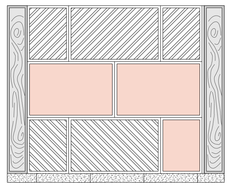
DRAWING TITLE: LEYENDA DE MÓDULOS SECCIÓN C

SHEET Nº: A-04

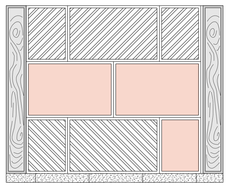
DRAWN BY: SEBASTIÁN FELICIANO

PHASE: PRELIMINARY PHASE

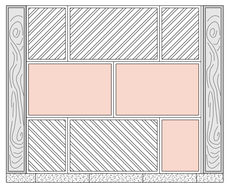
PRINT DATE: 14 DE MAYO DE 2024



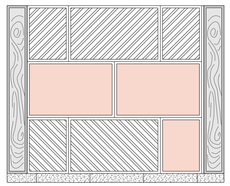
1 MÓDULO A
SCALE:1/4" = 1'-0"



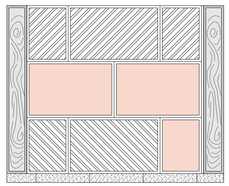
2 MÓDULO B
SCALE:1/4"= 1'-0"



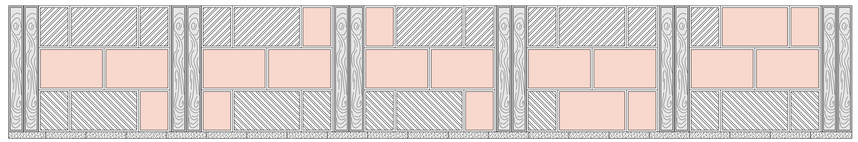
3 MÓDULO C
SCALE:1/4" = 1'-0"



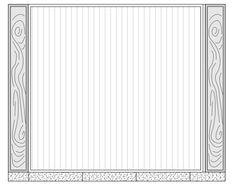
4 MÓDULO D
SCALE:1/4" = 1'-0"



5 MÓDULO E
SCALE:1/4" = 1'-0"

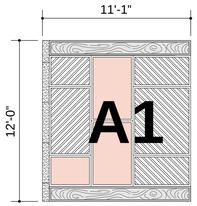


6 PATRÓN DE MÓDULOS
SCALE:3/16" = 1'-0"

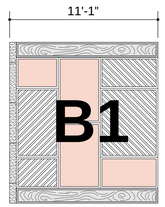


7 MÓDULO DE HORMIGÓN
SCALE:1/4" = 1'-0"

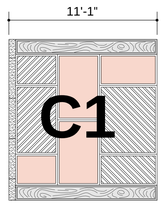
NOTA:
SE UTILIZARÁN APROXIMADAMENTE 100 MÓDULOS DEL HORMGÓN CEPILLADO.



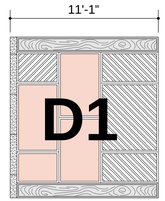
PATRÓN A- MÓDULO 1



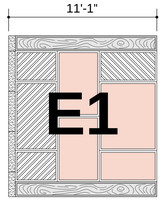
PATRÓN B- MÓDULO 1



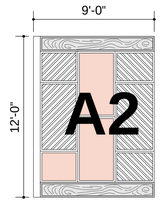
PATRÓN C- MÓDULO 1



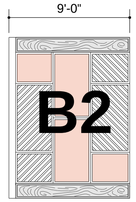
PATRÓN D- MÓDULO 1



PATRÓN E- MÓDULO 1

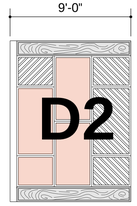


PATRÓN A- MÓDULO 2

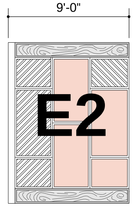


PATRÓN B- MÓDULO 2

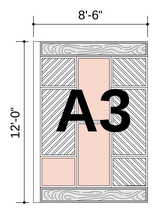
PATRÓN C- MÓDULO 2



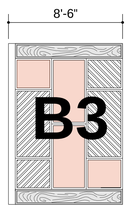
PATRÓN D- MÓDULO 2



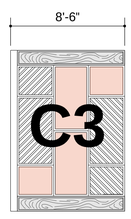
PATRÓN E- MÓDULO 2



PATRÓN A- MÓDULO 3

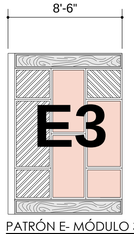


PATRÓN B- MÓDULO 3

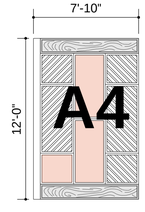


PATRÓN C- MÓDULO 3

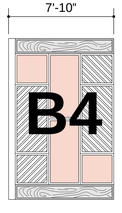
PATRÓN D- MÓDULO 3



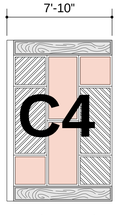
PATRÓN E- MÓDULO 3



PATRÓN A- MÓDULO 4

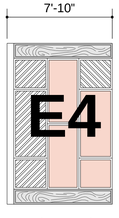


PATRÓN B- MÓDULO 4



PATRÓN C- MÓDULO 4

PATRÓN D- MÓDULO 4



PATRÓN E- MÓDULO 4

8 VARIACIONES DE MÓDULOS
SCALE:3/16" = 1'-0"

MÓDULO	CANTIDAD
A1	10
B1	9
C1	9
D1	9
E1	9
A2	1
B2	2
C2	1
D2	1
E2	1
A3	1
B3	1
C3	0
D3	0
E3	0
A4	11
B4	13
C4	14
D4	15
E4	13
TOTAL	120

9 REGISTRO Y CANTIDADES DE MÓDULOS

NOTAS GENERALES:

1. PATRÓN TÍPICO SERÁ MODIFICADO POR RAMPAS (ADA) Y ELEMENTOS URBANOS EXISTENTES.

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK, CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME, THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: ORCINA@JORGERIGAU.COM

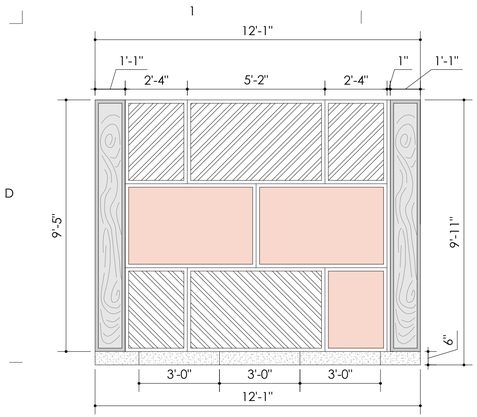
DRAWING TITLE: TIPOS DE MÓDULOS

SHEET Nº: A-05

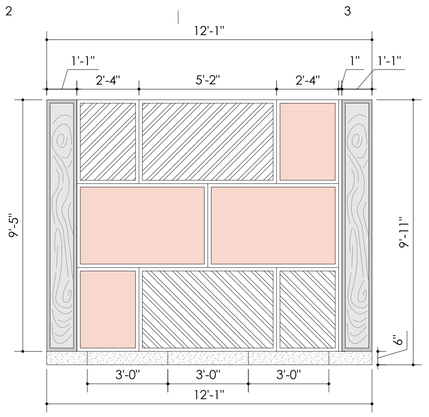
DRAWN BY: SEBASTIÁN FELICIANO

PHASE: PRELIMINARY PHASE

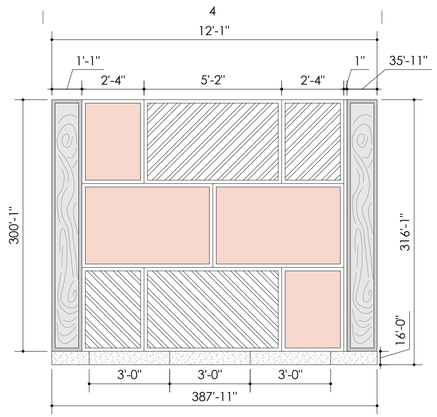
PRINT DATE: 14 DE MAYO DE 2024



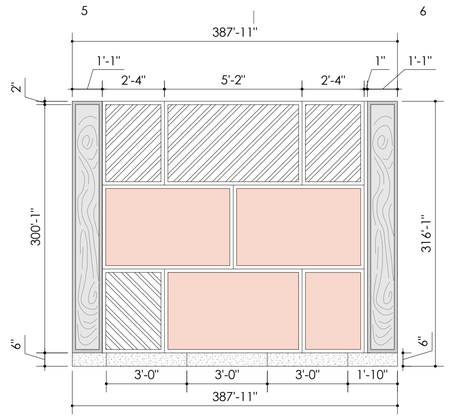
1 MÓDULO A
SCALE:3/8" = 1'-0"



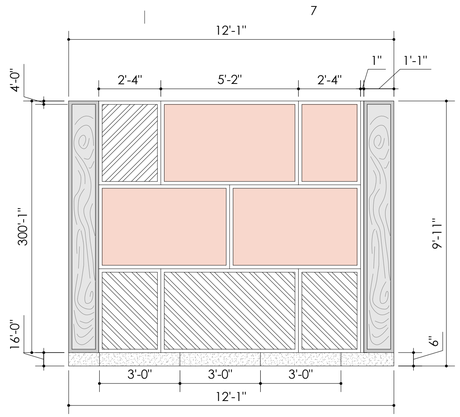
2 MÓDULO B
SCALE:3/8" = 1'-0"



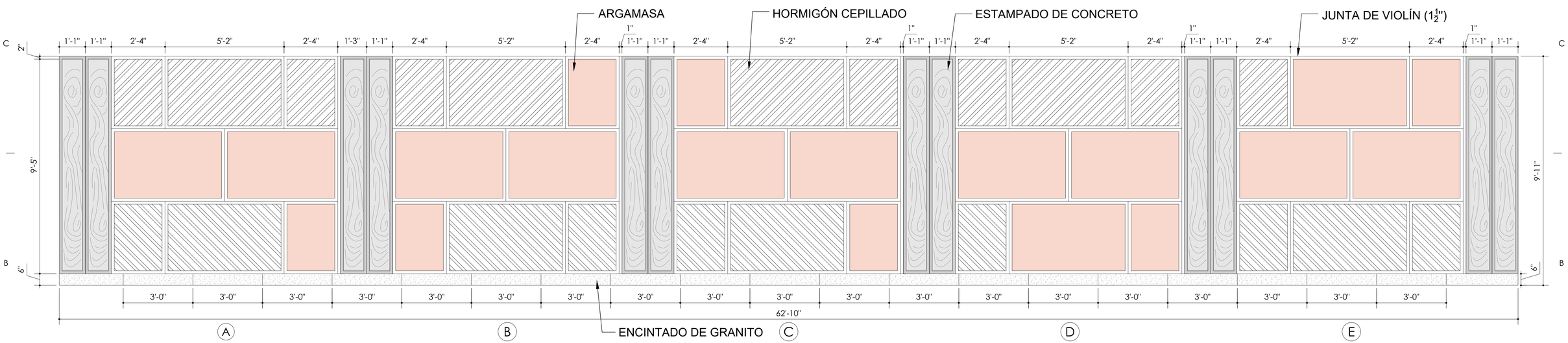
3 MÓDULO C
SCALE:3/8" = 1'-0"



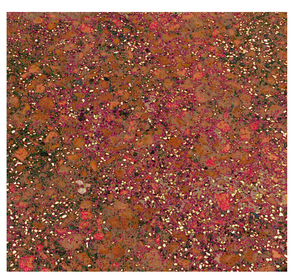
4 MÓDULO D
SCALE:3/8" = 1'-0"



5 MÓDULO E
SCALE:3/8" = 1'-0"



6 PATRÓN TÍPICO
SCALE:1/2" = 1'-0"



7 HORMIGÓN TINTEADO

8 ESTAMPADO DE CONCRETO

10 HORMIGÓN CEPILLADO Y JUNTA DE VIOLIN

11 ENCINTADO DE GRANITO

NOTAS GENERALES:

1. PATRÓN TÍPICO SERÁ MODIFICADO POR RAMPAS (ADA) Y ELEMENTOS URBANOS EXISTENTES.

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME, THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

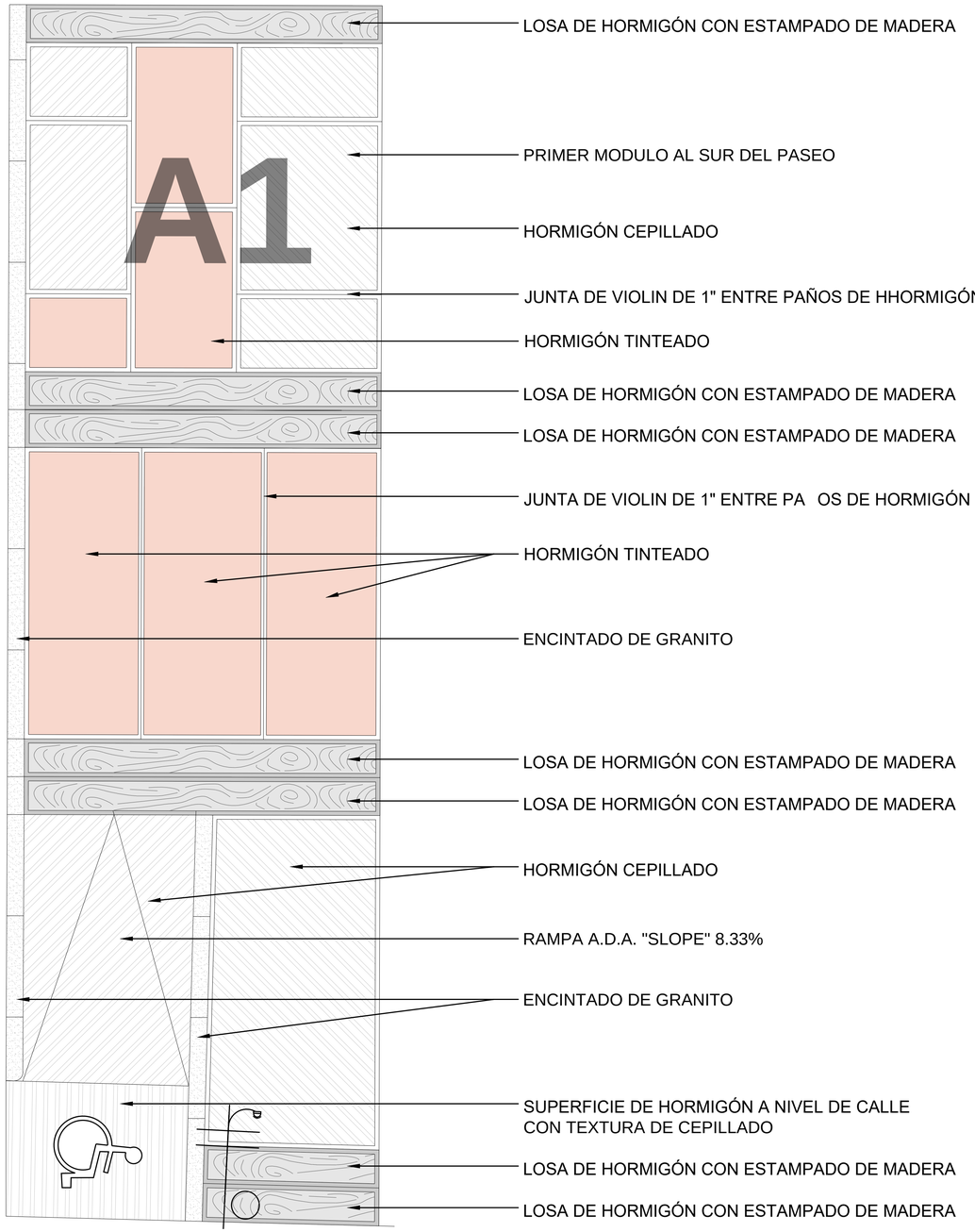
PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

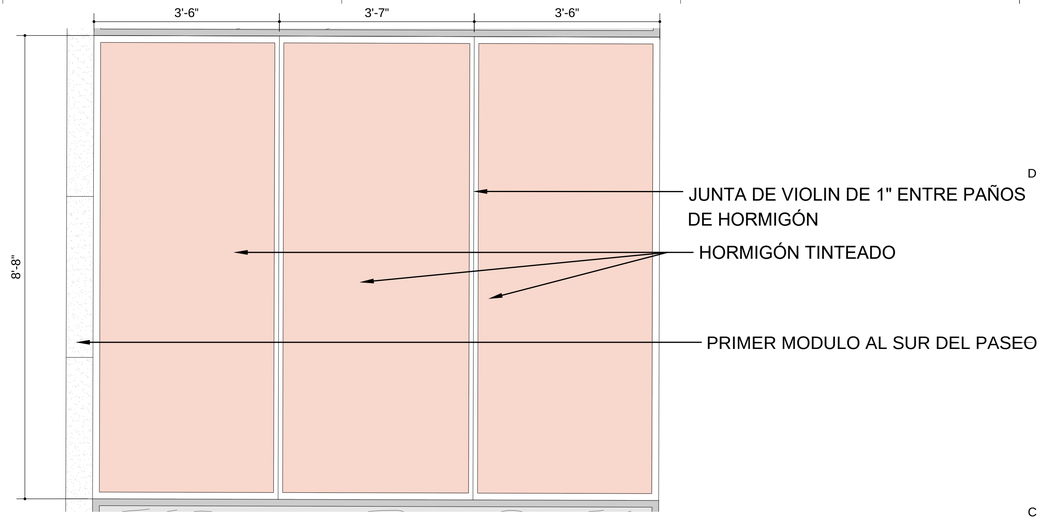
REVISIONS			
SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

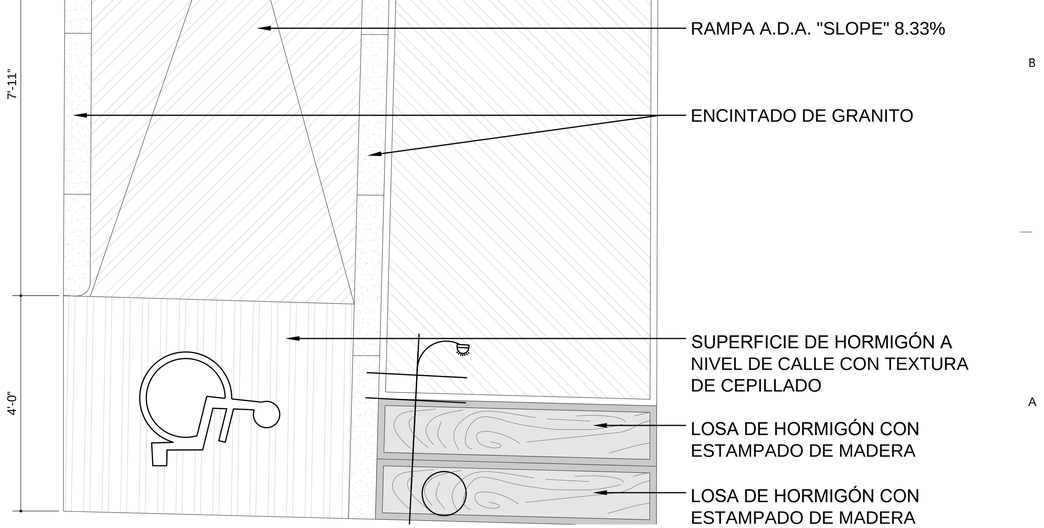
DRAWING TITLE: PATRÓN TÍPICO DE ACERA		SHEET Nº: A-06
DRAWN BY: SEBASTIAN FELICIANO	PHASE: PRELIMINARY PHASE	
	DATE:	PRINT DATE: 14 DE MAYO DE 2024



1 ENTRADA SUR AL PASEO
SCALE:1/2" = 1'-0"



2 PAÑO EN HORMIGÓN ENTRE PRIMER MODULO Y RAMPA
SCALE:3/4" = 1'-0"



3 RAMPA DE ENTRADA SUR
SCALE:3/4" = 1'-0"

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, MI HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

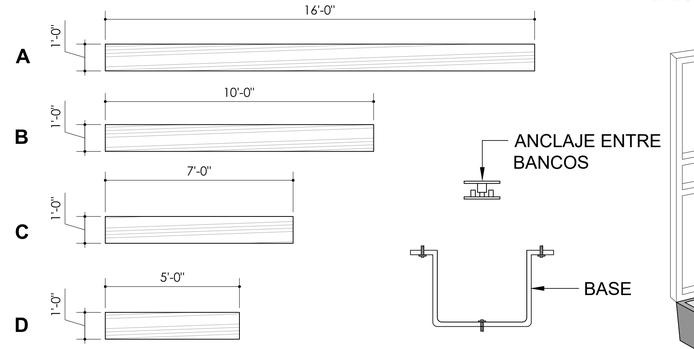
DRAWING TITLE: PATRÓN TÍPICO DE ACERA

SHEET Nº: A-07

DRAWN BY: SEBASTIÁN FELICIANO

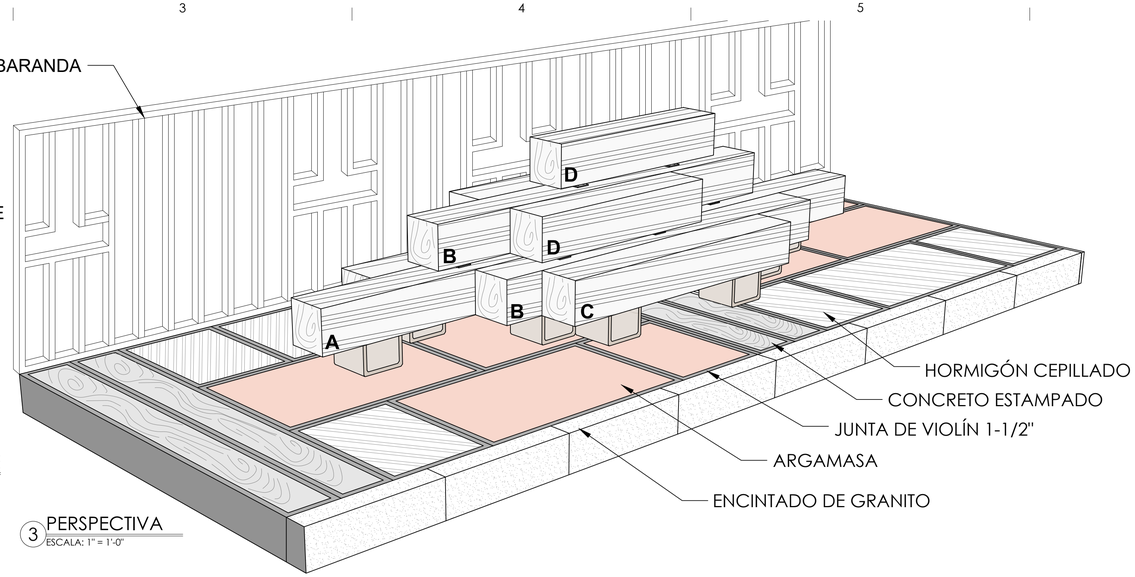
PHASE: PRELIMINARY PHASE

PRINT DATE: 14 DE MAYO DE 2024



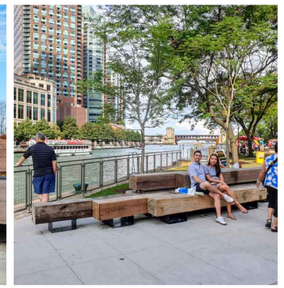
1 TAMAÑOS DE BANCOS
ESCALA: 3/8" = 1'-0"

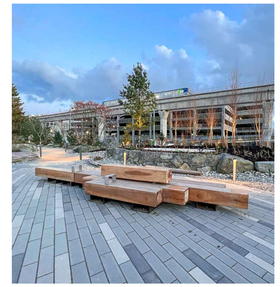
2 ELEMENTOS DE ANCLAJE
ESCALA: 1-1/2" = 1'-0"



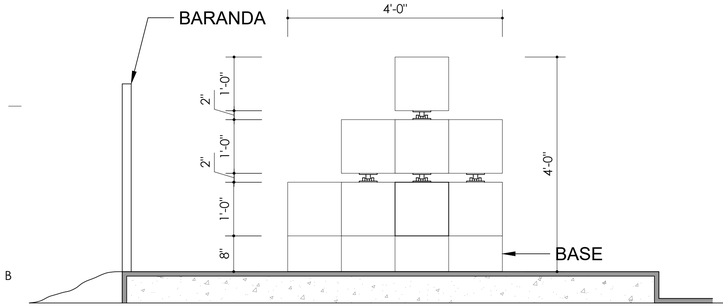
3 PERSPECTIVA
ESCALA: 1" = 1'-0"

IMÁGENES DE PRODUCTO: STREETLIFE DRIFTER BENCHES

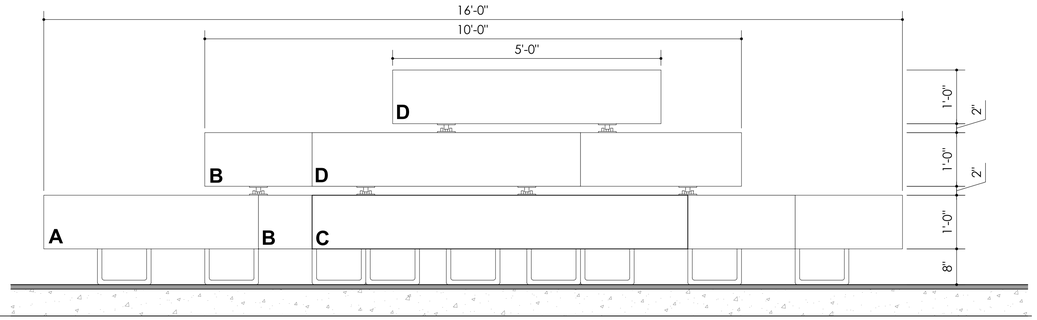




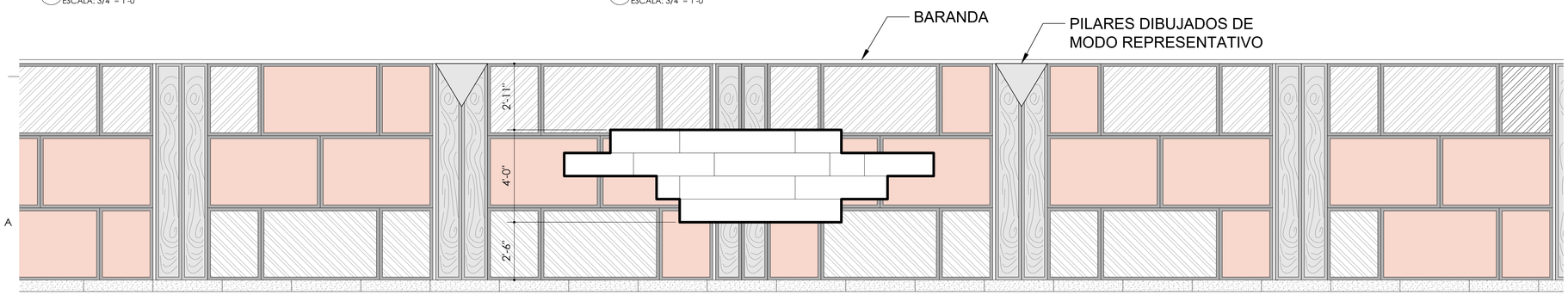
7 MATERIALIDAD



4 ELEVACIÓN LATERAL
ESCALA: 3/4" = 1'-0"



5 ELEVACIÓN FRONTAL
ESCALA: 3/4" = 1'-0"



6 EMPLAZAMIENTO
ESCALA: 3/16" = 1'-0"

COORDENADAS:
18° 27' 21° N; 66° 32' 15° W

NOTAS GENERALES:

1. CANTIDAD DE PIEZAS POR BANCO PUEDE VARIAR.
2. UNIDADES INDEPENDIENTES PUEDEN ESTAR EN OTRAS AREAS DEL PASEO.
3. COORDENADAS INDICAN CENTRO DE MASA.

N

COORDENADAS:
18° 27' 21° N; 66° 32' 15° W

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION. IN ORDER TO REVISE AND OR CORRECT IT IN TIME, THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

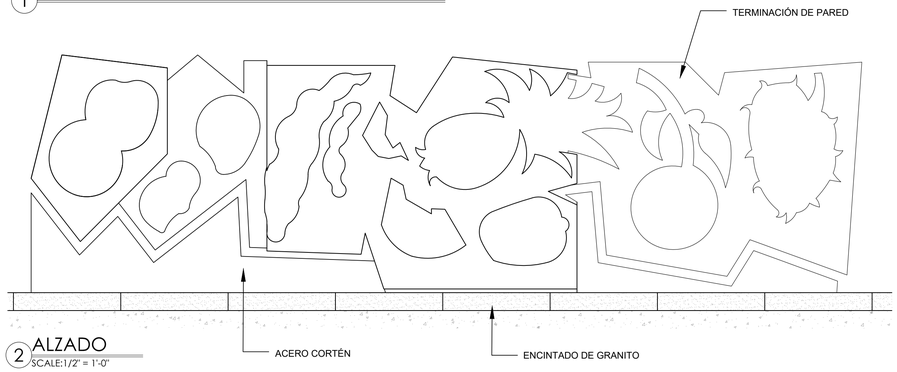
NOT FOR CONSTRUCTION

REVISIONS			
SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: DISTRIBUCIÓN DE BANCOS		SHEET Nº: A-08
DRAWN BY: SEBASTIAN FELICIANO	PHASE: PRELIMINARY PHASE	
	DATE:	PRINT DATE: 14 DE MAYO DE 2024

1 FOTO DE REFERENCIA- MURALL LOTUS 1980'S

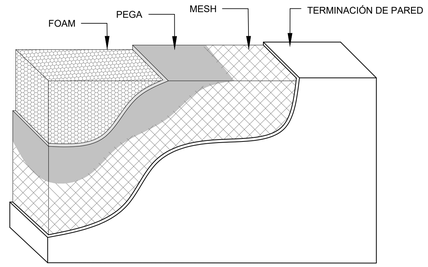


2 ALZADO
SCALE:1/2" = 1'-0"

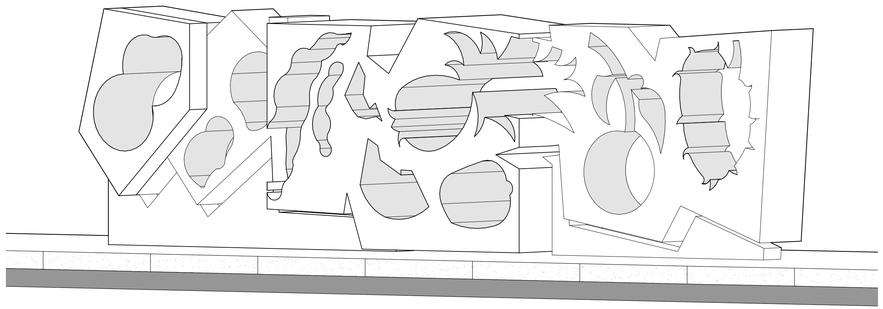
3 BASE- ACERO CORTÉN

4 MATERIAL- GRAVILLA

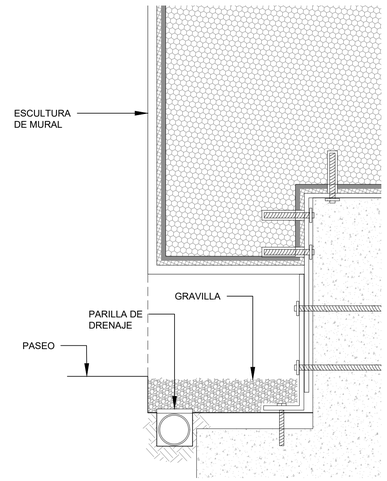
5 CONCRETO FLOTADO



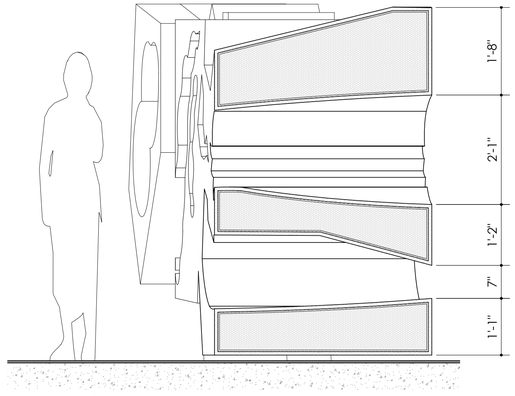
7 MATERIALIDAD DE MURAL



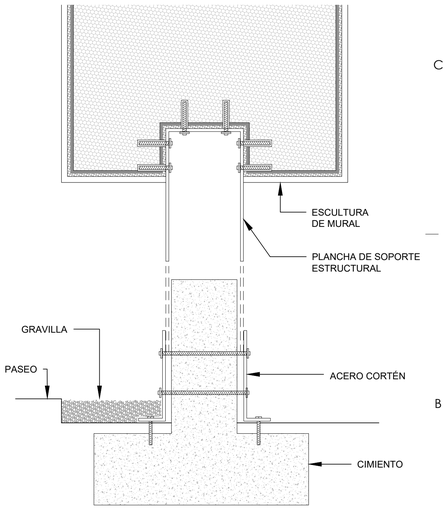
8 PERSPECTIVA- MURAL CONCRETO
SCALE:3/4" = 1'-0"



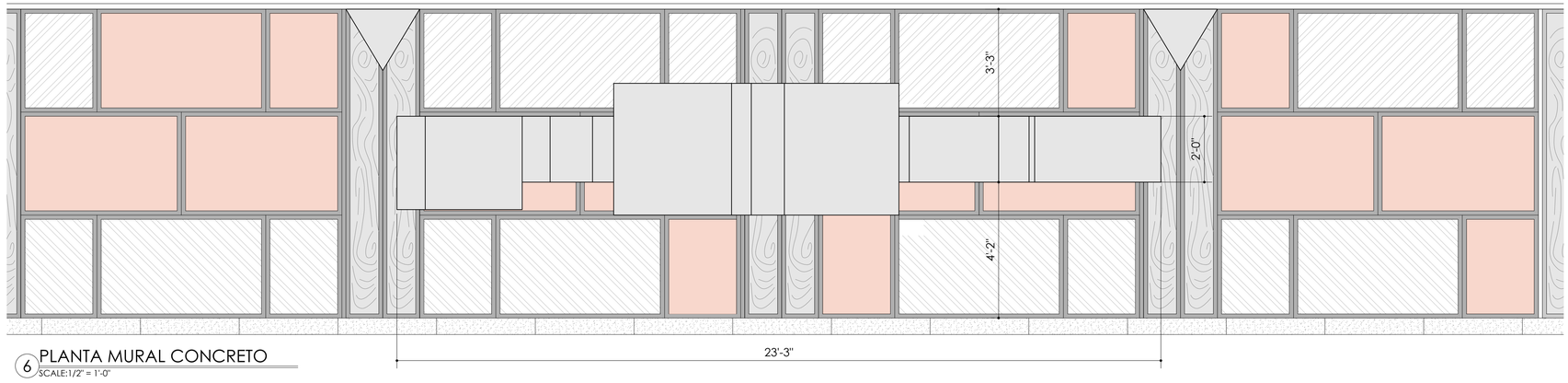
9 DETALLE DE DRENAJE
SCALE:1-1/2" = 1'-0"



10 SECCIÓN TRANSVERSAL
SCALE:1" = 1'-0"



11 SOPORTE DE BASE
SCALE:1" = 1'-0"



6 PLANTA MURAL CONCRETO
SCALE:1/2" = 1'-0"

NOTAS GENERALES:

1. PIEZA SERAN CONSTRUIDAS CON FOAM ESTRUCTURAL.
2. TERMINACION FINAL SERA ESPECIFICADA EN PROXIMAS FASES.
3. COORDENADAS INDICAN CENTRO DE MASA.

N

COORDENADAS:
18° 27' 21" N; 66° 32' 15" W

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK, CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME, THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM, BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: DETALLES DE ESCULTURA DE MURAL DE LA LOTUS

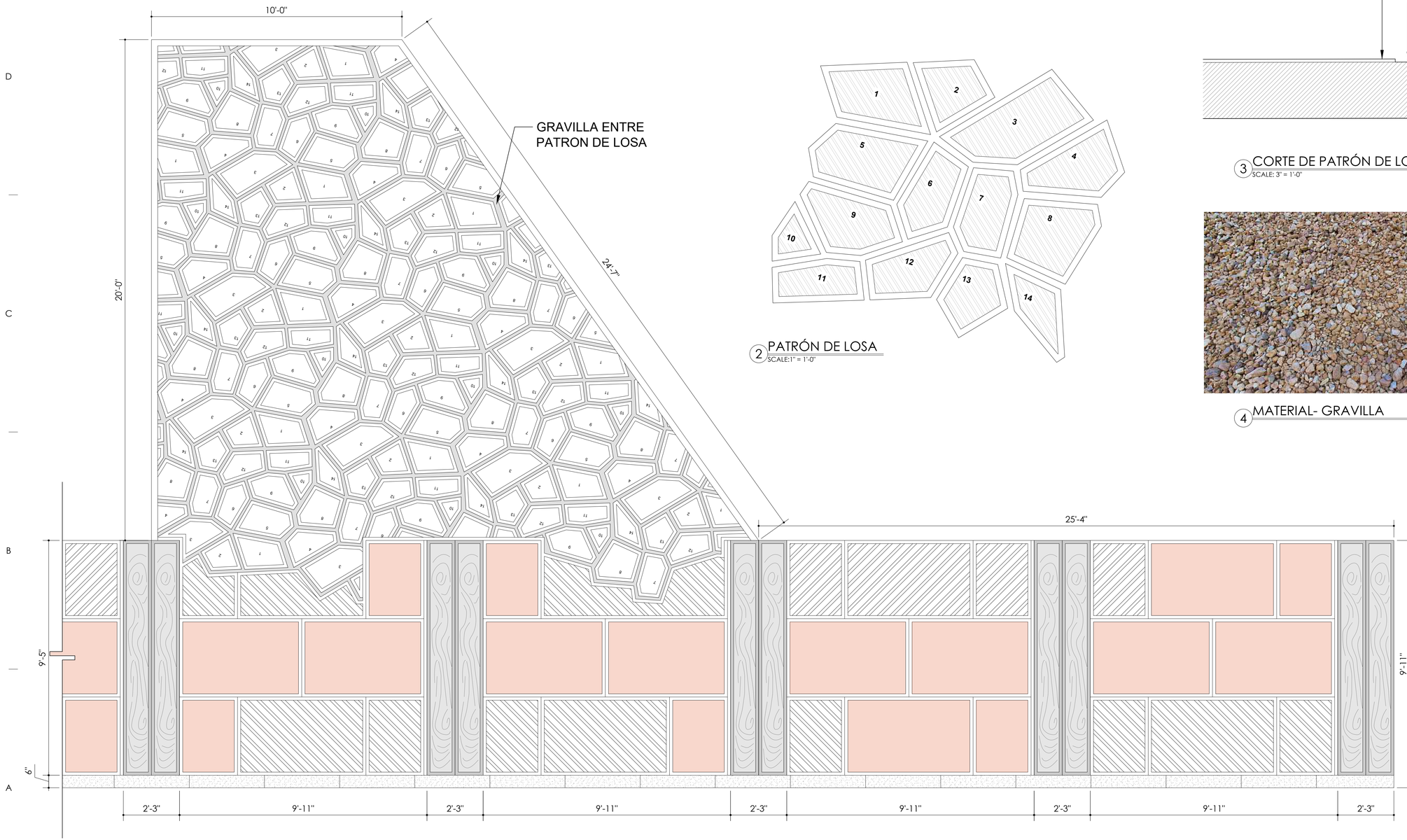
SHEET Nº: A-09

DRAWN BY: SEBASTIAN FELICIANO

PHASE: PRELIMINARY PHASE

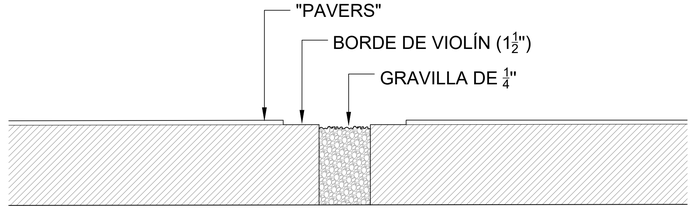
DATE:

PRINT DATE: 14 DE MAYO DE 2024



1 PLATAFORMA DE OBSERVACIÓN
SCALE:1/2" = 1'-0"

2 PATRÓN DE LOSA
SCALE:1" = 1'-0"



3 CORTE DE PATRÓN DE LOSA
SCALE: 3" = 1'-0"

4 MATERIAL- GRAVILLA

NOTAS GENERALES:

1. PATRÓN TÍPICO SERÁ MODIFICADO POR RAMPA (ADA) Y ELEMENTOS URBANOS EXISTENTES.
2. GRAVILLA DEBERA SER FIJADA POR SELLADOR QUE PERMITA QUE EL AGUA PERCOLE.

N

COORDENADAS:

1) 18° 27'13° N ; 66° 32'15° W
2) 18o 27'23.5o N ; 66o 32'15o W

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME, THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED, PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

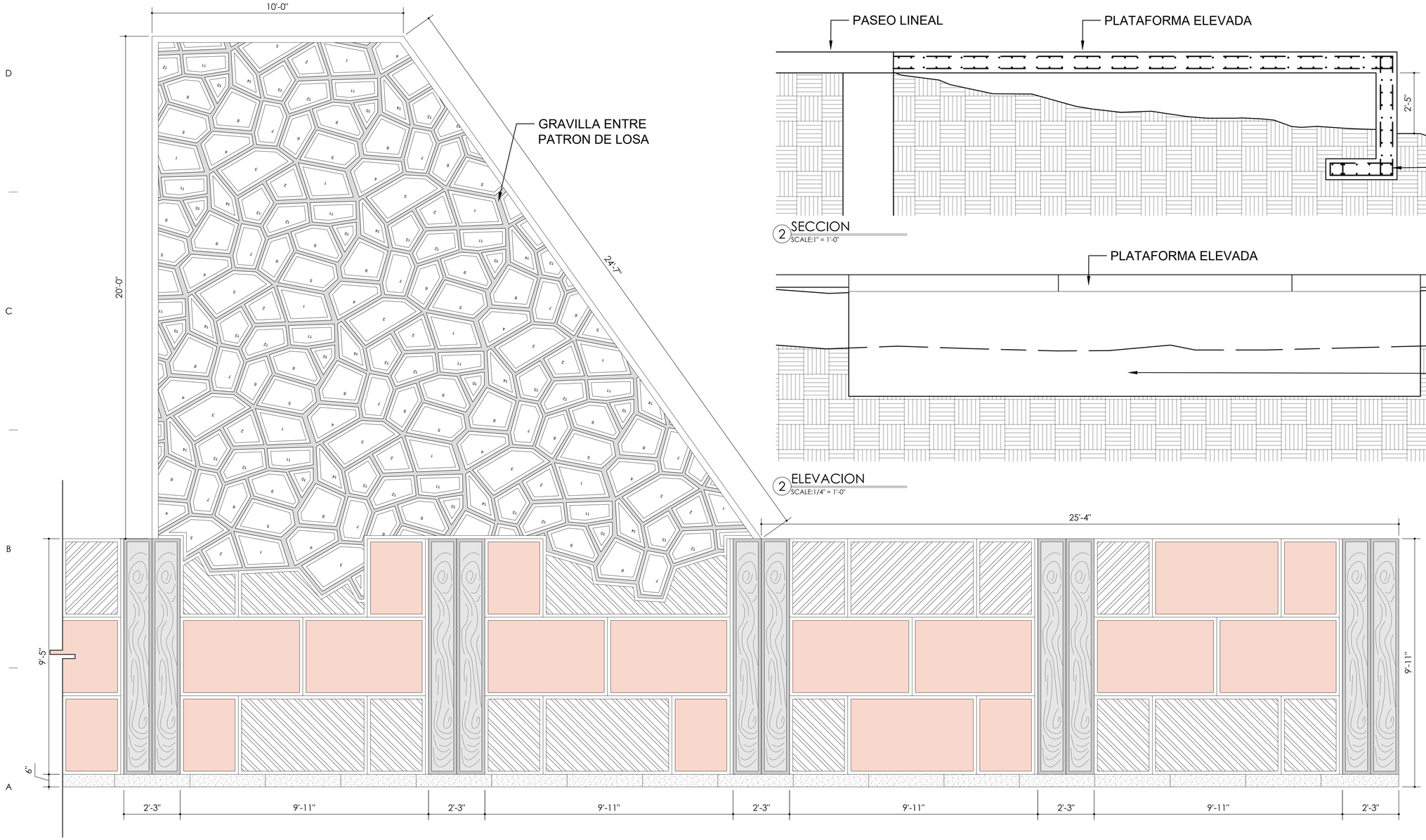
PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

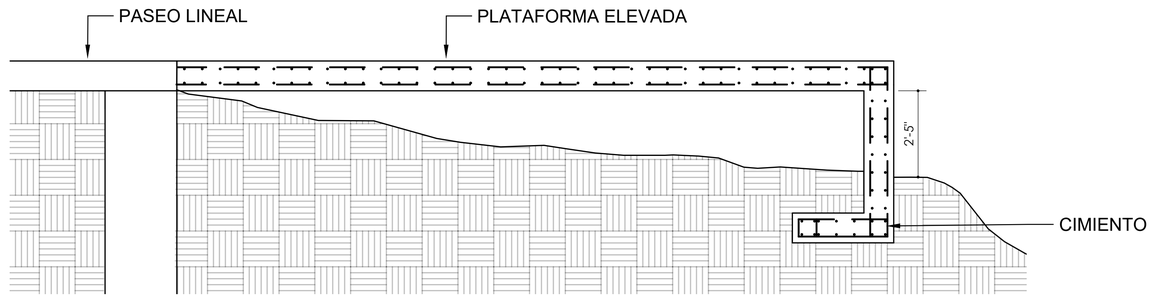
REVISIONS			
SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: PATRON EN PLATAFORMA DE OBSERVACIÓN		SHEET Nº: A-10
DRAWN BY:	PHASE: PRELIMINARY PHASE	
	DATE:	PRINT DATE: 14 DE MAYO DE 2024



1 PLATAFORMA DE OBSERVACIÓN
SCALE:1/2" = 1'-0"



2 SECCION
SCALE:1" = 1'-0"

2 ELEVACION
SCALE:1/4" = 1'-0"

N

COORDENADAS:
1) 18° 27'13" N ; 66° 32'15" W
2) 18o 27'23.5o N ; 66o 32'15o W

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: PLATAFORMA DE OBSERVACIÓN SUR

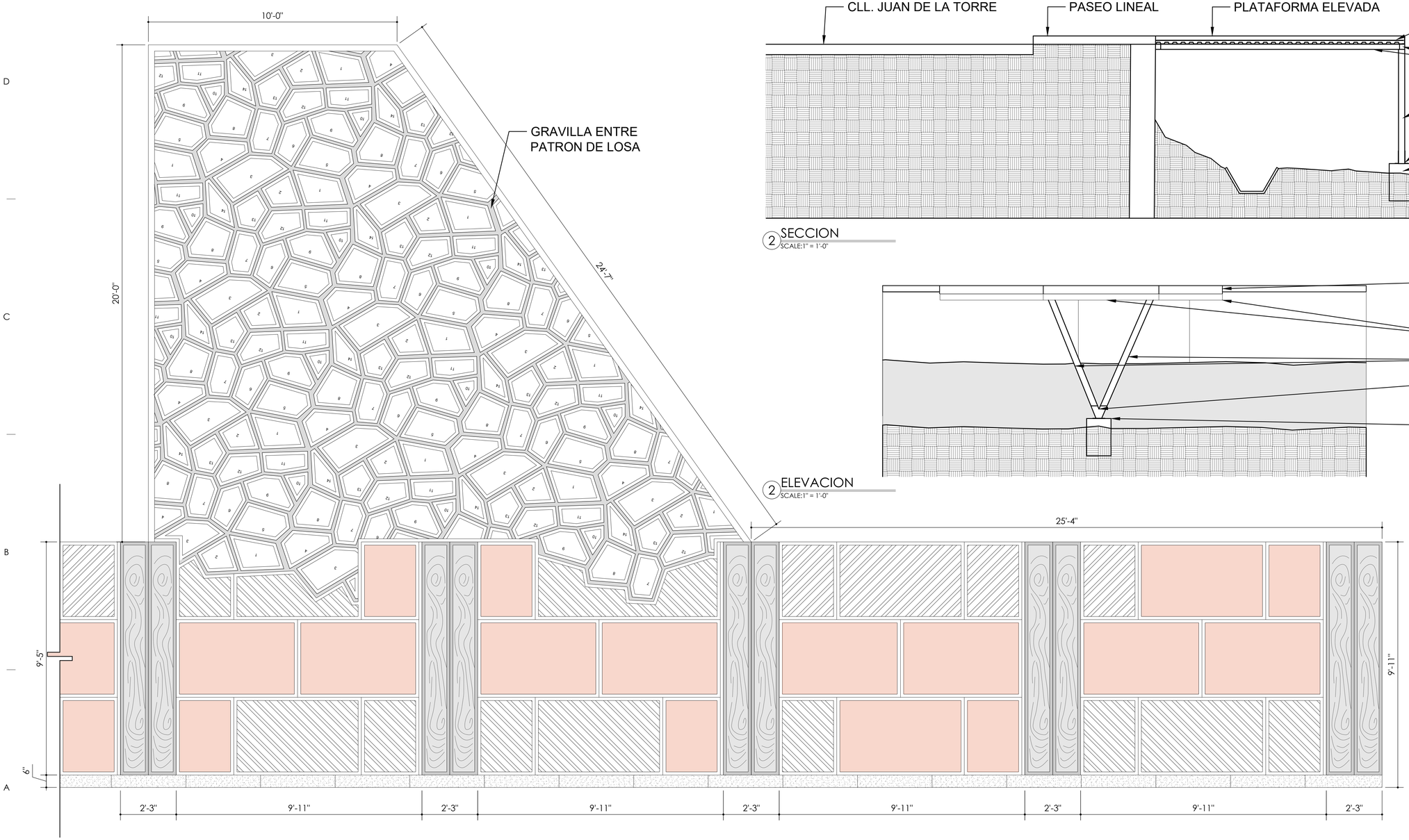
SHEET Nº: A-11

DRAWN BY:

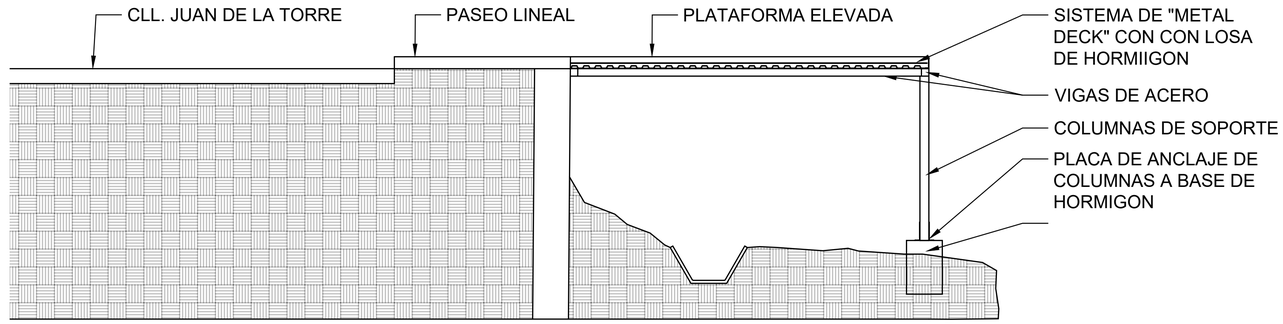
PHASE: PRELIMINARY PHASE

DATE:

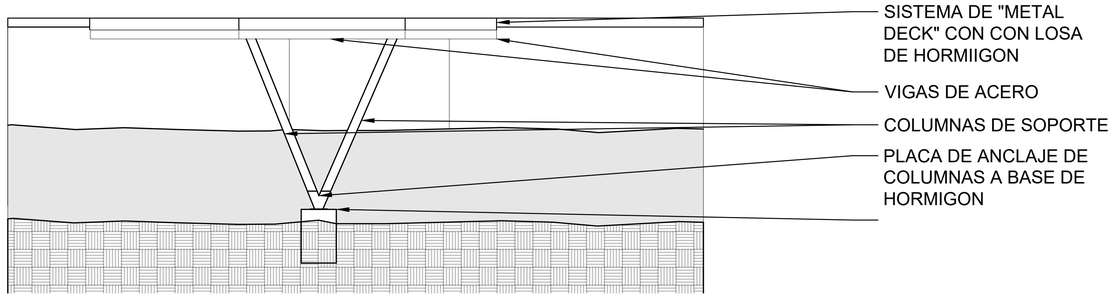
PRINT DATE: 14 DE MAYO DE 2024



1 PLATAFORMA DE OBSERVACIÓN
SCALE:1/2" = 1'-0"



2 SECCION
SCALE:1" = 1'-0"



2 ELEVACION
SCALE:1" = 1'-0"

N

COORDENADAS:
1) 18° 27'13° N ; 66° 32'15° W
2) 18° 27'23.5° N ; 66° 32'15° W

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

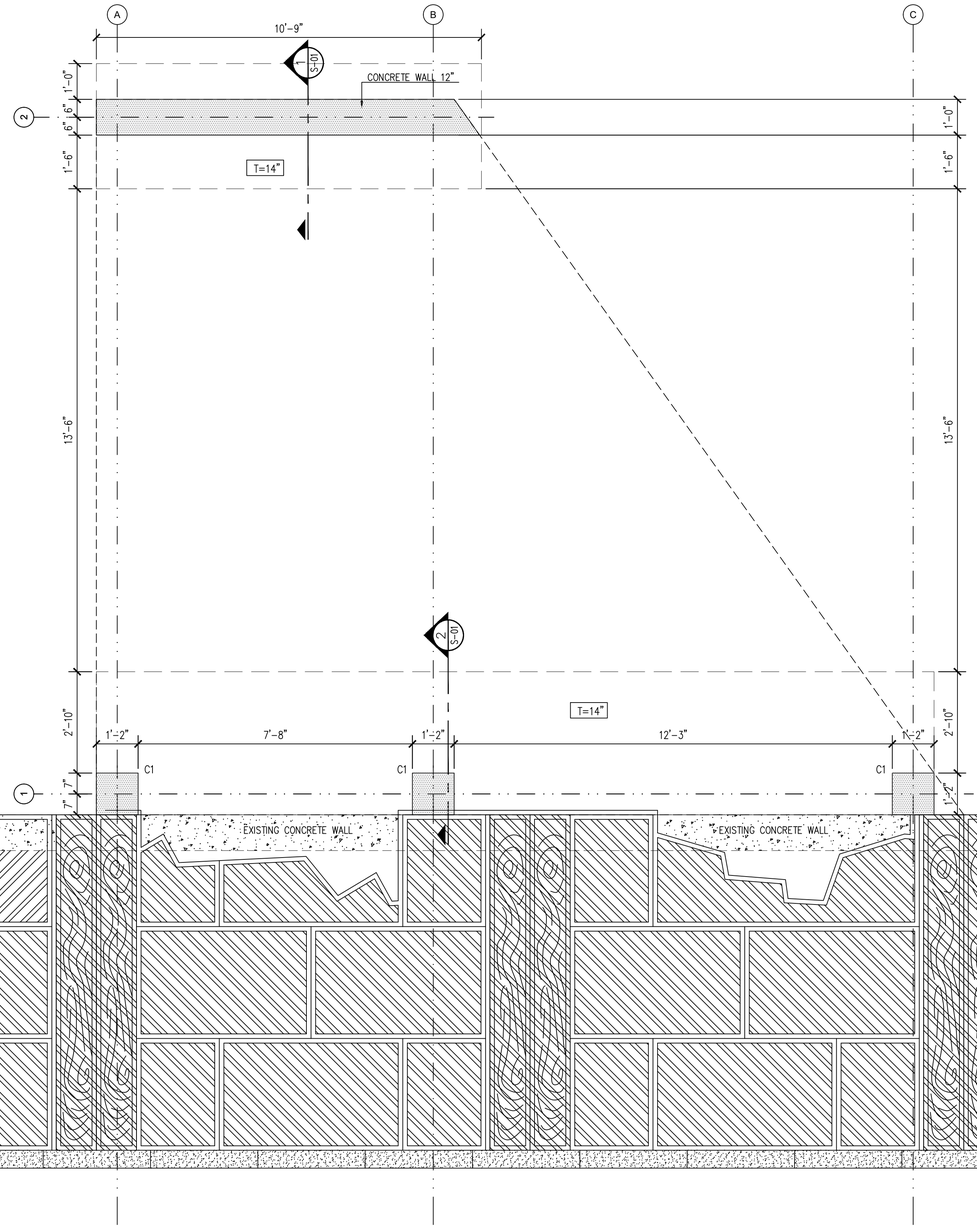
PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS			
SYMB.	DESCRIPTION	DATE	APPROVAL

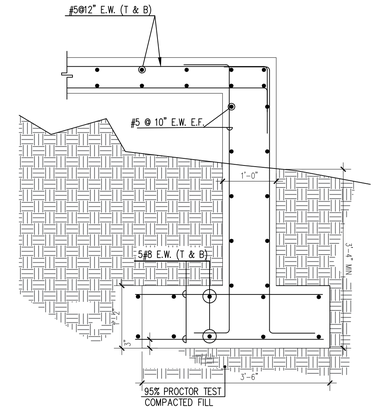
JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: PLATAFORMA DE OBSERVACIÓN NORTE	SHEET Nº: A-12
DRAWN BY:	PHASE: PRELIMINARY PHASE
	DATE:
	PRINT DATE: 14 DE MAYO DE 2024



FOUNDATION PLAN - CONCRETE WALL PROPOSAL

SCALE:1/2" = 1'-0"



SECTION

SCALE: 3/4"=1'-0" (1 / S-01)

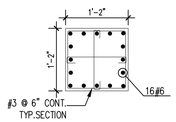
LEGEND:

E.W.	EACH WAY
E.F.	EACH FACE
B	BOTTOM REINFORCEMENT
T	TOP REINFORCEMENT
	WALL OR COLUMN BELOW SLAB

NOTE:

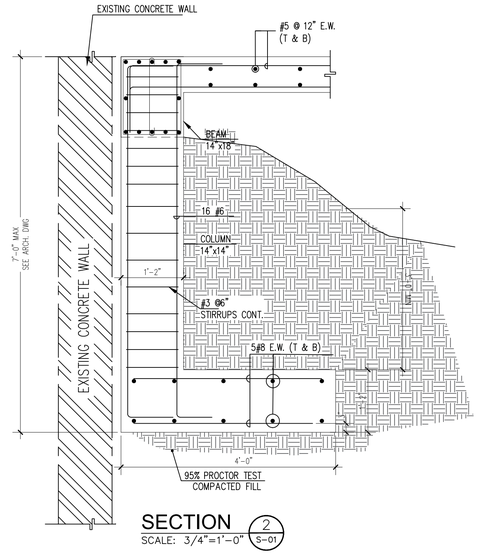
- ALL FOUNDATION WORK AND SOIL CAPACITY MUST BE VERIFY BY A GEOTECHNICAL ENGINEER. BEARING CAPACITY ASSUMED 2,000 PSF
- THE CONTRACTOR MUST BE SUBMIT SHOP DRAWINGS. ALL DIMENSIONS MUST BE TO CONFIRM WITH ARCHITECTURAL DRAWINGS

  F'C= 4,000 PSI
  FY=60 KSI
- ALL EXCAVATIONS AND FOUNDATIONS WORKS MUST BE TO COORDINATE AND SUPERVISED WITH A GEOTECHNICAL ENGINEER



COLUMN C-1

SCALE: 3/4"=1'-0"



SECTION

SCALE: 3/4"=1'-0" (2 / S-01)

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, MONICA A. SANTOS ESCOBAR LICENCIA 19044 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

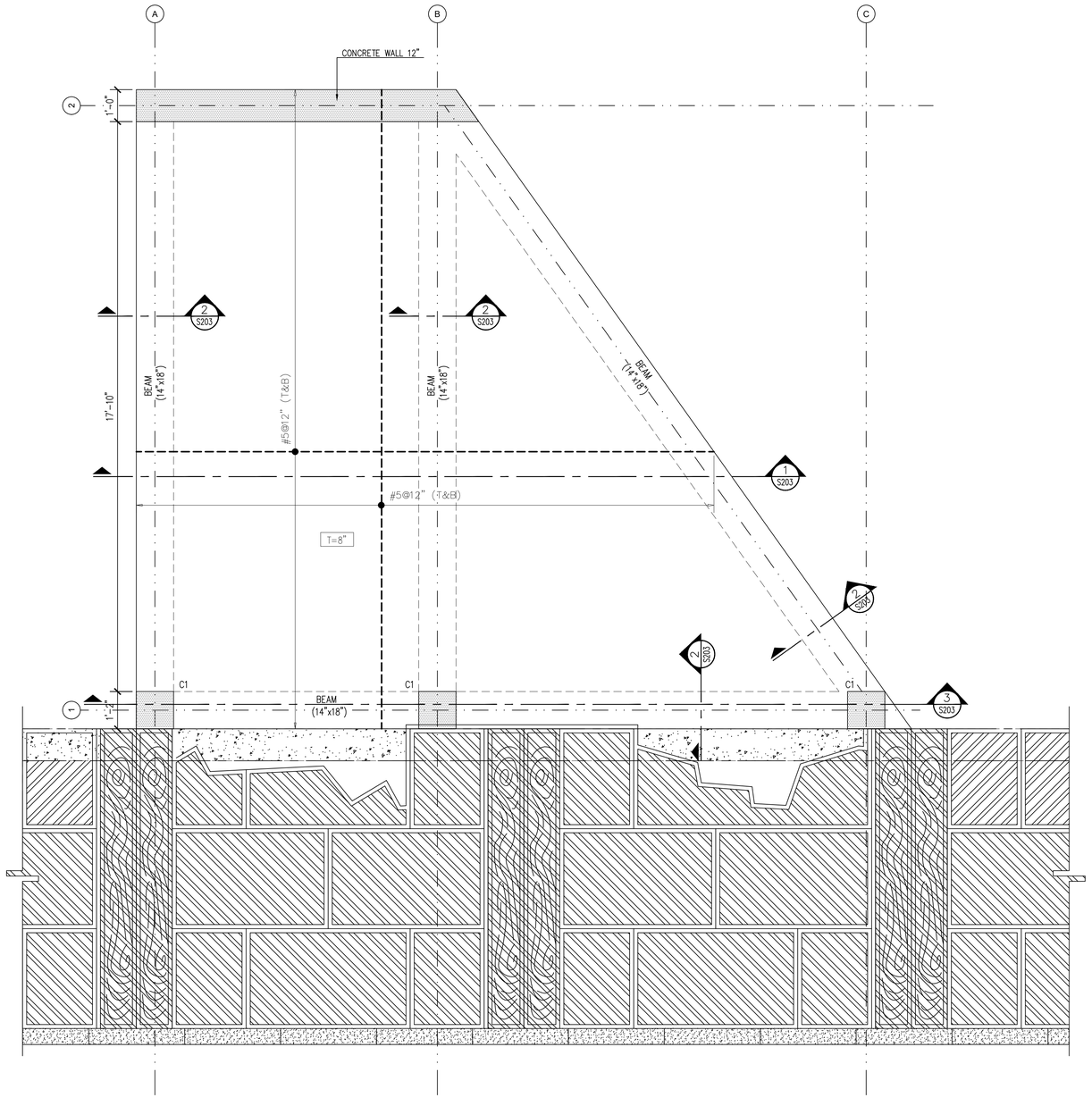
NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

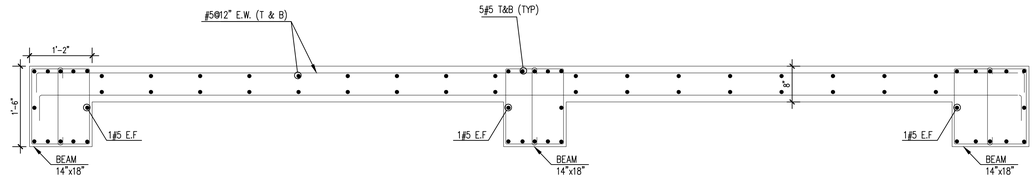
JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: STRUCTURAL FOUNDATION PLAN AND DETAILS	SHEET Nº: S-01
DRAWN BY: LUIS RODRIGUEZ POWELL	PHASE: DISEÑO ESQUEMÁTICO
DATE: 18 DE ABRIL DE 2024	PRINT DATE: 22 DE ABRIL DE 2024



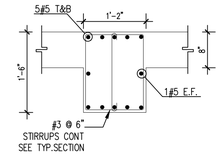
FLOOR SLAB - CONCRETE WALL PROPOSAL

SCALE:1/2" = 1'-0"



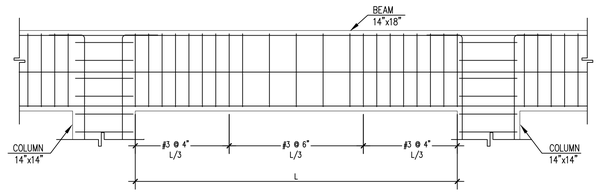
CONCRETE SLAB - SECTION (1 / S-02)

SCALE: 3/4"=1'-0"



BEAM 14"x18" (2 / S-02)

SCALE: 3/4"=1'-0"



TYPICAL BEAM ON COLUMN SECTION (3 / S-02)

SCALE: 3/4"=1'-0"

LEGEND:

E.W.	EACH WAY
E.F.	EACH FACE
B	BOTTOM REINFORCEMENT
T	TOP REINFORCEMENT
	WALL OR COLUMN BELOW SLAB

NOTE:

- ALL FOUNDATION WORK AND SOIL CAPACITY MUST BE VERIFY BY A GEOTECHNICAL ENGINEER. BEARING CAPACITY ASSUMED 2,000 PSF
- THE CONTRACTOR MUST BE SUBMIT SHOP DRAWINGS. ALL DIMENSIONS MUST BE TO CONFIRM WITH ARCHITECTURAL DRAWINGS

  F'C= 4,000 PSI
  FY=60 KSI
- ALL EXCAVATIONS AND FOUNDATIONS WORKS MUST BE TO COORDINATE AND SUPERVISED WITH A GEOTECHNICAL ENGINEER

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, MONICA A. SANTOS ESCOBAR LICENCIA 19044 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

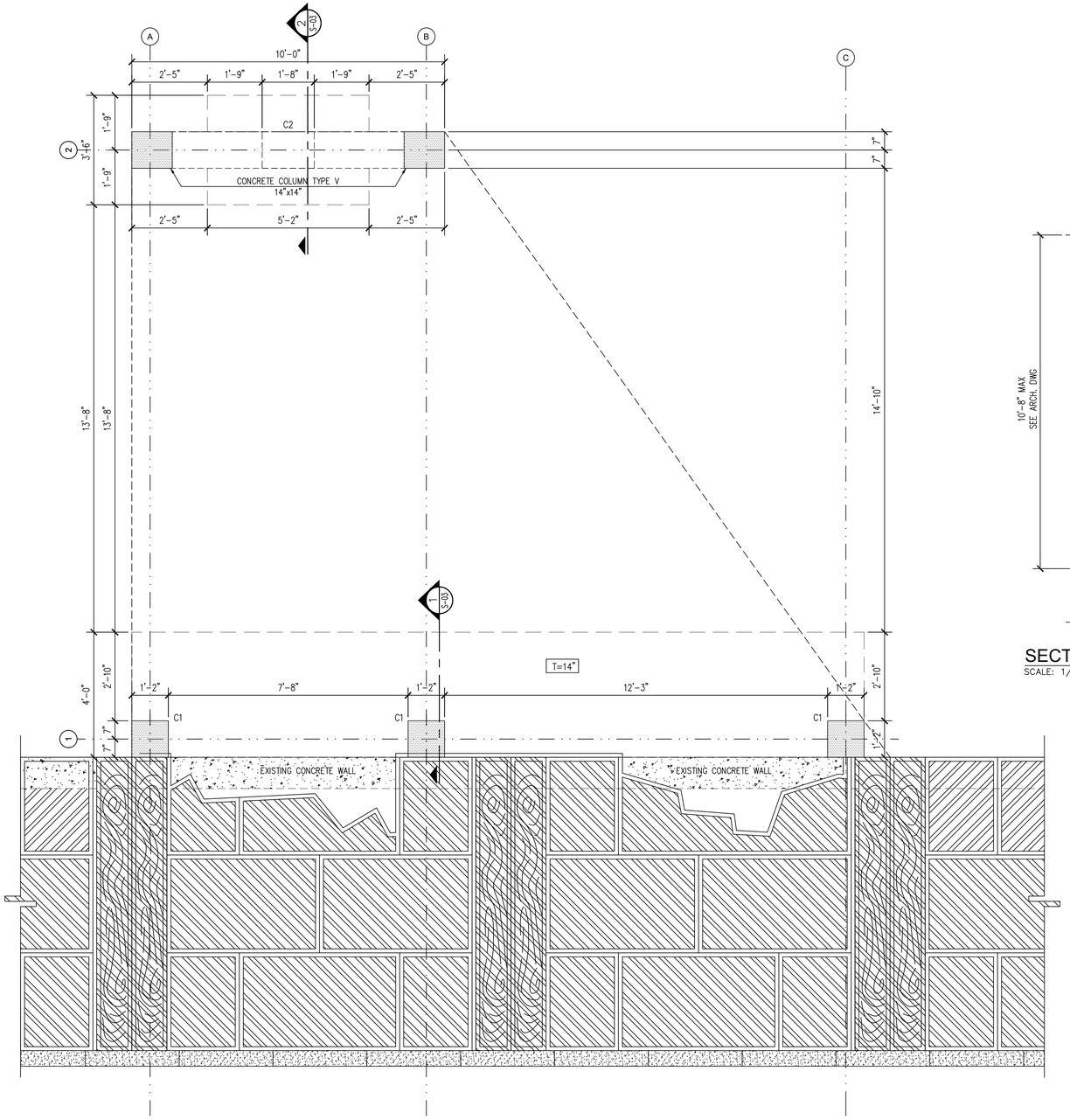
NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

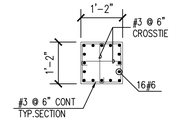
JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 835 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE:	STRUCTURAL SLAB PLAN AND DETAILS
SHEET Nº:	S-02
DRAWN BY:	LUIS RODRIGUEZ POWELL
PHASE:	DISEÑO ESQUEMÁTICO
DATE:	18 DE ABRIL DE 2024
PRINT DATE:	22 DE ABRIL DE 2024



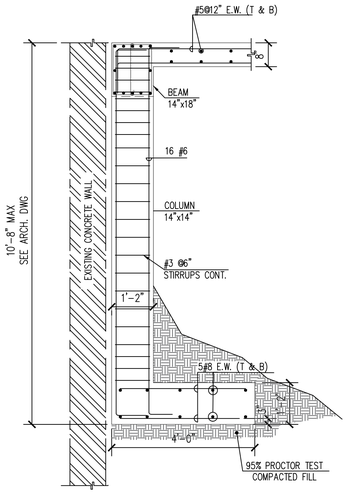
FOUNDATION PLAN - COLUMN TYPE "V" PROPOSAL

SCALE: 1/2" = 1'-0"



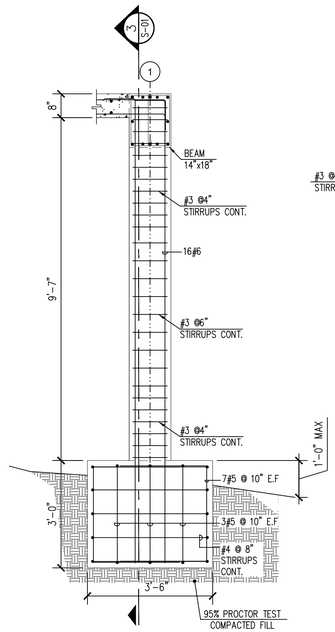
COLUMN C1

SCALE: 1/2"=1'-0"



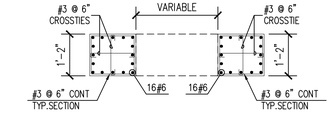
SECTION 1 S-03

SCALE: 1/2"=1'-0"



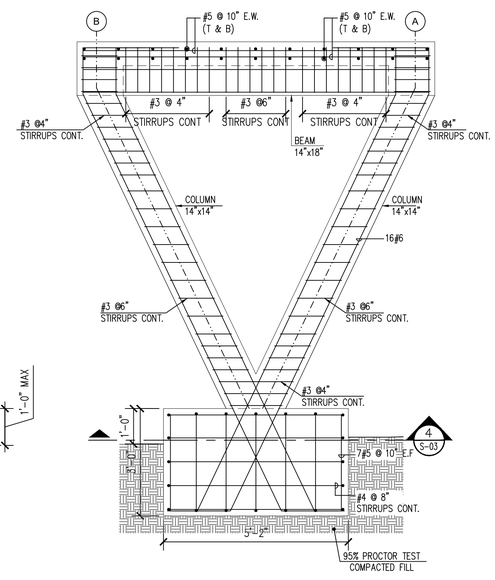
SECTION 2 S-03

SCALE: 1/2"=1'-0"



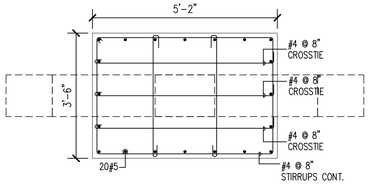
COLUMN C-2 TYPE "V"

SCALE: 1/2"=1'-0"



SECTION 3 S-03

SCALE: 1/2"=1'-0"



SECTION 4 S-03

SCALE: 1/2"=1'-0"

LEGEND:

E.W.	EACH WAY
E.F.	EACH FACE
B	BOTTOM REINFORCEMENT
T	TOP REINFORCEMENT
	WALL OR COLUMN BELOW SLAB

NOTE:

- ALL FOUNDATION WORK AND SOIL CAPACITY MUST BE VERIFY BY A GEOTECHNICAL ENGINEER. BEARING CAPACITY ASSUMED 2,000 PSF
- THE CONTRACTOR MUST BE SUBMIT SHOP DRAWINGS. ALL DIMENSIONS MUST BE TO CONFIRM WITH ARCHITECTURAL DRAWINGS

  F'C= 4,000 PSI
  FY=60 KSI
- ALL EXCAVATIONS AND FOUNDATIONS WORKS MUST BE TO COORDINATE AND SUPERVISED WITH A GEOTECHNICAL ENGINEER

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED, PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, MONICA A. SANTOS ESCOBAR LICENCIA 19044 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑO ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, MÍ HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

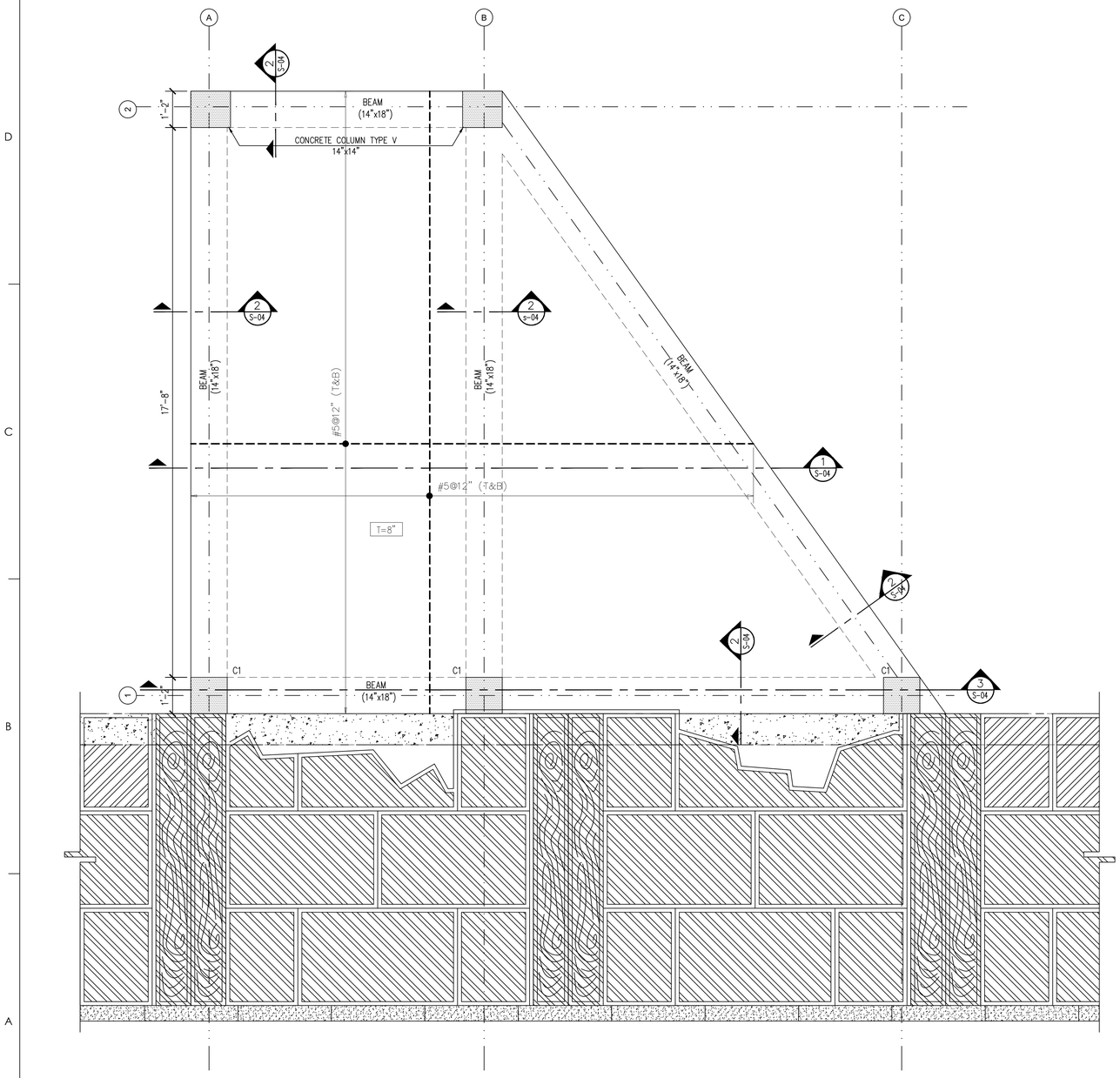
NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

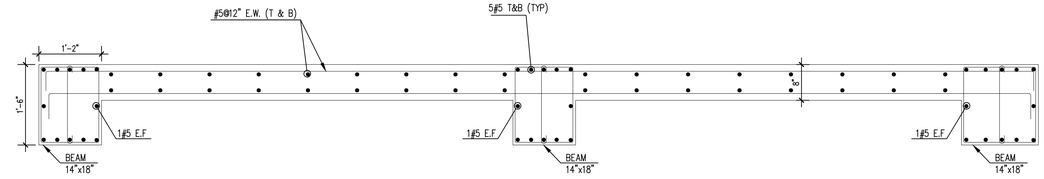
JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: STRUCTURAL FOUNDATION PLAN AND DETAILS	SHEET Nº: S-03
DRAWN BY: LUIS RODRIGUEZ POWELL	PHASE: DISEÑO ESQUEMÁTICO
DATE: 18 DE ABRIL DE 2024	PRINT DATE: 22 DE ABRIL DE 2024



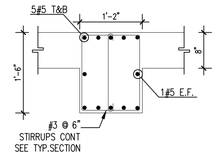
FLOOR PLAN - COLUMN TYPE "V" PROPOSAL

SCALE: 1/2" = 1'-0"



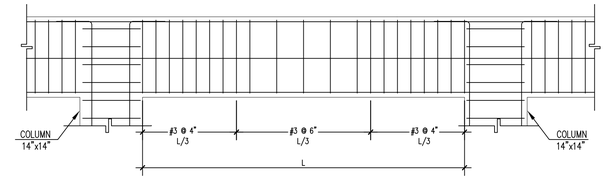
CONCRETE SLAB - SECTION 1 S-04

SCALE: 3/4"=1'-0"



BEAM 14"x18" 2 S-04

SCALE: 3/4"=1'-0"



TYPICAL BEAM ON COLUMN SECTION 3 S-04

SCALE: 3/4"=1'-0"

LEGEND:

E.W.	EACH WAY
E.F.	EACH FACE
B	BOTTOM REINFORCEMENT
T	TOP REINFORCEMENT
	WALL OR COLUMN BELOW SLAB

NOTE:

- ALL FOUNDATION WORK AND SOIL CAPACITY MUST BE VERIFY BY A GEOTECHNICAL ENGINEER. BEARING CAPACITY ASSUMED 2,000 PSF
- THE CONTRACTOR MUST BE SUBMIT SHOP DRAWINGS. ALL DIMENSIONS MUST BE TO CONFIRM WITH ARCHITECTURAL DRAWINGS

  F'C= 4,000 PSI
  FY=60 KSI

- ALL EXCAVATIONS AND FOUNDATIONS WORKS MUST BE TO COORDINATE AND SUPERVISED WITH A GEOTECHNICAL ENGINEER

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, MONICA A. SANTOS ESCOBAR LICENCIA 19044 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: STRUCTURAL SLAB PLAN AND DETAILS

SHEET N°: S-04

DRAWN BY: LUIS RODRIGUEZ POWELL

PHASE: DISEÑO ESQUEMÁTICO

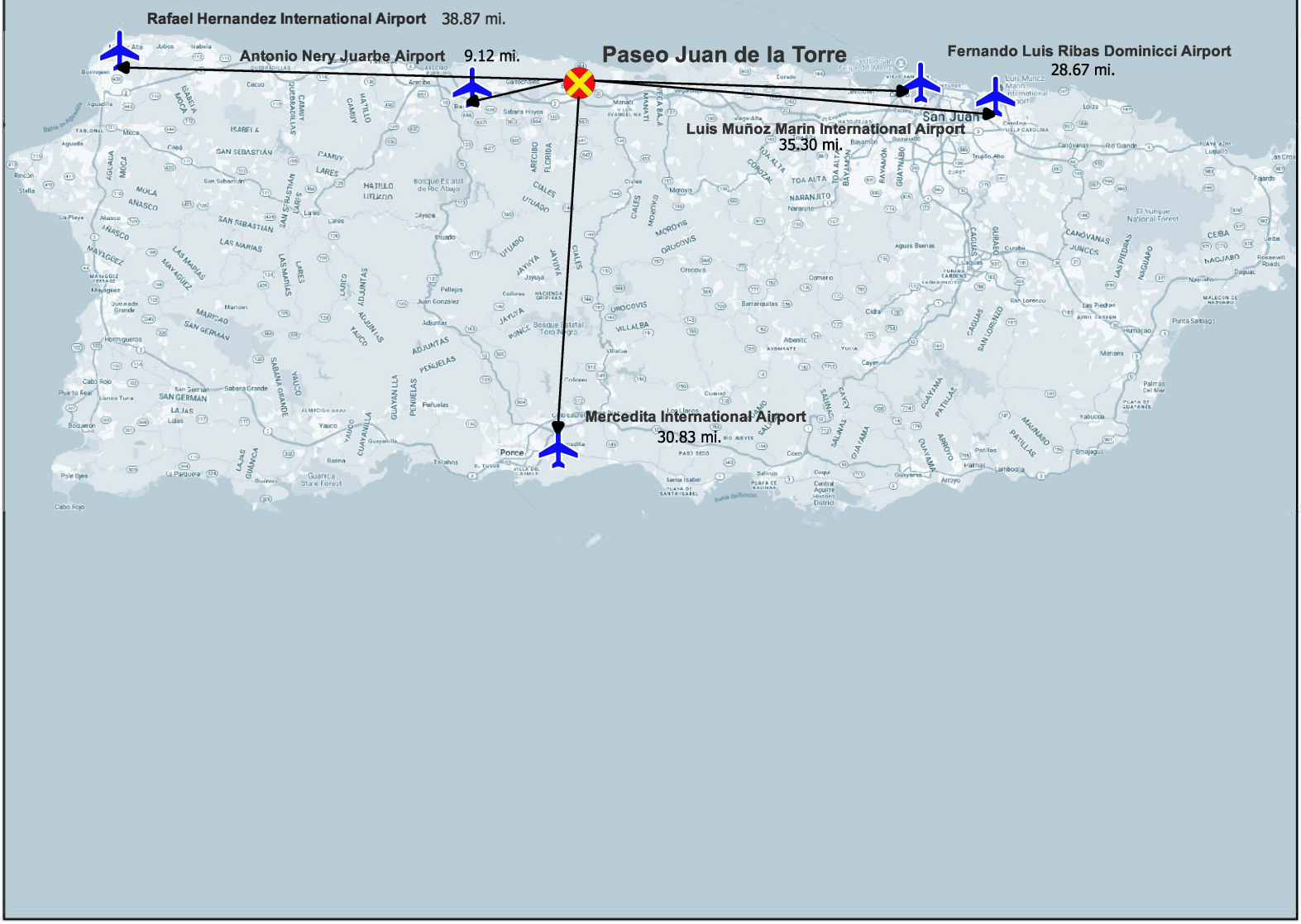
DATE: 18 DE ABRIL DE 2024

PRINT DATE: 22 DE ABRIL DE 2024

Attachment D:
Airport Hazards

Aiport Distance Map
PR-CRP-000541 - Paseo Juan de la Torre
Municipality of Barceloneta, Puerto Rico
Coordinates:
North: (18.458943, -66.534843);
South: (18.453635, -66.537689)

EHSConsulting Services
PO Box 1384, Boquerón, PR 00622
(787) 567-1302



Legend:

- Paseo Juan de la Torre (Center Point)
- Airports (PR)

Scale: 1:850,000

10 0 10 20 km

10 0 10 mi

Spatial Reference:
NAD 83 State Plane Puerto Rico & Virgin Is.
EPSG 32161

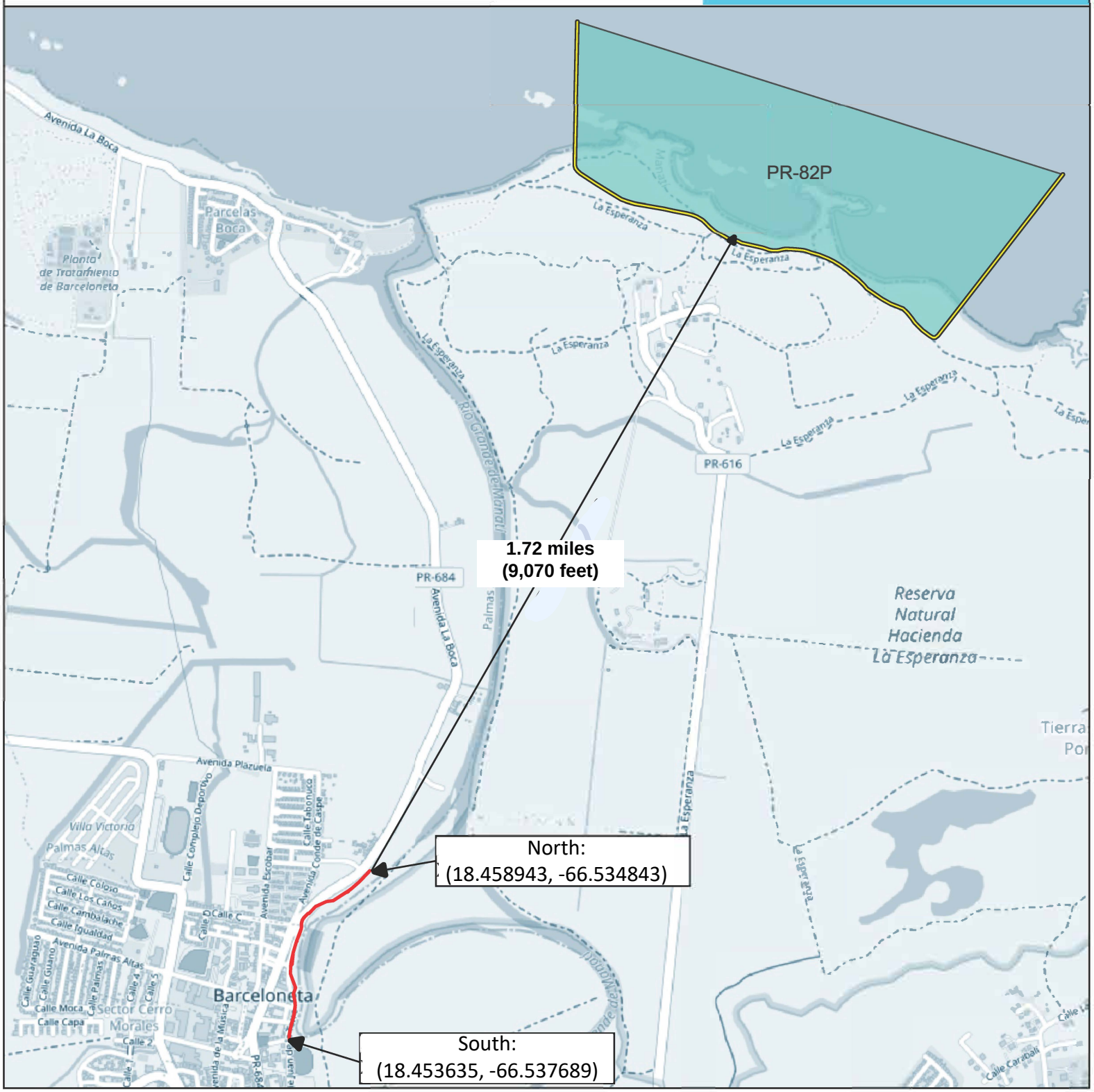
Reference:
Federal Aviation Administration. Airports Data Set.
Data Updated August 7, 2025
Google Maps Tile

Source:
Federal Aviation Administration. Airports Data Set
https://adds-faa.opendata.arcgis.com/datasets/e747ab91a11045e8b3f8a3efd093d3b5_0/explore?location=18.156323%2C-66.332164%2C9.49
Google Maps Tile
https://mt1.google.com/vt/lyrs=r&x={x}&y={y}&z={z}

Attachment E:
Coastal Barrier Resources

Coastal Barriers Map
PR-CRP-000541 - Paseo Juan de la Torre
Municipality of Barceloneta, Puerto Rico
Coordinates:
North: (18.458943, -66.534843);
South: (18.453635, -66.537689)

EHSConsulting Services
PO Box 1384, Boquerón, PR 00622
(787) 567-1302



Legend:

- Paseo Juan de la Torre (2025)
- CBRS PR-82P Punta Manatí
- CBRS-Boundaries Buffer Zone

Scale: 1:20,000

0 250 500 m

0 1,000 2,000 ft

Spatial Reference:
NAD 83 State Plane Puerto Rico & Virgin Is.
EPSG 32161

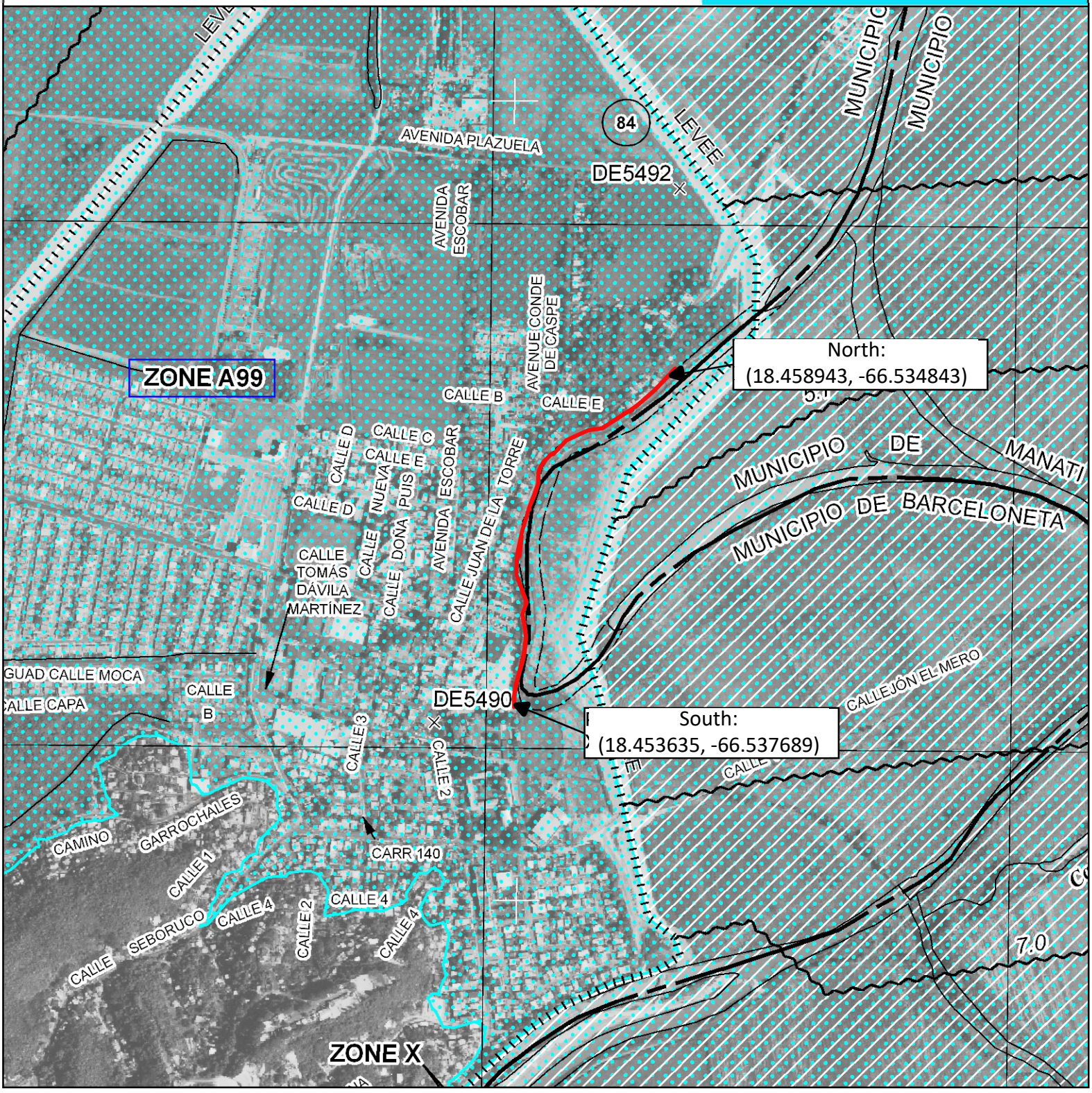
References:
U.S. Fish & Wildlife Service. JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM Map 72-025A. Punta Manati Unit PR-82P. Publication Date: November 15, 2016
Open Street Map Tile

Sources:
U.S. Fish & Wildlife Service. Punta Manati Unit PR-82P. https://www.fws.gov/media/punta-manati-unit-pr-82p
Open Street Map Tile
https://tile.openstreetmap.org/{z}/{x}/{y}.png

Attachment F:
Flood Insurance

Flood Insurance Rate Map
PR-CRP-000541 - Paseo Juan de la Torre
Municipality of Barceloneta, Puerto Rico
Coordinates:
North: (18.458943, -66.534843);
South: (18.453635, -66.537689)

EHSConsulting Services
PO Box 1384, Boquerón, PR 00622
(787) 567-1302



Legend:

Paseo Juan de la Torre (2025)

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

Scale: 1:10,000

0 0.1 0.2 km

0 0.1 0.2 mi

Spatial Reference:
NAD 83 State Plane Puerto Rico & Virgin Is.
EPSG 32161

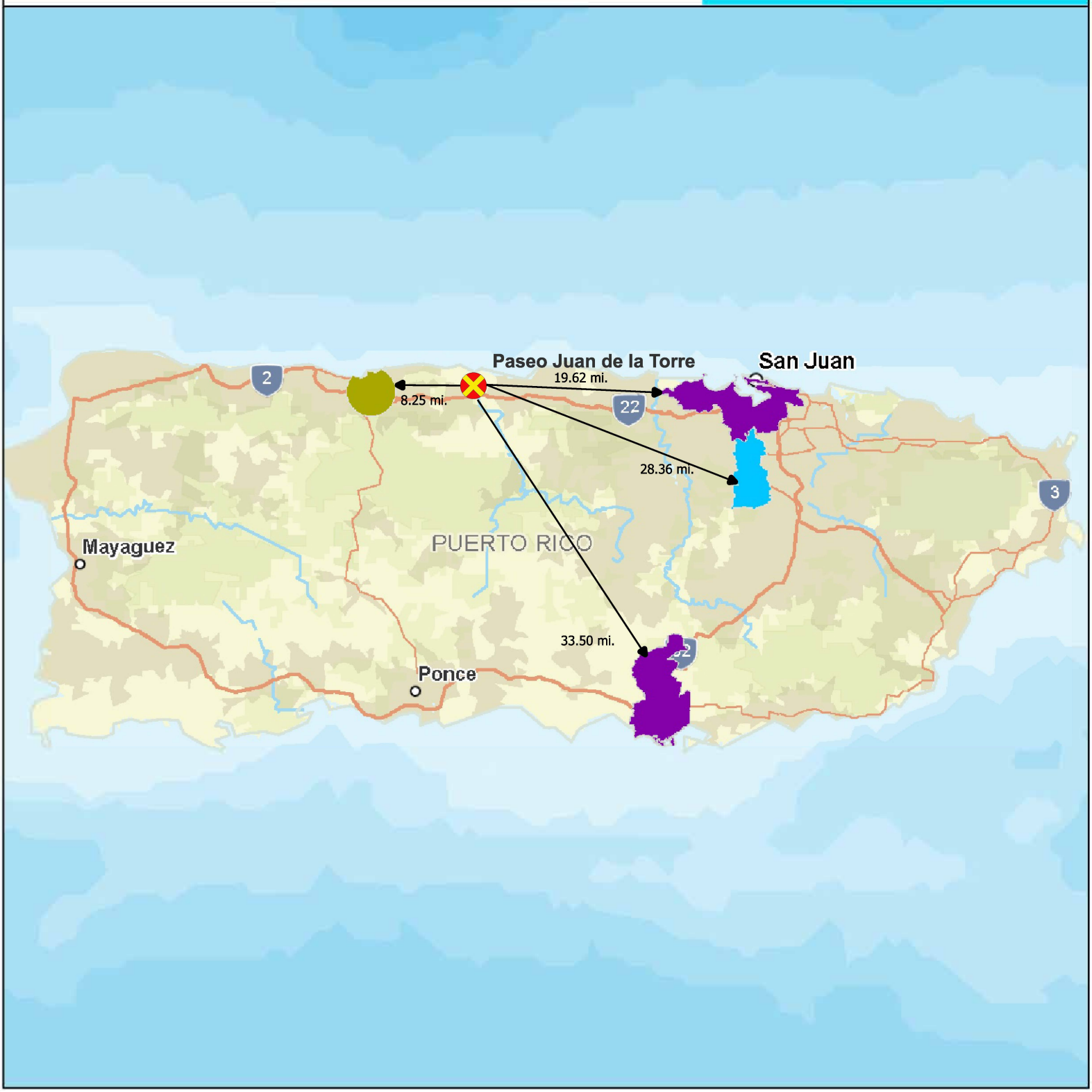
References:
Federal Emergency Management Agency (FEMA)
Flood Insurance Rate Map Panel No. 72000026OJ
Revised November 18, 2009

Sources:
FEMA Flood Map Service Center
https://msc.fema.gov/portal/search?AddressQuery=Barceloneta%2C%20PR

Attachment G:
Clean Air

Air Quality Map
PR-CRP-000541 - Paseo Juan de la Torre
Municipality of Barceloneta, Puerto Rico
Coordinates:
North: (18.458943, -66.534843);
South: (18.453635, -66.537689)

EHSConsulting Services
PO Box 1384, Boquerón, PR 00622
(787) 567-1302



Legend:

Paseo Juan de la Torre

Lead (2008 standard)
- Maintenance
- Nonattainment

SO2 1-hr (2010 standard)
- Nonattainment

PM10 (1987 standard)
- Maintenance

Scale: 1:850,000

10 0 10 20 km

10 0 10 mi

Spatial Reference:
NAD 83 State Plane Puerto Rico & Virgin Is.
EPSG 32161

Reference:
United States Environmental Protection Agency (USEPA)
NEPAssist Tool Non Attainment Areas Map Layer.
Recovered August 19, 2025

Source:
United States Environmental Protection Agency (USEPA)
NEPAssist Tool
https://nepassisttool.epa.gov/nepassist/nepamap.aspx

Discover.

Connect.

Ask.

Follow.

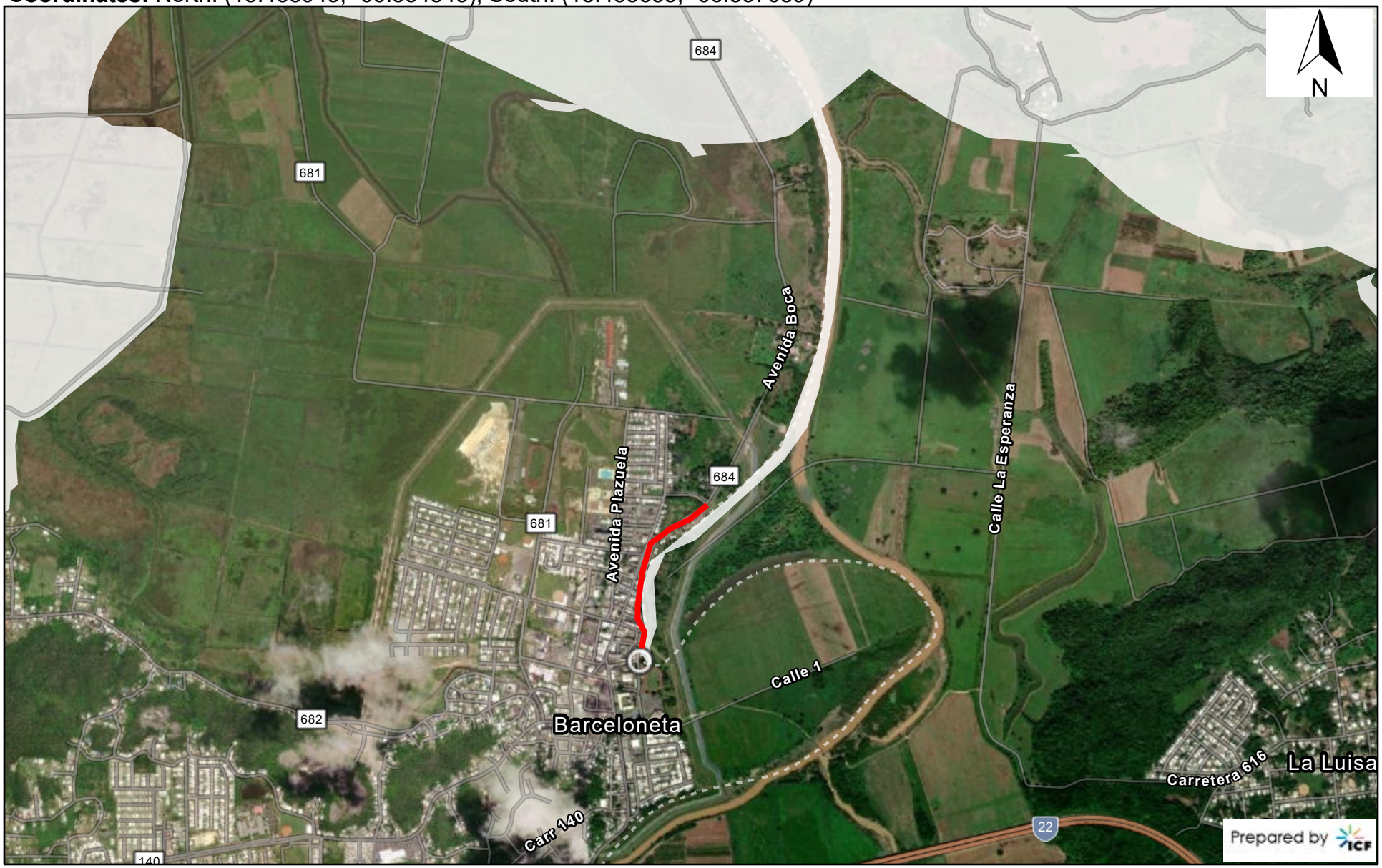
2025-08-31

Attachment H:
Coastal Zone Management

PR-CRP-000541 CZMA Map

Address: Paseo Juan de La Torre, Barceloneta, PR 00617

Coordinates: North: (18.458943, -66.534843); South: (18.453635, -66.537689)



9/25/2025

CoastalZoneManagementAct - Coastal Zone Management Act

coastal zone

World Imagery

Low Resolution 15m Imagery

High Resolution 60cm Imagery

High Resolution 30cm Imagery

Citations

4.8m Resolution Metadata

1:23,509

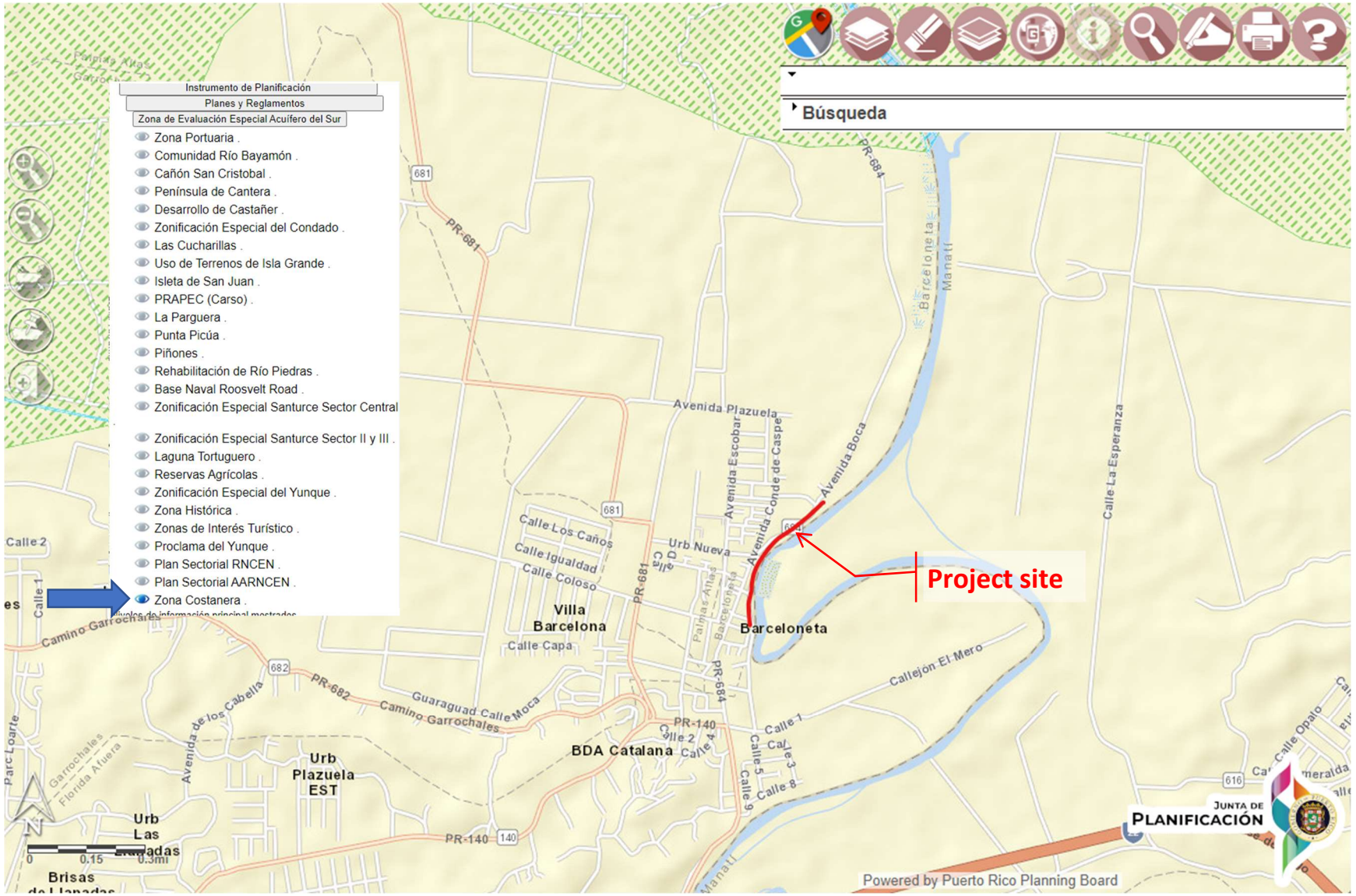
0 0.17 0.35 0.7 mi

0 0.3 0.6 1.2 km

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar

Coastal Zone Boundary Map
PR-CRP-000541 - Paseo Juan de la Torre
Municipality of Barceloneta, Puerto Rico

Coordinates:
North: (18.458943, -66.534843)
South: (18.453635, -66.537689)



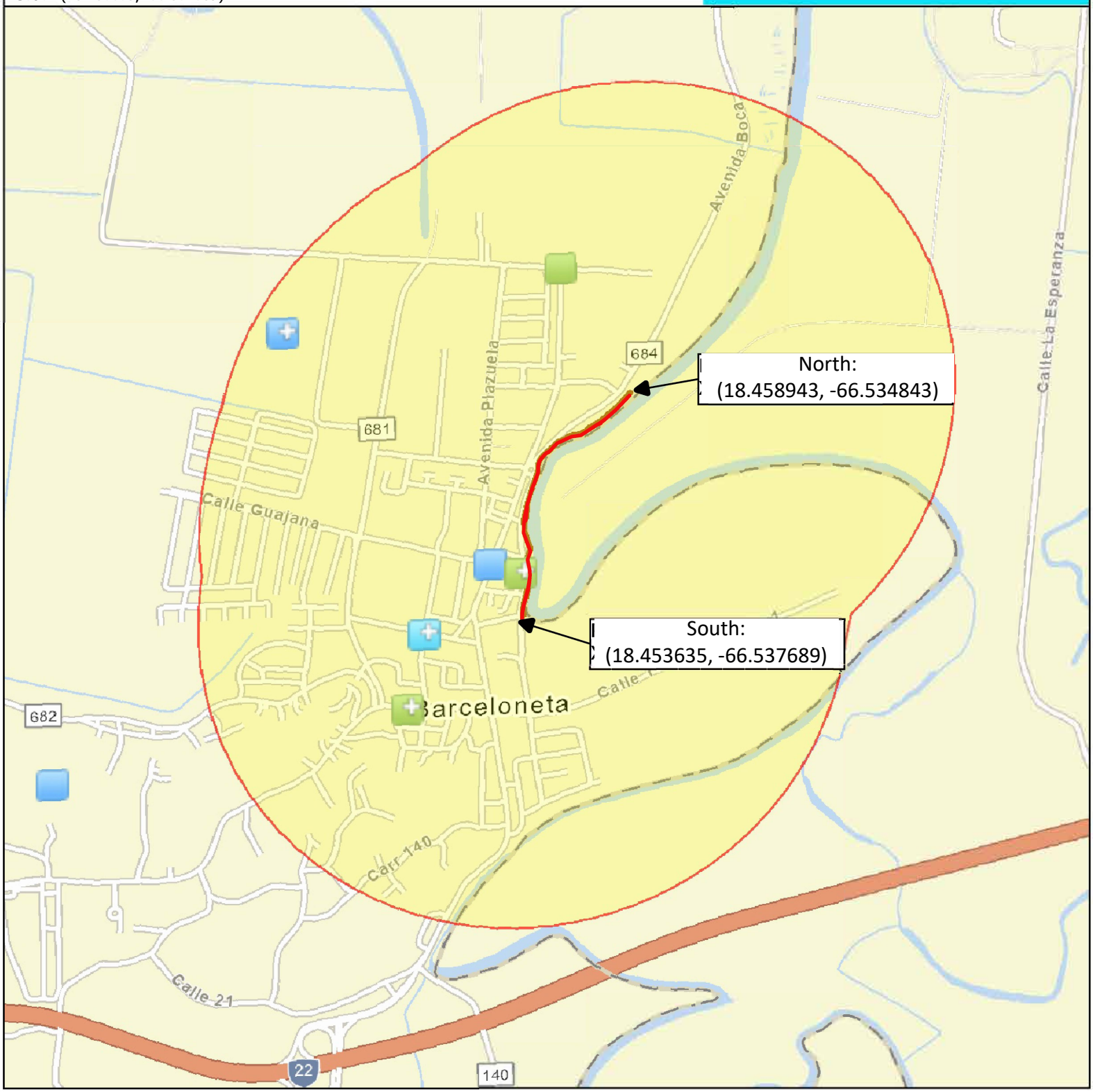
Source: https://gis.jp.pr.gov/mipr/ date accessed date: August 18, 2023

Prepared by ICF

Attachment I: Contamination and Toxic Substances

Toxic and Contaminated Substances Map
PR-CRP-000541 - Paseo Juan de la Torre
Municipality of Barceloneta, Puerto Rico
Coordinates:
North: (18.458943, -66.534843);
South: (18.453635, -66.537689)

EHSConsulting Services
PO Box 1384, Boquerón, PR 00622
(787) 567-1302



Legend:

- Paseo Juan de la Torre
- 3000 Ft radius
- Toxic Releases (TRI)
- Hazardous Waste (RCRAInfo)
- Hazardous Waste (RCRAInfo)
- Water Dischargers (NPDES)
- Water Dischargers (NPDES)

Scale: 1:15,000

0 250 500 m

0 1,000 2,000 ft

Spatial Reference:
NAD 83 State Plane Puerto Rico & Virgin Is.
EPSG 32161

References:

Reference:
United States Environmental Protection Agency (USEPA) NEPAssist Tool EPA facilities Layer. Recovered August 20, 2025

Source:
United States Environmental Protection Agency (USEPA) NEPAssist Tool
https://nepassisttool.epa.gov/nepassist/nepamap.aspx

Detailed Facility Report

Facility Summary

ADM ALLIANCE NUTRITION OF PUERTO RICO

TOMAS DAVILA ST EDIF 10 PALMAS ALTAS IND PARK, BARCELONETA, PR 00617

FRS (Facility Registry Service) ID: 110025330666

EPA Region: 02

Latitude: 18.452756

Longitude: -66.540381

Locational Data Source: RCRAINFO

Industries: Food Manufacturing

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	06/04/2008
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRN008020471), Inactive Other, (PRN000021873)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): 00617PRCSNTMASD

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Go To Enforcement/Compliance Details

Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110025330666					N	18.452756	-66.540381
TRI	EP313	00617PRCSNTMASD	Toxics Release Inventory	Last Reported for 2019			N	18.452756	-66.540381
RCRAInfo	RCRA	PRN008020471	Other	Inactive ( )			N		
RCRAInfo	RCRA	PRN000021873	Other	Inactive ( )			N	18.452756	-66.540381

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110025330666	ADM ALLIANCE NUTRITION OF PUERTO RICO	TOMAS DAVILA ST EDIF 10 PALMAS ALTAS IND PARK, BARCELONETA, PR 00617	Barceloneta Municipio
TRI	EP313	00617PRCSNTMASD	ADM ALLIANCE NUTRITION OF PUERTO RICO LLC	TOMAS DAVILA ST EDIF 10 PALMAS ALTAS INDUSTRIAL P, BARCELONETA, PR 00617	Barceloneta Municipio
RCRAInfo	RCRA	PRN008020471	ADM ALLIANCE NUTRITION OF PR	10 TOMAS DAVILA AVE, BARCELONETA, PR 00617	Barceloneta Municipio
RCRAInfo	RCRA	PRN000021873	ADM ALLIANCE NUTRITION OF PUERTO RICO LLC	10 TOMAS DAVILA AVE, BARCELONETA, PR 00617	Barceloneta Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
TRI	00617PRCSNTMASD	2048	Prepared Feeds

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
TRI	00617PRCSNTMASD	311119	Other Animal Food Manufacturing

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <https://www.epa.gov/compliance/compliance-monitoring-programs> *activities or because they are not counted as inspections within EPA's Annual Results* <https://www.epa.gov/enforcement/enforcement-data-and-results>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRN008020471	No	09/20/2025	0	09/19/2025
RCRA	PRN000021873	No	09/20/2025	0	09/19/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRN000021873)			10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-06/30/25
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											
RCRA (Source ID: PRN008020471)			10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-06/30/25
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)

No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

Air Pollutant Report TRI Pollution Prevention Report

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers
00617PRCSNTMASD	2018	0	--	0	--	--	0	--
00617PRCSNTMASD	2017	0	--	0	--	--	0	--
00617PRCSNTMASD	2016	0	--	0	--	--	0	86
00617PRCSNTMASD	2015	1	--	0	--	1	2	2

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015
Chromium	--	--	--	--	--	--	A	A	A	A
Chromium compounds (except for chromite ore mined in the Transvaal Region)	--	--	--	--	--	--	A	A	A	A
Cobalt	--	--	--	--	--	--	A	A	A	A
Cobalt compounds	--	--	--	--	--	--	A	A	A	A
Copper	--	--	--	--	--	--	A	A	A	A
Copper compounds	--	--	--	--	--	A	<0.5	<0.5	6	<0.5
Manganese	--	--	--	--	--	--	A	A	A	A
Manganese compounds	--	--	--	--	--	A	<0.5	<0.5	13	1
Selenium	--	--	--	--	--	--	--	A	A	A
Selenium compounds	--	--	--	--	--	--	--	A	A	A
Zinc (fume or dust)	--	--	--	--	--	--	--	A	A	A
Zinc compounds	--	--	--	--	--	A	<0.5	<0.5	67	2

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (ACS (American Community Survey))	
Total Persons	5,246
Population Density	1,793/sq.mi.
Housing Units in Area	2,367
Percent People of Color	100%
Households in Area	1,939

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	244 (5%)
Minors 17 years and younger	876 (17%)
Adults 18 years and older	4,371 (83%)
Seniors 65 years and older	1,383 (26%)

General Statistics (ACS (American Community Survey))	
Households on Public Assistance	47
Persons With Low Income	4,265
Percent With Low Income	81%
Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.452756
Center Longitude	-66.540381
Total Area	3.121 sq.mi.
Land Area	94%
Water Area	6%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	739 (38.09%)
$15,000 - $25,000	518 (26.7%)
$25,000 - $50,000	369 (19.02%)
$50,000 - $75,000	224 (11.55%)
Greater than $75,000	90 (4.64%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	1,934 (37%)
African-American	90 (2%)
Hispanic-Origin	5,182 (99%)
Asian	101 (2%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	0 (0%)
Other/Multiracial	1,211 (23%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	592 (15.85%)
9th through 12th Grade	204 (5.46%)
High School Diploma	1,357 (36.33%)
Some College/2-year	353 (9.45%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	851 (22.78%)

Detailed Facility Report

Facility Summary

BANCO POPULAR DE PUERTO RICO

PR-140 KM 64.8 BO FLORIDA, BARCELONETA, PR 00617

FRS (Facility Registry Service) ID: 110004895007

EPA Region: 02

Latitude: 18.450787

Longitude: -66.54085

Locational Data Source: FRS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRR000011247)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Go To Enforcement/Compliance Details

Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110004895007					N	18.450787	-66.54085
RCRAInfo	RCRA	PRR000011247	Other	Inactive ( )			N	18.450787	-66.54085

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004895007	BANCO POPULAR DE PUERTO RICO	PR-140 KM 64.8 BO FLORIDA, BARCELONETA, PR 00617	Barceloneta Municipio
RCRAInfo	RCRA	PRR000011247	BANCO POPULAR DE PUERTO RICO	CARR 140 KM 64.8 BO FLORIDA, BARCELONETA, PR 00617	Barceloneta Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <https://www.epa.gov/compliance/compliance-monitoring-programs> *activities or because they are not counted as inspections within EPA's Annual Results* <https://www.epa.gov/enforcement/enforcement-data-and-results>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRR000011247	No	09/20/2025	0	09/19/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRR000011247)			10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-06/30/25
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)

No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (ACS (American Community Survey))	
Total Persons	5,529
Population Density	1,874/sq.mi.
Housing Units in Area	2,480
Percent People of Color	100%
Households in Area	2,034
Households on Public Assistance	46
Persons With Low Income	4,479
Percent With Low Income	81%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.450787
Center Longitude	-66.54085
Total Area	3.121 sq.mi.
Land Area	95%
Water Area	5%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	772 (38.01%)
$15,000 - $25,000	538 (26.49%)
$25,000 - $50,000	384 (18.91%)
$50,000 - $75,000	243 (11.96%)
Greater than $75,000	94 (4.63%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	255 (5%)
Minors 17 years and younger	952 (17%)
Adults 18 years and older	4,576 (83%)
Seniors 65 years and older	1,423 (26%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,016 (36%)
African-American	93 (2%)
Hispanic-Origin	5,467 (99%)
Asian	107 (2%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	2 (0%)
Other/Multiracial	1,289 (23%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	619 (15.85%)
9th through 12th Grade	210 (5.38%)
High School Diploma	1,404 (35.94%)
Some College/2-year	371 (9.5%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	888 (22.73%)

Detailed Facility Report

Facility Summary

DEPT OF ED - ESCUELA FERNANDO SURIA CHAVEZ

3 CALLE GEORGETTI KM 0.1, BARCELONETA, PR 00617

FRS (Facility Registry Service) ID: 110044299238

EPA Region: 02

Latitude: 18.453069

Longitude: -66.539279

Locational Data Source: FRS

Industries: Educational Services

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Active VSQG, (PR0001007962)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Go To Enforcement/Compliance Details

Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110044299238					N	18.453069	-66.539279
RCRAInfo	RCRA	PR0001007962	VSQG	Active (H)			N	18.454924	-66.538432

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110044299238	DEPT OF ED - ESCUELA FERNANDO SURIA CHAVEZ	3 CALLE GEORGETTI KM 0.1, BARCELONETA, PR 00617	Barceloneta Municipio
RCRAInfo	RCRA	PR0001007962	DEPT OF ED - ESCUELA FERNANDO SURIA CHAVEZ	3 CALLE GEORGETTI KM 0.1, BARCELONETA, PR 00617	Barceloneta Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
RCRAInfo	PR0001007962	61111	Elementary and Secondary Schools

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <https://www.epa.gov/compliance/compliance-monitoring-programs> *activities or because they are not counted as inspections within EPA's Annual Results* <https://www.epa.gov/enforcement/enforcement-data-and-results>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PR0001007962	No	09/20/2025	0	09/19/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PR0001007962)		10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-06/30/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation / Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)

No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (ACS (American Community Survey))	
Total Persons	5,085
Population Density	1,749/sq.mi.
Housing Units in Area	2,304
Percent People of Color	100%
Households in Area	1,887
Households on Public Assistance	47
Persons With Low Income	4,160
Percent With Low Income	82%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.453069
Center Longitude	-66.539279
Total Area	3.121 sq.mi.
Land Area	93%
Water Area	7%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	720 (38.24%)
$15,000 - $25,000	511 (27.14%)
$25,000 - $50,000	354 (18.8%)
$50,000 - $75,000	215 (11.42%)
Greater than $75,000	83 (4.41%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	237 (5%)
Minors 17 years and younger	837 (16%)
Adults 18 years and older	4,248 (84%)
Seniors 65 years and older	1,359 (27%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	1,869 (37%)
African-American	86 (2%)
Hispanic-Origin	5,021 (99%)
Asian	98 (2%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	0 (0%)
Other/Multiracial	1,163 (23%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	586 (16.11%)
9th through 12th Grade	202 (5.55%)
High School Diploma	1,332 (36.61%)
Some College/2-year	335 (9.21%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	823 (22.62%)

Detailed Facility Report

Facility Summary

GENERAL INSTRUMENT CORP PUERTO RICO

9 CALLE TOMAS DAVILA, BARCELONETA, PR 00617

FRS (Facility Registry Service) ID: 110000819810

EPA Region: 02

Latitude: 18.452756

Longitude: -66.540381

Locational Data Source: RCRAINFO

Industries: Computer and Electronic Product Manufacturing

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	02/02/1998
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRD981564735)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): 00617GNRLNTOMAS

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Go To Enforcement/Compliance Details

Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110000819810					N	18.452756	-66.540381
TRI	EP313	00617GNRLNTOMAS	Toxics Release Inventory	Last Reported for 1990			N	18.452756	-66.540381
RCRAInfo	RCRA	PRD981564735	Other	Inactive ( )			N	18.452756	-66.540381

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110000819810	GENERAL INSTRUMENT CORP PUERTO RICO	9 CALLE TOMAS DAVILA, BARCELONETA, PR 00617	Barceloneta Municipio
TRI	EP313	00617GNRLNTOMAS	GENERAL INSTRUMENT CORP PUERTO RICO	9 TOMAS DAVILA ST, BARCELONETA, PR 00617	Barceloneta Municipio
RCRAInfo	RCRA	PRD981564735	GENERAL INSTRUMENT	CALLE TOMAS DAVILA 9, BARCELONETA, PR 00617	Barceloneta Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
TRI	00617GNRLNTOMAS	332813	Electroplating, Plating, Polishing, Anodizing, and Coloring
RCRAInfo	PRD981564735	33422	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <https://www.epa.gov/compliance/compliance-monitoring-programs> *activities or because they are not counted as inspections within EPA's Annual Results* <https://www.epa.gov/enforcement/enforcement-data-and-results>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRD981564735	No	09/20/2025	0	09/19/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRD981564735)		10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-06/30/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation / Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)

No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (ACS (American Community Survey))	
Total Persons	5,246
Population Density	1,793/sq.mi.
Housing Units in Area	2,367
Percent People of Color	100%
Households in Area	1,939
Households on Public Assistance	47
Persons With Low Income	4,265
Percent With Low Income	81%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.452756
Center Longitude	-66.540381
Total Area	3.121 sq.mi.
Land Area	94%
Water Area	6%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	739 (38.09%)
$15,000 - $25,000	518 (26.7%)
$25,000 - $50,000	369 (19.02%)
$50,000 - $75,000	224 (11.55%)
Greater than $75,000	90 (4.64%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	244 (5%)
Minors 17 years and younger	876 (17%)
Adults 18 years and older	4,371 (83%)
Seniors 65 years and older	1,383 (26%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	1,934 (37%)
African-American	90 (2%)
Hispanic-Origin	5,182 (99%)
Asian	101 (2%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	0 (0%)
Other/Multiracial	1,211 (23%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	592 (15.85%)
9th through 12th Grade	204 (5.46%)
High School Diploma	1,357 (36.33%)
Some College/2-year	353 (9.45%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	851 (22.78%)

Showing reports **1** to **2** of 2

Detailed Facility Report

Facility Summary

OBRAS PUBLICAS MUNICIPAL BARCELONETA

ANTIGUA CENTRAL PLAZUELA, BARCELONETA, PR 00617

FRS (Facility Registry Service) ID: 110007814366

EPA Region: 02

Latitude: 18.46234

Longitude: -66.53668

Locational Data Source: FRS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	10/30/1996
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRO007000631)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Go To Enforcement/Compliance Details
Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007814366					N	18.46234	-66.53668
RCRAInfo	RCRA	PRO007000631	Other	Inactive ( )			N		

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007814366	OBRAS PUBLICAS MUNICIPAL BARCELONETA	ANTIGUA CENTRAL PLAZUELA, BARCELONETA, PR 00617	Barceloneta Municipio
RCRAInfo	RCRA	PRO007000631	OBRAS PUBLICAS MUNICIPAL BARCELONETA	ANTIGUA CENTRAL PLAZUELA, BARCELONETA, PR 00617	Barceloneta Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <https://www.epa.gov/compliance/compliance-monitoring-programs> *activities or because they are not counted as inspections within EPA's Annual Results* <https://www.epa.gov/enforcement/enforcement-data-and-results>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRO007000631	No	09/20/2025	0	09/19/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRO007000631)			10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-06/30/25
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)

No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (ACS (American Community Survey))	
Total Persons	3,694
Population Density	1,321/sq.mi.
Housing Units in Area	1,512
Percent People of Color	100%
Households in Area	1,314
Households on Public Assistance	29
Persons With Low Income	2,984
Percent With Low Income	81%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.46234
Center Longitude	-66.53668
Total Area	3.121 sq.mi.
Land Area	90%
Water Area	10%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	432 (32.88%)
$15,000 - $25,000	390 (29.68%)
$25,000 - $50,000	294 (22.37%)
$50,000 - $75,000	137 (10.43%)
Greater than $75,000	61 (4.64%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	201 (5%)
Minors 17 years and younger	651 (18%)
Adults 18 years and older	3,041 (82%)
Seniors 65 years and older	895 (24%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	1,534 (42%)
African-American	119 (3%)
Hispanic-Origin	3,641 (99%)
Asian	58 (2%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	0 (0%)
Other/Multiracial	756 (20%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	347 (13.14%)
9th through 12th Grade	112 (4.24%)
High School Diploma	1,035 (39.19%)
Some College/2-year	243 (9.2%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	619 (23.44%)

Detailed Facility Report

Facility Summary

OBRAS PUBLICAS MUNICIPALES-BARCELONETA

OLD PLAZUELA SUGAR MILL,, BARCELONETA, PR 00617

FRS (Facility Registry Service) ID: 110014329869

EPA Region: 02

Latitude: 18.4625

Longitude: -66.555

Locational Data Source: SEMS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

No data records returned

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): No Information

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Go To Enforcement/Compliance Details

Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110014329869					N	18.4625	-66.555
SEMS	CERCLA	PRO007000631		NOT ON THE NPL			N	18.4625	-66.555

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110014329869	OBRAS PUBLICAS MUNICIPALES-BARCELONETA	OLD PLAZUELA SUGAR MILL,, BARCELONETA, PR 00617	Barceloneta Municipio
SEMS	CERCLA	PRO007000631	OBRAS PUBLICAS MUNICIPALES-BARCELONETA	OLD PLAZUELA SUGAR MILL,, BARCELONETA, PR 00617	

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <https://www.epa.gov/compliance/compliance-monitoring-programs> *activities or because they are not counted as inspections within EPA's Annual Results* <https://www.epa.gov/enforcement/enforcement-data-and-results>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed

No data records returned

Three-Year Compliance History by Quarter

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)

No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S.

Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (ACS (American Community Survey))	
Total Persons	2,981
Population Density	1,040/sq.mi.
Housing Units in Area	1,154
Percent People of Color	100%
Households in Area	1,030
Households on Public Assistance	22
Persons With Low Income	1,924
Percent With Low Income	65%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.4625
Center Longitude	-66.555
Total Area	3.121 sq.mi.
Land Area	92%
Water Area	8%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	382 (37.12%)
$15,000 - $25,000	119 (11.56%)
$25,000 - $50,000	320 (31.1%)
$50,000 - $75,000	101 (9.82%)
Greater than $75,000	107 (10.4%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	124 (4%)
Minors 17 years and younger	586 (20%)
Adults 18 years and older	2,395 (80%)
Seniors 65 years and older	588 (20%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	1,223 (41%)
African-American	154 (5%)
Hispanic-Origin	2,975 (100%)
Asian	61 (2%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	0 (0%)
Other/Multiracial	674 (23%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	194 (9.37%)
9th through 12th Grade	126 (6.08%)
High School Diploma	628 (30.32%)
Some College/2-year	355 (17.14%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	546 (26.36%)

Detailed Facility Report

Facility Summary

PRECHEM LABORATORY INC

PR-140 KM 64.8 CRUCE DAVILA, BARCELONETA, PR 00617

FRS (Facility Registry Service) ID: 110004888480

EPA Region: 02

Latitude: 18.450787

Longitude: -66.54085

Locational Data Source: RCRAINFO

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PR0000935999)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Go To Enforcement/Compliance Details

Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110004888480					N	18.450787	-66.54085
RCRAInfo	RCRA	PR0000935999	Other	Inactive ( )			N	18.450787	-66.54085

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004888480	PRECHEM LABORATORY INC	PR-140 KM 64.8 CRUCE DAVILA, BARCELONETA, PR 00617	Barceloneta Municipio
RCRAInfo	RCRA	PR0000935999	PRECHEM LABORATORY INC	CARR 140 KM 64.8 CRUCE DAVILA, BARCELONETA, PR 00617-0000	Barceloneta Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <https://www.epa.gov/compliance/compliance-monitoring-programs> *activities or because they are not counted as inspections within EPA's Annual Results* <https://www.epa.gov/enforcement/enforcement-data-and-results>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PR0000935999	No	09/20/2025	0	09/19/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PR0000935999)			10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-06/30/25
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)

No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (ACS (American Community Survey))	
Total Persons	5,529
Population Density	1,874/sq.mi.
Housing Units in Area	2,480
Percent People of Color	100%
Households in Area	2,034
Households on Public Assistance	46
Persons With Low Income	4,479
Percent With Low Income	81%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.450787
Center Longitude	-66.54085
Total Area	3.121 sq.mi.
Land Area	95%
Water Area	5%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	772 (38.01%)
$15,000 - $25,000	538 (26.49%)
$25,000 - $50,000	384 (18.91%)
$50,000 - $75,000	243 (11.96%)
Greater than $75,000	94 (4.63%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	255 (5%)
Minors 17 years and younger	952 (17%)
Adults 18 years and older	4,576 (83%)
Seniors 65 years and older	1,423 (26%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,016 (36%)
African-American	93 (2%)
Hispanic-Origin	5,467 (99%)
Asian	107 (2%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	2 (0%)
Other/Multiracial	1,289 (23%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	619 (15.85%)
9th through 12th Grade	210 (5.38%)
High School Diploma	1,404 (35.94%)
Some College/2-year	371 (9.5%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	888 (22.73%)

Detailed Facility Report

Facility Summary

TEXACO PR INC - BARCELONETA SVC STA

13 CALLE TOMAS DAVILA, BARCELONETA, PR 00617

FRS (Facility Registry Service) ID: 110004893660

EPA Region: 02

Latitude: 18.452756

Longitude: -66.540381

Locational Data Source: RCRAINFO

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRR000008052)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Go To Enforcement/Compliance Details

Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110004893660					N	18.452756	-66.540381
RCRAInfo	RCRA	PRR000008052	Other	Inactive ( )			N	18.452756	-66.540381

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004893660	TEXACO PR INC - BARCELONETA SVC STA	13 CALLE TOMAS DAVILA, BARCELONETA, PR 00617	Barceloneta Municipio
RCRAInfo	RCRA	PRR000008052	TEXACO PR INC - BARCELONETA SVC STA	TOMAS DAVILA 13, BARCELONETA, PR 00617	Barceloneta Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <https://www.epa.gov/compliance/compliance-monitoring-programs> *activities or because they are not counted as inspections within EPA's Annual Results* <https://www.epa.gov/enforcement/enforcement-data-and-results>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRR000008052	No	09/20/2025	0	09/19/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRR000008052)			10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-06/30/25
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)

No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (ACS (American Community Survey))	
Total Persons	5,246
Population Density	1,793/sq.mi.
Housing Units in Area	2,367
Percent People of Color	100%
Households in Area	1,939
Households on Public Assistance	47
Persons With Low Income	4,265
Percent With Low Income	81%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.452756
Center Longitude	-66.540381
Total Area	3.121 sq.mi.
Land Area	94%
Water Area	6%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	739 (38.09%)
$15,000 - $25,000	518 (26.7%)
$25,000 - $50,000	369 (19.02%)
$50,000 - $75,000	224 (11.55%)
Greater than $75,000	90 (4.64%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	244 (5%)
Minors 17 years and younger	876 (17%)
Adults 18 years and older	4,371 (83%)
Seniors 65 years and older	1,383 (26%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	1,934 (37%)
African-American	90 (2%)
Hispanic-Origin	5,182 (99%)
Asian	101 (2%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	0 (0%)
Other/Multiracial	1,211 (23%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	592 (15.85%)
9th through 12th Grade	204 (5.46%)
High School Diploma	1,357 (36.33%)
Some College/2-year	353 (9.45%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	851 (22.78%)

Detailed Facility Report

Facility Summary

TOTAL PETROLEUM 115611

PR-140 KM 65.5 BO CRUCES DAVILLA, BARCELONETA, PR 00617

FRS (Facility Registry Service) ID: 110040049621

EPA Region: 02

Latitude: 18.450787

Longitude: -66.54085

Locational Data Source: RCRAINFO

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRR000004705)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Go To Enforcement/Compliance Details

Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110040049621					N	18.450787	-66.54085
ICIS		1800018723					N	18.450787	-66.54085
ICIS		1400004277					N	18.433611	-66.564444
RCRAInfo	RCRA	PRR000004705	Other	Inactive ( )			N	18.450787	-66.54085

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110040049621	TOTAL PETROLEUM 115611	PR-140 KM 65.5 BO CRUCES DAVILLA, BARCELONETA, PR 00617	Barceloneta Municipio
ICIS		1800018723	TOTAL PETROLEUM 115611	CARR 140, KM 65.5 BO CRUCCS DAVILLA, BARCELONETA, PR 00617	Barceloneta Municipio
ICIS		1400004277	ESSO S/S CO-159	RD 140, KM 65.5 CRUCE DAVILLA, BARCELONETA, PR 00617	Barceloneta Municipio
RCRAInfo	RCRA	PRR000004705	ESSO STANDARD OIL CO - PR CO-159	CARR 140 KM 65.5, BARCELONETA, PR 00617	Barceloneta Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <https://www.epa.gov/compliance/compliance-monitoring-programs> *activities or because they are not counted as inspections within EPA's Annual Results* <https://www.epa.gov/enforcement/enforcement-data-and-results>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRR000004705	No	09/20/2025	0	09/19/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRR000004705)			10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-06/30/25
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)

No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (ACS (American Community Survey))	
Total Persons	5,529
Population Density	1,874/sq.mi.
Housing Units in Area	2,480
Percent People of Color	100%
Households in Area	2,034
Households on Public Assistance	46
Persons With Low Income	4,479
Percent With Low Income	81%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.450787
Center Longitude	-66.54085
Total Area	3.121 sq.mi.
Land Area	95%
Water Area	5%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	772 (38.01%)
$15,000 - $25,000	538 (26.49%)
$25,000 - $50,000	384 (18.91%)
$50,000 - $75,000	243 (11.96%)
Greater than $75,000	94 (4.63%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	255 (5%)
Minors 17 years and younger	952 (17%)
Adults 18 years and older	4,576 (83%)
Seniors 65 years and older	1,423 (26%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,016 (36%)
African-American	93 (2%)
Hispanic-Origin	5,467 (99%)
Asian	107 (2%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	2 (0%)
Other/Multiracial	1,289 (23%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	619 (15.85%)
9th through 12th Grade	210 (5.38%)
High School Diploma	1,404 (35.94%)
Some College/2-year	371 (9.5%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	888 (22.73%)

Detailed Facility Report

Facility Summary

VILLA VICTORIA DEVELOPMENT

PUEBLO WARD, PR-681 KM 21.4, BARCELONETA, PR 00617

FRS (Facility Registry Service) ID: 110071298285

EPA Region: 02

Latitude: 18.4609

Longitude: -66.5441

Locational Data Source: NPDES

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	CWA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): Non-Major, Permit Effective (PRR1000EM)

Resource Conservation and Recovery Act (RCRA): No Information

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Go To Enforcement/Compliance Details

Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110071298285					N	18.4609	-66.5441
ICIS-NPDES	CWA	PRR1000EM	Non-Major: General Permit Covered Facility	Effective	Construction Stormwater	02/16/2027	N	18.4609	-66.5441

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110071298285	VILLA VICTORIA DEVELOPMENT	PUEBLO WARD, PR-681 KM 21.4, BARCELONETA, PR 00617	Barceloneta Municipio
ICIS-NPDES	CWA	PRR1000EM	VILLA VICTORIA DEVELOPMENT	PUEBLO WARD, PR-681 KM 21.4, BARCELONETA, PR 00617	

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Industrial Effluent Guidelines

Identifier	Effluent Guideline (40 CFR Part)	Effluent Guideline Description

No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <https://www.epa.gov/compliance/compliance-monitoring-programs> *activities or because they are not counted as inspections within EPA's Annual Results* <https://www.epa.gov/enforcement/enforcement-data-and-results>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CWA	PRR1000EM	No	06/30/2025	0	09/19/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
CWA (Source ID: PRR1000EM)		07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Quarterly Noncompliance Report History											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
210100020302	Cano Tiburones	CAÑO TIBURONES ESTUARY	No	No	--	Yes

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
PR	2024	PRNE7.1	CA��O TIBURONES ESTUARY	Impaired - With Restoration Plan	PATHOGENS	--	Insufficient Information	--	Not Supporting	--

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)

No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

CWA (Clean Water Act) Discharge Monitoring Report (DMR) Pollutant Loadings

DMR and TRI Multi-Year Loading Report

NPDES ID	Description

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (ACS (American Community Survey))	
Total Persons	4,485
Population Density	1,564/sq.mi.
Housing Units in Area	1,896
Percent People of Color	100%
Households in Area	1,622
Households on Public Assistance	43
Persons With Low Income	3,513
Percent With Low Income	78%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.4609
Center Longitude	-66.5441
Total Area	3.121 sq.mi.
Land Area	92%
Water Area	8%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	609 (37.5%)
$15,000 - $25,000	396 (24.38%)
$25,000 - $50,000	358 (22.04%)
$50,000 - $75,000	171 (10.53%)
Greater than $75,000	90 (5.54%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	221 (5%)
Minors 17 years and younger	773 (17%)
Adults 18 years and older	3,712 (83%)
Seniors 65 years and older	1,088 (24%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	1,765 (39%)
African-American	138 (3%)
Hispanic-Origin	4,428 (99%)
Asian	79 (2%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	0 (0%)
Other/Multiracial	971 (22%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	461 (14.33%)
9th through 12th Grade	159 (4.94%)
High School Diploma	1,200 (37.3%)
Some College/2-year	331 (10.29%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	753 (23.41%)

Detailed Facility Report

Facility Summary

VILLA VICTORIA DEVELOPMENT

PUEBLO WARD PR-681 KM 21.4, BARCELONETA, PR 00617

FRS (Facility Registry Service) ID: 110070839001

EPA Region: 02

Latitude: 18.4609

Longitude: -66.5441

Locational Data Source: NPDES

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	CWA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): Non-Major, Permit Expired (PRR1000AP)

Resource Conservation and Recovery Act (RCRA): No Information

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Go To Enforcement/Compliance Details

Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110070839001					N	18.4609	-66.5441
ICIS-NPDES	CWA	PRR1000AP	Non-Major: General Permit Covered Facility	Expired	Construction Stormwater	02/15/2022	N	18.4609	-66.5441

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110070839001	VILLA VICTORIA DEVELOPMENT	PUEBLO WARD PR-681 KM 21.4, BARCELONETA, PR 00617	Barceloneta Municipio

System	Statute	Identifier	Facility Name	Facility Address	Facility County
ICIS-NPDES	CWA	PRR1000AP	VILLA VICTORIA DEVELOPMENT	PUEBLO WARD PR-681 KM 21.4, BARCELONETA, PR 00617	

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Industrial Effluent Guidelines

Identifier	Effluent Guideline (40 CFR Part)	Effluent Guideline Description

No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <https://www.epa.gov/compliance/compliance-monitoring-programs> *activities or because they are not counted as inspections within EPA's Annual Results* <https://www.epa.gov/enforcement/enforcement-data-and-results>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CWA	PRR1000AP	No	06/30/2025	0	09/19/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
CWA (Source ID: PRR1000AP)		07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Quarterly Noncompliance Report History											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
210100020302	Cano Tiburones	DRAINAGE SWALE THAT CONNECTS TO MS4, LEVEE STRUCTURE DRAINAGE CHANNEL ON THE WEST SIDE	No	No	--	Yes

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
PR	2024	PRNE7.1	CA��O TIBURONES ESTUARY	Impaired - With Restoration Plan	PATHOGENS	--	Insufficient Information	--	Not Supporting	--

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)

No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

CWA (Clean Water Act) Discharge Monitoring Report (DMR) Pollutant Loadings

DMR and TRI Multi-Year Loading Report

NPDES ID	Description

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (ACS (American Community Survey))	
Total Persons	4,485
Population Density	1,564/sq.mi.
Housing Units in Area	1,896
Percent People of Color	100%
Households in Area	1,622
Households on Public Assistance	43
Persons With Low Income	3,513
Percent With Low Income	78%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.4609
Center Longitude	-66.5441
Total Area	3.121 sq.mi.
Land Area	92%
Water Area	8%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	609 (37.5%)
$15,000 - $25,000	396 (24.38%)
$25,000 - $50,000	358 (22.04%)
$50,000 - $75,000	171 (10.53%)
Greater than $75,000	90 (5.54%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	221 (5%)
Minors 17 years and younger	773 (17%)
Adults 18 years and older	3,712 (83%)
Seniors 65 years and older	1,088 (24%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	1,765 (39%)
African-American	138 (3%)
Hispanic-Origin	4,428 (99%)
Asian	79 (2%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	0 (0%)
Other/Multiracial	971 (22%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	461 (14.33%)
9th through 12th Grade	159 (4.94%)
High School Diploma	1,200 (37.3%)
Some College/2-year	331 (10.29%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	753 (23.41%)

Detailed Facility Report

Facility Summary

WARNER - LAMBERT INC

PR-681 KM 2.6 BO PALMAS ALTAS, BARCELONETA, PR 00617

FRS (Facility Registry Service) ID: 110012636898

EPA Region: 02

Latitude: 18.45428

Longitude: -66.5378

Locational Data Source: FRS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRD090457854)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Go To Enforcement/Compliance Details
Known Data Problems <https://epa.gov/resources/echo-data/known-data-problems>

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110012636898					N	18.45428	-66.5378
RCRAInfo	RCRA	PRD090457854	Other	Inactive ( )			N	18.477167	-66.697248

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110012636898	WARNER - LAMBERT INC	PR-681 KM 2.6 BO PALMAS ALTAS, BARCELONETA, PR 00617	Barceloneta Municipio
RCRAInfo	RCRA	PRD090457854	WARNER - LAMBERT INC	RD 681 KM 2.6 BO PALMAS ALTA, BARCELONETA, PR 00617	Barceloneta Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)

No data records returned

Entries in italics are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <https://www.epa.gov/compliance/compliance-monitoring-programs> *activities or because they are not counted as inspections within EPA's Annual Results* <https://www.epa.gov/enforcement/enforcement-data-and-results>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRD090457854	No	09/20/2025	0	09/19/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRD090457854)			10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-06/30/25
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost

No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use

No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)

No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <https://epa.gov/help/reports/dfr-data-dictionary#demographic>.

General Statistics (ACS (American Community Survey))	
Total Persons	4,829
Population Density	1,680/sq.mi.
Housing Units in Area	2,201
Percent People of Color	100%
Households in Area	1,800
Households on Public Assistance	47
Persons With Low Income	3,976
Percent With Low Income	82%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.45428
Center Longitude	-66.5378
Total Area	3.121 sq.mi.
Land Area	92%
Water Area	8%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	689 (38.24%)
$15,000 - $25,000	499 (27.69%)
$25,000 - $50,000	338 (18.76%)
$50,000 - $75,000	200 (11.1%)
Greater than $75,000	76 (4.22%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	223 (5%)
Minors 17 years and younger	772 (16%)
Adults 18 years and older	4,056 (84%)
Seniors 65 years and older	1,330 (28%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	1,766 (37%)
African-American	85 (2%)
Hispanic-Origin	4,763 (99%)
Asian	88 (2%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	0 (0%)
Other/Multiracial	1,079 (22%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	579 (16.6%)
9th through 12th Grade	200 (5.73%)
High School Diploma	1,290 (36.97%)
Some College/2-year	313 (8.97%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	774 (22.18%)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-7000

OFFICE OF COMMUNITY PLANNING
AND DEVELOPMENT

Special attention of:
Regional Directors
Field Office Directors
CPD Directors and field office staff
OEE Directors and field office staff
PIH Directors and field office staff
Office of Housing Directors and division staff
ONAP Administrators and field office staff
OLHCHH Directors and Healthy Homes Representatives
Program Environmental Clearance Officers
Responsible Entities
Public Housing Authorities
Tribes
Tribally Designated Housing Entities

Notice: CPD-23-103

Issued: January 11, 2024
This notice will be effective 90 days after the date issued. For Tribes, Tribally Designated Housing Entities, and Department of Hawaiian Homelands Recipients, however, it will be effective two years after the date issued.

Expires: This Notice is effective until amended, superseded, or rescinded

SUBJECT: Departmental Policy for Addressing Radon in the Environmental Review Process

I. Purpose

The purpose of this Notice is to clarify that radon must be considered in the contamination analysis for 24 CFR Parts 50 or 58, as applicable; to provide guidance on recommended best practices for considering radon; and to identify the U.S. Department of Housing and Urban Development (HUD) programs that have established specific radon guidance. This Notice does not impose radon testing requirements; however, it does include guidance on strategies for considering radon in the site contamination analysis.

This notice applies *only* to projects that are subject to HUD's contamination regulations at 24 CFR 50.3(i) or 24 CFR 58.5(i). It does not apply to the purchase of single family homes with an FHA-backed mortgage nor Section 184 and Section 184A loan guarantees. This notice also does *not* preempt any existing, federal state, or local requirements regarding radon. It also does not preempt the radon requirements found in HUD's Office of Housing programs following the Multifamily Accelerated Processing (MAP) Guide, Healthcare Mortgage Insurance Program Handbook, Rental Assistance Demonstration Program Notice and supplemental guidance, or other current or future radon guidance that is more prescriptive. See section IV of this notice for links to Housing radon guidance documents.

Compliance with this notice is required 90 days after the date issued for all HUD programs subject to 24 CFR Parts 50 and 58, with the exception of Tribe, Tribally Designated Housing Entity (TDHE), and Department of Hawaiian Homeland (DHHL) recipients. In

recognition of the need to provide additional support for radon programs, compliance with this notice is required starting January 11, 2026 for Tribe, TDHE, and DHHL recipients.

II. Radon and its health effects

Radon is a radioactive gas that forms when radium and certain other radioactive metals break down in rocks, soil, and water.[1] It is found in nearly all soils and moves through the soil to the air and into structures through cracks and other areas of permeability. Building materials and groundwater may also be a source of indoor radon. Once inside, radon concentrations can build to high levels, regardless of the age, condition, or design of the building.

The most common pathway for human exposure to radon is inhalation indoors. Radon is the number one cause of lung cancer in non-smokers and the second leading cause of lung cancer overall.[2] The risk of adverse health effects from radon in indoor air depends largely on two main variables: the level of radon exposure and the length of time exposed. Many radon-induced lung cancers can be prevented by testing and reducing radon levels in existing buildings and by using radon resistant construction techniques for all new construction.[3]

The goal for mitigating radon in buildings is to reduce radon concentrations in indoor air as low as reasonably achievable and practicable considering the efficacy of current industry-standard radon reduction systems and environmental conditions (e.g., geology and climate). The most effective strategy to protect the health and safety of occupants is to prevent radon from entering the building by using radon resistant construction techniques; another effective strategy is to reduce the level of radon inside existing buildings by installing and operating a radon reduction system. An effective radon reduction system achieves two main goals: it reduces the concentration of radon gas in the home by venting it safely outside the structure and removes the radon gas from under the foundation before it can come into the home.

III. Considering radon in the environmental review

HUD's environmental regulations at 24 CFR 58.5(i)(2)(i) and (ii)[4] state that,

> [i]t is HUD's policy that all properties that are being proposed for use in HUD programs **be free of hazardous materials, contamination, toxic chemicals and gases, and radioactive substances**, where a hazard could affect the health and safety of occupants or conflict with the intended utilization of the property.
>
> The environmental review of multifamily housing . . . , **must include the evaluation of** . . . other evidence of contamination on or near the site, to ensure that occupants of proposed sites are not

[1] National Institute of Health, Periodic Table, Element Summary, "Radon", https://pubchem.ncbi.nlm.nih.gov/element/Radon.
[2] U.S. Environmental Protection Agency, "Health Risk of Radon", https://www.epa.gov/radon/health-risk-radon.
[3] https://www.epa.gov/radon/health-risk-radon.
[4] HUD's contamination policy at 24 CFR 50.3(i)(1) and (2) implements the same substantive policy with slightly different text, https://www.ecfr.gov/current/title-24/subtitle-A/part-50/subpart-A/section-50.3.

adversely affected by any of the hazards listed in paragraph (i)(2)(i) of this section.

As radon is a radioactive substance, HUD or the responsible entity (RE) must consider it as part of the site contamination analysis for projects that:

- Require an environmental review at the level of *Categorically Excluded Subject to 50.4 or 58.5* ("CEST"), *Environmental Assessment*, or *Environmental Impact Statement*; and
- Involve structures that are occupied or are intended to be occupied at least four (4) hours a day.

Note: HUD's contamination policy does not apply to projects that are Exempt or Categorically Excluded Not Subject to 50.4 or 58.5 ("CENST").

HUD encourages environmental review preparers to follow the most recent U.S. Environmental Protection Agency (EPA) recommendations about assessing the health risk from radon exposure and when to reduce radon levels in indoor air. Because more people are exposed to moderate levels of radon, most radon-induced lung cancer results from long-term exposure to low or moderate radon levels in the home, as opposed to short term exposure to very high levels of radon.[5] The EPA recommends homes be fixed if the radon level is 4 pCi/L or more. Because there is no known safe level of exposure to radon, EPA also recommends that Americans consider fixing their home for radon levels between 2 pCi/L and 4 pCi/L[6]. Indoor air radon levels vary across the U.S. and from parcel to parcel due to differences in geology, climate, seasonal variation, building construction, and other conditions. Additionally, because radon cannot be seen, tasted, or smelled, the only method for determining the precise radon level in a specific building is to test the indoor air.

Exemptions from having to consider radon in the contamination analysis[7]:

- Buildings with no enclosed areas having ground contact.
  - Buildings containing crawlspaces, utility tunnels, or parking garages would *not* be exempt, however buildings built on piers would be exempt, provided that there is open air between the lowest floor of the building and the ground.
- Buildings that are not residential and will not be occupied for more than 4 hours per day.
- Buildings with existing radon mitigation systems - document radon levels are below 4 pCi/L[8] with test results dated within two years of submitting the application for HUD assistance and document the system includes an ongoing maintenance plan that includes periodic testing to ensure the system continues to meet the current EPA recommended levels. If the project does not require an application, document test results dated within

[5] World Health Organization, *Handbook on Indoor Radon; A Public Health Perspective* (January 1, 2009). p. x, 2, https://www.who.int/publications/i/item/9789241547673.
[6] https://www.epa.gov/radon/what-epas-action-level-radon-and-what-does-it-mean
[7] These exemptions are specific to this notice and do not all comport with the requirements in the MAP Guide, Healthcare Mortgage Insurance Program Handbook, RAD Program Notice and supplemental guidance or other program guidance.
[8] Or the EPA's current recommended level for reducing radon levels in indoor air, https://www.epa.gov/radon/health-risk-radon.

two years of the date the environmental review is certified. Refer to program office guidance to ensure compliance with program requirements.

- Buildings tested within five years[9] of the submission of application for HUD assistance: test results document indoor radon levels are below current the EPA's recommended action levels of 4.0 pCi/L. For buildings with test data older than five years, any new environmental review must include a consideration of radon using one of the methods in Section A below.

A. How to consider radon in the HUD Environmental Review

This section details how environmental review preparers may consider radon in the HUD environmental review in order to satisfy 24 CFR 50.3(i) or 24 CFR 58.5(i) [10]. This section provides a recommended "best practice" method; however, preparers may utilize one of the alternate options if they choose not to implement the best practice.

i. Recommended Best Practice

When considering radon in the contamination analysis, HUD strongly recommends using the American National Standards Institute/American Association of Radon Scientists and Technologists (ANSI/AARST) radon testing standards for single- and multi- family buildings, schools, and large buildings, including those constructed using radon-resistant construction techniques.[11] The ANSI/AARST standard describes how to conduct testing, interpret test results, and draft a Radon Test Report to document the process for the building owner (and to use as documentation for the ERR).

The ANSI/AARST standards can be viewed online for free and are intended to be implemented by licensed radon professionals. To find a licensed radon professional in your area contact the State/Tribe's radon program office,[12] National Radon Proficiency Program (NRPP),[13] or the National Radon Safety Board (NRSB).[14]

There may also be state and/or local radon requirements, depending on the jurisdiction. Contact the relevant State/Tribal radon control program to ensure the project complies with State/Tribal requirements.[15]

Note: Although testing is not required under this notice, *testing is the only way to determine the radon level within a building.*

---

[9] Note that the allowance for the use of test results within the previous five years is specific to this notice and does *not* comport with the ANSI/AARST standards.

[10] This section does not apply to projects that are subject to the MAP Guide, Healthcare Mortgage Insurance Program Handbook or RAD Program Notice and supplemental guidance or other current or future HUD radon guidance that is more prescriptive.

[11] ANSI/AARST Standards (In lieu of developing a federal radon testing standard, the EPA references the ANSI/AARST Standards), https://standards.aarst.org/ (https://www.epa.gov/radon/radon-standards-practice).

[12] The National Radon Program Services, "State Radon Programs Information", https://sosradon.org/state.

[13] NRPP, https://nrpp.info.

[14] NRSB, https://www.nrsb.org.

[15] https://sosradon.org/state.

ii. Alternative Options

Using the ANSI/AARST radon testing standards is not the only option available for considering the risk that occupants may be exposed to high radon levels.[16] If the environmental review preparer chooses not to conduct radon testing per the ANSI/AARST standards, one of the following alternative strategies[17] must be used to consider radon in the contamination analysis. Review the HUD program office guidance in Section IV to ensure the strategy used to consider radon in the contamination analysis complies with specific program office requirements for the project.[18]

1. Do-it-yourself (DIY) radon test kits may be used to measure radon levels in single-family dwelling units. In HUD single-family buildings[19] with multiple units, one DIY test kit must be used for each dwelling unit. DIY radon test kits may be available for low or no cost through State/Tribal radon program offices and are available to purchase through the National Radon Program Services website and some state radon control program websites.[20]

When using a DIY test kit, there can be quality control issues that affect the quality of the test results. To ensure the DIY test results are as accurate as possible, it is important to read the entire test kit instructions before activating the test device and to follow them fully. The EPA's *Citizen's Guide to Radon*[21] and the ANSI/AARST standard for testing single-family housing are excellent resources for detailed instructions about conducting the radon test, including where to place the test device(s), how to prepare the home (whether to close the windows, turn off fans, the length of time to test), how to document the test process, and interpret the results. HUD encourages that test devices be approved by either the NRPP or NRSB. Contact the National Radon Program Services helpline, the State/Tribal radon program office, or the local health department for assistance.[22]

2. In remote or other areas where there are no licensed/certified radon professionals and/or DIY test kits cannot be shipped to a lab in sufficient time, the local government, such as a local health department or environmental department, may decide to purchase radon monitoring equipment and train staff to use it. Monitoring equipment, such as continuous radon monitors, should be used in accordance with the manufacturer's instructions and intended use and staff should ensure proper quality control and quality assurance practices are adhered to.

---

[16] High levels of radon are those that are at or above 4 pCi/L.
[17] Alternative to measuring radon levels in indoor air using the ANSI/AARST standards.
[18] Note: REs and HUD must also ensure that the strategy used complies with any state or local laws and regulations regarding radon.
[19] HUD defines "single family building" as a residential building with one to four dwelling units.
[20] National Radon Program Services, https://sosradon.org/purchase-kits.
[21] EPA, *A Citizen's Guide to Radon: The Guide to Protecting Yourself and Your Family from Radon* (EPA 402/K-12/002, December 2016), https://www.epa.gov/radon/publications-about-radon.
[22] The National Radon Program Services, which has phone, email, and mail connections, is operated by Kansas State University for the US EPA, https://sosradon.org/Contact. (The phone numbers may also be reached by persons with hearing or speech difficulties by dialing 711 via teletype (TTY) or telecommunications device for the deaf (TDD)).

3. Scientific data review. Available science-based information may be used to determine whether the project site is located in an area that has average documented radon levels at or above 4 pCi/L. Contact the State/Tribal radon program office (or health department), as needed, for assistance with obtaining and interpreting available science-based information about radon levels in the area. Science-based information includes, but is not limited to:

- State/Tribe-generated radon information, such as surveys of radon levels from collecting radon measurement data or geological studies that identify high risk areas.
- Department of Health and Human Services, Centers for Disease Control and Prevention (CDC), National Environmental Public Health Tracking, Radon Testing map.[23] This map provides radon test data from national radon testing laboratories and states that can be viewed by state or county. Radon test data ranges from 1988 to the present.

Environmental review preparers may *not* use the EPA Map of Radon Zones nor EPA State Maps of Radon Zones for considering radon levels at a project site for compliance with 24 CFR 50.3(i) or 24 CFR 58.5(i) because it is not appropriate for a site-specific analysis of radon risk, which is required for a HUD environmental review.

Note: Although science-based, a document review *does not* determine the radon level in a specific building; where feasible, HUD recommends using one of the radon testing strategies.

When conducting a scientific data review in lieu of testing, there must be a minimum of 10 (ten) documented test results over the previous 10 years for which data is available in a given county for the scientific data review approach to be utilized. If there are less than 10 documented results over this period, then there is a lack of scientific data for the purposes of this notice and no further consideration of radon is needed if testing is infeasible or impracticable.

Additionally, testing data utilized should cover the smallest geographic area for which the minimum amount of documented test results exist, up in size to the county in which the project is located. The best available data must be used. Best available data refers to the most current data that best indicates the level of radon concentration at a project site. Whenever possible, utilize the average of the previous 10 years of data.

There may be certain scenarios in which use of the Recommended Best Practice or Alternative Options identified above may not be feasible or practicable due to limited access to testing (e.g., lack of licensed radon professionals in the project area) and lack of scientific data (e.g., there are less than 10 documented test results over the previous 10 years). Refer to section **C. Documenting the environmental review record** below for documentation requirements in these scenarios.

[23] CDC, "National Environmental Public Health Tracking, Radon Testing", https://www.cdc.gov/nceh/tracking/topics/RadonTesting.htm.

B. Mitigating Radon

When radon testing determines indoor air radon levels are at or above 4 pCi/L or the scientific data review determines the project site is located in an area that has documented radon levels at or above 4 pCi/L, the Environmental Review Record (ERR) must include a mitigation plan. When the determination is based on a scientific data review, if feasible, HUD recommends conducting radon testing (using one of the testing strategies described in the previous sections) to confirm radon levels in the building(s) proposed for HUD funding. If testing then demonstrates that radon levels within the building are below 4 pCi/L, mitigation would *not* be required; environmental review preparers can simply document the test results in the ERR.

The mitigation plan[24] must identify the radon level; consider the risk to occupants' health; describe the radon reduction system that will be installed; whenever possible, establish an ongoing maintenance plan to ensure the system is operating as intended; establish a reasonable timeframe for implementation (i.e., integrate radon mitigation activities into an annual plan or a 5-year plan that is already completed for HUD funded activities); and require post-installation testing. Where feasible, post-installation testing should be conducted by a licensed radon professional. In an area where there are no licensed radon professionals, there may be other personnel, such as trained staff, other professionals (i.e., engineers, geologist, scientists, public health staff) who have experience conducting radon testing or have the relevant skills and knowledge to follow the device instructions or ANSI/AARST test protocols and mitigation standards. For assistance Contact the EPA's local radon program office, state/Tribe radon program office, the National Radon Program Services,[25] or refer to the applicable ANSI/AARST standard for guidance.

If using the ANSI/AARST mitigation standard to install the radon reduction system, follow the guidance in the standard to draft the mitigation and the operation, maintenance, and monitoring plans.

C. Documenting the environmental review record

Under HUD's regulations, 24 CFR 58.38(a)(3) or 50.11, HUD, or the RE, is required to document the radon evaluation as part of the contamination analysis in the ERR. For ERRs documented using the HUD Environmental Review Online System (HEROS), document the radon evaluation in the Contamination and Toxic Substances factor Compliance Determination screen and upload supporting documentation. For Office of Housing projects, document the radon evaluation in the HEROS Housing Requirements Screen.

If testing is not conducted and not otherwise required by program guidance, the documentation will need to provide evidence of average documented radon test results covering the project site or its county, other science-based information suggesting radon levels at the project site, or evidence of a lack thereof.

---

[24] Example of an areawide radon testing plan: Home Forward, Multnomah County, Oregon at: http://homeforward.org/content/radon-information.

[25] EPA Regional, State, and Tribal Radon contacts, https://www.epa.gov/radon/epa-map-radon-zones-and-supplemental-information#datainfo; National Radon Program Services, https://sosradon.org/main or 800 644-6999.

In instances where radon testing will be conducted but cannot be conducted until after the environmental review record is certified -such as with new construction or certain rehabilitation projects- then the initial documentation would not include a radon evaluation but must include a condition for post-construction radon testing followed by mitigation if needed. The environmental preparer must update the environmental review record with the radon evaluation and proof of any required mitigation when complete.

Acceptable methods to document radon consideration in the ERR include:

- ANSI/AARST standard: Include a copy of the test report and mitigation plan (if applicable) as described in the standard in the ERR. For Office of Housing programs, follow program guidance requirements on timing and documentation.

- DIY and other radon test strategies: Document the test device, time period of test, test conditions (HVAC system off windows closed, outside temperature), test results, and other conditions relevant to test conditions. Refer to the applicable ANSI/AARST standard as guidance.

- Review of CDC radon testing data, geologic studies/maps, other scientific data: Describe and cite the maps and data used to determine the area wide radon levels and include copies of all supporting documentation (maps/studies) in the ERR.

- In instances where HUD grantees, applicants, and recipients are unable to obtain science-based data, environmental review preparers must consider the feasibility of radon testing if they have not already. If the grantee, applicant, or recipient determines that testing is infeasible or impracticable, the environmental review must document the basis for this determination.[26]. Acceptable documentation in these scenarios where testing is infeasible and science-based data is not available includes but is not limited to: correspondence with state and local radon control agencies indicating a lack of scientific data evidencing radon levels at the project site, a copy of CDC Environmental Health Tracking Network information showing the project site is located in a county with a lack of scientific data, and a basis for the conclusion that testing would be infeasible or impracticable. The RE, grantee, applicant, or recipient is not required to submit additional documentation substantiating their decision that testing is infeasible or impracticable.

- When all this is documented in the ERR, *no* further consideration of radon is needed and no further action with respect to radon is needed for the environmental review. .

Examples of acceptable documentation of radon consideration in the ERR:

- A project site is located in a county in which the CDC Radon Testing data shows that more than 10 tests have been conducted over the last 10 years. The average of the 200 tests completed in the county over the last 10 years is 4.5 pCi/L. Since scientific data

[26] Common instances where this determination may occur include a lack of funding for testing or the cost of testing is prohibitively high when compared with the cost of a particular low-dollar project.

indicates that average radon levels in the county in which the project is located are greater than 4.0 pCi/L, the grantee must either test for radon or formulate a mitigation plan they will implement.

- Radon testing data from the CDC Environmental Public Health Tracking Network map shows data for the county in which the project site is located, which is the smallest area for which data is available. The data shows the annual mean pre-mitigation radon measurement in tested buildings for the most recent 10-year period as 1.8 pCi/L. There is no other available evidence of radon levels in the area. The local government chooses to establish a radon testing plan to confirm radon levels in specific buildings are below 4 pCi/L. The test plan timeframe aligns with the RE's housing rehabilitation plan.

- A project site is located in a county in which the CDC Radon data shows that more than 10 tests have been conducted over the last 10 years. The average of the 220 tests completed in the county over the last 10 years in 3.2 pCi/L. The responsible entity or HUD reviewer documents the results in the environmental review records and therefore satisfies this notice's requirement that radon be considered as part of the environmental review process.

- A project site is located in a county in which the CDC data shows that fewer than 10 tests have been conducted over the last 10 years. The RE or HUD reviewer documents the lack of scientific data in the environmental review records. The RE has reviewed the cost of radon testing for the project and determined that testing is infeasible because the cost to test for this project would cut too much into the project's small budget. They note this determination in the environmental review record.

The local EPA radon contact person and the National Radon Program Services may be able to assist with developing a testing plan. The EPA's *A Citizen's Guide to Radon* (for single family homes) and the ANSI/AARST standards (single family and multifamily buildings) are a good source for guidance on the information that is included in a test plan.

Note: HUD or a Responsible Entity must reject projects in areas that have sufficient documented radon levels at or above 4 pCi/L if no mitigation has been proposed or performed.

IV. HUD program office documents addressing radon

Current HUD program office guidance regarding radon testing and mitigation is listed below. Each HUD program office is responsible for issuing program-specific radon guidance. Program guidance may be updated as Departmental policies develop; be sure to use the most current guidance. Additionally, this notice does not preempt or modify existing HUD program-specific radon requirements, such as those found in the Multifamily Accelerated Processing (MAP) Guide, the Healthcare Mortgage Insurance Program Handbook 4232.1 Rev-1, the RAD Program Notice and Supplemental Notice 4B, or other current or future radon guidance that is more prescriptive**.** For questions concerning program office guidance, contact your program office representative.

- Office of Housing, *Multifamily Housing, Multifamily Accelerated Processing Guide* (4430.G), Section 9.6.3, https://www.hud.gov/program_offices/administration/hudclips/guidebooks/hsg-gb4430
- Office of Housing, Office of Residential Care Facilities, *Healthcare Mortgage Insurance Program Handbook* (4232.1), Section 7.8, Rev-1), or most recent edition, https://www.hud.gov/sites/documents/42321S2C7HSGH.PDF
- Office of Housing, Office of Recapitalization, Rental Assistance Demonstration (RAD) Program (Notice H-2019-09 PIH-2019-23 (HA)) and Supplemental Notice 4B (Notice H-2023-08 PIH-2023-19 (HA)), https://www.hud.gov/RAD/library/notices
    - Quick Reference Guide, Environmental Review Requirements for RAD Conversions (2020), https://www.hudexchange.info/resource/4216/environmental-review-requirements-for-rad-transactions/. Check RAD Resource Desk for future guidance, https://www.radresource.net/index.cfm
- Office of Public and Indian Housing (PIH), Radon Information for PIH Programs (Notice 2013-06 (HA)), https://www.hud.gov/sites/documents/PIH2013-06.PDF and https://www.hudexchange.info/programs/radon/

V. Resources

A. HUD resources for implementation of this notice

Costs for radon testing and mitigation are considered eligible program costs for many HUD grant programs. As such, costs for radon testing and mitigation could be included in the total project costs funded or insured by HUD. **Note:** Costs for ongoing operation and/or maintenance of installed mitigation systems may not be eligible under certain HUD programs. For questions about the eligibility of the ongoing maintenance of radon mitigation systems, as well as other funding-specific questions, contact your HUD program office contact.

Table A on the following page, notes the major HUD programs for which radon testing and/or mitigation under 24 CFR 50.3(i) or 24 CFR 58.5(i) is an eligible program expense. This list is non-exhaustive; for other HUD programs please contact the appropriate program office contact.

Table A: HUD programs and radon testing and mitigation as an eligible expense

Program or grant name	**Is radon testing an eligible expense?**	**Is radon mitigation an eligible expense?[27]**
Community Development Block Grant (CDBG)	Yes	Yes
Community Development Block Grant CARES Act (CDBG-CV)	Yes	Yes
Community Development Block Grant Disaster Recovery (CDBG-DR)	Yes	Yes
Community Development Block Grant Mitigation (CDBG-MIT)	Yes	Yes
Community Project Funding (CPF) Grants	Yes	Yes
Continuum of Care Program (CoC)	Yes	Yes
Emergency Solutions Grants Program	Yes	Yes
FHA-Insured Healthcare Loans	Yes	Yes
FHA-Insured Multifamily Loans	Yes	Yes
Green and Resilient Retrofit Program (GRRP)	Yes	Yes
HOME Investment Partnerships American Rescue Plan Program (HOME-ARP)	Yes	Yes
HOME Investment Partnerships Program (HOME)	Yes	Yes
Housing Opportunities for Persons With AIDS (HOPWA)	Yes	Yes
Housing Trust Fund (HTF)	Yes	Yes
HUD Section 8 renewals with capital repairs	Yes	Yes
HUD Section 8(bb) Transfer of Budget Authority.	Yes	Yes
Indian Community Development Block Grant (ICDBG)	Yes	Yes
Indian Housing Block Grant Program (IHBG)	Yes	Yes
Public Housing Capital and Operating Funds	Yes	Yes
Rental Assistance Demonstration (RAD)	Yes	Yes
Section 108 Loan Guarantee Program	Yes	Yes
Section 202 Supportive Housing for the Elderly Program	Yes	Yes
Section 811 Supportive Housing for Persons with Disabilities Program	Yes	Yes
Self-Help Homeownership Opportunity Program (SHOP)	Yes	Yes
Transfers of Rental Assistance with HUD Held or Insured Debt and/or Use Restrictions ("Section 209 Transfers.")	Yes	Yes

[27] Note: The term “radon mitigation” refers only to initial installation of a radon mitigation system and does ***not*** encompass ongoing maintenance.

B. Other radon resources

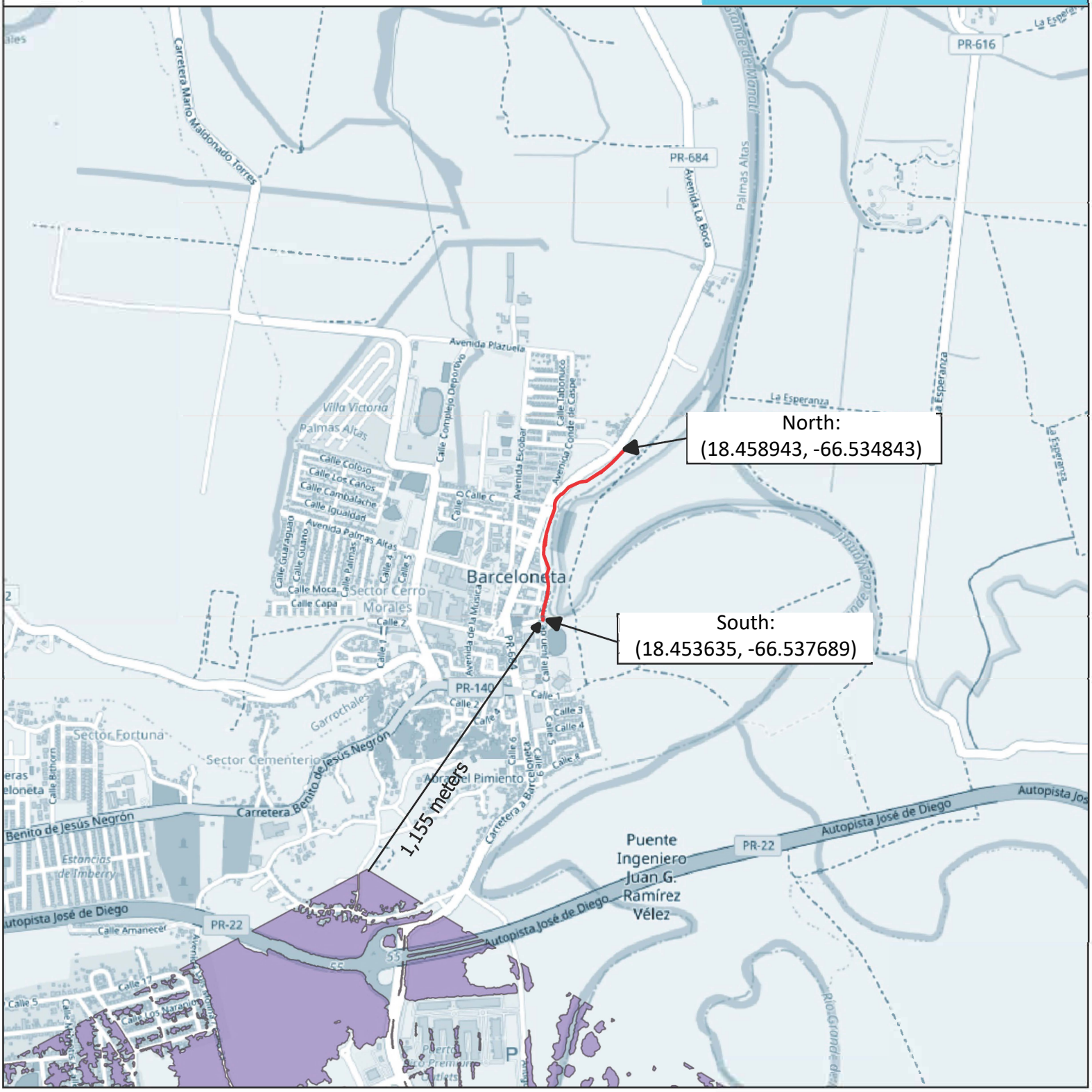
- EPA radon website, https://www.epa.gov/radonNational Radon Program Services, https://sosradon.org/
    - Helpline: 1-800-557-2366
    - Comprehensive radon information, links to state radon programs and radon testing and mitigation information, and access to radon helplines
- CDC, National Center for Environmental Health, "Radon", https://www.cdc.gov/radon/
    - National Environmental Public Health Tracking Network testing data map: https://www.cdc.gov/nceh/tracking/topics/RadonTesting.htm
- ANSI/AARST radon testing protocols and mitigation standards, https://standards.aarst.org/
- HUD 3-part radon webinar series sponsored by the Office of Lead Hazard Control and Healthy Homes and Public and Indian Housing, https://www.hudexchange.info/programs/radon/
- Office of Lead Hazard Control and Healthy Homes, *About Radon*, https://www.hud.gov/program_offices/healthy_homes/healthyhomes/radon
- OEE, *Radon Fact Sheet*, https://www.hudexchange.info/resource/4955/oee-radon-fact-sheet/
- OEE Radon and HUD-Assisted Projects Webinar Series, https://www.hudexchange.info/news/radon-and-hud-assisted-projects-webinar-series/

For questions concerning this Notice, contact your local OEE field environmental office staff, https://www.hudexchange.info/programs/environmental-review/hud-environmental-staff-contacts/

Attachment J:
Endangered Species

Endangered Species Map
PR-CRP-000541 - Paseo Juan de la Torre
Municipality of Barceloneta, Puerto Rico
Coordinates:
North: (18.458943, -66.534843);
South: (18.453635, -66.537689)

EHSConsulting Services
PO Box 1384, Boquerón, PR 00622
(787) 567-1302



Legend:

- Paseo Juan de la Torre
- USWFS Critical Habitats
  - Endangered
  - Threatened
  - Proposed Endangered
  - Proposed Threatened

Scale: 1:20,000

0 250 500 m

0 1,000 2,000 ft

Spatial Reference:
NAD 83 State Plane Puerto Rico & Virgin Is.
EPSG 32161

References:
U.S. Fish & Wildlife Service. USFWS Environmental Conservation Online System. Threatened & Endangered Species Active Critical Habitat Report. Effective Date: August 7, 2025
Open Street Map Tile

Sources:
U.S. Fish & Wildlife Service. USFWS. Environmental Conservation Online System. Threatened & Endangered Species Active Critical Habitat Report.
https://ecos.fws.gov/docs/crithab/crithab_all/crithab_all_layers.zip
Open Street Map Tile
https://tile.openstreetmap.org/{z}/{x}/{y}.png

Date: 6/20/2025

Applicant ID: PR-CRP-000541

Street Address: Juan de la Torre Street, Barceloneta, Puerto Rico 00617

RE: No Effect (NE) Determination for PR-CRP-000541

EXECUTIVE SUMMARY

Section 7 of the Endangered Species Act (ESA) mandates that federal agencies ensure the actions that they authorize, fund, or carry out shall not jeopardize the continued existence of federally-listed plants and animals or result in the adverse modification or destruction of designated critical habitat. Where their actions may affect resources protected by the ESA, agencies must consult with the Fish and Wildlife Service and/or the National Marine Fisheries Service ("FWS" and "NMFS" or "the Services").

This memo serves to document that the proposed project, PR-CRP-000541, located along Juan de la Torre Street in Barceloneta, Puerto Rico 00617, was reviewed in accordance with Section 7 of the Endangered Species Act of 1973 (16 USC 1536) as well as the Fish and Wildlife Coordination Act (47 Stat. 401, as amended; 16 U.S.C. 661 et seq.) by a qualified Biologist, resulting in a "No Effect" (NE) determination.

The goal of the City Revitalization Program is to help shape and implement the future vision of communities that were affected by Hurricanes Irma and María and will support the municipal governments and other eligible organizations to undertake a variety of recovery activities aimed at reinvigorating downtown areas, urban centers, and key community corridors.

PROJECT DESCRIPTION

The project consists of improvements to the existing paseo located along Juan de la Torre Street in Barceloneta, Puerto Rico 00617, and aims to address safety concerns as well as greatly improve the area visually. The proposed project activities include the construction of one new platform and installation of granite curbing, a new decorative balustrade with incorporated LED lighting, new lamp posts, sculptural benches, interpretative elements, and a commemorative sculpture of the mural that was installed in the demolished pineapple juice Lotus Factory. The footprint of the paseo will not be altered. The project will cover approximately 2,495.20 square meters (0.617 acres) in total. The northern limit of the project area is located at approximately (18.458943, -66.534843) and the southern limit is located at (18.453635, -66.537689) (see Project Location Map in **Appendix A** and General Site Layout in **Appendix B**). Based on the National Wetlands Inventory (NWI) map, the Paseo runs nearly parallel to a Riverine wetland (R5UBFx) and is located about 20 feet away at its closest points (see National Wetland Inventory Map in **Appendix C**). As the footprint of the paseo will not be altered, there will be no work performed directly within the wetland. Furthermore, a Wetland Visual Assessment conducted on 11/18/2024 by Diatom Environmental Services, LLC concluded that while there is evidence of wetlands to the east and the north of the project site, the project site itself does not contain wetlands (see Wetland Visual Assessment in **Appendix D**).

EXISTING CONDITIONS

The project area where activities will be taking place consists of approximately 2,495.20 square meters (0.617 acres) on an existing paseo located along Juan de la Torre Street in Barceloneta, Puerto Rico 00617. Site photos (see **Appendix E**) are included for reference.

The project area is located entirely within Zone A99 of the 100-year floodplain, according to the FEMA National Flood Hazard Layer FIRM panel 72000C0260J (effective 11/18/2009) (see FEMA FIRMette in **Appendix F**). The project area is located entirely within Zone A of the 100-year floodplain, according to the Advisory Base Flood Elevation (ABFE) map (effective 12/11/2018) (see Advisory Base Flood Elevation Map in **Appendix G**). Preliminary FIRMs have not been developed for this area.

According to the USFWS National Wetlands Inventory (NWI) mapper, the Paseo runs nearly parallel to a Riverine wetland (R5UBFx) and is located about 20 feet away at its closest points (see **Appendix C**). As the footprint of the Paseo will not be altered, there will be no work performed directly within the mapped wetland. Furthermore, a Wetland Visual Assessment conducted on 11/18/24 by Diatom Environmental Services, LLC concluded that while there is evidence of wetlands to the east and the north of the project site, the project site itself does not contain wetlands. Therefore, there will be no direct impacts to wetlands. To minimize the risk of indirect impact on wetlands, best management practices including standard erosion and sedimentation controls will be implemented during the construction phase of the project.

As indicated by the Official Species Lists obtained from the Information for Planning and Consultation (IPaC) system (see IPaC Official Species List and DKey in **Appendix H**) and USFWS Critical Habitat data (see Critical Habitat Map in **Appendix I**), the proposed project lies within the ranges of the following federally listed species and critical habitats:

Table 1: PR-CRP-000541 Endangered Species

Species	Status
Puerto Rican Boa (*Chilabothrus inornatus*)	Endangered

Critical Habitat
None

SPECIES ANALYSIS

Puerto Rican Boa *(Chilabothrus inornatus)*

Considered to be a habitat generalist, the Puerto Rican Boa tolerates a wide variety of terrestrial and arboreal habitats, including rocky areas, haystack hill, trees and branches, rotting stumps, caves, plantations, various types of forested areas such as karst and mangrove forests, forested urban and rural areas, and along streams and road edges. The IPaC Determination Key (Dkey) for the Puerto Rican Boa, dated 5/13/2024 was used to evaluate the potential impacts to federally listed species from this project. Based on the Dkey responses and other project information, it was determined that the proposed project will have "No Effect" on the Puerto Rican Boa (see **Appendix H**).

If a Puerto Rican Boa is found in the project activity site, work shall cease until the Boa moves off on its own. If the Boa does not move off, the Construction Manager shall contact the Puerto Rico Department of Natural and Environmental Resources and ask them to relocate the Boa. Additional conservation measures for the Puerto Rican Boa can be found in **Appendix J**.

EFFECT DETERMINATION

Having carefully analyzed the project site and the information available, including available Dkey(s), critical habitat data, previous site disturbance, and the scope of project activities, effect determinations have been made for each of the species identified in the IPaC Official Species Lists. The effect determination of each listed species can be found below:

Species	Effect Determination	Conservation Measures to be Implemented (if needed)
Puerto Rican Boa (Chilabothrus inornatus)	No Effect	If a Puerto Rican Boa is found on the project site, work shall cease until the Boa moves off on its own. If the Boa does not move off, the contractor shall contact the Puerto Rico Department of Natural and Environmental Resources and ask for them to relocate the Boa. Additional conservation measures for the Puerto Rican Boa will be implemented (see Puerto Rican Boa Conservation Measures in **Appendix J**).

As the Puerto Rican Boa was the only species identified in the IPaC Official Species List, it has been determined that the proposed project will have No Effect on federally-listed species.

Senior Biologist

6/30/2025

Date

Appendix A:
Project Location Map

PR-CRP-000541 Project Location Map

Address: Juan de la Torre Street, Barceloneta, PR 00617

Coordinates: North- 18.458943, -66.534843 / South- 18.453635, -66.53768[9]

May 6, 2025

1:9,028

0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar

Appendix B:
General Site Layout

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK, CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME, THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 205 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: SITE PLAN

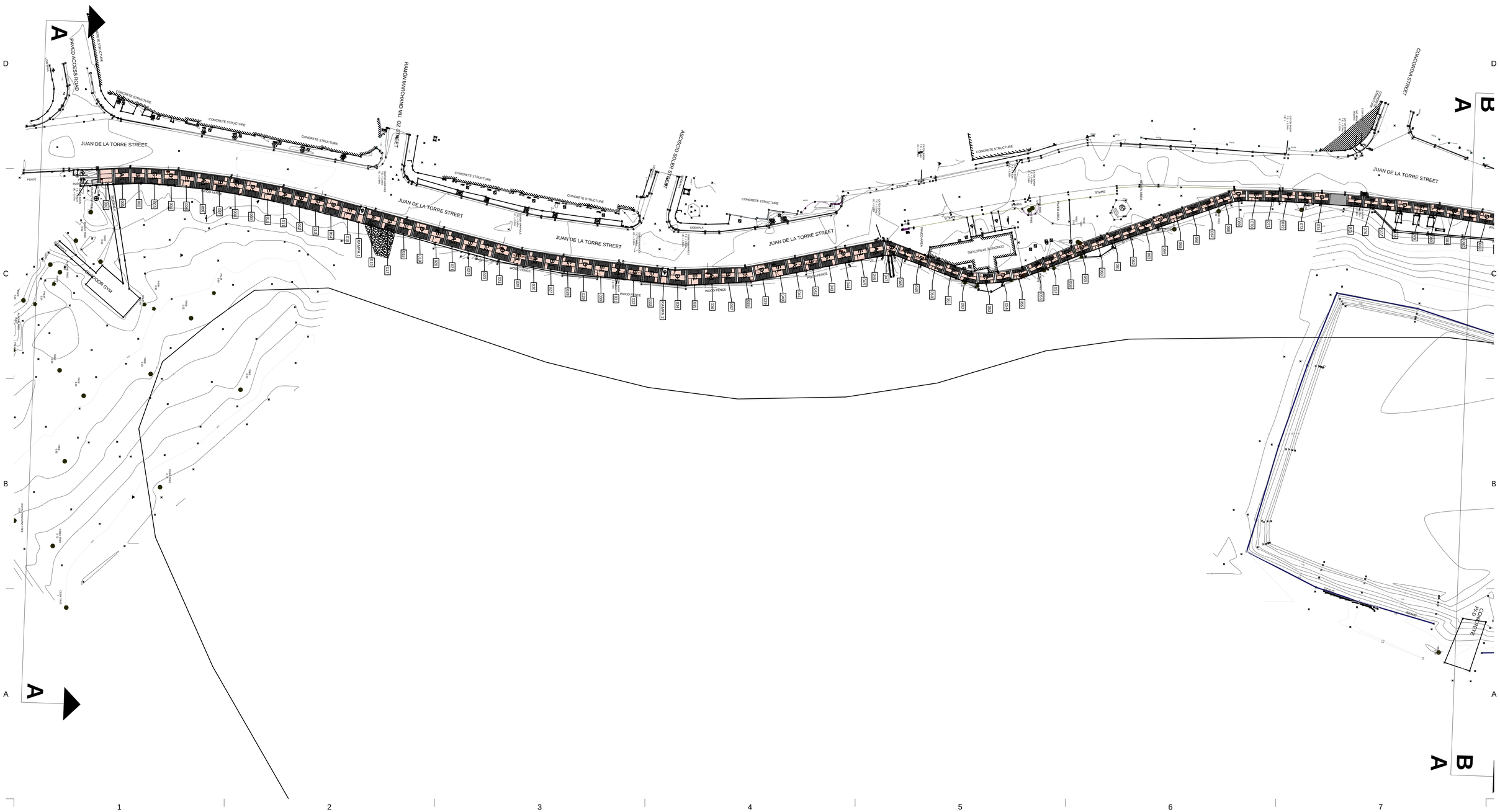
SHEET Nº: A-01

DRAWN BY: SEBASTIÁN FELICIANO

PHASE: PRELIMINARY PHASE

DATE:

PRINT DATE: 14 DE MAYO DE 2024


JUAN DE LA TORRE STREET
RAMÓN MARCHAND MU OZ STREET
JOSCOSO SOLER STREET
CONCRETE STRUCTURE
PAVED ACCESS ROAD
FENCE
WOOD FENCE
CHAIN LINK FENCE
CONCRETE WALL
CONCRETE STEPS
CONCRETE RAMP
METAL RAMP
METAL HANDRAIL
CONCRETE BENCH
CONCRETE PLANTER
CONCRETE PLANTER WITH TREE
CONCRETE PLANTER WITH PALM TREE
CONCRETE PLANTER WITH SHRUBS
CONCRETE PLANTER WITH GRASS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS
CONCRETE PLANTER WITH PALM TREE AND GRASS
CONCRETE PLANTER WITH SHRUBS AND GRASS
CONCRETE PLANTER WITH PALM TREE, SHRUBS AND GRASS
CONCRETE PLANTER WITH TREE AND SHRUBS
CONCRETE PLANTER WITH TREE AND GRASS
CONCRETE PLANTER WITH TREE, SHRUBS AND GRASS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION. IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 555 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: LEYENDA DE MÓDULOS SECCIÓN B

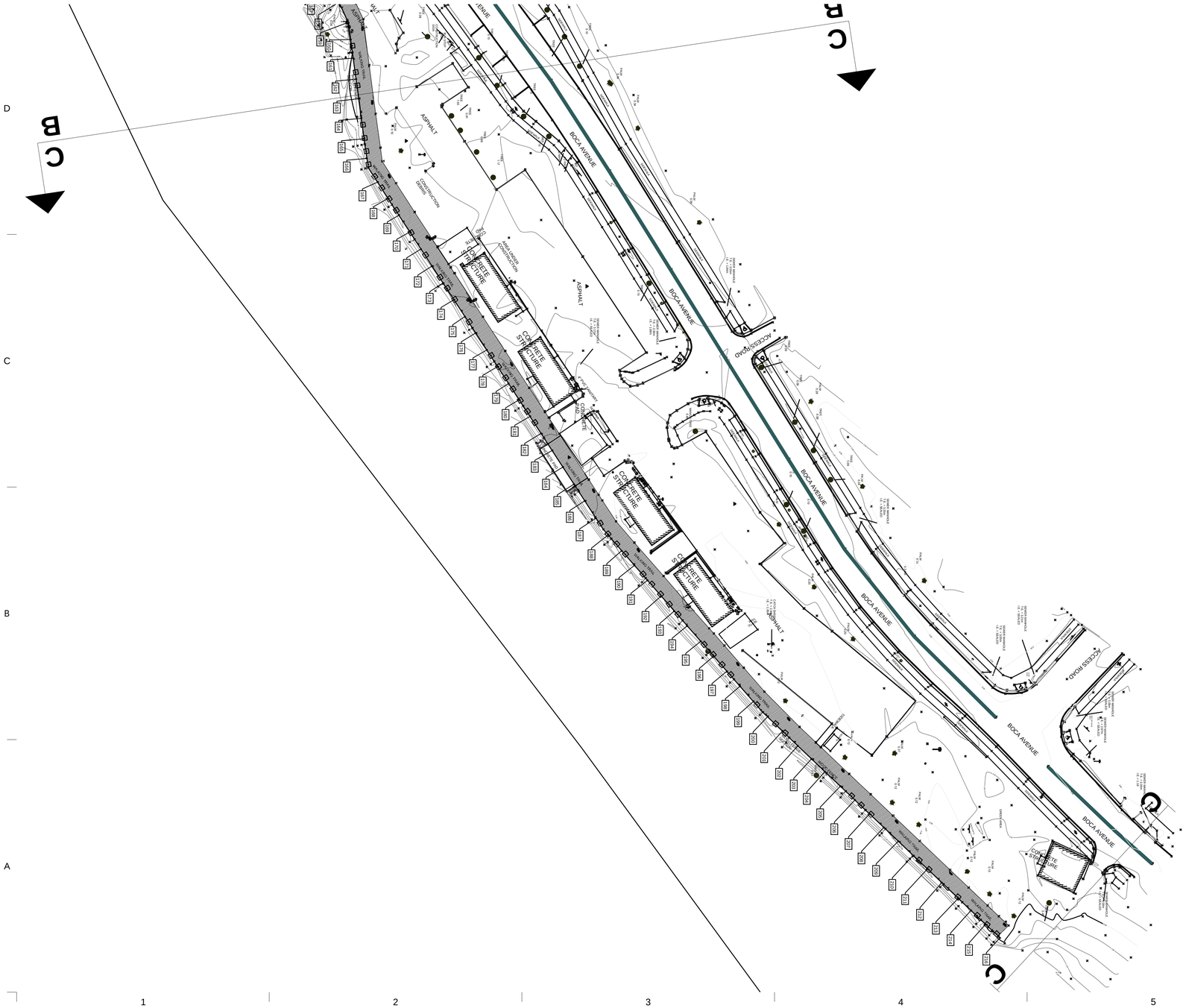
SHEET Nº: A-02

DRAWN BY: SEBASTIÁN FELICIANO

PHASE: PRELIMINARY PHASE

DATE:

PRINT DATE: 14 DE MAYO DE 2024



IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, MÉ HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 555 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: LEYENDA DE MÓDULOS SECCIÓN C

SHEET Nº: A-04

DRAWN BY: SEBASTIÁN FELICIANO

PHASE: PRELIMINARY PHASE

PRINT DATE: 14 DE MAYO DE 2024

Appendix C:
National Wetland Inventory Map

PR-CRP-000541 Wetland Map

Address: Juan de la Torre Street, Barceloneta, PR 00617
Coordinates: North- 18.458943, -66.534843 / South- 18.453635, -66.537689

U.S. Fish and Wildlife Service
National Wetlands Inventory

May 6, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Appendix D: Wetland Visual Assessment

CDBG-DR PROGRAM

City Revitalization Program

PRIMARY SCREENING FOR WETLANDS
AS PER HUD's REGULATIONS AT 24 CFR 55.9(b)

General Information:		
Project Name (Case ID):	Paseo Juan de la Torre (PR-CRP-000541)	
Coordinates:	18.453162, -66.537751 to 18.458961,-66.534844	
Parcel ID:	015-000-009-26	
Municipio:	Barceloneta	
Report Date:	June 5, 2025	
Preparer:	Javier Velez Arocho, Diatom Environmental Services, LLC	
Project Scope:		
Does this project involve new construction as defined in Executive Order 11990? (The term "new construction" shall include draining, dredging, channelizing, filling, diking, impounding, and related activities and any structures or facilities begun or authorized after the effective date of the Order.)	☐ Yes	☒ No (Based on the response, the review is in compliance)
Project Site Conditions: (Indicate whether the area is impacted or not. If impacted, specify what elements or factors are present.)	The existing Paseo Juan de la Torre (Paseo) in Barceloneta runs for approximately 2,624.67 feet (800 meters) from north to south and borders what was formerly the riverbank of the Manatí River with an average width of 12 feet (3.65 meters). The Paseo covers an area of 26,180 square feet (2,432.20 square meters) and is located in the Barceloneta urban area, heavily impacted with impervious surfaces. Vegetation areas border the length of the walkway on its eastern edge. This area is not accessible to pedestrians given a change in elevation, and that it has an existing railing which will be replaced. There are also sidewalks,	

	benches, asphalt surfaces along the linear walkway route. The soil in areas adjacent to the linear park is composed of crushed stones and consolidated material. The proposed action will have two (2) observation platforms which will extend a maximum of 20 feet from the edge of the sidewalk (see drawings of platforms in Attachment 1). The support of these platforms will occur in areas determined as "upland", per Jurisdictional Wetland report (see Attachment 2) that was prepared for activities in the pond area.

A. Visual Assessment (Desktop Study)

National Wetlands Inventory (NWI) Reference		
Coordinates: North observation platform: 18.456519°, -66.537484° South observation platform: 118.453704°, -66.537655°		
Is the project area located in proximity to wetlands identified on the National Wetlands Inventory (NWI)?	☒ Yes	The project site is in proximity to wetlands identified on NWI. (See maps in Attachment 3).
	☐ No	The project site is not in proximity of wetlands identified on NWI.

B. Visual Assessment (Field Study)

Visual Assessment performed on: 11/12/2024	
List Individual(s) conducting the assessment. List weather conditions the day the assessment was performed, description of Site Conditions and Transects performed at site.	
Individual(s) present:	Javier Vélez-Arocho, MSc Gabriel Rodríguez-Rojas, MSc

Weather Conditions: (Prior and during the site visit)	Clear Sky, dry with temperatures exceeding 81°F during the site visit. Prior to the event, the area registered heavy rains.	
Where transects performed?	☐ Yes	☒ No
If performed, how many transects were performed per transects?	None	

Wetland Vegetation:		
Was vegetation identified throughout the visit?	☒ Yes	Wetland vegetation was identified. (Provide supporting documentation) In the vegetation corridor adjacent to the project, some vegetation was identified as Facultative Wetland (FAC-wet), which refers to plants that typically grow in wetland areas but can also be found in non-wetland environments. (see information in Attachment 2 and photos in Attachment 4).
	☐ No	No wetland vegetation was identified. (Provide supporting documentation).

Wetland Hydrology:		
Was visual inundation, ponding or saturation present at the site?	☐ Yes	☒ No
Were watermarks present within site (If applicable)?	☐ Yes	☒ No
If performed, how many borings were performed per transects?	0	
If performed, how many samples were taken?	Not applicable	

Wetland Hydrology:		
If performed, was underground water found throughout borings?	☐ Yes	☐ No
If boring were performed, summarize determination of borings:	Not applicable	
Reasoning as for why borings were not performed:	Sampling in the area showed the presence of consolidated and/or aggregated soils formed with a mix of limestone, crushed stone and topsoil. The area presented extensive restrictive layers of rocks and consolidated material along the eastern side of the existing sidewalks. This is an area heavily modified by anthropomorphic activities conducted over 20 years ago. Also, the proposed project will not impact the existing channels or wetlands further East of the action area.	
Provide supporting documentation (Photo Log) with brief descriptions and georeferenced document of all boring sample locations taken at end of form.		

Hydric Soils:	
What is the NRCS' soil classification for this site?	- Cn Coloso silty clay, 0 to 2 percent slopes, occasionally flooded - RsF Rock outcrop-San German complex, 20 to 60 percent slopes - To Toa silty clay loam, 0 to 2 percent slopes, occasionally flooded - Ul Urban land Soil map included in Attachment 5.

Hydric Soils:		
If performed, how many borings were performed per transects?	0	
If performed, when were the borings performed?	Not applicable	
If performed, how many samples were taken?	Not applicable	
If performed, what were the identified soils for each sample?	Not applicable	
If performed, does the identified soil sample concur with NRCS Soil Study Identification?	☐ Yes	☐ No
If performed, was underground water found throughout borings?	☐ Yes	☐ No
If boring were performed, summarize determination of borings:	Not applicable	
Reasoning as for why borings were not performed:	The visual inspection of the area confirmed that the soils in the area adjacent to the project were severely modified during the construction of the Barceloneta Flood Control Project in 2001. No conditions of hydric soil were identified in the areas where the platforms will be located and along the land adjacent to the linear park's walkway. The soil in this area consists of made land and a restrictive layer of solid material composed of rock and fill. Sampling pits were not able to be performed because of the restrictive layer. See Attachment 5 for the location of the sampling pits. Photos of the sampling pit's	

Hydric Soils:	
	conditions are included in the document in Appendix B of the document included in Attachment 2.
Provide supporting documentation (Photo Log) with brief descriptions and georeferenced document of all boring sample locations taken at end of form.	

Summary of Finding for Wetland Indicators	
Is there a presence of mentioned indicators or characteristics of wetlands within the assessed area?	☒ Wetlands Vegetation
	☐ Hydric Soils
	☐ Hydrology
	☐ No Indicators were observed

C. Determination

Visual Assessment Field Study and Desktop Study		
Based on Visual Assessment Field Study and Desktop Study:	☐	The primary screening conclusively determined that the project site contains wetlands.
	☒	The primary screening conclusively determined that the project site does not contain wetlands.
	☐	The primary screening is inconclusive; potential wetlands should be further studied.

D. Supporting Documentation

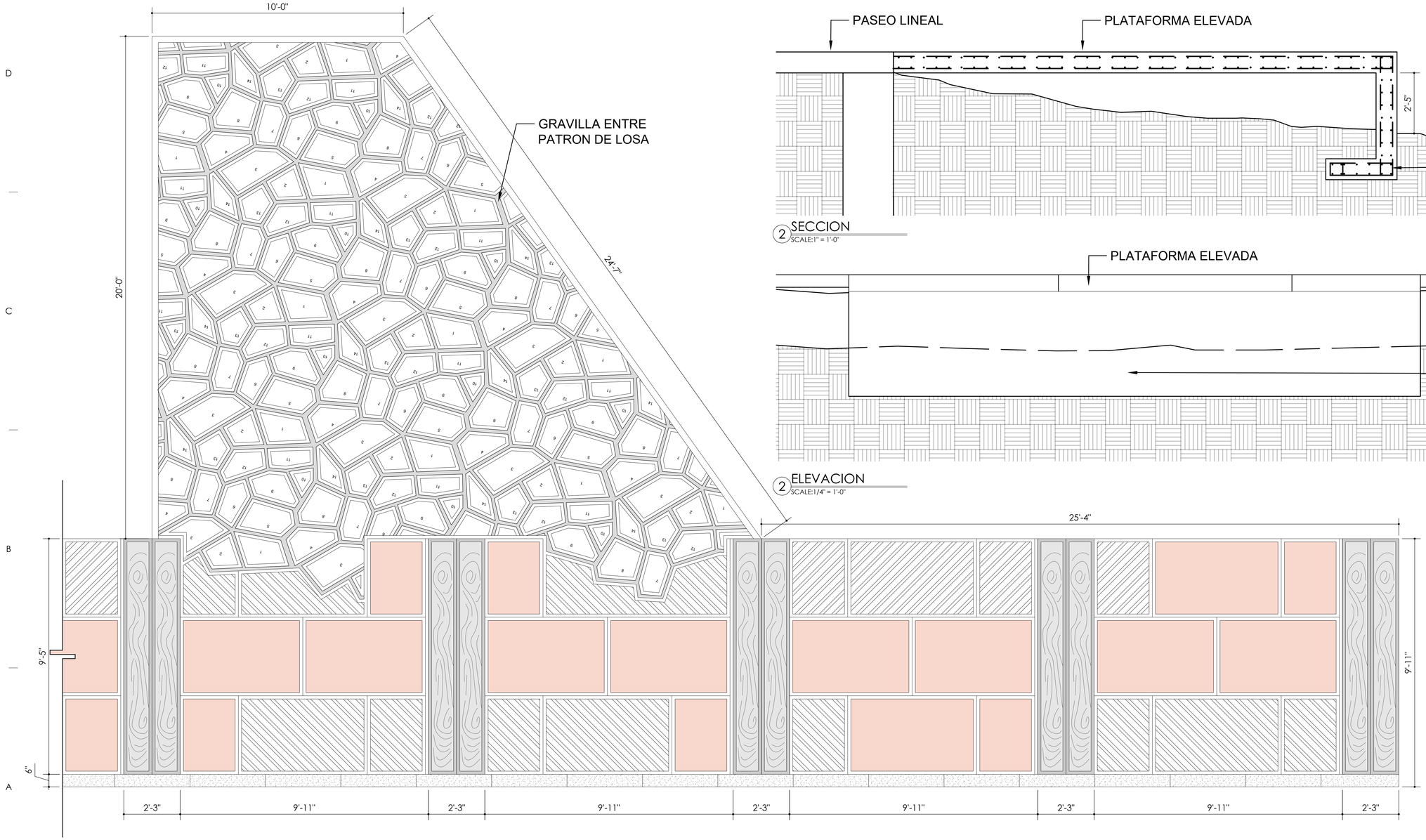
The best available information such as NRCS Soil identification, Maps, USDA Plant Lists, previous USACE wetland determinations, if any, and/or documentation of project site (if available) must be provided to support the determination made. All supporting documentation must provide source reference.

Field Study photos, photo log, and georeferenced document demonstrating location of all boring samples must be included in this form.

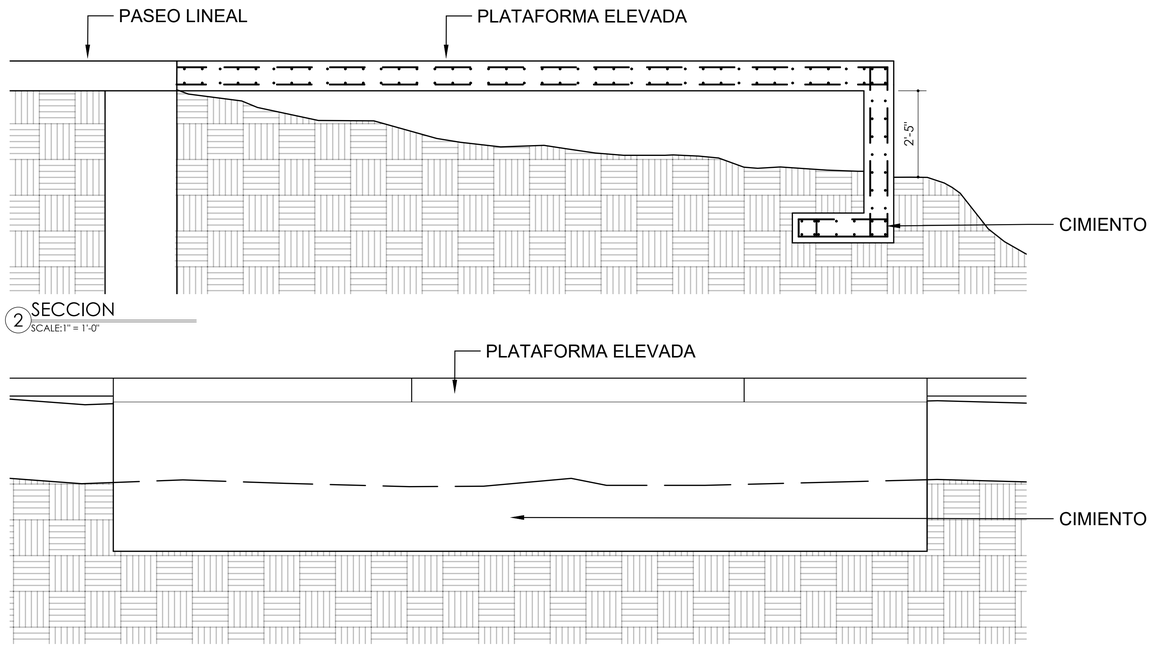
Attachments:

1	Drawings of North and South observation platforms
2	Jurisdictional Wetland Report
3	National Wetland Inventory map for the approximate locations of the north and south platforms.
4	Photos of the areas adjacent to platforms and along the linear walkway.
5	Soil map.
6	Aerial images show of Sampling Points locations.

Attachment 1: Drawings of North and South observation platforms



1 PLATAFORMA DE OBSERVACIÓN
SCALE:1/2" = 1'-0"



2 SECCION
SCALE:1" = 1'-0"

2 ELEVACION
SCALE:1/4" = 1'-0"

N

COORDENADAS:
1) 18° 27'13" N ; 66° 32'15" W
2) 18o 27'23.5o N ; 66o 32'15o W

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: PLATAFORMA DE OBSERVACIÓN SUR

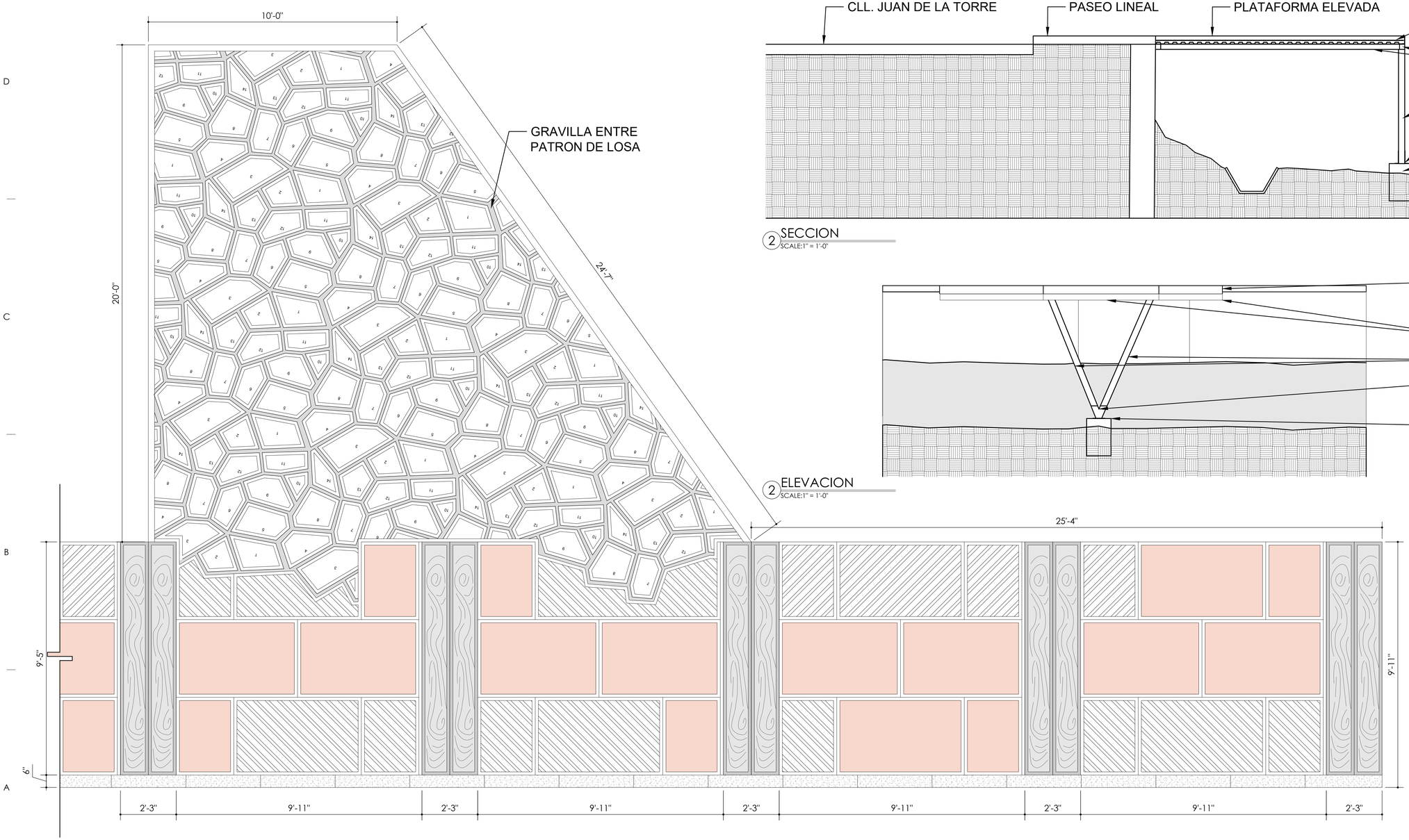
SHEET Nº: A-11

DRAWN BY:

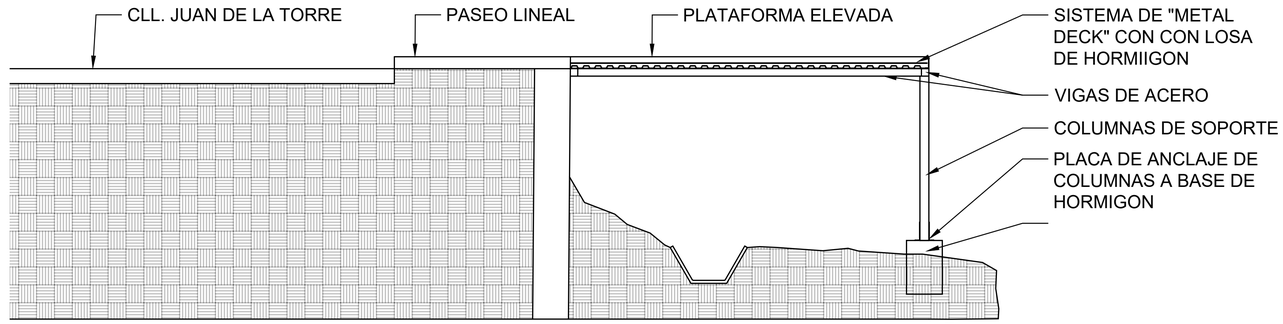
PHASE: PRELIMINARY PHASE

DATE:

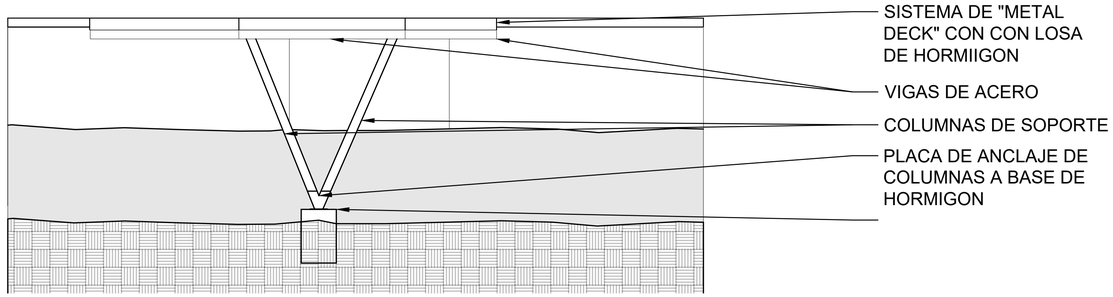
PRINT DATE: 14 DE MAYO DE 2024



1 PLATAFORMA DE OBSERVACIÓN
SCALE:1/2" = 1'-0"



2 SECCION
SCALE:1" = 1'-0"



2 ELEVACION
SCALE:1" = 1'-0"

N

COORDENADAS:
1) 18° 27'13° N ; 66° 32'15° W
2) 18° 27'23.5° N ; 66° 32'15° W

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS			
SYMB.	DESCRIPTION	DATE	APPROVAL

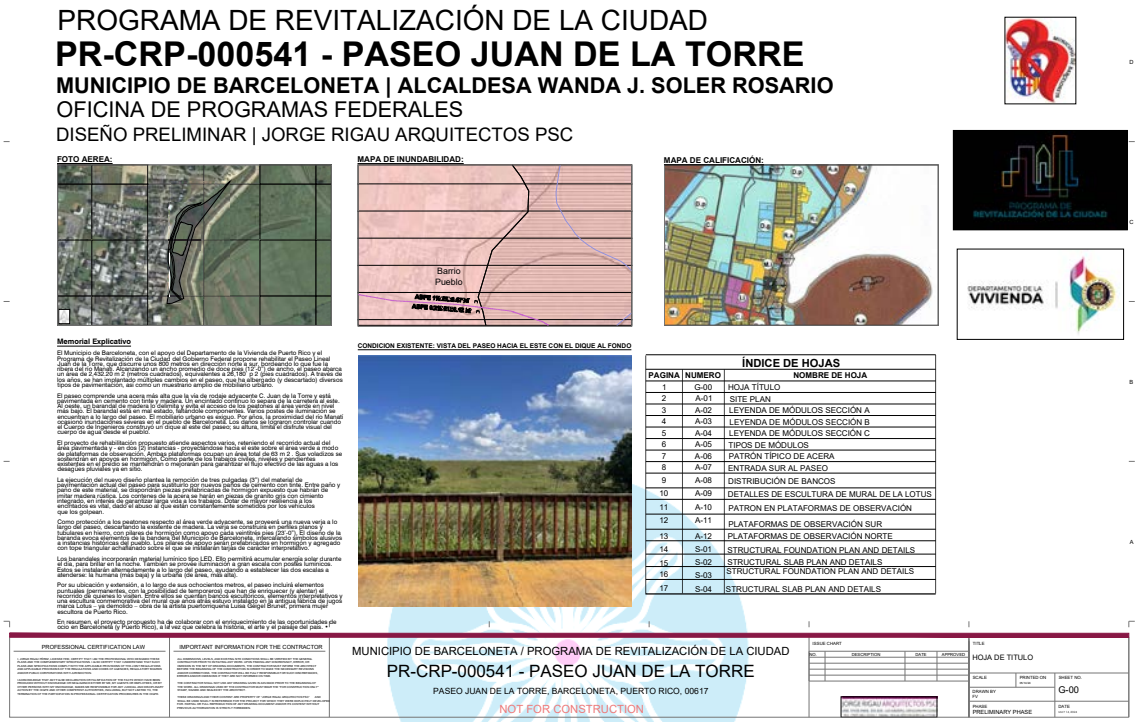
JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: PLATAFORMA DE OBSERVACIÓN NORTE	SHEET Nº: A-12
DRAWN BY:	PHASE: PRELIMINARY PHASE
	DATE:
	PRINT DATE: 14 DE MAYO DE 2024

Attachment 2: Jurisdictional Wetland Report

(Note: This evaluation was performed, in part, to address areas near and in the pod which was originally part of the project's scope. The pond is no longer part of the proposed activity.)

Jurisdictional Wetlands and U.S. Waters Determination Study



PROGRAMA DE REVITALIZACIÓN DE LA CIUDAD

PR-CRP-000541 - PASEO JUAN DE LA TORRE

MUNICIPIO DE BARCELONETA | ALCALDESA WANDA J. SOLER ROSARIO

OFICINA DE PROGRAMAS FEDERALES

DISEÑO PRELIMINAR | JORGE RIGAU ARQUITECTOS PSC

FOTO AREA:

MAPA DE INUNDABILIDAD:

Barrio Pueblo

MAPA DE CALIFICACIÓN:

PROGRAMA DE REVITALIZACIÓN DE LA CIUDAD

DEPARTAMENTO DE LA VIVIENDA

Memorial Explicativo

El Municipio de Barceloneta, con el apoyo del Departamento de la Vivienda de Puerto Rico y el Programa de Revitalización de la Ciudad del Gobierno Federal propone rehabilitar el Paseo Lineal Juan de la Torre, que discurre unos 800 metros en dirección norte a sur, bordeando lo que fue la antigua línea del ferrocarril que comunicaba a Barceloneta con Manatí. El área de intervención alcanza un área de 2,432.20 m.2 (metros cuadrados), equivalentes a 26,180 p.2 (pies cuadrados). A través de los años, se han implantado múltiples cambios en el paseo, que ha albergado (y descartado) diversos tipos de pavimentación, así como un muestrario amplio de mobiliario urbano.

El paseo comprende una acera más alta que la vía de rodaje adyacente C. Juan de la Torre y está pavimentada en cemento con brile y madera. Un encintado continuo lo separa de la carretera al este. Al oeste, un barandal de madera lo delimita y evita el acceso de los peatones al área verde en nivel inferior. Este área verde, de unos 3 metros de ancho, discurre a lo largo de todo el paseo y en ella se encuentran a lo largo del paseo. El mobiliario urbano es escaso. Por años, la proximidad del río Manatí ocasionó inundaciones severas en el pueblo de Barceloneta. Los daños se lograron controlar cuando el Cuerpo de Ingenieros construyó un dique al este del paseo; su altura, limitó el disfrute visual del cuerpo de agua desde el pueblo.

El proyecto de rehabilitación propuesto atiende aspectos varios, retemiendo el recorrido actual del área pavimentada y - en dos (2) instancias - proyectándose hacia el este sobre el área verde a modo de plataformas de observación. Estas plataformas, una al norte y otra al sur, de forma octagonal se sustentarán en apoyos en hormigón. Ambas plantean los trabajos mínimos y necesarios para que los servicios existentes en el predio se mantendrán o mejorarán para garantizar el flujo efectivo de las aguas a los desagües pluviales ya en sitio.

La ejecución del nuevo diseño plantea la remoción de tres pulgadas (3") del material de pavimentación actual del paseo para sustituirlo por nuevos paños de cemento con brile. Entre paño y paño de este material, se dispondrían piezas prefabricadas de hormigón expuesto que habrían de integrarse, en cierta medida, con el material existente. Esto permitiría un mejor acoplamiento integración, en interés de garantizar larga vida a los trabajos. Dotar de mayor resistencia a los encofrados es vital, dado el abuso al que están constantemente sometidos por los vehículos que los golpean.

Como protección a los peatones respecto al área verde adyacente, se proverá una nueva verja a lo largo del paseo, descartando la existente de madera. La verja se construirá en perfiles planos y tubulares en hierro, con pilares de hormigón como apoyo cada ventitrés pies (23'-0"). El diseño de la verja se inspirará en el de la verja de la Casa Blanca, en San Juan, como una referencia de atención a instancias históricas del pueblo. Los pilares de apoyo serán prefabricados en hormigón y agregado con tope triangular achaflanado sobre el que se instalarán tarjas de carácter interpretativo.

Los barandales incorporarán material luminico tipo LED. Ello permitirá acumular energía solar durante el día y, de noche, dotar de luz a los barandales, creando un efecto de luz a lo largo del paseo. Estos se instalarán alternadamente a lo largo del paseo, ajustando a establecer las dos escalas a atenderse: la humana (más baja) y la urbana (de área, más alta).

Por su ubicación y extensión, a lo largo de sus ochocientos metros, el paseo incluirá elementos puntuales (permanentes, con la posibilidad de temporeros) que han de enriquecer (y alentar) el recorrido de quienes lo visiten. Entre ellos se cuentan bancos escultóricos, elementos interpretativos y una escultura conmemorativa del mural que ahora allí estuvo instalado en la antigua fábrica de jugos Goya, en Canóvanas - obra de la artista puertorriqueña Luisa Geigel Brumat, primera mujer escultora de Puerto Rico.

En resumen, el proyecto propuesto ha de colaborar con el enriquecimiento de las oportunidades de ocio en Barceloneta (y Puerto Rico), a la vez que celebra la historia, el arte y el paisaje del país. "

CONDICION EXISTENTE: VISTA DEL PASEO HACIA EL ESTE CON EL DIQUE AL FONDO

ÍNDICE DE HOJAS

PAGINA	NUMERO	NOMBRE DE HOJA
1	G-00	HOJA TÍTULO
2	A-01	SITE PLAN
3	A-02	LEYENDA DE MÓDULOS SECCIÓN A
4	A-03	LEYENDA DE MÓDULOS SECCIÓN B
5	A-04	LEYENDA DE MÓDULOS SECCIÓN C
6	A-05	TIPOS DE MÓDULOS
7	A-06	PATRÓN TÍPICO DE ACERA
8	A-07	ENTRADA SUR AL PASEO
9	A-08	DISTRIBUCIÓN DE BANCOS
10	A-09	DETALLES DE ESCULTURA DE MURAL DE LA LOTUS
11	A-10	PATRON EN PLATAFORMAS DE OBSERVACIÓN
12	A-11	PLATAFORMAS DE OBSERVACIÓN SUR
13	A-12	PLATAFORMAS DE OBSERVACIÓN NORTE
14	S-01	STRUCTURAL FOUNDATION PLAN AND DETAILS
15	S-02	STRUCTURAL SLAB PLAN AND DETAILS
16	S-03	STRUCTURAL FOUNDATION PLAN AND DETAILS
17	S-04	STRUCTURAL SLAB PLAN AND DETAILS

PROFESSIONAL CERTIFICATION LAW

IMPORTANT INFORMATION FOR THE CONTRACTOR

MUNICIPIO DE BARCELONETA / PROGRAMA DE REVITALIZACIÓN DE LA CIUDAD

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

ISSUE CHART

NO.	DESCRIPTION	DATE	APPROVED

JORGE RIGAU ARQUITECTOS PSC

TITLE: HOJA DE TITULO

SCALE | PRINTED ON | SHEET NO.: G-00

DRAWN BY: PV

PHASE: PRELIMINARY PHASE

DATE

PARQUE LINEAL JUAN DE LA TORRE - BARCELONETA PR-CRP-000541

Prepared for:

Jorge Rigau, AIA, Arquitectos, PSC

Prepared by:

Diatom Environmental

DIATOM

ENVIRONMENTAL SERVICES, LLC

MARCH 2025

This page was left blank intentionally.

DIATOM
ENVIRONMENTAL SERVICES, LLC

Table of Contents

Executive Summary 4

Introduction 6

Study Site Description 8

Rainfall 9

Topography 9

Hydrology 9

Soils 9

National Wetland Inventory 9

Methodology 10

Results and Discussion 12

Wetland Vegetation 12

Wetland Soils 13

Wetland Hydrology 13

U.S. Waters 14

Uplands 14

Conclusions 16

References 18

Appendix A: Figures 20

Figure 1: General Site Over Aerial Photograph (1:20,000) 21

..... 21

Figure 2: General Site Over Aerial Photograph (1:10,000) 22

..... 22

Figure 3: Paseo Lineal Layout (1:3,000) 23

..... 23

Figure 4: Paseo Lineal Layout (1:6,000) 24

Figure 5: Hydrology Map 25

Figure 6: Soils along the proposed area for the Paseo Lineal Juan de la Torre 26

Figure 7: National Wetlands Inventory along the Barceloneta Paseo Lineal Juan de la Torre 27

Figure 8: Wetlands and Non-U.S. Waters Jurisdictional Determination Map 28

DIATOM ENVIRONMENTAL SERVICES, LLC

..... 28
Appendix B: Photographic Documentation *29*
Appendix C: Data Forms *33*

DIATOM
ENVIRONMENTAL SERVICES, LLC

Executive Summary

The Municipality of Barceloneta, with support from the Puerto Rico Department of Housing and CDBG-DR (Community Development Block Grant – Disaster Recovery) funding through the City Revitalization Program, aims to rehabilitate an existing linear park (the Paseo Lineal Juan de la Torre). This linear park extends about 800 meters (approximately 2,625 feet) from north to south, running parallel to existing roads (Juan de la Torre Street, which becomes Ave. Boca after a T-shaped intersection with Ave. Plazuela). The southernmost coordinates of the park are 18.453162, -66.537751, while the northernmost coordinates are 18.458961, -66.534844. A green area flanks the entire project on the eastern edge; this area will not be accessible to pedestrians due to an elevation change and because an existing railing limiting access will be replaced. The average width of the linear park is twelve feet (12'-0"), and the walkway covers an area of 2,432.20 m² (square meters), equivalent to 26,180 ft² (square feet). Over the years, several changes have been made within the original footprint of the promenade, which has accommodated (and removed) various types of paving and a wide variety of urban furniture.

The linear park features a sidewalk elevated above the adjacent roadways: Juan de la Torre Street and Ave. Boca (the roadway changes name approximately halfway through the project). A continuous curb separates the linear park from the road to the east. To the west, a railing defines the linear park and restricts pedestrian access to the green area. In the proposed rehabilitation, the railing will be replaced, and pedestrian access to the green area will remain restricted. The new railings are planned to be constructed with flat profiles and tubular iron, supported by concrete pillars every twenty-three feet (23'-0"). The support pillars are intended to be prefabricated with concrete and aggregate, featuring a chamfered triangular top where interpretive plaques will be installed.

The areas where the Project will be carried out constitute the study site or study area. The Project is located in the Pueblo Ward of the Municipality of Barceloneta, Puerto Rico (the Study, see **Appendix A, Figures 1 and 2**).

This document outlines the Jurisdictional Determination Study for Wetlands and U.S. Waters at the study site. The methodology employed consisted initially of a preliminary screening process and gathering background information to identify potential jurisdictional wetlands within the study area. Next, a detailed screening was conducted using a Geographic Information System (GIS) alongside data collected in the field to identify those wetlands and other areas potentially under the jurisdiction of the United States Army Corps of Engineers (USACE). The **Methodology** section of this report provides a more thorough description of the methods used.

Approximately 10,501 m² (2.6 acres) of non-jurisdictional wetlands (a developed pond) and an open channel of non-US Waters measuring 135 linear meters were found across the study site. The wetlands in the study area are illustrated in Figure **8** (**Appendix A**). The areas surrounding the existing channel and a pond created as part of the recreational facilities of the Barceloneta Flood Control Project are considered non-jurisdictional due to the absence of hydraulic connection between this area and the US Waters of the Río Grande de Manatí. Two surface freshwater discharges were observed entering the channel area, but no exits were identified within the study site. It is believed that percolation through the limestone and rock levee allows the water to exit the system. The USFWS Wetland Mapper has not classified the smaller unnamed creek.

DIATOM
ENVIRONMENTAL SERVICES, LLC

Several species of wetland plants were observed growing outside the action area where the USACE constructed a runoff retention pond more than 20 years ago. Among the species noted in this area are Malanguilla (Colocasia esculenta) and Desmanto Amarillo (Neptunia plena), which dominate the herbaceous wetlands in the channel's regions. Additionally, Malojillo (*Urochloa mutica*), Yerba venezolana (*Paspalum fasciculatum*), yerba horquetilla (*Paspalum cojugatum*), yerba de sapo (*Phyla nodiflora*), and Enea (*Typha domingensis*) were present.

The most common hydric soil indicators were inundation with 100% obligate wetland plants and Stratified Layers within the channel surface outside the action area.

Generally, the most common wetland hydrology indicators were Surface Water, Geophormic Position, and FAC-neutral test.

Introduction

The town of Barceloneta proposes a linear park with a sidewalk elevated above the adjacent roadways: Juan de la Torre Street and Ave. Boca (the roadway changes its name about halfway through the project). A continuous curb separates the linear park from the road to the west. To the east, a railing delineates the linear park and prevents pedestrian access to the green area. In the proposed rehabilitation, the railing will be replaced, and pedestrian access to the green area will continue to be restricted. The new railings are proposed to have flat profiles and tubular iron, with concrete pillars as support every twenty-three feet (23'-0"). The support pillars are proposed to be prefabricated in concrete and aggregate with a chamfered triangular top on which interpretive plaques will be installed. Due to the project's proximity to resources identified as wetlands in the National Wetland Inventory, a wetland delineation study has been proposed. The areas where the first task will be carried out constitute the study site or study area. The project is located in the Pueblo Ward of the Municipality of Barceloneta, Puerto Rico (see Study, **Appendix A, Figures 1** and **2**).

This document presents the Wetlands and U.S. Waters Jurisdictional Determination Study for the study site. The methodology used in this study adhered to the 1987 Corps of Engineers Wetland Delineation Manual and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Caribbean Islands Region (version 2.0) (the Caribbean supplement). It initially involved a preliminary screening and the gathering of background information to identify the potential jurisdictional wetlands within the study site. Subsequently, a detailed screening using a Geographic Information System (GIS) and field-collected data pinpointed the wetland areas under the jurisdiction of the USACE. The

Methodology section of this report elaborates on the methodology employed in greater detail.

This report comprises four sections: a site description, methodology, results and discussion, and conclusions. **Appendix A** contains topographic, aerial imagery, hydrographic, National Wetlands Inventory, and soil survey maps. The Jurisdictional Wetlands and U.S Waters delineation figure was overlaid on an aerial image of the area. Photographic documentation of sampling points is included in **Appendix B**. **Appendix C** consists of the Data Forms from the Caribbean supplement.

Fieldwork for this JD was performed in November 2024.

DIATOM
ENVIRONMENTAL SERVICES, LLC

Study Site Description

The study site is located in the Pueblo Ward, Municipality of Barceloneta (**Appendix A, Figures 1** and **2**). The linear park has an average width of twelve feet (12'-0") and encompasses an area of 2,432.20 m² (square meters), which is equivalent to 26,180 ft² (square feet). Over the years, various changes have been made to the promenade within the original footprint, which has hosted and discarded multiple types of paving and a wide range of urban furniture. The linear park features a sidewalk that is higher than the adjacent roadways: Juan de la Torre Street and Ave. Boca (the roadway changes name about halfway through the project). A continuous curb separates the linear park from the roadway to the east. To the west, a railing delineates the linear park and prevents pedestrian access to the green area. In the proposed rehabilitation, the railing will be replaced, and pedestrian access to the green area will continue to be restricted. The new railings are proposed to be constructed with flat profiles and tubular iron, supported by concrete pillars every twenty-three feet (23'-0").

The support pillars are proposed to be prefabricated using concrete and aggregate, featuring a chamfered triangular top for the installation of interpretive plaques. Several lighting poles currently line the promenade. In the proposed project, these lighting fixtures will be replaced while adhering to dark skies regulations and guidelines. To execute the new design, three inches of the existing paving on the promenade will be removed and replaced with new dyed cement strips. Additionally, several prefabricated elements of exposed concrete will be arranged along the promenade.

Due to its location and length—800 meters (approximately 2,625 feet)—the rehabilitated promenade will feature several key elements along the span of the linear park. Two surface freshwater discharges were identified during the fieldwork, flowing into the existing channel. These small surface water bodies travel east of Plazuela Avenue (see **Figure 5**, **Appendix A**).

Rainfall

According to the National Climatic Data Center (NCDC), Barceloneta has significant seasonal variations in monthly rainfall. Rain falls throughout the year in Barceloneta, with September being the wettest month, averaging 4.4 inches of rain. January experiences the least rainfall, averaging 1.2 inches. The climate in Barceloneta is hot, oppressive, windy, and partly cloudy. Throughout the year, temperatures typically range from 70°F to 89°F, rarely dipping below 67°F or exceeding 91°F.

Topography

According to the USGS topographic quadrangles of Barceloneta, the entire study site is at an elevation of 0.0 to 4.0 meters above mean sea level. **Figure 1** (**Appendix A**) displays the study site over the topographic quadrangles of Barceloneta and San Juan.

Hydrology

A system of earthen and stone levees encircles the study site. These canals are components of the Barceloneta Flood Control Project's stormwater drainage system and drain into the Río Grande de Manatí beyond the project area. The hydrographic map for the region is presented in **Figure 5** (**Appendix A**).

DIATOM
ENVIRONMENTAL SERVICES, LLC

Soils

According to the U.S. Department of Agriculture's Soil Conservation Service, the study site primarily consists of urban land and Cn or Coloso silty clay, with slopes of 0 to 2 percent, and is occasionally flooded, covering approximately 55.7 acres or 19.2% of the entire urban area. **Figures 6** (**Appendix A**) illustrate the soils found within the study site.

National Wetland Inventory

The National Wetland Inventory (NWI), prepared by the U.S. Fish and Wildlife Service (USFWS), identifies this surface water channel as Riverine, Surface Flooding Permanent

(R2UBH), while the land east of the existing pond is classified as Fresh Water Emergent Wetland Surface Flooding Temporary (PEM1A). The area where the project will take place is classified as upland (UPL). **Figure 7** (**Appendix A**) shows the National Wetlands Inventory for the study site.

It is important to note that the NWI was conducted in the 1970s. Currently, some wetlands are excluded from the NWI, and certain areas designated as wetlands under the NWI require updates. The NWI study was revised on May 1, 2023.

Methodology

The methodology utilized in this study adhered to the Routine Determination with an onsite inspection method, as outlined in the *1987 Corps of Engineers Wetland Delineation Manual* (the Manual) for areas totaling 5 acres or less and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Caribbean Islands Region (version 2.0) (the Caribbean Supplement).

The Caribbean supplement took precedence in situations where discrepancies arose between the manual and the Caribbean supplement. In certain areas, making a determination was challenging due to previous or ongoing land use or other factors. In these instances, the determination relied on the best available information, interpreted in light of professional experience and an understanding of the ecology of wetlands in the region, as noted in the Caribbean supplement.

This JD was carried out in three phases. Phase 1 of the study involved a screening-level analysis to identify areas within the site that exhibit wetland characteristics. The screening analysis utilized a Geographic Information System (GIS). This analysis incorporated aerial imagery from various years, a soil map, a National Wetlands Inventory map, a hydrographic map, and a topographic map. The data collected from this phase provided specific and essential information regarding the location of potential wetland areas. This

phase also included a preliminary site visit to assess the environmental conditions of the study site. It further helped the team gain a better understanding of the wetland condition and location to develop a fieldwork plan.

Phase II of the study involved field visits to map the jurisdictional wetlands on the site. Each visit included sampling, collecting, and describing the site's hydrology, soils, and dominant vegetation around representative sampling locations.

The following tasks were carried out during Phase II:

- Visual inspection of the site and identification of landscape features;
- Identification of plant communities;
- Selection of a representative area within each plant community to dig a soil pit;
- Identification of dominant plant species from the various strata;
- Characterization of soil properties and colors in the soil pit.
- Measure of depth where hydric soil indicators (if any) appear;
- Description of the hydrology around and within the soil pit;
- Photographic documentation of the site, soil pits, or vegetation;
- Geographic Positioning System (GPS) documentation of sampling points; and
- Wetland delineation and documentation of wetland limits.

DIATOM

All sections of the interconnection line that runs along the roadside or across dirt roads were thoroughly evaluated.

Position coordinates on the physical boundary were collected to define the wetland/upland boundary within the channel and the proposed sidewalk project. Those points were then superimposed on a recent topographic study of the site. This method proved beneficial and accurately delineated the wetland.

The 2020 Wetland Plant List served as a reference for determining the wetland indicator status of various plant species. Plants not listed in the 2020 Wetland Plant List (NI or Not Indicated) were classified as UPL (Upland Species).

The Munsell Soil Color Charts (2009) served as a reference for determining soil colors (hue, value, and chroma) and estimating the proportions of redoximorphic features.

Phase III of the study involved the final analysis of the data collected during Phases I and II, as well as the creation of this report.

Results and Discussion

Approximately 10,501 m² (2.6 acres) of non-jurisdictional wetlands (developed pond) were identified across the study site, along with 135 linear meters (135 m²) of non-U.S. waters found within the same area. **Figure 8** (**Appendix A**) presents this project's Wetlands and Non-U.S. Waters Jurisdictional Determination Map. According to the municipal managers, the local government is considering restoration activities for the constructed pond. Depending on the alternative action, the proposed measures could affect the non-jurisdictional wetlands. The area transitions into upland on both sides of the channel, which is covered with deep deposits of aggregates and topsoil. A restrictive layer of aggregates spans the entire study area.

DIATOM
ENVIRONMENTAL SERVICES, LLC

Wetland Vegetation

Several species of wetland plants were observed growing outside the action area where the USACE constructed a runoff retention pond more than 20 years ago. Among the species noted in this area are Malanguilla (Colocasia esculenta) and Desmanto Amarillo (*Neptunia plena*), which dominate the herbaceous wetlands in the channel's regions. Additionally, Malojillo (*Urochloa mutica*), Yerba venezolana (*Paspalum fasciculatum*), yerba horquetilla (Paspalum cojugatum), yerba de sapo (Phyla nodiflora), and Enea (Typha domingensis) were present.

Table 1 includes the dominant plant species within channels, with their respective indicator.

Table 1. Dominant plant species within the border of the channel and the wetlands in the Pond

Scientific Name	Common Name	Stratum	Indicator*
Colocasia esculenta	Malanga	Herbaceous	FACW+, OBL
Neptunia plena	Desmanto amarillo	Herbaceous	FACW
Paspalum fasciculatum	Yerba venezolana	Herbaceous	FACW
Paspalum conjugatum	Yerba horquetilla	Herbaceous	FAWC
Urochloa mutica	Malojillo	Herbaceous	FACW
Typha domingensis	Enea	Herbaceous	OBL
Phyla nodiflora	Hierba de sapo	Herbaceous	FACW
Panicum aquaticum	Yerba acuática	Herbaceous	FACW

*OBL: Obligate wetland plants (almost always occur in wetlands; FACW: Facultative wetland plants (usually occurs in wetlands but may occur in non-wetlands).

All plant species that dominate wetlands or US waters are categorized as FACW or OBL.

Wetland Soils

Regarding hydric soil indicators, 10YR was the most abundant soil hue, as expected.

Channel areas were found to be inundated with 100% OBL species. In herbaceous wetlands, hydric soil indicators included the hydric soil indicator and stratified layers, which indicate problematic hydric soils. Stratified layers were observed at sampling point 19. Both hydrophytic vegetation and wetland hydrology indicators were present at this sampling point.

Wetland Hydrology

Surface Water (Primary Wetland Hydrology Indicator A1) was observed in the channel. Geomorphic Position (Secondary Wetland Hydrology Indicator D2) and FAC-neutral test (Secondary Wetland Hydrology Indicator D5) were identified in herbaceous wetlands.

U.S. Waters

No U.S. waters were identified in the proposed project area. The existing channel has no direct hydraulic connection to the Manatí River. As noted in the **Study Site Description** section, this canal channel is part of the Barceloneta Flood Control Project stormwater drainage system. Vegetation, primarily herbaceous, exists along its borders. Therefore, it is considered non-U.S. waters.

Uplands

Uplands are primarily located within the proposed project area along much of the avenue and in the PRDTOP right of way.

Most common upland species are Hierba de guinea (*Megathyrsus maximus*), Moca (*Indira inermis*), Coconut Palm (*Cocos nucifera*), Almendro (*Terminalia catappa*), Pata de gallina (*Eleusine indica*) and hierba de elefante.

DIATOM
ENVIRONMENTAL SERVICES, LLC

Table 2 includes the dominant plant species within uplands, with their respective indicator.

Table 2. Dominant Plant Species within Uplands

Scientific Name	Common Name	Stratum	Indicator*
Megathyrsus maximus	Hierba de Guinea	Herbaceous	FACU
Leucaena leucocephala	Zarcilla	Tree	FACU
Indira inermis	Moca	Tree	FACU
Cocos nucifera	Coconut	Palm	FACU
Terminalia catappa	Almendro	Tree	FACU
Cenchrus purpureus	Hierba de elefante	Herbaceous	FAC

*FACU: Facultative Upland plants (usually occur in non-wetlands but may occur in wetlands); FAC: Facultative plants (occur in wetlands and in non-wetlands).

Upland areas displayed no indicators of hydric soil. Soils, particularly near the channel where a wall is located, were highly compacted and contained fill material along with small to medium subangular blocky structures. Indicators of wetland hydrology were not present within non-wetlands.

DIATOM
ENVIRONMENTAL SERVICES, LLC

Conclusions

This Wetlands and U.S. Waters Jurisdictional Determination Study concludes that the approximately 10501 m² (2.6 acres) of non-jurisdictional wetlands and 135 linear meters (135 m²) of non-U.S. Waters found within the study site should not fall under the jurisdiction of the U.S. Army Corps of Engineers, in accordance with Section 404 and Section 10 of the Clean Water Act of 1972, as amended. However, all submerged lands are classified as wetlands. According to E.O. 11990, the term "wetlands" refers to areas that are inundated by surface or ground water with a frequency sufficient to support, and under normal circumstances do or would support, a prevalence of vegetative or aquatic life that requires saturated or seasonally saturated soil conditions for growth and reproduction. Wetlands generally include swamps, marshes, bogs, and similar areas such as sloughs, potholes, wet meadows, river overflows, mud flats, and natural ponds.

Wetlands under E.O. 11990 encompass both isolated and non-jurisdictional wetlands. Additionally, per Title 24, Subtitle A, Part 55, § 55.2 Terminology: “Wetlands are areas inundated or saturated by surface or groundwater with a frequency sufficient to support, and under normal circumstances do or would support, a prevalence of vegetative or aquatic life that requires saturated or seasonally saturated soil conditions for growth and reproduction. Wetlands generally include swamps, marshes, bogs, and similar areas such as sloughs, prairie potholes, wet meadows, river overflows, mud flats, and natural ponds. This definition encompasses wetland areas that are separated from their natural water supply due to the construction of structural flood protection methods, solid-fill roadbeds, and activities such as mineral extraction and navigation improvements. It also comprises wetlands that are subject to and those that are not subject to Section 404 of the Clean Water Act and constructed wetlands.

This conclusion is supported by:

1. Hydrophytic vegetation, hydric soils, and wetland hydrology exist in delineated wetlands.

2. The existing wetlands lack a continuous surface connection to Traditional Navigable Waters (TNW), represented by the riverine area east of the property, which directly connects to the Atlantic Ocean.
3. The delineated channel is part of the Barceloneta Flood Control Project stormwater control system.

It is crucial to consider the possible requirements of the Puerto Rico Department of Natural and Environmental Resources if the wetland areas identified in this study are impacted. State Law 41 (Wildlife Protection Law) may apply to the proposed action due to a potential modification of the existing water body.

Signed by:

Javier Vélez Arocho, Senior Biologist
Diatom Environmental Services, LLC

DIATOM
ENVIRONMENTAL SERVICES, LLC

References

Acevedo-Rodríguez, P. and Woodbury, R. O. **1985**. *Los bejucos de Puerto Rico.* Volumen 1. General Technical Report S0-85. New Orleans, LA: U.S. Department of Agriculture, Forest Service, Southern Forest Experiment Station. 331 pp.

Boccheciamp, R.A. **1982**. *Soil Survey of Humacao Area of Puerto Rico*. U.S.D.A. Soil Conservation Service. 180 pp. plus appendices.

Department of Natural and Environmental Resources, et al. **2001**. *Guide to Identify Common Wetland Plants in the Caribbean Area: Puerto Rico and the U.S. Virgin Islands*. Editorial de la Universidad de Puerto Rico. 268 pp.

Environmental Laboratory. **1987**. *Corps of Engineers Wetlands Delineation Manual*. U.S. Army Engineer Waterways Experimental Station, Vicksburg, M.S. Tech. Rpt. Y-87-1. 100 pp. plus appendices.

Environmental Laboratory. **2011**. *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Caribbean Islands Region (version 2.0).*. U.S. Army Engineer Research and Development Center, Vicksburg, M.S. ERDC/EL TR-09-8. 119 pp. plus appendices.

GretagMacbeth. **2000**. *Munsell Soil Color Charts*. Munsell Color, New Windsor, NY.

Hutchinson, Ian. 1988. *Salinity Tolerance of Plants of Estuarine Wetlands and Associated Uplands*. Washington State Shorelands and Coastal Zone Management Program: Wetlands Section. Report in fulfillment of contract No. C0088137.

Liogier, H. A. **1985**. *Descriptive Flora of Puerto Rico and adjacent islands*. Volumes I-V. Editorial de la Universidad de Puerto Rico, Río Piedras, PR.

Little, E. L. and Wadsworth, F. H. **1964**. *Common Trees of Puerto Rico and the Virgin Islands*. Agricultural Handbook No. 249. U.S. Department of Agriculture, Forest Service. Washington, D.C. 556 pp.

Más, E.G. and García Molinari, O. **1990**. *Guía Ilustrada de Yerbas Comunes en Puerto Rico*. Servicio de Extensión Agrícola, Universidad de Puerto Rico, Recinto Universitario de Mayagüez, Colegio de Ciencias Agrícolas. 103 pp.

Ramey, Víctor. **2001**. *Grasses, Sedges and Rushes of Wetlands*. Identification Deck. With notes about wildlife use. University of Florida. Institute of Food and Agricultural Sciences. 85 pp.

Tiner, Ralph W. **1999**. *Wetland Indicators: a guide to wetland identification, delineation, classification, and mapping*. CRC Press LLC. 363 pp.

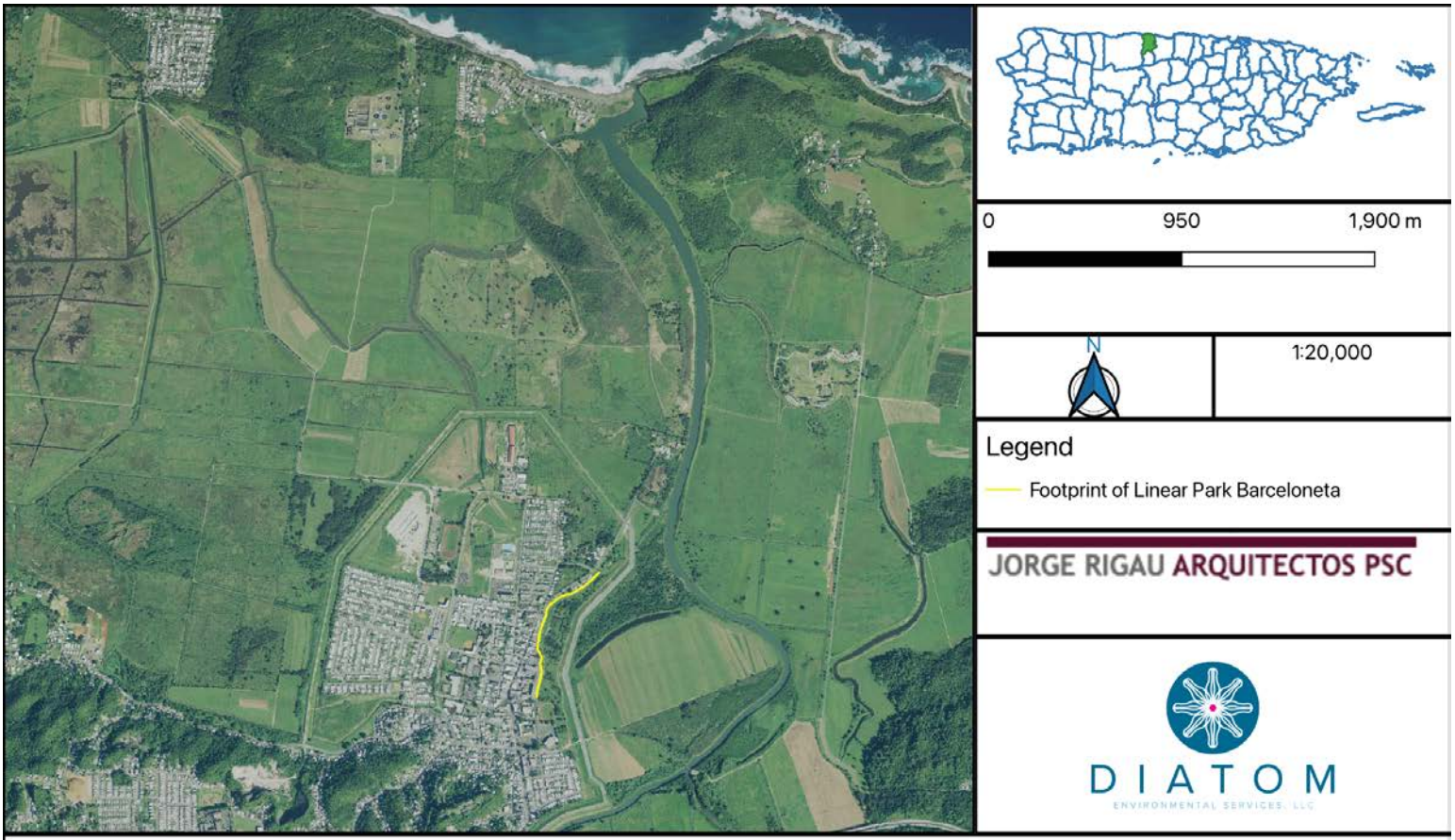
United States Department of Agriculture. Soil Conservation Service. Caribbean Area. San Juan Puerto Rico. **1993**. *Hydric Soils of the Caribbean*. In Cooperation with the National Technical Committee for Hydric Soils.

DIATOM
ENVIRONMENTAL SERVICES, LLC

Appendix A: Figures

DIATOM
ENVIRONMENTAL SERVICES, LLC

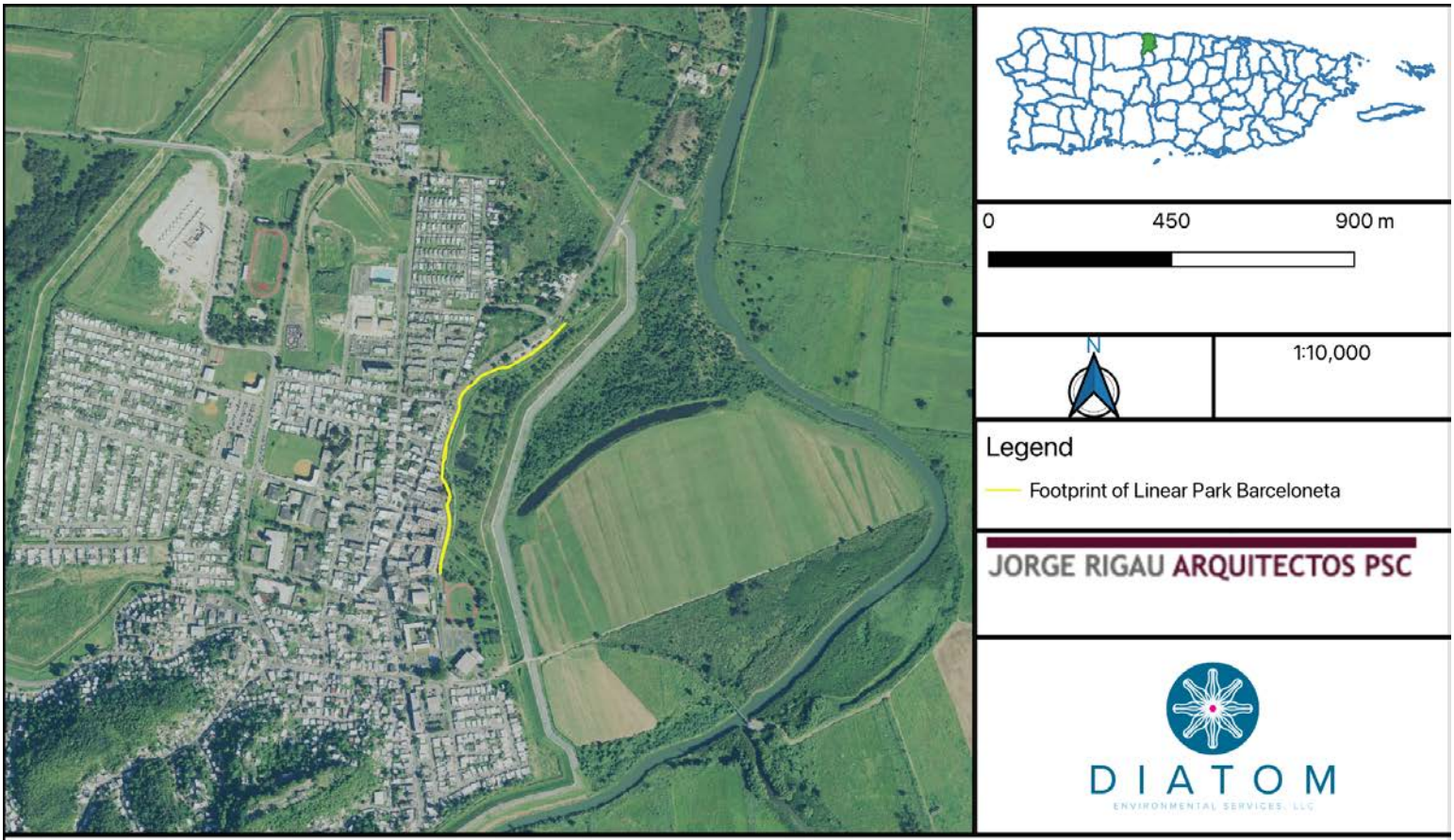
Figure 1: General Site Over Aerial Photograph (1:20,000)



GENERAL SITE MAP
PARQUE LINEAL JUAN DE LA TORRE - BARCELONETA PR-CRP-000541

SCALE 1:20,000
IMAGERY SOURCE: NOAA

Figure 2: General Site Over Aerial Photograph (1:10,000)



GENERAL SITE MAP
PARQUE LINEAL JUAN DE LA TORRE - BARCELONETA PR-CRP-000541

SCALE 1:10,000
IMAGERY SOURCE: NOAA

Figure 3: Paseo Lineal Layout (1:3,000)

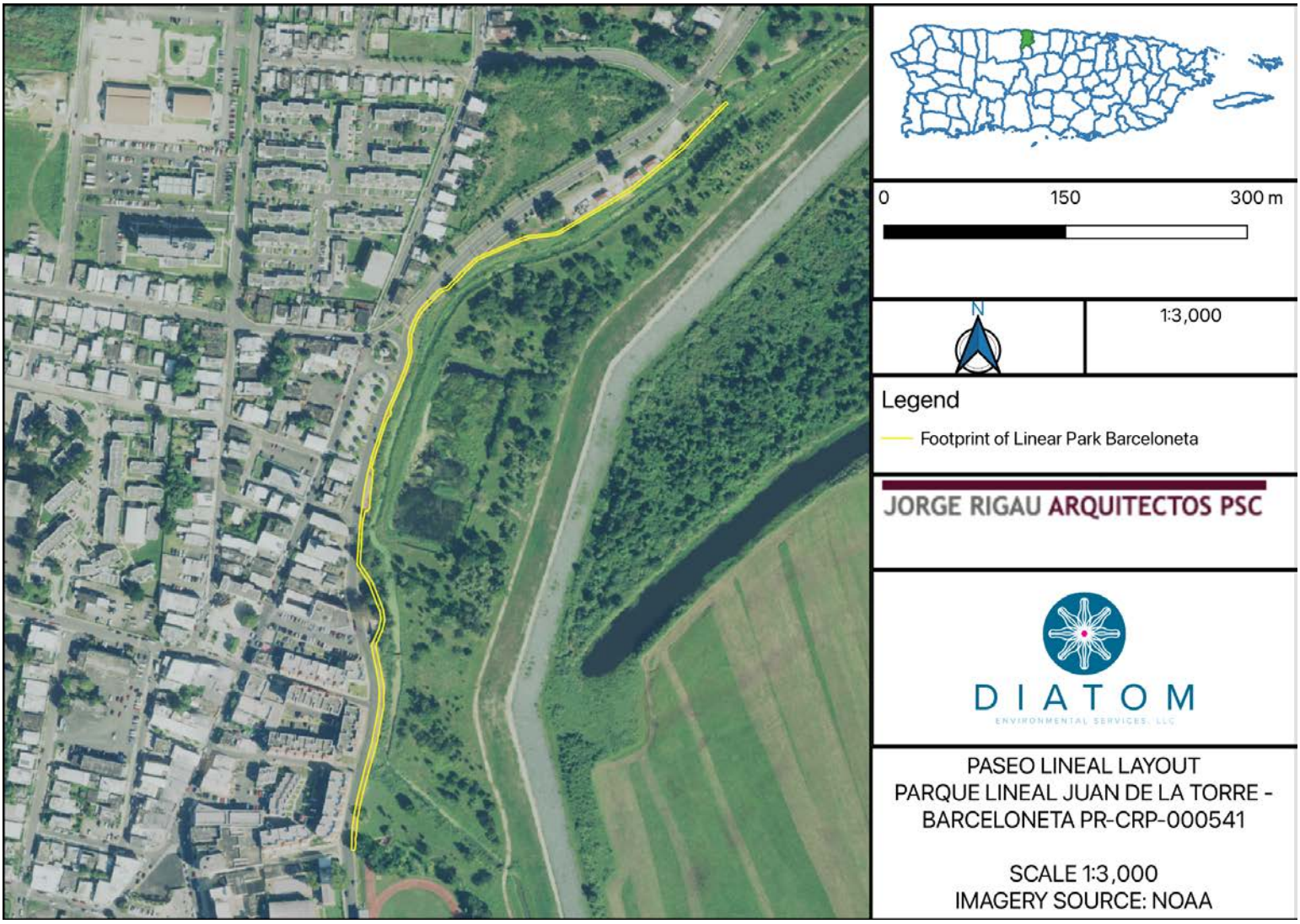


Figure 4: Paseo Lineal Layout (1:6,000)

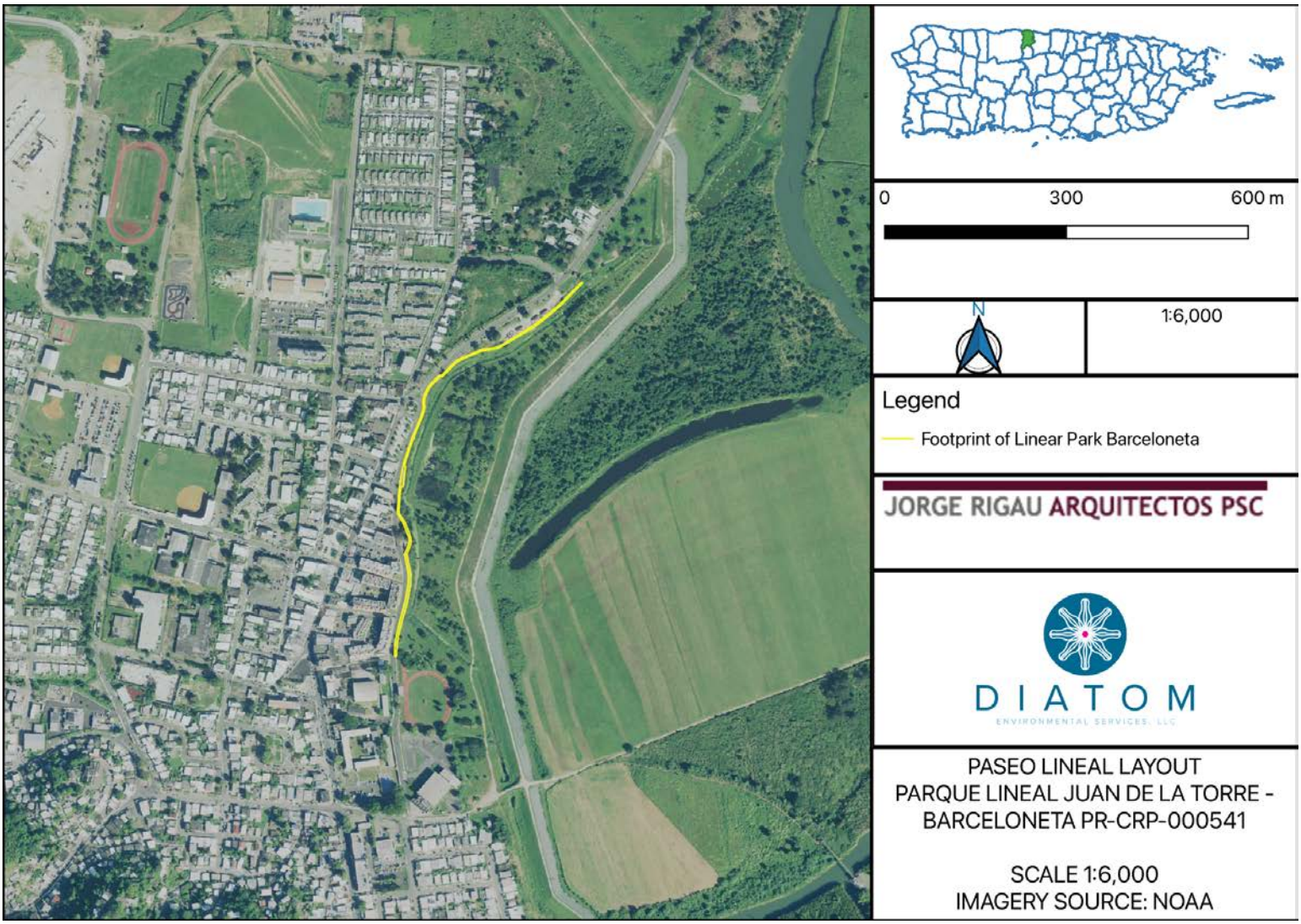


Figure 5: Hydro*logy* Map

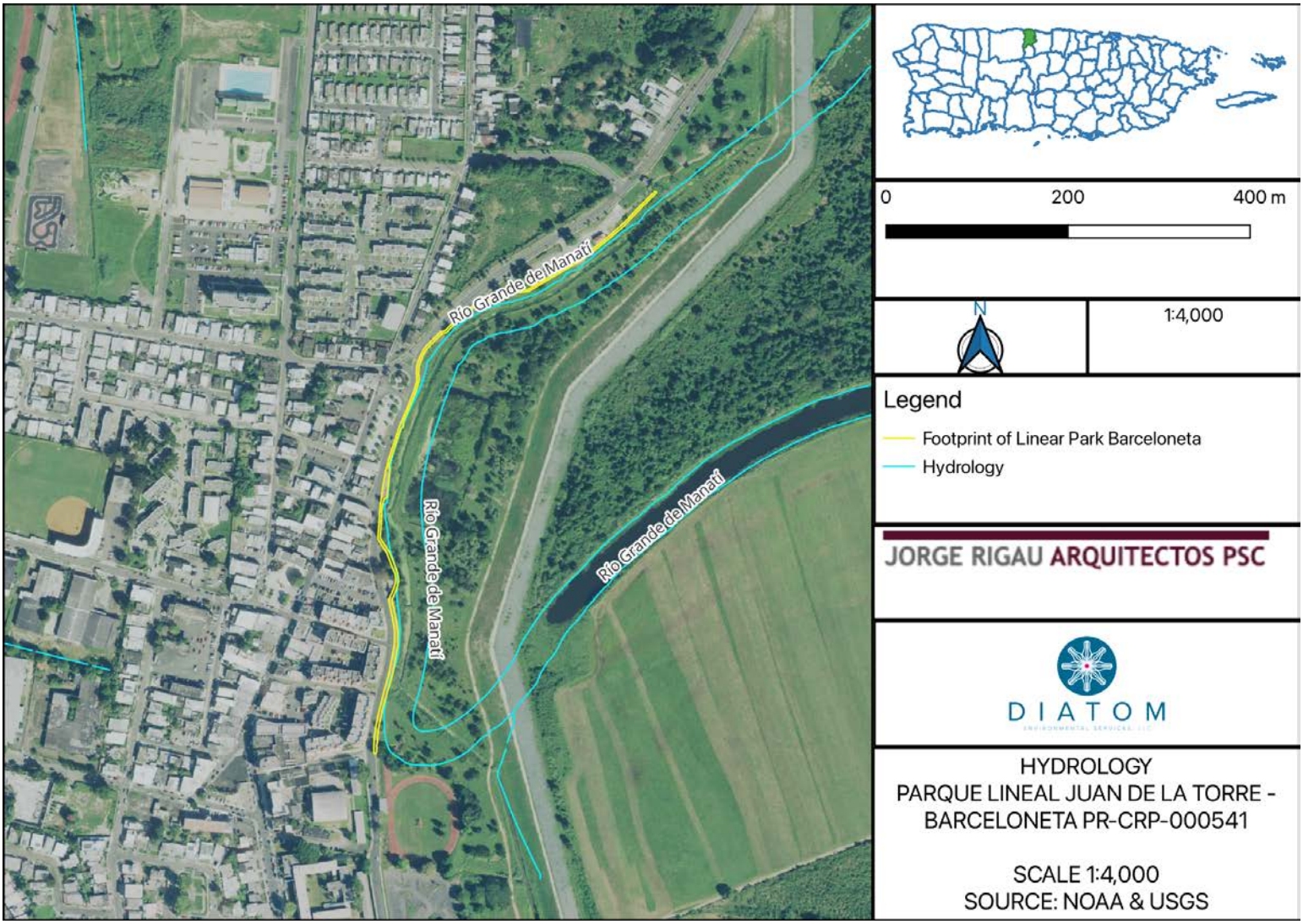


Figure 6: Soils along the proposed area for the Paseo Lineal Juan de la Torre

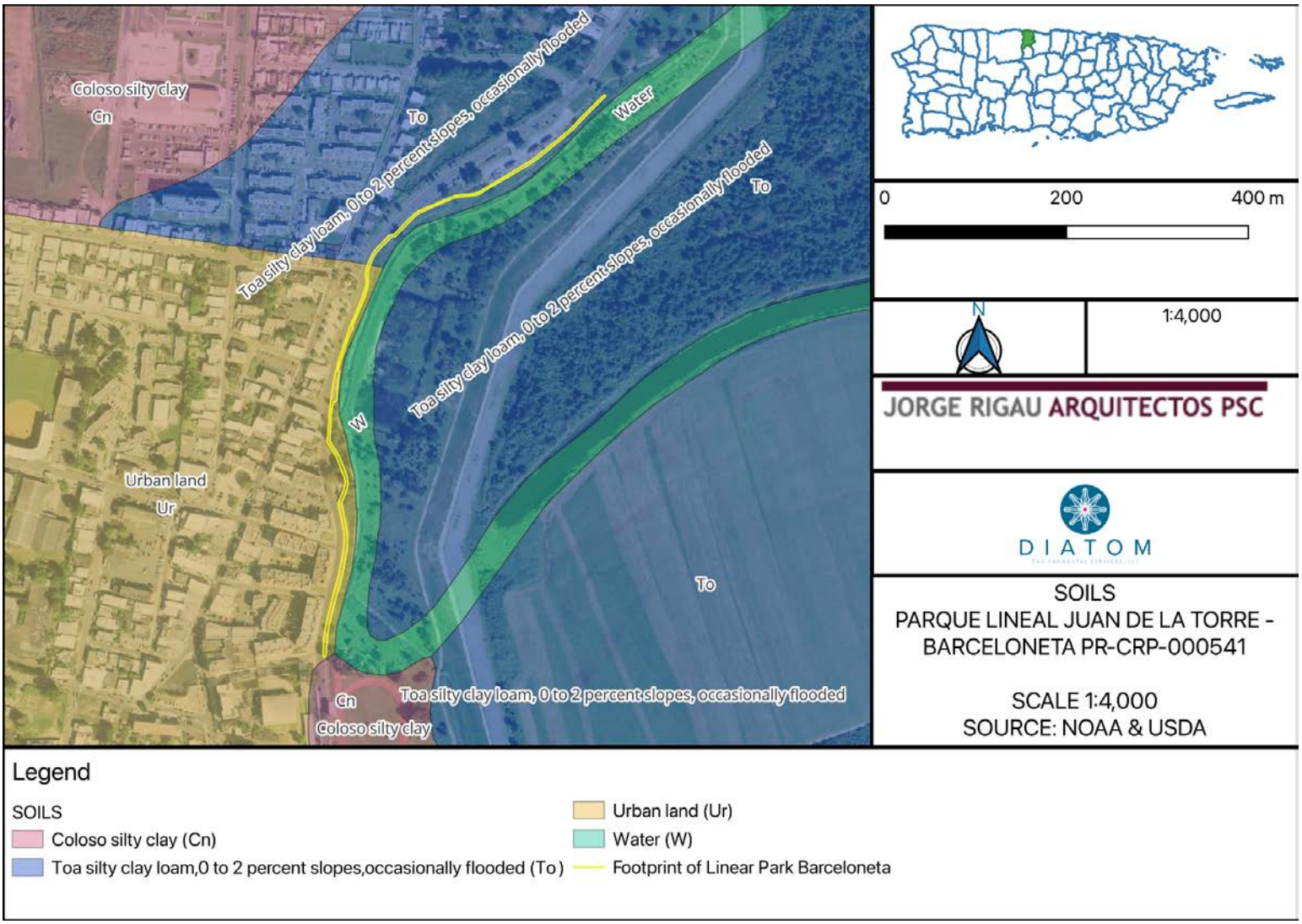


Figure 7: National Wetlands Inventory along the Barceloneta Paseo Lineal Juan de la Torre

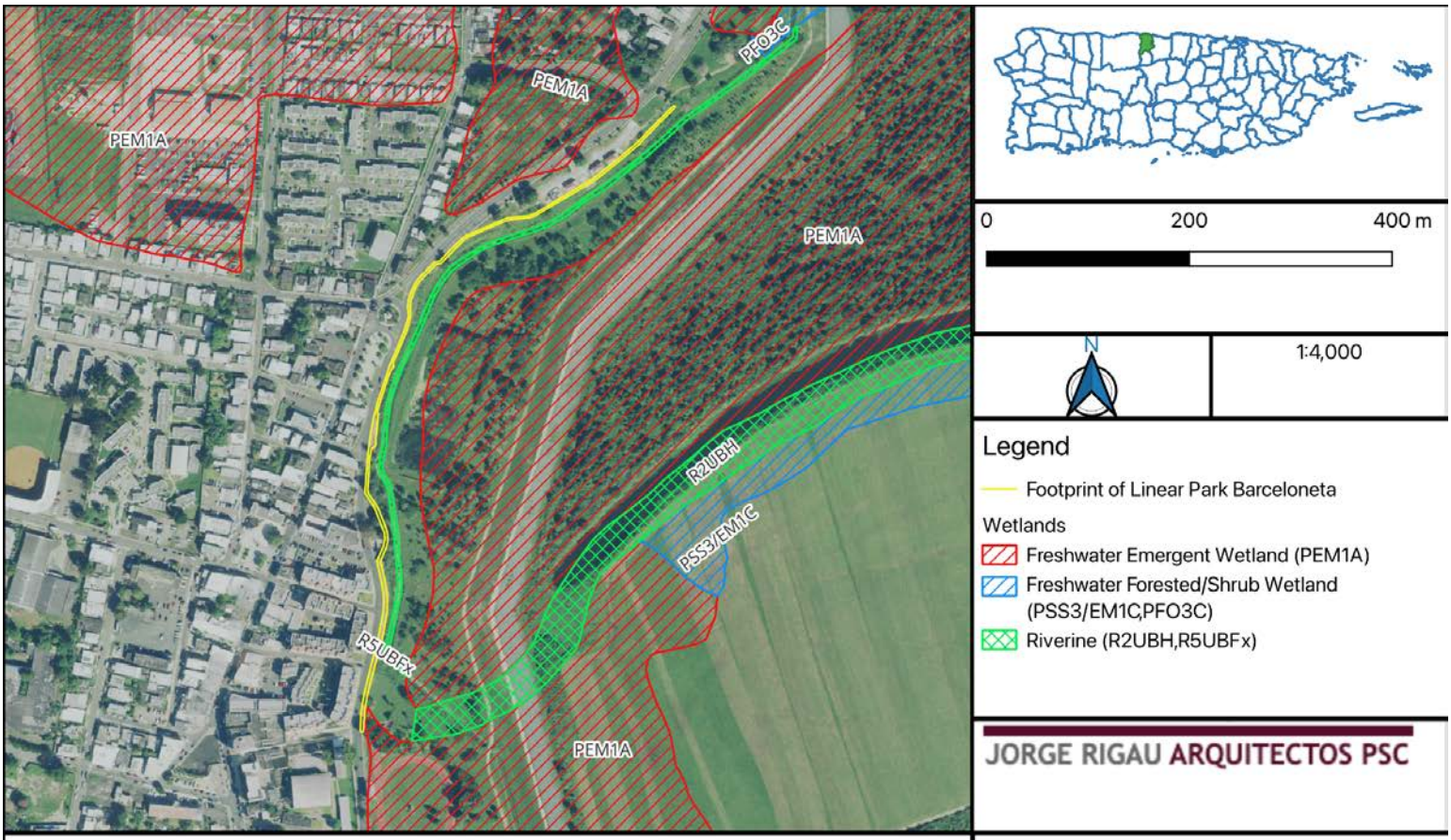
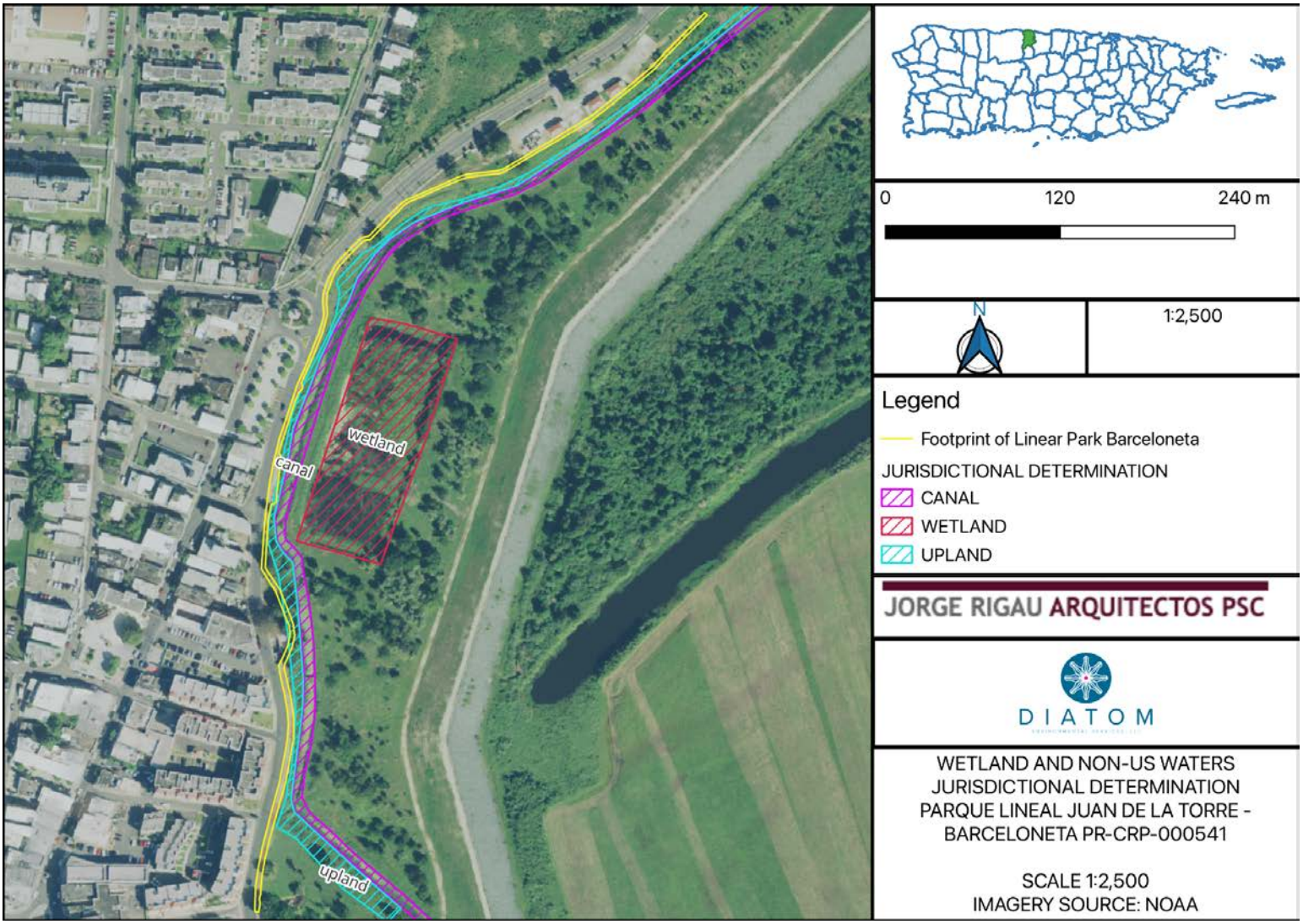


Figure 8: Wetlands and Non-U.S. Waters Jurisdictional Determination Map



Appendix B: Photographic Documentation

Photo 1 Sampling Point 01 general area

Photo 2 Sampling Point 01 soil pit – restrictive layer

Photo 3 Sampling Point 02 Soil pit

Photo 4 Sampling Point 02 general area

Photo 5 Sampling Point 03 Soil Pit

Photo 6 Sampling Point 03 general area

Photo 7 Sampling Point 04 No Sampling Pit – View of the existing pond

Photo 8 Sampling Point 04 General Area

Appendix C: Data Forms

WETLAND DETERMINATION DATA FORM – Caribbean Islands Region

Project/Site: Paseo Lineal Juan de la Torre Municipality/Town: Barceloneta Sampling Date: 11/2/2024
Applicant/Owner: Municipality of Barceloneta PR or USVI: PR Sampling Point: SP02
Investigator(s): Javier Vélez Arocho-Diatom Environmental Services, LLC Ward/Estate: Pueblo
Landform (hillslope, terrace, etc.): Terrace / footslope Local relief (concave, convex, none): none Slope (%): 0-2%
Lat: 18.455951 Long: -66.537528 Datum: State Plane, NAD 83
Soil Map Unit Name: UL/Cn NWI classification: R2HUB/PEM1A
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
Are Vegetation Yes, Soil Yes, or Hydrology Yes significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐
Are Vegetation No, Soil No, or Hydrology No naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☐	No ☑	**Is the Sampled Area within a Wetland?** Yes ☐ No ☑
Hydric Soil Present?	Yes ☐	No ☑	
Wetland Hydrology Present?	Yes ☐	No ☑	

Remarks:
Sampling point is located within a herbaceous area east of the existing channel.

VEGETATION – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status
Tree Stratum (Plot size: 30 feet radius)			
1. No trees present	10%		FACU
2.			FACU
3.			
4.			
5.			
	0%	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 feet radius)			
1. No shrubs present			
2.			
3.			
4.			
5.			
	0%	= Total Cover	
Herb Stratum (Plot size: 5 feet radius)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	4%	= Total Cover	
Woody Vine Stratum (Plot size: 30 feet radius)			
1.			
2.			
3.			
4.			
		= Total Cover	

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
Total Number of Dominant Species Across All Strata: 0 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A = N/A

Hydrophytic Vegetation Indicators:
☐ Rapid Test for Hydrophytic Vegetation
☐ Dominance Test is >50%
☐ Prevalence Index is ≤3.0[1]
☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ☐ No ☑

Remarks:
The 2016 Wetland Plant List was used to determine indicator status.

US Army Corps of Engineers — Caribbean Islands Region – Interim Version

SOIL Sampling Point: PNE-EC 001

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-12	10YR 3/3	100%						

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Organic Bodies (A6)
- ☐ 5 cm Mucky Mineral (A7)
- ☐ Muck Presence (A8)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ Stratified Layers (A5)
- ☑ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: N/A

Depth (inches): N/A

Hydric Soil Present? Yes ☐ No ☑

Remarks:

No hydric soil indicators were found at this sampling point.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Fiddler Crab Burrows (C10)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Dry-Season Water Table (C2)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☑ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ☐ No ☑ Depth (inches):

Water Table Present? Yes ☐ No ☑ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☑ Depth (inches):

Wetland Hydrology Present? Yes ☐ No ☑

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

No wetland hydrology indicators were found at this sampling point.

US Army Corps of Engineers Caribbean Islands Region – Interim Version

WETLAND DETERMINATION DATA FORM – Caribbean Islands Region

Project/Site: Paseo Lineal Juan de la Torre Municipality/Town: Barceloneta Sampling Date: 11/2/2024
Applicant/Owner: Municipality of Barceloneta PR or USVI: PR Sampling Point: SP03
Investigator(s): Javier Vélez Arocho-Diatom Environmental Services, LLC Ward/Estate: Pueblo
Landform (hillslope, terrace, etc.): Terrace / footslope Local relief (concave, convex, none): none Slope (%): 0-2%
Lat: 18.455891 Long: -66.537521 Datum: State Plane, NAD 83
Soil Map Unit Name: UL/Cn NWI classification: R2HUB/PEM1A
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
Are Vegetation Yes, Soil Yes, or Hydrology Yes significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐
Are Vegetation No, Soil No, or Hydrology No naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☐	No ☑	**Is the Sampled Area within a Wetland?** Yes ☐ No ☑
Hydric Soil Present?	Yes ☐	No ☑	
Wetland Hydrology Present?	Yes ☐	No ☑	

Remarks:
Sampling point is located within a herbaceous area east of the existing channel.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30 feet radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. No trees present	10%		FACU
2.			FACU
3.			
4.			
5.			
	0%	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 feet radius)			
1. No shrubs present			
2.			
3.			
4.			
5.			
	0%	= Total Cover	
Herb Stratum (Plot size: 5 feet radius)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	4%	= Total Cover	
Woody Vine Stratum (Plot size: 30 feet radius)			
1.			
2.			
3.			
4.			
		= Total Cover	

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
Total Number of Dominant Species Across All Strata: 0 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A = N/A

Hydrophytic Vegetation Indicators:
☐ Rapid Test for Hydrophytic Vegetation
☐ Dominance Test is >50%
☐ Prevalence Index is ≤3.0[1]
☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ☐ No ☑

Remarks:
The 2016 Wetland Plant List was used to determine indicator status.

US Army Corps of Engineers Caribbean Islands Region – Interim Version

SOIL Sampling Point: PNE-EC 001

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-1"	10YR 3/2	100%					Agregga	Restrictive Layer at 1" deep

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Organic Bodies (A6)
- ☐ 5 cm Mucky Mineral (A7)
- ☐ Muck Presence (A8)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ Stratified Layers (A5)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Aggregate Consolidated

Depth (inches): 1

Hydric Soil Present? Yes ☐ No ☑

Remarks:

No hydric soil indicators were found at this sampling point.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Fiddler Crab Burrows (C10)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Dry-Season Water Table (C2)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☑ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ☐ No ☑ Depth (inches): _____

Water Table Present? Yes ☐ No ☑ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ☐ No ☑ Depth (inches): _____

Wetland Hydrology Present? Yes ☐ No ☑

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

No wetland hydrology indicators were found at this sampling point.

US Army Corps of Engineers — Caribbean Islands Region – Interim Version

WETLAND DETERMINATION DATA FORM – Caribbean Islands Region

Project/Site: Paseo Lineal Juan de la Torre | Municipality/Town: Barceloneta | Sampling Date: 11/2/2024
Applicant/Owner: Municipality of Barceloneta | PR or USVI: PR | Sampling Point: SP04
Investigator(s): Javier Vélez Arocho-Diatom Environmental Services, LLC | Ward/Estate: Pueblo
Landform (hillslope, terrace, etc.): Terrace / footslope | Local relief (concave, convex, none): none | Slope (%): 0-2%
Lat: 18.455891 | Long: -66.537521 | Datum: State Plane, NAD 83
Soil Map Unit Name: UL/Cn | NWI classification: R2HUB/PEM1A
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
Are Vegetation Yes, Soil Yes, or Hydrology Yes significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐
Are Vegetation No, Soil No, or Hydrology No naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☑ No ☐	**Is the Sampled Area within a Wetland?** Yes ☑ No ☐
Hydric Soil Present?	Yes ☑ No ☐	
Wetland Hydrology Present?	Yes ☑ No ☐	

Remarks:
Sampling point is located within a Transition Area right before the man-made pond.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30 feet radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. No trees present	10%		FACU
2.			FACU
3.			
4.			
5.			
	0% = Total Cover		
Sapling/Shrub Stratum (Plot size: 15 feet radius)			
1. No shrubs present			
2.			
3.			
4.			
5.			
	0% = Total Cover		
Herb Stratum (Plot size: 5 feet radius)			
1. Paspalum fasciculatum	2		
2. Typha domingensis	2		
3.			
4.			
5.			
6.			
7.			
8.			
	4% = Total Cover		
Woody Vine Stratum (Plot size: 30 feet radius)			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
Total Number of Dominant Species Across All Strata: 0 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A = N/A

Hydrophytic Vegetation Indicators:
☐ Rapid Test for Hydrophytic Vegetation
☐ Dominance Test is >50%
☐ Prevalence Index is ≤3.0[1]
☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ☑ No ☐

Remarks:
The 2016 Wetland Plant List was used to determine indicator status.

US Army Corps of Engineers | Caribbean Islands Region – Interim Version

SOIL

Sampling Point: PNE-EC 001

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Redox Features Type[1]	Redox Features Loc[2]	Texture	Remarks
13"	10YR 4/3	100%					Agregga	This area is outside of project site

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- [x] Histosol (A1)
- [ ] Histic Epipedon (A2)
- [ ] Black Histic (A3)
- [ ] Hydrogen Sulfide (A4)
- [x] Organic Bodies (A6)
- [ ] 5 cm Mucky Mineral (A7)
- [ ] Muck Presence (A8)
- [ ] Depleted Below Dark Surface (A11)
- [ ] Thick Dark Surface (A12)
- [ ] Sandy Gleyed Matrix (S4)
- [ ] Sandy Redox (S5)
- [ ] Stripped Matrix (S6)
- [ ] Dark Surface (S7)
- [ ] Loamy Gleyed Matrix (F2)
- [ ] Depleted Matrix (F3)
- [ ] Redox Dark Surface (F6)
- [ ] Depleted Dark Surface (F7)
- [ ] Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- [ ] Stratified Layers (A5)
- [ ] Very Shallow Dark Surface (TF12)
- [ ] Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: N/A

Depth (inches): _____

Hydric Soil Present? Yes [x] No [ ]

Remarks:

Hydric soil indicators were found at this sampling point. Outside of working area. Organic material covering the soil.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- [ ] Surface Water (A1)
- [ ] High Water Table (A2)
- [ ] Saturation (A3)
- [ ] Water Marks (B1)
- [ ] Sediment Deposits (B2)
- [ ] Drift Deposits (B3)
- [ ] Algal Mat or Crust (B4)
- [ ] Iron Deposits (B5)
- [ ] Inundation Visible on Aerial Imagery (B7)
- [ ] Water-Stained Leaves (B9)
- [ ] Aquatic Fauna (B13)
- [ ] Hydrogen Sulfide Odor (C1)
- [ ] Oxidized Rhizospheres on Living Roots (C3)
- [ ] Presence of Reduced Iron (C4)
- [ ] Recent Iron Reduction in Tilled Soils (C6)
- [ ] Thin Muck Surface (C7)
- [ ] Fiddler Crab Burrows (C10)
- [ ] Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- [ ] Surface Soil Cracks (B6)
- [ ] Sparsely Vegetated Concave Surface (B8)
- [ ] Drainage Patterns (B10)
- [ ] Dry-Season Water Table (C2)
- [ ] Saturation Visible on Aerial Imagery (C9)
- [ ] Geomorphic Position (D2)
- [ ] Shallow Aquitard (D3)
- [x] FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes [ ] No [x] Depth (inches): _____

Water Table Present? Yes [ ] No [x] Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes [x] No [ ] Depth (inches): _____

Wetland Hydrology Present? Yes [x] No [ ]

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

This sampling point was close to the existing pond. The site is east of the proposed area.

US Army Corps of Engineers — Caribbean Islands Region – Interim Version

WETLAND DETERMINATION DATA FORM – Caribbean Islands Region

Project/Site: Paseo Lineal Juan de la Torre | Municipality/Town: Barceloneta | Sampling Date: 11/2/2024

Applicant/Owner: Municipality of Barceloneta | PR or USVI: PR | Sampling Point: SP16

Investigator(s): Javier Vélez Arocho-Diatom Environmental Services, LLC | Ward/Estate: Pueblo

Landform (hillslope, terrace, etc.): Terrace / footslope | Local relief (concave, convex, none): none | Slope (%): 0-2%

Lat: 18.456979 | Long: -66.537252 | Datum: State Plane, NAD 83

Soil Map Unit Name: UL/Cn | NWI classification: R2HUB/PEM1A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation Yes, Soil Yes, or Hydrology Yes significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐

Are Vegetation No, Soil No, or Hydrology No naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☑ No ☑	**Is the Sampled Area within a Wetland?** Yes ☐ No ☑
Hydric Soil Present?	Yes ☑ No ☑	
Wetland Hydrology Present?	Yes ☑ No ☑	

Remarks:

Sampling point is located within the proposed site and the existing channel.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30 feet radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. No trees present	10%		FACU
2.			FACU
3.			
4.			
5.			
	0%	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 feet radius)			
1. No shrubs present			
2.			
3.			
4.			
5.			
	0%	= Total Cover	
Herb Stratum (Plot size: 5 feet radius)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	0%	= Total Cover	
Woody Vine Stratum (Plot size: 30 feet radius)			
1.			
2.			
3.			
4.			
	0%	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 0 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A = N/A

Hydrophytic Vegetation Indicators:

- ☐ Rapid Test for Hydrophytic Vegetation
- ☐ Dominance Test is >50%
- ☐ Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ☐ No ☑

Remarks:

The 2016 Wetland Plant List was used to determine indicator status.

US Army Corps of Engineers — Caribbean Islands Region – Interim Version

SOIL

Sampling Point: PNE-EC 001

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
1		0					Agregga	This area is within the proposed site

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Organic Bodies (A6)
- ☐ 5 cm Mucky Mineral (A7)
- ☐ Muck Presence (A8)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ Stratified Layers (A5)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Rock, and aggregates

Depth (inches): 2

Hydric Soil Present? Yes ☐ No ☑

Remarks:

Hydric soil indicators were not found at this sampling point.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Fiddler Crab Burrows (C10)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Dry-Season Water Table (C2)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☑ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ☐ No ☑ Depth (inches): _____

Water Table Present? Yes ☐ No ☑ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ☐ No ☑ Depth (inches): _____

Wetland Hydrology Present? Yes ☐ No ☑

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The sampling point was right next to the proposed site. This area is made of rock revetment.

US Army Corps of Engineers — Caribbean Islands Region – Interim Version

Attachment 3: National Wetland Inventory (NWI) maps for the approximate locations of the North and South platforms

U.S. Fish and Wildlife Service
National Wetlands Inventory

PR-CRP-000541 Barceloneta

June 27, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

U.S. Fish and Wildlife Service
National Wetlands Inventory

PR-CRP-000541 Barceloneta

June 28, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Attachment 4: Photos of the areas adjacent to platforms and along the linear walkway.

PR-CRP-000541 Barceloneta – Photos of site conditions

Photos obtained during Wetland inspection in the areas adjacent to the linear park (taken on 11/2/2024).

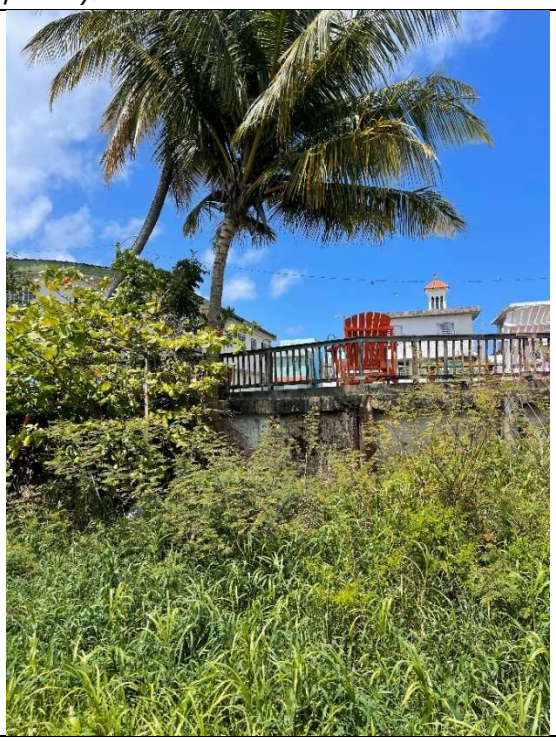


Photo facing West near the area where sampling point 01 and 03 were located.	View of existing walkway, facing West, near to location of proposed North Platform.
View of existing walkway at an elevated area from the ground, facing SouthWest.	Photo showing upland areas in the northern part of the linear park. The photo was taken facing south; exiting areas of the walkway are to the right of the photo.

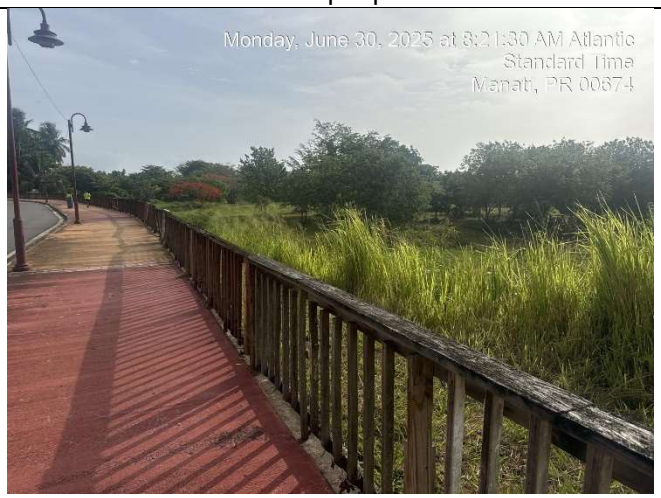
Photos where the proposed North Platform will be located (taken 6/30/2025).

The area where the North Platform will be located, facing North, and showing the vegetation to the East (on the right of the photo).

Area where the North Platform will be located, facing South, and showing the vegetation to the East (on the left of the photo).

View from the location where the North Platform will be located, facing East, showing a man-made stormwater channel and the retention pond further to the East. The new platform will extend some 20 feet from the existing sidewalk but will not impact or alter the storm water channel or the pond.

Photos where the proposed South Platform will be located (taken 6/30/2025).



Area where the South Platform will be located, facing North, and showing the vegetation to the East (on the right of the photo)

Area where the South Platform will be located, facing South, and showing the vegetation to the East (on the left of the photo)

View from the location where the South Platform will be located, facing East, showing overgrown grass and man-made storm water channel beyond. The proposed platform will extend some 20 feet from the existing sidewalk but will not impact or alter the storm water channel (pond is not visible from this area).

Attachment 5: Soil Maps

Map Scale: 1:5,830 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 50 100 200 300

Feet
0 250 500 1000 1500

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 19N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Arecibo Area, Puerto Rico Northern Part
Survey Area Data: Version 20, Sep 10, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 23, 2022—Mar 1, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Cn	Coloso silty clay, 0 to 2 percent slopes, occasionally flooded	22.6	14.3%
To	Toa silty clay loam, 0 to 2 percent slopes, occasionally flooded	97.4	61.6%
Ul	Urban land	26.5	16.8%
W	Water	11.5	7.3%
Totals for Area of Interest		**158.0**	**100.0%**

Soil Map—Arecibo Area, Puerto Rico Northern Part
(PR-CRP-000541 Soil Map)

Map Scale: 1:5,260 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 50 100 200 300

Feet
0 250 500 1000 1500

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 19N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Arecibo Area, Puerto Rico Northern Part
Survey Area Data: Version 20, Sep 10, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

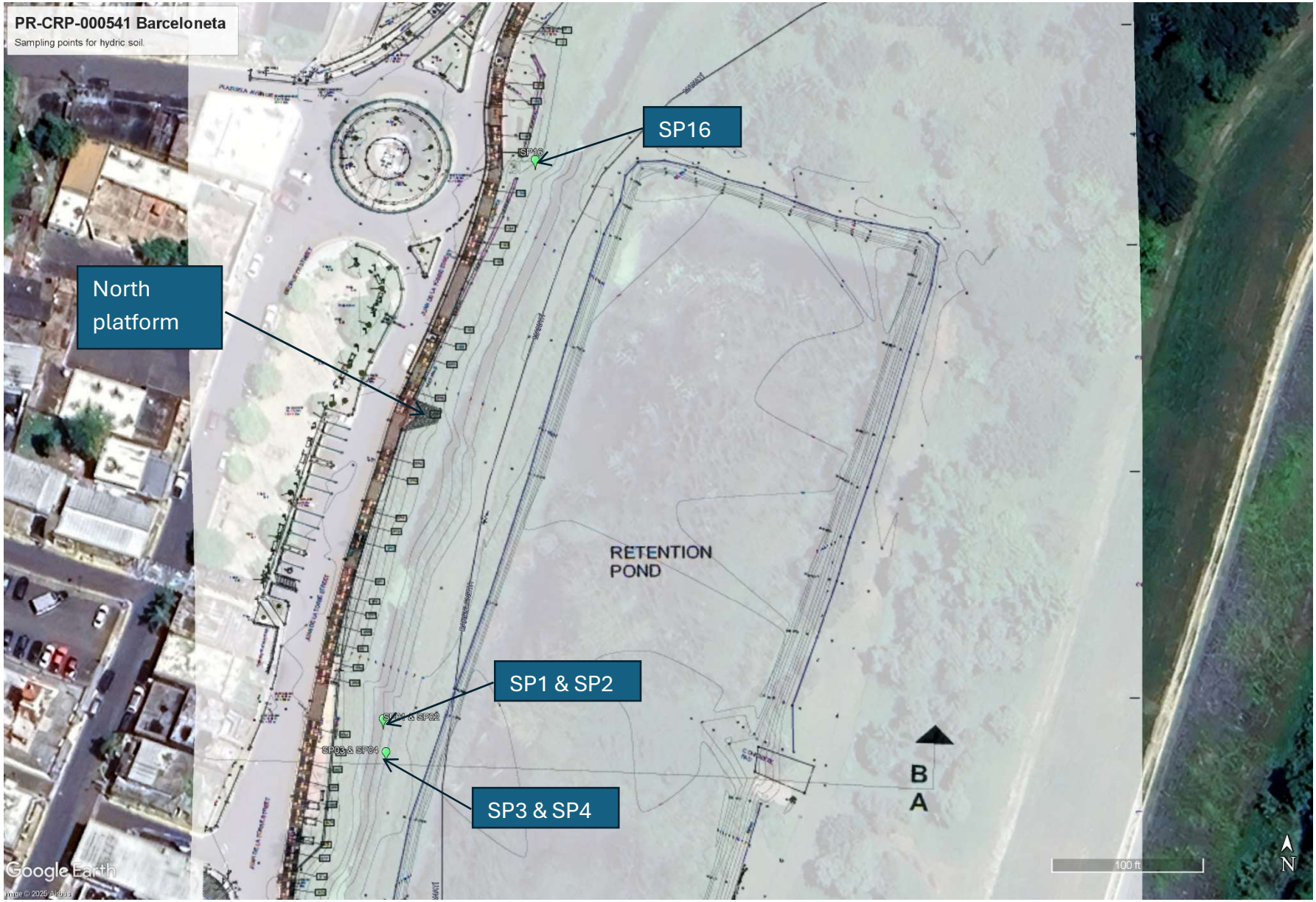
Date(s) aerial images were photographed: Jan 23, 2022—Mar 1, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Cn	Coloso silty clay, 0 to 2 percent slopes, occasionally flooded	2.7	2.1%
To	Toa silty clay loam, 0 to 2 percent slopes, occasionally flooded	53.6	41.1%
Ul	Urban land	65.4	50.2%
W	Water	8.6	6.6%
Totals for Area of Interest		**130.4**	**100.0%**

Attachment 6: Map Aerial images show of Sampling Points locations


PR-CRP-000541 Barceloneta
Sampling points for hydric soil.
SP16
North platform
RETENTION POND
SP1 & SP2
SP3 & SP4
B
A
100 ft
N
Google Earth

Appendix E:
Site Photos

Site Photos

PR-CRP-000541

Juan de la Torre Street, Barcelona, PR 00617

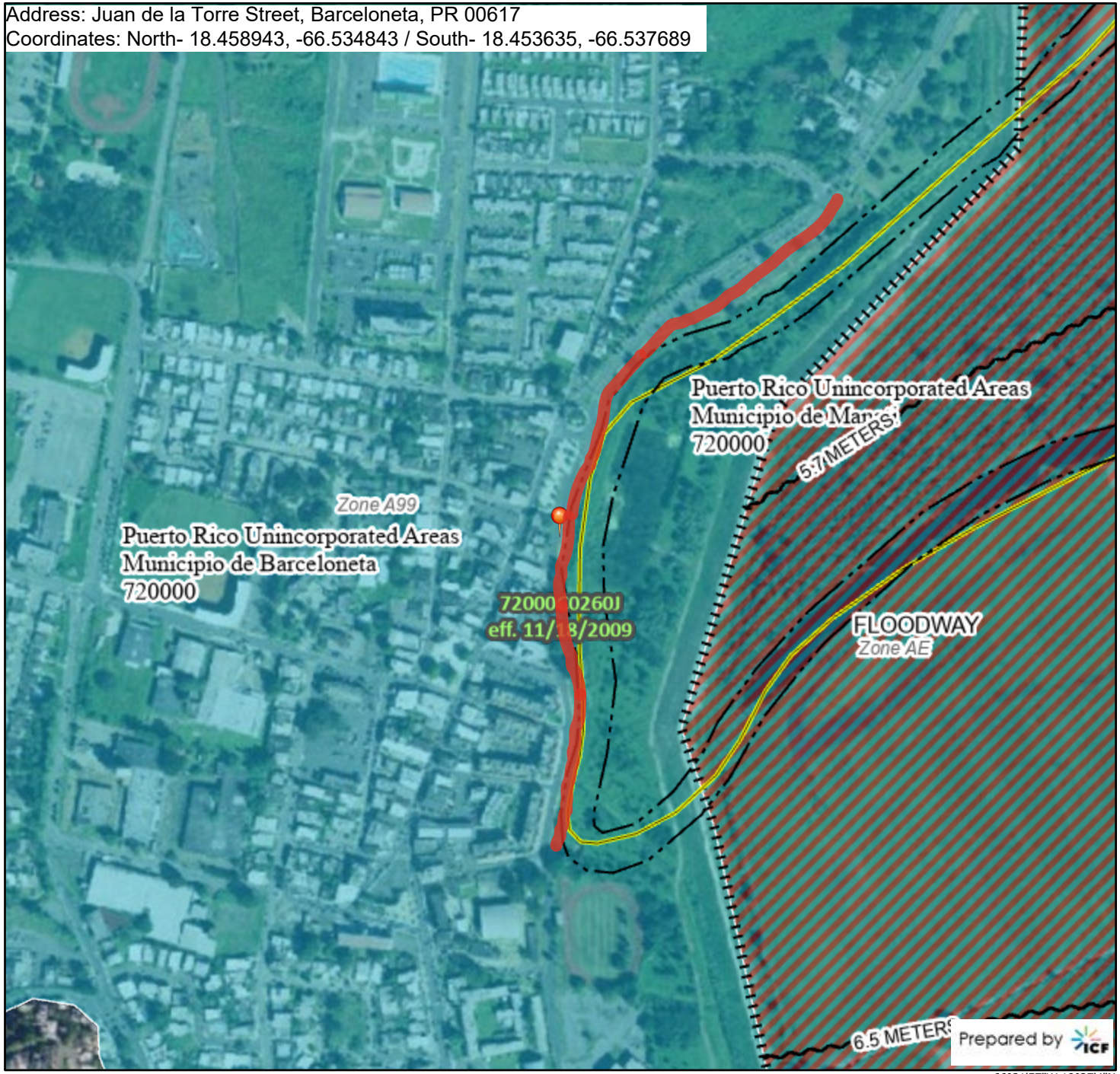
Appendix F:
FEMA FIRMette

National Flood Hazard Layer FIRMette

FEMA

66°32'34"W 18°27'39"N

Address: Juan de la Torre Street, Barceloneta, PR 00617
Coordinates: North- 18.458943, -66.534843 / South- 18.453635, -66.537689



0 250 500 1,000 1,500 2,000 Feet

1:6,000

66°31'57"W 18°27'4"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

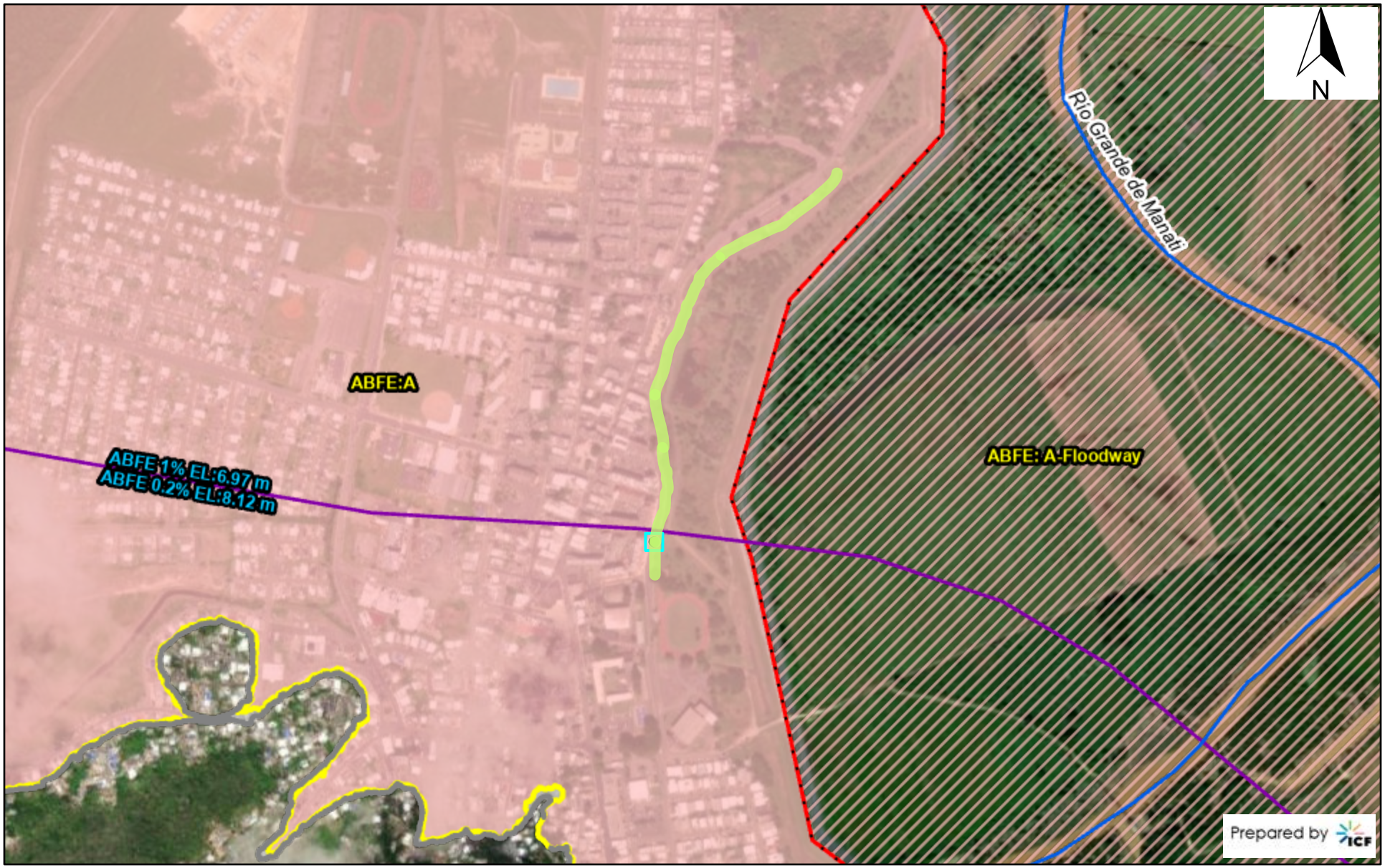
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/6/2025 at 7:18 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Appendix G:
Advisory Base Flood Elevation (ABFE) Map

PR-CRP-000541 ABFE Map

Address: Juan de la Torre Street, Barceloneta, PR 00617
Coordinates: North- 18.458943, -66.534843 / South- 18.453635, -66.537689



5/6/2025, 3:25:46 PM

1:9,028

0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

FEMA, Maxar

Flood Hazard Area (zoom in to make visible)

- A
- 0.2% Annual Chance Flood Zone
- A-Floodway

Zone/BFE Boundary

Flood Hazard Extent

- 1% Annual Chance Flood
- 0.2% Annual Chance Flood

Advisory Base Flood Elevation (zoom in to make visible)

Streamline (zoom in to make visible)

Appendix H:
IPaC Official Species List and DKey

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Caribbean Ecological Services Field Office
Post Office Box 491
Boqueron, PR 00622-0491
Phone: (939) 320-3135 Fax: (787) 851-7440
Email Address: CARIBBEAN_ES@FWS.GOV

In Reply Refer To: 05/13/2025 15:52:37 UTC
Project Code: 2025-0095905
Project Name: PR-CRP-000541: Paseo Juan de la Torre

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

THE FOLLOWING SPECIES LIST IS NOT A SECTION 7 CONSULTATION. PLEASE CONTACT OUR OFFICE TO COMPLETE THE CONSULTATION PROCESS

The purpose of the Endangered Species Act (Act) is to provide a means whereby threatened, and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect those species and/or their designated critical habitat.

Federal agencies are required to "request of the Secretary of Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action". The enclosed species list provides information to assist with the U.S. Fish and Wildlife Service (Service) consultation process under section 7 of the Act. However, **the enclosed species list does not complete the required consultation process.** The species list identifies threatened, endangered, proposed and candidate species, as well as proposed and designated critical habitats, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. A discussion between the Federal agency and the Service should include what types of listed species may occur in the proposed action area and what effect the proposed action may have on those species. This process initiates informal consultation.

Once a species list is obtained for the proposed project, an effect determination for endangered and threatened species should be made. The applicant could make an effect determination by using available keys on IPaC for specific species. For species with no determination keys, the applicant should request concurrence from the Service by sending a project package

to caribbean_es@fws.gov. To obtain guidance for completing this process and the minimum requirements for project packages, please visit:

https://www.fws.gov/sites/default/files/documents/consultation-under-section-7-of-the-endangered-species-act-with-the-caribbean-ecological%20Services-field-office-template-letter.pdf

When a federal agency, after discussions with the Service, determines that the proposed action is not likely to adversely affect any listed species, or adversely modify any designated critical habitat, and the Service concurs, the informal consultation is complete, and the proposed project moves ahead. If the proposed action is suspected to affect a listed species or modify designated critical habitat, the Federal agency may then prepare a Biological Assessment (B.A.) to assist in its determination of the project's effects on species and their habitat. However, a B.A. is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a B.A. where the agency provides the Service with an evaluation on the likely effects of the action to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a B.A. are described at 50 CFR 402.12.

If a federal agency determines, based on its B.A. or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to further consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species, and proposed critical habitat be addressed within the consultation process. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species.

This list is provided pursuant to Section 7 of the Endangered Species Act and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action". Please use this list to determine whether your project requires consultation and to make your effects determination. For more guidance, use the Guideline for Consultation under Section 7 of the Endangered Species Act with the Caribbean Ecological Services Field Office by clicking here.

This species list is provided by:

Caribbean Ecological Services Field Office
caribbean_es@fws.gov
Post Office Box 491
Boqueron, PR 00622-0491
(786) 244-0081

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Bald & Golden Eagles
- Migratory Birds
- Wetlands

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Caribbean Ecological Services Field Office
Post Office Box 491
Boqueron, PR 00622-0491
(939) 320-3135

PROJECT SUMMARY

Project Code: 2025-0095905
Project Name: PR-CRP-000541: Paseo Juan de la Torre
Project Type: Recreation - Maintenance / Modification
Project Description: The project consists of improvements to the existing paseo. The proposed project is located at Juan de la Torre Street in Barceloneta, PR 00617 and aims to address safety concerns as well as greatly improve the area visually. The proposed project activities include the construction of one new platform and installation of granite curbing, a new decorative balustrade with incorporated LED lighting, new lamp posts, sculptural benches, interpretative elements, and a commemorative sculpture of the mural that was installed in the demolished pineapple juice Lotus Factory. The project will cover approximately 2,495.20 square meters (0.617 acres) in total. The northern limit of the project area is located at approximately (18.458943, -66.534843) and the southern limit is located at (18.453635, -66.537689).

Project Location:

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@18.45607375,-66.53761382451782,14z

Counties: Barceloneta and Manatí counties, Puerto Rico

ENDANGERED SPECIES ACT SPECIES

There is a total of 1 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

---

1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

REPTILES

NAME	STATUS
Puerto Rican Boa *Chilabothrus inornatus*	Endangered

No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/6628
General project design guidelines:
https://ipac.ecosphere.fws.gov/project/ZZD724J5GBHZTK7TDRE364EN6I/documents/generated/7159.pdf

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

BALD & GOLDEN EAGLES

Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act [2] and the Migratory Bird Treaty Act (MBTA) [1]. Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their habitats, should follow appropriate regulations and consider implementing appropriate avoidance and minimization measures, as described in the various links on this page.

---

1. The Bald and Golden Eagle Protection Act of 1940.
2. The Migratory Birds Treaty Act of 1918.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

BALD & GOLDEN EAGLES INFORMATION WAS NOT AVAILABLE WHEN THIS SPECIES LIST WAS GENERATED. PLEASE CONTACT THE FIELD OFFICE FOR FURTHER INFORMATION.

MIGRATORY BIRDS

The Migratory Bird Treaty Act (MBTA) [1] prohibits the take (including killing, capturing, selling, trading, and transport) of protected migratory bird species without prior authorization by the Department of Interior U.S. Fish and Wildlife Service (Service). The incidental take of migratory birds is the injury or death of birds that results from, but is not the purpose, of an activity. The Service interprets the MBTA to prohibit incidental take.

---

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

MIGRATORY BIRD INFORMATION WAS NOT AVAILABLE WHEN THIS SPECIES LIST WAS GENERATED. PLEASE CONTACT THE FIELD OFFICE FOR FURTHER INFORMATION.

WETLANDS

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

FRESHWATER EMERGENT WETLAND

- PEM1A

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Tanner Melendez
Address: 630 3rd Ave
City: New York
State: NY
Zip: 10017
Email tanner.melendez@icf.com
Phone: 9739511787

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Caribbean Ecological Services Field Office
Post Office Box 491
Boqueron, PR 00622-0491
Phone: (939) 320-3135 Fax: (787) 851-7440
Email Address: CARIBBEAN_ES@FWS.GOV

In Reply Refer To: 05/13/2025 15:56:23 UTC
Project code: 2025-0095905
Project Name: PR-CRP-000541: Paseo Juan de la Torre

Subject: Technical Assistance letter for the project named 'PR-CRP-000541: Paseo Juan de la Torre' for specified threatened and endangered species, that may occur in your proposed project location, pursuant to the IPaC determination key titled Caribbean Determination Key (DKey).

Dear Applicant:

Thank you for using the assisted evaluation keys in IPaC. This letter is provided pursuant to the Service's authority under the Endangered Species Act of 1973, as amended (ESA) (87 Stat. 884; 16 U.S.C. 1531et seq.). On May 13, 2025, Tanner Melendez used the Caribbean DKey; dated January 03, 2025, in the U.S. Fish and Wildlife Service's online IPaC application to evaluate potential impacts to federally listed species, from a project named 'PR-CRP-000541: Paseo Juan de la Torre'. The project is located in Barceloneta and Manatí counties, Puerto Rico (shown below).

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@18.45607375,-66.53761382451782,14z

The following description was provided for the project 'PR-CRP-000541: Paseo Juan de la Torre':

> The project consists of improvements to the existing paseo. The proposed project is located at Juan de la Torre Street in Barceloneta, PR 00617 and aims to address safety concerns as well as greatly improve the area visually. The proposed project activities include the construction of one new platform and installation of granite curbing, a new decorative balustrade with incorporated LED lighting, new lamp posts, sculptural benches, interpretative elements, and a commemorative sculpture of the mural that was installed in the demolished pineapple juice Lotus Factory. The project will cover approximately 2,495.20 square meters (0.617 acres) in total. The northern limit of the project area is located at approximately (18.458943, -66.534843) and the southern limit is located at (18.453635, -66.537689).

Based on your answers and the assistance of the Service's Caribbean DKey, you determined the proposed Action will have "No Effect" on the following species:

Species	Listing Status	Determination
Puerto Rican Boa (*Chilabothrus inornatus*)	Endangered	No effect

Thank you for informing the Service of your "No Effect" determination(s) for this project. No further consultation/coordination for this project is required for these species. However, be aware that reinitiation of consultation may be necessary if later modifications are made to the project so that it no longer meets the criteria or outcome described above, or if new information reveals effects of the action that could affect listed species or critical habitat in a manner or to an extent not previously considered, or if a new species is listed.

This letter serves as documentation of your consideration of the federally listed species as required under section 7 of the ESA. However, effects to the other federally listed species or critical habitat as listed below from the "IPaC print-out for the project" (see below) should be considered as part of your ESA review for the project.

The Service will notify you within 30 calendar days if we determine that this proposed Action does not meet the criteria for a "No Effect" (NE) determination for Federally listed species in the Caribbean. If we do not notify you within that timeframe, you may proceed with the Action under the terms of the NE concurrence provided here. This verification period allows the Caribbean Ecological Services Field Office to apply local knowledge to evaluate the Action, as we may identify a small subset of actions having unanticipated impacts. In such instances, the Caribbean Ecological Services Field Office may request additional information to verify the effects determination reached through the DKey.

Note: Projects located within the range of the Puerto Rican boa or the Virgin Islands tree boa might encounter these species during project activities. **This letter does not provide take to handle or move these species**. If relocation of the species is needed, please contact either the Puerto Rico Department of Natural Resources (DNER) at 787-724-5700, 787-230-5550, or 787-771-1124 for projects in Puerto Rico, or the Virgin Islands Department of Planning and Natural Resources, Division of Fish and Wildlife (DFW) at 340-775-6762 for projects in the

Virgin Islands. Otherwise, contact the Caribbean Ecological Services Field Office (caribbean_es@fws.gov) to determine whether the consultation needs to be reinitiated.

If the proposed project is located within species range where a DKey has not been developed for those species, please follow the established guidance for initiating section 7 consultation Caribbean Ecological Services Field Office.

We appreciate your interest in protecting endangered species and their habitats. It is the Service's mission to work with others to conserve, protect, and enhance fish, wildlife, and plants and their habitats for the continuing benefit of our people. If you have any questions or require additional information, please contact our office at Caribbean_es@fws.gov.

Action Description
You provided to IPaC the following name and description for the subject Action.

1. Name

PR-CRP-000541: Paseo Juan de la Torre

2. Description

The following description was provided for the project 'PR-CRP-000541: Paseo Juan de la Torre':

> The project consists of improvements to the existing paseo. The proposed project is located at Juan de la Torre Street in Barceloneta, PR 00617 and aims to address safety concerns as well as greatly improve the area visually. The proposed project activities include the construction of one new platform and installation of granite curbing, a new decorative balustrade with incorporated LED lighting, new lamp posts, sculptural benches, interpretative elements, and a commemorative sculpture of the mural that was installed in the demolished pineapple juice Lotus Factory. The project will cover approximately 2,495.20 square meters (0.617 acres) in total. The northern limit of the project area is located at approximately (18.458943, -66.534843) and the southern limit is located at (18.453635, -66.537689).

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@18.45607375,-66.53761382451782,14z

QUALIFICATION INTERVIEW

1. Is the proposed project an EPA Multi-Sector General Permit (MSGP) renewal for an existing project? (MSGP Fact Sheet)

   No

2. Is the proposed project within an urban developed area? (i.e., cities, downtowns, shopping malls etc.)

   Note: Urban and developed areas has one or more of the following characteristics: Presence of existing buildings, residential areas, and commercial establishments. Well-established infrastructure including roads, utilities, and urban facilities. High population density. Established neighborhoods and urban amenities ("urbanizaciones"). Developed landscape with paved surfaces, parking lots, and industrial areas. Signs of human activity and urbanization, such as shopping centers and recreational facilities. Location within the boundaries of a city or town ("casco urbano"). High concentration of built-up structures and limited open spaces. Aerial imagery might be requested to the applicant. .

   Yes

3. [Hidden Semantic] Does the proposed project intersect the Puerto Rican boa area of influence?

   Automatically answered
   Yes

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Tanner Melendez
Address: 630 3rd Ave
City: New York
State: NY
Zip: 10017
Email tanner.melendez@icf.com
Phone: 9739511787

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Puerto Rico Department of Housing

Appendix I:
Critical Habitat Map

PR-CRP-000541 Critical Habitat Map

Address: Juan de la Torre Street, Barceloneta, PR 00617

Coordinates: North- 18.458943, -66.534843 / South- 18.453635, -66.537689

May 7, 2025

1:9,028

0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar

Appendix J:
Puerto Rican Boa
Conservation Measures

U.S. FISH AND WILDLIFE SERVICE
CARIBBEAN ECOLOGICAL SERVICES FIELD OFFICE

Conservation Measures for the Puerto Rican boa (*Chilabothrus inornatus*)

Section 7 (a)(1) of the Endangered Species Act (ESA) charges Federal agencies to aid in the conservation of listed species, and section 7 (a)(2) requires the agencies, through consultation with the U.S. Fish and Wildlife Service (Service), to ensure their activities are not likely to jeopardize the continued existence of listed species or adversely modify designated critical habitats. Section 7 applies to the management of Federal lands as well as Federal actions that may affect federally listed species, such as Federal approval of private activities through the issuance of Federal funding, permits, licenses, or other actions. Any person that injures, captures, or kills a Puerto Rico boa is subject to penalties under the ESA. If Federal funds or permits are needed, the funding or permitting agency should initiate Section 7 consultation with the Service. To initiate a consultation under the Section 7 of the ESA, you must submit a project package with the established minimum requirements. These conservation measures should be incorporated into the project plans to minimize possible impacts to the species.

The endangered Puerto Rican (PR) boa (*Chilabothrus inornatus*, formerly *Epicrates inornatus*) is the largest endemic snake species that inhabits Puerto Rico. The PR boa is non-venomous and does not pose any life threatening danger to humans, but some individuals may try to bite if disturbed or during capture or handling. Its body color ranges from tan to dark brown with irregular diffuse marking on the dorsum, but some individuals lack marking and are uniformly dark. Juveniles may have a reddish color with more pronounced markings. In general, as they mature, their body color tends to darken.

Adult PR boa – *Chilabothrus inornatus*
Photo: Puerto Rico by JP Zegarra

Last Revised: January 2024

The PR boa was federally listed in 1970. Currently, the species has an island-wide distribution and occurs in a wide variety of habitat types, ranging from wet montane to subtropical dry forest and can be found from mature forest to areas with different degrees of human disturbance such as roadsides or houses, especially if near their habitat in rural areas. The PR boa is considered mostly nocturnal, remaining less active, concealed or basking under the sun during the day.

The Service has developed the following conservation measures with the purpose of assisting others to avoid or minimize adverse effects to the PR boa and its habitat. These recommendations may be incorporated into new project plans and under certain circumstances into existing projects. Depending on the project, additional conservation measures can be implemented besides the ones presented in this document.

Conservation Measures:

1. Inform all project personnel about the potential presence of the PR boa in areas where the proposed work will be conducted. A pre-construction meeting should be conducted to inform all project personnel about the need to avoid harming the species as well as penalties for harassing or harming PR boas. An educational poster or sign with photo or illustration of the species should be displayed at the project site.

2. Prior to any construction activity, including removal of vegetation and earth movements, the boundaries of the project and areas to be excluded and protected should be clearly marked in the project plan and in the field in order to avoid further habitat degradation into forested and conservation areas.

3. Once areas are clearly marked, and prior to the use of heavy machinery and any construction activity (including removal of vegetation and earth movement), a biologist or project personnel with experience on this species should survey the areas to be cleared to verify the presence of any PR boa within the work area.

4. If a PR boa is found within any of the working or construction areas, activities should stop at that area and information recorded (see #5). **Do not capture the boa.** If boas need to be moved out of harm's way, designated personnel shall immediately contact the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Rangers for safe capture and relocation of the animal (PRDNER phone #s: (787) 724-5700, (787) 230-5550, (787) 771-1124). **If immediate relocation is not an option, project-related activities at that area must stop until the boa moves out of harm's way on its own**. Activities at other work sites, where no boas have been found after surveying the area, may continue.

5. For all boa sightings (dead or alive), record the time and date of the sighting and the specific location where it was found. PR boa data should also include a photo of the animal (dead or alive), site GPS coordinates, the time and date, and comments on how the animal was detected and its behavior.

6. If a PR boa is captured by PRDNER personnel, record the name of that person and information on where the PR boa will be taken. This information should be reported to the Service.

7. Measures should be taken to avoid and minimize PR boa casualties by heavy machinery or motor vehicles being used on site. Any heavy machinery left on site (staging) or near potential PR boa habitat (within 50 meters of potential boa habitat), needs to be thoroughly inspected each morning before work starts to ensure that no boas have sheltered within engine compartments or other areas of the equipment. If PR boas are found within vehicles or equipment, do not capture the animal, and let it move on its own or call PRDNER Rangers for safe capture and relocation of the animal (see #4). If not possible, the animal should be left alone until it leaves the vehicle on its own.

8. PR boas may seek shelter in debris piles. Measures should be taken to avoid and minimize boa casualties associated with sheltering in debris piles as a result of project activities. Debris piles should be placed far away from forested areas. Prior to moving, disposing or shredding, debris piles should be carefully inspected for the presence of boas. If debris piles will be left on site, we recommend they be placed in areas that will not be disturbed in the future.

9. If a dead PR boa is found, immediately cease all work in that area and record the information accordingly (see #5). If the PR boa was accidentally killed as part of the project actions, please include information on what conservation measures had been implemented and what actions will be taken to avoid further killings. A dead boa report should be sent by email (see contacts below) to the Service within 48 hours of the event.

10. Projects must comply with all state laws and regulations. Please contact the PRDNER for further guidance.

If you have any questions regarding the above conservation measures, please contact the Service:

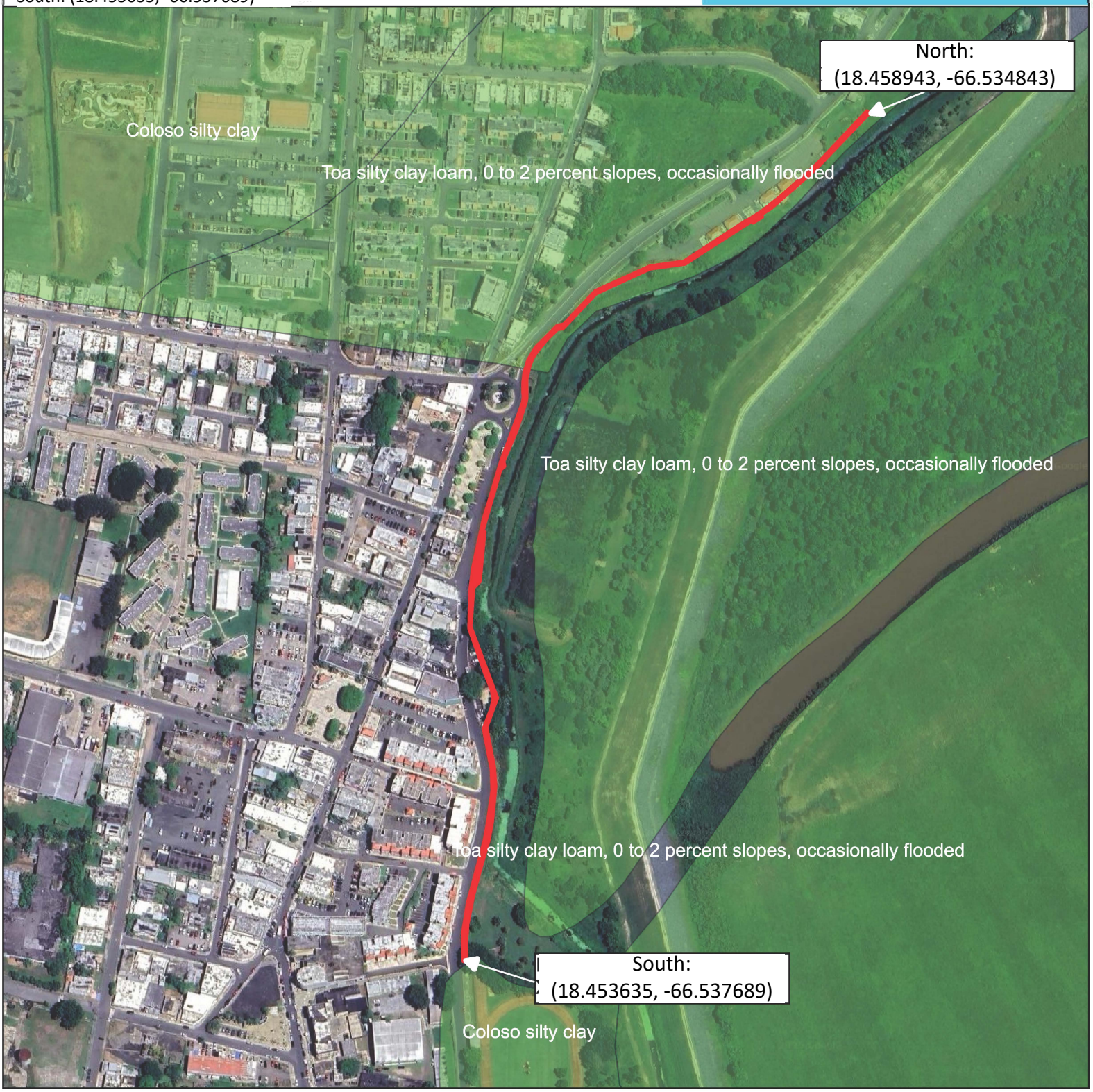
- José Cruz-Burgos, Endangered Species Program Coordinator
  - Email: jose_cruz-burgos@fws.gov
  - Office phone (305) 304-1386
- Jan Zegarra, Fish and Wildlife Biologist
  - Email: jan_zegarra@fws.gov
  - Office phone (786) 933-1451

Attachment K:
Farmlands Protection

Farmland Protection Map
PR-CRP-000541 - Paseo Juan de la Torre
Municipality of Barceloneta, Puerto Rico

Coordinates:
North: (18.458943, -66.534843);
South: (18.453635, -66.537689)

EHSConsulting Services
PO Box 1384, Boquerón, PR 00622
(787) 567-1302



Legend:

- Paseo Juan de la Torre
- Prime Farmlands Classifications (USDA NRCA WSS 2018)

Scale: 1:4,000

50 0 50 m

200 0 200 ft

Spatial Reference:
NAD 83 State Plane Puerto Rico & Virgin Is.
EPSG 32161

References:
USDA Natural Resources Conservation Service (NRCS) Web Soil Survey (WSS)
Farmland Classification—Arecibo Area, Puerto Rico Northern Part
Google Satellite Tile

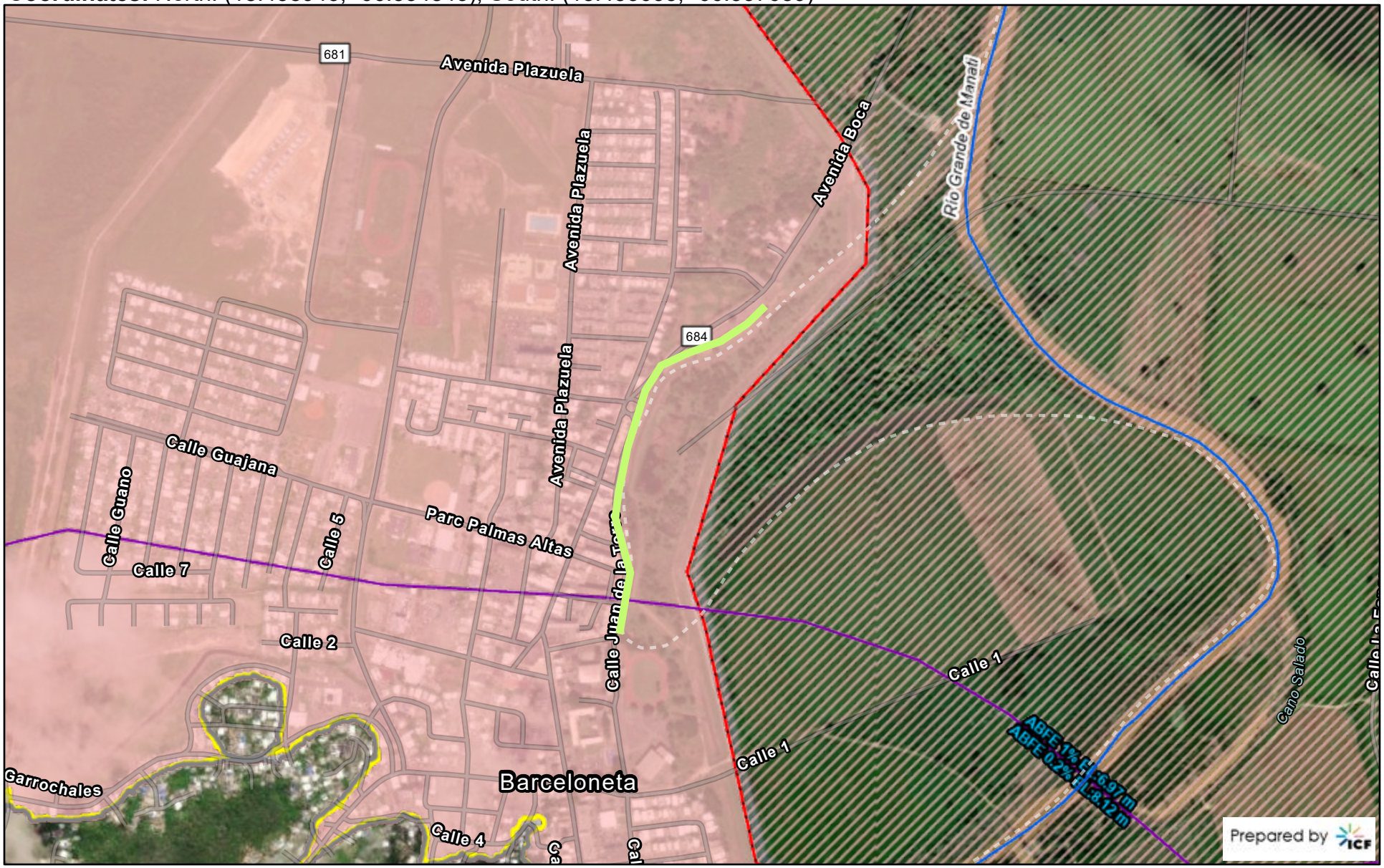
Sources:
USDA Natural Resources Conservation Service (NRCS) Web Soil Survey (WSS)
Farmland Classification—Arecibo Area, Puerto Rico Northern Part
https://websoilsurvey.sc.egov.usda.gov/WssProduct/mf44bqum4wcexlova5mbsr44/mf44bqum4wcexlova5mbsr44/20250822_14123402140_22_Farmland_Classification.pdf
Google Satellite Tile
http://www.google.cn/maps/vt?lyrs=s@189&gl=cn&x={x}&y={y}&z={z}

Attachment L:
Floodplain Management

PR-CRP-000541 Advisory Base Flood Elevation (ABFE) Map

Address: Paseo Juan de La Torre, Barceloneta, PR 00617

Coordinates: North: (18.458943, -66.534843); South: (18.453635, -66.537689)



9/26/2025, 9:52:44 AM

1:10,632

0 0.07 0.15 0.3 mi

0 0.13 0.25 0.5 km

- Advisory Base Flood Elevation (zoom in to make visible)
- Limit of Moderate Wave Action (LiMWA)

Flood Hazard Extent

- 1% Annual Chance Flood
- 0.2% Annual Chance Flood
- Zone/BFE Boundary

Flood Hazard Area (zoom in to make visible)

- A
- AO
- AE
- Coastal A Zone
- VE
- 0.2% Annual Chance Flood Zone
- A-Floodway
- AE-Floodway
- Coastal A Zone and Floodway
- World Imagery
- Low Resolution 15m Imagery
- High Resolution 60cm Imagery
- High Resolution 30cm Imagery
- Citations
- 2.4m Resolution Metadata

FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

5-STEP DECISION-MAKING PROCESS

Project number:	PR-CRP-000541
Project name:	Paseo Juan de la Torre
Municipality:	Barceloneta, PR
Date:	June 30, 2025
Decision-Making Process for E.O. 11988 as Provided by 24 CFR §55.20	

Introduction:

The Puerto Rico Department of Housing, as the responsible entity (RE) for CDBG-DR funds from the Housing and Urban Development (HUD), is working on the restoration, reconstruction, and the implementation of future vision of their communities that were adversely affected by Hurricane Irma and Maria. As part of the City Revitalization Program, the rehabilitation of the Paseo Juan de la Torre in the municipality of Barceloneta, PR is proposed. This project aims to restore the infrastructure that suffered the impact of hurricanes Irma and María in 2017 and make these facilities safer and more visually appealing. As part of the federally funded project, these proposed actions are required to comply with all environmental and historic preservation laws. In this case, we will be evaluating the project in accordance with Executive Order 11988, which is directed to Floodplain Management through the U.S. Department of Housing and Urban Development (HUD). The application of Executive Order 11988 will consist of assessing the extent of the floodplain using the information available from flood maps.

This report collects the information for the Decision-Making Process to analyze the potential risks and impacts due to the proposed project's location within the floodplain, per HUD's rule under 24 CFR Part 55, effective 4/23/2024. Certain clauses under the updated rule apply to this project and allow for a modified 5-step decision making process. The intention of this evaluation is to follow HUD's rule and streamline the floodplain management process and ensure adequate use of public funds.

Project Description:

The proposed project consists of renovations to the existing Paseo in the municipality of Barceloneta, which originally completed construction in 2009. The location of the proposed project can be found in **Attachment 1** and site photos can be found in **Attachment 2**. The Paseo is formed by a sidewalk-like surface that is higher than the adjacent road (Juan de la Torre Street). At present, some sections are paved with colored cement and wood details. A continuous curb separates the Paseo from Juan de la Torre Street to the west. Over the years, the paseo has fallen into disrepair. Along the east edge of the Paseo is a wood balustrade which protects users from falling into the lower, green open area. This element is deteriorated and has several missing sections.

There are few lampposts present, and urban furniture is lacking. A dike was constructed east of the Paseo by the US Army Corps of Engineers in 2004 to control flooding from the Manatí River.

The proposed project will address safety concerns as well as greatly improve the area visually. The preliminary designs maintain the present alignment of the paved surface and include two platforms (one existing and one new) projecting towards the east from the existing walkway. General site plans can be found in **Attachment 3**. The current park area is 2,432.20 square meters (0.601 acres). The proposed project will add two (2) new observation platforms, which will have a combined area of 63.00 square meters (0.016 acres). Therefore, the final project area will be approximately 2,495.20 square meters (0.617 acres) after construction. The northern limit of the project area is located at approximately (18.458943, -66.534843), and the southern limit is located at (18.453635, -66.537689). Granite curbing will be installed along the paseo for resiliency. Along the eastern side of the paseo, a new decorative balustrade with incorporated LED lighting will be installed as well as new lamp posts. Additional elements will be installed such as sculptural benches, interpretative elements, and a commemorative sculpture of the mural that was installed in the old, demolished pineapple juice Lotus Factory.

Modified 5-Step Decision Making Process Applicability:

Categories of proposed actions for which the modified 5-step decision making process applies are described in 24 CFR 55.14. Based on the scope of work described above, this project meets the requirements under 24 CFR 55.14(e):

> *HUD's or the recipient's actions under any HUD program involving the repair, rehabilitation, or replacement of existing nonstructural improvements including streets, curbs, and gutters, where any increase of the total impervious surface area of the facility is de minimis. This provision does not include critical actions, levee systems, chemical storage facilities (including any tanks), wastewater facilities, or sewer lagoons.*

The proposed improvements to the Paseo will maintain the present alignment of the paved surface. While there will be two new platforms constructed as part of the proposed project, which will be elevated above the ground using a support column and therefore, will add minimal impervious surface. According to the updated 24 CFR Part 55 and based on the proposed project scope of work, the responsible entity has determined that a 5-step decision making process is the appropriate approach for evaluation under 24 CFR Part 55.

Step 1: Determine whether the action is located in the floodplain or wetland

This project proposes improvements to the Paseo adjacent to Juan de la Torre Street in the municipality of Barceloneta. The extent of the floodplain was evaluated using FEMA's Flood Insurance Rate Map (FIRM) (FIRM Panel 72000C0260J, effective 11/18/2009) (see **Attachment 4**) where the proposed project is located entirely within the 100-year floodplain (Zone A99). FEMA defines Zone A99 as "areas with a 1% annual chance of flooding that will be protected by a federal flood control system where construction has reached specified legal requirements." Neither depths nor base flood elevations are provided within these zones. There are no developed Preliminary FIRM (PFIRM) for the project area.

According to the Advisory Base Flood Elevation (ABFE) map, the project is located entirely within the 100-year floodplain (Zone A). The ABFE map can be found in **Attachment 5**.

Based on the National Wetlands Inventory (NWI) map, the Paseo runs parallel to a Riverine wetland (R5UBFx) and is located about 22.5 feet away at its closest point (see **Attachment 6 and Attachment 3 of the Wetland** inspection form package). The Paseo's footprint will minimally expanded with two observation platforms, which will be located in areas identified as "upland" and will not impact wetland areas. A Wetland Visual Assessment conducted on 11/18/2024 by Diatom Environmental Services, LLC concluded that while there is evidence of wetlands to the east and the north of the project site, the project site itself does not contain all wetland's indicators (see **Attachment 7**).

According to both the FIRM and the ABFE, the proposed project is located entirely within the floodplain. The total area within the floodplain is approximately 2,495.20 square meters (0.617 acres). Additionally, the project is located adjacent to a wetland, as identified by the National Wetland Inventory mapper and verified by a wetland survey. Therefore, the floodplain decision-making process must be completed.

Step 2: Notify the public for early review of the proposal and involve the affected and interested public in the decision-making process.

According to 24 CFR Part 55.14, Steps 2, 3, and 7 do not apply to the modified 5-step decision making process.

Step 3: Identify and evaluate practicable alternatives to locating the proposed action in the floodplain or wetland.

According to 24 CFR Part 55.14, Steps 2, 3, and 7 do not apply to the modified 5-step decision making process.

Step 4: Identify and evaluate the potential direct and indirect impacts associated with the occupancy or modification of the floodplain or the wetland.

The potential adverse and beneficial impacts of the proposed project to the floodplain and wetland were thoroughly evaluated. The analysis of beneficial impacts will center on revitalization of the urban center, rehabilitation of the community's infrastructure, and improved accessibility for locals and visitors. The HUD-funded CRP program is for projects that contribute to economic revitalization throughout Puerto Rico. HUD rules limit what actions can be considered under the CRP program, including limitations on proposed actions in the floodplain and wetland. Descriptions of the potential impacts of the proposed project are below.

Although the proposed project is located entirely within the floodplain and adjacent to a wetland, proposed improvements to the Paseo will maintain the existing alignment and footprint of developed areas. The proposed project includes two observation platforms that will extend to the East from the current sidewalk. Since the paseo will maintain its existing footprint and the new platform will be elevated on structural columns or beams, additional impervious surface will be *de minimis*. While the column and base will be within the floodplain, floodwater will be able to flow around these structures. The proposed project will maintain natural and beneficial functions of the floodplain such as groundwater recharge and floodwater conveyance. Direct wetland impacts will be avoided, and indirect impacts to the wetland will be minimized by using best management practices (BMPs) to limit erosion and sedimentation. These BMPs may include silt fences, hay bales, and inlet protection measures, as appropriate.

Impacts to lives and property:

The proposed project will not create any additional risk for potential loss of life, injury, or hardship to residents during a flood event. The proposed project will not increase the population within the floodplain and will not exacerbate flood hazards in any way. There will be no additional hazard to surrounding properties due to increased storm runoff or reduction in floodplain functions. New impervious areas created by the proposed project will be *de minimis* and therefore, the project will not create a significant increase in runoff. Additionally, the subject property is not expected to be significantly damaged by flooding due to it being an open area that allows surface water flow.

Impacts to natural and beneficial values:

The proposed project will maintain the natural and beneficial values of the floodplain and wetland such as natural moderation of floods, water quality maintenance, and groundwater recharge. The project will not alter the existing topography of the site (see topographic map in **Attachment 8**). Flora and fauna will not be negatively affected by the project since the proposed actions will be limited to the footprint of existing walkway and the area for the support for the platforms is negligible. The project will not negatively impact archaeological or historic features of the urban center. In a letter

dated 8/21/2024, the Puerto Rico State Historic Preservation Office (PRSHPO) concurred with a determination that the project will have no adverse effect on historic properties within the project's area of potential effects. Recreational values will be improved by rehabilitating and improving a walkway for locals and visitors to enjoy.

Economic and legal considerations:

The project area is already owned and administered by the municipality and the proposed improvements are limited to the footprint of existing development. Therefore, there will be no costs related to the acquisition of additional land or relocation of residences or businesses. Since the proposed project will occur entirely within the footprint of existing development and does not encroach upon any additional land, the legal considerations related to deeds and leases may be less complex compared to if new land were needed. Legal considerations related to government regulations and permits remain important. The project will follow any requirements for obtaining permits or approvals from local authorities. Compliance with zoning laws, transportation regulations, and any other relevant regulations shall be confirmed.

Step 5: Where practicable, design or modify the proposed action to minimize the potential adverse impacts to and from the floodplain or wetland and to restore and preserve their natural and beneficial functions and values.

Elevation:

The proposed project does not include new construction or substantial improvement of any residential structure or other insurable structure. Therefore, elevation is not required.

Minimization:

Potential harm to and within the floodplain and wetland will be minimized to the greatest extent possible by limiting the project to the existing developed footprint, with a minimal expansion which will be elevated from the existing ground level. Indirect impacts to the wetland will be minimized by using best management practices (BMPs) to limit erosion and sedimentation.

Restoration and preservation:

The project will preserve the natural and beneficial values of the floodplain and wetland such as groundwater recharge, floodwater storage, and water quality maintenance.

Planning for residents' and occupants' safety:

The proposed project will not include any residential properties or healthcare facilities. No critical actions are proposed in the floodplain, and the project will not increase population density in the floodplain. The proposed project will not create any additional risk for potential loss of life, injury, or hardship to residents during a flood event and will not exacerbate flood hazards in any way.

Step 6: Reevaluate the alternatives.

There are no practicable alternatives to developing the proposed project within the floodplain. The proposed project consists of improvements to an existing walkway that is located entirely within the floodplain. The existing Paseo is in need of rehabilitation and safety improvements. Therefore, selecting an alternate project location or choosing a no-action alternative would fail to meet the goals of the project and the City Revitalization Program as a whole.

Although the project will be located entirely within the floodplain, avoid direct floodplain and wetland impacts will be avoided by limiting construction to the existing developed footprint. Indirect impacts to the wetland will be minimized by using best management practices (BMPs) to limit erosion and sedimentation. Therefore, the proposed project remains the most practicable alternative.

Step 7: Determination of no practicable alternative and publication of final notice

According to 24 CFR Part 55.14, Steps 2, 3, and 7 do not apply to the modified 5-step decision making process.

Step 8: Implement the proposed action

The Responsible Entity will oversee the implementation of the plan as described above to ensure that impacts to the floodplain are managed and mitigated to the extent possible. The activities will be executed, and necessary language will be included in all agreements with participating parties. Active monitoring of the construction process will take place to ensure no unnecessary impacts occur nor unnecessary risks are taken. Finally, the municipality will provide maintenance to the project elements to ensure it operates as intended.

Attachment 1:
Project Location Map

PR-CRP-000541 Project Location Map

Address: Juan de la Torre Street, Barceloneta, PR 00617

Coordinates: North- 18.458943, -66.534843 / South- 18.453635, -66.53768[9]

May 6, 2025

1:9,028

0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar

Attachment 2:
Site Photos

Site Photos

PR-CRP-000541

Juan de la Torre Street, Barcelona, PR 00617

Attachment 3:
General Site Plans

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK, CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME, THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 205 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: SITE PLAN

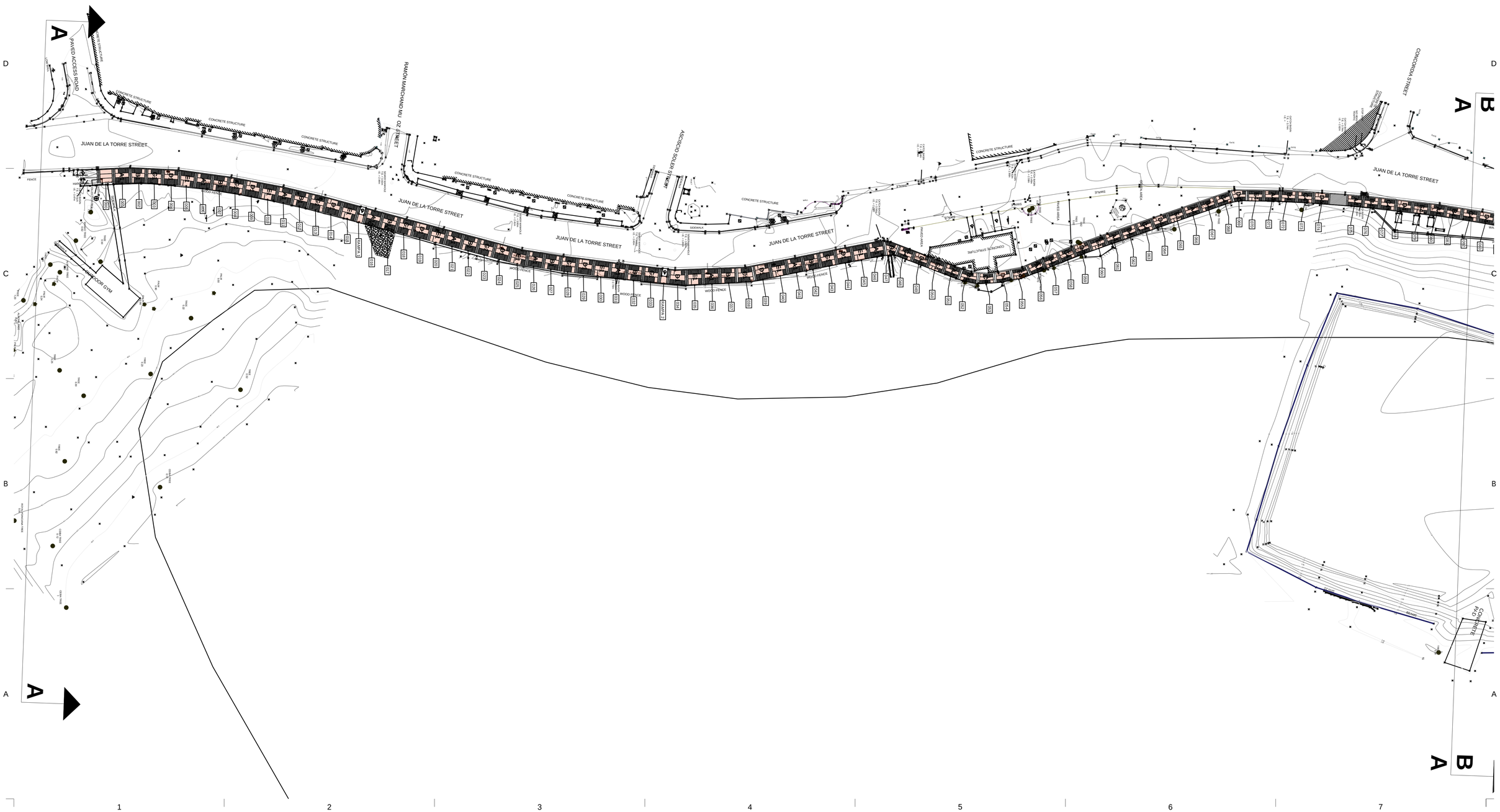
SHEET Nº: A-01

DRAWN BY: SEBASTIÁN FELICIANO

PHASE: PRELIMINARY PHASE

DATE:

PRINT DATE: 14 DE MAYO DE 2024


JUAN DE LA TORRE STREET
RAMÓN MARCHAND MU OZ STREET
JOSCOSO SOLER STREET
CONCRETE STRUCTURE
PAVED ACCESS ROAD
FENCE
WOOD FENCE
CHAIN LINK FENCE
CONCRETE WALL
CONCRETE STEPS
CONCRETE RAMP
METAL RAMP
METAL HANDRAIL
CONCRETE BENCH
CONCRETE PLANTER
CONCRETE PLANTER WITH TREE
CONCRETE PLANTER WITH PALM TREE
CONCRETE PLANTER WITH SHRUBS
CONCRETE PLANTER WITH GRASS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS
CONCRETE PLANTER WITH PALM TREE AND GRASS
CONCRETE PLANTER WITH SHRUBS AND GRASS
CONCRETE PLANTER WITH PALM TREE, SHRUBS AND GRASS
CONCRETE PLANTER WITH TREE AND SHRUBS
CONCRETE PLANTER WITH TREE AND GRASS
CONCRETE PLANTER WITH TREE, SHRUBS AND GRASS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS
CONCRETE PLANTER WITH PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND PALM TREE AND SHRUBS AND GRASS AND TREE AND

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION. IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 555 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: LEYENDA DE MÓDULOS SECCIÓN B

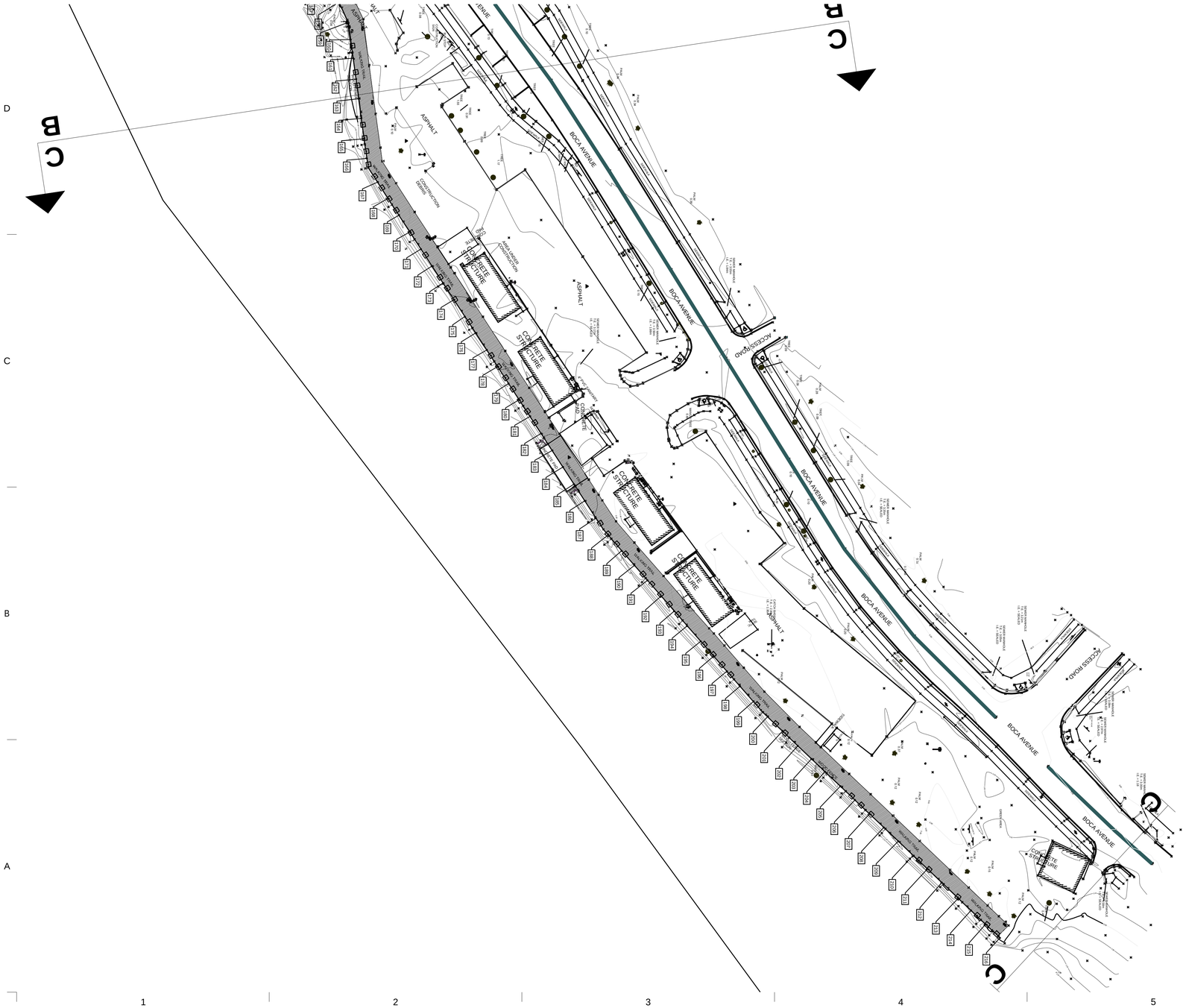
SHEET Nº: A-02

DRAWN BY: SEBASTIÁN FELICIANO

PHASE: PRELIMINARY PHASE

DATE:

PRINT DATE: 14 DE MAYO DE 2024



IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, MÉ HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 555 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: LEYENDA DE MÓDULOS SECCIÓN C

SHEET Nº: A-04

DRAWN BY: SEBASTIÁN FELICIANO

PHASE: PRELIMINARY PHASE

PRINT DATE: 14 DE MAYO DE 2024

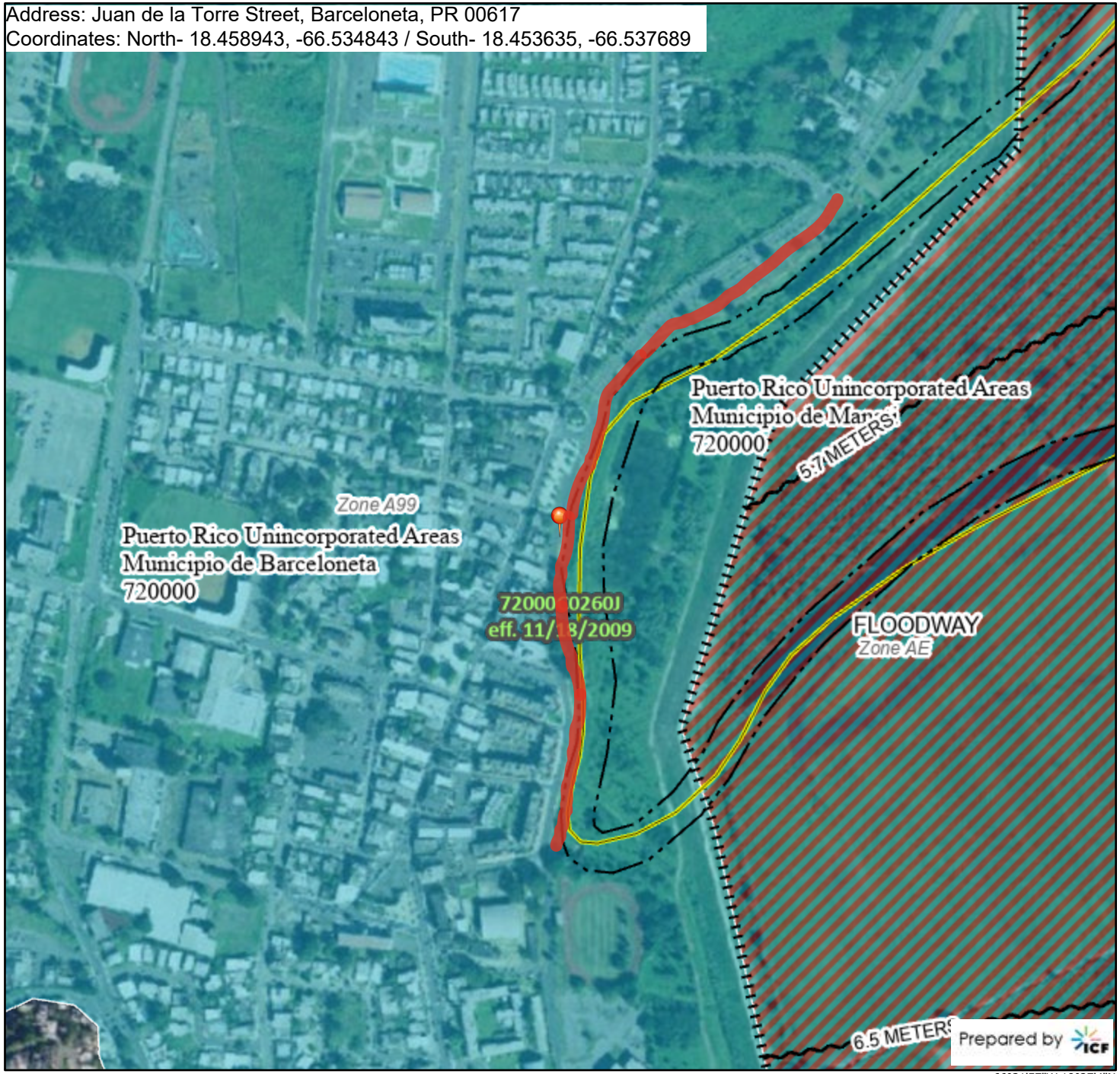
Attachment 4:
FEMA FIRMette

National Flood Hazard Layer FIRMette

FEMA

66°32'34"W 18°27'39"N

Address: Juan de la Torre Street, Barceloneta, PR 00617
Coordinates: North- 18.458943, -66.534843 / South- 18.453635, -66.537689



0 250 500 1,000 1,500 2,000 Feet

1:6,000

66°31'57"W 18°27'4"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

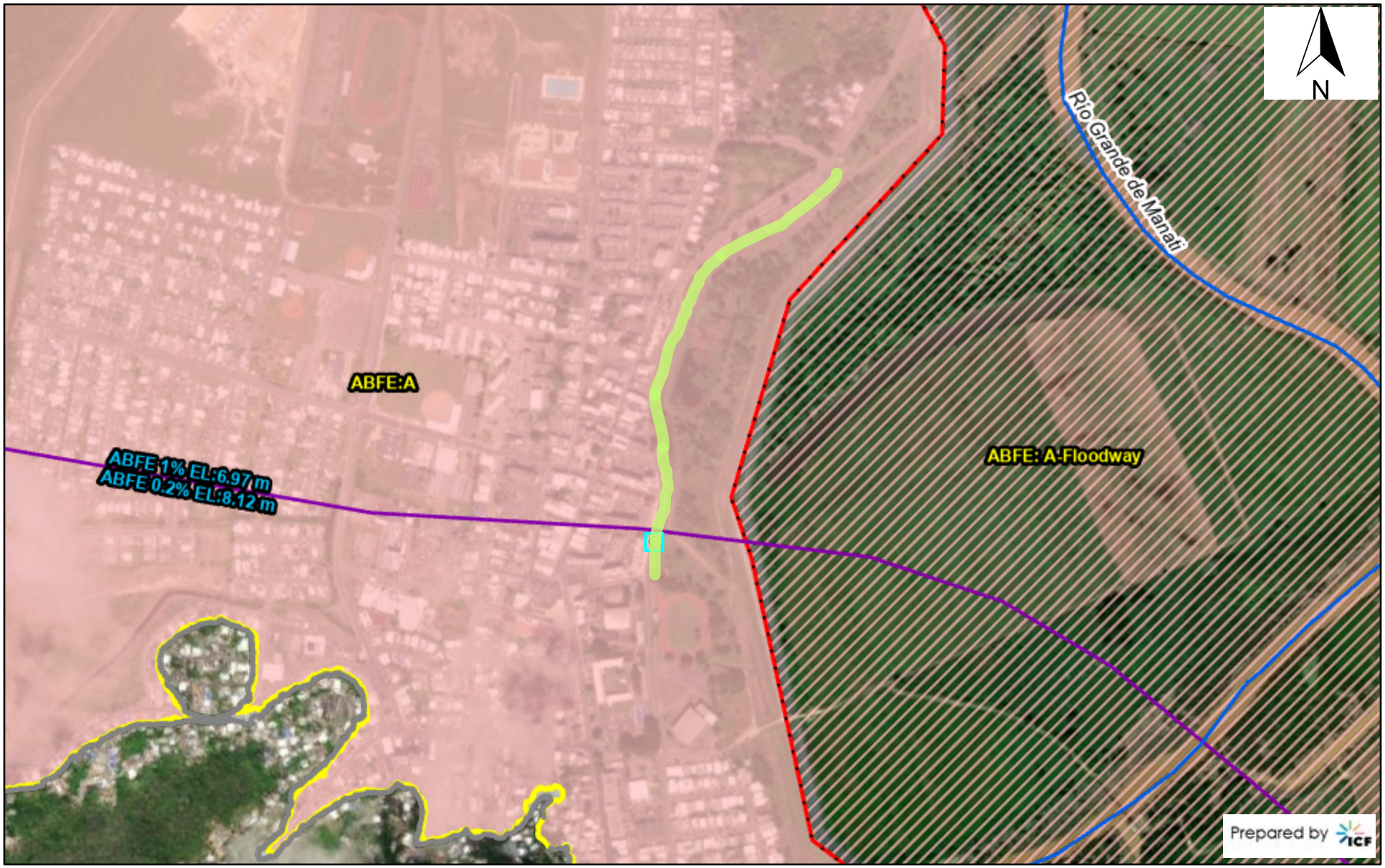
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/6/2025 at 7:18 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Attachment 5: Advisory Base Flood Elevation (ABFE) Map

PR-CRP-000541 ABFE Map

Address: Juan de la Torre Street, Barceloneta, PR 00617
Coordinates: North- 18.458943, -66.534843 / South- 18.453635, -66.537689



5/6/2025, 3:25:46 PM

1:9,028

0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

FEMA, Maxar

Flood Hazard Area (zoom in to make visible)

- A
- 0.2% Annual Chance Flood Zone
- A-Floodway

Zone/BFE Boundary

Flood Hazard Extent

- 1% Annual Chance Flood
- 0.2% Annual Chance Flood

Advisory Base Flood Elevation (zoom in to make visible)

Streamline (zoom in to make visible)

Attachment 6:
National Wetlands Inventory Map

PR-CRP-000541 Wetland Map

Address: Juan de la Torre Street, Barceloneta, PR 00617
Coordinates: North- 18.458943, -66.534843 / South- 18.453635, -66.537689

U.S. Fish and Wildlife Service
National Wetlands Inventory

May 6, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Attachment 7: Wetlands Visual Assessment

CDBG-DR PROGRAM

City Revitalization Program

PRIMARY SCREENING FOR WETLANDS
AS PER HUD's REGULATIONS AT 24 CFR 55.9(b)

General Information:		
Project Name (Case ID):	Paseo Juan de la Torre (PR-CRP-000541)	
Coordinates:	18.453162, -66.537751 to 18.458961,-66.534844	
Parcel ID:	015-000-009-26	
Municipio:	Barceloneta	
Report Date:	June 5, 2025	
Preparer:	Javier Velez Arocho, Diatom Environmental Services, LLC	
Project Scope:		
Does this project involve new construction as defined in Executive Order 11990? (The term "new construction" shall include draining, dredging, channelizing, filling, diking, impounding, and related activities and any structures or facilities begun or authorized after the effective date of the Order.)	☐ Yes	☒ No (Based on the response, the review is in compliance)
Project Site Conditions: (Indicate whether the area is impacted or not. If impacted, specify what elements or factors are present.)	The existing Paseo Juan de la Torre (Paseo) in Barceloneta runs for approximately 2,624.67 feet (800 meters) from north to south and borders what was formerly the riverbank of the Manatí River with an average width of 12 feet (3.65 meters). The Paseo covers an area of 26,180 square feet (2,432.20 square meters) and is located in the Barceloneta urban area, heavily impacted with impervious surfaces. Vegetation areas border the length of the walkway on its eastern edge. This area is not accessible to pedestrians given a change in elevation, and that it has an existing railing which will be replaced. There are also sidewalks,	

	benches, asphalt surfaces along the linear walkway route. The soil in areas adjacent to the linear park is composed of crushed stones and consolidated material. The proposed action will have two (2) observation platforms which will extend a maximum of 20 feet from the edge of the sidewalk (see drawings of platforms in Attachment 1). The support of these platforms will occur in areas determined as "upland", per Jurisdictional Wetland report (see Attachment 2) that was prepared for activities in the pond area.

A. Visual Assessment (Desktop Study)

National Wetlands Inventory (NWI) Reference		
Coordinates: North observation platform: 18.456519°, -66.537484° South observation platform: 118.453704°, -66.537655°		
Is the project area located in proximity to wetlands identified on the National Wetlands Inventory (NWI)?	☒ Yes	The project site is in proximity to wetlands identified on NWI. (See maps in Attachment 3).
	☐ No	The project site is not in proximity of wetlands identified on NWI.

B. Visual Assessment (Field Study)

Visual Assessment performed on: 11/12/2024	
List Individual(s) conducting the assessment. List weather conditions the day the assessment was performed, description of Site Conditions and Transects performed at site.	
Individual(s) present:	Javier Vélez-Arocho, MSc Gabriel Rodríguez-Rojas, MSc

Weather Conditions: (Prior and during the site visit)	Clear Sky, dry with temperatures exceeding 81°F during the site visit. Prior to the event, the area registered heavy rains.	
Where transects performed?	☐ Yes	☒ No
If performed, how many transects were performed per transects?	None	

Wetland Vegetation:		
Was vegetation identified throughout the visit?	☒ Yes	Wetland vegetation was identified. (Provide supporting documentation) In the vegetation corridor adjacent to the project, some vegetation was identified as Facultative Wetland (FAC-wet), which refers to plants that typically grow in wetland areas but can also be found in non-wetland environments. (see information in Attachment 2 and photos in Attachment 4).
	☐ No	No wetland vegetation was identified. (Provide supporting documentation).

Wetland Hydrology:		
Was visual inundation, ponding or saturation present at the site?	☐ Yes	☒ No
Were watermarks present within site (If applicable)?	☐ Yes	☒ No
If performed, how many borings were performed per transects?	0	
If performed, how many samples were taken?	Not applicable	

Wetland Hydrology:		
If performed, was underground water found throughout borings?	☐ Yes	☐ No
If boring were performed, summarize determination of borings:	Not applicable	
Reasoning as for why borings were not performed:	Sampling in the area showed the presence of consolidated and/or aggregated soils formed with a mix of limestone, crushed stone and topsoil. The area presented extensive restrictive layers of rocks and consolidated material along the eastern side of the existing sidewalks. This is an area heavily modified by anthropomorphic activities conducted over 20 years ago. Also, the proposed project will not impact the existing channels or wetlands further East of the action area.	
Provide supporting documentation (Photo Log) with brief descriptions and georeferenced document of all boring sample locations taken at end of form.		

Hydric Soils:	
What is the NRCS' soil classification for this site?	- Cn Coloso silty clay, 0 to 2 percent slopes, occasionally flooded - RsF Rock outcrop-San German complex, 20 to 60 percent slopes - To Toa silty clay loam, 0 to 2 percent slopes, occasionally flooded - Ul Urban land Soil map included in Attachment 5.

Hydric Soils:		
If performed, how many borings were performed per transects?	0	
If performed, when were the borings performed?	Not applicable	
If performed, how many samples were taken?	Not applicable	
If performed, what were the identified soils for each sample?	Not applicable	
If performed, does the identified soil sample concur with NRCS Soil Study Identification?	☐ Yes	☐ No
If performed, was underground water found throughout borings?	☐ Yes	☐ No
If boring were performed, summarize determination of borings:	Not applicable	
Reasoning as for why borings were not performed:	The visual inspection of the area confirmed that the soils in the area adjacent to the project were severely modified during the construction of the Barceloneta Flood Control Project in 2001. No conditions of hydric soil were identified in the areas where the platforms will be located and along the land adjacent to the linear park's walkway. The soil in this area consists of made land and a restrictive layer of solid material composed of rock and fill. Sampling pits were not able to be performed because of the restrictive layer. See Attachment 5 for the location of the sampling pits. Photos of the sampling pit's	

Hydric Soils:	
	conditions are included in the document in Appendix B of the document included in Attachment 2.
Provide supporting documentation (Photo Log) with brief descriptions and georeferenced document of all boring sample locations taken at end of form.	

Summary of Finding for Wetland Indicators	
Is there a presence of mentioned indicators or characteristics of wetlands within the assessed area?	☒ Wetlands Vegetation
	☐ Hydric Soils
	☐ Hydrology
	☐ No Indicators were observed

C. Determination

Visual Assessment Field Study and Desktop Study		
Based on Visual Assessment Field Study and Desktop Study:	☐	The primary screening conclusively determined that the project site contains wetlands.
	☒	The primary screening conclusively determined that the project site does not contain wetlands.
	☐	The primary screening is inconclusive; potential wetlands should be further studied.

D. Supporting Documentation

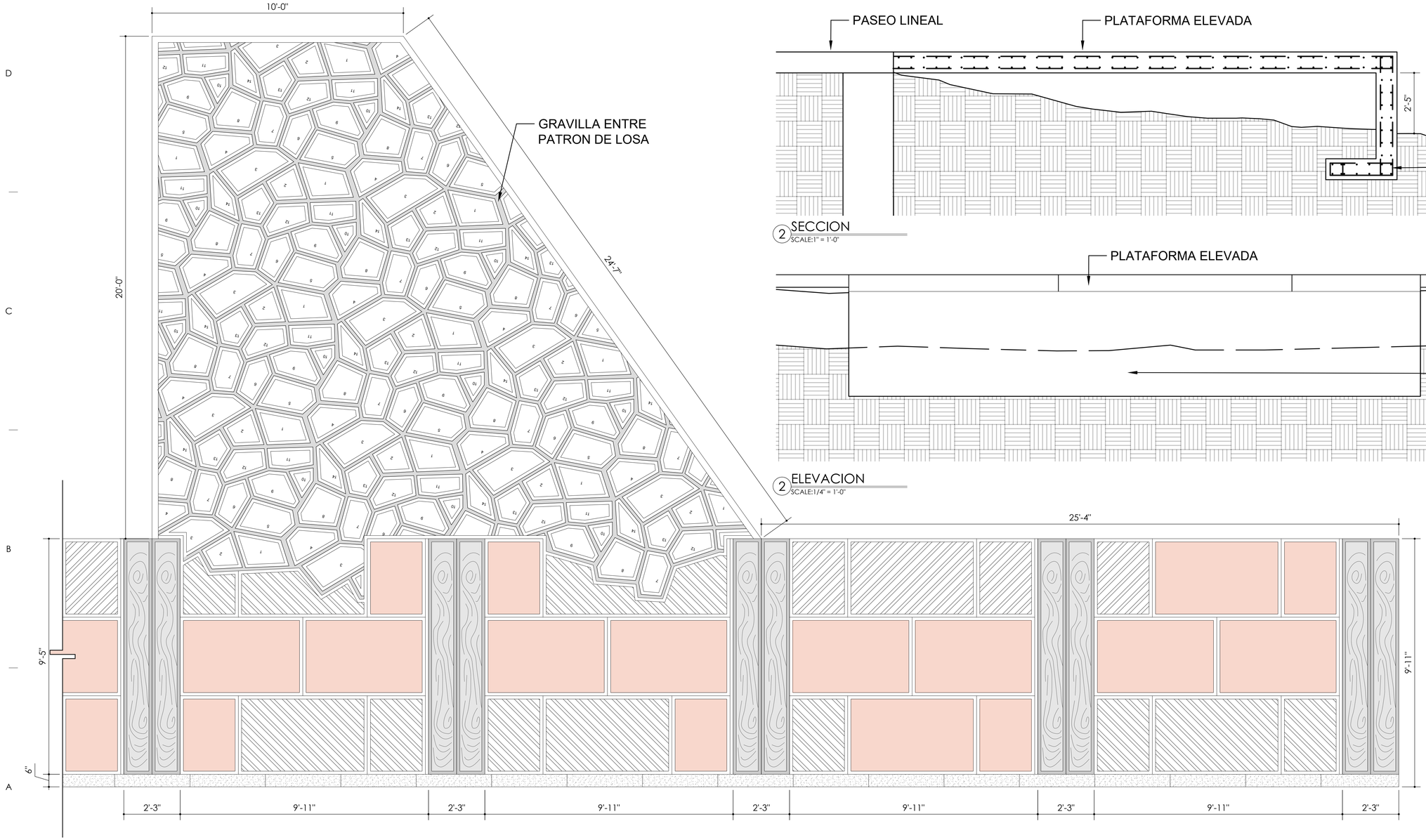
The best available information such as NRCS Soil identification, Maps, USDA Plant Lists, previous USACE wetland determinations, if any, and/or documentation of project site (if available) must be provided to support the determination made. All supporting documentation must provide source reference.

Field Study photos, photo log, and georeferenced document demonstrating location of all boring samples must be included in this form.

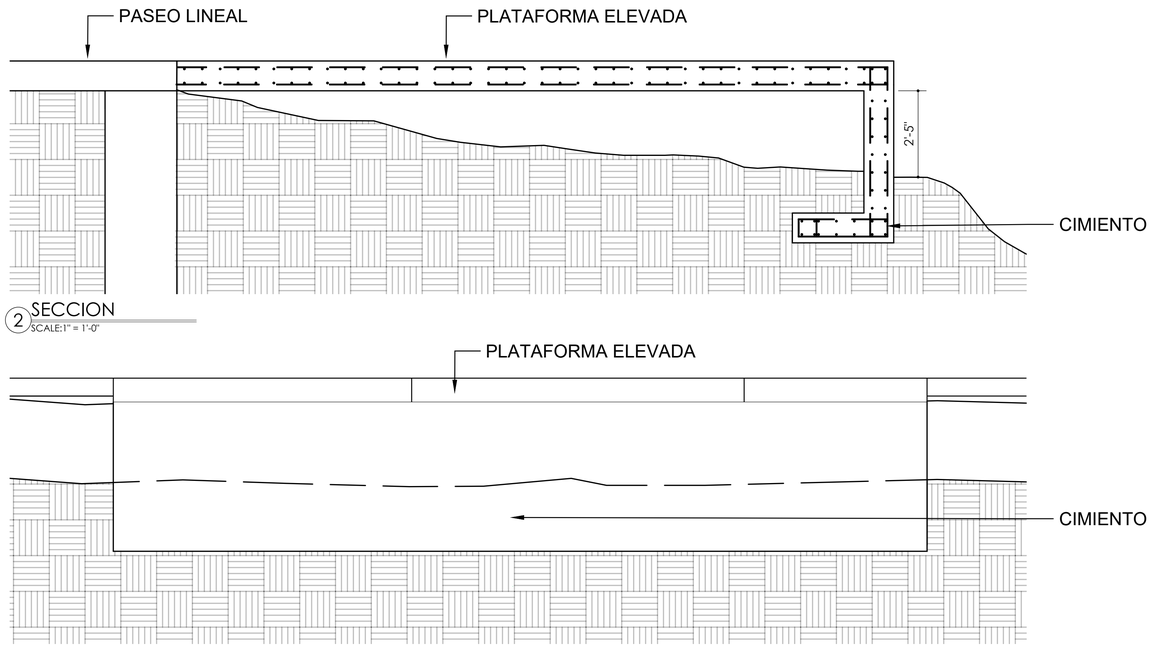
Attachments:

1	Drawings of North and South observation platforms
2	Jurisdictional Wetland Report
3	National Wetland Inventory map for the approximate locations of the north and south platforms.
4	Photos of the areas adjacent to platforms and along the linear walkway.
5	Soil map.
6	Aerial images show of Sampling Points locations.

Attachment 1: Drawings of North and South observation platforms



1 PLATAFORMA DE OBSERVACIÓN
SCALE:1/2" = 1'-0"



2 SECCION
SCALE:1" = 1'-0"

2 ELEVACION
SCALE:1/4" = 1'-0"

N

COORDENADAS:
1) 18° 27'13" N ; 66° 32'15" W
2) 18o 27'23.5o N ; 66o 32'15o W

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: PLATAFORMA DE OBSERVACIÓN SUR

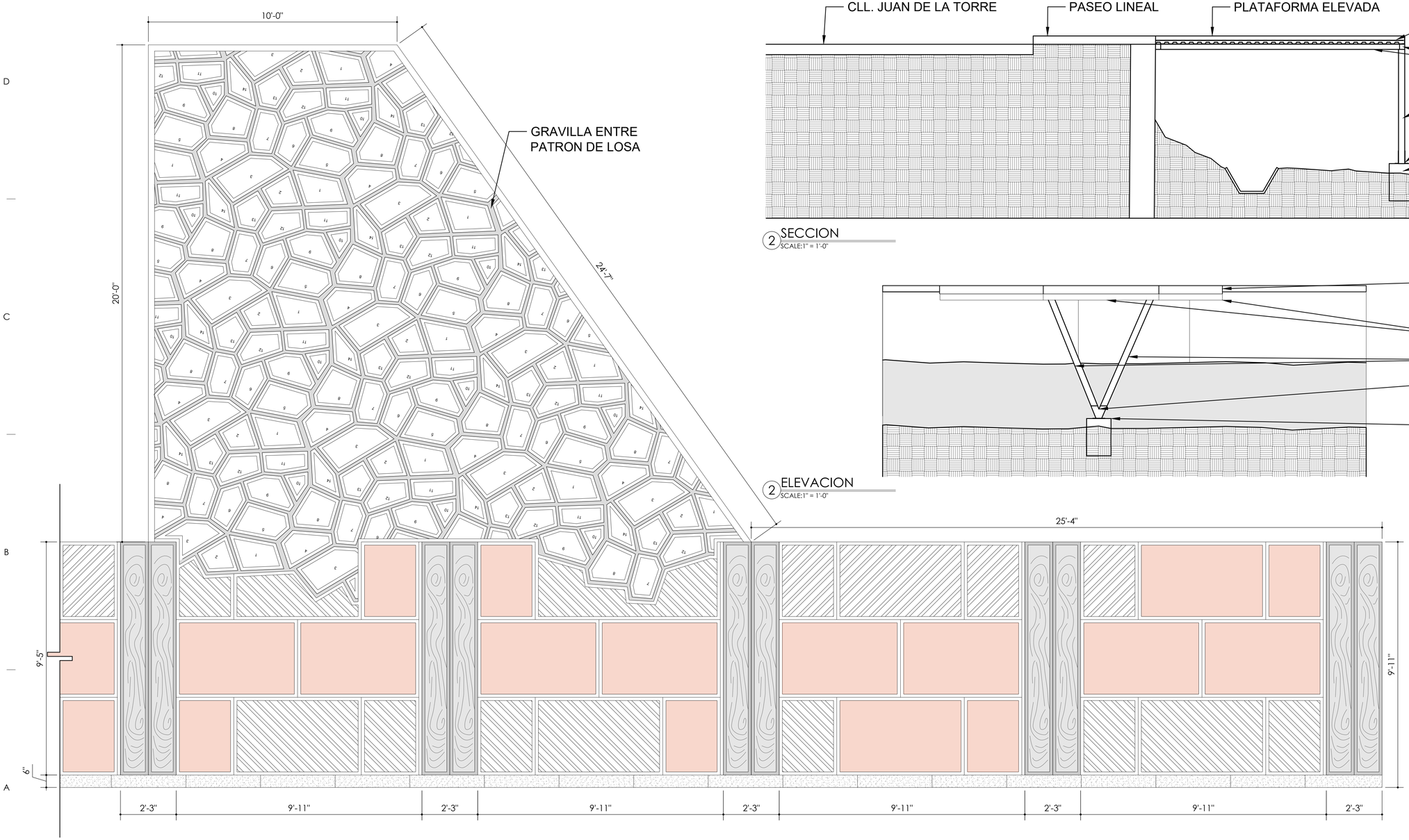
SHEET Nº: A-11

DRAWN BY:

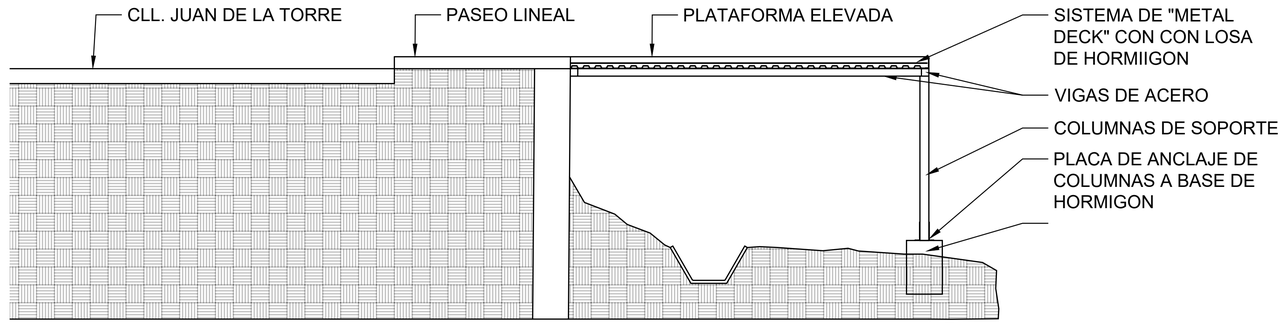
PHASE: PRELIMINARY PHASE

DATE:

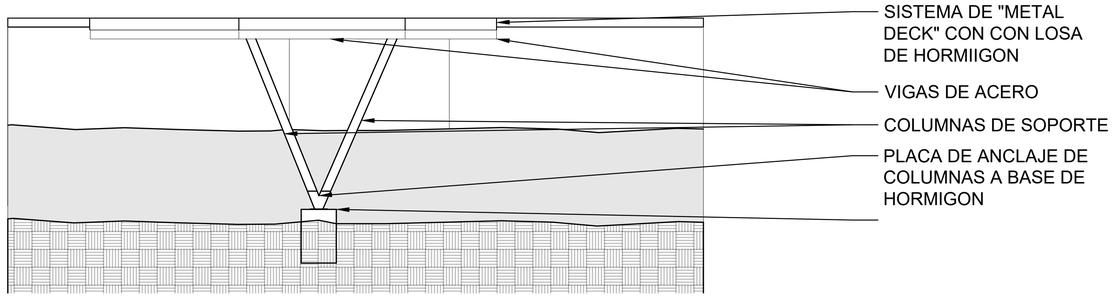
PRINT DATE: 14 DE MAYO DE 2024



1 PLATAFORMA DE OBSERVACIÓN
SCALE:1/2" = 1'-0"



2 SECCION
SCALE:1" = 1'-0"



2 ELEVACION
SCALE:1" = 1'-0"

N

COORDENADAS:
1) 18° 27'13° N ; 66° 32'15° W
2) 18° 27'23.5° N ; 66° 32'15° W

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS			
SYMB.	DESCRIPTION	DATE	APPROVAL

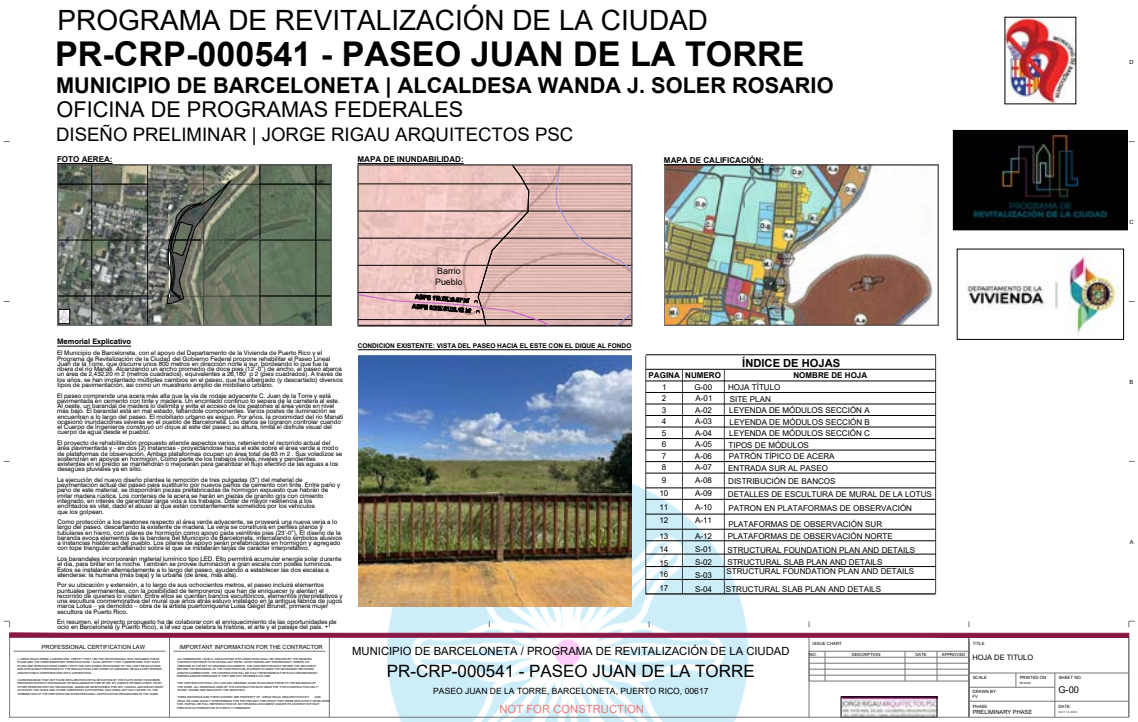
JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: PLATAFORMA DE OBSERVACIÓN NORTE	SHEET Nº: A-12
DRAWN BY:	PHASE: PRELIMINARY PHASE
	DATE:
	PRINT DATE: 14 DE MAYO DE 2024

Attachment 2: Jurisdictional Wetland Report

(Note: This evaluation was performed, in part, to address areas near and in the pod which was originally part of the project's scope. The pond is no longer part of the proposed activity.)

Jurisdictional Wetlands and U.S. Waters Determination Study



PROGRAMA DE REVITALIZACIÓN DE LA CIUDAD

PR-CRP-000541 - PASEO JUAN DE LA TORRE

MUNICIPIO DE BARCELONETA | ALCALDESA WANDA J. SOLER ROSARIO

OFICINA DE PROGRAMAS FEDERALES

DISEÑO PRELIMINAR | JORGE RIGAU ARQUITECTOS PSC

FOTO AREA:

MAPA DE INUNDABILIDAD:

Barrio Pueblo

MAPA DE CALIFICACIÓN:

PROGRAMA DE REVITALIZACIÓN DE LA CIUDAD

DEPARTAMENTO DE LA VIVIENDA

Memorial Explicativo

El Municipio de Barceloneta, con el apoyo del Departamento de la Vivienda de Puerto Rico y el Programa de Revitalización de la Ciudad del Gobierno Federal propone rehabilitar el Paseo Lineal Juan de la Torre, que discurre unos 800 metros en dirección norte a sur, bordeando lo que fue la antigua línea del ferrocarril que comunicaba a Barceloneta con Manatí. El área de intervención alcanza un área de 2,432.20 m.2 (metros cuadrados), equivalentes a 26,180 p.2 (pies cuadrados). A través de los años, se han implantado múltiples cambios en el paseo, que ha albergado (y descartado) diversos tipos de pavimentación, así como un muestrario amplio de mobiliario urbano.

El paseo comprende una acera más alta que la vía de rodaje adyacente C. Juan de la Torre y está pavimentada en cemento con brile y madera. Un encintado continuo lo separa de la carretera al este. Al oeste, un barandal de madera lo delimita y evita el acceso de los peatones al área verde en nivel inferior. Este área verde, de unos 3 metros de ancho, discurre a lo largo de todo el paseo y en ella se encuentran a lo largo del paseo. El mobiliario urbano es escaso. Por años, la proximidad del río Manatí ocasionó inundaciones severas en el pueblo de Barceloneta. Los daños se lograron controlar cuando el Cuerpo de Ingenieros construyó un dique al este del paseo; su altura, limitó el disfrute visual del cuerpo de agua desde el pueblo.

El proyecto de rehabilitación propuesto atiende aspectos varios, retemiendo el recorrido actual del área pavimentada y - en dos (2) instancias - proyectándose hacia el este sobre el área verde a modo de plataformas de observación. Estas plataformas, una al norte y otra al sur, de forma octagonal se sustentarán en apoyos en hormigón. Ambas plantean los trabajos mínimos y necesarios para que los servicios existentes en el predio se mantendrán o mejorarán para garantizar el flujo efectivo de las aguas a los desagües pluviales ya en sitio.

La ejecución del nuevo diseño plantea la remoción de tres pulgadas (3") del material de pavimentación actual del paseo para sustituirlo por nuevos paños de cemento con brile. Entre paño y paño de este material, se dispondrían piezas prefabricadas de hormigón expuesto que habrían de integrarse, en cierta medida, con el material existente. Esto permitiría un mejor acoplamiento integración, en interés de garantizar larga vida a los trabajos. Dotar de mayor resistencia a los encofrados es vital, dado el abuso al que están constantemente sometidos por los vehículos que los golpean.

Como protección a los peatones respecto al área verde adyacente, se proverá una nueva verja a lo largo del paseo, descartando la existente de madera. La verja se construirá en perfiles planos y tubulares en hierro, con pilares de hormigón como apoyo cada ventitrés pies (23'-0"). El diseño de la verja se inspirará en el de la verja de la Casa Blanca, en San Juan, como una referencia más alusiva a instancias históricas del pueblo. Los pilares de apoyo serán prefabricados en hormigón y agregado con tope triangular achaflanado sobre el que se instalarán tarjas de carácter interpretativo.

Los barandales incorporarán material luminico tipo LED. Ello permitirá acumular energía solar durante el día y, de noche, iluminar el paseo. Se instalarán también bancos de descanso a lo largo del paseo. Estos se instalarán alternadamente a lo largo del paseo, ajustando a establecer las dos escalas a atenderse: la humana (más baja) y la urbana (de área, más alta).

Por su ubicación y extensión, a lo largo de sus ochocientos metros, el paseo incluirá elementos puntuales (permanentes, con la posibilidad de temporeros) que han de enriquecer (y alentar) el recorrido de quienes lo visiten. Entre ellos se cuentan bancos escultóricos, elementos interpretativos y una escultura conmemorativa del mural que ahora ahora estuvo instalado en la antigua fábrica de jugos Goya, en Puerto Rico - obra de la artista puertorriqueña Luisa Geigel Brumat, primera mujer escultora de Puerto Rico.

En resumen, el proyecto propuesto ha de colaborar con el enriquecimiento de las oportunidades de ocio en Barceloneta (y Puerto Rico), a la vez que celebra la historia, el arte y el paisaje del país. "

CONDICION EXISTENTE: VISTA DEL PASEO HACIA EL ESTE CON EL DIQUE AL FONDO

ÍNDICE DE HOJAS

PAGINA	NUMERO	NOMBRE DE HOJA
1	G-00	HOJA TÍTULO
2	A-01	SITE PLAN
3	A-02	LEYENDA DE MÓDULOS SECCIÓN A
4	A-03	LEYENDA DE MÓDULOS SECCIÓN B
5	A-04	LEYENDA DE MÓDULOS SECCIÓN C
6	A-05	TIPOS DE MÓDULOS
7	A-06	PATRÓN TÍPICO DE ACERA
8	A-07	ENTRADA SUR AL PASEO
9	A-08	DISTRIBUCIÓN DE BANCOS
10	A-09	DETALLES DE ESCULTURA DE MURAL DE LA LOTUS
11	A-10	PATRON EN PLATAFORMAS DE OBSERVACIÓN
12	A-11	PLATAFORMAS DE OBSERVACIÓN SUR
13	A-12	PLATAFORMAS DE OBSERVACIÓN NORTE
14	S-01	STRUCTURAL FOUNDATION PLAN AND DETAILS
15	S-02	STRUCTURAL SLAB PLAN AND DETAILS
16	S-03	STRUCTURAL FOUNDATION PLAN AND DETAILS
17	S-04	STRUCTURAL SLAB PLAN AND DETAILS

PROFESSIONAL CERTIFICATION LAW

IMPORTANT INFORMATION FOR THE CONTRACTOR

MUNICIPIO DE BARCELONETA / PROGRAMA DE REVITALIZACIÓN DE LA CIUDAD

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

ISSUE CHART

NO.	DESCRIPTION	DATE	APPROVED

JORGE RIGAU ARQUITECTOS PSC

TITLE: HOJA DE TITULO

SCALE | PRINTED ON | SHEET NO.: G-00

DRAWN BY: PV

PHASE: PRELIMINARY PHASE

DATE

PARQUE LINEAL JUAN DE LA TORRE - BARCELONETA PR-CRP-000541

Prepared for:

Jorge Rigau, AIA, Arquitectos, PSC

Prepared by:

Diatom Environmental

DIATOM

ENVIRONMENTAL SERVICES, LLC

MARCH 2025

This page was left blank intentionally.

DIATOM
ENVIRONMENTAL SERVICES, LLC

Table of Contents

Executive Summary 4

Introduction 6

Study Site Description 8

Rainfall 9

Topography 9

Hydrology 9

Soils 9

National Wetland Inventory 9

Methodology 10

Results and Discussion 12

Wetland Vegetation 12

Wetland Soils 13

Wetland Hydrology 13

U.S. Waters 14

Uplands 14

Conclusions 16

References 18

Appendix A: Figures 20

Figure 1: General Site Over Aerial Photograph (1:20,000) 21

..... 21

Figure 2: General Site Over Aerial Photograph (1:10,000) 22

..... 22

Figure 3: Paseo Lineal Layout (1:3,000) 23

..... 23

Figure 4: Paseo Lineal Layout (1:6,000) 24

Figure 5: Hydrology Map 25

Figure 6: Soils along the proposed area for the Paseo Lineal Juan de la Torre 26

Figure 7: National Wetlands Inventory along the Barceloneta Paseo Lineal Juan de la Torre 27

Figure 8: Wetlands and Non-U.S. Waters Jurisdictional Determination Map 28

DIATOM ENVIRONMENTAL SERVICES, LLC

..... 28
Appendix B: Photographic Documentation *29*
Appendix C: Data Forms *33*

DIATOM
ENVIRONMENTAL SERVICES, LLC

Executive Summary

The Municipality of Barceloneta, with support from the Puerto Rico Department of Housing and CDBG-DR (Community Development Block Grant – Disaster Recovery) funding through the City Revitalization Program, aims to rehabilitate an existing linear park (the Paseo Lineal Juan de la Torre). This linear park extends about 800 meters (approximately 2,625 feet) from north to south, running parallel to existing roads (Juan de la Torre Street, which becomes Ave. Boca after a T-shaped intersection with Ave. Plazuela). The southernmost coordinates of the park are 18.453162, -66.537751, while the northernmost coordinates are 18.458961, -66.534844. A green area flanks the entire project on the eastern edge; this area will not be accessible to pedestrians due to an elevation change and because an existing railing limiting access will be replaced. The average width of the linear park is twelve feet (12'-0"), and the walkway covers an area of 2,432.20 m² (square meters), equivalent to 26,180 ft² (square feet). Over the years, several changes have been made within the original footprint of the promenade, which has accommodated (and removed) various types of paving and a wide variety of urban furniture.

The linear park features a sidewalk elevated above the adjacent roadways: Juan de la Torre Street and Ave. Boca (the roadway changes name approximately halfway through the project). A continuous curb separates the linear park from the road to the east. To the west, a railing defines the linear park and restricts pedestrian access to the green area. In the proposed rehabilitation, the railing will be replaced, and pedestrian access to the green area will remain restricted. The new railings are planned to be constructed with flat profiles and tubular iron, supported by concrete pillars every twenty-three feet (23'-0"). The support pillars are intended to be prefabricated with concrete and aggregate, featuring a chamfered triangular top where interpretive plaques will be installed.

The areas where the Project will be carried out constitute the study site or study area. The Project is located in the Pueblo Ward of the Municipality of Barceloneta, Puerto Rico (the Study, see **Appendix A, Figures 1 and 2**).

This document outlines the Jurisdictional Determination Study for Wetlands and U.S. Waters at the study site. The methodology employed consisted initially of a preliminary screening process and gathering background information to identify potential jurisdictional wetlands within the study area. Next, a detailed screening was conducted using a Geographic Information System (GIS) alongside data collected in the field to identify those wetlands and other areas potentially under the jurisdiction of the United States Army Corps of Engineers (USACE). The **Methodology** section of this report provides a more thorough description of the methods used.

Approximately 10,501 m² (2.6 acres) of non-jurisdictional wetlands (a developed pond) and an open channel of non-US Waters measuring 135 linear meters were found across the study site. The wetlands in the study area are illustrated in Figure **8** (**Appendix A**). The areas surrounding the existing channel and a pond created as part of the recreational facilities of the Barceloneta Flood Control Project are considered non-jurisdictional due to the absence of hydraulic connection between this area and the US Waters of the Río Grande de Manatí. Two surface freshwater discharges were observed entering the channel area, but no exits were identified within the study site. It is believed that percolation through the limestone and rock levee allows the water to exit the system. The USFWS Wetland Mapper has not classified the smaller unnamed creek.

DIATOM
ENVIRONMENTAL SERVICES, LLC

Several species of wetland plants were observed growing outside the action area where the USACE constructed a runoff retention pond more than 20 years ago. Among the species noted in this area are Malanguilla (Colocasia esculenta) and Desmanto Amarillo (Neptunia plena), which dominate the herbaceous wetlands in the channel's regions. Additionally, Malojillo (*Urochloa mutica*), Yerba venezolana (*Paspalum fasciculatum*), yerba horquetilla (*Paspalum cojugatum*), yerba de sapo (*Phyla nodiflora*), and Enea (*Typha domingensis*) were present.

The most common hydric soil indicators were inundation with 100% obligate wetland plants and Stratified Layers within the channel surface outside the action area.

Generally, the most common wetland hydrology indicators were Surface Water, Geophormic Position, and FAC-neutral test.

Introduction

The town of Barceloneta proposes a linear park with a sidewalk elevated above the adjacent roadways: Juan de la Torre Street and Ave. Boca (the roadway changes its name about halfway through the project). A continuous curb separates the linear park from the road to the west. To the east, a railing delineates the linear park and prevents pedestrian access to the green area. In the proposed rehabilitation, the railing will be replaced, and pedestrian access to the green area will continue to be restricted. The new railings are proposed to have flat profiles and tubular iron, with concrete pillars as support every twenty-three feet (23'-0"). The support pillars are proposed to be prefabricated in concrete and aggregate with a chamfered triangular top on which interpretive plaques will be installed. Due to the project's proximity to resources identified as wetlands in the National Wetland Inventory, a wetland delineation study has been proposed. The areas where the first task will be carried out constitute the study site or study area. The project is located in the Pueblo Ward of the Municipality of Barceloneta, Puerto Rico (see Study, **Appendix A, Figures 1** and **2**).

This document presents the Wetlands and U.S. Waters Jurisdictional Determination Study for the study site. The methodology used in this study adhered to the 1987 Corps of Engineers Wetland Delineation Manual and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Caribbean Islands Region (version 2.0) (the Caribbean supplement). It initially involved a preliminary screening and the gathering of background information to identify the potential jurisdictional wetlands within the study site. Subsequently, a detailed screening using a Geographic Information System (GIS) and field-collected data pinpointed the wetland areas under the jurisdiction of the USACE. The

Methodology section of this report elaborates on the methodology employed in greater detail.

This report comprises four sections: a site description, methodology, results and discussion, and conclusions. **Appendix A** contains topographic, aerial imagery, hydrographic, National Wetlands Inventory, and soil survey maps. The Jurisdictional Wetlands and U.S Waters delineation figure was overlaid on an aerial image of the area. Photographic documentation of sampling points is included in **Appendix B**. **Appendix C** consists of the Data Forms from the Caribbean supplement.

Fieldwork for this JD was performed in November 2024.

DIATOM
ENVIRONMENTAL SERVICES, LLC

Study Site Description

The study site is located in the Pueblo Ward, Municipality of Barceloneta (**Appendix A, Figures 1** and **2**). The linear park has an average width of twelve feet (12'-0") and encompasses an area of 2,432.20 m² (square meters), which is equivalent to 26,180 ft² (square feet). Over the years, various changes have been made to the promenade within the original footprint, which has hosted and discarded multiple types of paving and a wide range of urban furniture. The linear park features a sidewalk that is higher than the adjacent roadways: Juan de la Torre Street and Ave. Boca (the roadway changes name about halfway through the project). A continuous curb separates the linear park from the roadway to the east. To the west, a railing delineates the linear park and prevents pedestrian access to the green area. In the proposed rehabilitation, the railing will be replaced, and pedestrian access to the green area will continue to be restricted. The new railings are proposed to be constructed with flat profiles and tubular iron, supported by concrete pillars every twenty-three feet (23'-0").

The support pillars are proposed to be prefabricated using concrete and aggregate, featuring a chamfered triangular top for the installation of interpretive plaques. Several lighting poles currently line the promenade. In the proposed project, these lighting fixtures will be replaced while adhering to dark skies regulations and guidelines. To execute the new design, three inches of the existing paving on the promenade will be removed and replaced with new dyed cement strips. Additionally, several prefabricated elements of exposed concrete will be arranged along the promenade.

Due to its location and length—800 meters (approximately 2,625 feet)—the rehabilitated promenade will feature several key elements along the span of the linear park. Two surface freshwater discharges were identified during the fieldwork, flowing into the existing channel. These small surface water bodies travel east of Plazuela Avenue (see **Figure 5**, **Appendix A**).

Rainfall

According to the National Climatic Data Center (NCDC), Barceloneta has significant seasonal variations in monthly rainfall. Rain falls throughout the year in Barceloneta, with September being the wettest month, averaging 4.4 inches of rain. January experiences the least rainfall, averaging 1.2 inches. The climate in Barceloneta is hot, oppressive, windy, and partly cloudy. Throughout the year, temperatures typically range from 70°F to 89°F, rarely dipping below 67°F or exceeding 91°F.

Topography

According to the USGS topographic quadrangles of Barceloneta, the entire study site is at an elevation of 0.0 to 4.0 meters above mean sea level. **Figure 1** (**Appendix A**) displays the study site over the topographic quadrangles of Barceloneta and San Juan.

Hydrology

A system of earthen and stone levees encircles the study site. These canals are components of the Barceloneta Flood Control Project's stormwater drainage system and drain into the Río Grande de Manatí beyond the project area. The hydrographic map for the region is presented in **Figure 5** (**Appendix A**).

DIATOM
ENVIRONMENTAL SERVICES, LLC

Soils

According to the U.S. Department of Agriculture's Soil Conservation Service, the study site primarily consists of urban land and Cn or Coloso silty clay, with slopes of 0 to 2 percent, and is occasionally flooded, covering approximately 55.7 acres or 19.2% of the entire urban area. **Figures 6** (**Appendix A**) illustrate the soils found within the study site.

National Wetland Inventory

The National Wetland Inventory (NWI), prepared by the U.S. Fish and Wildlife Service (USFWS), identifies this surface water channel as Riverine, Surface Flooding Permanent

(R2UBH), while the land east of the existing pond is classified as Fresh Water Emergent Wetland Surface Flooding Temporary (PEM1A). The area where the project will take place is classified as upland (UPL). **Figure 7** (**Appendix A**) shows the National Wetlands Inventory for the study site.

It is important to note that the NWI was conducted in the 1970s. Currently, some wetlands are excluded from the NWI, and certain areas designated as wetlands under the NWI require updates. The NWI study was revised on May 1, 2023.

Methodology

The methodology utilized in this study adhered to the Routine Determination with an onsite inspection method, as outlined in the *1987 Corps of Engineers Wetland Delineation Manual* (the Manual) for areas totaling 5 acres or less and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Caribbean Islands Region (version 2.0) (the Caribbean Supplement).

The Caribbean supplement took precedence in situations where discrepancies arose between the manual and the Caribbean supplement. In certain areas, making a determination was challenging due to previous or ongoing land use or other factors. In these instances, the determination relied on the best available information, interpreted in light of professional experience and an understanding of the ecology of wetlands in the region, as noted in the Caribbean supplement.

This JD was carried out in three phases. Phase 1 of the study involved a screening-level analysis to identify areas within the site that exhibit wetland characteristics. The screening analysis utilized a Geographic Information System (GIS). This analysis incorporated aerial imagery from various years, a soil map, a National Wetlands Inventory map, a hydrographic map, and a topographic map. The data collected from this phase provided specific and essential information regarding the location of potential wetland areas. This

phase also included a preliminary site visit to assess the environmental conditions of the study site. It further helped the team gain a better understanding of the wetland condition and location to develop a fieldwork plan.

Phase II of the study involved field visits to map the jurisdictional wetlands on the site. Each visit included sampling, collecting, and describing the site's hydrology, soils, and dominant vegetation around representative sampling locations.

The following tasks were carried out during Phase II:

- Visual inspection of the site and identification of landscape features;
- Identification of plant communities;
- Selection of a representative area within each plant community to dig a soil pit;
- Identification of dominant plant species from the various strata;
- Characterization of soil properties and colors in the soil pit.
- Measure of depth where hydric soil indicators (if any) appear;
- Description of the hydrology around and within the soil pit;
- Photographic documentation of the site, soil pits, or vegetation;
- Geographic Positioning System (GPS) documentation of sampling points; and
- Wetland delineation and documentation of wetland limits.

DIATOM

All sections of the interconnection line that runs along the roadside or across dirt roads were thoroughly evaluated.

Position coordinates on the physical boundary were collected to define the wetland/upland boundary within the channel and the proposed sidewalk project. Those points were then superimposed on a recent topographic study of the site. This method proved beneficial and accurately delineated the wetland.

The 2020 Wetland Plant List served as a reference for determining the wetland indicator status of various plant species. Plants not listed in the 2020 Wetland Plant List (NI or Not Indicated) were classified as UPL (Upland Species).

The Munsell Soil Color Charts (2009) served as a reference for determining soil colors (hue, value, and chroma) and estimating the proportions of redoximorphic features.

Phase III of the study involved the final analysis of the data collected during Phases I and II, as well as the creation of this report.

Results and Discussion

Approximately 10,501 m² (2.6 acres) of non-jurisdictional wetlands (developed pond) were identified across the study site, along with 135 linear meters (135 m²) of non-U.S. waters found within the same area. **Figure 8** (**Appendix A**) presents this project's Wetlands and Non-U.S. Waters Jurisdictional Determination Map. According to the municipal managers, the local government is considering restoration activities for the constructed pond. Depending on the alternative action, the proposed measures could affect the non-jurisdictional wetlands. The area transitions into upland on both sides of the channel, which is covered with deep deposits of aggregates and topsoil. A restrictive layer of aggregates spans the entire study area.

DIATOM
ENVIRONMENTAL SERVICES, LLC

Wetland Vegetation

Several species of wetland plants were observed growing outside the action area where the USACE constructed a runoff retention pond more than 20 years ago. Among the species noted in this area are Malanguilla (Colocasia esculenta) and Desmanto Amarillo (*Neptunia plena*), which dominate the herbaceous wetlands in the channel's regions. Additionally, Malojillo (*Urochloa mutica*), Yerba venezolana (*Paspalum fasciculatum*), yerba horquetilla (Paspalum cojugatum), yerba de sapo (Phyla nodiflora), and Enea (Typha domingensis) were present.

Table 1 includes the dominant plant species within channels, with their respective indicator.

Table 1. Dominant plant species within the border of the channel and the wetlands in the Pond

Scientific Name	Common Name	Stratum	Indicator*
Colocasia esculenta	Malanga	Herbaceous	FACW+, OBL
Neptunia plena	Desmanto amarillo	Herbaceous	FACW
Paspalum fasciculatum	Yerba venezolana	Herbaceous	FACW
Paspalum conjugatum	Yerba horquetilla	Herbaceous	FAWC
Urochloa mutica	Malojillo	Herbaceous	FACW
Typha domingensis	Enea	Herbaceous	OBL
Phyla nodiflora	Hierba de sapo	Herbaceous	FACW
Panicum aquaticum	Yerba acuática	Herbaceous	FACW

*OBL: Obligate wetland plants (almost always occur in wetlands; FACW: Facultative wetland plants (usually occurs in wetlands but may occur in non-wetlands).

All plant species that dominate wetlands or US waters are categorized as FACW or OBL.

Wetland Soils

Regarding hydric soil indicators, 10YR was the most abundant soil hue, as expected.

Channel areas were found to be inundated with 100% OBL species. In herbaceous wetlands, hydric soil indicators included the hydric soil indicator and stratified layers, which indicate problematic hydric soils. Stratified layers were observed at sampling point 19. Both hydrophytic vegetation and wetland hydrology indicators were present at this sampling point.

Wetland Hydrology

Surface Water (Primary Wetland Hydrology Indicator A1) was observed in the channel. Geomorphic Position (Secondary Wetland Hydrology Indicator D2) and FAC-neutral test (Secondary Wetland Hydrology Indicator D5) were identified in herbaceous wetlands.

U.S. Waters

No U.S. waters were identified in the proposed project area. The existing channel has no direct hydraulic connection to the Manatí River. As noted in the **Study Site Description** section, this canal channel is part of the Barceloneta Flood Control Project stormwater drainage system. Vegetation, primarily herbaceous, exists along its borders. Therefore, it is considered non-U.S. waters.

Uplands

Uplands are primarily located within the proposed project area along much of the avenue and in the PRDTOP right of way.

Most common upland species are Hierba de guinea (*Megathyrsus maximus*), Moca (*Indira inermis*), Coconut Palm (*Cocos nucifera*), Almendro (*Terminalia catappa*), Pata de gallina (*Eleusine indica*) and hierba de elefante.

DIATOM
ENVIRONMENTAL SERVICES, LLC

Table 2 includes the dominant plant species within uplands, with their respective indicator.

Table 2. Dominant Plant Species within Uplands

Scientific Name	Common Name	Stratum	Indicator*
Megathyrsus maximus	Hierba de Guinea	Herbaceous	FACU
Leucaena leucocephala	Zarcilla	Tree	FACU
Indira inermis	Moca	Tree	FACU
Cocos nucifera	Coconut	Palm	FACU
Terminalia catappa	Almendro	Tree	FACU
Cenchrus purpureus	Hierba de elefante	Herbaceous	FAC

*FACU: Facultative Upland plants (usually occur in non-wetlands but may occur in wetlands); FAC: Facultative plants (occur in wetlands and in non-wetlands).

Upland areas displayed no indicators of hydric soil. Soils, particularly near the channel where a wall is located, were highly compacted and contained fill material along with small to medium subangular blocky structures. Indicators of wetland hydrology were not present within non-wetlands.

DIATOM
ENVIRONMENTAL SERVICES, LLC

Conclusions

This Wetlands and U.S. Waters Jurisdictional Determination Study concludes that the approximately 10501 m² (2.6 acres) of non-jurisdictional wetlands and 135 linear meters (135 m²) of non-U.S. Waters found within the study site should not fall under the jurisdiction of the U.S. Army Corps of Engineers, in accordance with Section 404 and Section 10 of the Clean Water Act of 1972, as amended. However, all submerged lands are classified as wetlands. According to E.O. 11990, the term "wetlands" refers to areas that are inundated by surface or ground water with a frequency sufficient to support, and under normal circumstances do or would support, a prevalence of vegetative or aquatic life that requires saturated or seasonally saturated soil conditions for growth and reproduction. Wetlands generally include swamps, marshes, bogs, and similar areas such as sloughs, potholes, wet meadows, river overflows, mud flats, and natural ponds.

Wetlands under E.O. 11990 encompass both isolated and non-jurisdictional wetlands. Additionally, per Title 24, Subtitle A, Part 55, § 55.2 Terminology: “Wetlands are areas inundated or saturated by surface or groundwater with a frequency sufficient to support, and under normal circumstances do or would support, a prevalence of vegetative or aquatic life that requires saturated or seasonally saturated soil conditions for growth and reproduction. Wetlands generally include swamps, marshes, bogs, and similar areas such as sloughs, prairie potholes, wet meadows, river overflows, mud flats, and natural ponds. This definition encompasses wetland areas that are separated from their natural water supply due to the construction of structural flood protection methods, solid-fill roadbeds, and activities such as mineral extraction and navigation improvements. It also comprises wetlands that are subject to and those that are not subject to Section 404 of the Clean Water Act and constructed wetlands.

This conclusion is supported by:

1. Hydrophytic vegetation, hydric soils, and wetland hydrology exist in delineated wetlands.

2. The existing wetlands lack a continuous surface connection to Traditional Navigable Waters (TNW), represented by the riverine area east of the property, which directly connects to the Atlantic Ocean.
3. The delineated channel is part of the Barceloneta Flood Control Project stormwater control system.

It is crucial to consider the possible requirements of the Puerto Rico Department of Natural and Environmental Resources if the wetland areas identified in this study are impacted. State Law 41 (Wildlife Protection Law) may apply to the proposed action due to a potential modification of the existing water body.

Signed by:

Javier Vélez Arocho, Senior Biologist
Diatom Environmental Services, LLC

DIATOM
ENVIRONMENTAL SERVICES, LLC

References

Acevedo-Rodríguez, P. and Woodbury, R. O. **1985**. *Los bejucos de Puerto Rico.* Volumen 1. General Technical Report S0-85. New Orleans, LA: U.S. Department of Agriculture, Forest Service, Southern Forest Experiment Station. 331 pp.

Boccheciamp, R.A. **1982**. *Soil Survey of Humacao Area of Puerto Rico*. U.S.D.A. Soil Conservation Service. 180 pp. plus appendices.

Department of Natural and Environmental Resources, et al. **2001**. *Guide to Identify Common Wetland Plants in the Caribbean Area: Puerto Rico and the U.S. Virgin Islands*. Editorial de la Universidad de Puerto Rico. 268 pp.

Environmental Laboratory. **1987**. *Corps of Engineers Wetlands Delineation Manual*. U.S. Army Engineer Waterways Experimental Station, Vicksburg, M.S. Tech. Rpt. Y-87-1. 100 pp. plus appendices.

Environmental Laboratory. **2011**. *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Caribbean Islands Region (version 2.0).*. U.S. Army Engineer Research and Development Center, Vicksburg, M.S. ERDC/EL TR-09-8. 119 pp. plus appendices.

GretagMacbeth. **2000**. *Munsell Soil Color Charts*. Munsell Color, New Windsor, NY.

Hutchinson, Ian. 1988. *Salinity Tolerance of Plants of Estuarine Wetlands and Associated Uplands*. Washington State Shorelands and Coastal Zone Management Program: Wetlands Section. Report in fulfillment of contract No. C0088137.

Liogier, H. A. **1985**. *Descriptive Flora of Puerto Rico and adjacent islands*. Volumes I-V. Editorial de la Universidad de Puerto Rico, Río Piedras, PR.

Little, E. L. and Wadsworth, F. H. **1964**. *Common Trees of Puerto Rico and the Virgin Islands*. Agricultural Handbook No. 249. U.S. Department of Agriculture, Forest Service. Washington, D.C. 556 pp.

Más, E.G. and García Molinari, O. **1990**. *Guía Ilustrada de Yerbas Comunes en Puerto Rico*. Servicio de Extensión Agrícola, Universidad de Puerto Rico, Recinto Universitario de Mayagüez, Colegio de Ciencias Agrícolas. 103 pp.

Ramey, Víctor. **2001**. *Grasses, Sedges and Rushes of Wetlands*. Identification Deck. With notes about wildlife use. University of Florida. Institute of Food and Agricultural Sciences. 85 pp.

Tiner, Ralph W. **1999**. *Wetland Indicators: a guide to wetland identification, delineation, classification, and mapping*. CRC Press LLC. 363 pp.

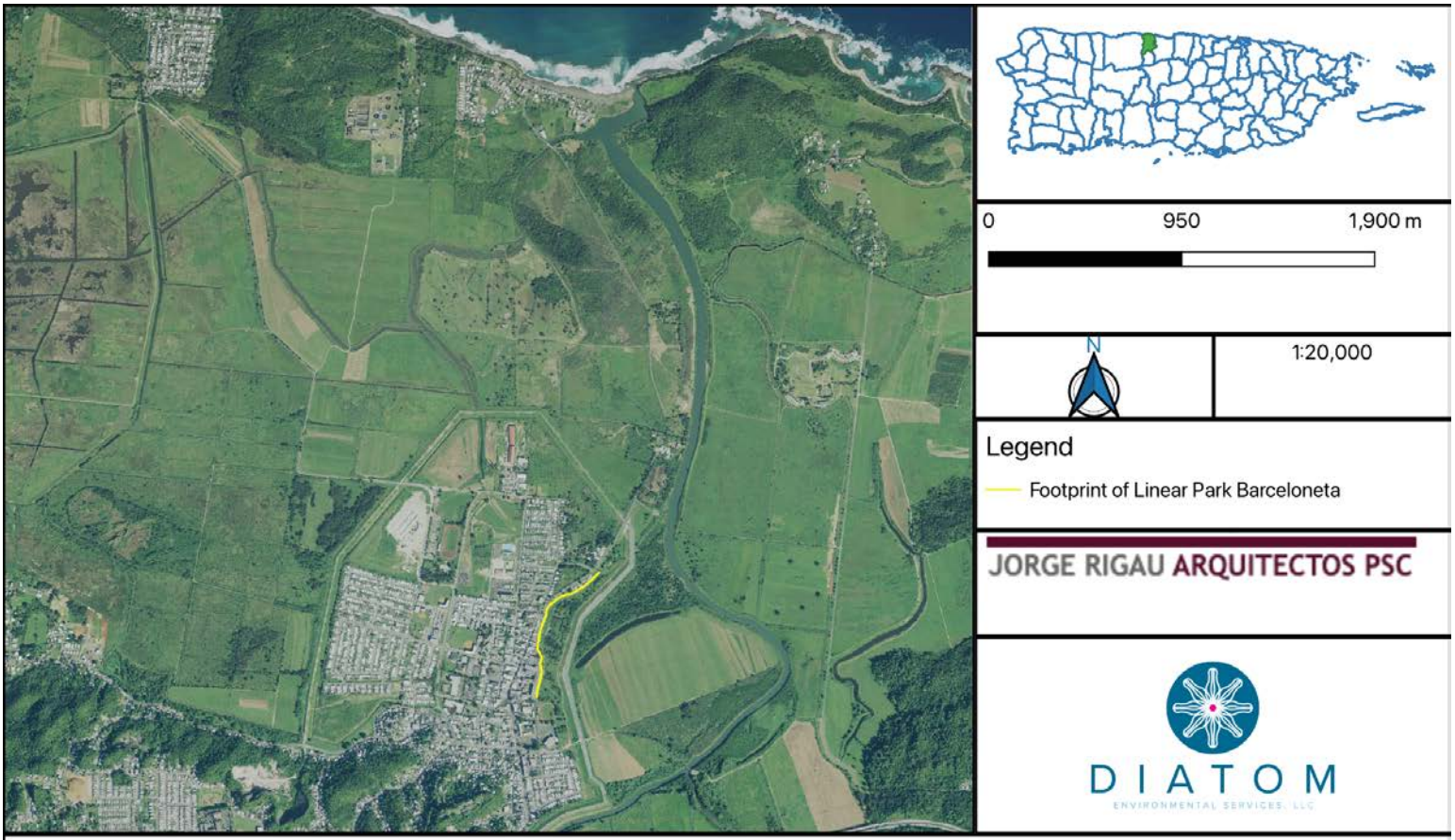
United States Department of Agriculture. Soil Conservation Service. Caribbean Area. San Juan Puerto Rico. **1993**. *Hydric Soils of the Caribbean*. In Cooperation with the National Technical Committee for Hydric Soils.

DIATOM
ENVIRONMENTAL SERVICES, LLC

Appendix A: Figures

DIATOM
ENVIRONMENTAL SERVICES, LLC

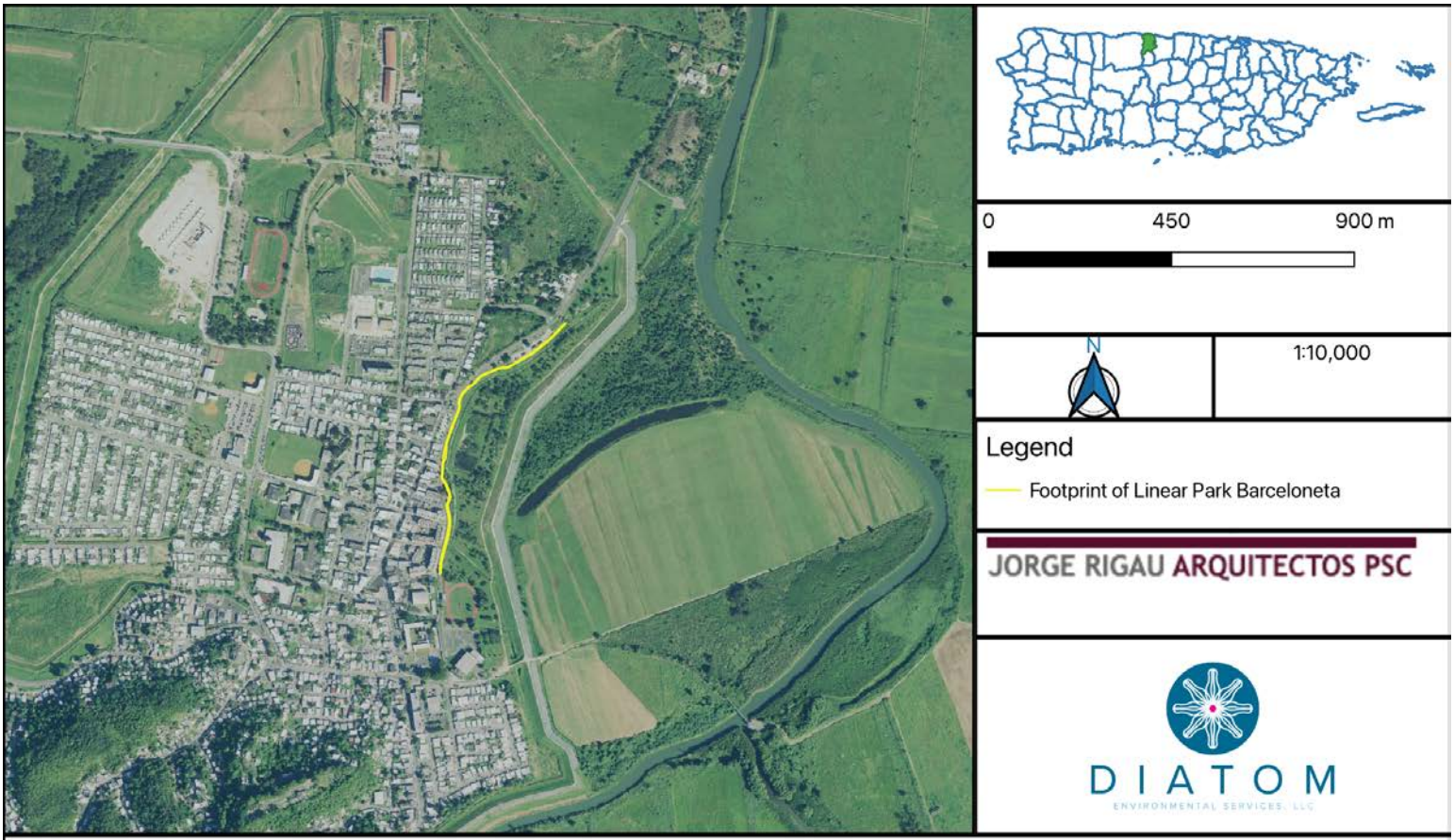
Figure 1: General Site Over Aerial Photograph (1:20,000)



GENERAL SITE MAP
PARQUE LINEAL JUAN DE LA TORRE - BARCELONETA PR-CRP-000541

SCALE 1:20,000
IMAGERY SOURCE: NOAA

Figure 2: General Site Over Aerial Photograph (1:10,000)



GENERAL SITE MAP
PARQUE LINEAL JUAN DE LA TORRE - BARCELONETA PR-CRP-000541

SCALE 1:10,000
IMAGERY SOURCE: NOAA

Figure 3: Paseo Lineal Layout (1:3,000)

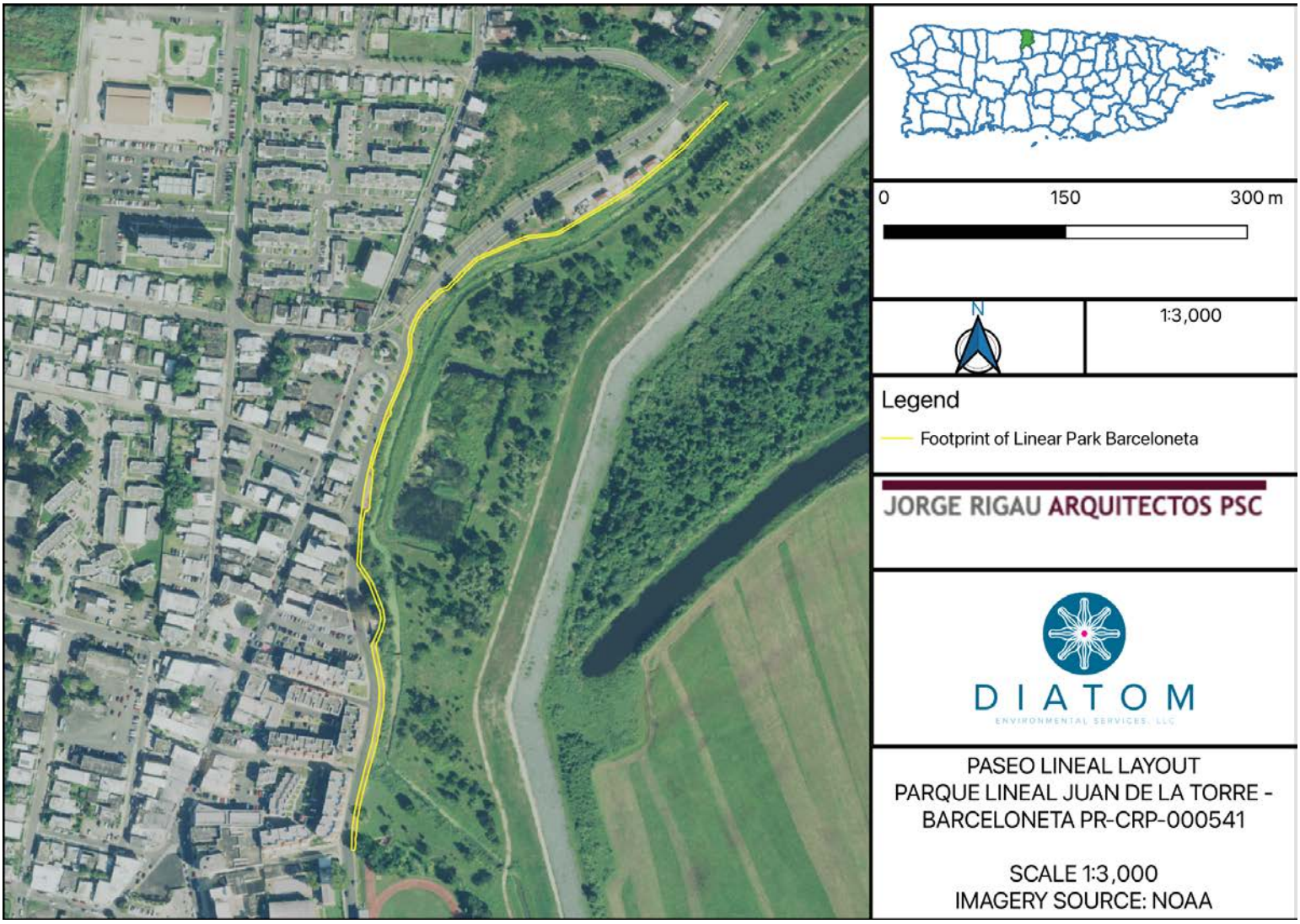


Figure 4: Paseo Lineal Layout (1:6,000)

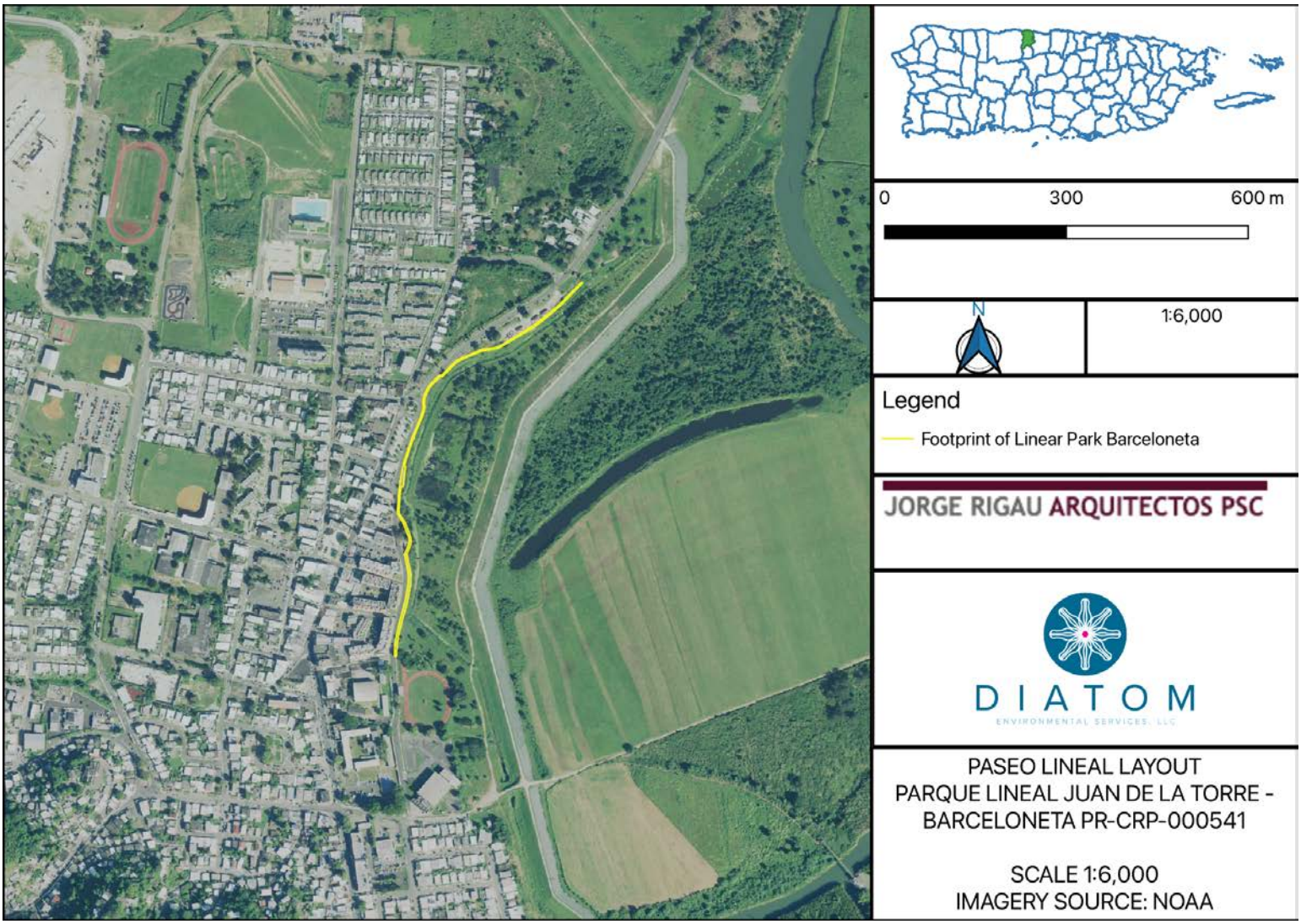


Figure 5: Hydro*logy* Map

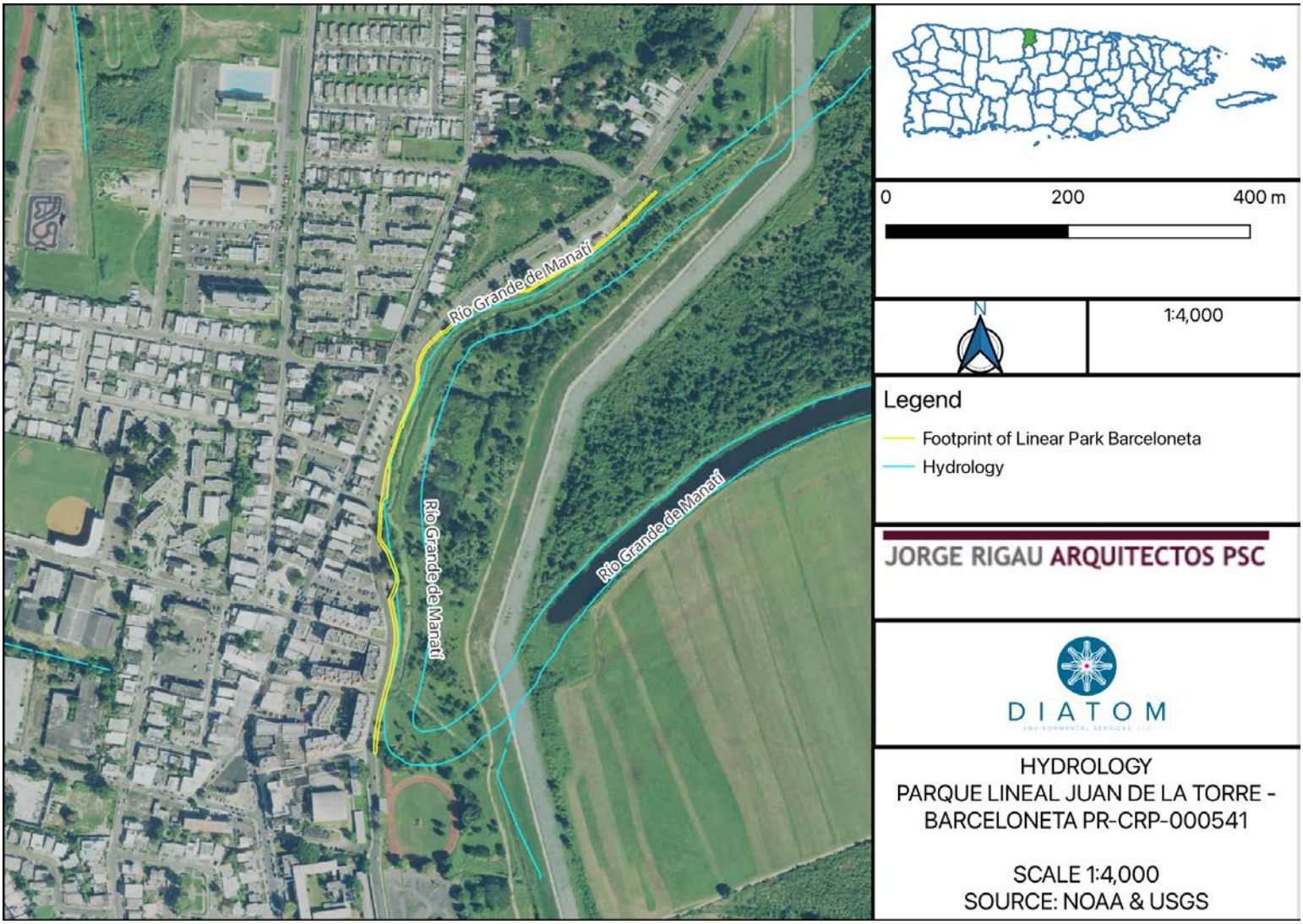


Figure 6: Soils along the proposed area for the Paseo Lineal Juan de la Torre

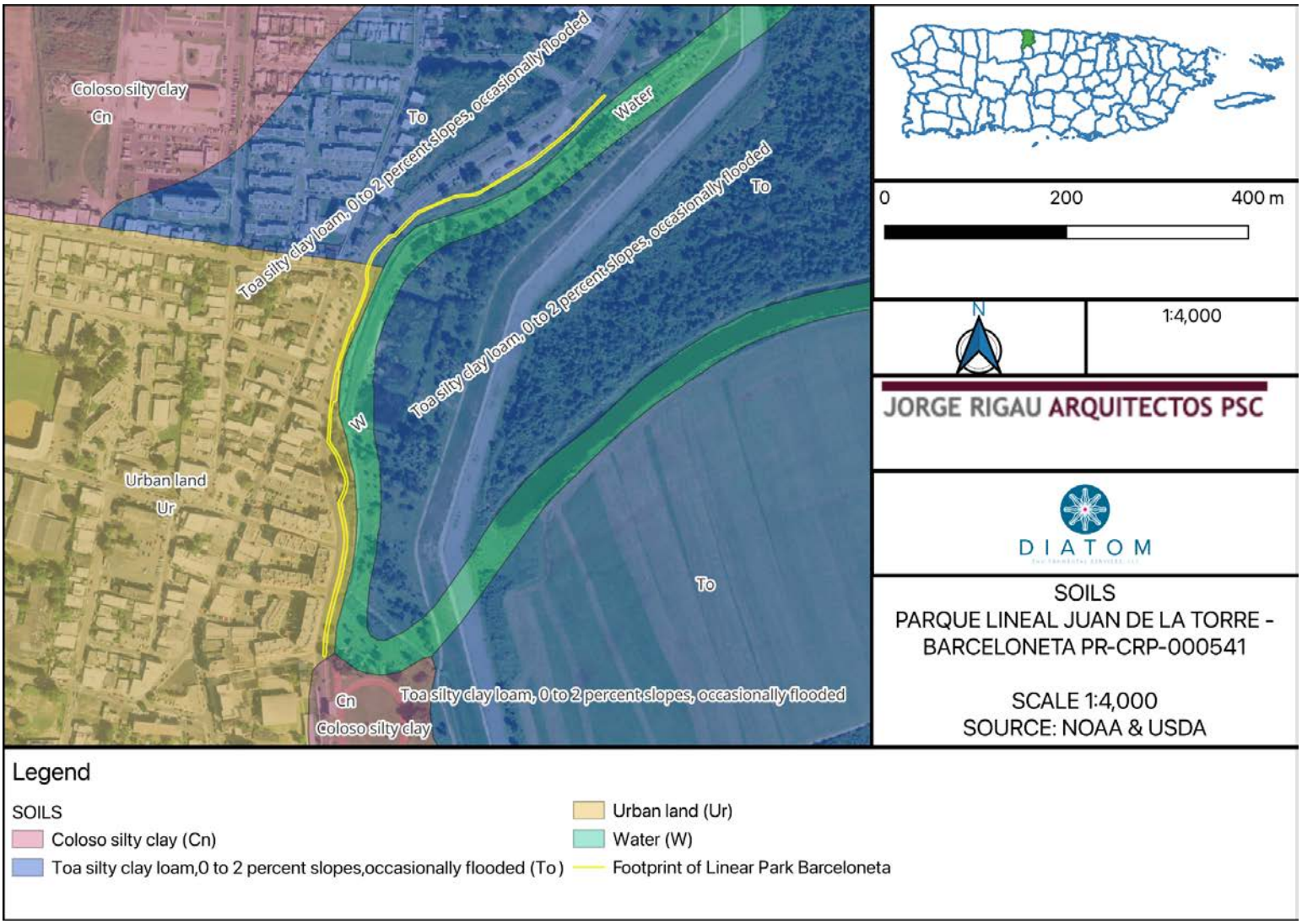


Figure 7: National Wetlands Inventory along the Barceloneta Paseo Lineal Juan de la Torre

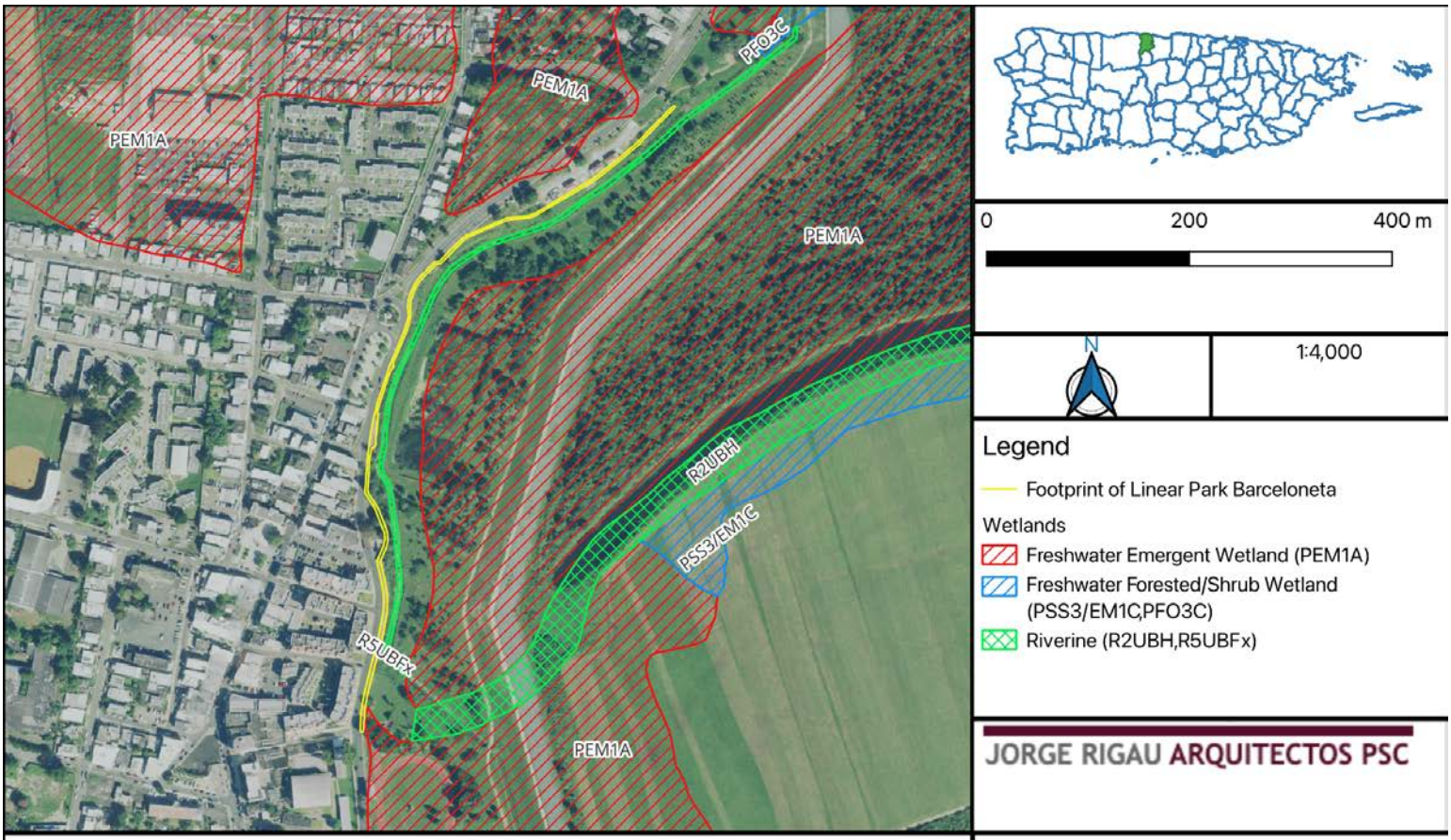
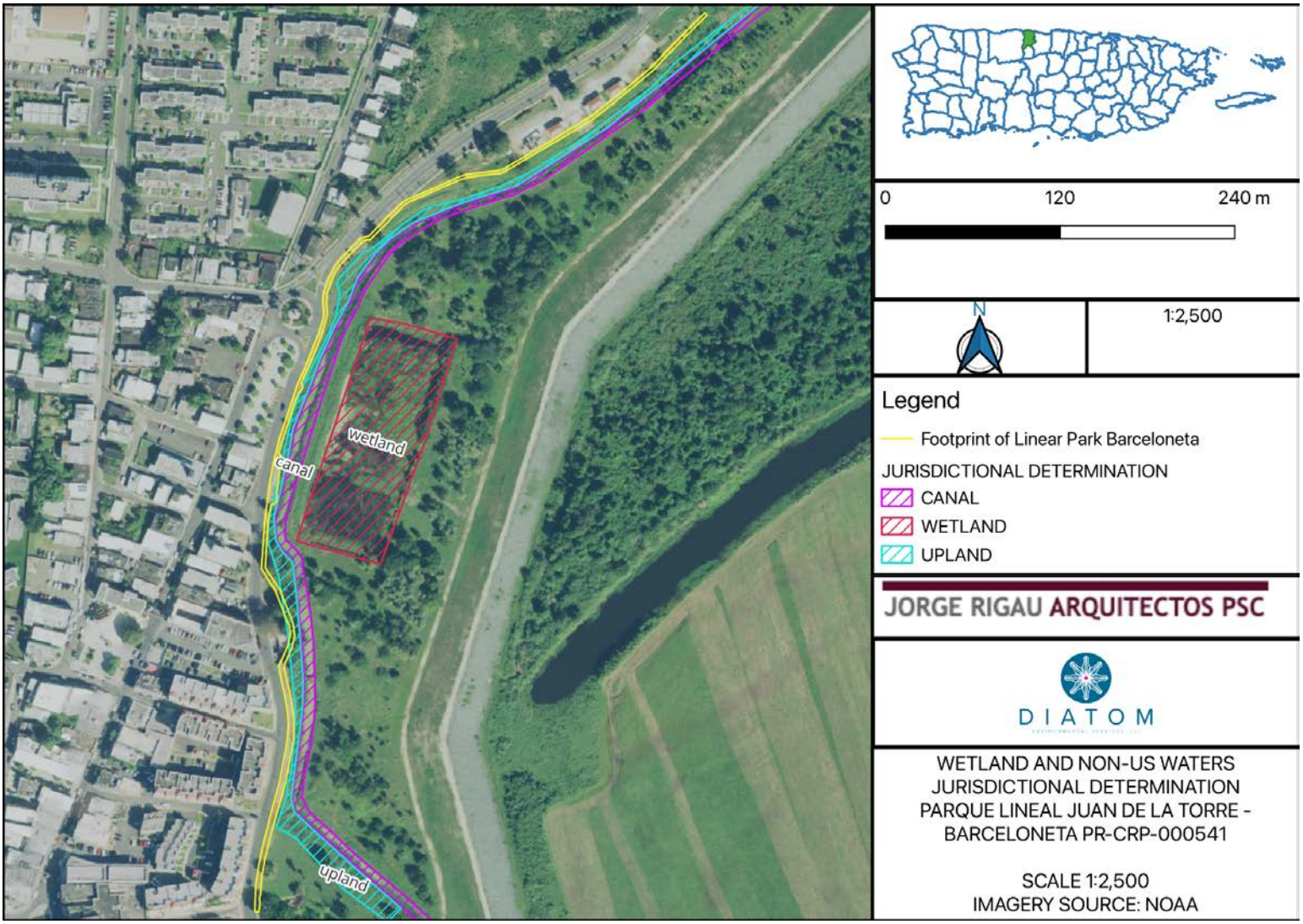


Figure 8: Wetlands and Non-U.S. Waters Jurisdictional Determination Map



Appendix B: Photographic Documentation

Photo 1 Sampling Point 01 general area

Photo 2 Sampling Point 01 soil pit – restrictive layer

Photo 3 Sampling Point 02 Soil pit

Photo 4 Sampling Point 02 general area

Photo 5 Sampling Point 03 Soil Pit

Photo 6 Sampling Point 03 general area

Photo 7 Sampling Point 04 No Sampling Pit – View of the existing pond

Photo 8 Sampling Point 04 General Area

Appendix C: Data Forms

WETLAND DETERMINATION DATA FORM – Caribbean Islands Region

Project/Site: Paseo Lineal Juan de la Torre Municipality/Town: Barceloneta Sampling Date: 11/2/2024
Applicant/Owner: Municipality of Barceloneta PR or USVI: PR Sampling Point: SP02
Investigator(s): Javier Vélez Arocho-Diatom Environmental Services, LLC Ward/Estate: Pueblo
Landform (hillslope, terrace, etc.): Terrace / footslope Local relief (concave, convex, none): none Slope (%): 0-2%
Lat: 18.455951 Long: -66.537528 Datum: State Plane, NAD 83
Soil Map Unit Name: UL/Cn NWI classification: R2HUB/PEM1A
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
Are Vegetation Yes, Soil Yes, or Hydrology Yes significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐
Are Vegetation No, Soil No, or Hydrology No naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☐	No ☑	**Is the Sampled Area within a Wetland?** Yes ☐ No ☑
Hydric Soil Present?	Yes ☐	No ☑	
Wetland Hydrology Present?	Yes ☐	No ☑	

Remarks:
Sampling point is located within a herbaceous area east of the existing channel.

VEGETATION – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status
Tree Stratum (Plot size: 30 feet radius)			
1. No trees present	10%		FACU
2.			FACU
3.			
4.			
5.			
	0%	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 feet radius)			
1. No shrubs present			
2.			
3.			
4.			
5.			
	0%	= Total Cover	
Herb Stratum (Plot size: 5 feet radius)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	4%	= Total Cover	
Woody Vine Stratum (Plot size: 30 feet radius)			
1.			
2.			
3.			
4.			
		= Total Cover	

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
Total Number of Dominant Species Across All Strata: 0 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A = N/A

Hydrophytic Vegetation Indicators:
☐ Rapid Test for Hydrophytic Vegetation
☐ Dominance Test is >50%
☐ Prevalence Index is ≤3.0[1]
☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ☐ No ☑

Remarks:
The 2016 Wetland Plant List was used to determine indicator status.

US Army Corps of Engineers — Caribbean Islands Region – Interim Version

SOIL Sampling Point: PNE-EC 001

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-12	10YR 3/3	100%						

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Organic Bodies (A6)
- ☐ 5 cm Mucky Mineral (A7)
- ☐ Muck Presence (A8)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ Stratified Layers (A5)
- ☑ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: N/A

Depth (inches): N/A

Hydric Soil Present? Yes ☐ No ☑

Remarks:

No hydric soil indicators were found at this sampling point.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Fiddler Crab Burrows (C10)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Dry-Season Water Table (C2)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☑ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ☐ No ☑ Depth (inches):

Water Table Present? Yes ☐ No ☑ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☑ Depth (inches):

Wetland Hydrology Present? Yes ☐ No ☑

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

No wetland hydrology indicators were found at this sampling point.

US Army Corps of Engineers Caribbean Islands Region – Interim Version

WETLAND DETERMINATION DATA FORM – Caribbean Islands Region

Project/Site: Paseo Lineal Juan de la Torre Municipality/Town: Barceloneta Sampling Date: 11/2/2024
Applicant/Owner: Municipality of Barceloneta PR or USVI: PR Sampling Point: SP03
Investigator(s): Javier Vélez Arocho-Diatom Environmental Services, LLC Ward/Estate: Pueblo
Landform (hillslope, terrace, etc.): Terrace / footslope Local relief (concave, convex, none): none Slope (%): 0-2%
Lat: 18.455891 Long: -66.537521 Datum: State Plane, NAD 83
Soil Map Unit Name: UL/Cn NWI classification: R2HUB/PEM1A
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
Are Vegetation Yes, Soil Yes, or Hydrology Yes significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐
Are Vegetation No, Soil No, or Hydrology No naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☐	No ☑	**Is the Sampled Area within a Wetland?** Yes ☐ No ☑
Hydric Soil Present?	Yes ☐	No ☑	
Wetland Hydrology Present?	Yes ☐	No ☑	

Remarks:
Sampling point is located within a herbaceous area east of the existing channel.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30 feet radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. No trees present	10%		FACU
2.			FACU
3.			
4.			
5.			
	0%	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 feet radius)			
1. No shrubs present			
2.			
3.			
4.			
5.			
	0%	= Total Cover	
Herb Stratum (Plot size: 5 feet radius)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	4%	= Total Cover	
Woody Vine Stratum (Plot size: 30 feet radius)			
1.			
2.			
3.			
4.			
		= Total Cover	

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
Total Number of Dominant Species Across All Strata: 0 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A = N/A

Hydrophytic Vegetation Indicators:
☐ Rapid Test for Hydrophytic Vegetation
☐ Dominance Test is >50%
☐ Prevalence Index is ≤3.0[1]
☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ☐ No ☑

Remarks:
The 2016 Wetland Plant List was used to determine indicator status.

US Army Corps of Engineers Caribbean Islands Region – Interim Version

SOIL Sampling Point: PNE-EC 001

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-1"	10YR 3/2	100%					Agregga	Restrictive Layer at 1" deep

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Organic Bodies (A6)
- ☐ 5 cm Mucky Mineral (A7)
- ☐ Muck Presence (A8)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ Stratified Layers (A5)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Aggregate Consolidated

Depth (inches): 1

Hydric Soil Present? Yes ☐ No ☑

Remarks:

No hydric soil indicators were found at this sampling point.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Fiddler Crab Burrows (C10)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Dry-Season Water Table (C2)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☑ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ☐ No ☑ Depth (inches): _____

Water Table Present? Yes ☐ No ☑ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ☐ No ☑ Depth (inches): _____

Wetland Hydrology Present? Yes ☐ No ☑

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

No wetland hydrology indicators were found at this sampling point.

US Army Corps of Engineers — Caribbean Islands Region – Interim Version

WETLAND DETERMINATION DATA FORM – Caribbean Islands Region

Project/Site: Paseo Lineal Juan de la Torre | Municipality/Town: Barceloneta | Sampling Date: 11/2/2024
Applicant/Owner: Municipality of Barceloneta | PR or USVI: PR | Sampling Point: SP04
Investigator(s): Javier Vélez Arocho-Diatom Environmental Services, LLC | Ward/Estate: Pueblo
Landform (hillslope, terrace, etc.): Terrace / footslope | Local relief (concave, convex, none): none | Slope (%): 0-2%
Lat: 18.455891 | Long: -66.537521 | Datum: State Plane, NAD 83
Soil Map Unit Name: UL/Cn | NWI classification: R2HUB/PEM1A
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
Are Vegetation Yes, Soil Yes, or Hydrology Yes significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐
Are Vegetation No, Soil No, or Hydrology No naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☑ No ☐	**Is the Sampled Area within a Wetland?** Yes ☑ No ☐
Hydric Soil Present?	Yes ☑ No ☐	
Wetland Hydrology Present?	Yes ☑ No ☐	

Remarks:
Sampling point is located within a Transition Area right before the man-made pond.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30 feet radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. No trees present	10%		FACU
2.			FACU
3.			
4.			
5.			
	0% = Total Cover		
Sapling/Shrub Stratum (Plot size: 15 feet radius)			
1. No shrubs present			
2.			
3.			
4.			
5.			
	0% = Total Cover		
Herb Stratum (Plot size: 5 feet radius)			
1. Paspalum fasciculatum	2		
2. Typha domingensis	2		
3.			
4.			
5.			
6.			
7.			
8.			
	4% = Total Cover		
Woody Vine Stratum (Plot size: 30 feet radius)			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
Total Number of Dominant Species Across All Strata: 0 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A = N/A

Hydrophytic Vegetation Indicators:
☐ Rapid Test for Hydrophytic Vegetation
☐ Dominance Test is >50%
☐ Prevalence Index is ≤3.0[1]
☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ☑ No ☐

Remarks:
The 2016 Wetland Plant List was used to determine indicator status.

US Army Corps of Engineers | Caribbean Islands Region – Interim Version

SOIL

Sampling Point: PNE-EC 001

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Redox Features Type[1]	Redox Features Loc[2]	Texture	Remarks
13"	10YR 4/3	100%					Agregga	This area is outside of project site

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- [x] Histosol (A1)
- [ ] Histic Epipedon (A2)
- [ ] Black Histic (A3)
- [ ] Hydrogen Sulfide (A4)
- [x] Organic Bodies (A6)
- [ ] 5 cm Mucky Mineral (A7)
- [ ] Muck Presence (A8)
- [ ] Depleted Below Dark Surface (A11)
- [ ] Thick Dark Surface (A12)
- [ ] Sandy Gleyed Matrix (S4)
- [ ] Sandy Redox (S5)
- [ ] Stripped Matrix (S6)
- [ ] Dark Surface (S7)
- [ ] Loamy Gleyed Matrix (F2)
- [ ] Depleted Matrix (F3)
- [ ] Redox Dark Surface (F6)
- [ ] Depleted Dark Surface (F7)
- [ ] Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- [ ] Stratified Layers (A5)
- [ ] Very Shallow Dark Surface (TF12)
- [ ] Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: N/A

Depth (inches): _____

Hydric Soil Present? Yes [x] No [ ]

Remarks:

Hydric soil indicators were found at this sampling point. Outside of working area. Organic material covering the soil.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- [ ] Surface Water (A1)
- [ ] High Water Table (A2)
- [ ] Saturation (A3)
- [ ] Water Marks (B1)
- [ ] Sediment Deposits (B2)
- [ ] Drift Deposits (B3)
- [ ] Algal Mat or Crust (B4)
- [ ] Iron Deposits (B5)
- [ ] Inundation Visible on Aerial Imagery (B7)
- [ ] Water-Stained Leaves (B9)
- [ ] Aquatic Fauna (B13)
- [ ] Hydrogen Sulfide Odor (C1)
- [ ] Oxidized Rhizospheres on Living Roots (C3)
- [ ] Presence of Reduced Iron (C4)
- [ ] Recent Iron Reduction in Tilled Soils (C6)
- [ ] Thin Muck Surface (C7)
- [ ] Fiddler Crab Burrows (C10)
- [ ] Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- [ ] Surface Soil Cracks (B6)
- [ ] Sparsely Vegetated Concave Surface (B8)
- [ ] Drainage Patterns (B10)
- [ ] Dry-Season Water Table (C2)
- [ ] Saturation Visible on Aerial Imagery (C9)
- [ ] Geomorphic Position (D2)
- [ ] Shallow Aquitard (D3)
- [x] FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes [ ] No [x] Depth (inches): _____

Water Table Present? Yes [ ] No [x] Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes [x] No [ ] Depth (inches): _____

Wetland Hydrology Present? Yes [x] No [ ]

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

This sampling point was close to the existing pond. The site is east of the proposed area.

US Army Corps of Engineers — Caribbean Islands Region – Interim Version

WETLAND DETERMINATION DATA FORM – Caribbean Islands Region

Project/Site: Paseo Lineal Juan de la Torre | Municipality/Town: Barceloneta | Sampling Date: 11/2/2024

Applicant/Owner: Municipality of Barceloneta | PR or USVI: PR | Sampling Point: SP16

Investigator(s): Javier Vélez Arocho-Diatom Environmental Services, LLC | Ward/Estate: Pueblo

Landform (hillslope, terrace, etc.): Terrace / footslope | Local relief (concave, convex, none): none | Slope (%): 0-2%

Lat: 18.456979 | Long: -66.537252 | Datum: State Plane, NAD 83

Soil Map Unit Name: UL/Cn | NWI classification: R2HUB/PEM1A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation Yes, Soil Yes, or Hydrology Yes significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐

Are Vegetation No, Soil No, or Hydrology No naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☑ No ☑	**Is the Sampled Area within a Wetland?** Yes ☐ No ☑
Hydric Soil Present?	Yes ☑ No ☑	
Wetland Hydrology Present?	Yes ☑ No ☑	

Remarks:

Sampling point is located within the proposed site and the existing channel.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30 feet radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. No trees present	10%		FACU
2.			FACU
3.			
4.			
5.			
	0%	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 feet radius)			
1. No shrubs present			
2.			
3.			
4.			
5.			
	0%	= Total Cover	
Herb Stratum (Plot size: 5 feet radius)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	0%	= Total Cover	
Woody Vine Stratum (Plot size: 30 feet radius)			
1.			
2.			
3.			
4.			
	0%	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 0 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A = N/A

Hydrophytic Vegetation Indicators:

- ☐ Rapid Test for Hydrophytic Vegetation
- ☐ Dominance Test is >50%
- ☐ Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ☐ No ☑

Remarks:

The 2016 Wetland Plant List was used to determine indicator status.

US Army Corps of Engineers — Caribbean Islands Region – Interim Version

SOIL

Sampling Point: PNE-EC 001

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
1		0					Agregga	This area is within the proposed site

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Organic Bodies (A6)
- ☐ 5 cm Mucky Mineral (A7)
- ☐ Muck Presence (A8)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ Stratified Layers (A5)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Rock, and aggregates

Depth (inches): 2

Hydric Soil Present? Yes ☐ No ☑

Remarks:

Hydric soil indicators were not found at this sampling point.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Fiddler Crab Burrows (C10)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Dry-Season Water Table (C2)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☑ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ☐ No ☑ Depth (inches): _____

Water Table Present? Yes ☐ No ☑ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ☐ No ☑ Depth (inches): _____

Wetland Hydrology Present? Yes ☐ No ☑

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The sampling point was right next to the proposed site. This area is made of rock revetment.

US Army Corps of Engineers — Caribbean Islands Region – Interim Version

Attachment 3: National Wetland Inventory (NWI) maps for the approximate locations of the North and South platforms

U.S. Fish and Wildlife Service
National Wetlands Inventory

PR-CRP-000541 Barceloneta

June 27, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

U.S. Fish and Wildlife Service
National Wetlands Inventory

PR-CRP-000541 Barceloneta

June 28, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Attachment 4: Photos of the areas adjacent to platforms and along the linear walkway.

PR-CRP-000541 Barceloneta – Photos of site conditions

Photos obtained during Wetland inspection in the areas adjacent to the linear park (taken on 11/2/2024).

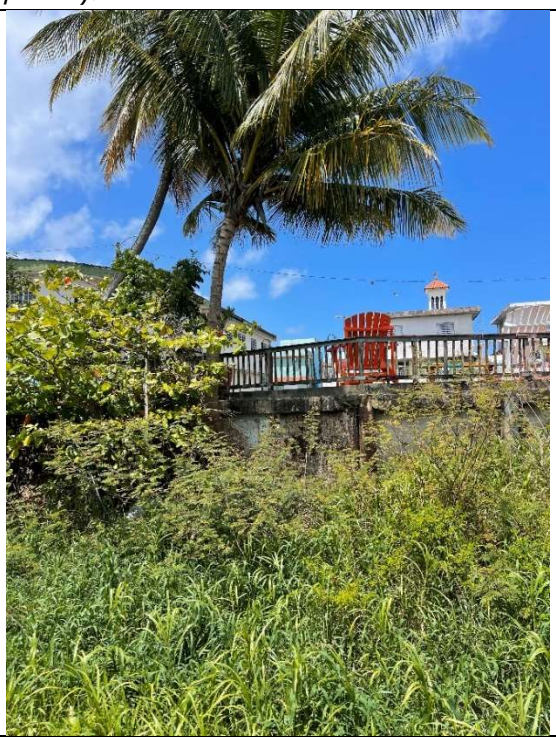


Photo facing West near the area where sampling point 01 and 03 were located.	View of existing walkway, facing West, near to location of proposed North Platform.
View of existing walkway at an elevated area from the ground, facing SouthWest.	Photo showing upland areas in the northern part of the linear park. The photo was taken facing south; exiting areas of the walkway are to the right of the photo.

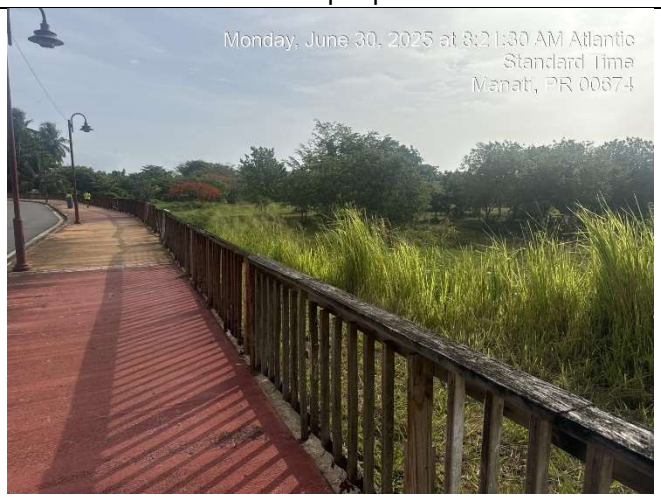
Photos where the proposed North Platform will be located (taken 6/30/2025).

The area where the North Platform will be located, facing North, and showing the vegetation to the East (on the right of the photo).

Area where the North Platform will be located, facing South, and showing the vegetation to the East (on the left of the photo).

View from the location where the North Platform will be located, facing East, showing a man-made stormwater channel and the retention pond further to the East. The new platform will extend some 20 feet from the existing sidewalk but will not impact or alter the storm water channel or the pond.

Photos where the proposed South Platform will be located (taken 6/30/2025).



Area where the South Platform will be located, facing North, and showing the vegetation to the East (on the right of the photo)

Area where the South Platform will be located, facing South, and showing the vegetation to the East (on the left of the photo)

View from the location where the South Platform will be located, facing East, showing overgrown grass and man-made storm water channel beyond. The proposed platform will extend some 20 feet from the existing sidewalk but will not impact or alter the storm water channel (pond is not visible from this area).

Attachment 5: Soil Maps

Map Scale: 1:5,830 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 50 100 200 300

Feet
0 250 500 1000 1500

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 19N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Arecibo Area, Puerto Rico Northern Part
Survey Area Data: Version 20, Sep 10, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 23, 2022—Mar 1, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Cn	Coloso silty clay, 0 to 2 percent slopes, occasionally flooded	22.6	14.3%
To	Toa silty clay loam, 0 to 2 percent slopes, occasionally flooded	97.4	61.6%
Ul	Urban land	26.5	16.8%
W	Water	11.5	7.3%
Totals for Area of Interest		**158.0**	**100.0%**

Soil Map—Arecibo Area, Puerto Rico Northern Part
(PR-CRP-000541 Soil Map)

Map Scale: 1:5,260 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 50 100 200 300

Feet
0 250 500 1000 1500

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 19N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Arecibo Area, Puerto Rico Northern Part
Survey Area Data: Version 20, Sep 10, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

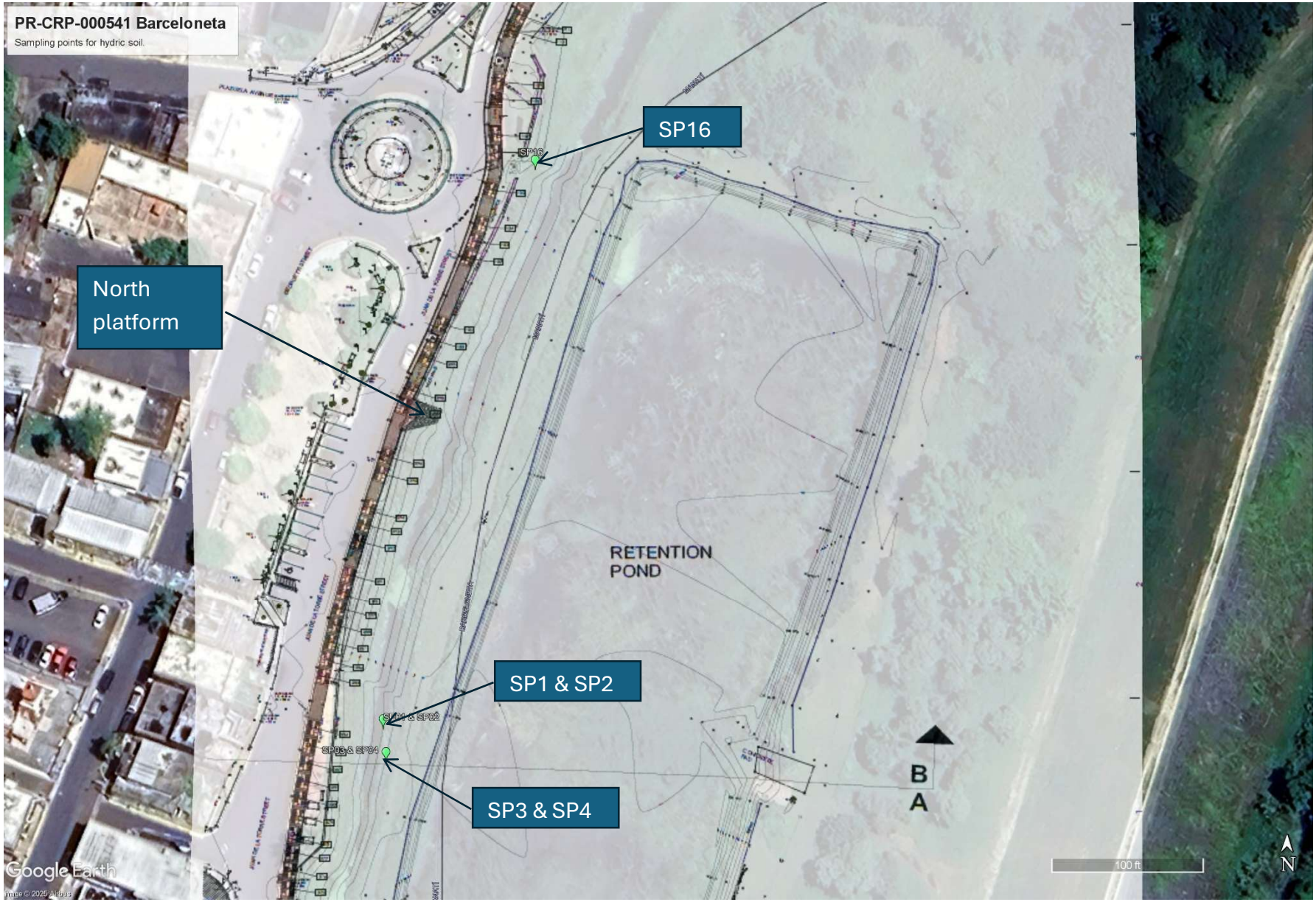
Date(s) aerial images were photographed: Jan 23, 2022—Mar 1, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Cn	Coloso silty clay, 0 to 2 percent slopes, occasionally flooded	2.7	2.1%
To	Toa silty clay loam, 0 to 2 percent slopes, occasionally flooded	53.6	41.1%
Ul	Urban land	65.4	50.2%
W	Water	8.6	6.6%
Totals for Area of Interest		**130.4**	**100.0%**

Attachment 6: Map Aerial images show of Sampling Points locations


PR-CRP-000541 Barceloneta
Sampling points for hydric soil.
SP16
North platform
RETENTION POND
SP1 & SP2
SP3 & SP4
B
A
100 ft
N
Google Earth

Attachment 8:
Topographic Map

FIGURE 1A-TOPO

AVE

CALLE B

CALLE C

684

Municipio
de Barceloneta

USGS - topobuilder.nationalmap.gov

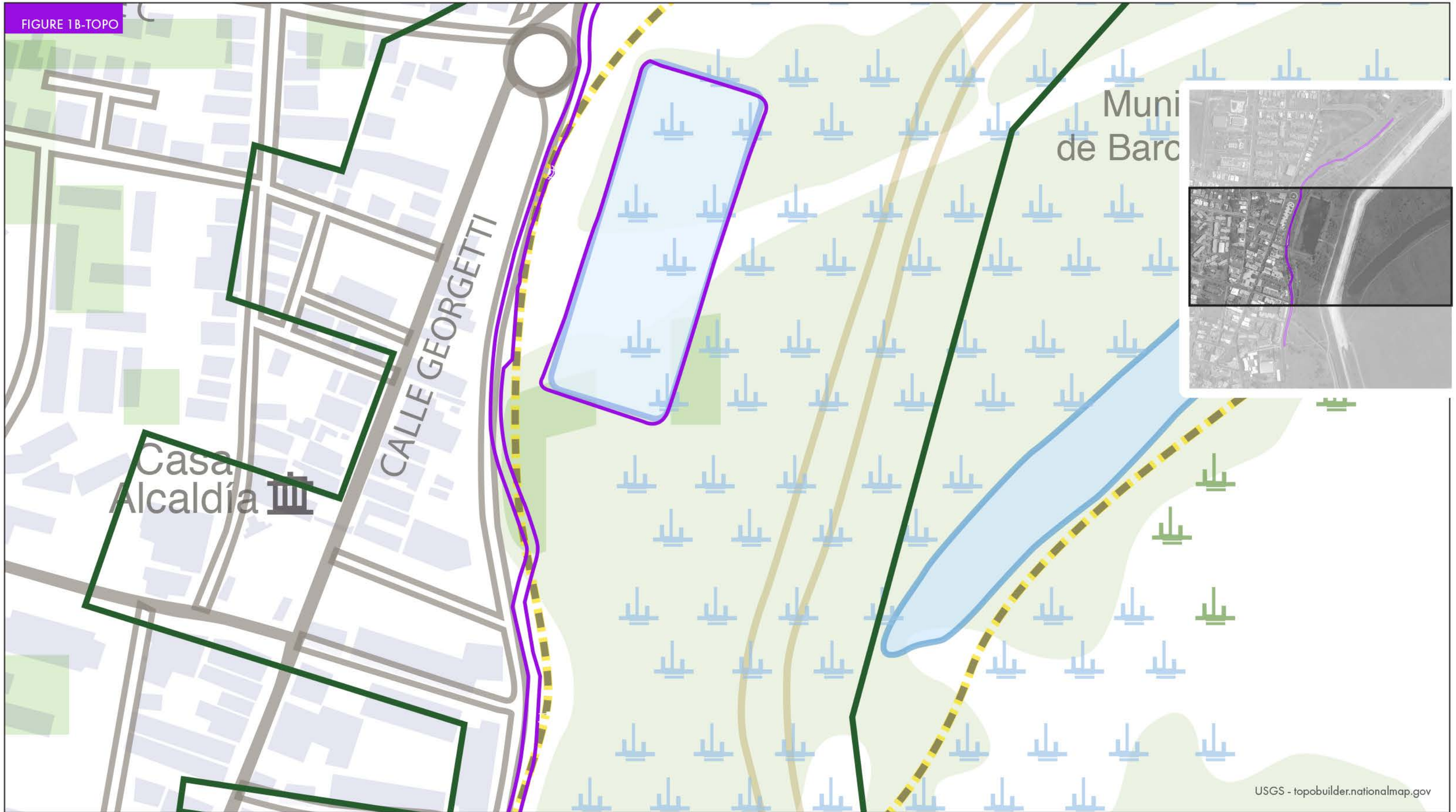
0 460 Feet

Project (Parcel) Location - Area of Potential Effects - Topographic Map
(Num. 1 of 3 maps)

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

Area of Potential Effects
Project Location

FIGURE 1B-TOPO



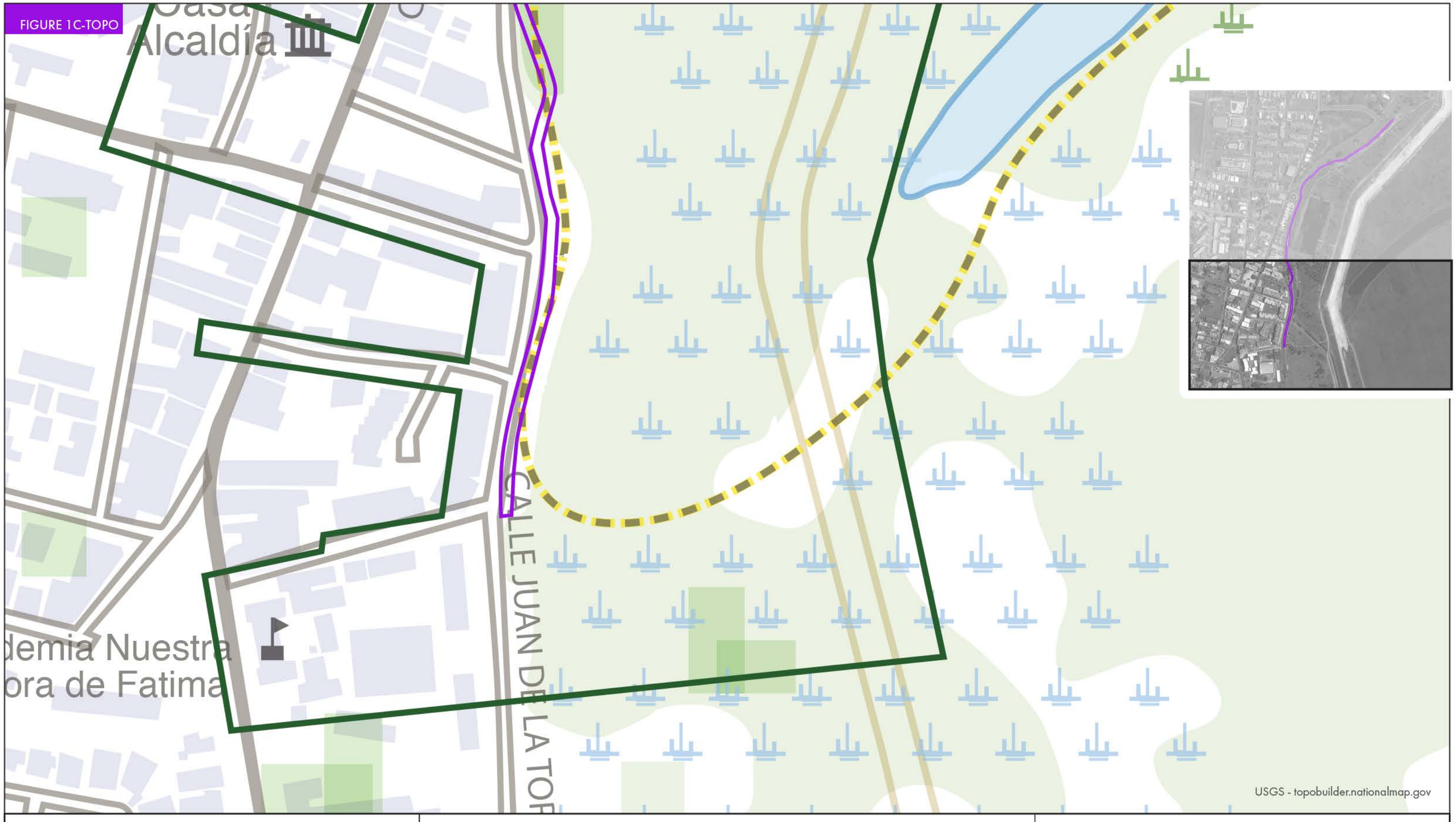
0 460 Feet

Project (Parcel) Location - Area of Potential Effects - Topographic Map
(Num. 2 of 3 maps)

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

Area of Potential Effects
Project Location

FIGURE 1C-TOPO



0 460 Feet

Project (Parcel) Location - Area of Potential Effects - Topographic Map
(Num. 3 of 3 maps)

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

Area of Potential Effects
Project Location

Attachment M:
Historic Preservation

GOVERNMENT OF PUERTO RICO
STATE HISTORIC PRESERVATION OFFICE
Executive Director | Carlos A. Rubio Cancela | carubio@prshpo.pr.gov

Wednesday, August 21, 2024

Lauren B Poche

269 Avenida Ponce de León, San Juan, PR, 00917

SHPO-CF-07-25-24-05 PR-CRP-000541 (Barceloneta), Paseo Juan de la Torre

Dear Ms. Poche,
Our Office has received and reviewed the above referenced project in accordance with 54 USC 306108 (commonly known as Section 106 of the National Historic Preservation Act, as amended) and 36 CFR Part 800: Protection of Historic Properties from the Advisory Council on Historic Preservation. The State Historic Preservation Officer (SHPO) is to advise and assist federal agencies and other responsible entities when identifying historic properties, assessing effects upon them, and considering alternatives to avoid or reduce the project's effects.
Our records support your finding of no historic properties affected within the project's area of potential effects.
Please note that should the Agency discover other historic properties at any point during project implementation, you should notify the SHPO immediately. If you have any questions concerning our comments, do not hesitate to contact our Office.

Sincerely,

Carlos A. Rubio Cancela

State Historic Preservation Officer
CARC/GMO/ OJR

GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

April 30, 2024

Arch. Carlos A. Rubio Cancela
Executive Director
Puerto Rico State Historic Preservation Office
Cuartel de Ballajá, Third Floor
San Juan, Puerto Rico 00901

Re: Authorization to Submit Documents for Consultation

Dear Arch. Rubio Cancela,

The U.S. Department of Housing (HUD) approved the allocations of Community Development Block Grant (CDBG-DR) funds on February 9, 2018. It also approved the allocation of Community Development Block Grant Mitigation (CDBG-MIT) funds on January 27, 2020. The purpose of these allocations is to address unsatisfied needs as a result of Hurricanes Irma and Maria in September 2017; and to carry out strategic and high-impact activities to mitigate disaster risks and reduce future losses.

To comply with the environmental requirements established by HUD, the Department of Housing of Puerto Rico (PRDOH) contracted Horne Federal LLC to provide environmental review services, among others, that will support the objectives of the agenda for both CDBG-DR and CDBG -MIT Programs.

To expedite the processes, Horne Federal LLC, is authorized to submit to the State Historic Preservation Officer, documentation of projects related to both the CDBG-DR and CDBG-MIT on behalf of PRDOH.

Cordially,

Aldo A. Rivera Vázquez, PE
Director
Division of Environmental Permitting and Compliance
Office of Disaster Recovery

July 25, 2024

Carlos A. Rubio Cancela
State Historic Preservation Officer
Puerto Rico State Historic Preservation Office
Cuartel de Ballajá (Tercer Piso)
San Juan, PR 00902-3935

Puerto Rico Disaster Recovery, CDBG-DR City Revitalization (City-Rev) Program

Section 106 NHPA Effect Determination Submittal for PR-CRP-000541, Paseo Juan de la Torre Project, Barceloneta, Puerto Rico – *No Historic Properties Affected*

Dear Architect Rubio Cancela,

On February 9, 2018, an allocation of Community Development Block Grant - Disaster Recovery (CDBG-DR) funds was approved by the United States Department of Housing and Urban Development (HUD) under the Federal Register Volume 83, No. 28, 83 FR 5844, to assist the Commonwealth of Puerto Rico in meeting unmet needs in the wake of Hurricanes Irma and Maria. On August 14, 2018, an additional $8.22 billion recovery allocation was allocated to Puerto Rico under the Federal Register Volume 83, No. 157, 83 FR 40314. With these funding allocations, the Puerto Rico Department of Housing (PRDOH) aims to lead a comprehensive and transparent recovery for the benefit of Puerto Rico residents. To faithfully comply with HUD's environmental requirements, the Puerto Rico Department of Housing contracted Horne Federal, LLC (HORNE) to provide environmental records review services that will support the objectives of the Puerto Rico Department of Housing (PRDOH) for the CDBG-DR funding.

On behalf of PRDOH, we are submitting documentation for the proposed Paseo Juan de la Torre Project in the municipality of Barceloneta. The proposed undertaking consists of renovations to the existing Paseo, which originally completed construction in 2009. Over the years, the paseo has fallen into disrepair. For example, along its eastern edge is a wood balustrade that has deteriorated and is missing several sections, there are few lampposts present, and urban furniture is lacking. The proposed project will address safety concerns as well as greatly improve the area visually. The included preliminary designs maintain the present alignment of the paved surface and includes two platforms (one existing and one new) projecting towards the east as viewing platforms. Granite curbing will be installed along the paseo for resiliency. Along the eastern side of the paseo, a new decorative balustrade with incorporated LED lighting will be installed as well as new lamp posts. Finally, additional elements will be installed such as sculptural benches, interpretative elements, and a commemorative sculpture of the mural that was installed in the old pineapple juice Lotus Factory (demolished). The full scope of the project is described in the submitted documentation, which includes mapping, photographs, and the preliminary design plans.

Based on the provided documentation, the Program has determined that **no historic properties affected** is appropriate for the proposed undertaking. We look forward to your comments and feedback on the proposed project.

If you have any questions or concerns, please contact me by email at lauren.poche@horne.com or phone at 225-405-7676. As always, thank you for your assistance and we look foward to your response.

Kindest regards,

Lauren Bair Poche. M.A.
Architectural Historian, EHP Senior Manager
Attachments

PR-CRP-000541

Paseo Juan de la Torre Project

Barceloneta, Puerto Rico

Section 106 Effect Determination Form

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination	
Subrecipient: Municipio de Barceloneta	
Project Name: Paseo Juan de la Torre, Barceloneta, Puerto Rico	**Project ID: PR-CRP-000541**

Project Location: Juan de la Torre Street (no number assigned), Barceloneta, Puerto Rico	
Project Coordinates: N Lat 18.458943, Long -66.534843 S Lat 18.453635, Long -66.537689	
TPID (Número de Catastro)**:** No number assigned	
Type of Undertaking: ☒ Substantial Repair ☐ New Construction	
Construction Date: 2009	**Property Size** (acres): 0.601 acre

SOI-Qualified Architect/Architectural Historian: Ms Berenice R Sueiro-Vázquez, Dr Arleen Pabón-Charneco	
Date Reviewed: April-May 2024	
SOI-Qualified Archaeologist:	Dr Karen Anderson-Córdova
Date Reviewed: April-May 2024	

In compliance with Section 106 of the National Historic Preservation Act (NHPA), the Program is responsible for identifying historic properties listed in the National Register of Historic Places (NRHP) and any properties not listed that would be considered eligible for listing that are located within the geographic area of potential effects (APE) of the proposed project and assessing the potential effects of its undertakings on these historic properties.

Project Description (Undertaking)

The Municipality of Barceloneta, assisted by the Puerto Rico Department of Housing (Departamento de la Vivienda de Puerto Rico) (PRDOH) and the Puerto Rico 2017 Disaster Recovery, CDBG-DR Program City Revitalization Program (Programa de Revitalización de la Ciudad del Gobierno Federal) (CITY-REV), proposes to rehabilitate the Paseo Juan de la Torre (Paseo) in Barceloneta which runs for approximately 2,624.67 feet (800 meters) from north to south and borders the old shore of the Manatí River. (See "Project Paseo Juan de la Torre, Barceloneta, Puerto Rico Architectural Design Plans.") With an average width of 12 feet (3.65 meters), the Paseo covers an area of 26,180 square feet (2,432.20 square meters). Completed in the year 2009, the Paseo has undergone changes. As a result, it depicts several kinds of paving. Sections of the pavement are missing and the protective balustrade-like barrier on the east border is missing in many parts. The project includes installing a liner on the man-made pond to the east of the Paseo.

The Paseo is formed by a sidewalk-like surface that is higher than the adjacent road. At present, some sections are paved with colored cement and wood details. A continuous curb separates the Paseo from the road to the west (Juan de la Torre Street). Along the east edge of the Paseo is a wood balustrade which protects users from falling into the lower, green open area. This element is deteriorated and has several missing sections. There are several lampposts along the length of the Paseo. Mismatched urban furniture is scant. For years, the Manatí River flooded the town with disastrous consequences. This situation was controlled in the year 2004 when the USA Corps of Engineers (USACE) constructed a dike on the east side of the Paseo.

The proposed rehabilitation project solves several issues principally related to user safety. It maintains the present alignment of the paved surface and includes two platforms (north platform is existing and the south platform is new) projecting towards the east as viewing platforms. (These elements have a

combined area of 678.12 square feet or 63 square meters.) Designed as cantilevers, they are projecting elements that will be supported by reinforced concrete structural elements. Construction for the north viewing platform (which will replace the existing one) will involve the excavation of one concrete foundation that measures 5 feet-2 inches by 3 feet-6 inches by 4 feet-0 inches of which 3 feet-0 inches are buried. The south viewing platform foundation will be 3 feet-4 inches below the existing grade, with a width of 1 foot-0 inch, and will rest on a 1 foot-2 inches by 3 feet-6 inches concrete base.

The proposed project will remove 3 inches from the paving surface to be replaced by new colored concrete sections. Between these sections, prefabricated concrete elements imitating wood will be placed. The curb will be made of integrated grey granite to guarantee a long life. It is considered vital for the Paseo to be resilient since it is subjected to all sorts of collisions.

To protect the users from falling to the lower green open area on the east of the Paseo, a new balustrade will be installed along this border. This protective barrier will be constructed of flat and tube-like iron elements with reinforced concrete pillars every 23 feet (7.01 meters). The design of this balustrade recalls the Barceloneta Municipality flag. The supporting vertical elements will be made of prefabricated concrete and aggregate with a chamfered triangular top that supports interpretative plaques.

The balustrade will incorporate light LED elements. This will allow the accumulation of solar energy during the day so they can light up the Paseo during the night. There will also be illumination from lampposts. These will be placed in alternate fashion along the Paseo helping to establish two scales: human (the lowest one) and urban (the tallest one).

Along its 800 meters, the Paseo will include special elements (at times they could be provisional) that will enhance and encourage users to enjoy the walking promenade. Some of these are: sculptural benches, interpretative elements, and a commemorative sculpture of the mural that was installed in the old pineapple juice Lotus Factory (demolished), the work of Luisa Géigel Brunet, a sculptor from Puerto Rico.

Summing up, the project aims to collaborate in the cultural improvement of Barceloneta (and Puerto Rico) recreational activities by celebrating the history, art, and landscape of the country.

The construction staging site will be at the northwest area, in the Paseo Juan de la Torre parking lot, close to the Municipality's rental kiosks.

Area of Potential Effects

As defined in 36 CFR §800.16(d), the area of potential effects (APE) is the geographic area or areas within which an undertaking may directly or indirectly cause changes in the character or use of historic properties if any such properties exist. Based on this definition and the nature and scope of the Undertaking, the Program has determined that the direct effects APE is limited to the Paseo Juan de la Torre project area, where all ground disturbance (for construction of the two platforms), minimal construction (pavement replacement), installation of liner on the man-made pond, and construction staging (parking lot) will take place. (See Figures 1A, 1B, 1C, 1A – TOPO, 1B-TOPO, and 1C-TOPO.)

The visual APE viewshed of the Paseo Juan de la Torre extends approximately 75 feet to the north, 380 feet to the east, 270 feet to the south, and up to 620 feet to the farthest urban block to the west. (See Figures 2 and 2-TOPO.)

To the north and east, the indirect effects APE are open green areas. The east side includes a section of the Manatí River dike. To the south, the indirect APE borders Juan de la Torre Street, the Pista-Auditorio Sixto Escobar, and the Escuela Rafael Balseiro Maceira. On the west border of the indirect APE are the Juan de la Torre and Georgetti Streets and several urban blocks on the north – south axis. The east border extends, at its maximum, up to three urban blocks on the west-east axis. (See Figures 3A, 3B, and Photos 1 to 48 in "Photos of Visual APE.")

Identification of Historic Properties - Archaeology

Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information, was carried out by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61.)

The review included previous cultural resources surveys (Phases I and II), site survey forms, and identified historic properties within a quarter-mile area of the APE for this undertaking. The archaeological cultural resources survey reports and site survey forms, as well as the administrative project files, of both the Puerto Rico State Historic Preservation Office (PRSHPO) and the Institute of Puerto Rican Culture (IPRC) were consulted. Based on this archival survey carried out for this project, previously documented cultural resources within quarter of a mile of the proposed project were plotted on an archaeological resources map. (See Figures 4A, 4B, 4A-TOPO, and 4B-TOPO.) In addition to the aerial and topographic maps depicting previously surveyed areas, soil maps are included. (See Figures 5A and 5B.) As evident in these maps, a considerable area of the APE and the quarter mile area around it have already been surveyed as part of cultural resources compliance for the USACE Flood Control project, as well as road construction and residential developments.

A total of 11 cultural resources reports were consulted. (See a summary of these reports and their results in Table 1). These reports submitted to the PRSHPO and/or the IPRC date from 1990 to 2010. The earliest report is the 1990 cultural resources reconnaissance survey for the USACE flood control project, Río Grande de Manatí, Barceloneta which identified 11 sites, and recommended 6 of them for phase II testing. The phase II testing report was submitted in 2004. The remaining 9 cultural resources reports on file were for various housing, recreation construction projects, and highway improvement projects with negative results for the location of historic properties. The exception was a highway survey and testing project, "Ensanche de la Carretera PR-684 y Conector hasta la Avenida Conde de Caspe, Barceloneta," that relocated one of the sites previously identified as site #6 in the 1990 cultural resources survey for the USACE flood control project (PRSHPO site # BA0100006 and IPRC site # BT-35). No further cultural resources surveys are documented for the project area since 2010. It appears that all of the sites listed in the PRSHPO and IPRC inventories within this project area (with the exception of BA0100050, Hacienda Catalina) were re-located or identified during the 1990 USACE flood control project survey.

This survey noted the concentration of historic and prehistoric archaeological sites "along the higher natural terraces immediately adjacent to the river channel" and pointed out a similar pattern of site location documented in an earlier archaeological survey carried out along the Cibuco River, another river valley on the north coast of Puerto Rico (Childress, 1990:89). The location of the proposed project

area on a terrace of the Manatí River indicates a high probability for the location of buried prehistoric and historic sites.

PRSHPO/IPRC No.	SURVEY	AUTHOR	RESULTS	PRSHPO/IPRC COMMENTS
SHPO 07-01-87-01 ICP /CAT BT 90-13-06	Cultural Resource Reconnaissance, Proposed Flood Control Project Area, Río Grande de Manatí, Barceloneta, Puerto Rico, November 1990	Mitchell R. Childress	Identified 11 sites, recommended Phase II for Sites, 1, 3, 4, 5, 6, and 10.	PRSHPO concurred with recommendations for additional testing (Oct 17, 1990)
SHPO 07-10-90-04 ICP/CAT BT 04-13-07	Phase II Archaeology Evaluations, Río Grande de Manatí Flood Control Project, Barceloneta, Puerto Rico, May 24, 2004	Peter E. Siegel PhD	Site 1 was avoided. (No adverse effect). Site 3 – Not eligible to the NRHP. Site 4 a site fence to protect was recommended. Sites 3 and 4 are not within the quarter mile sector from the current project. Site 5: Not eligible to the NRHP. Site 6: not enough data to determine NRHP eligibility	PRSHPO: Letter not available.
SHPO 10-29-93-02	Fases IA-IB Estudio Recursos Culturales Proyecto Residencial Recreativo Barrio Garrochales, Barceloneta, Puerto Rico, November 10,1993	Antonio Daubón Vidal,	No archaeological sites Surveyed area approximately 40 *cuerdas*.[1]	PRSHPO: Concurred with finding of no historic properties, June 26, 2001
ICP/CAT BT 94-06-01	Fases IA-IB Proyecto Urbanización Villa Vilar, Barceloneta, Puerto Rico, April 22, 1994	Carlos M. Ayes Suárez	No archaeological sites	IPRC: Recommended project to proceed, April 6, 1999
SHPO 05-02-95-02	Fases IA-IB Estudio Recursos Culturales Proyecto Parque Recreativo, Barrio Garrochales, Barceloneta, Puerto Rico, April 30, 1995	Antonio Daubón Vidal	No archaeological sites Surveyed area-approximately 18 *cuerdas*.	PRSHPO: No objection to project August 7, 1995
ICP/CAT BT-02-10-02	Evaluación Arqueológica Fases IA-IB Proyecto Ensanche de la Carretera PR-684 y Conector hasta la Avenida Conde de Caspe, Barceloneta, Puerto Rico Report dated December 23, 2002	Jaqueline López Meléndez	Recommended Phase II	IPRC: Agreed with archaeologist recommendations. No date on record.
SHPO 02-16-07-01 and 02-16-07-03	Fase IA-IB Estudio Recursos Culturales Proyectos Facilidades Recreativas y Centro Comunal, Barceloneta, Puerto Rico, March 20, 2007	Antonio Daubón Vidal	No archaeological sites Surveyed area-approximately 1.8 *cuerdas*.	PRSHPO: No historic properties affected within the APE, April 2, 2007
SHPO 08-25-08-06 ICP: 07-11-03	Fase IA-IB Estudio Recursos Culturales Proyecto Egida Comunidad Dorada, Barceloneta, Puerto Rico, June 1, 2007	Antonio Daubón Vidal	No archaeological sites Surveyed area-approximately 1.95 *cuerdas*.	PRSHPO: No historic properties affected within APE, December 19, 2008. IPRC: Recommend project proceed, No date on record.

[1] One *cuerda* is equal to 0.971 acres.

ICP: BT-07-11-04	Revisión de cimientos del Antiguo Matadero, Barceloneta, Puerto Rico MS: Dorado, Puerto Rico AC-068403, June 11, 2007	Jacqueline López Meléndez	Determined that construction of a parking area by the Puerto Rico Aqueduct and Sewer Authority had impacted part of the foundation structures, but that undisturbed foundations remained north, south, and east of the parking area	IPRC: The remaining foundations have research potential and should be documented if they are to be impacted.
ICP/CAT BT-10-13-02	Fase IA-IB City Paradise, Barceloneta, Puerto Rico, June 2010	Anabel Arana Lanzas	No archaeological sites Surveyed area- approximately 10.35 *cuerdas*	IPRC: Recommended project to proceed, August 7, 2010
ICP/CAT BT-08-11-06	Evaluación arqueológica Fase II del Antiguo Matadero de Barceloneta Proyecto: Ensanche de la Carretera PR-684 y Conector hasta Ave. Conde de Caspe Barceloneta, Puerto Rico AC-0684403, January 22, 2008	Jacqueline López Meléndez	Identified remnants of structure as a cistern, possibly associated with the historic butcher shop/slaughterhouse whose remains are outside of the project area. Recommended the remains of the cistern be protected and avoided.	IPRC: If the remains should be impacted by a future project, archaeological monitoring is recommended.

Table 1
Puerto Rico State Historic Preservation Office and Institute of Puerto Rican Culture Cultural Resources Surveys within a Quarter Mile of the Proposed Project's APE

The archaeological sites documented within quarter of a mile from the proposed project's APE) range from Elenan Ostionoid precolonial sites to historic sites dating from the 17th to 20th centuries. (See Table 2 and Figures 6A, 6B, 6A-TOPO, and 6B-TOPO.) The NRHP eligibility of these sites, except for site #BA0100005 which was considered to not be eligible to the NRHP and is reported in the PRSHPO files as no longer extant, was never officially determined since the sites were avoided during construction. However, various sites are potentially eligible to the NRHP, but none will be affected by the proposed project.

Of the sites in closest proximity to the APE for this project, sites BA0100015 and BA0100008 were identified as historic period sites and recommended not eligible in the 1990 cultural resources report by Garrow and Associates. Site MA0100013 is identified as a small (50-meter radius) historic period site with 17th to 19th century ceramics which may be associated with Hacienda La Esperanza and was considered potentially eligible to the NRHP.

The site closest to the proposed project, which is located approximately 45 meters north of the end of the current pedestrian trail, is BA0100006 (SHPO)/BT-35 (ICP). This site, also identified in the above mentioned 1990 report as the possible remnants of a historic period butcher/slaughterhouse, was also studied in the 2004 Phase II report by New South Associates. However, it was not tested because it was determined that the site would not be impacted by the USACE flood control project. In 2008, a Phase II report on this site was also carried out for the widening of PR-684. The report identified the remains as a cistern, possibly associated with the historic butcher shop/slaughterhouse whose remains were determined not to be impacted by the proposed highway project. Based on these investigations, this site may be potentially eligible to the NRHP.

The site survey files of the PRSHPO and the IPRC show a discrepancy in the coordinates given for the location of site BA0100006 (SHPO)/BT-35 (ICP). The PRSHPO site location places this site right at the north end of the current Paseo. The IPRC site location places this site about 45 meters north of the existing Paseo. (See Figures 4A and 4A-TOPO.) We used the IPRC's location in the archaeological site location map, since it is based on the 2008 Phase II report, which located the site within proximity of

the right-of-way (ROW) for the highway project and not in the area of the existing trail (which was completed in 2009). Either way, as described below, this potentially eligible site will not be impacted by the current project.

PRSHPO/IPRC TAG NUMBER	NAME	ADDRESS/COORDINATES	TYPE	SURVEY	NRHP LISTED OR ELIGIBLE
BA0100002 (SHPO) BT-12 (ICP)	El Mero Flood Control Site 1	X: 189265 Y: 268134.5	Multicomponent Site (Historic, Pre-colonial, Burial, Middens) Approximately 6500 square meters	Siegel (New South Assoc. 2004), Phase II Archaeological. Evaluations, Río Grande de Manatí Flood Control Project, Barceloneta, PR (SHPO #07-10-90-04)	Pending
BA0100005	Flood Control Site 5	X: 189323.9 Y:269449.8	Site (Historic & Pre-colonial ceramic, glass) Approximately 900 square meters	Siegel (New South Associate 2004), Phase II Archaeological. Evaluations, Río Grande de Manatí Flood Control Project, Barceloneta, Puerto Rico (SHPO #07-10-90-04)	Not eligible to the NRHP. PRSHPO site files reports it no longer exists.
BA0100006 (SHPO) BT-35 (ICP)	Antiguo Matadero, Flood Control Site 6	X: 189274.5 Y: 269235.5 (PRSHPO coordinates) 18°27'33.352"N 66°32'4.539"W (IPC coordinates)	Site (Historic-Remnants of Structure) Approximately 100 square meters	Siegel (New South Associate 2004), Phase II Archaeology. Evaluations, Río Grande de Manatí Flood Control Project, Barceloneta, Puerto Rico (SHPO #07-10-90-04) López Meléndez 2008, Fase II del Antiguo Matadero de Barceloneta, Proyecto Ensanche de la Carr. PR-684 y Conector hasta Ave. Conde de Caspe, Barceloneta, Puerto Rico	PRSHPO: Pending. IPRC: Potentially eligible
BA0100008	Flood Control Site 7	X: 189183.1 Y: 269239.2	Site (Historic-Ceramic, metal, bones, glass, construction materials)	Childress (Garrow 1990), Cultural Resource Reconnaissance, Proposed Flood Control Project Area, Río Grande de Manatí, Barceloneta, Puerto Rico (SHPO #07-01-87-01	Pending Report recommends no additional studies, not eligible.
BA0100015	Flood Control Site 8	X:189090 Y:269255.1	Site (Historic- Remnants of structure)	Childress (Garrow 1990), Cultural Resource Reconnaissance, Proposed Flood Control Project Area, Río Grande de Manatí, Barceloneta, Puerto Rico (SHPO #07-01-87-01)	Pending Report recommends no additional studies, not eligible to thr NRHP.
BA0100050 (SHPO) BT-36 (ICP)	Hacienda Catalana	X: 188842.2 Y: 268288.4	Site (Historic structural remains)	L. Bracero y E. Valle 2012 Report III Site visit	Pending No study exists. PR SHPO site files indicate the remnants may be irrigation channels associated with Hacienda Catalana

MA0100013	Flood Control Site 10	X: 189332.9 Y: 269076.5	Site (Historic- ceramics, 17th to 19th century, in proximity to Hacienda La Esperanza) Approximately 50-meter radius	Childress (Garrow 1990), Cult. Res. Reconnaissance, Proposed Flood Control Project Area, Río Grande de Manatí, Barceloneta, Puerto Rico (SHPO #07-01-87-01)	Pending (Potentially eligiblemfor inclusion to th eNRHP, but not tested)
MA0100014	Flood Control Site 11	X: 189576.3 Y: 269385.5	Redeposited pre-historic Ostionoid materials, out of context	Childress (Garrow 1990), Cult. Res. Reconnaissance, Proposed Flood Control Project Area, Río Grande de Manatí, Barceloneta, Puerto Rico (SHPO #07-01-87-01)	Not eligible for incusion to the NRHP

Table 2
Puerto Rico State Historic Preservation Office and Institute of Puerto Rican Culture Archaeological Sites Reported within a Quarter Mile of the Proposed Project's APE

Identification of Historic Properties - Architecture

INTRODUCTION

Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information, by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61), shows that the project area is adjacent to the boundaries of the NRHP-eligible Barceloneta Traditional Urban Center / Historic District. A small portion of the Barceloneta Traditional Urban Center and the Escuela Rafael Balseiro Maceira, a NRHP-listed property, are within the APE. (See Figure 7 and Photo 1.)

NRHP LISTED PROPERTY

The Escuela Rafael Balseiro Maceira is located at Georgetti Street #1 (CRIM ID Number: 033-044-017-10). It was listed at statewide level under Criteria A (Social History) and C (Architecture).[2] The reinforced concrete school building was completed in 1921. Originally including eight classrooms, the design was authored by Adrian C Finlayson (1883-1921). The Classically inspired principal façade is symmetrically organized by means of two *avant-corps* that define the corners of the composition. The building was listed in the NRHP on 28 August 2012.

NRHP ELIGIBLE PROPERTIES

To interpret the architectural properties eligible for inclusion in the NRHP, archival research activities were undertaken. Additionally, visits to Barceloneta and all historic properties were carried out.

The following two PRSHPO architectural windshield surveys and the IPRC "Informe Plaza del Municipio de Barceloneta" within the Barceloneta Traditional Urban Center/ Historic District were analyzed as part of interpretative activities:

1. Puerto Rico State Historic Preservation Office, San Juan, Puerto Rico, "Photographic Survey of Historic Properties in Urban Centers in Puerto Rico," 1994.

[2] Jorge Rigau, "Escuela Rafael Balseiro Maceira National Register of Historic Places Nomination" (MS: San Juan, Puerto Rico, 2012).

The following information was gathered for Barceloneta from this PRSHPO study. Table 3 lists information regarding the Municipality.

TOWN	NUMBER OF PROPERTIES SURROUNDING THE PLAZA	NUMBER OF HISTORIC PROPERTIES DOCUMENTED	PERCENTAGE OF HISTORIC PROPERTIES
Barceloneta	11	0	0%

Table 3
Barceloneta Historic Properties Information (1994)

2. Puerto Rico State Historic Preservation Office, San Juan, Puerto Rico, "Proyecto de reconocimiento de inventario de centros urbanos de los 78 municipios de Puerto Rico," 2020-In progress.
In the above-mentioned PRSHPO inventory, the following Barceloneta architectural properties appear as eligible for inclusion to the NRHP:

NAME	APPROXIMATE DATE	CATEGORY
Plaza José Cordero Rosario[3]	Second half 20th century	Site (plaza)
Cementerio Municipal	1889	Site (cemetery)
Iglesia Nuestra Señora del Carmen	1883-1905; c 1930 (reconstruction)	Building (parochial church)
Iglesia Alianza Cristiana Misionera	founded in 1900; construction c 1942	Building (church)
Escuela Jesús M Rivera	1946-1950	Building (school)
Residencial Antonio Dávila Freytes	1953-1954	District; (residential)
Fábrica de Fomento	c 1953	Structure; (factory)

Table 4
Barceloneta NRHP Eligible Properties as per Puerto Rico State Historic Preservation Office (2020-In progress)

3. Institute of Puerto Rican Culture, "Informe Plaza del Municipio de Barceloneta" (MS: San Juan, Puerto Rico), 2011.
This document includes the seven Barceloneta properties which the IPRC considers have historic significance. Table 5 lists the properties.

NAME	ADDRESS
Alcaldía	Georgetti Street
Old Municipal Theater	Escobar Avenue
Francisco Ortega Residence	Escobar Avenue
Senador Juan Cancel Ríos Residencia	Georgetti Street
Primera Iglesia Misionera	Georgetti Street
Vicente Acevedo Ballester Residence	Georgetti Street
Iglesia Nuestra Señora del Carmen	Georgetti Street

Table 5
Institute of Puerto Rican Culture, Informe Plaza del Municipio de Barceloneta (2011)

NRHP ELIGIBLE PROPERTIES WITHIN THE VISUAL APE

The two PRSHPO architectural windshield surveys, the IPRC Report, the project area, the visual APE, and the quarter-mile area were carefully reviewed to determine which properties were still extant and eligible for inclusion to the NRHP. Additionally, historic plans and maps, as well as photographs (both historic and current, including aerial ones) of the Municipality were studied and interpreted. All

[3] Puerto Rico State Historic Preservation Office, San Juan, Puerto Rico, "Proyecto de reconocimiento de inventario de centros urbanos de los 78 municipios de Puerto Rico," 2020-In progress. The name of this plaza incorrectly appears as Plaza del Ancón.

properties were reviewed to analyze which ones are in the visual APE. The following properties are in the visual APE:

1. Plaza del Ancón (also known as the Plaza José Pou Mercado[4]), c 1881-1911
Georgetti and Juan de la Torre Streets, Barceloneta
CRIM ID Number: No Number Assigned

The Plaza del Ancón is the oldest historic property (site) in Barceloneta and one of three town plazas (*plaza de pueblo*) to serve the urban core. Before becoming a municipality, the Palmas-altas settlement, later Barceloneta Pueblo, served as port for most neighboring haciendas. From here, merchandise was shipped to foreign countries like the United States of America (USA) and European nations since the deep river connected the town to the ocean. Barges, bergantins, and similar vessels would take the goods and passengers beyond the sea. Crops were brought here to be shipped to major towns in the Island and to foreign countries while passengers traveled and alighted vessels at the Plaza del Ancón. Use of the port area as plaza follows millennia-old traditions. The Plaza del Ancón was used as the town's square after Barceloneta became a town. Evidence of the urban role it played is the fact the parochial church and the original *casa alcaldía* were sited facing this space which directly opened to the river.

The Plaza del Ancón is eligible for inclusion in the NRHP under Criterion C. (See Figure 7 and Photo 2.)

2. Second Barceloneta Plaza
Georgetti Street, Barceloneta
CRIM ID Number: 033-034-009-01 and 033-034-009-02

Throughout its history, Barceloneta has had three different town plazas. The first one was the Plaza del Ancón. The second one occupied a block that faced Georgetti Street and the house that sheltered the mayor's office (*casa alcaldía*). This relatively small space was organized in a traditional 19th century manner. Originally, the church resided in the same block as the second plaza. The square opened to the Plaza del Ancón.

The Second Barceloneta Plaza is eligible for inclusion in the NRHP under Criterion A, for its associative value to the urban development of Barceloneta. (See Figure 7 and Photo 3.)

3. Iglesia Nuestra Señora del Carmen, Barceloneta, 1886
Georgetti Street, Barceloneta
CRIM ID Number: 033-034-009-03

In the document dated 19 March 1875, entitled "Sobre creación de una parroquia en el barrio de las Floridas"[5] kept in Spain's Archivo Histórico Nacional, the year 1886 appears as the date when the project for a parochial church was approved by the Spanish authorities. (This does not imply there could have existed some other structure for this purpose prior to the town's foundation.) The church planned at this time responds to the end of the 19th century preferred arrangement with only one

[4] Mr José Pou Mercado, after whom the plaza, is named was a troubadour inscribed as such in the Institute of Puerto Rican Culture.

[5] Archivo Histórico Nacional, Spain, "Sobre la creación de una parroquia en el barrio de las Floridas," Ultramar 2074, Expediente 13. Access: https://pares.mcu.es/ParesBusquedas20/catalogo/show/1322300?nm.

tower in its façade that additionally anchored the principal entrance. Other examples of the use of a single tower in the principal façade are the churches of Nuestra Señora de la Concepción y San Fernando in neighboring Toa Alta, Iglesia de San Fernando in Carolina, among others.

According to the PRSHPO,[6] during the 1930s the church was rehabilitated. The portal-like structure present in some historic images may have been added at this time. The name of Luis Martin Perocier Morales (1880-1950) is mentioned regarding this work. An "architect" graduated from the American School of Correspondence, a center that with "its publishing division the American Technical Society, both pioneers in offering mail-order courses in architecture, law, and technology, as well as a high school curriculum.,"[7] he was a well-known figure in the Island for his experimentation with concrete.[8] According to some sources, the church was destroyed by a hurricane and rebuilt in 1930.[9]

The Iglesia Nuestra Señora del Carmen, Barceloneta is eligible for inclusion in the NRHP under Criterion C. (See Figure 7 and Photo 4.)

4. Old Casa Alcaldía, 19th century
Reverendo Villamil Ortiz Avenue, Barceloneta
CRIM ID Number: 033-034-005-07

As mentioned, the urban core of Barceloneta had three different sites serving as the town's plaza, at different times during its history. The oldest one was the Plaza del Ancón while the Second Barceloneta Plaza faced Georgetti Street and the mayoralty house. Following traditional arrangements, the *casa alcaldía* building was a house found at the corner of Reverendo Villamil Ortiz and Georgetti Streets, across from the second plaza and the church. The first formal mention the house was used as *casa alcaldía* was in August 1919 when the Municipality informed the Island Government that it had: "a Municipal house with a wood second floor and a masonry first level with a zinc sheets roof that includes an addition where the toilets are found."[10] The Old Casa Alcaldía also served as local tribunal and jail.

The Old Casa Alcaldía in Barceloneta is eligible for inclusion in the NRHP under Criterion A. (See Figure 7 and Photo 5.)

5. Plaza José Cordero Rosario (also known as Plaza de Recreo de Barceloneta), 20th century
Georgetti Street, Escobar, and Palmas Altas Avenues, Barceloneta
CRIM ID Number: 033-034-012-01

---

6 Puerto Rico State Historic Preservation Office, San Juan de Puerto Rico, "Construcción paseo tablado en el Centro Urbano Tradicional" (2003), PRSHPO identification number 10-10-03-01.

7 "American School of Correspondence," SAH Archipedia, Access: https://sah-archipedia.org/buildings/IL-01-031-0006.

8 "Luis Perocier," AACUPR, Access: https://aacupr.uprrp.edu/index.php/portfolio-item/lpe/.

9 Institute of Puerto Rican Culture, "Informe Plaza del Municipio de Barceloneta" (MS: San Juan de Puerto Rico, 2011).

10 "[Una] *casa municipal de altos de maderas y bajo de mampostería techada en zinc y con una ampliación para inodoros*," AGPR, FOP, SEPR, Box 298, Legajo 12, Expediente 1, "Relación de los edificios que en la actualidad posee el municipio de Barceloneta, PR." Quoted in: Jacqueline López Meléndez, "Evaluación arqueológica Fase II del Antiguo Matadero de Barceloneta Proyecto: Ensanche de la carretera PR-684 y conector hasta Avenue Conde de Caspe Barceloneta, Puerto Rico" (MS: San Juan de Puerto Rico, 2008), AC identification number AC-068403, p 19.

At present surrounded by three roads – Georgetti, Escobar Street, Escobar, and Palmas Altas Avenues – the site dates approximately to the 1930s and was probably a garden.[11] (See Figure 8.) Currently, the Second Barceloneta Plaza appears to have also been in use. As mentioned, this is probably the third site to have been used as plaza. According to oral history it became the formal plaza after the construction of the new Casa Alcaldía in the year 1964. An essential component of all Puerto Rican towns, the *plaza pública or plaza del pueblo* is at times also known as *plaza de recreo*. At present, most town plazas on the Island are surrounded by four streets while the Barceloneta one is surrounded by only three. The plaza forms a small district with the mayoralty building.[12]

The Plaza José Cordero Rosario, Barceloneta is eligible for inclusion in the NRHP under Criterion C. (See Figure 7 and Photo 6.)

6. Casa Alcaldía de Barceloneta, 1964
Georgetti Street
CRIM ID Number: 033-034-008-18, 033-034-011-14 and 033-034-011-15

Facing Georgetti Street, the mayoralty building was constructed in 1964. It is characterized by the use of *brise soleil* motifs and details stemming from Brutalist aesthetics. The quintessential representation of the government, it was usual for the building (usually known as the *casa alcaldía*) to be close to the town's church. This is not the case in Barceloneta due to the checkered history of the town. Also of interest is the fact that there is no street dividing the main plaza from the building, a late 19th and early 20th centuries urban reality in the Island. In contrast to the traditional treatment, the building has an introspective urban personality, somewhat at odds with its role as a public building, a characteristic of Brutalist interpretations in the Island.

The Casa Alcaldía de Barceloneta is eligible for inclusion in the NRHP under Criterion A and C. (See Figure 7 and Photo 7.)

NRHP ELIGIBLE PROPERTIES WITHIN A QUARTER MILE OF THE PROJECT AREA

The only NRHP eligible property within a quarter-mile area is the Escuela Jesús M Rivera (Elementary School), La Palmas Alta Avenue, Barceloneta (CRIM ID Number: 033-034-013-01

Constructed during the period from 1946 to 1950, the Escuela Jesús M Rivera's architectural style is a throwback to the period before World War II since it depicts Art Deco detailing. This design approach is understandable since during the War very little was constructed on the Island. Symmetrically organized, two entrance/exit portals are placed at both ends of the building. While analogous to *avant corps* they recede from the central block. A series of incised lines decorate the second floor's back and side façades. A triangular motif with a trio of lines frames each entrance/exit door opening on the first floor. At the present time, it is the Escuela de Bellas Artes de Barceloneta. (See Figure 7.)

The Escuela Jesús M Rivera is eligible for inclusion in the NRHP under Criterion C.

[11] In a February 1936 photograph, a formal garden is clearly depicted in the site. Oficina de Sistemas de Información Geográfica de Puerto Rico, Puerto Rico Department of Transportation and Public Works.
[12] *Idem*.

ADDITIONAL PROPERTIES IN THE PROJECT'S APE
CONSIDERED FOR THEIR ELIGIBILITY TO THE NRHP

The properties listed in Table 6 were additionally considered regarding their possible eligibility to the NRHP.

PROPERTY	FINDING
Centro Cultural de Barceloneta, Georgetti Street #129	Constructed at the site of Bonocio Llenza Feliú's house, who was Barceloneta's first mayor. The modern reinforced concrete property does not meet any of the NRHP Criteria.
Río de Manatí dike, Barceloneta	While in the future the dike may be a property that exemplifies the ever-changing town and the river's personality, at this time it does not comply with the 45 years age requirement.
Condominio La Marina Juan de la Torre Street	The complex can be dated to the 1980s and is an example of the new residential trends (in the shape of apartments) that impacted the historic core. It does not comply with the 45 years age requirement.

Table 6
Additional Properties Considered

HISTORIC CONTEXT FOR THE PROJECT AREA AND VISUAL APE

On 14 April 1881, the *Gaceta de Puerto Rico* – the official newspaper publication of the Spanish Government in Puerto Rico – published that Barceloneta, a new municipality in the north coast of the Island, had been created.[13] Following local tradition, the new political unit seceded from another municipality, in this case, Manatí. The following *barrios*: Florida-adentro, Florida-afuera, Manatí-abajo, and Garrochales formed the new municipality that at that time of its formal foundation had approximately 6,084 residents. Legend has it Governor Eulogio Despujols Dussay, Count of Caspe, and Bonocio Llenza Feliú, first Barceloneta major, both hailing from Barcelona, chose the name honoring the Barcelona's 18th century Barceloneta sector facing the Mediterranean Sea.

There exists evidence that by 1870 a small settlement that may or may not have included a small chapel existed next to the west shore of the Manatí River at a place known as "el Ancón." The width and depth of the many northern coast rivers of the Island required the use of *ancones*[14] to make transit viable. A *circa* 1910 map, "Barceloneta, Puerto Rico Plano de la Población," clearly depicts the path the vessels traveling between the two shores of the river took. (See Figure 9.) Once developed, the small anchorage place became the lifeline of the tiny settlement. With time docking facilities, as well as storage areas for merchandise, developed. Services extended by means of small locales for specialized wood workers who provided service to the anchored vessels and repaired the wood

[13] *Gaceta de Puerto Rico*, San Juan de Puerto Rico, 14 April 1881, p 1, Access: https://www.loc.gov/item/2013201074/1881-04-14/ed-1.

[14] While the *Diccionario de la Lengua Española* (Madrid, Spain, 2001) defines *ancón* as a small anchorage place, in Puerto Rico the word is also used for the barge-like vessels that at times operated in such places to carry over people or merchandise from one side of a body of water to the other.

barrels essential for commercial traffic. These structures are clearly seen in the Plano de Barceloneta, Comisión Topográfica de 1887." (See Figure 10.)

The reasons for the separation from Manatí were succinctly explained in a 28 October 1879 document signed by Ramón Power y Giralt, president of the Diputación Provincial de Puerto Rico[15] who recounted the causes provided by interested parties. First, the distance to Manatí was quite far, forcing many to go to Arecibo instead to sell or buy merchandise. Arecibo was farther than Manati, but it was much easier to get there. Not only were the two cores (Manatí and Barceloneta) far away, but the Barceloneta people had to cross the Manatí River (previously known as the Arecibo River), no small feat considering the width and depth of this body of water, particularly during flood season. Second, there was no church close to the Palmas-altas sector. As a result, many died without religious comforts. It is mentioned in the document signed by Power y Giralt that interment of the dead took much longer than what was authorized because it took days for priests to get to Barceloneta. Finally, the new town was next to the Palmas-altas port (later known as el Ancón), assuring commercial activities. This sector is where the Paseo de Juan de la Torre is located. While Barceloneta is not mentioned by name, the fact the Palmas-altas settlement became the *pueblo* of the new municipality evidences it was an important venue for land and sea traffic.

Apparently, all required services – church, cemetery, and meat market (*carnicería*) – were in place making the creation of the new municipality a reality, as seen in the "Comisión Topográfica de 1887" map.[16] There were many reasons for the numerous neighboring haciendas dotting the rich fertile sector to use the place to embark and disembark both people and merchandise. Sources establish that at that time the river was navigable, and vessels could sail from the el Ancón to the ocean with relative ease. Additionally, the taxes the Manatí authorities charged for commercial exchanges could be eliminated. Bonacio Llenza Feliú's grandson, Luis Díaz Llenza, was quoted as saying that his grandfather had four bergantins of four masts each and that two of them regularly sailed to New York and other ports in the USA while the other two sailed to Spain.[17] They anchored at the el Ancón and traded in brown sugar, rum, tobacco, and coffee. Merchandise was kept in a huge woodshed that was owned by his grandfather and is depicted in the "Comisión Topográfica de 1887" map. Passengers to the USA or Spain traveled in buggies to Barceloneta to embark the bergantins which had sixteen cabins each. All this activity took place along the present Paseo de Juan de la Torre.

Shadowing the Canary Islands port-city (*ciudad-puerto*) the el Ancón (presently known as Plaza del Ancón) was used as both port and public plaza (*plaza pública*), a must of all towns on the Island. Therefore, the Catholic church dedicated to the patron of the municipality, the Virgen de Nuestra Señora del Carmen, is found directly relating to this space precisely because it was considered the principal communal space where not only the town's activities took place but all commercial goings-on. At present, part of this space is known as the Plaza del Ancón, a historic property within the APE of the Paseo de Juan de la Torre[18] project. Additionally, within the APE is the building used as mayoralty

---

15 Document quoted in: Marcelino Canino Salgado, *Historia Documental y Cultural de Barceloneta, Puerto Rico* (San Juan, Puerto Rico: Ediciones Puerto, 2002), p 33.

16 Aníbal Sepúlveda Rivera, *Puerto Rico Urbano Atlas Histórico de la Ciudad Puertorriqueña* (San Juan de Puerto Rico: Carimar), Four Volumes, 2004. According to all sources, the present municipal cemetery was built close to the old cemetery. If this assessment is correct, the rectangle with a cross in the map is the church and not the burial ground as assumed in at least one archaeological study.

17 Marcelino Canino Salgado, *Historia Documental y Cultural de Barceloneta, Puerto Rico*, p 29.

18 Juan de la Torre was a 20th century mayor of Barceloneta who denounced how Eduardo Georgetti's holdings circled Barceloneta asphyxiating the urban core and impeding its development. This was a courageous stand considering the influence Georgetti had at the time.

(*casa alcaldía*) until the 20th century which sat in front of the Plaza del Ancón. The old *casa alcaldía* was next to the second plaza developed in Barceloneta. While the church represented the Catholic Church, the *casa alcaldía* represented the Spanish rule. This is the reason why mention is made that the court and jail were also located in the building facing Georgetti Street.

It is highly probable the Plaza del Ancón was not platted in a formal manner. Probably, it was a long site to allow the anchoring of the vessels. The second plaza facing Georgetti Street next to the *casa alcaldía* would have opened to the river and possibly to the Plaza del Ancón in an informal manner. The circa 1910 Map ("Barceloneta, PR Plano de la Población") the second plaza is depicted framed by the Alcaldía Street, Georgetti Street, and two other streets the names of which appear as "X" and "Y." (See Figure 9.) Twentieth-century photographs show the space with some trees. (See Figures 8 and 11.) As mentioned, at present it is used as a parking lot at the site. The third and final *plaza de recreo* is the current one surrounded on three sides by streets and on one side the new Alcaldía. This new arrangement discards the river relationship and places the principal façade away from the river. This eligible property is within the APE of the Paseo de Juan de la Torre undertaking.

Other important buildings could be found quite close to the Plaza del Ancón, including the house of the first mayor, Bonacio Llenza Feliú. According to some sources, the remains of this house (the exact nature of these "remains" remains inconclusive) were incorporated into the present building housing the Museum facing Georgetti Street. The building is not eligible for two reasons. First, the present structure is a façade replica in reinforced concrete of what one needs to assume was the house original façade. This, however, may not be the case. The only viable interpretation would be to assess its significance due to its associative value as per Criterion B of the NRHP. At present, however, there is no evidence of the "length and nature of his/her [Bonacio Llenza Feliú] of his association with the property under study and identify the other properties associated with the individual." [19]

When the first "palatial school" was constructed in Barceloneta – the Rafael Balseiro Maceira School – a shift in urban perception took place and rather than face the river the building faces Georgetti Street paying homage to the new area of development of the town. This building is located within the APE of the Paseo de Juan de la Torre undertaking.

For many decades, a portion of the Georgetti Street ran along the Plaza del Ancón and the shore of the Manatí River. This setting was modified in 2004 when the USACE built a channel in the river. Aerial photographs evidence that by 1971 a portion of the Juan de la Torre Street was in place between the Georgetti Street and the river. (See Figure 12.) By 1989, the current Juan de la Torre Street had been constructed. (See Figure 13.) By 2009, the Paseo Juan de la Torre was in place.

DETERMINATION ELIGIBILITY OF THE PASEO JUAN DE LA TORRE

The Paseo Juan de la Torre was completed in 2009 after the PRSHPO concurred with a finding of "no historic properties are located within the project's area of potential effects."[20]

According to the National Park Service (NPS), eligibility is determined by several characteristics. First, the property must have historic integrity defined by seven considerations: "The quality of significance in American history, architecture, archeology, engineering, and culture is present in districts, sites,

[19] "Bulletin Number 15," pp 14-16, Access: https://www.nps.gov/subjects/nationalregister/upload/NRB-15_web508.pdf.
[20] PRSHPO, "Letter of No Historic Properties" (MS: San Juan, Puerto Rico, 4 November 2003), PRSHPO identification number 10-10-03-01.

buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling, and association . . ." To be eligible, a property must also be associated to an important historic context by meeting at least one of four criteria:

> A. That are associated with events that have made a significant contribution to the broad patterns of our history; or
> B. That are associated with the lives of persons significant in our past; or
> C. That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
> D. That have yielded, or may be likely to yield, information important in prehistory or history.[21]

Additionally, although there may exist exceptions, the property must be at least 45 years old.

A careful analysis of the Paseo Juan de la Torre demonstrates it does not comply with the age requirement nor is it associated to a historic context.[22] As a result of this analysis, the Paseo Juan de la Torre is **not** eligible for inclusion in the NRHP.

SELECTED SOURCES CONSULTED

Arana, Anabel, "Estudio de Recursos Culturales Fase I-A – I-B Proyecto: City Paradise Carretera PR 681, Km 0.8, Barrio Palmas Altas, Barceloneta, Puerto Rico," MS: Guaynabo, Puerto Rico, 2010. IPRC identification number BT 10-13-02.

Archivo General de Puerto Rico, San Juan, Puerto Rico, FOP, SEPR, Box 298, Legajo 12, Expediente 1, "Relación de los edificios que en la actualidad posee el municipio de Barceloneta, PR."

Ayes, Carlos M, "Proyecto urbanización Villa Pilar, Barceloneta, Puerto Rico, Prospecciones Arqueológicas Fases 1-A and 1-B," MS: Vega Baja, Puerto Rico, 1994, IPRC identification number BT 94-0601.

Canino Salgado, Marcelino, Historia Documental y Cultural de Barceloneta, Puerto Rico, San Juan, Puerto Rico: Ediciones Puerto, 2002.

_____, *Barceloneta: Notas para su Historia*, San Juan de Puerto Rico: Oficina Estatal de Conservación Histórica, 1983.

Childress, Mitchell R, "Cultural Resources Reconnaissance within the Proposed Flood Control Project Area on Rio Grande de Manati at Barceloneta, Puerto Rico," MS: Atlanta, Georgia, 1990, PRSHPO identification number: 07-01-87-01.

Daubón Vidal, Antonio, "Fases I-A y I-B Estudio Recursos Culturales Proyectos Facilidades Recreativas y Centro Comunal, Barrio Pueblo, Barceloneta, Puerto Rico," MS: San Juan, Puerto Rico, 2007, PRSHPO identification number 02-16-07-01.

[21] "National Register Bulletin 15," pp 2, 12-24, Access: https://www.nps.gov/subjects/nationalregister/upload/NRB-15_web508.pdf.

[22] "Después de ocho años de diseño y construcción el 20 de agosto próximo el dique y el proyecto de canalización del Rio Grande Manatí en Barceloneta [se inaugura]," "Noticias de Barceloneta, Panorama," *Primera Hora*, 30 July 2004. Access: https://www.angelfire.com/super2/barceloneta/noticiasbarceloneta/num62.html#:~:text=Despu%C3%A9s%20de%20ocho%20a%C3%B1os%2C%20entre,dicha%20municipalidad%2C%20Sol%20Luis%20Fontanes.

_____, "Fases I-A y I-B Estudio Recursos Culturales Proyecto Égida Comunidad Dorada, Barrio Pueblo, Barceloneta, Puerto Rico," MS: San Juan, Puerto Rico, 2007, PRSHPO and IPRC identification numbers: 08-25-08-06 and BT 07-11-03.

_____, "Fases I A y I B Estudio Recursos Culturales Proyecto Parque Recreativo Barrio Garrochales, Barceloneta, Puerto Rico, MS: San Juan, Puerto Rico,1995, PRSHPO identification number 05-02-95-02.

_____, "Fases I A – I B Estudio Recursos Culturales Proyecto Residencial Recreativo Barrio Garrochales, Barceloneta, Puerto Rico, MS: San Juan, Puerto Rico, 1993, PRSHPO identification number 10-29-93-02.

Gobierno de España, Ministerio de Cultura, Archivo Histórico Nacional, "Sobre creación de parroquias y aumento categoría iglesias," 1887, Ultramar, 2098 Expediente 6 ES.28079, Access: https://pares.mcu.es/ParesBusquedas20/catalogo/description/1323011?nm.

_____, "Creación del municipio de Barceloneta en Manatí," 1881, Ultramar, 5116, Expediente 23 ES.28079. AHN/16//Ultramar, Access: https://pares.mcu.es/ParesBusquedas20/catalogo/description/1316372?nm.

_____, "Solicitud para habilitar un puerto creándose una Aduana," ES.28079.AHN/16//Ultramar, 1155, Exp. 6, 1879-1881, Access: https://pares.mcu.es/ParesBusquedas20/catalogo/description/1328481?nm.

Gaceta de Puerto Rico, San Juan de Puerto Rico, 14 April 1881, p 1, Access: https://www.loc.gov/item/2013201074/1881-04-14/ed-1/.

Institute of Puerto Rican Culture, "Informe Plaza del Municipio de Barceloneta," MS: San Juan, Puerto Rico, 2011.

López Meléndez, Jacqueline, "Evaluación arqueológica Fase II del Antiguo Matadero de Barceloneta Proyecto: Ensanche de la carretera PR-684 y conector hasta Ave Conde de Caspe Barceloneta, Puerto Rico AC-068403," MS: Dorado, Puerto Rico, 2008, AC and IPRC: identification numbers 068403; BT-08-11-06.

_____, "Revisión de Cimientos del Antiguo Matadero, Barceloneta, Puerto Rico," MS: Dorado, Puerto Rico, 2007, AC and IPRC identification numbers 068403 and BT-07-11-04.

_____, "Evaluación Arqueológica Fases I-A I-B Proyecto Ensanche de la Carretera PR 684 y Conector hasta la Avenida Conde de Caspe, Barceloneta, Puerto Rico, 2002, MS: Dorado, Puerto Rico, 2002, AC and IPRC Identification numbers AC-068403 and BT-02-10-02.

Martínez Torres, Roberto, "Estudio de Evaluación de Recursos Culturales Fase 1-A 1-B Proyecto Villa de la Sabana, Barrio Florida Afuera, Barceloneta, Puerto Rico," MS: Morovis, Puerto Rico, 1995, PRSHPO identification number 08-10-95-07.

Marvel, Thomas S and María Luisa Moreno, *La arquitectura de los templos parroquiales de Puerto Rico*, Rio Piedras, Puerto Rico: Editorial Universitaria, 1994.

Pabón-Charneco, Arleen, *La arquitectura patrimonial y sus estilos*, San Juan, Puerto Rico: Oficina Estatal de Conservación Histórica, 2010.

Puerto Rico State Historic Preservation Office, San Juan, Puerto Rico, "Proyecto de reconocimiento de inventario de centros urbanos de los 78 municipios de Puerto Rico," MS: San Juan, Puerto Rico, 2020 - In progress.

_____, San Juan de Puerto Rico, "Letter," 4 November 2003, PRSHPO File Number 10-10-03-01.

_____, "Photographic Survey of Historic Properties in Urban Centers in Puerto Rico," MS: San Juan,

Puerto Rico, 1984.

_____, "Construcción paseo tablado en el Centro Urbano Tradicional," SHPO File Number 10-10-03-01, 1967.

Rigau, Jorge, "Project Paseo Juan de la Torre, Barceloneta, Puerto Rico Architectural Design Plans," MS: San Juan, Puerto Rico, 2024.

_____, "Rafael Balseiro Maceira School National Register of Historic Places Nomination," MS: San Juan, Puerto Rico, 2012.

Sepúlveda Rivera, Aníbal, Puerto Rico Urbano Atlas Histórico de la Ciudad Puertorriqueña, San Juan, Puerto Rico: Carimar, Vol 1, 2004.

_____, Puerto Rico Urbano Atlas Histórico de la Ciudad Puertorriqueña, San Juan, Puerto Rico: Carimar, Vol 2, 2004.

_____, Puerto Rico Urbano Atlas Histórico de la Ciudad Puertorriqueña, San Juan, Puerto Rico: Carimar, Vol 3, 2004.

_____, Puerto Rico Urbano Atlas Histórico de la Ciudad Puertorriqueña, San Juan, Puerto Rico: Carimar, Vol 4, 2004.

Siegel, Peter E, "Phase Two Archaeological Evaluations, Rio Grande de Manatí Flood Control Project, Municipio de Barceloneta, Puerto Rico," MS: Stone Mountain, Georgia, 2004, PRSHPO identification number 07-10-90-04.

US Department of Housing and Urban Development, "Environmental Assessment and Compliance Findings for the Related Laws," Finding: "Project [Paseo Tablado] not in historic zone." "No historic properties affected," MS: San Juan, Puerto Rico, 2003.

RESEARCH CARRIED OUT AT

Puerto Rico State Historic Preservation Office Archives
Institute of Puerto Rican Culture Archives
Municipality of Barceloneta Archives
General Archive of Puerto Rico
PARES (Spanish Archives Portal)
Florida State University Library
Oficina de Sistemas de Información Geográfica de Puerto Rico,
(Puerto Rico Department of Transportation and Public Works)

Determination
The following historic properties have been identified within the APE:

- Direct Effect:
  There are no historic properties located within the APE.

Assessment of effects - archaeological resources
The project, as proposed, consists of improvements to an already existing pedestrian trail along what used to be the bank of the Manatí River (Río Grande de Manatí). Proposed improvements include replacing the pavement material, fencing along the eastern side of the pedestrian trail, and the installation of two viewing platforms also on the eastern side of the trail. The current trail follows an original river terrace along the Manatí River, which was diverted as part of the USACE project. The APE

for archaeological resources is limited to the foundations to be excavated for the proposed viewing platforms. (See Figure 7.)

Construction for the north viewing platform (which will replace the existing viewing platform) will involve the excavation of one concrete foundation (that measures 5 feet-2 inches by 3 feet-6 inches by 4 feet-0 inch high of which 3 feet are buried.) (See Figure 7 and Photo 8.) The south viewing platform foundation will be dug to a depth of 3 feet- 4 inches below the existing grade, with a width of 1foot, and will rest on a 1 foot-2 inches by 3 feet-6 inches concrete base. (See Figure 7 and Photo 9.) Both platform foundations encompass a very small area of ground disturbance and will be dug into what appears to be previously disturbed soils along the embankment of the original river terrace that diverted the Manatí River. (See Figure 14.) It is our determination that, based on the cultural resource site information available for the project area, the previous construction of the original pedestrian trail and the limited ground disturbance of the proposed current project, no archaeological resources eligible or potentially eligible to the NRHP will be impacted by this project.

- Indirect Effect:

Assessment of effects – historic properties
The following NRHP-listed property, the Escuela Rafael Balseiro Maceira, and the following NRHP eligible historic properties – Plaza del Ancón, Second Barceloneta Plaza, Iglesia Nuestra Señora del Carmen, Old Casa Alcaldía, Plaza José Cordero Rosario, and Casa Alcaldía de Barceloneta – based on the results of our historic property identification efforts, the Program has determined that project actions will not affect the historic properties within the APE.

Supporting Evidence/Argument
The project will have no effect upon these historic properties since there will be **no** changes in the boundaries, setting, location, materials, workmanship, feeling, and association. In some cases, there are two city blocks between the Paseo and the historic properties. Viewshed to and/or from the Paseo will not be altered in any way. The closest historic properties to the Paseo are the Plaza del Ancón and the Casa Alcaldía, both approximately 35 feet away. (See Table 5.) The setting of the Plaza del Ancón was previously modified by the USACE' project. The project of the Paseo will not introduce any audible or atmospheric elements to the historic properties.

Table 7 presents the approximate distance between the Paseo Juan de la Torre and the NRHP listed and/or eligible properties.

PROPERTY	APPROXIMATE DISTANCE FROM THE PASEO TO NRHP LISTED AND/OR ELGIBLE PROPERTIES
Escuela Rafael Balseiro Maceira	260 feet
Plaza del Ancón	35-25 feet
Second Barceloneta Plaza	140 feet
Iglesia Nuestra Señora del Carmen	150 feet
Old Casa Alcaldía	125-126 feet
Plaza José Cordero Rosario	295-390 feet
Casa Alcaldía de Barceloneta	35 feet

Table 7
Approximate Distance from NRHP Listed or Eligible Properties to the Paseo Juan de la Torre

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) **Section 106 NHPA Effect Determination**	
Subrecipient: Municipio de Barceloneta	
Project Name: Paseo Juan de la Torre, Barceloneta, Puerto Rico	**Project ID: PR-CRP-000541**

Recommendation

The Puerto Rico Department of Housing requests that the Puerto Rico SHPO concur that the following determination is appropriate for the undertaking (Choose One):

☒ No Historic Properties Affected

☐ No Adverse Effect

Condition (if applicable):

☐ Adverse Effect

Proposed Resolution (if appliable)

This Section is to be Completed by SHPO Staff Only

The Puerto Rico State Historic Preservation Office has reviewed the above information and: **Concurs** with the information provided. **Does not concur** with the information provided.	
Comments:	
Carlos Rubio-Cancela State Historic Preservation Officer	Date:

FIGURE 1A

0 460 Feet

Project (Parcel) Location - Area of Potential Effects
(Num. 1 of 3 maps)

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

Area of Potential Effects
Project Location

FIGURE 1B

Source: Google Earth Pro

0 460 Feet

Project (Parcel) Location - Area of Potential Effects
(Num. 2 of 3 maps)

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

Area of Potential Effects
Project Location

FIGURE 1C

0 460 Feet

Project (Parcel) Location - Area of Potential Effects
(Num. 3 of 3 maps)

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

Area of Potential Effects
Project Location

FIGURE 1A-TOPO

AVE

CALLE B

CALLE C

684

Municipio
de Barceloneta

USGS - topobuilder.nationalmap.gov

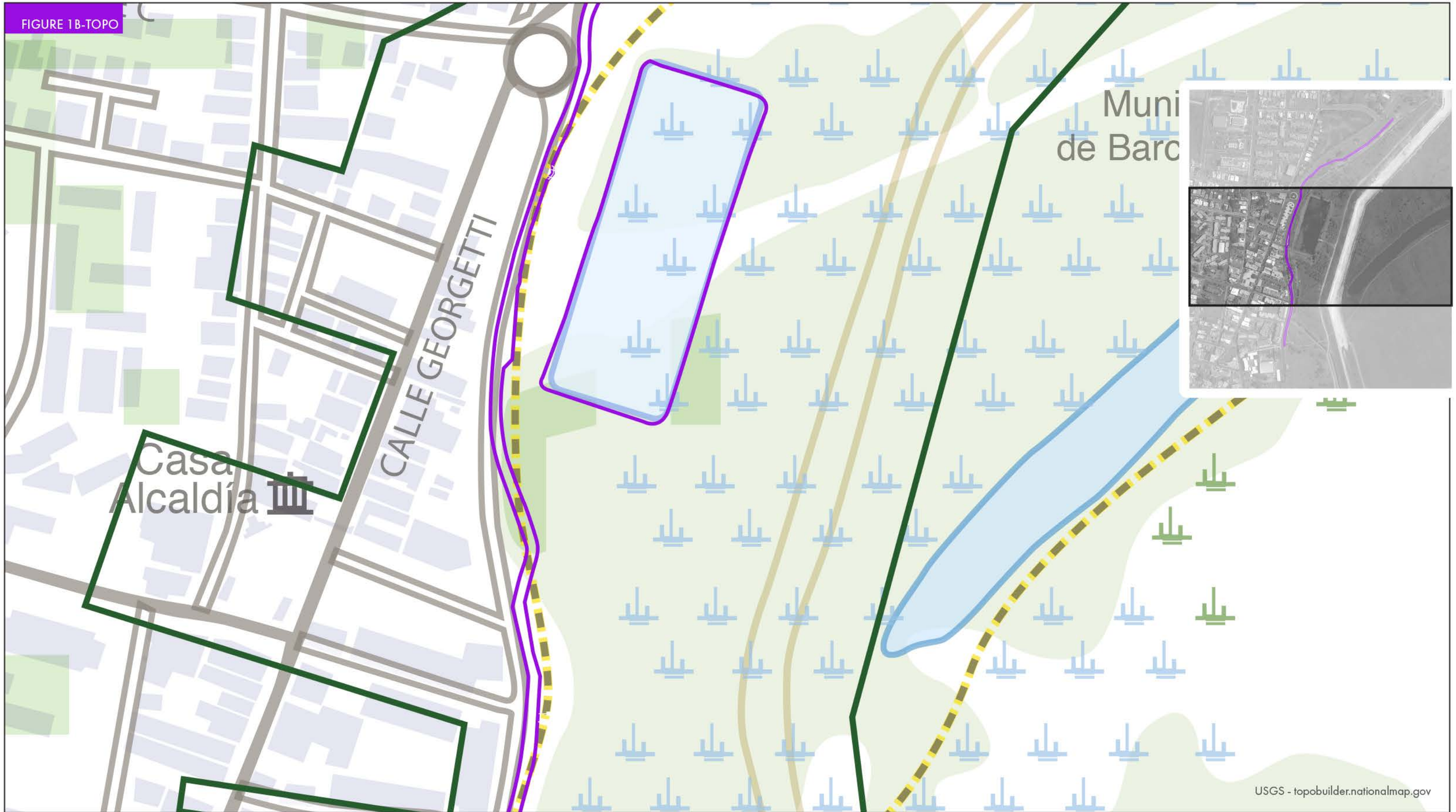
0 460 Feet

Project (Parcel) Location - Area of Potential Effects - Topographic Map
(Num. 1 of 3 maps)

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

Area of Potential Effects
Project Location

FIGURE 1B-TOPO



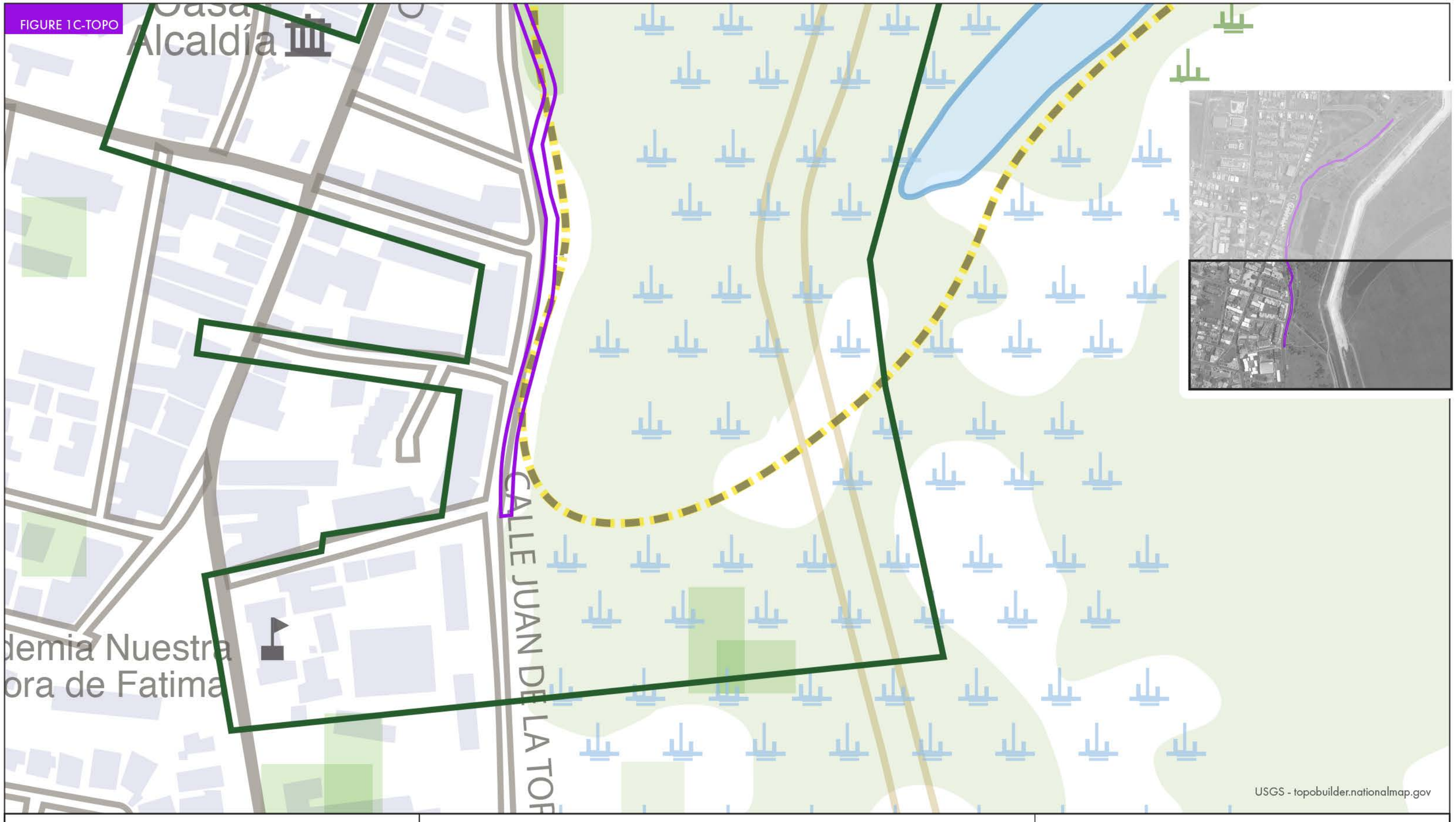
0 460 Feet

Project (Parcel) Location - Area of Potential Effects - Topographic Map
(Num. 2 of 3 maps)

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

Area of Potential Effects
Project Location

FIGURE 1C-TOPO



0 460 Feet

Project (Parcel) Location - Area of Potential Effects - Topographic Map
(Num. 3 of 3 maps)

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

Area of Potential Effects
Project Location

FIGURE 2

Source: Google Earth Pro

Proyecto de reconocimiento de inventario de centros urbanos de los 78 municipios de Puerto Rico. 2020-In Progress

Puerto Rico State Historic Preservation Office
December 16, 2020

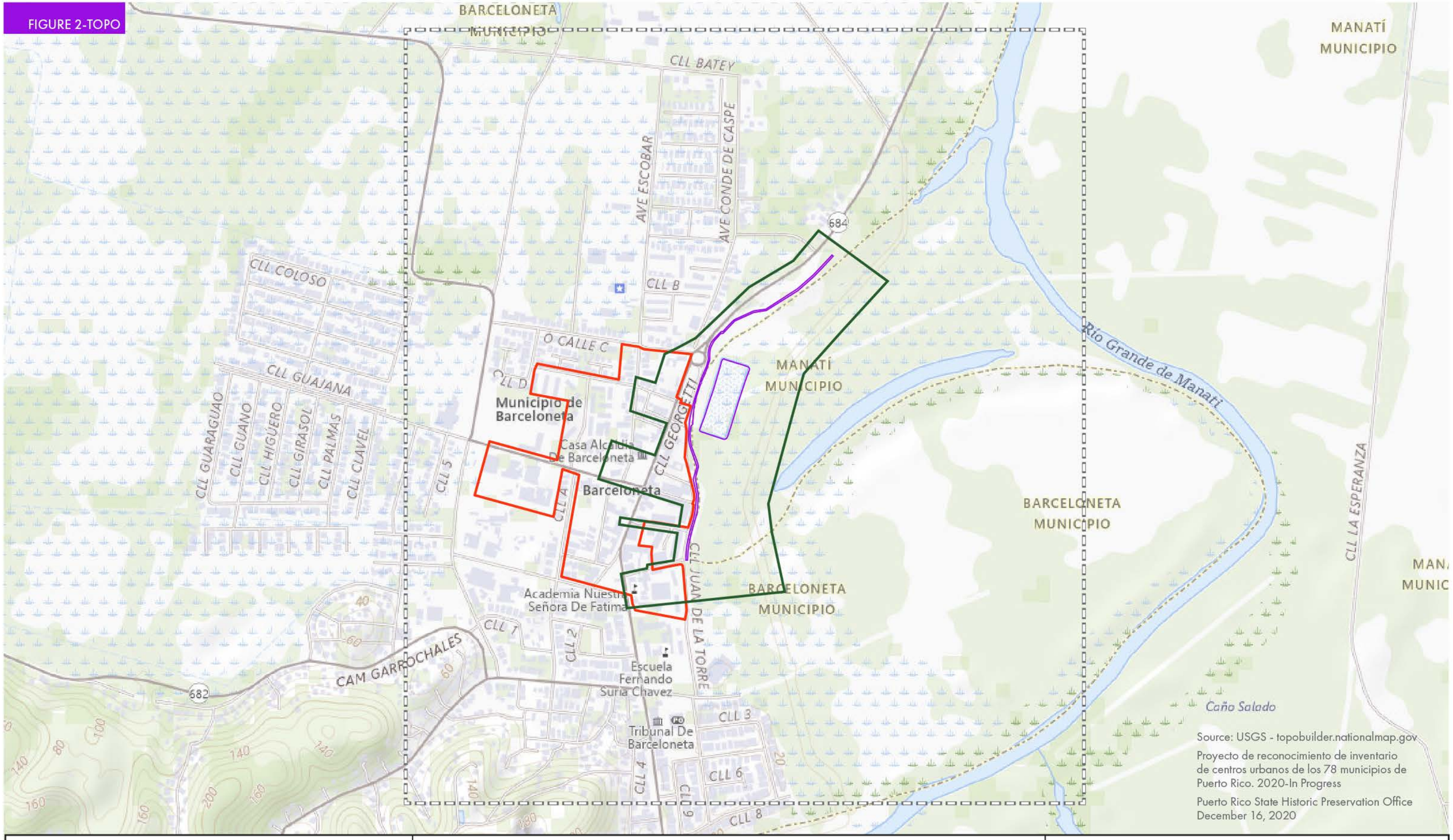
0 0.41 Miles

Project (Parcel) Location within urban context - Aerial

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

Urban Center
Area of Potential Effects
Quarter mile area
Project Location

FIGURE 2-TOPO



N

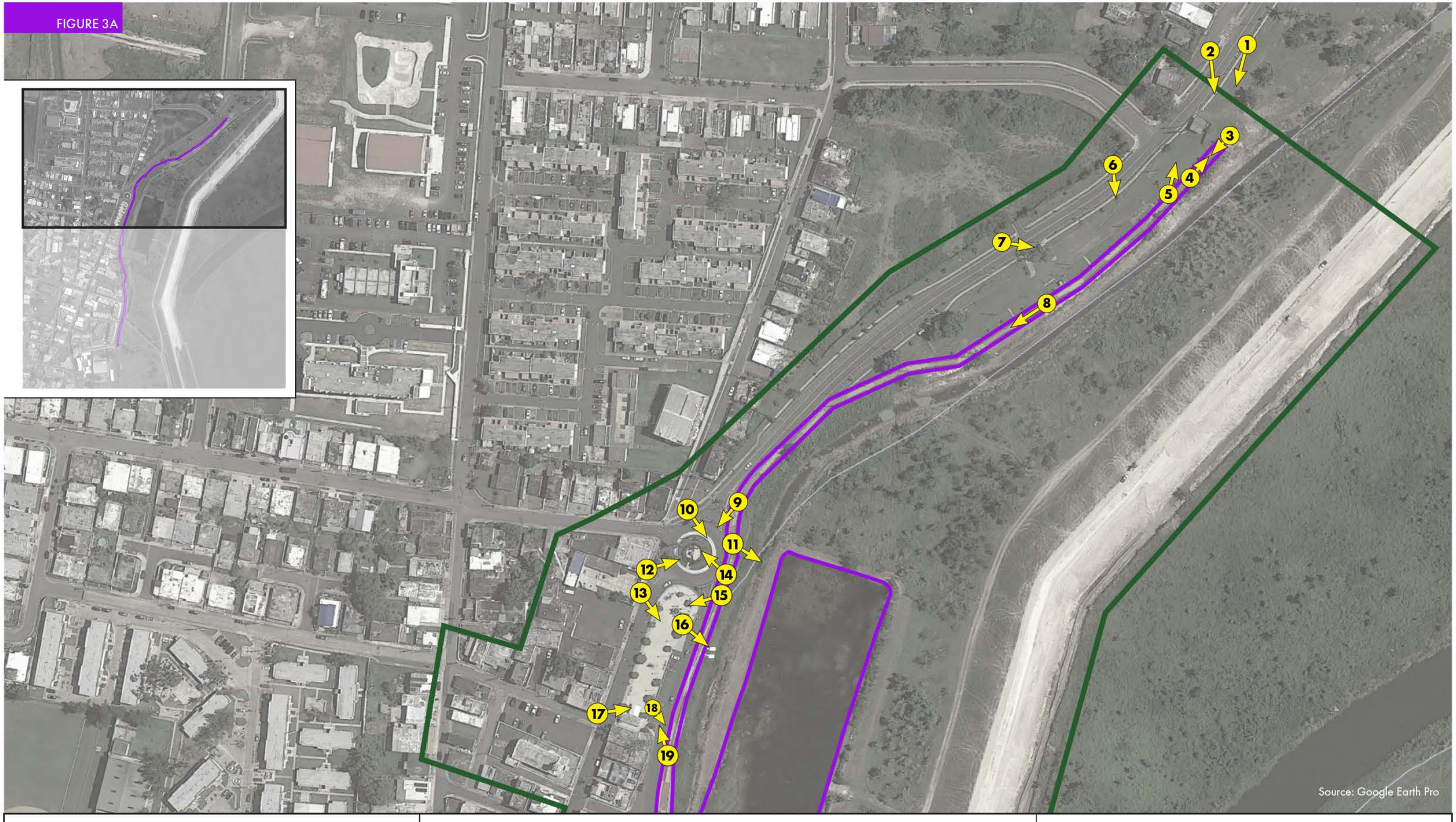
0 0.41 Miles

Project (Parcel) Location within urban context - Topographic

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

- Urban Center
- Area of Potential Effects
- Quarter mile area
- Project Location

FIGURE 3A



0 495 Feet

Project (Parcel) Location - Photo Key Map - Aerial (Num. 1 of 2 maps)

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

Area of Potential Effects
Project Location

FIGURE 3B

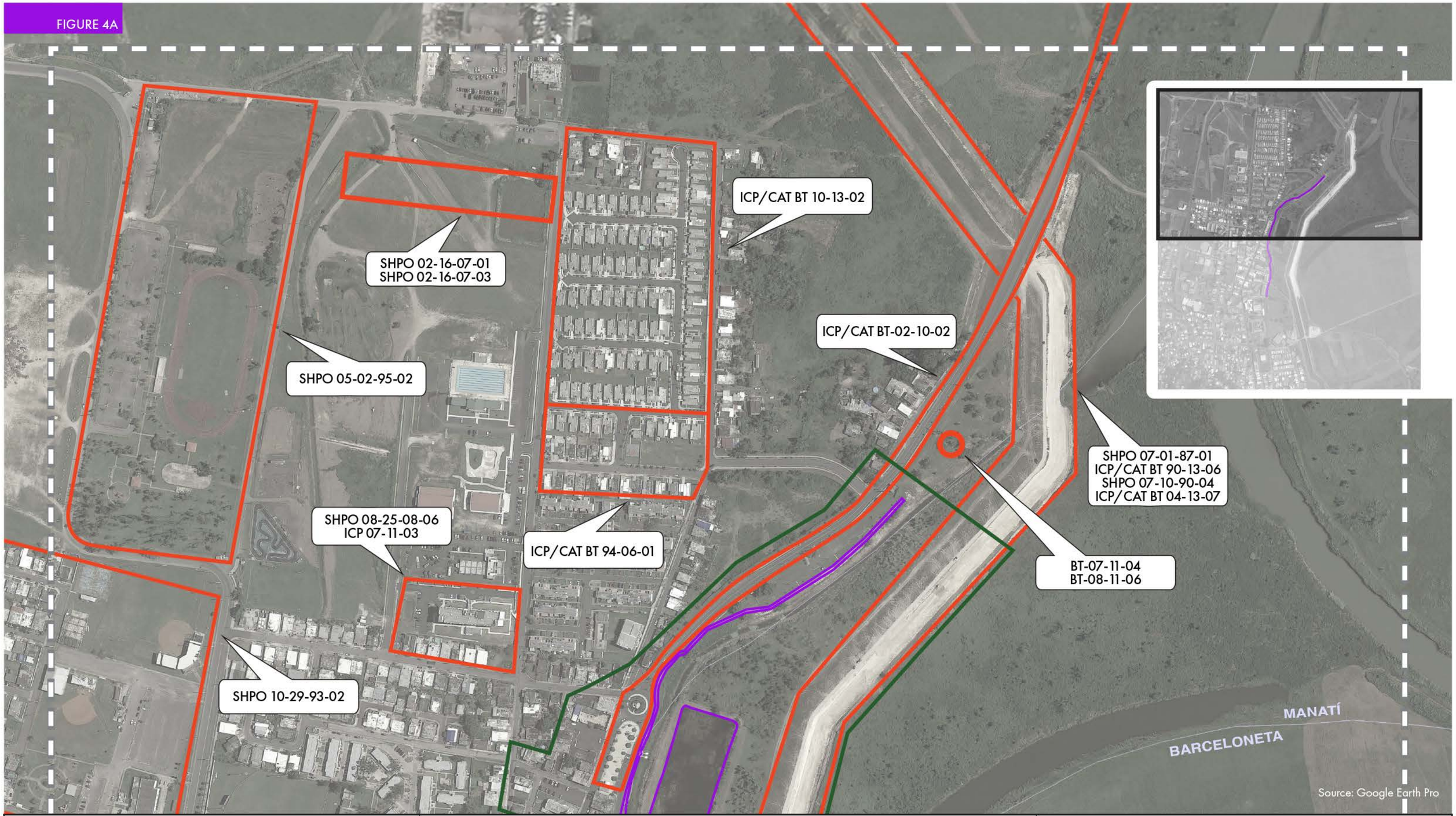
0 495 Feet

Project (Parcel) Location - Photo Key Map - Aerial (Num. 2 of 2 maps)

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

Area of Potential Effects
Project Location

FIGURE 4A



0 0.36 Miles

Project (Parcel) Location with Identified Archaeological Surveys
(Num. 1 of 2 maps)

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

- Archaeological Surveys
- Area of Potential Effects (APE)
- Quarter mile area
- Project Location

FIGURE 4B

0 0.36 Miles

Project (Parcel) Location with Identified Archaeological Surveys (Num. 2 of 2 maps)

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

- Archaeological Surveys
- Area of Potential Effects (APE)
- Quarter mile area
- Project Location

FIGURE 4A-TOPO

BARCELONETA MUNICIPIO

CLL BATEY

AVE ESCOBAR

AVE PONDE DE CASPE

ICP/CAT BT 10-13-02

SHPO 02-16-07-01
SHPO 02-16-07-03

SHPO 05-02-95-02

ICP/CAT BT-02-10-02

SHPO 07-01-87-01
ICP/CAT BT 90-13-06
SHPO 07-10-90-04
ICP/CAT BT 04-13-07

BT-07-11-04
BT-08-11-06

SHPO 08-25-08-06
ICP 07-11-03

ICP/CAT BT 94-06-01

SHPO 10-29-93-02

O CALLE C

2LL D

Municipio de

MAMATÍ MUNICIPIO

Río

Source: USGS - topobuilder.nationalmap.gov

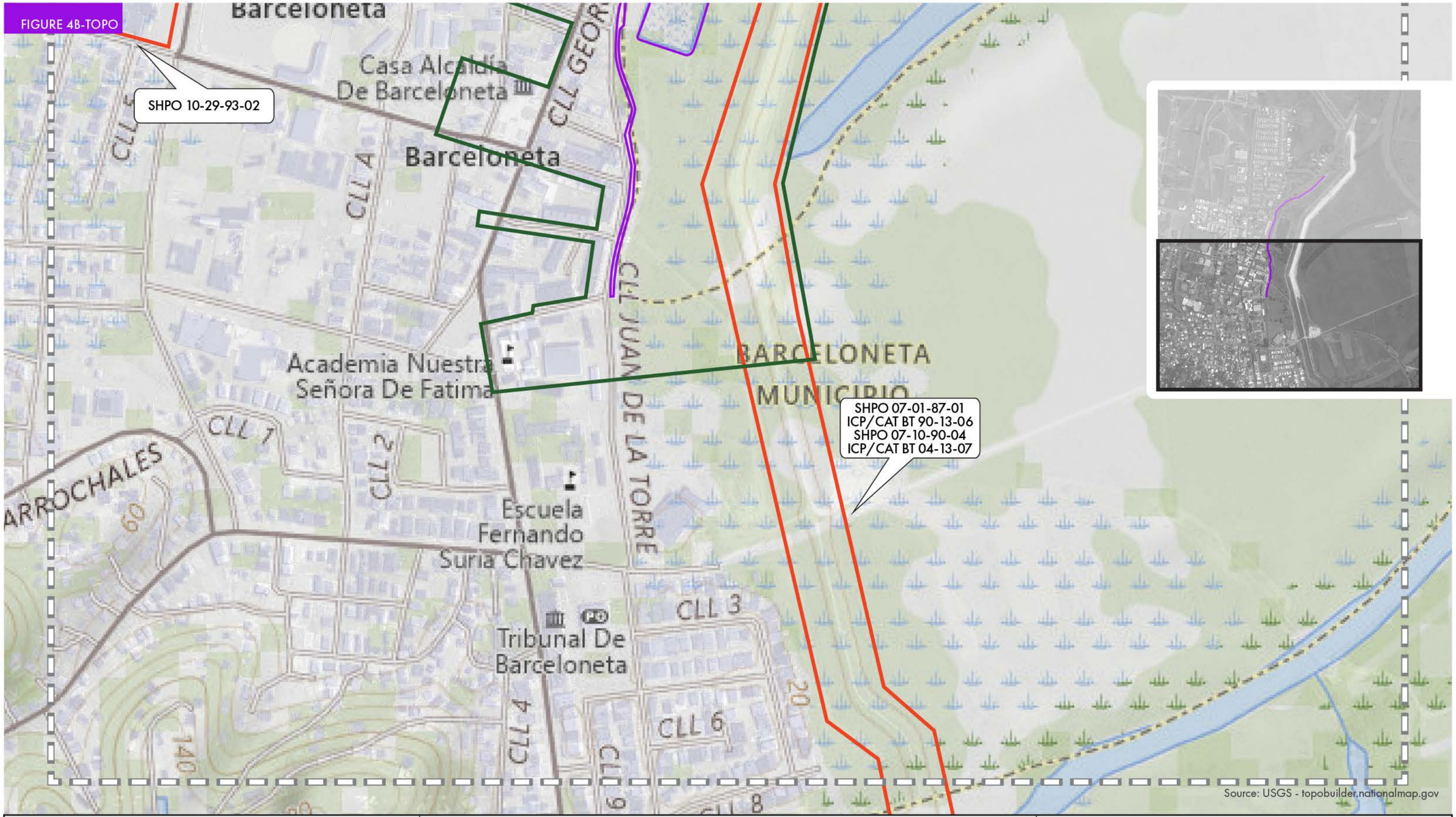
0 0.36 Miles

Project (Parcel) Location with Identified Archaeological Surveys
Topographic Map (Num. 1 of 2 maps)

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

Archaeological Surveys
Area of Potential Effects (APE)
Quarter mile area
Project Location

FIGURE 4B-TOPO



0 0.36 Miles

Project (Parcel) Location with Identified Archaeological Surveys
Topographic Map (Num. 2 of 2 maps)

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

Archaeological Surveys
Area of Potential Effects (APE)
Quarter mile area
Project Location

FIGURE 5A

Cn

To

W

To

MANATÍ

BARCELONETA

Source: Google Earth Pro

0 0.36 Miles

Project (Parcel) Location, Soils Map - Aerial (Num. 1 of 2 maps)

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

Cn	Coloso silty clay
RsF	Rock outcrop - San German complex
To	Toa silty clay
Ul	Urban Land
W	Water

Area of Potential Effects

Quarter mile area

Project Location

FIGURE 5B

0 0.36 Miles

Project (Parcel) Location, Soils Map - Aerial (Num. 2 of 2 maps)

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

- Cn Coloso silty clay
- RsF Rock outcrop - San German complex
- To Toa silty clay
- UI Urban Land
- W Water

- Area of Potential Effects
- Quarter mile area
- Project Location

FIGURE 6A

BA0100005

MA0100014

BA0100008

BA0100006(SHPO)
BT-35(ICP)

BA0100015

BA0100018

MA0100013

MANATÍ

BARCELONETA

Source: Google Earth Pro

0 0.36 Miles

Project (Parcel) Location with Previously Recorded Archaeological Resources - Aerial (Num. 1 of 2 maps)

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

Area of Potential Effects
Quarter mile area
Project Location

FIGURE 6B

BA0100050(SHPO)
BT-36(ICP)

BA0100002(SHPO)
BT-12(ICP)

Source: Google Earth Pro

0 0.36 Miles

Project (Parcel) Location with Previously Recorded Archaeological Resources - Aerial (Num. 2 of 2 maps)

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

- Area of Potential Effects
- Quarter mile area
- Project Location

FIGURE 6A-TOPO

BARCELONETA MUNICIPIO

CLL BATEY

AVE ESCOBAR

CONDE DE CASPE

BA0100005

MA0100014

BA0100008

BA0100006(SHPO)
BT-35(ICP)

BA0100015

684

BA0100018

CLL B

Ó CALLE C

CLL D

Municipio de

GETTI

MANATÍ
MUNICIPIO

MA0100013

Río

USGS - topobuilder.nationalmap.gov

0 0.36 Miles

Project (Parcel) Location with Previously Recorded Archaeological Resources - Topographic (Num. 1 of 2 maps)

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

Area of Potential Effects
Quarter mile area
Project Location

FIGURE 6B-TOPO

Casa Alcaldía De Barceloneta

Barceloneta

CLL A

CLL GEOR

CLL JUAN DE LA TORRE

BARCELONETA MUNICIPIO

BARCELONE MUNICIPIC

ademia Nuestra eñora De Fatima

CLL 1

CLL 2

ARROCHALES

Escuela Fernando Chavez

BA0100050(SHPO)
BT-36(ICP)

Tribunal De Barceloneta

CLL 3

CLL 4

CLL 6

CLL 6

CLL 8

BA0100002(SHPO)
BT-12(ICP)

60

140

20

USGS - topobuilder.nationalmap.gov

0 0.36 Miles

Project (Parcel) Location with Previously Recorded Archaeological Resources - Topographic (Num. 2 of 2 maps)

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

Area of Potential Effects
Quarter mile area
Project Location

FIGURE 7

0 0.36 Miles

Project (Parcel) Location with NRHP Listed or Eligible Historic Properties - Aerial

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

1 Escuela Rafael Balseiro Maceira
2 Plaza del Ancón
3 Second Barceloneta Plaza (Currently, church parking lot)
4 Iglesia Ntra. Sra. del Carmen
5 Old Casa Alcaldía
6 Plaza José Cordero Rosario
7 Casa Alcaldía de Barceloneta
8 Proposed north platform
9 Proposed south platform
QM Escuela de Bellas Artes de Barceloneta
NRHP - Listed
NRHP - Eligible
QM Quarter Mile

Area of Potential Effects (APE)
Project Location

FIGURE 8

Oficina de Sistemas de Información Geográfica de Puerto Rico,
(Puerto Rico Department of Transportation and Public Works)
Photo No. K-22-62

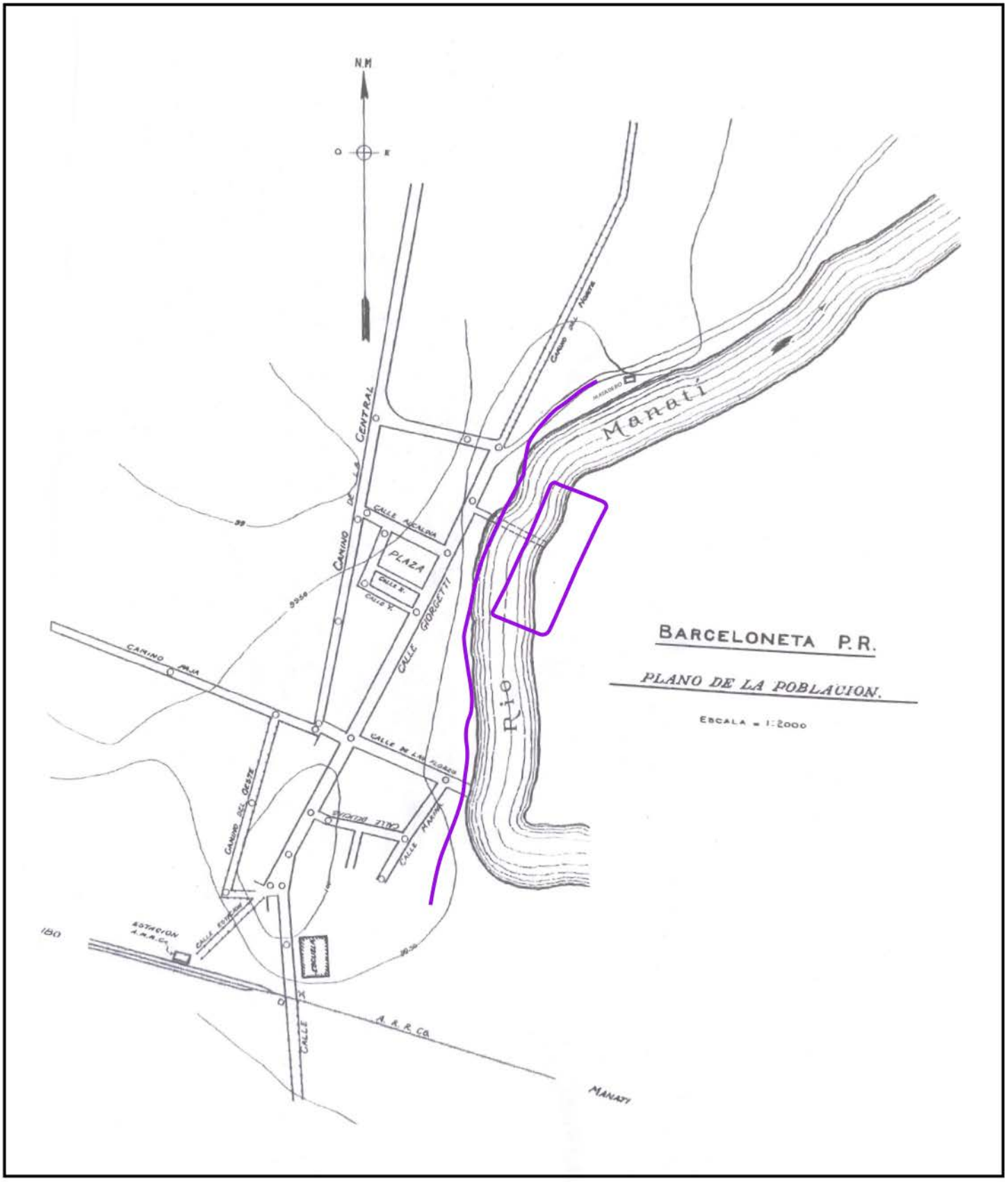
0 0.36 Miles

Project (Parcel) Location Historic Aerial Photograph - 1936

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

Area of Potential Effects (APE)
Project Location

FIGURE 9

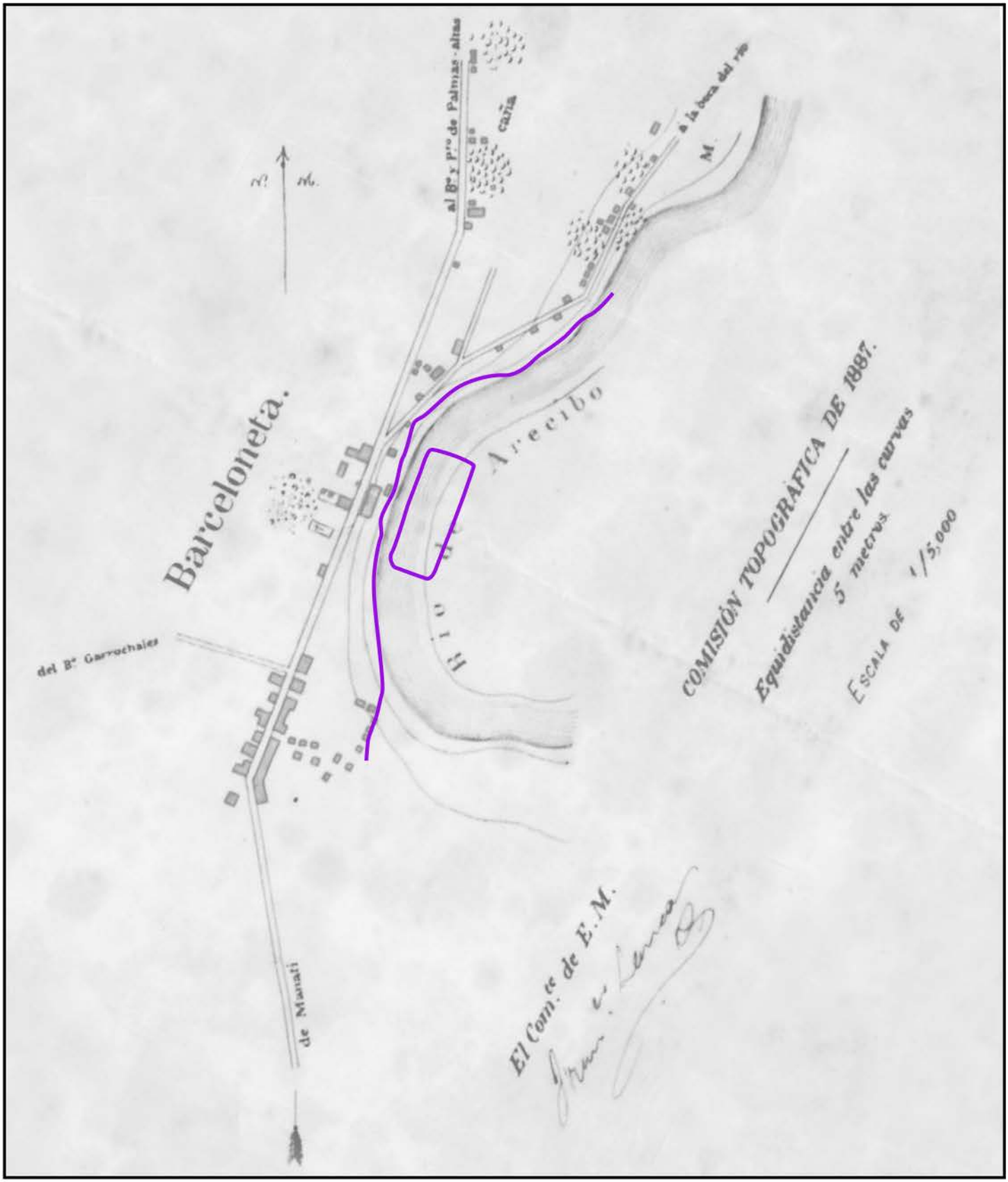


"Barceloneta Plano de la Población, c. 1910," "Archivo General," P Siegel, "Phase II Archaeological Evaluations, Río Grande de Manatí Flood Control Project, Municipio de Barceloneta, Puerto Rico"

Project Location

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

FIGURE 10



"Barceloneta - Comisión Topográfica de 1887," A Sepulveda, *Puerto Rico Urbano Atlas Histórico de la Ciudad Puertorriqueña*

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

Project Location

FIGURE 11

Oficina de Sistemas de Información Geográfica de Puerto Rico,
(Puerto Rico Department of Transportation and Public Works)
Photo No. ELT-200-134

0 0.36 Miles

Project (Parcel) Location Historic Aerial Photograph - 1963

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

Area of Potential Effects (APE)
Project Location

FIGURE 12

N

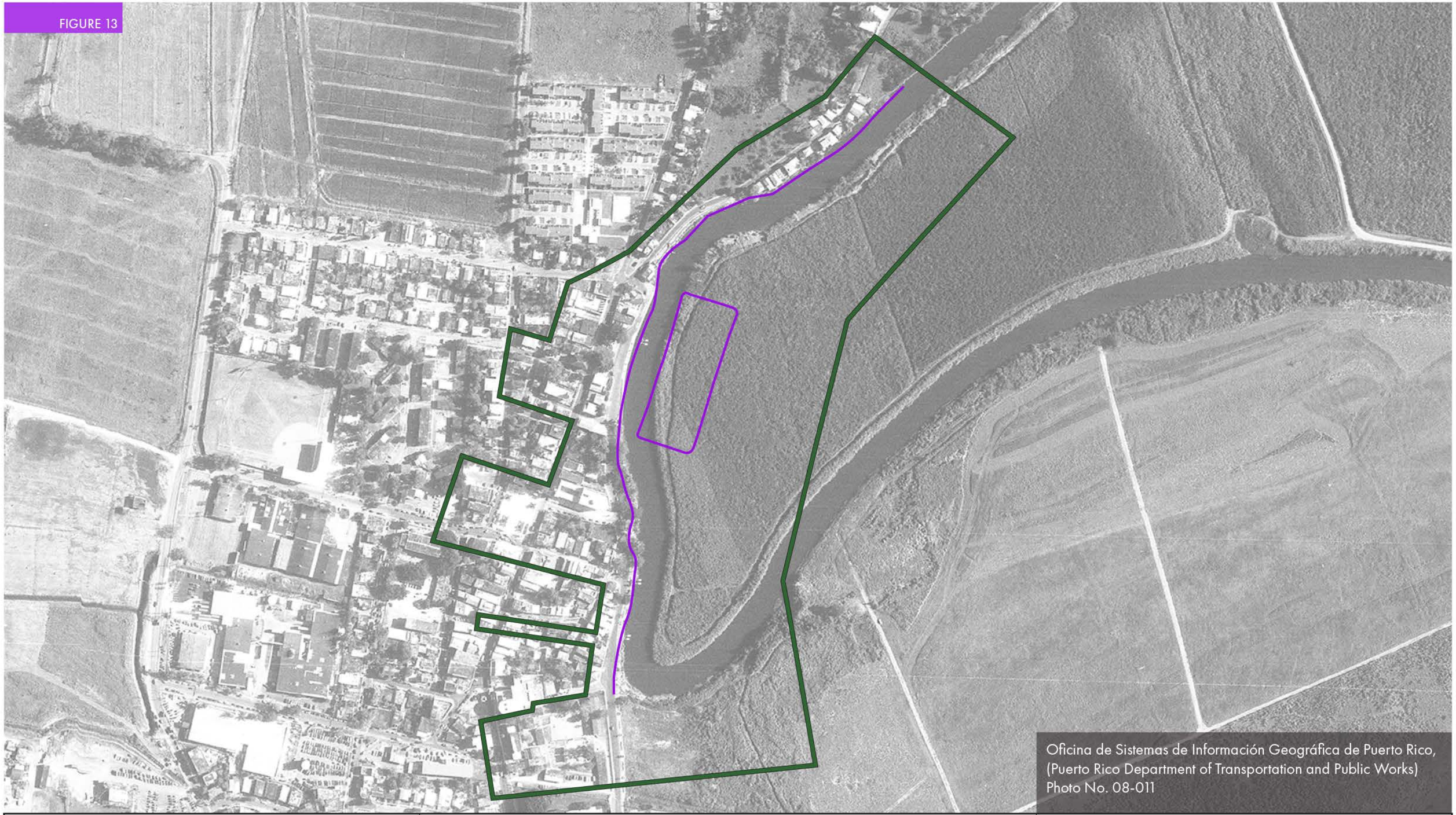
0 0.36 Miles

Project (Parcel) Location Historic Aerial Photograph - 1971

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

Area of Potential Effects (APE)
Project Location

FIGURE 13



Oficina de Sistemas de Información Geográfica de Puerto Rico, (Puerto Rico Department of Transportation and Public Works) Photo No. 08-011

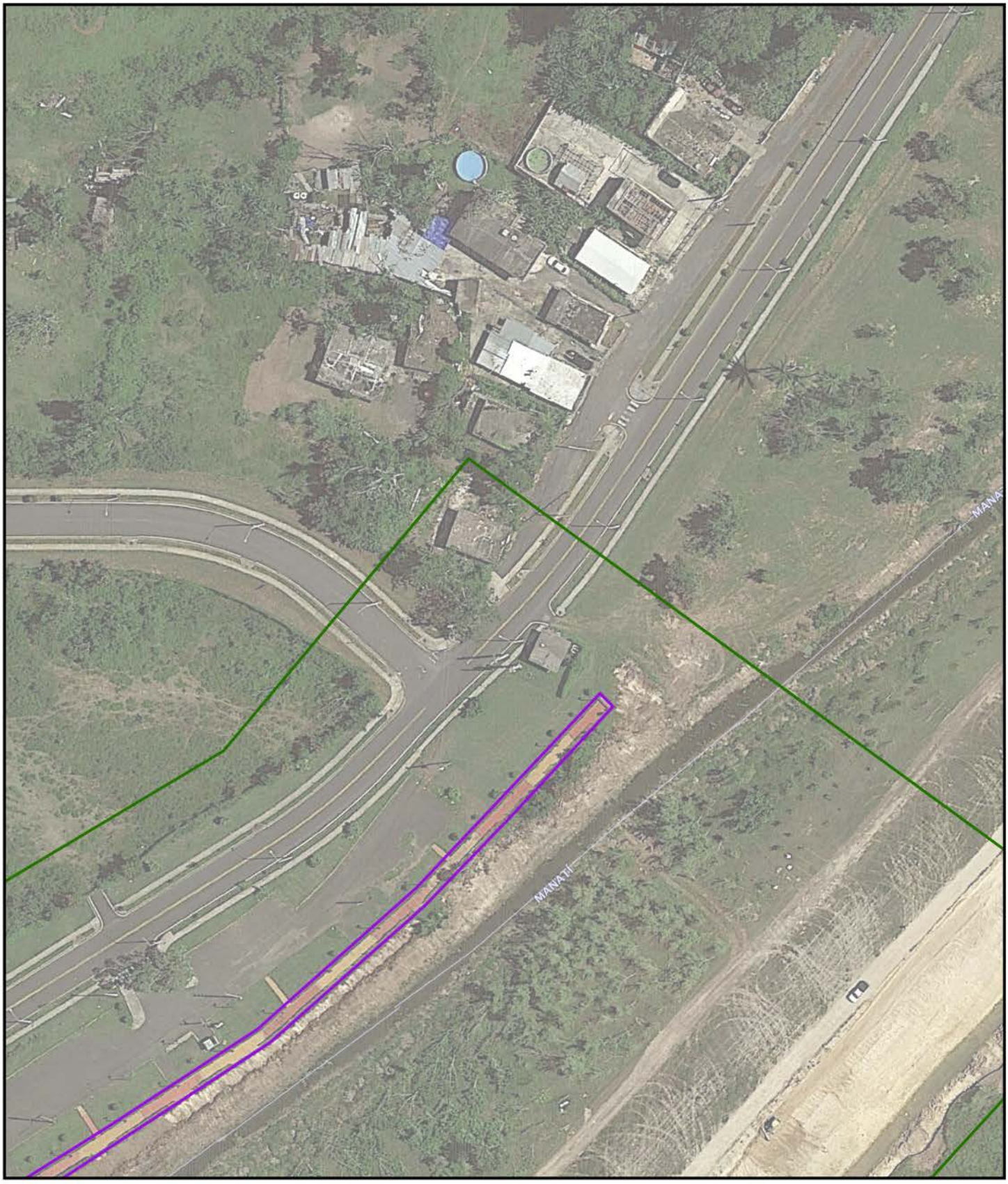
0 0.36 Miles

Project (Parcel) Location Historic Aerial Photograph - 1989

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

Area of Potential Effects (APE)
Project Location

FIGURE 14



2018 Aerial View showing portion of the Paseo and the north sector of the Area of Potential Effects, Google Earth Pro

PR-CRP-000541 - PASEO JUAN DE LA TORRE
MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

Project Location

Area of Potential Effects

PHOTOS OF
NRHP-LISTED AND NRHP-ELIGIBLE HISTORIC PROPERTIES

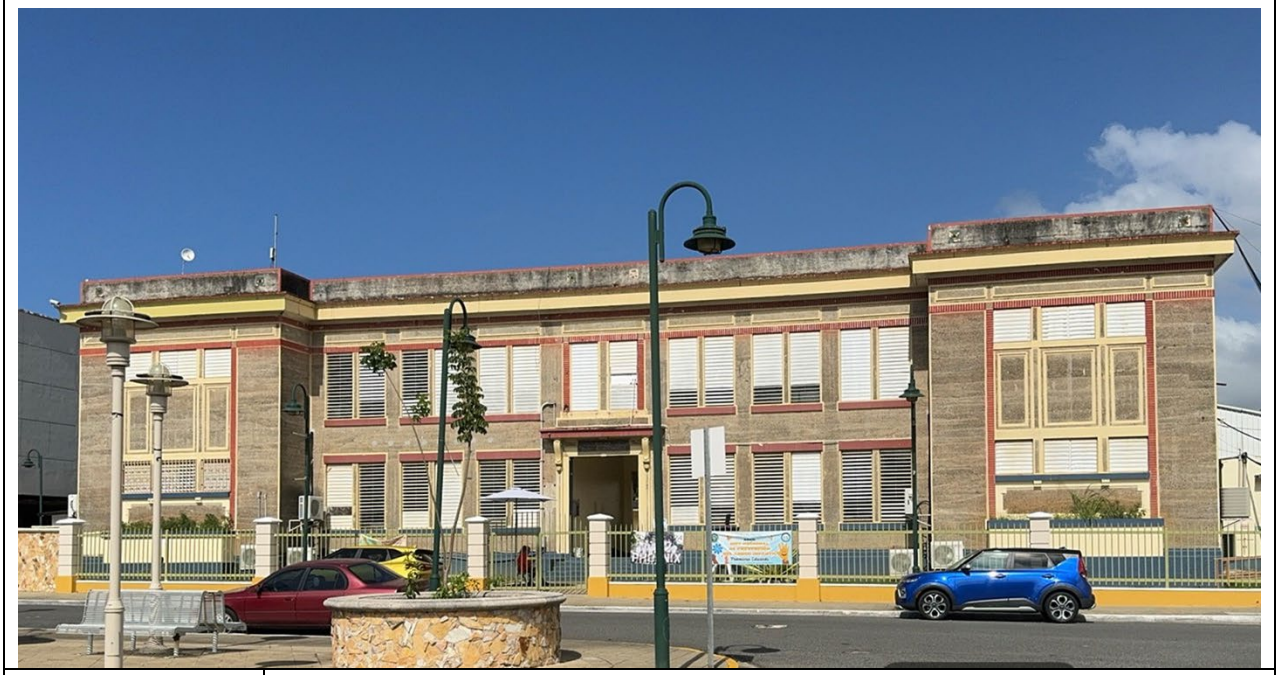


Photo #: 1	**Description (include direction):**
Date: April 2, 2024	West facade Escuela Rafael Balseiro Maceira; NRHP-listed; looking east

Photo #: 2	**Description (include direction):**
Date: April 16, 2024	From the northeast corner of Plaza del Ancón, looking to the southwest

Photo #: 3 **Date:** April 16, 2024	**Description (include direction):** From the northeast corner of the Second Barceloneta Plaza looking to the southwest.

Photo #: 4 **Date:** April 16, 2024	**Description (include direction):** Main façade of the Iglesia Nuestra Senora del Carmen looking to the northwest.

Photo #: 5 **Date:** April 16, 2024	**Description (include direction):** Old Casa Alcaldía looking from Plaza del Ancón to the southwest.

Photo #: 6 **Date:** April 16, 2024	**Description (include direction):** Plaza José Cordero Rosario, looking to the northwest.

Photo #: 7 Date: April 16, 2024	Description (include direction): Main façade of the Casa Alcaldía de Barceloneta looking to the north.

Photo #: Date:	Description (include direction):

Photo #: 8	Description (include direction):
Date: April 2, 2024	Proposed North Platform area looking to the west.

Photo #: 9	Description (include direction):
Date: April 2, 2024	Proposed South Platform area looking west.

PHOTOS OF
VISUAL AREA OF POTENTIAL EFFECTS

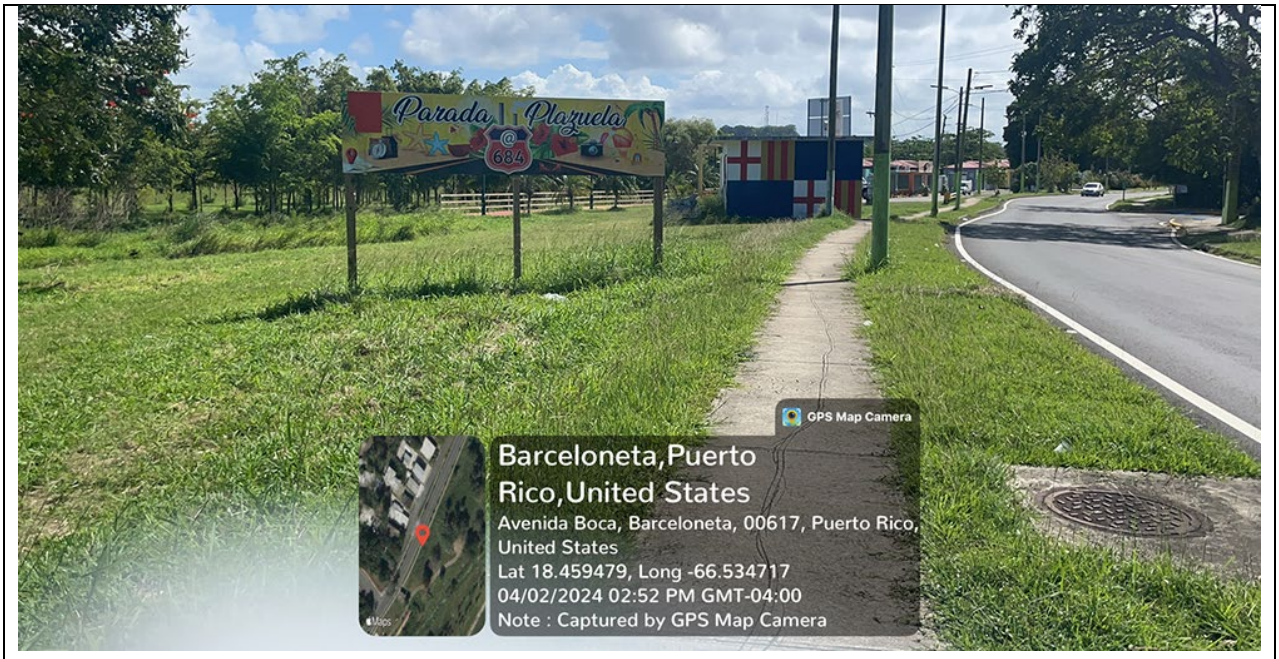


Photo #: 1	**Description (include direction):**
Date: April 2, 2024	North sector of the APE looking south.

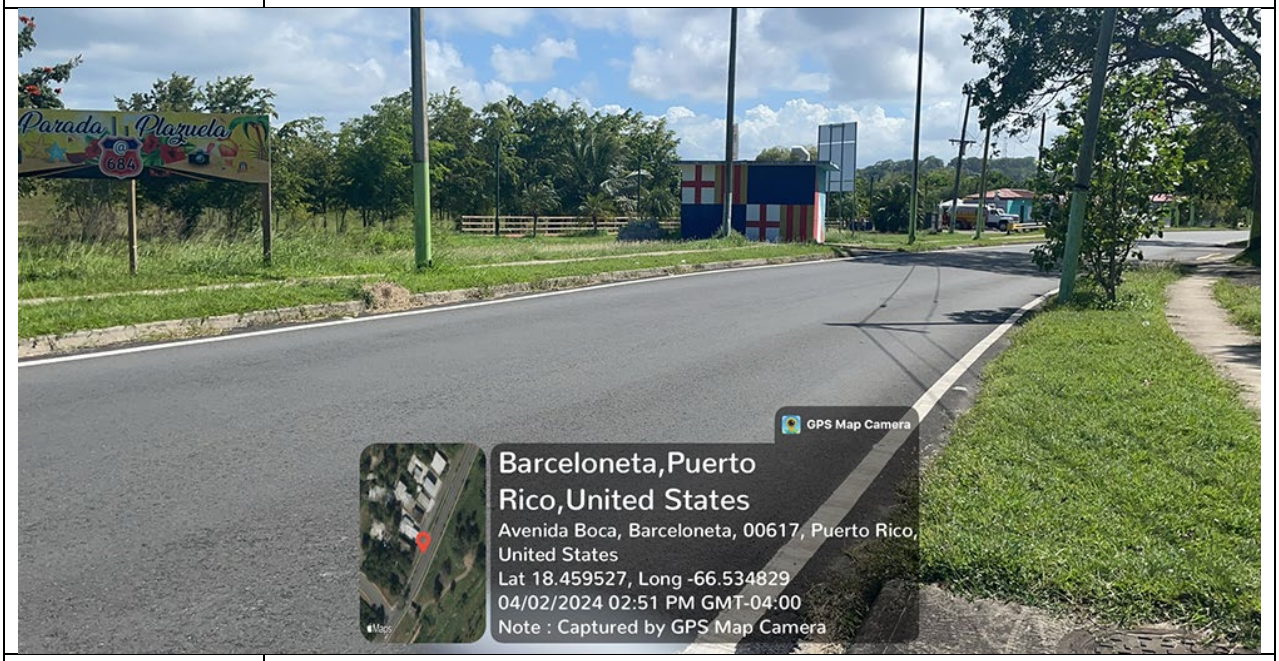


Photo #: 2	**Description (include direction):**
Date: April 2, 2024	North sector of the APE looking southeast.

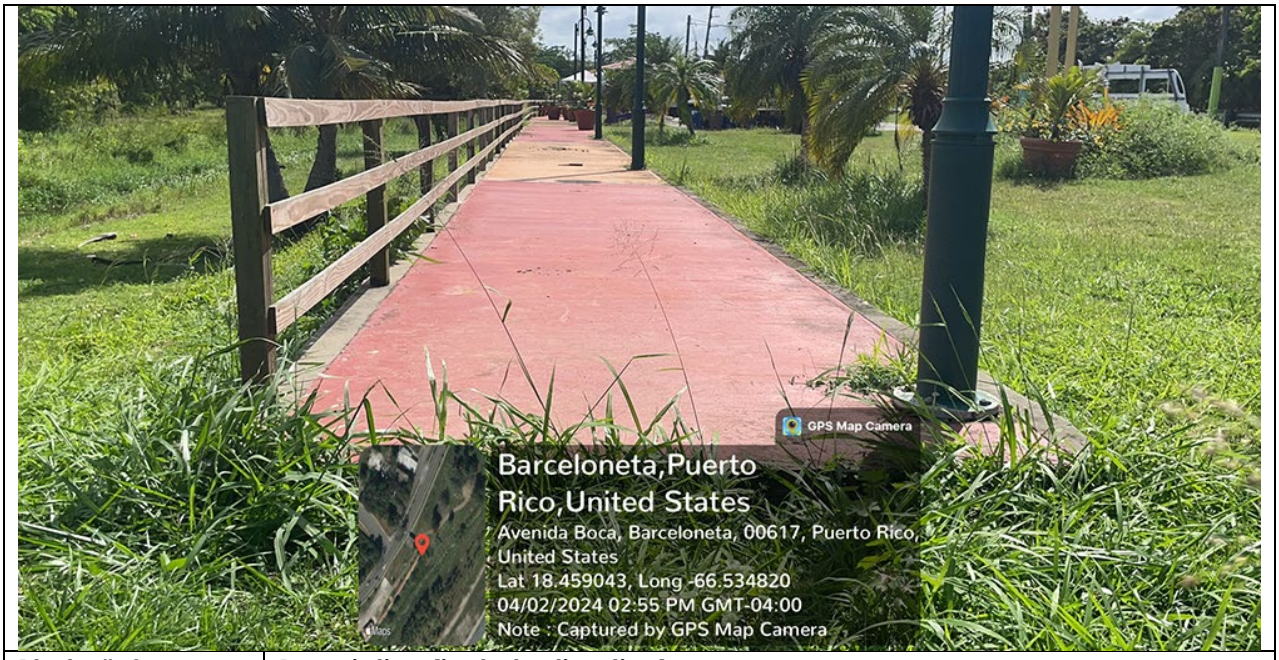


Photo #: 3	**Description (include direction):**
Date: April 2, 2024	View of the north section of the Paseo looking south.

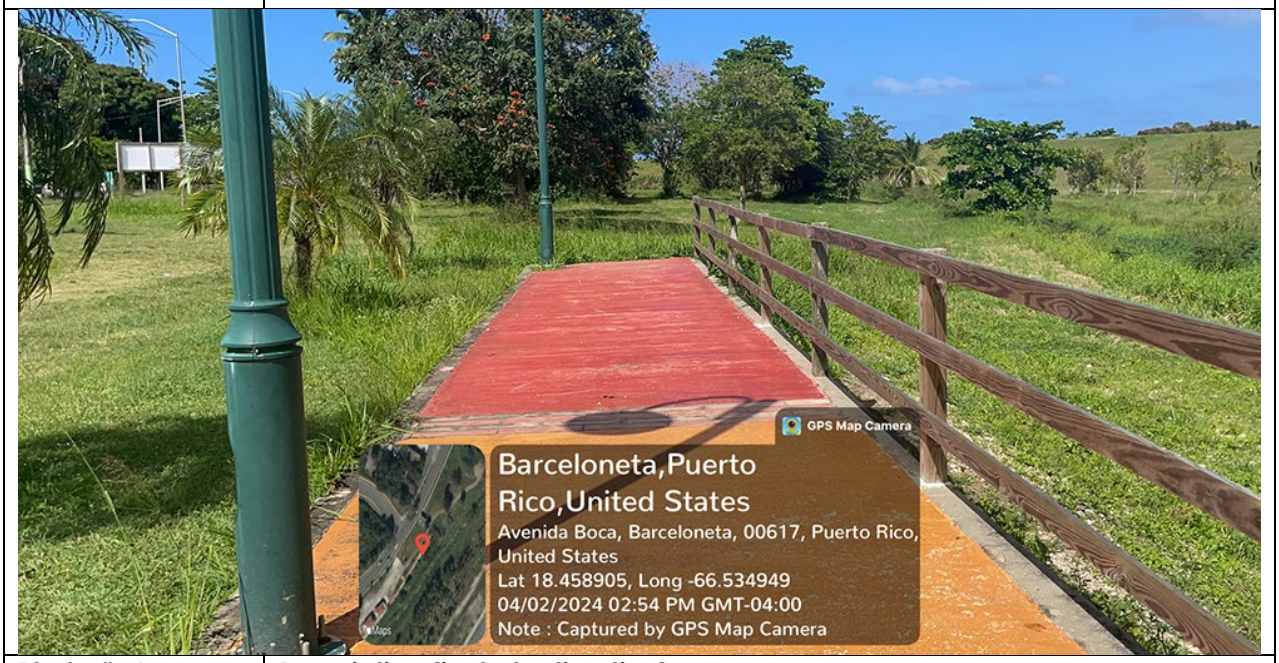


Photo #: 4	**Description (include direction):**
Date: April 2, 2024	North section of the Paseo looking north.

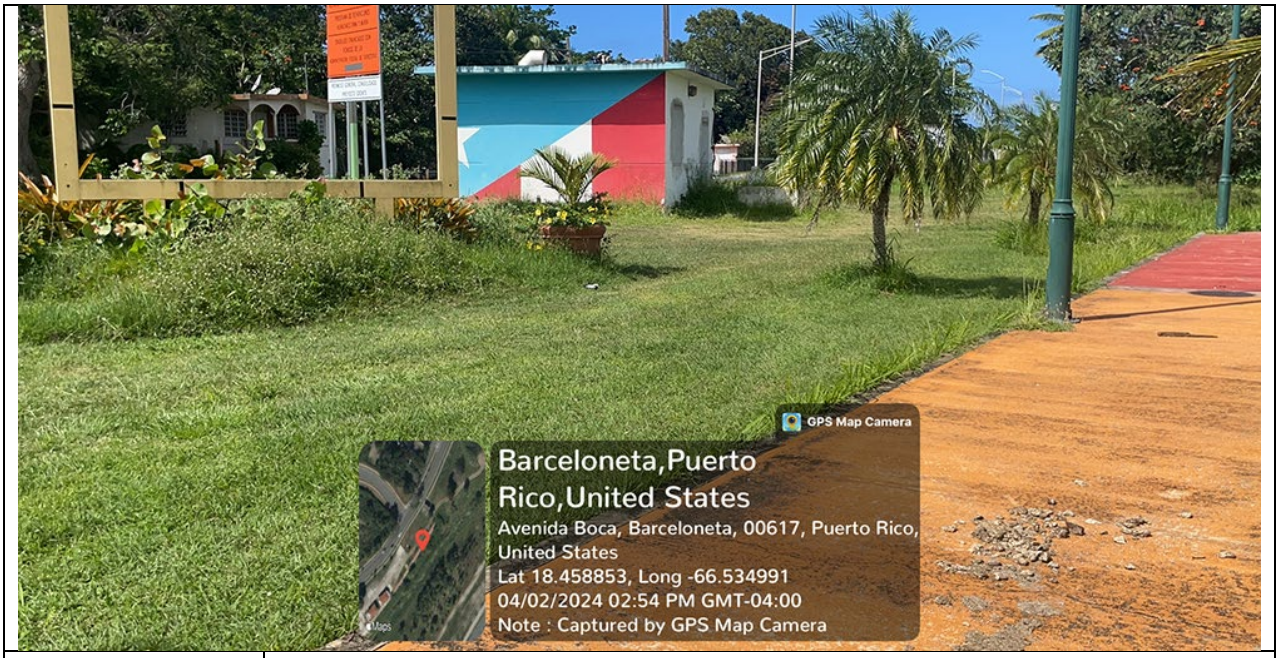


Photo #: 5	**Description (include direction):**
Date: April 2, 2024	North section of the Paseo looking to the northwest.

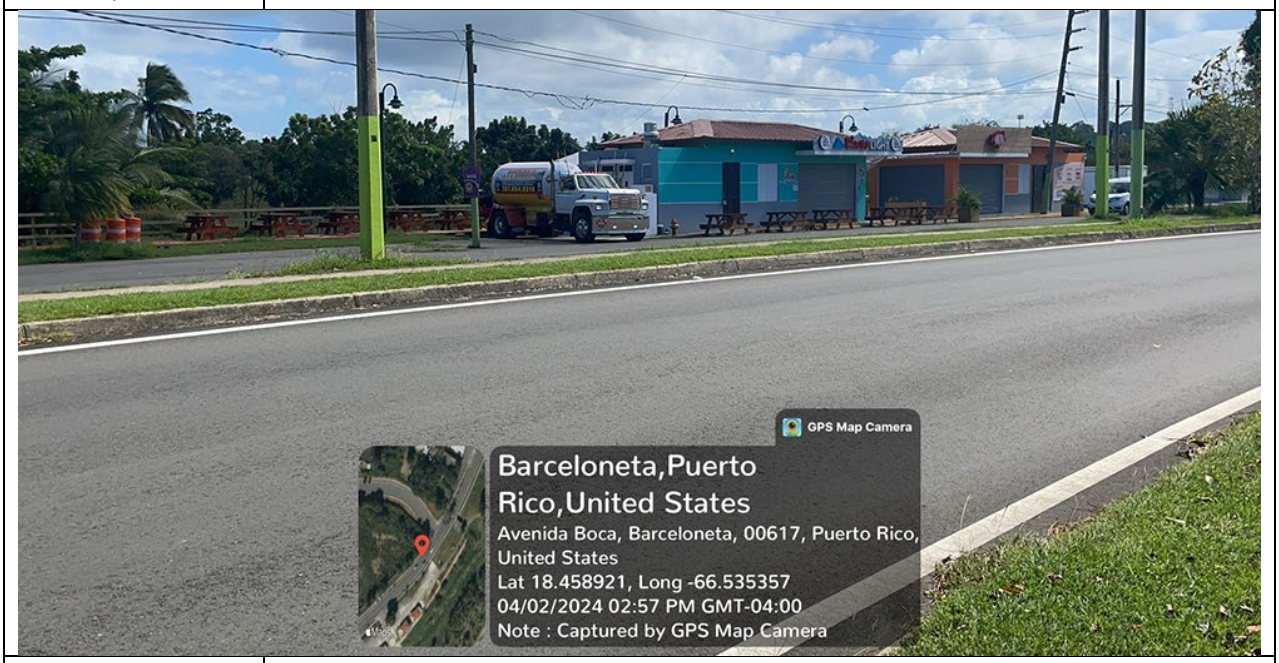


Photo #: 6	**Description (include direction):**
Date: April 2, 2024	Section of the APE from the Paseo looking to the northeast.

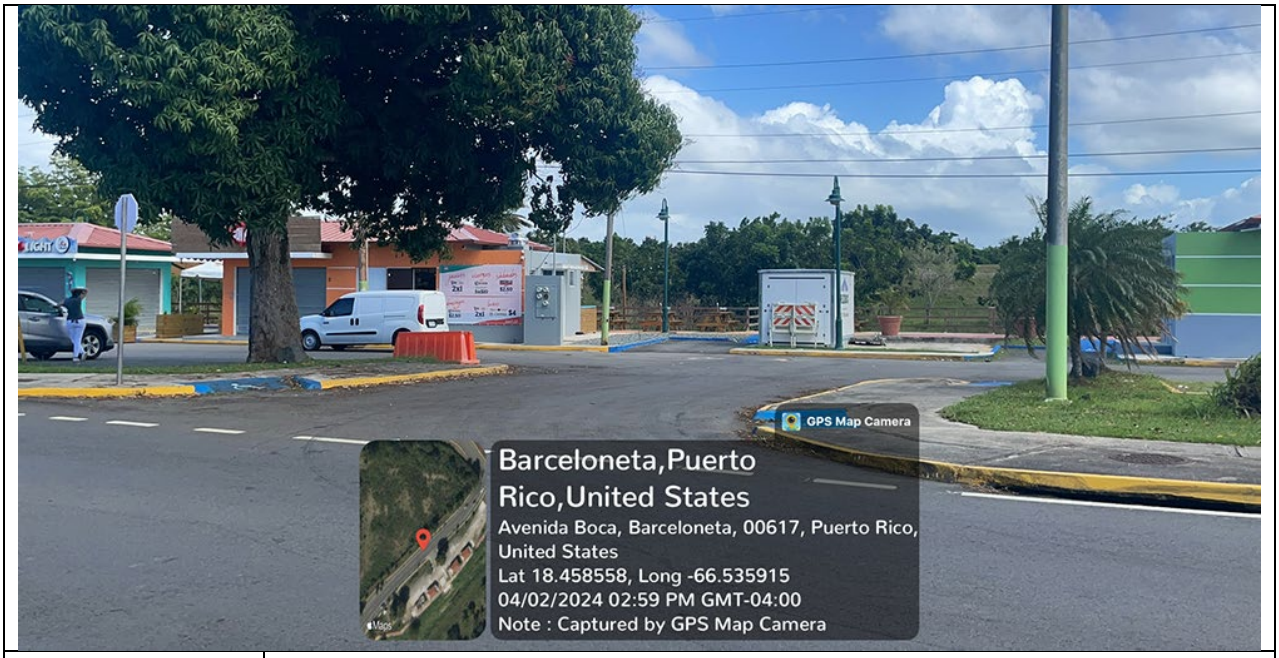


Photo #: 7	**Description (include direction):**
Date: April 2, 2024	View of the Paseo from the Municipality's Paseo's parking looking to the east.

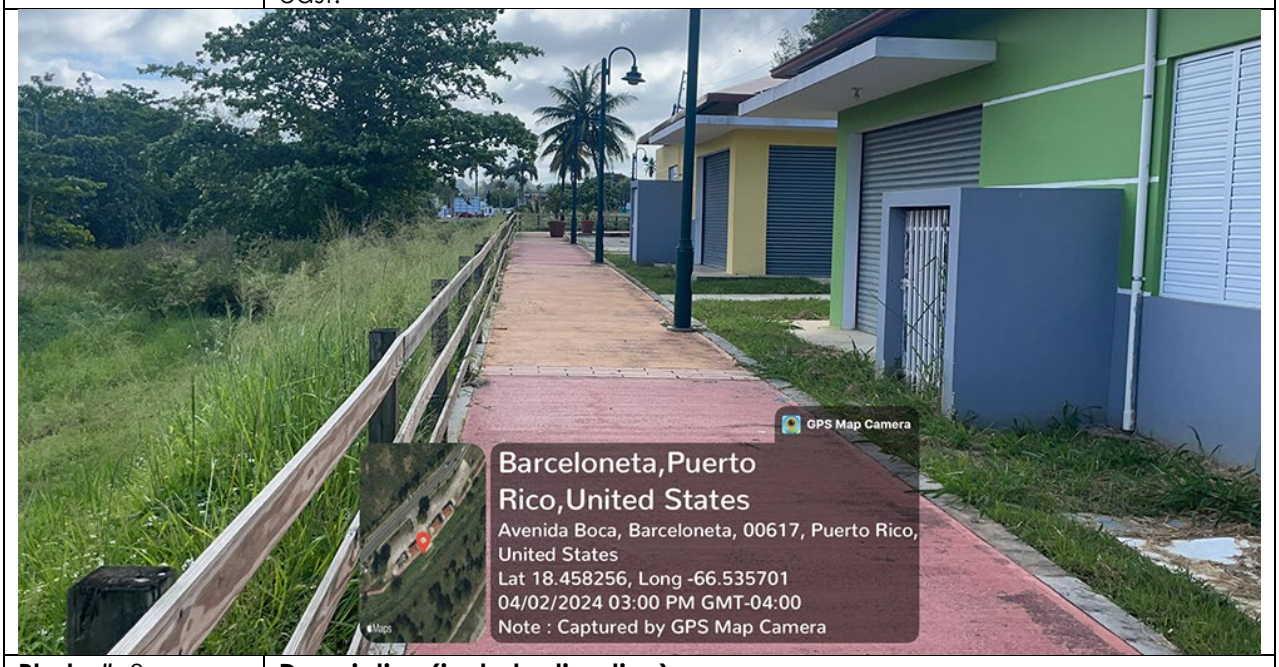


Photo #: 8	**Description (include direction):**
Date: April 2, 2024	North section of the Paseo with the Municipality's kiosks looking to the south.

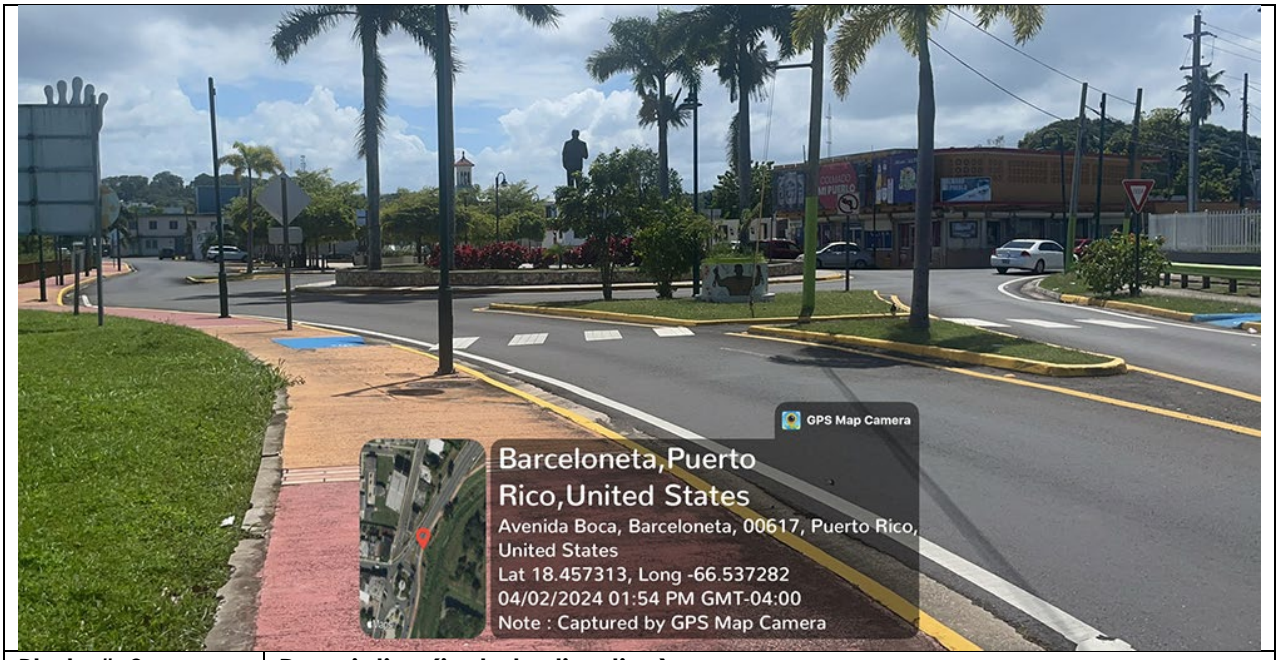


Photo #: 9	**Description (include direction):**
Date: April 2, 2024	View from the Paseo towards the Juan de la Torre Street and Conde de Caspe Avenue looking to the southwest.

Photo #: 10	**Description (include direction):**
Date: April 2, 2024	View from the Paseo towards the Juan de la Torre Street and Conde de Caspe Avenue looking to the northwest.

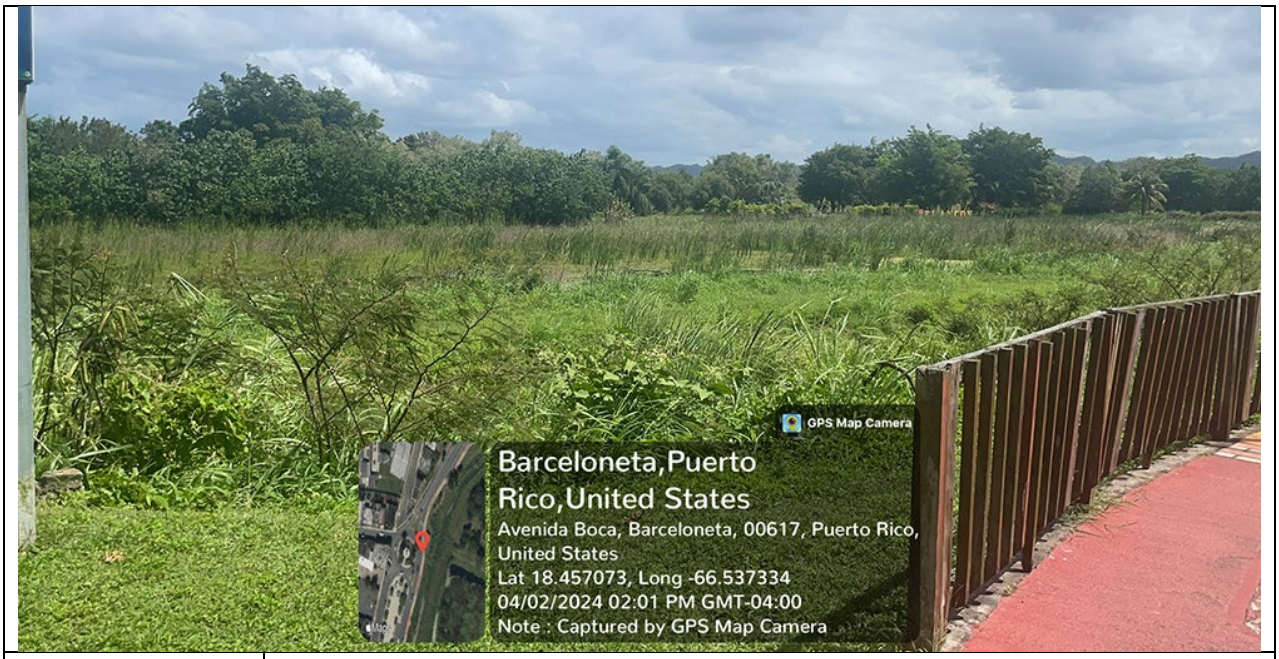


Photo #: 11 **Date:** April 2, 2024	**Description (include direction):** View of the man-made pond from the Paseo looking to the east.

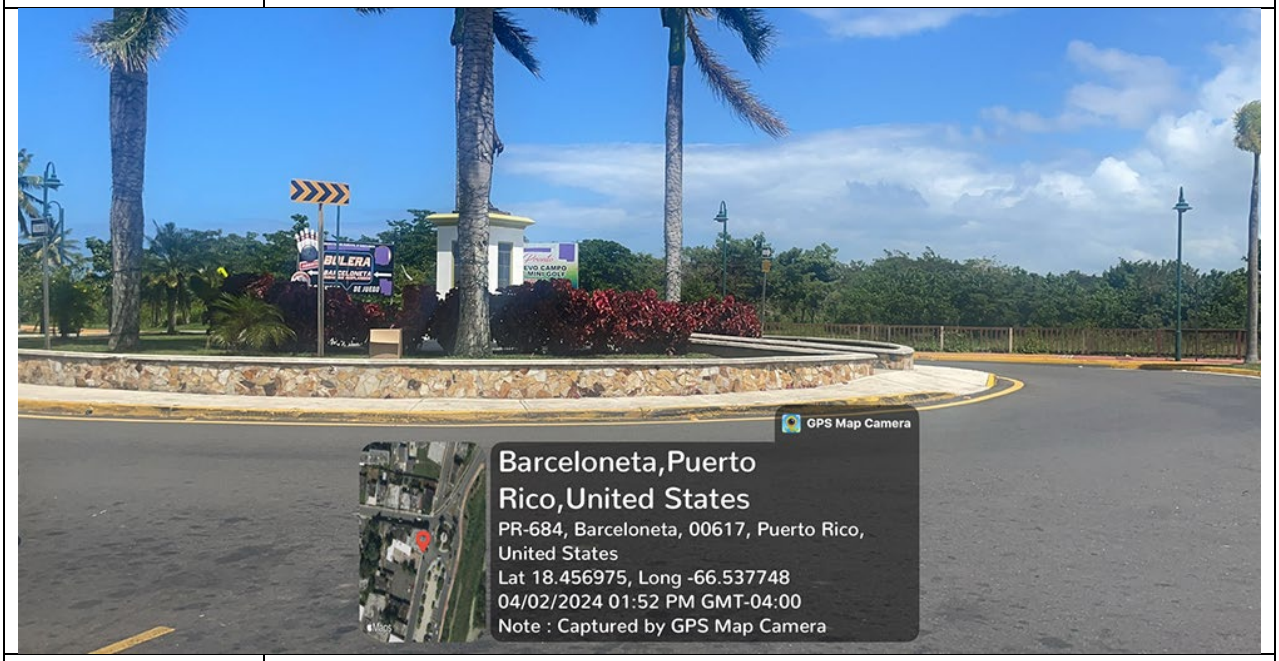


Photo #: 12 **Date:** April 2, 2024	**Description (include direction):** View from Georgetti Street towards the Paseo looking to the east.

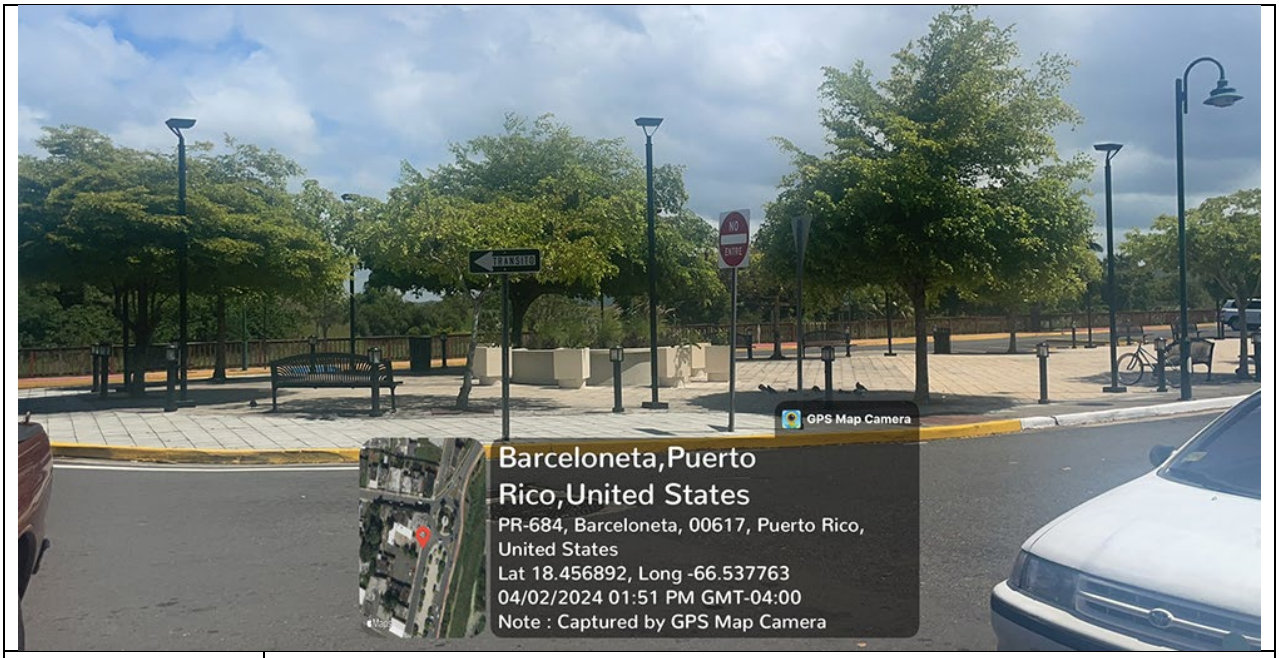


Photo #: 13 **Date:** April 2, 2024	**Description (include direction):** View from Georgetti Street towards the Paseo and the Plaza del Ancón looking to the east.

Photo #: 14 **Date:** April 2, 2024	**Description (include direction):** View from the Paseo towards the Juan de la Torre Street looking to the northwest.

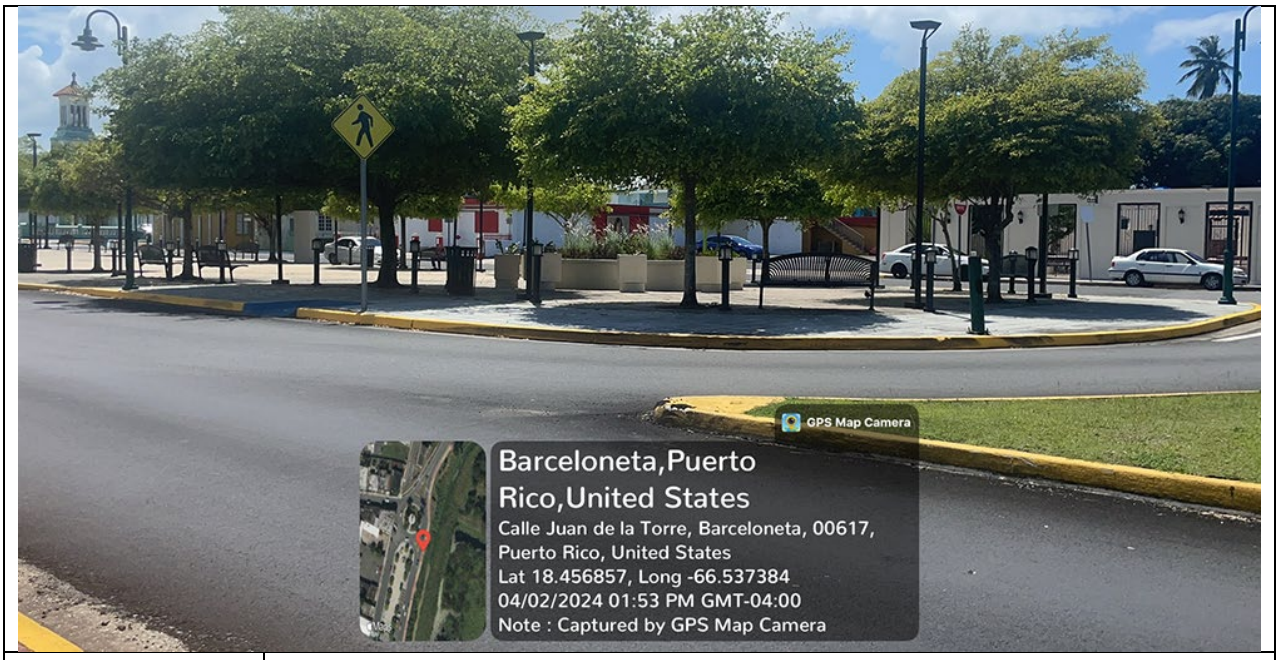


Photo #: 15 **Date:** April 2, 2024	**Description (include direction):** View from the Paseo towards the Plaza del Ancón looking to the east.

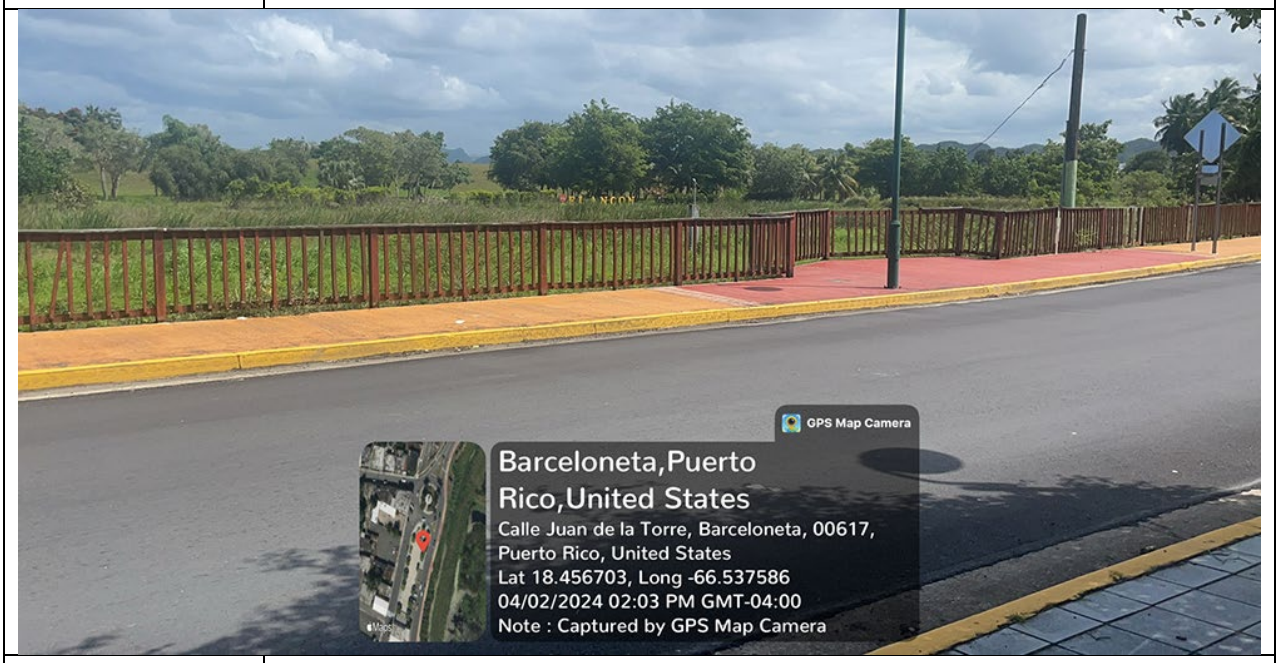


Photo #: 16 **Date:** April 16, 2024	**Description (include direction):** View from Plaza del Ancón towards the Paseo and the man-made pond looking to the east.

Photo #: 17	**Description (include direction):**
Date: April 2, 2024	View from the intersection of Georgetti and Ortiz Streets towards the Plaza del Ancón and the Paseo looking to the east.

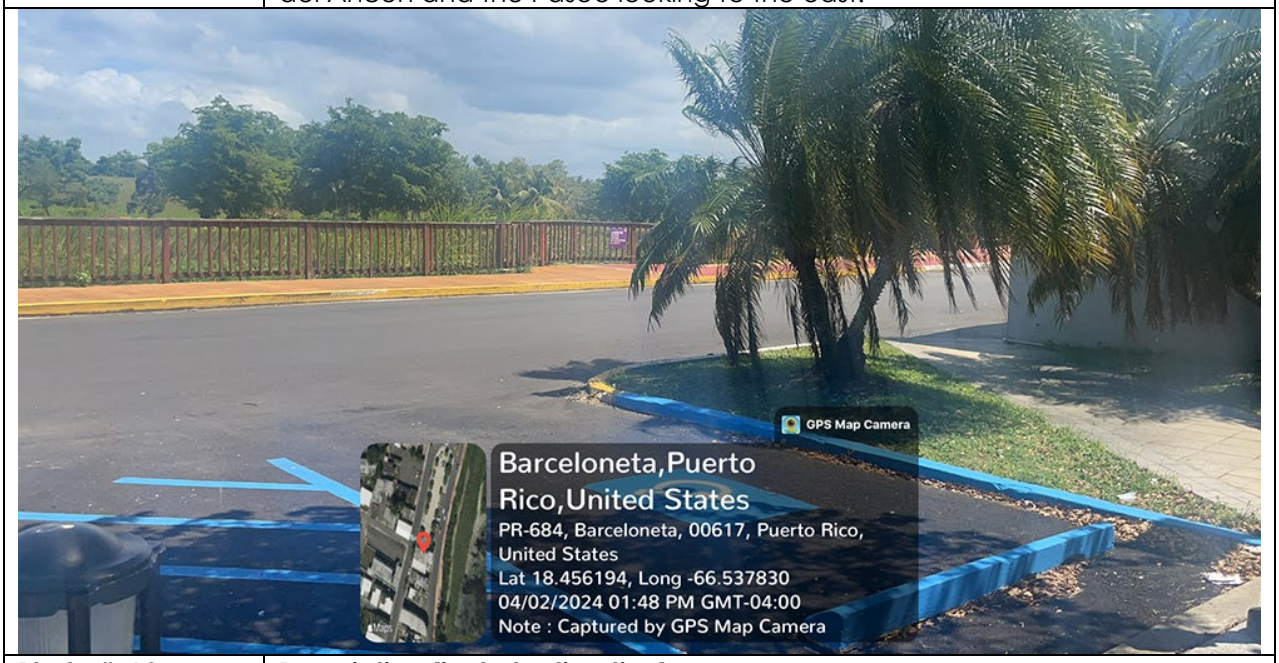


Photo #: 18	**Description (include direction):**
Date: April 2, 2024	View from the Plaza del Ancón towards the Paseo looking to the east.

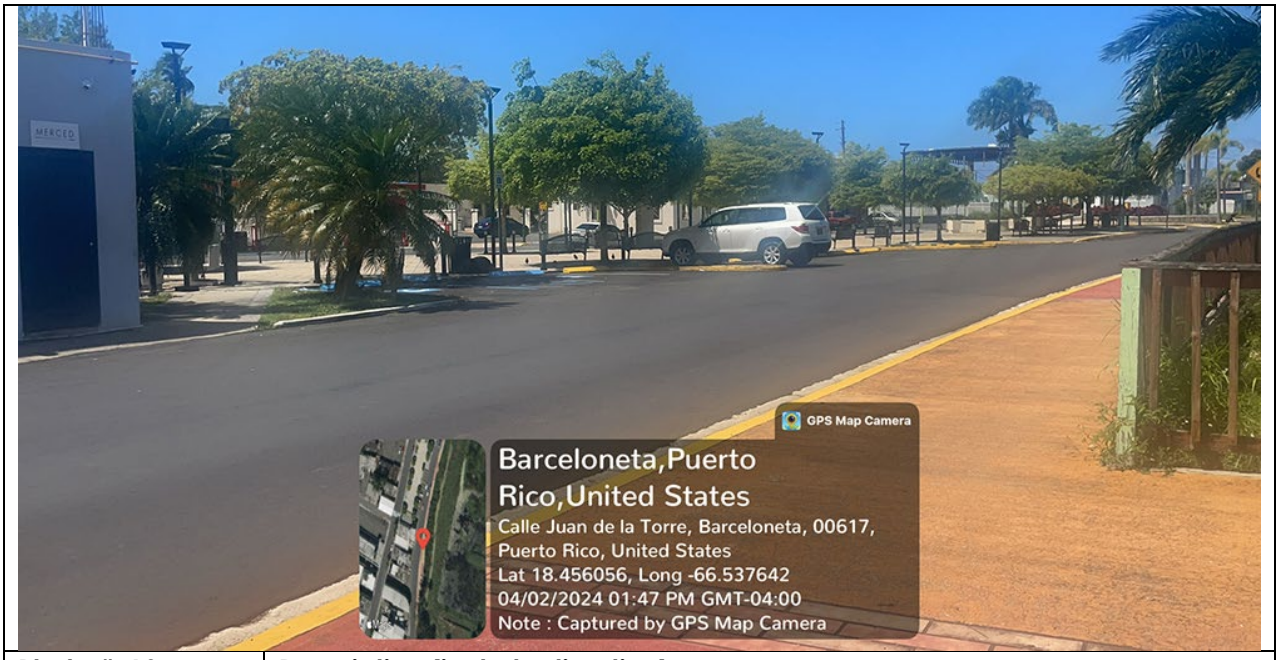


Photo #: 19 **Date:** April 2, 2024	**Description (include direction):** View from the Paseo towards the Plaza del Ancón looking to the northwest.

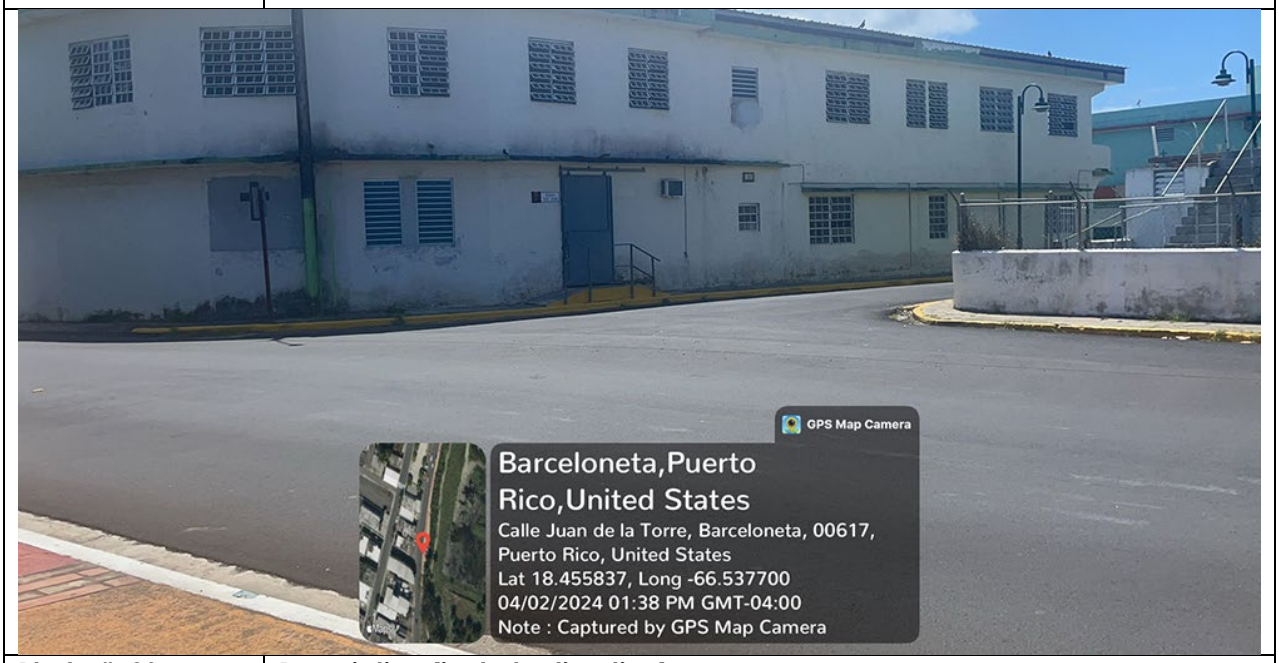


Photo #: 20 **Date:** April 2, 2024	**Description (include direction):** View from the Paseo towards Juan de la Torre Street and urban blocks looking to the west.

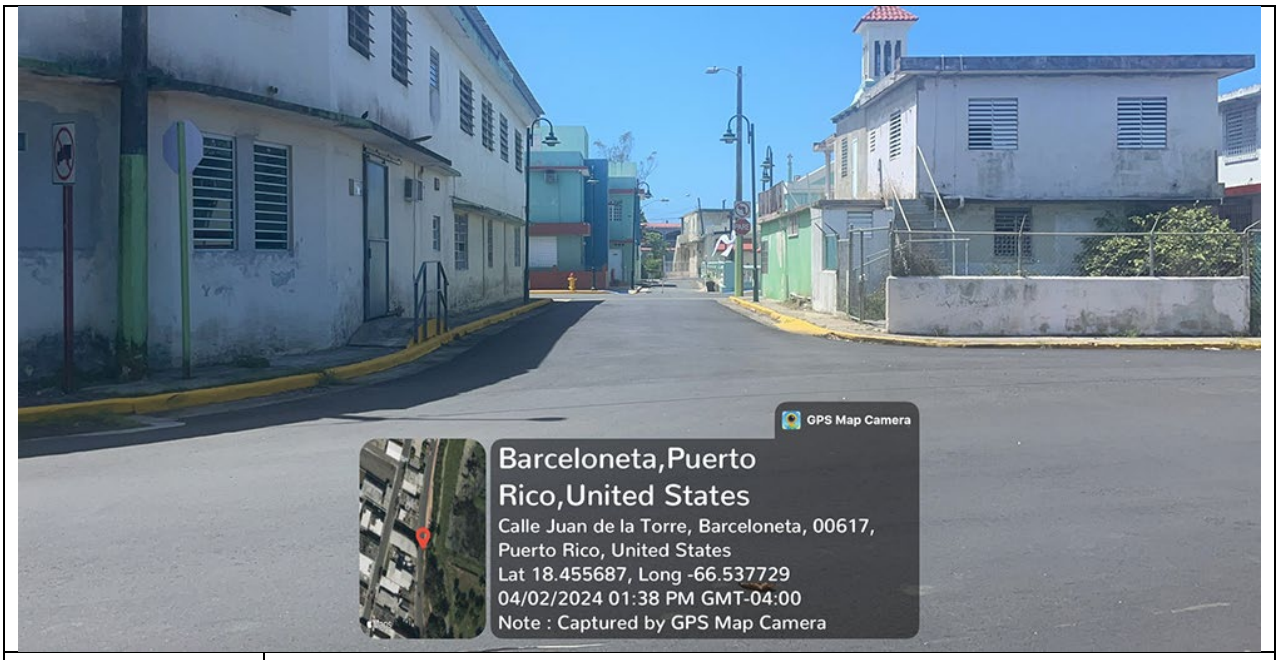


Photo #: 21 **Date:** April 2, 2024	**Description (include direction):** View from the Paseo towards the intersection of Juan de la Torre and Concordia Streets looking to the west.

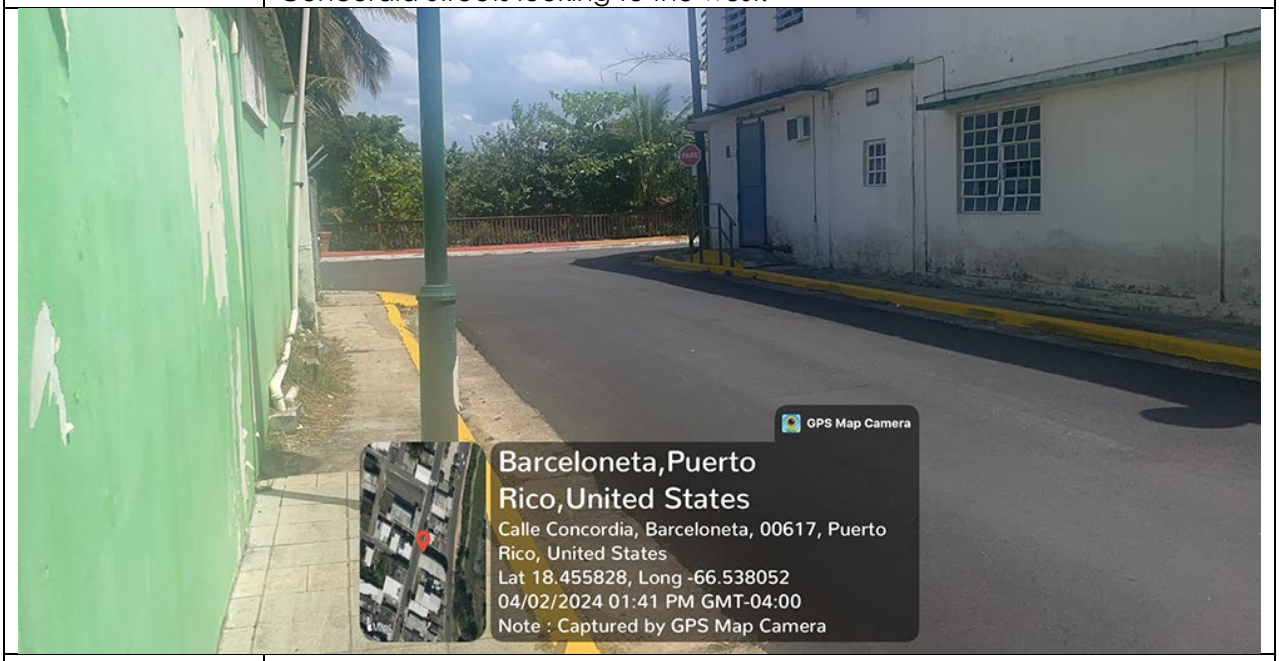


Photo #: 22 **Date:** April 2, 2024	**Description (include direction):** View from Concordia Street towards Juan the la Torre Street and the Paseo looking to the east.

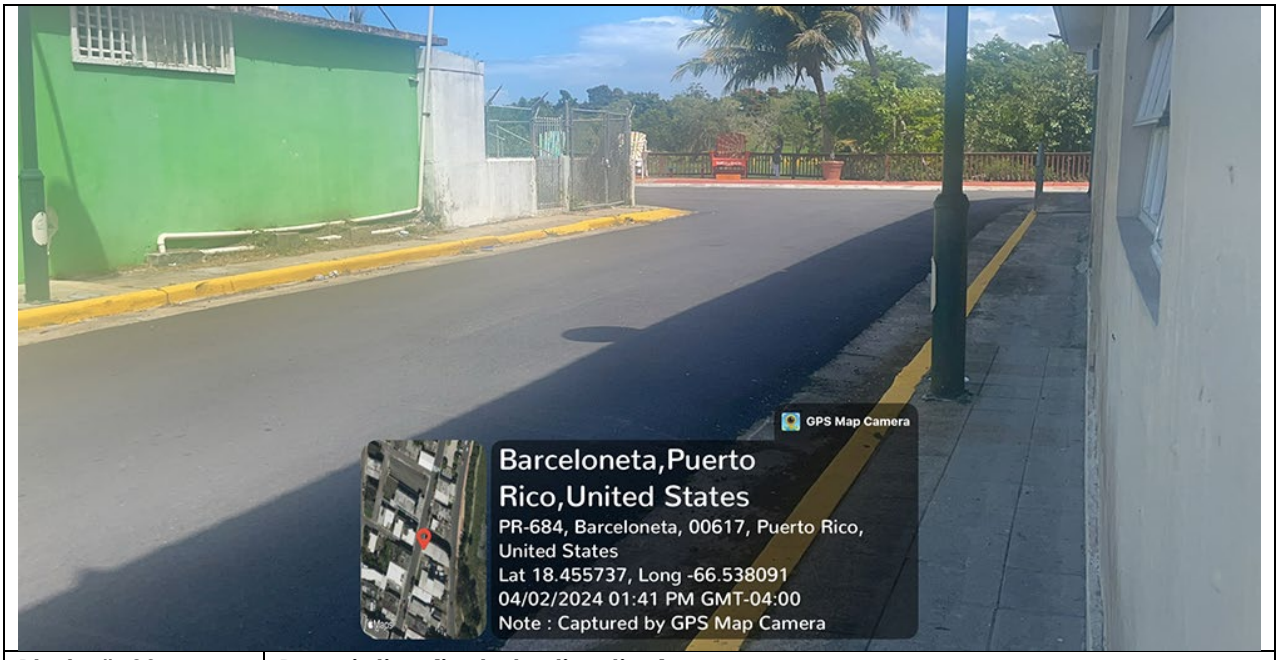


Photo #: 23 **Date:** April 2, 2024	**Description (include direction):** View from Concordia Street towards Juan de la Torre Street and the Paseo looking to the east.

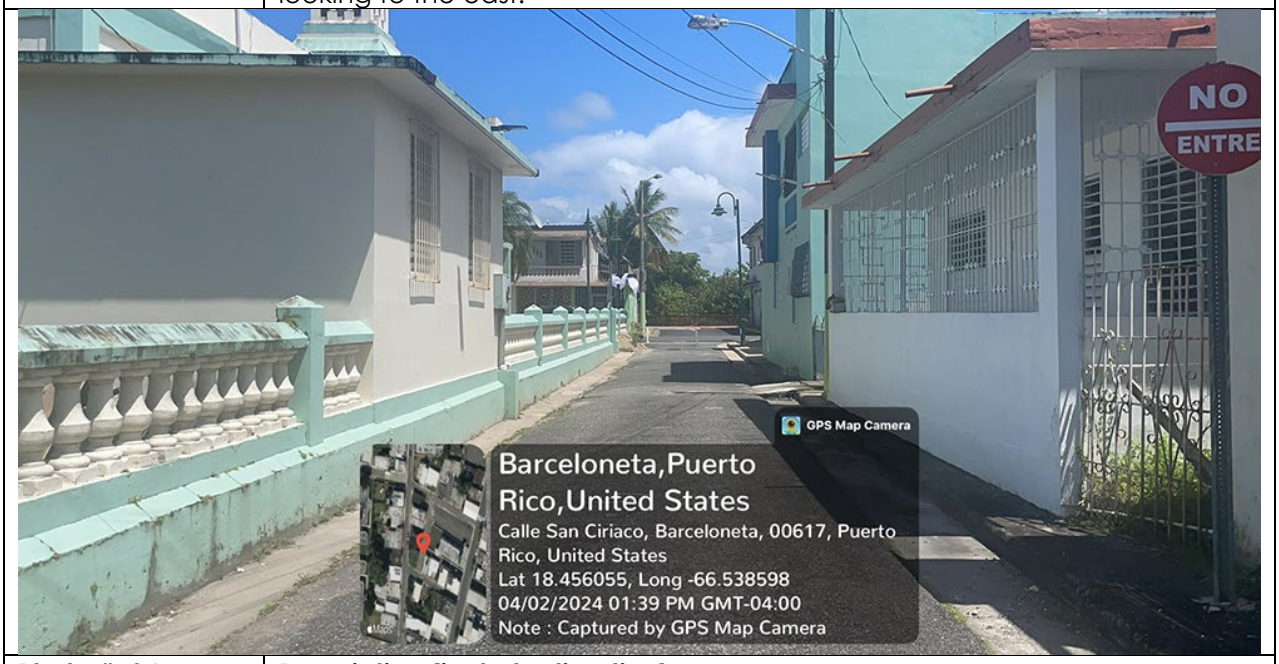


Photo #: 24 **Date:** April 2, 2024	**Description (include direction):** View from the Nuestra Señora de la Concepción Church (on the left) towards Juan de la Torre Steet and the Paseo looking to the east.

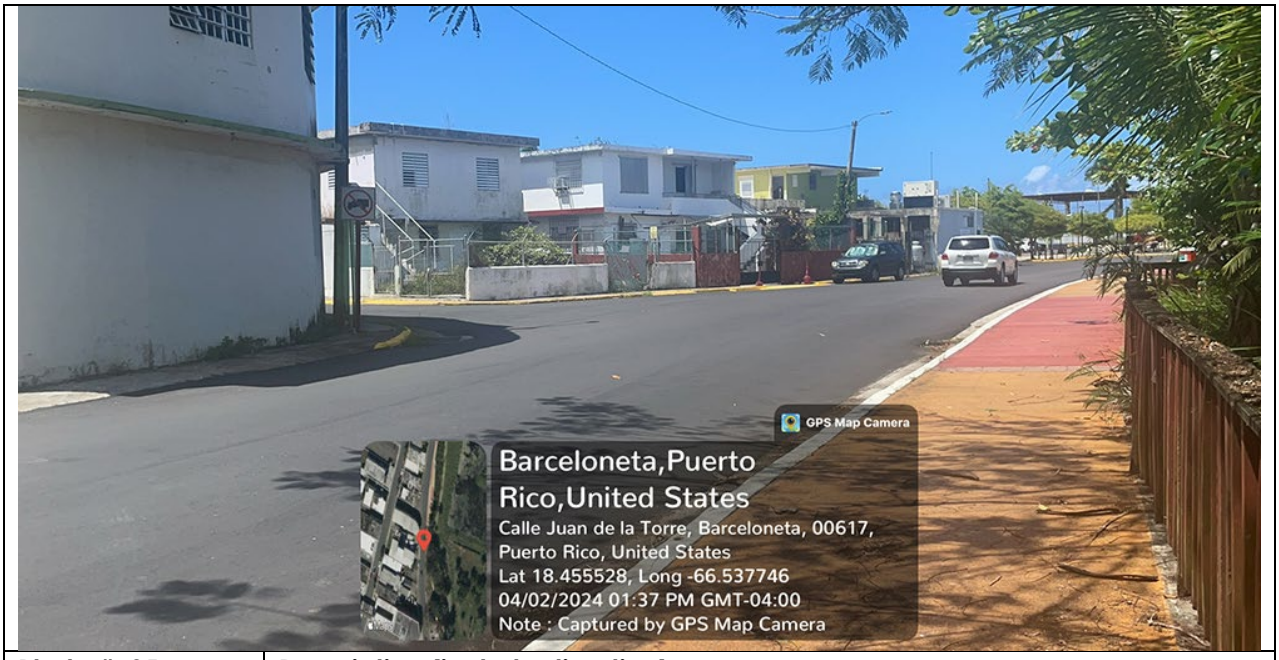


Photo #: 25	**Description (include direction):**
Date: April 24, 2024	View from the Paseo towards Juan de la Torre Street and urban blocks looking to the north.

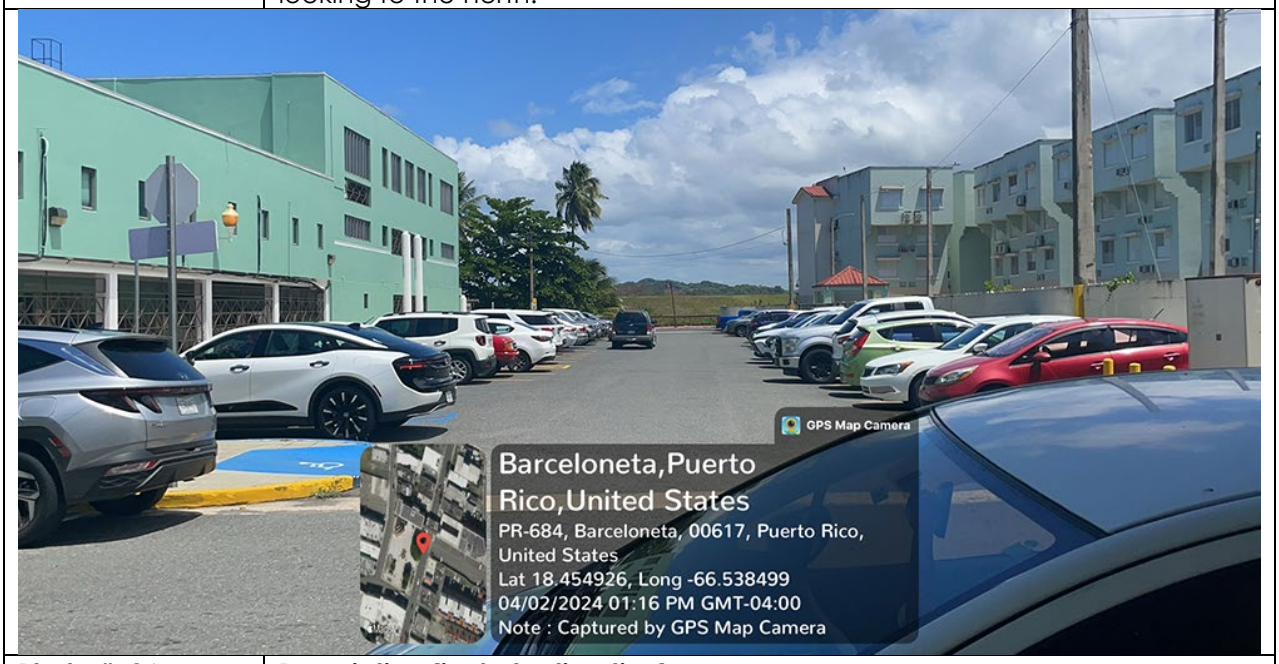


Photo #: 26	**Description (include direction):**
Date: April 2, 2024	View from Georgetti Street towards Acisclo Soler Street and the Paseo looking to the east.

Photo #: 27	**Description (include direction):**
Date: April 2, 2024	View from the Paseo towards Juan de la Torre Steet and urban blocks looking to the west.

Photo #: 28	**Description (include direction):**
Date: April 2, 2024	View from the Paseo towards the intersection of Juan de la Torre and Acisclo Soler Streets, the Plaza José Cordero Rosario, and the Casa Alcaldía de Barceloneta looking to the west.

Photo #: 29 **Date:** April 2, 2024	**Description (include direction):** View from the Paseo towards Juan de la Torre Street and the Casa Alcaldía de Barceloneta looking to the northwest.

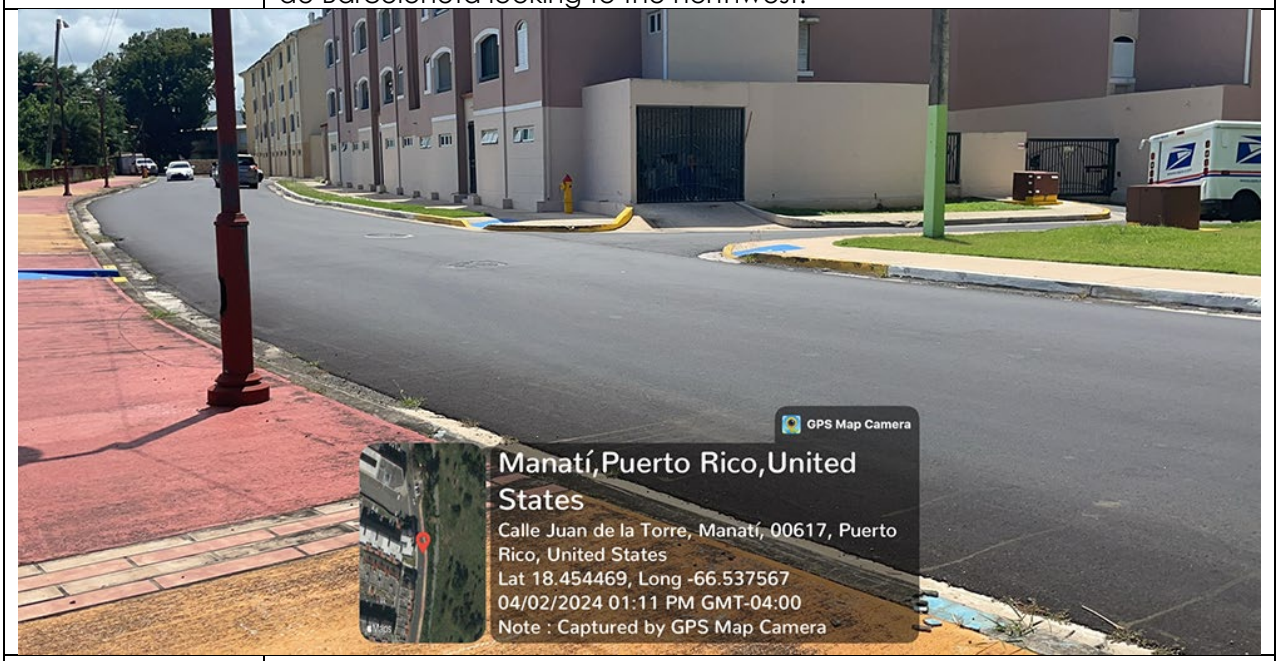


Photo #: 30 **Date:** April 2, 2024	**Description (include direction):** View from the Paseo towards the Juan de la Torre Street and urban blocks looking southwest.

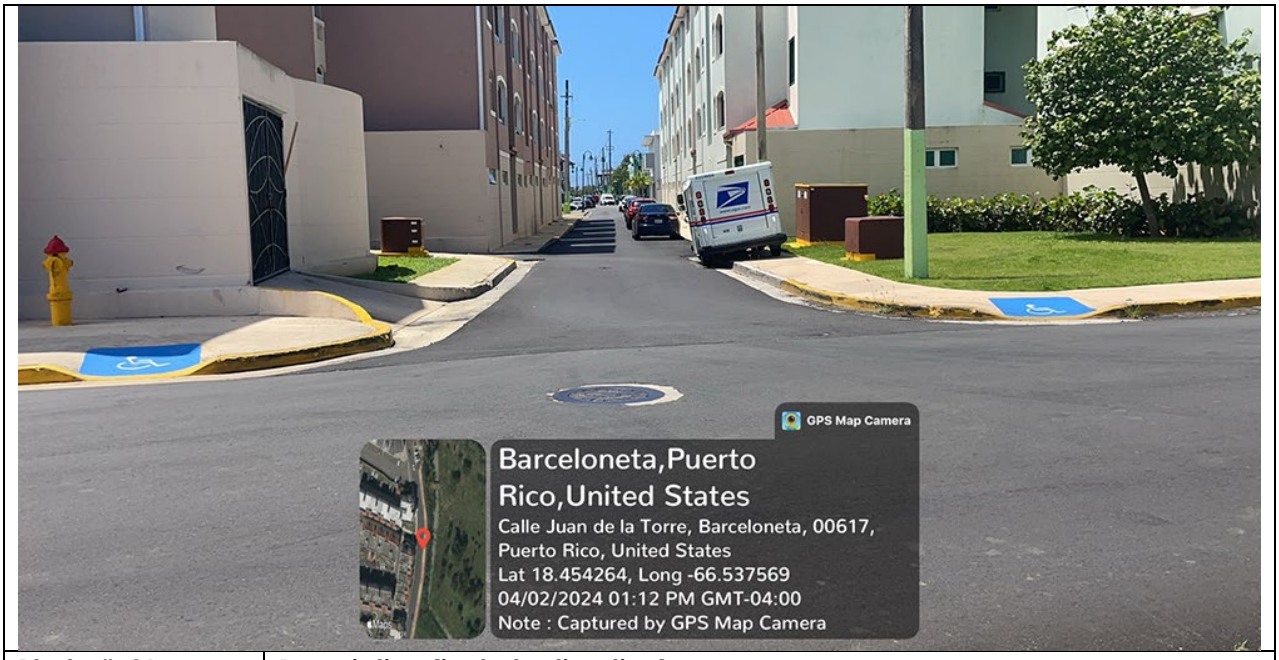


Photo #: 31 **Date:** April 2, 2024	**Description (include direction):** View from the Paseo towards the intersection of the Juan de la Torre Street and the Palmas Altas Avenue looking to the west.

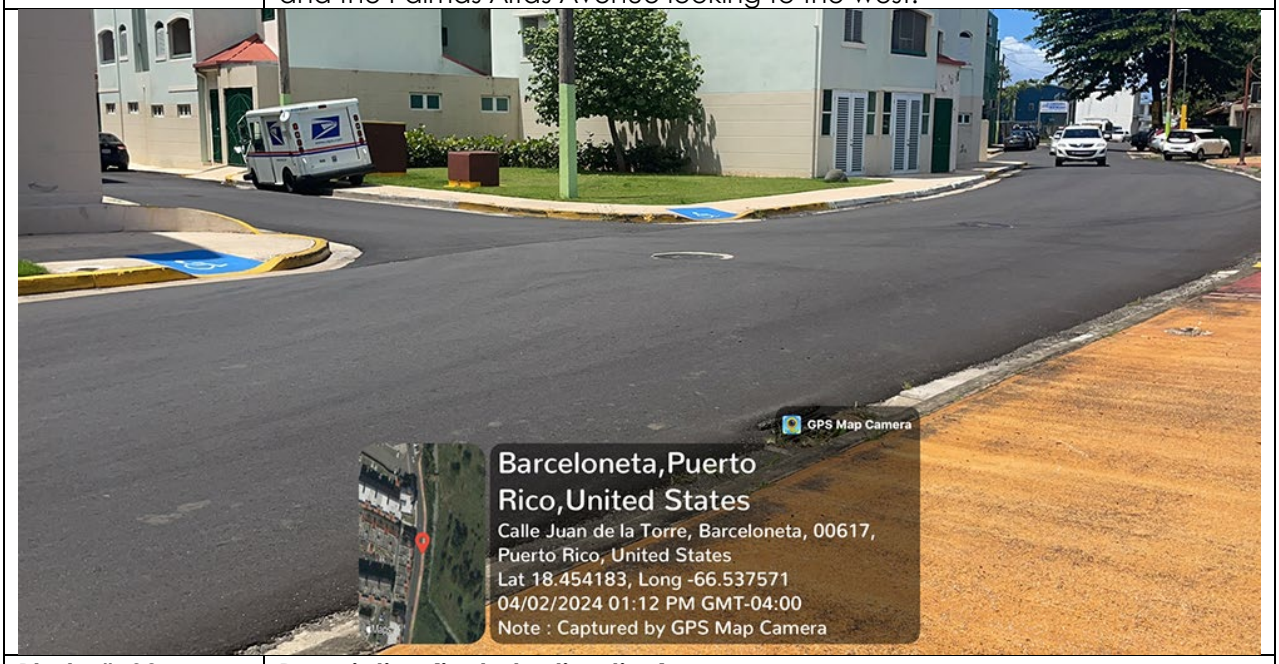


Photo #: 32 **Date:** April 2, 2024	**Description (include direction):** View from the Paseo towards the intersection of the Juan de la Torre Street and the Palmas Altas Avenue looking to the northwest

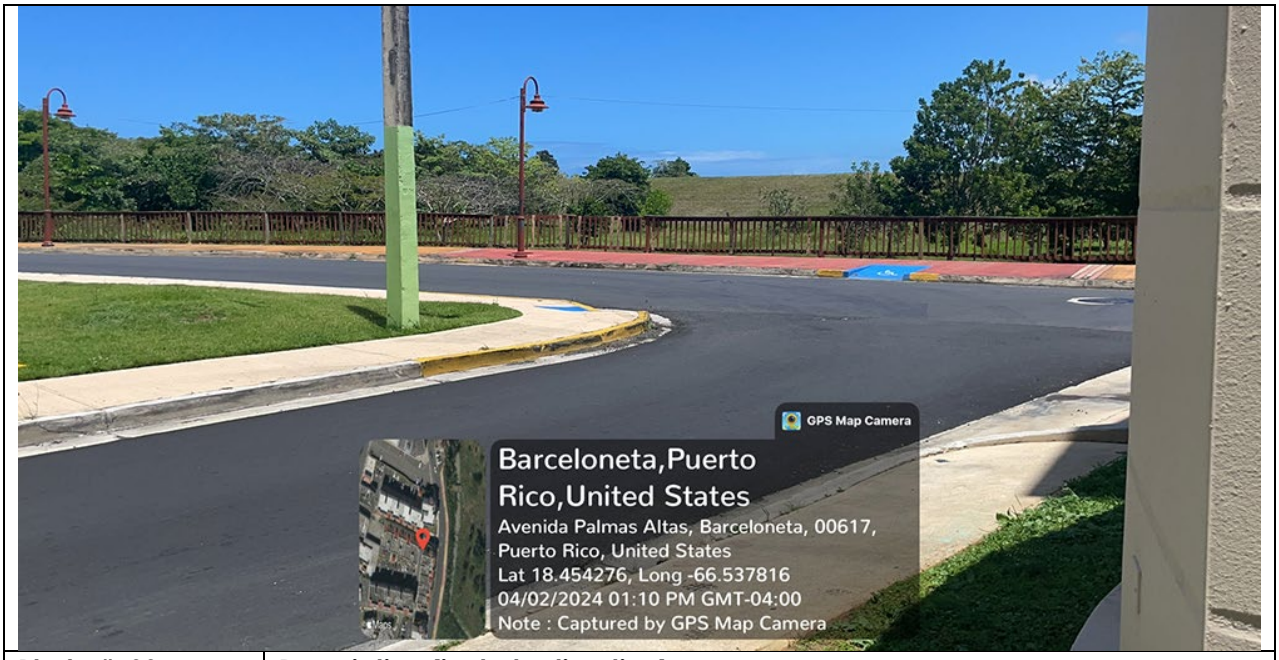


Photo #: 33	**Description (include direction):**
Date: April 2, 2024	View from the intersection of the Palmas Altas Avenue and the Juan de la Torre Street towards the Paseo looking to the northeast.

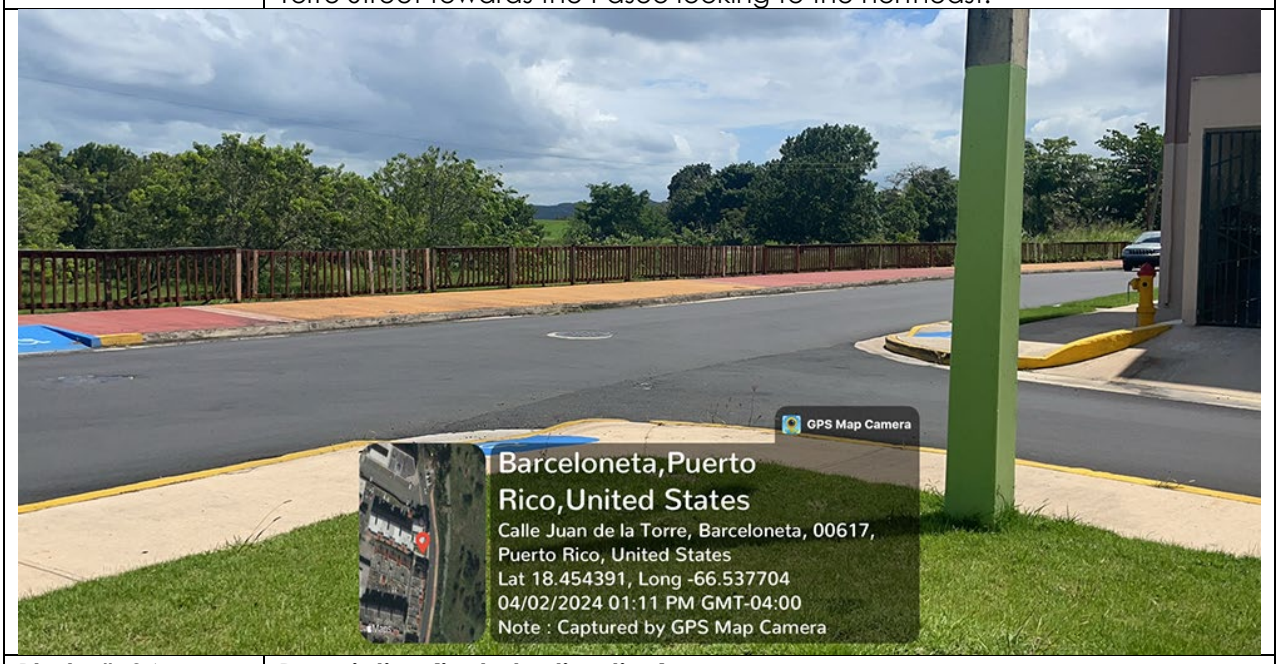


Photo #: 34	**Description (include direction):**
Date: April 2, 2024	View from the intersection of the Palmas Altas Avenue and the Juan de la Torre Street towards the Paseo looking to the southeast.

Photo #: 35	**Description (include direction):**
Date: April 2, 2024	View from the Palmas Altas Avenue towards the Paseo looking to the east.

Photo #: 36	**Description (include direction):**
Date: April 2, 2024	View from the Paseo towards the Juan de la Torre Street and urban blocks looking to the southwest.

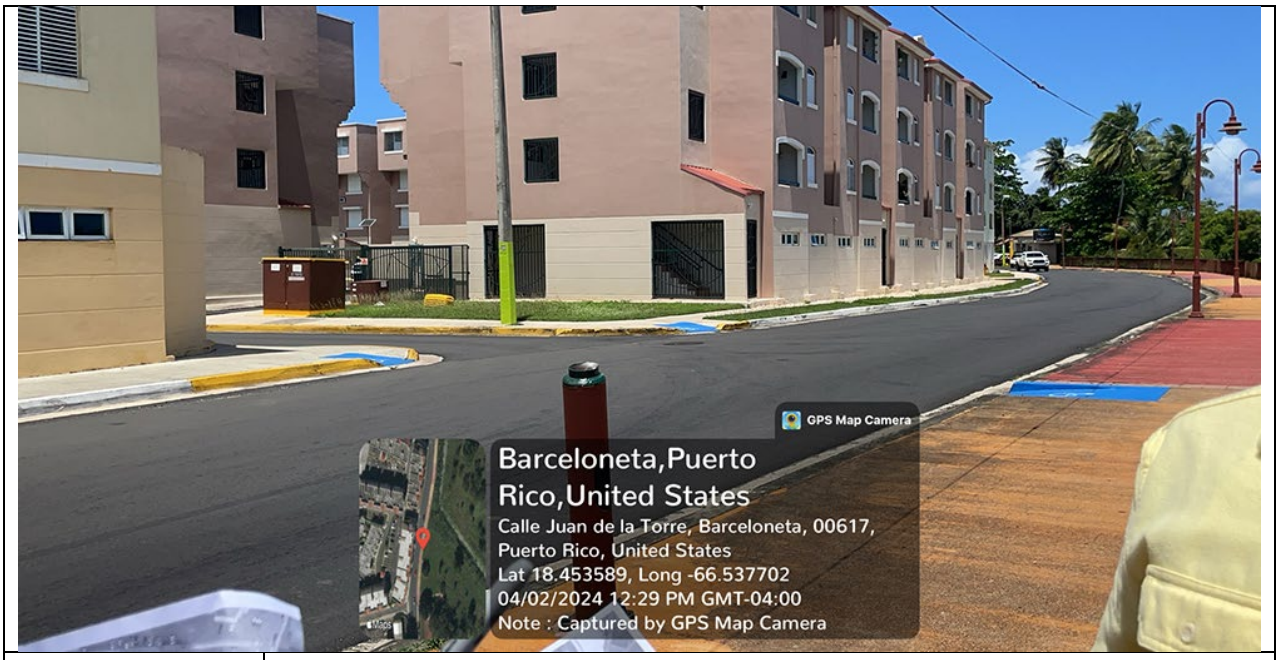


Photo #: 37 **Date:** April 2, 2024	**Description (include direction):** View from the Paseo towards the Juan de la Torre Street and urban blocks looking to the northwest.

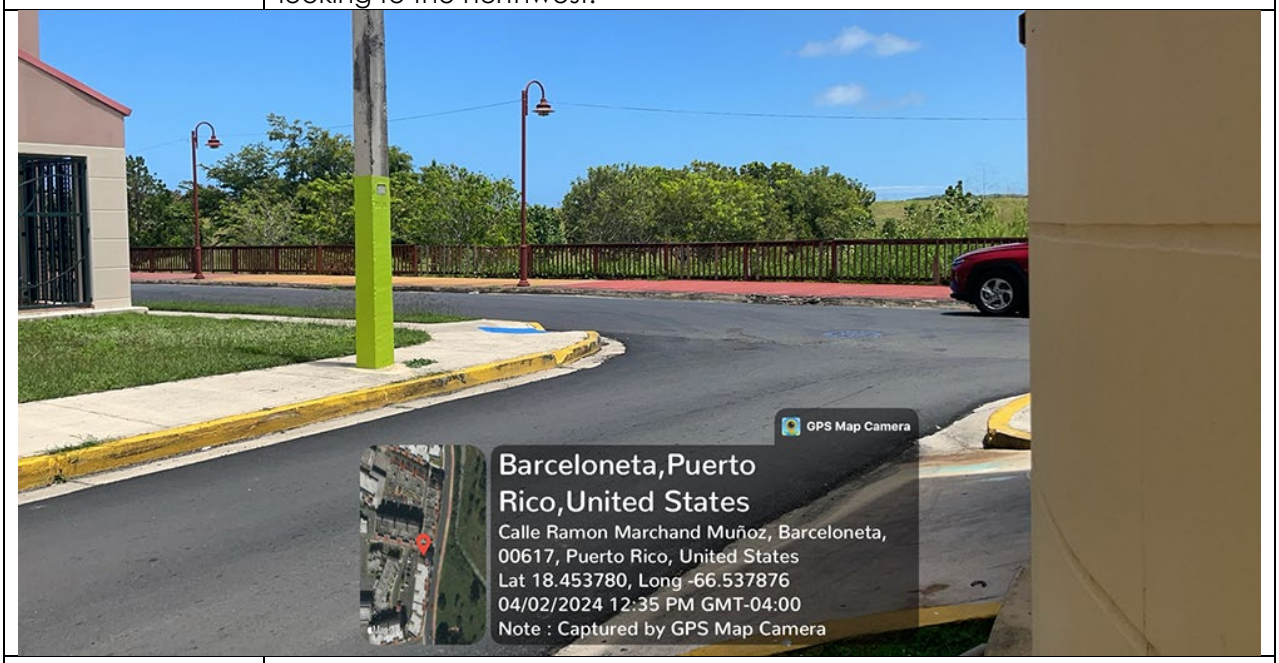


Photo #: 38 **Date:** April 2, 2024	**Description (include direction):** View from the Ramón Marchand Muñoz Street towards the Juan de la Torre Street and the Paseo looking to the northeast.

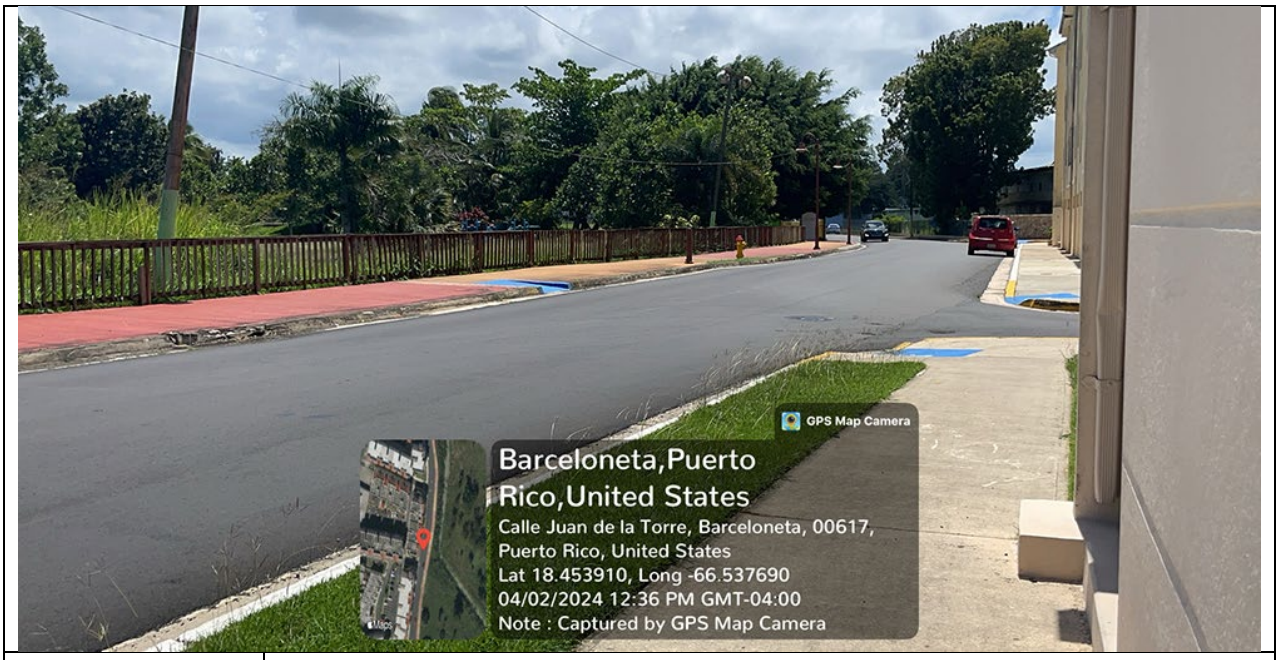


Photo #: 39 **Date:** April 2, 2024	**Description (include direction):** View from the Juan de Torre Street towards the Paseo looking to the southeast.

Photo #: 40 **Date:** April 2, 2024	**Description (include direction):** View from the Ramón Marchand Muñoz Street towards the Paseo looking to the east.

Photo #: 41 Date: April 2, 2024	Description (include direction): View from the Plaza José Cordero Rosario towards the Ramón Marchand Muñoz Street and the Paseo looking to the east.

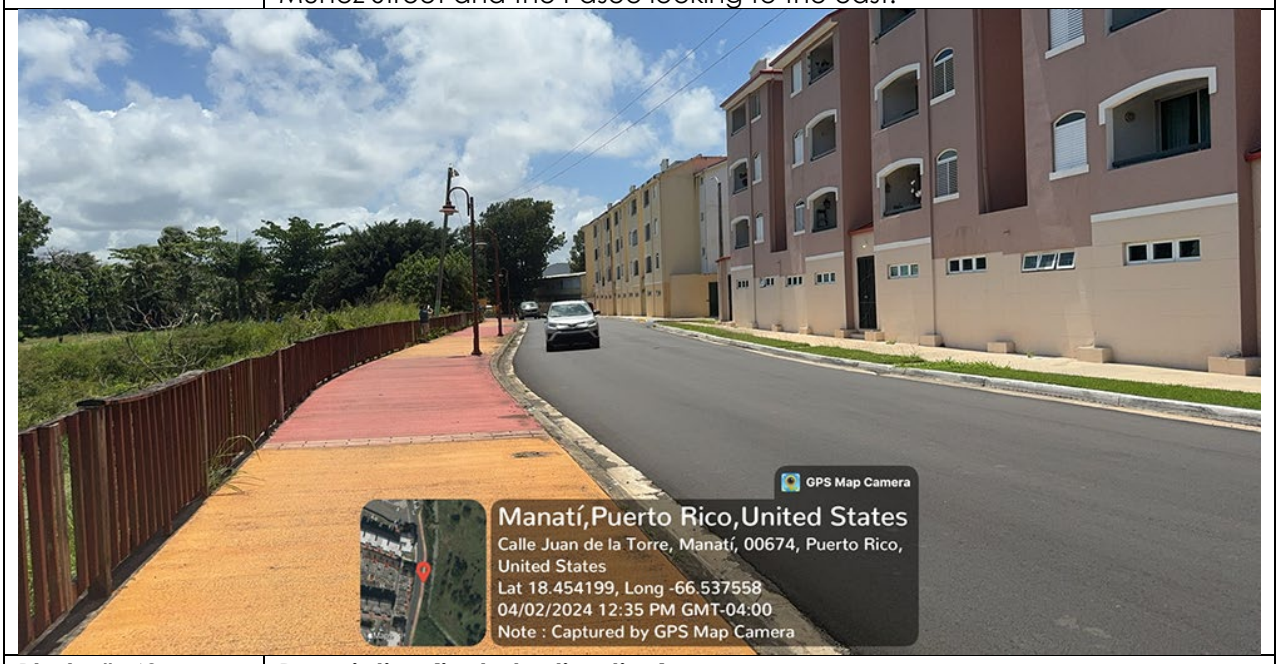


Photo #: 42 Date: April 2, 2024	Description (include direction): View from the Paseo looking south.

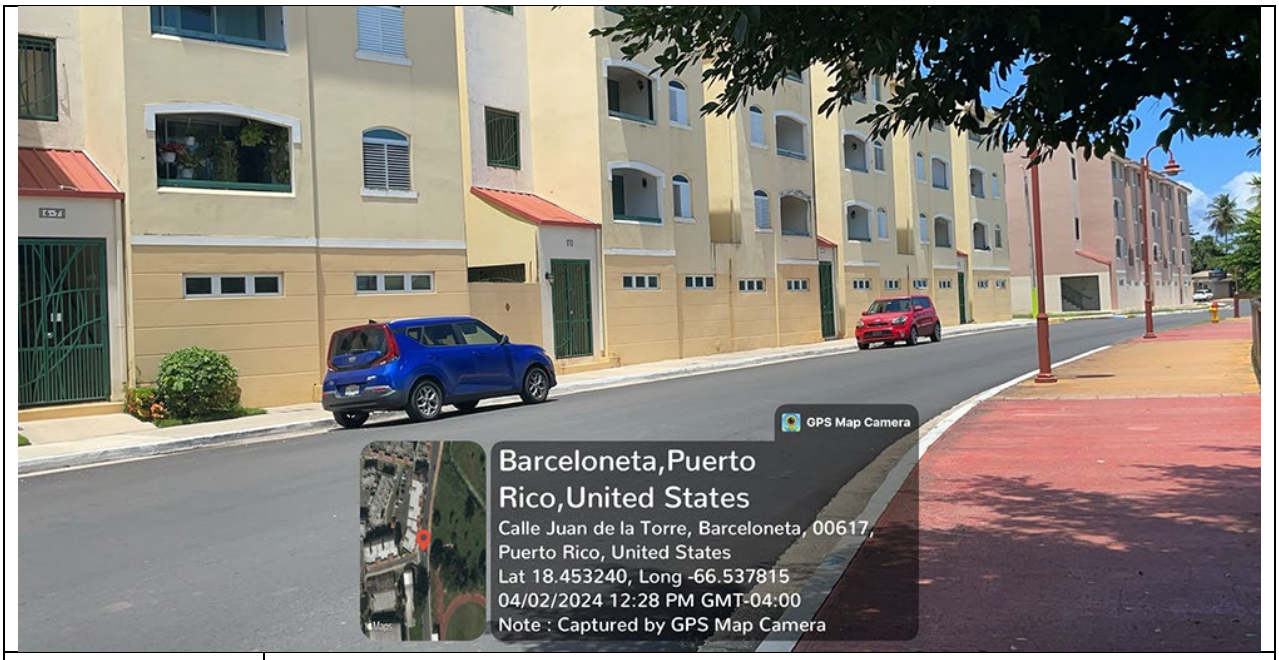


Photo #: 43 **Date:** April 2, 2024	**Description (include direction):** View from the Paseo towards Juan de la Torre Street and urban blocks looking to the northwest.

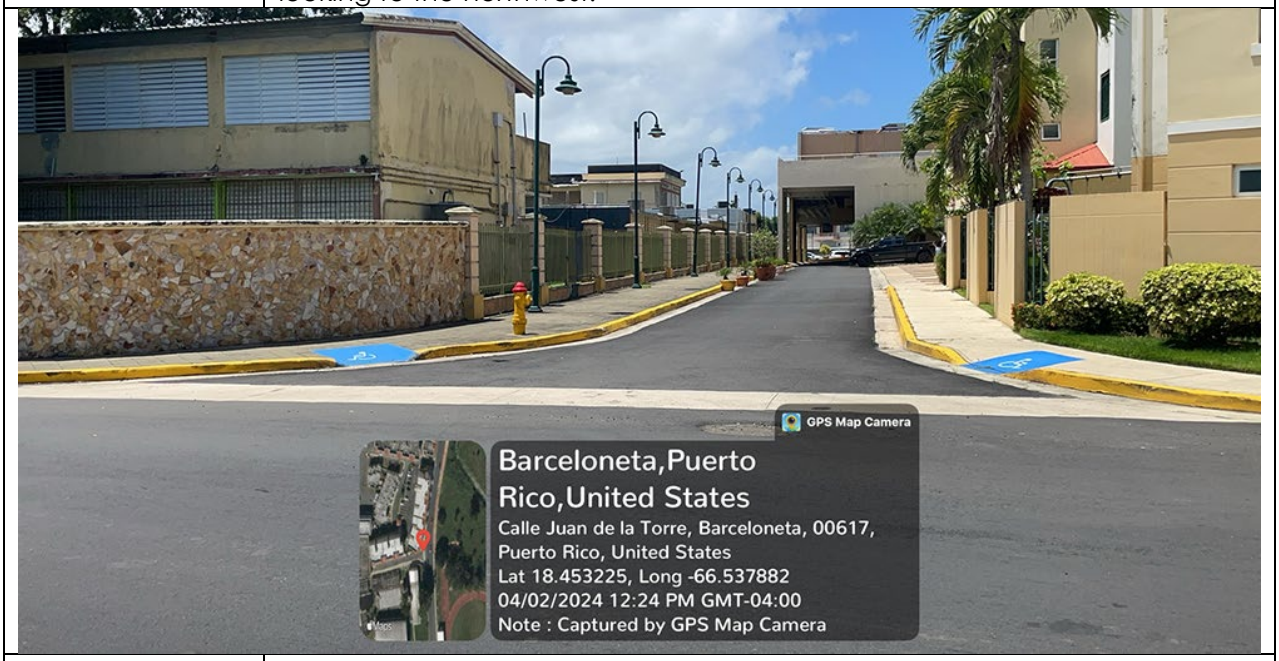


Photo #: 44 **Date:** April 2, 2024	**Description (include direction):** View from the Paseo towards the Juan de la Torre Street and the Escuela Rafael Balseiro Maceira (left) looking to the west.

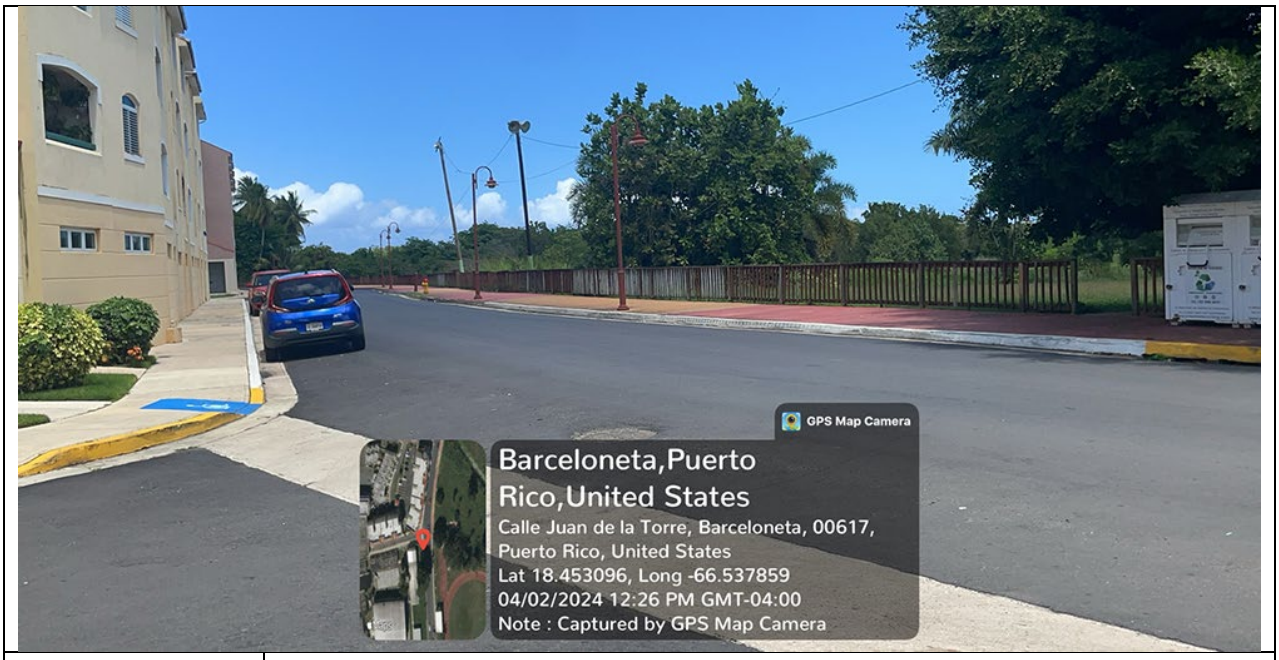


Photo #: 45 **Date:** April 2, 2024	**Description (include direction):** View from the intersection of an unnamed street and the Juan de la Torre Street towards the Paseo looking to the northeast.

Photo #: 46 **Date:** April 2, 2024	**Description (include direction):** View from the unnamed street towards the Paseo looking east.

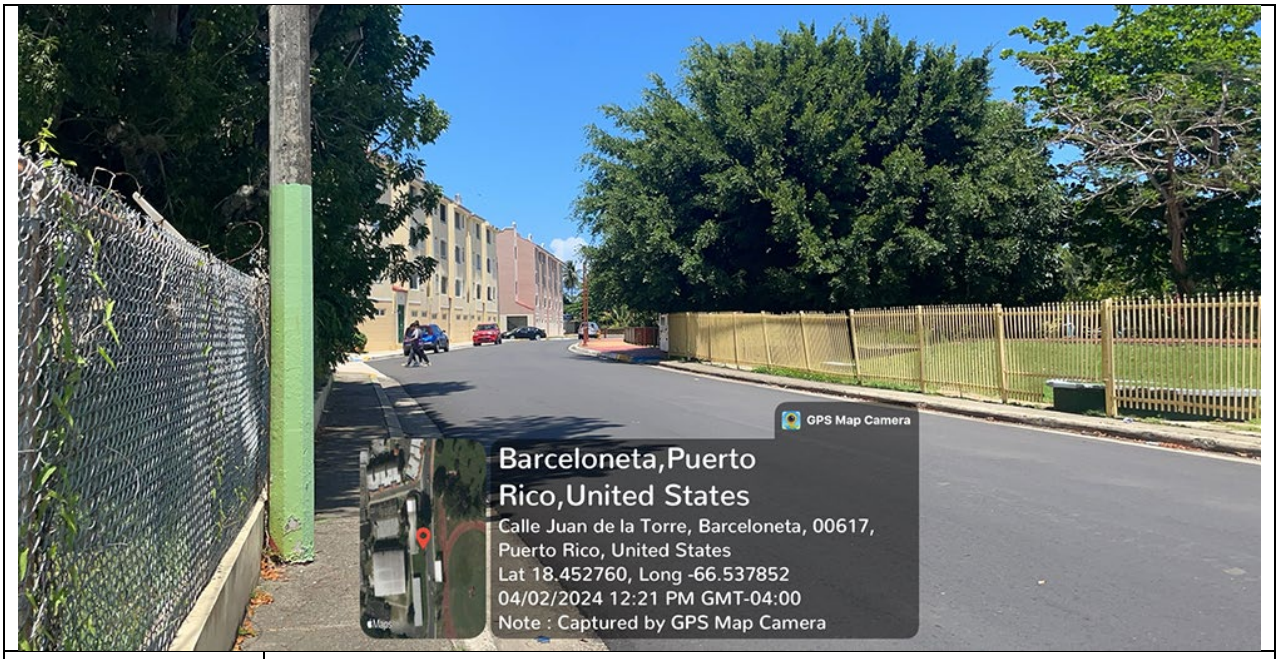


Photo #: 47 **Date:** April 2, 2024	**Description (include direction):** South sector of the APE looking north.

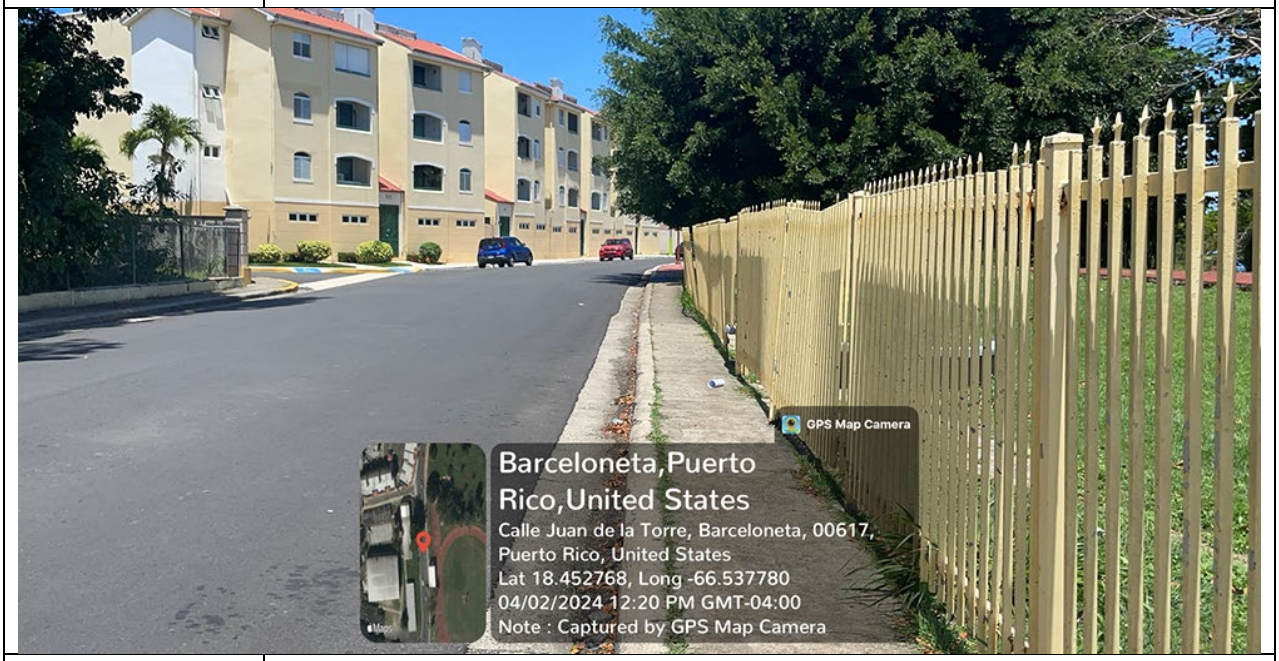


Photo #: 48 **Date:** April 2, 2024	**Description (include direction):** South sector of the APE looking northwest.

PR-CRP-000541

Paseo Juan de la Torre Project

Barceloneta, Puerto Rico

Preliminary Design Drawings

PROGRAMA DE REVITALIZACIÓN DE LA CIUDAD

PR-CRP-000541 - PASEO JUAN DE LA TORRE

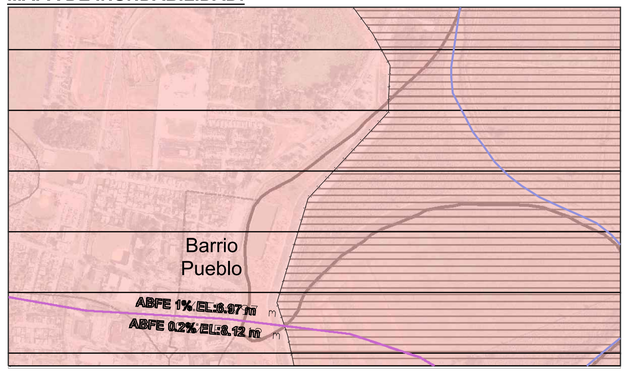
MUNICIPIO DE BARCELONETA | ALCALDESA WANDA J. SOLER ROSARIO

OFICINA DE PROGRAMAS FEDERALES

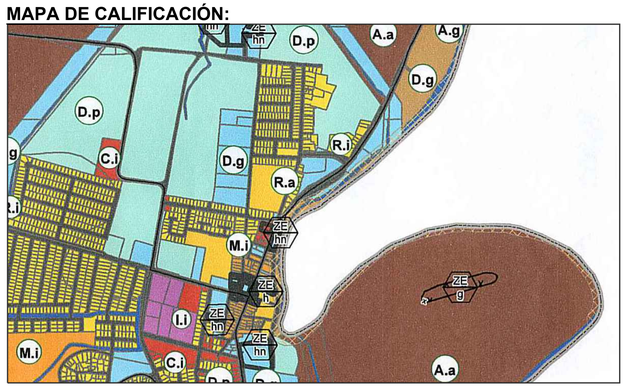
DISEÑO PRELIMINAR | JORGE RIGAU ARQUITECTOS PSC

FOTO AEREA:

MAPA DE INUNDABILIDAD:



MAPA DE CALIFICACIÓN:



Memorial Explicativo

El Municipio de Barceloneta, con el apoyo del Departamento de la Vivienda de Puerto Rico y el Programa de Revitalización de la Ciudad del Gobierno Federal propone rehabilitar el Paseo Lineal Juan de la Torre, que discurre unos 800 metros en dirección norte a sur, bordeando lo que fue la ribera del río Manatí. Alcanzando un ancho promedio de doce pies (12'-0") de ancho, el paseo abarca un área de 2,432.20 m 2 (metros cuadrados), equivalentes a 26,180 p 2 (pies cuadrados). A través de los años, se han implantado múltiples cambios en el paseo, que ha albergado (y descartado) diversos tipos de pavimentación, así como un muestrario amplio de mobiliario urbano.

El paseo comprende una acera más alta que la vía de rodaje adyacente C. Juan de la Torre y está pavimentada en cemento con tinte y madera. Un encintado continuo lo separa de la carretera al este. Al oeste, un barandal de madera lo delimita y evita el acceso de los peatones al área verde en nivel más bajo. El barandal está en mal estado, faltándole componentes. Varios postes de iluminación se encuentran a lo largo del paseo. El mobiliario urbano es exiguo. Por años, la proximidad del río Manatí ocasionó inundaciones severas en el pueblo de Barceloneta. Los daños se lograron controlar cuando el Cuerpo de Ingenieros construyó un dique al este del paseo; su altura, limita el disfrute visual del cuerpo de agua desde el pueblo.

El proyecto de rehabilitación propuesto atiende aspectos varios, reteniendo el recorrido actual del área pavimentada y - en dos (2) instancias - proyectándose hacia el este sobre el área verde a modo de plataformas de observación. Ambas plataformas ocupan un área total de 63 m 2 . Sus voladizos se sostendrán en apoyos en hormigón. Como parte de los trabajos civiles, niveles y pendientes existentes en el predio se mantendrán o mejorarán para garantizar el flujo efectivo de las aguas a los desagües pluviales ya en sitio.

La ejecución del nuevo diseño plantea la remoción de tres pulgadas (3") del material de pavimentación actual del paseo para sustituirlo por nuevos paños de cemento con tinte. Entre paño y paño de este material, se dispondrán piezas prefabricadas de hormigón expuesto que habrán de imitar madera rústica. Los contenes de la acera se harán en piezas de granito gris con cimiento integrado, en interés de garantizar larga vida a los trabajos. Dotar de mayor resiliencia a los encintados es vital, dado el abuso al que están constantemente sometidos por los vehículos que los golpean.

Como protección a los peatones respecto al área verde adyacente, se proveerá una nueva verja a lo largo del paseo, descartando la existente de madera. La verja se construirá en perfiles planos y tubulares en hierro, con pilares de hormigón como apoyo cada veintitrés pies (23'-0"). El diseño de la baranda evoca elementos de la bandera del Municipio de Barceloneta, intercalando símbolos alusivos a instancias históricas del pueblo. Los pilares de apoyo serán prefabricados en hormigón y agregado con tope triangular achaflanado sobre el que se instalarán tarjas de carácter interpretativo.

Los barandales incorporarán material lumínico tipo LED. Ello permitirá acumular energía solar durante el día, para brillar en la noche. También se provee iluminación a gran escala con postes lumínicos. Estos se instalarán alternadamente a lo largo del paseo, ayudando a establecer las dos escalas a atenderse: la humana (más baja) y la urbana (de área, más alta).

Por su ubicación y extensión, a lo largo de sus ochocientos metros, el paseo incluirá elementos puntuales (permanentes, con la posibilidad de temporeros) que han de enriquecer (y alentar) el recorrido de quienes lo visiten. Entre ellos se cuentan bancos escultóricos, elementos interpretativos y una escultura conmemorativa del mural que años atrás estuvo instalado en la antigua fábrica de jugos marca Lotus – ya demolido – obra de la artista puertorriqueña Luisa Géigel Brunet, primera mujer escultora de Puerto Rico.

En resumen, el proyecto propuesto ha de colaborar con el enriquecimiento de las oportunidades de ocio en Barceloneta (y Puerto Rico), a la vez que celebra la historia, el arte y el paisaje del país. •

CONDICION EXISTENTE: VISTA DEL PASEO HACIA EL ESTE CON EL DIQUE AL FONDO

ÍNDICE DE HOJAS

PAGINA	NUMERO	NOMBRE DE HOJA
1	G-00	HOJA TÍTULO
2	A-01	SITE PLAN
3	A-02	LEYENDA DE MÓDULOS SECCIÓN A
4	A-03	LEYENDA DE MÓDULOS SECCIÓN B
5	A-04	LEYENDA DE MÓDULOS SECCIÓN C
6	A-05	TIPOS DE MÓDULOS
7	A-06	PATRÓN TÍPICO DE ACERA
8	A-07	ENTRADA SUR AL PASEO
9	A-08	DISTRIBUCIÓN DE BANCOS
10	A-09	DETALLES DE ESCULTURA DE MURAL DE LA LOTUS
11	A-10	PATRON EN PLATAFORMAS DE OBSERVACIÓN
12	A-11	PLATAFORMAS DE OBSERVACIÓN SUR
13	A-12	PLATAFORMAS DE OBSERVACIÓN NORTE
14	S-01	STRUCTURAL FOUNDATION PLAN AND DETAILS
15	S-02	STRUCTURAL SLAB PLAN AND DETAILS
16	S-03	STRUCTURAL FOUNDATION PLAN AND DETAILS
17	S-04	STRUCTURAL SLAB PLAN AND DETAILS

PROGRAMA DE REVITALIZACIÓN DE LA CIUDAD

DEPARTAMENTO DE LA VIVIENDA

PROFESSIONAL CERTIFICATION LAW

I, JORGE RIGAU PÉREZ, LICENSE 7650, CERTIFY THAT I AM THE PROFESSIONAL WHO DESIGNED THESE PLANS AND THE COMPLEMENTARY SPECIFICATIONS. I ALSO CERTIFY THAT I UNDERSTAND THAT SUCH PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE PROVISIONS OF THE JOINT REGULATIONS AND APPLICABLE PROVISIONS OF THE REGULATIONS AND CODES OF AGENCIES, REGULATORY BOARDS AND/OR PUBLIC CORPORATIONS WITH JURISDICTION.

I ACKNOWLEDGE THAT ANY FALSE DECLARATION OR FALSIFICATION OF THE FACTS WHICH HAVE BEEN PRODUCED WITHOUT KNOWLEDGE OR NEGLIGENCE EITHER BY ME, MY AGENTS OR EMPLOYEES, OR BY OTHER PERSONS WITH MY KNOWLEDGE, MAKES ME RESPONSIBLE FOR ANY JUDICIAL AND DISCIPLINARY ACTION BY THE OIGPE AND OTHER COMPETENT AUTHORITIES, INCLUDING, BUT NOT LIMITED TO, THE TERMINATION OF THE PARTICIPATION IN PROFESSIONAL CERTIFICATION PROCEDURES IN THE OIGPE.

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS, AND EXISTING SITE CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. UPON FINDING ANY DISCREPANCY, ERROR, OR OMISSION IN THE SET OF DRAWING DOCUMENTS, THE CONTRACTOR MUST INFORM THE ARCHITECT BEFORE THE BEGINNING OF THE CONSTRUCTION IN ORDER TO MAKE THE NECESSARY REVISIONS AND/OR CORRECTIONS. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR SUCH DISCREPANCES, ERRORS AND/OR OMISSIONS IF THEY ARE NOT INFORMED ON TIME.

THE CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE BEGINNING OF THE WORK. ALL DRAWINGS USED BY THE CONTRACTOR MUST BEAR THE "FOR CONSTRUCTION ONLY" STAMP, SIGNED AND SEALED BY THE ARCHITECT.

THESE DRAWINGS AND THEIR CONTENT ARE PROPERTY OF "JORGE RIGAU ARQUITECTOS PSC". AND SHALL BE USED SOLELY IN REFERENCE FOR THE PROJECT FOR WHICH THEY WERE EXPLICITELY DEVELOPED FOR. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING DOCUMENT AND/OR ITS CONTENT WITHOUT PREVIOUS AUTHORIZATION IS STRICTLY FORBIDDEN.

MUNICIPIO DE BARCELONETA / PROGRAMA DE REVITALIZACIÓN DE LA CIUDAD

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

ISSUE CHART

NO.	DESCRIPTION	DATE	APPROVED

JORGE RIGAU ARQUITECTOS PSC
URB. HYDE PARK, 855 AVE. LAS MARÍAS, SAN JUAN PR 00927
TEL: (787) 982-0002 | EMAIL: RIGAU@JORGERIGAU.COM

TITLE

HOJA DE TITULO

SCALE	PRINTED ON	SHEET NO.
	05/14/24	G-00
DRAWN BY FV		
PHASE PRELIMINARY PHASE		DATE MAY 14, 2024

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK, CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME, THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 205 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: SITE PLAN

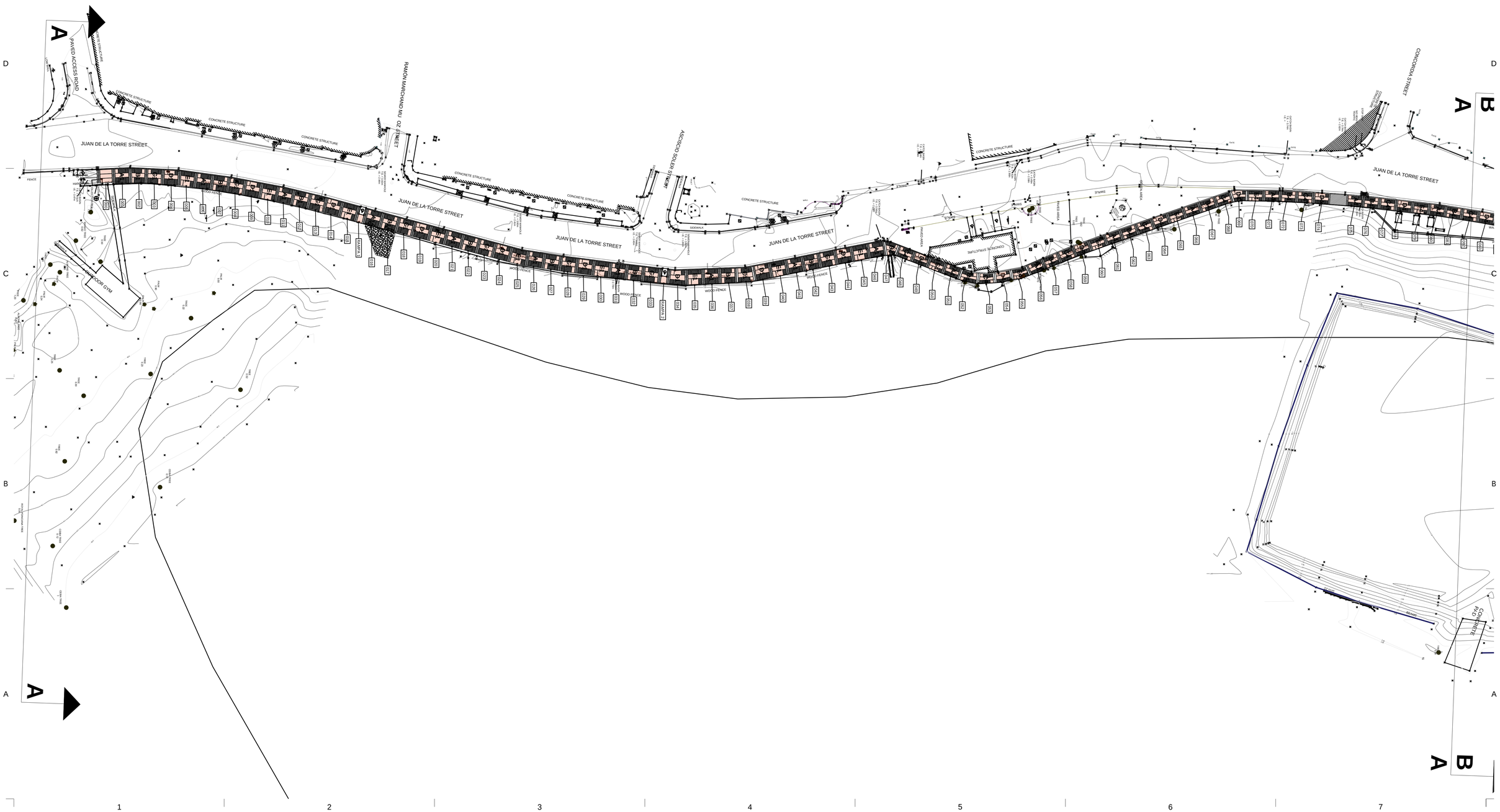
SHEET Nº: A-01

DRAWN BY: SEBASTIÁN FELICIANO

PHASE: PRELIMINARY PHASE

DATE:

PRINT DATE: 14 DE MAYO DE 2024


A
B
JUAN DE LA TORRE STREET
RAMÓN MARCHAND MU OZ STREET
ASCSCIO SOLER STREET
CONCRETE STRUCTURE
PAVED ACCESS ROAD
FENCE
WOOD FENCE
CHAIN LINK FENCE
SIDEWALK
CONCRETE STEPS
CONCRETE WALL
CONCRETE SLAB
PAVED AREA
SMALL
MEDIUM
LARGE
CANOPY
CONCRETE STRUCTURE
CONCRETE WALL
CONCRETE SLAB
CONCRETE STEPS
SIDEWALK
CHAIN LINK FENCE
WOOD FENCE
FENCE

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION. IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 555 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: LEYENDA DE MÓDULOS SECCIÓN B

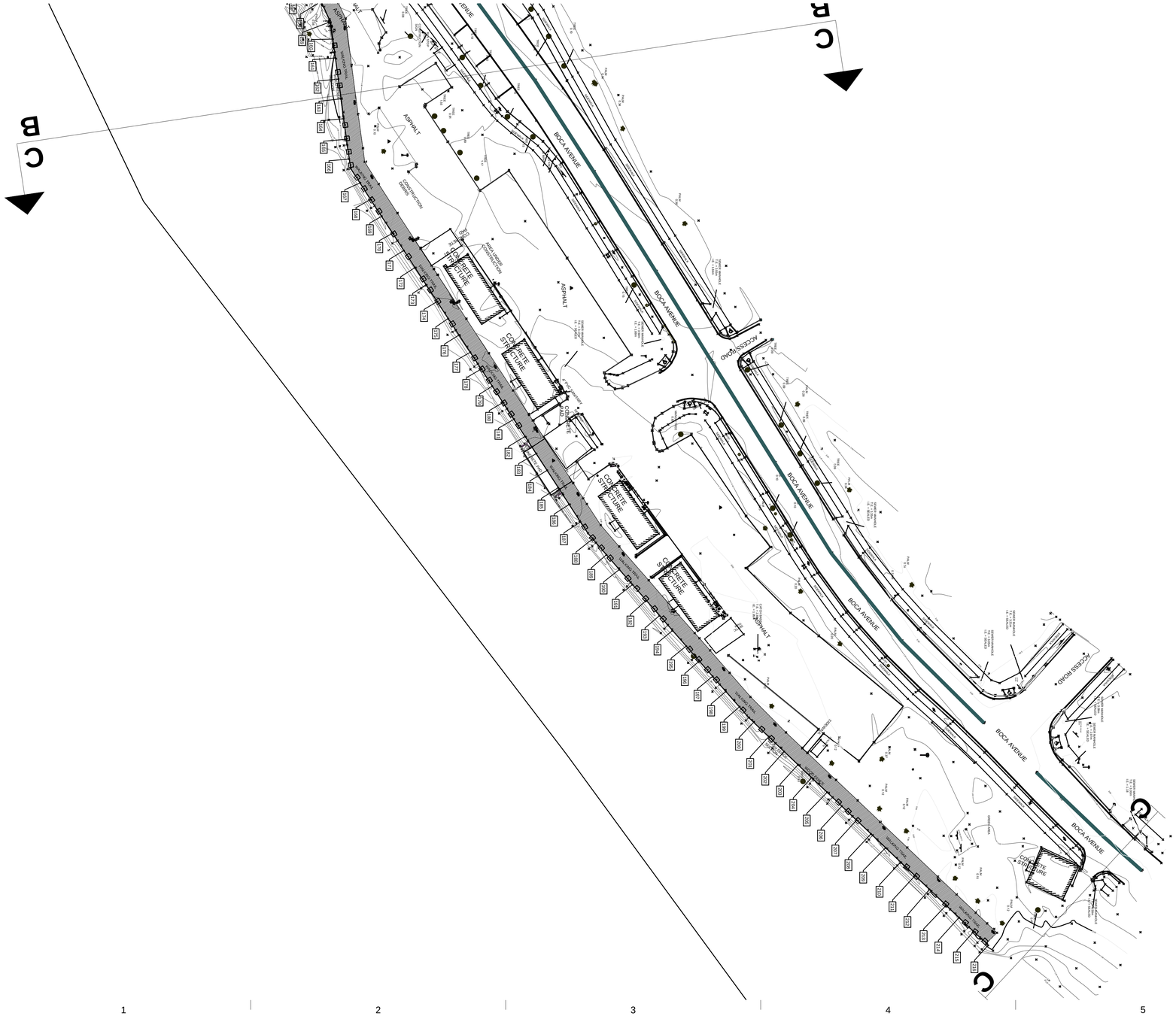
SHEET Nº: A-02

DRAWN BY: SEBASTIÁN FELICIANO

PHASE: PRELIMINARY PHASE

DATE:

PRINT DATE: 14 DE MAYO DE 2024



IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 555 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

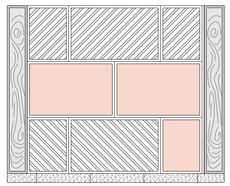
DRAWING TITLE: LEYENDA DE MÓDULOS SECCIÓN C

SHEET Nº: A-04

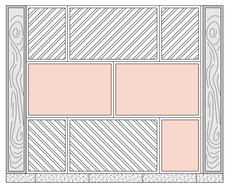
DRAWN BY: SEBASTIÁN FELICIANO

PHASE: PRELIMINARY PHASE

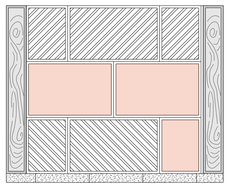
PRINT DATE: 14 DE MAYO DE 2024



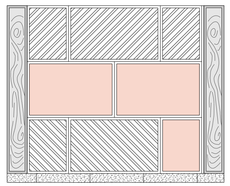
1 MÓDULO A
SCALE:1/4" = 1'-0"



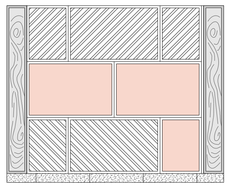
2 MÓDULO B
SCALE:1/4"= 1'-0"



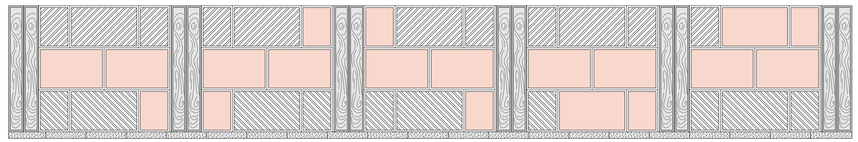
3 MÓDULO C
SCALE:1/4" = 1'-0"



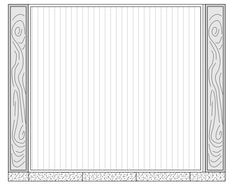
4 MÓDULO D
SCALE:1/4" = 1'-0"



5 MÓDULO E
SCALE:1/4" = 1'-0"

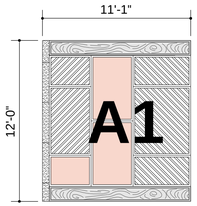


6 PATRÓN DE MÓDULOS
SCALE:3/16" = 1'-0"

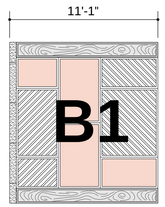


7 MÓDULO DE HORMIGÓN
SCALE:1/4" = 1'-0"

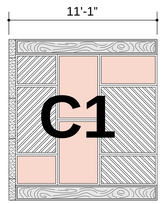
NOTA:
SE UTILIZARÁN APROXIMADAMENTE 100 MÓDULOS DEL HORMGÓN CEPILLADO.



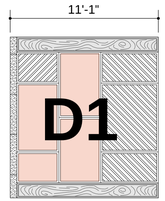
PATRÓN A- MÓDULO 1



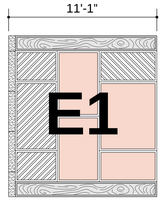
PATRÓN B- MÓDULO 1



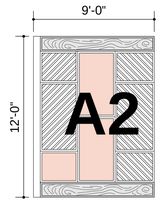
PATRÓN C- MÓDULO 1



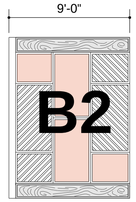
PATRÓN D- MÓDULO 1



PATRÓN E- MÓDULO 1

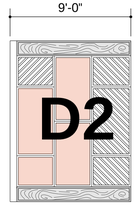


PATRÓN A- MÓDULO 2

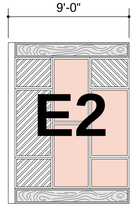


PATRÓN B- MÓDULO 2

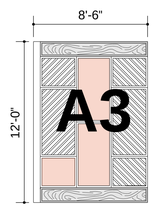
PATRÓN C- MÓDULO 2



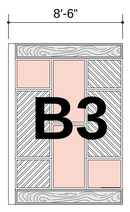
PATRÓN D- MÓDULO 2



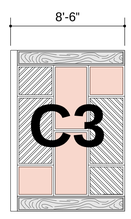
PATRÓN E- MÓDULO 2



PATRÓN A- MÓDULO 3

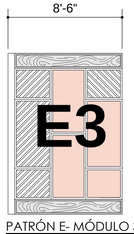


PATRÓN B- MÓDULO 3

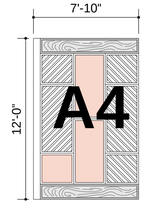


PATRÓN C- MÓDULO 3

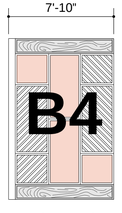
PATRÓN D- MÓDULO 3



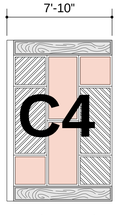
PATRÓN E- MÓDULO 3



PATRÓN A- MÓDULO 4

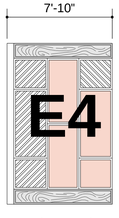


PATRÓN B- MÓDULO 4



PATRÓN C- MÓDULO 4

PATRÓN D- MÓDULO 4



PATRÓN E- MÓDULO 4

8 VARIACIONES DE MÓDULOS
SCALE:3/16" = 1'-0"

MÓDULO	CANTIDAD
A1	10
B1	9
C1	9
D1	9
E1	9
A2	1
B2	2
C2	1
D2	1
E2	1
A3	1
B3	1
C3	0
D3	0
E3	0
A4	11
B4	13
C4	14
D4	15
E4	13
TOTAL	120

9 REGISTRO Y CANTIDADES DE MÓDULOS

NOTAS GENERALES:

1. PATRÓN TÍPICO SERÁ MODIFICADO POR RAMPAS (ADA) Y ELEMENTOS URBANOS EXISTENTES.

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK, CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME, THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: ORCINA@JORGERIGAU.COM

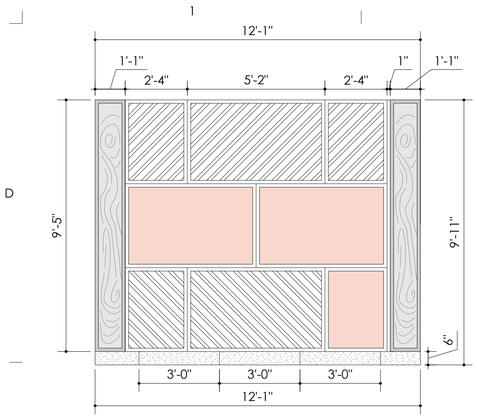
DRAWING TITLE: TIPOS DE MÓDULOS

SHEET Nº: A-05

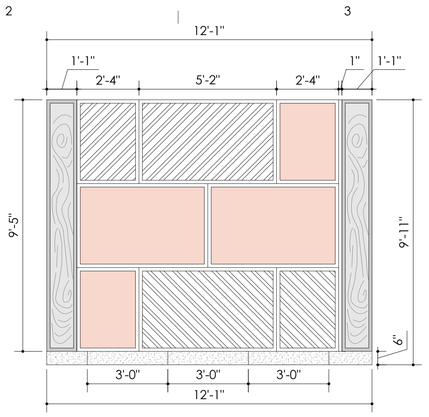
DRAWN BY: SEBASTIÁN FELICIANO

PHASE: PRELIMINARY PHASE

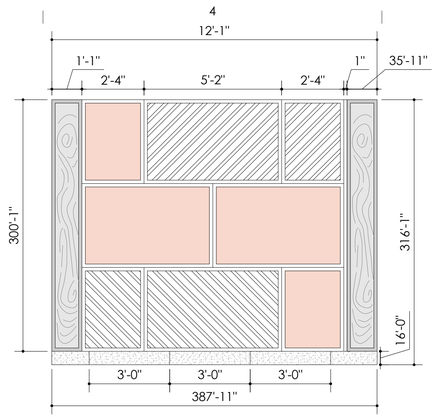
PRINT DATE: 14 DE MAYO DE 2024



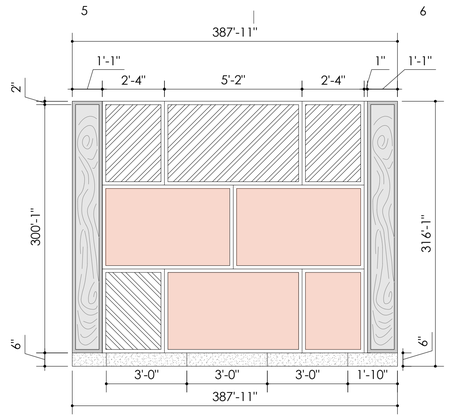
1 MÓDULO A
SCALE:3/8" = 1'-0"



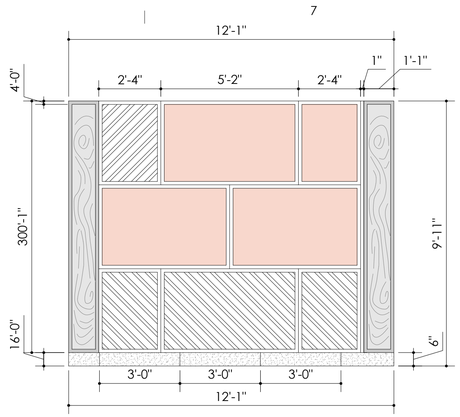
2 MÓDULO B
SCALE:3/8" = 1'-0"



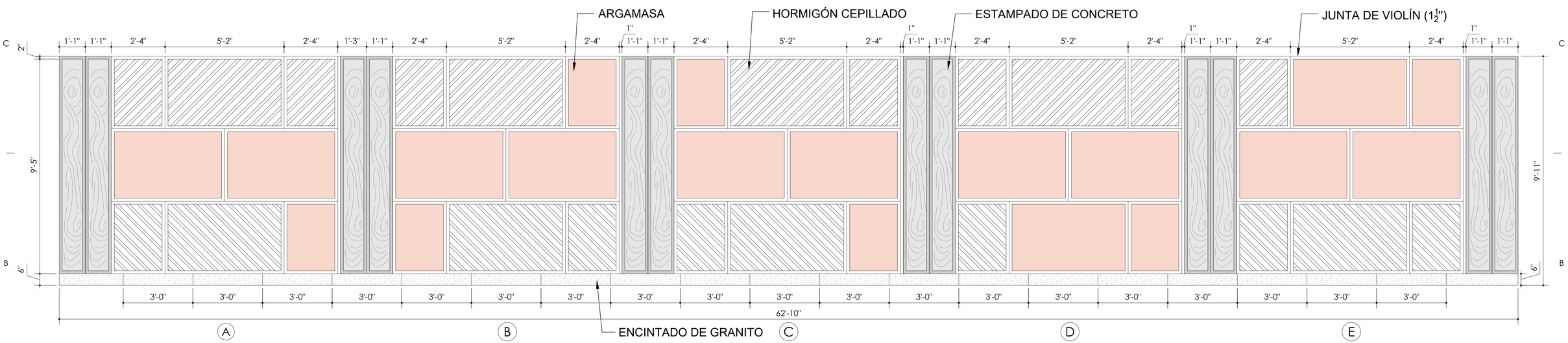
3 MÓDULO C
SCALE:3/8" = 1'-0"



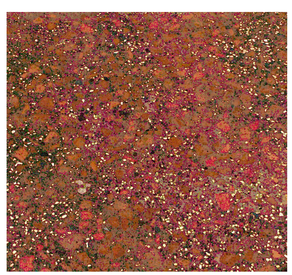
4 MÓDULO D
SCALE:3/8" = 1'-0"



5 MÓDULO E
SCALE:3/8" = 1'-0"



6 PATRÓN TÍPICO
SCALE:1/2" = 1'-0"



7 HORMIGÓN TINTEADO

8 ESTAMPADO DE CONCRETO

10 HORMIGÓN CEPILLADO Y JUNTA DE VIOLIN

11 ENCINTADO DE GRANITO

NOTAS GENERALES:

1. PATRÓN TÍPICO SERÁ MODIFICADO POR RAMPAS (ADA) Y ELEMENTOS URBANOS EXISTENTES.

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME, THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

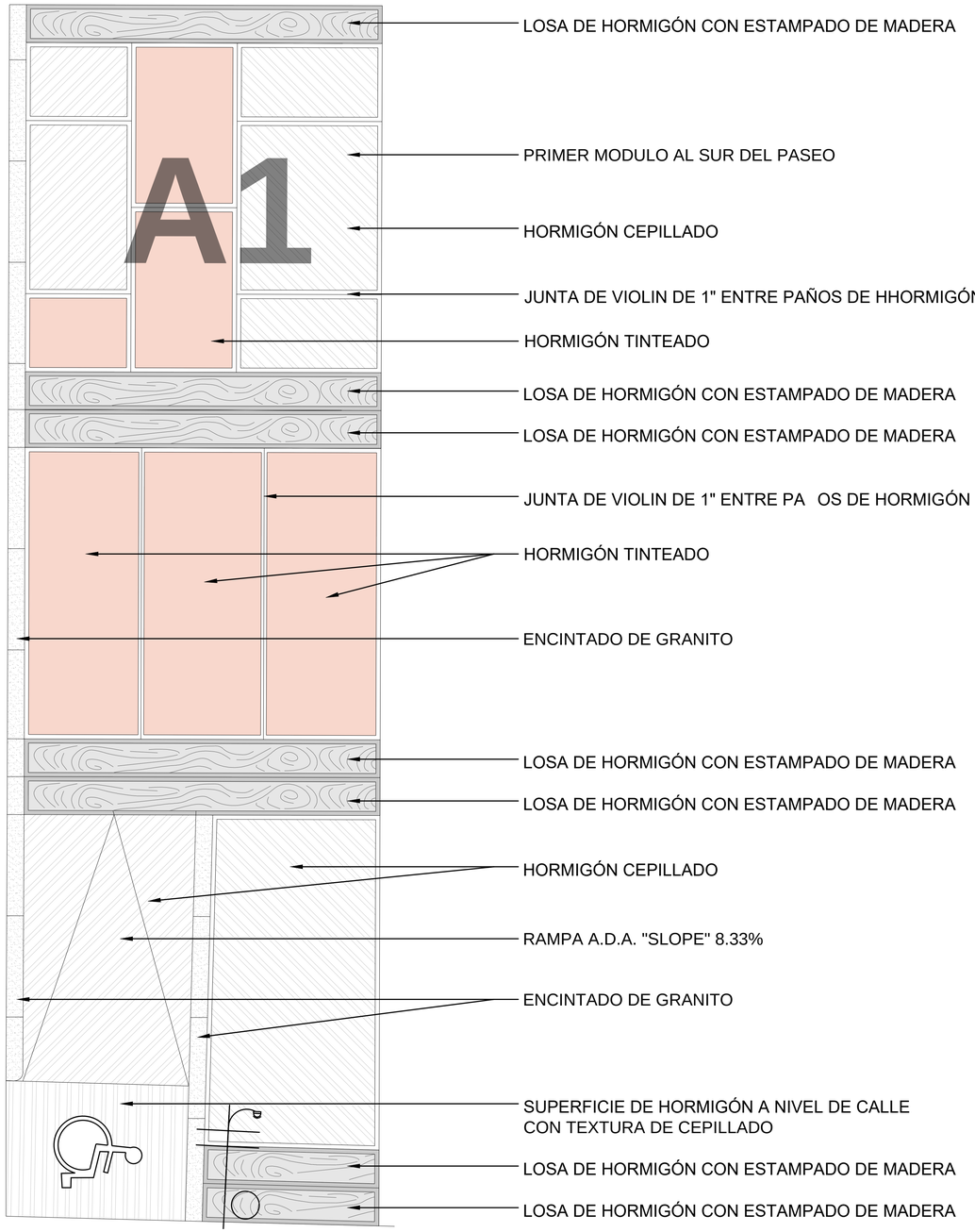
PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

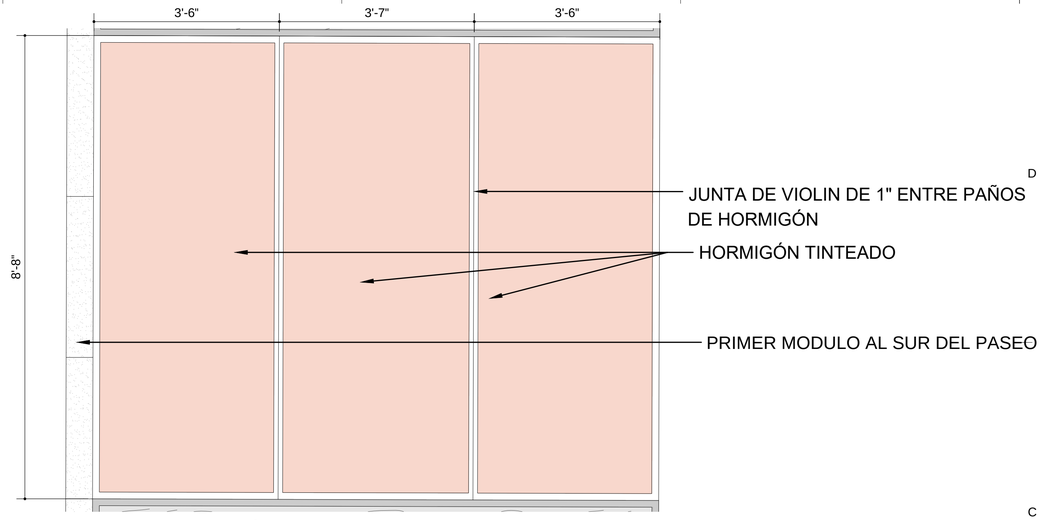
REVISIONS			
SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

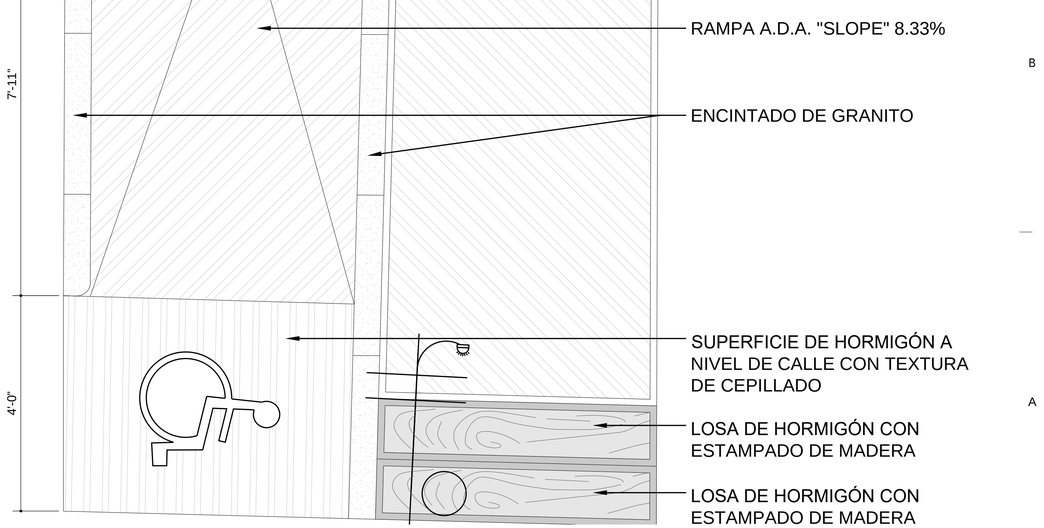
DRAWING TITLE: PATRÓN TÍPICO DE ACERA		SHEET Nº: A-06
DRAWN BY: SEBASTIAN FELICIANO	PHASE: PRELIMINARY PHASE	
	DATE:	PRINT DATE: 14 DE MAYO DE 2024



1 ENTRADA SUR AL PASEO
SCALE:1/2" = 1'-0"



2 PAÑO EN HORMIGÓN ENTRE PRIMER MODULO Y RAMPA
SCALE:3/4" = 1'-0"



3 RAMPA DE ENTRADA SUR
SCALE:3/4" = 1'-0"

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, MI HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

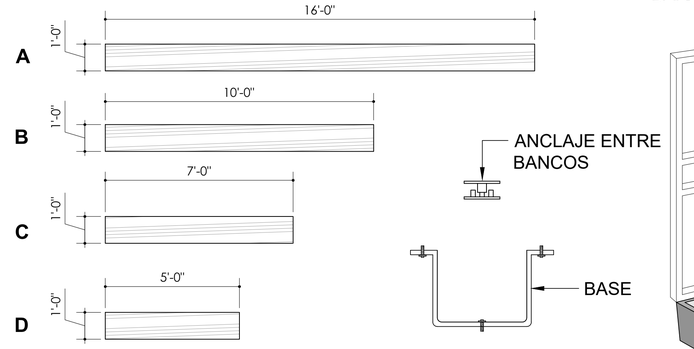
DRAWING TITLE: PATRÓN TÍPICO DE ACERA

SHEET Nº: A-07

DRAWN BY: SEBASTIÁN FELICIANO

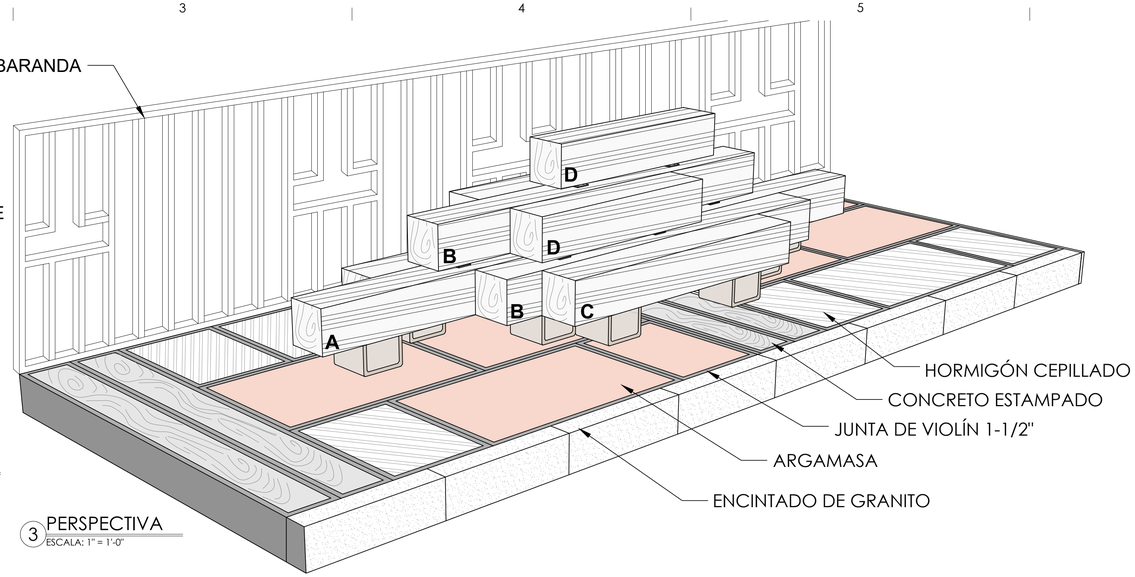
PHASE: PRELIMINARY PHASE

PRINT DATE: 14 DE MAYO DE 2024



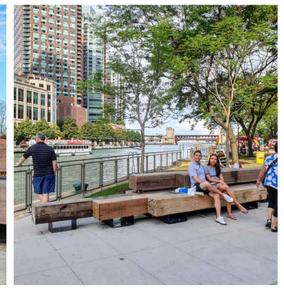
1 TAMAÑOS DE BANCOS
ESCALA: 3/8" = 1'-0"

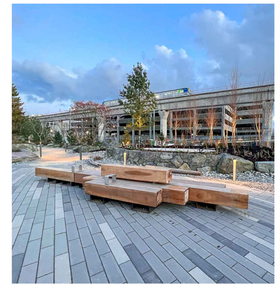
2 ELEMENTOS DE ANCLAJE
ESCALA: 1-1/2" = 1'-0"



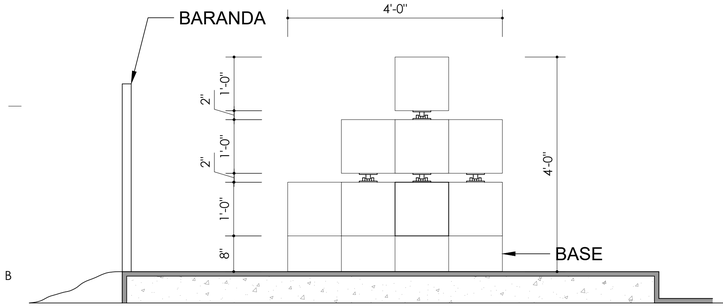
3 PERSPECTIVA
ESCALA: 1" = 1'-0"

IMÁGENES DE PRODUCTO: STREETLIFE DRIFTER BENCHES

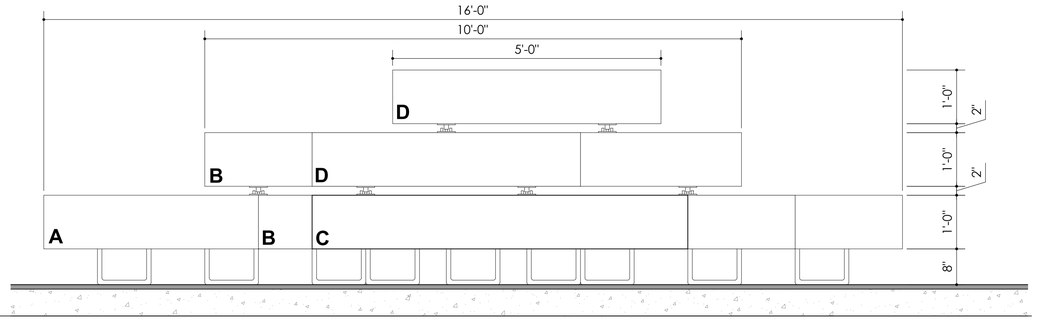




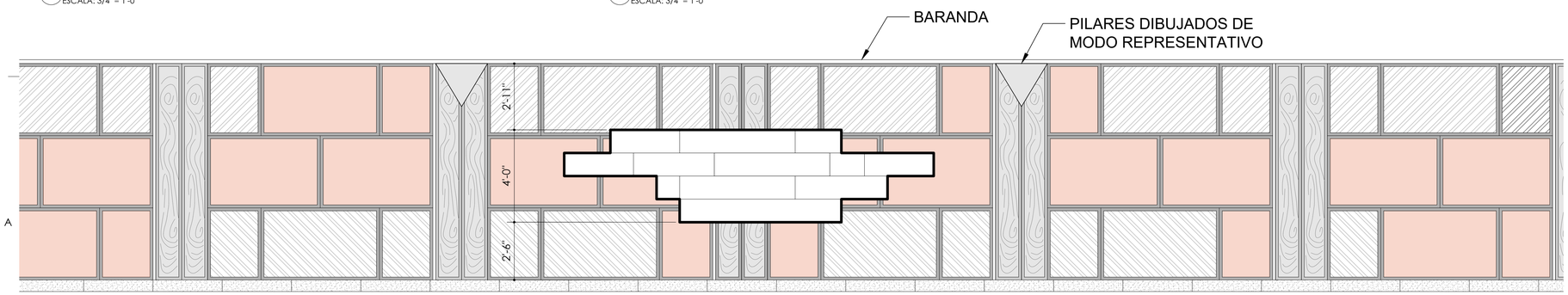
7 MATERIALIDAD



4 ELEVACIÓN LATERAL
ESCALA: 3/4" = 1'-0"



5 ELEVACIÓN FRONTAL
ESCALA: 3/4" = 1'-0"



6 EMPLAZAMIENTO
ESCALA: 3/16" = 1'-0"

COORDENADAS:
18° 27' 21° N; 66° 32' 15° W

NOTAS GENERALES:

1. CANTIDAD DE PIEZAS POR BANCO PUEDE VARIAR.
2. UNIDADES INDEPENDIENTES PUEDEN ESTAR EN OTRAS AREAS DEL PASEO.
3. COORDENADAS INDICAN CENTRO DE MASA.

N

COORDENADAS:
18° 27' 21° N; 66° 32' 15° W

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION. IN ORDER TO REVISE AND OR CORRECT IT IN TIME, THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

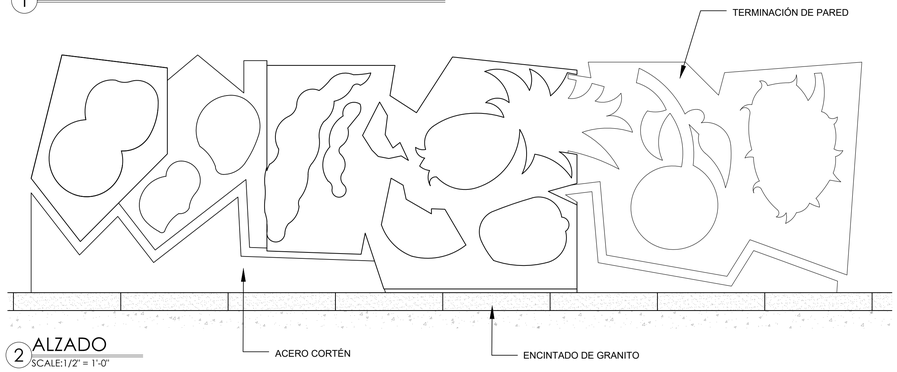
NOT FOR CONSTRUCTION

REVISIONS			
SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: DISTRIBUCIÓN DE BANCOS		SHEET Nº: A-08
DRAWN BY: SEBASTIAN FELICIANO	PHASE: PRELIMINARY PHASE	
	DATE:	PRINT DATE: 14 DE MAYO DE 2024

1 FOTO DE REFERENCIA- MURALL LOTUS 1980'S

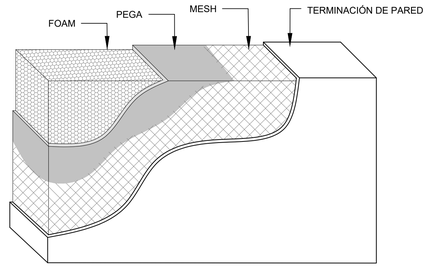


2 ALZADO
SCALE:1/2" = 1'-0"

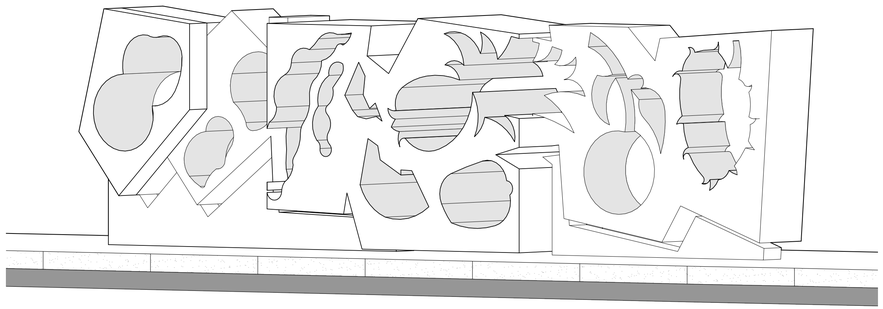
3 BASE- ACERO CORTÉN

4 MATERIAL- GRAVILLA

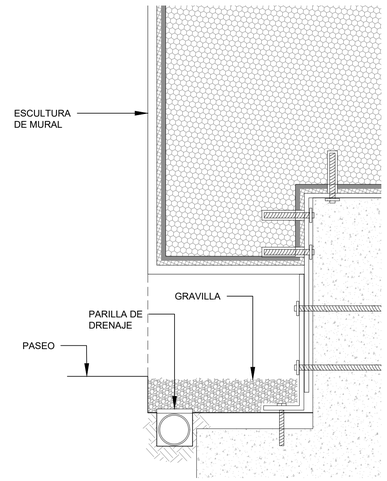
5 CONCRETO FLOTADO



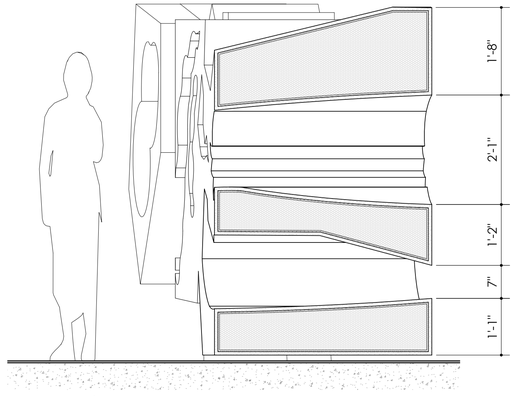
7 MATERIALIDAD DE MURAL



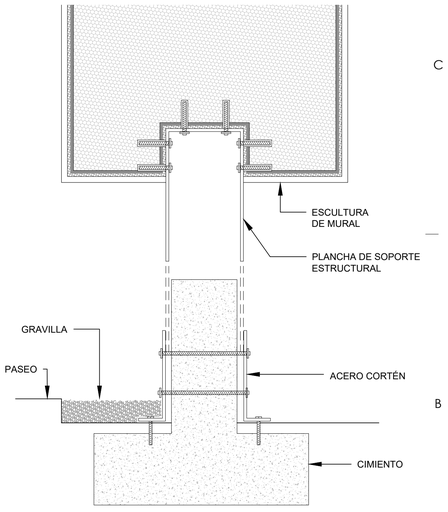
8 PERSPECTIVA- MURAL CONCRETO
SCALE:3/4" = 1'-0"



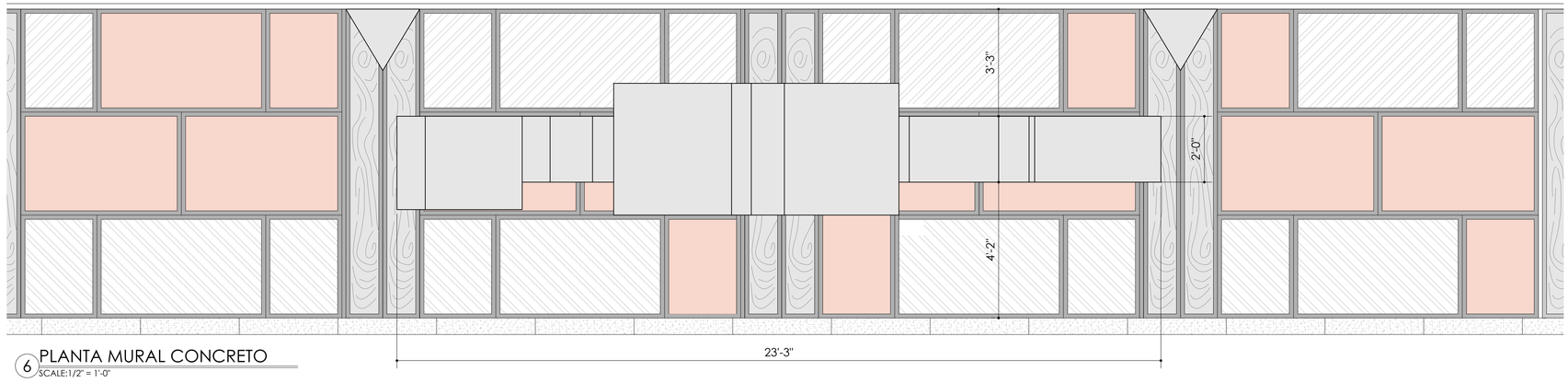
9 DETALLE DE DRENAJE
SCALE:1-1/2" = 1'-0"



10 SECCIÓN TRANSVERSAL
SCALE:1" = 1'-0"



11 SOPORTE DE BASE
SCALE:1" = 1'-0"



6 PLANTA MURAL CONCRETO
SCALE:1/2" = 1'-0"

NOTAS GENERALES:

1. PIEZA SERAN CONSTRUIDAS CON FOAM ESTRUCTURAL.
2. TERMINACION FINAL SERA ESPECIFICADA EN PROXIMAS FASES.
3. COORDENADAS INDICAN CENTRO DE MASA.

N

COORDENADAS:
18° 27' 21" N; 66° 32' 15" W

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK, CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME, THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM, BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: DETALLES DE ESCULTURA DE MURAL DE LA LOTUS

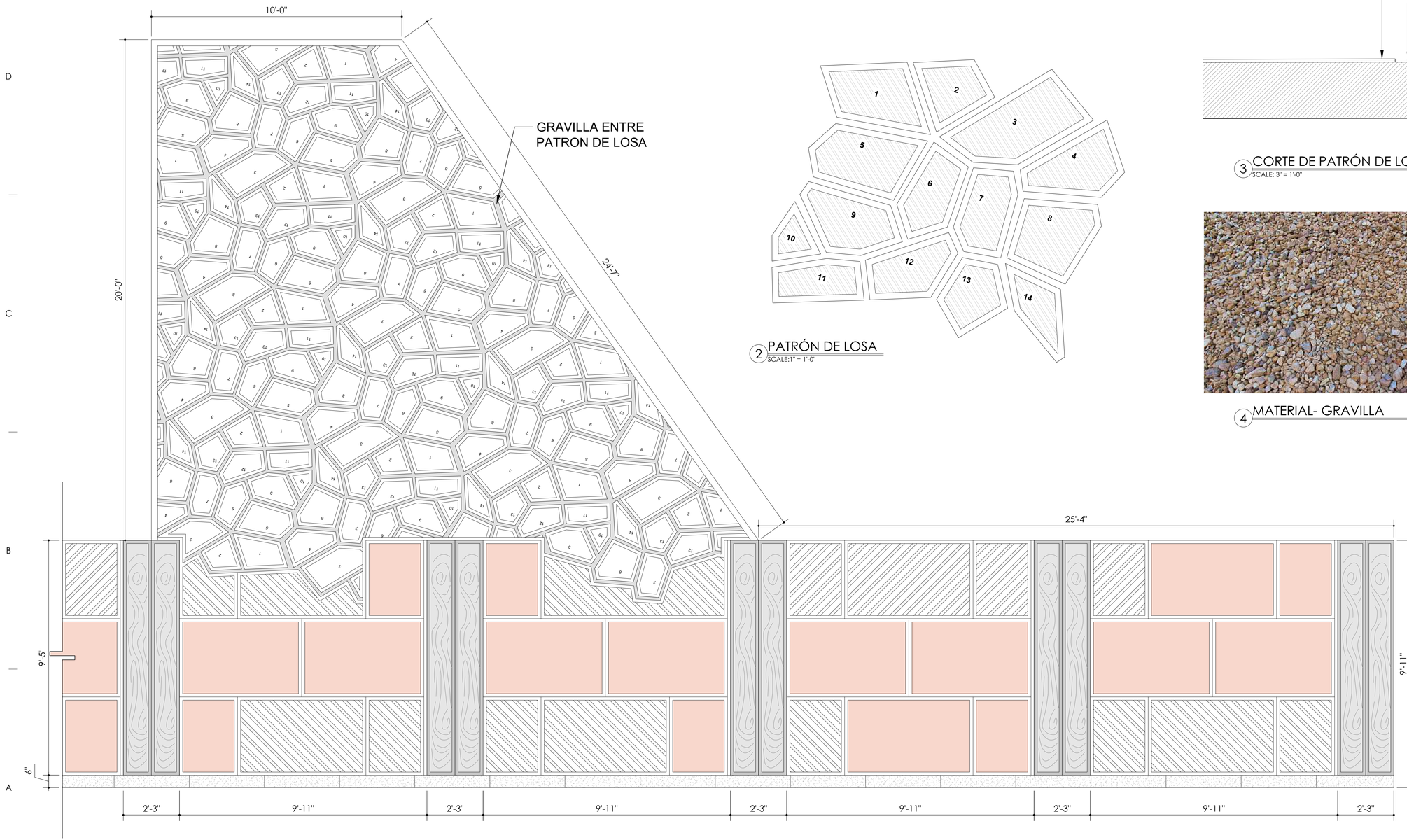
SHEET Nº: A-09

DRAWN BY: SEBASTIAN FELICIANO

PHASE: PRELIMINARY PHASE

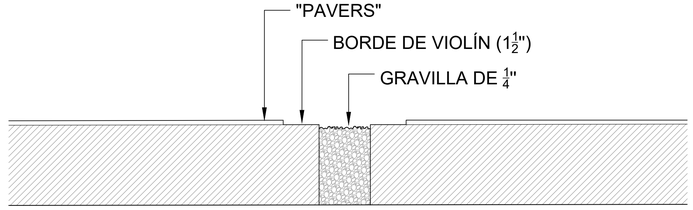
DATE:

PRINT DATE: 14 DE MAYO DE 2024



1 PLATAFORMA DE OBSERVACIÓN
SCALE:1/2" = 1'-0"

2 PATRÓN DE LOSA
SCALE:1" = 1'-0"



3 CORTE DE PATRÓN DE LOSA
SCALE: 3" = 1'-0"

4 MATERIAL- GRAVILLA

NOTAS GENERALES:

1. PATRÓN TÍPICO SERÁ MODIFICADO POR RAMPA (ADA) Y ELEMENTOS URBANOS EXISTENTES.
2. GRAVILLA DEBERA SER FIJADA POR SELLADOR QUE PERMITA QUE EL AGUA PERCOLE.

N

COORDENADAS:

1) 18° 27'13° N ; 66° 32'15° W
2) 18o 27'23.5o N ; 66o 32'15o W

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME, THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED, PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

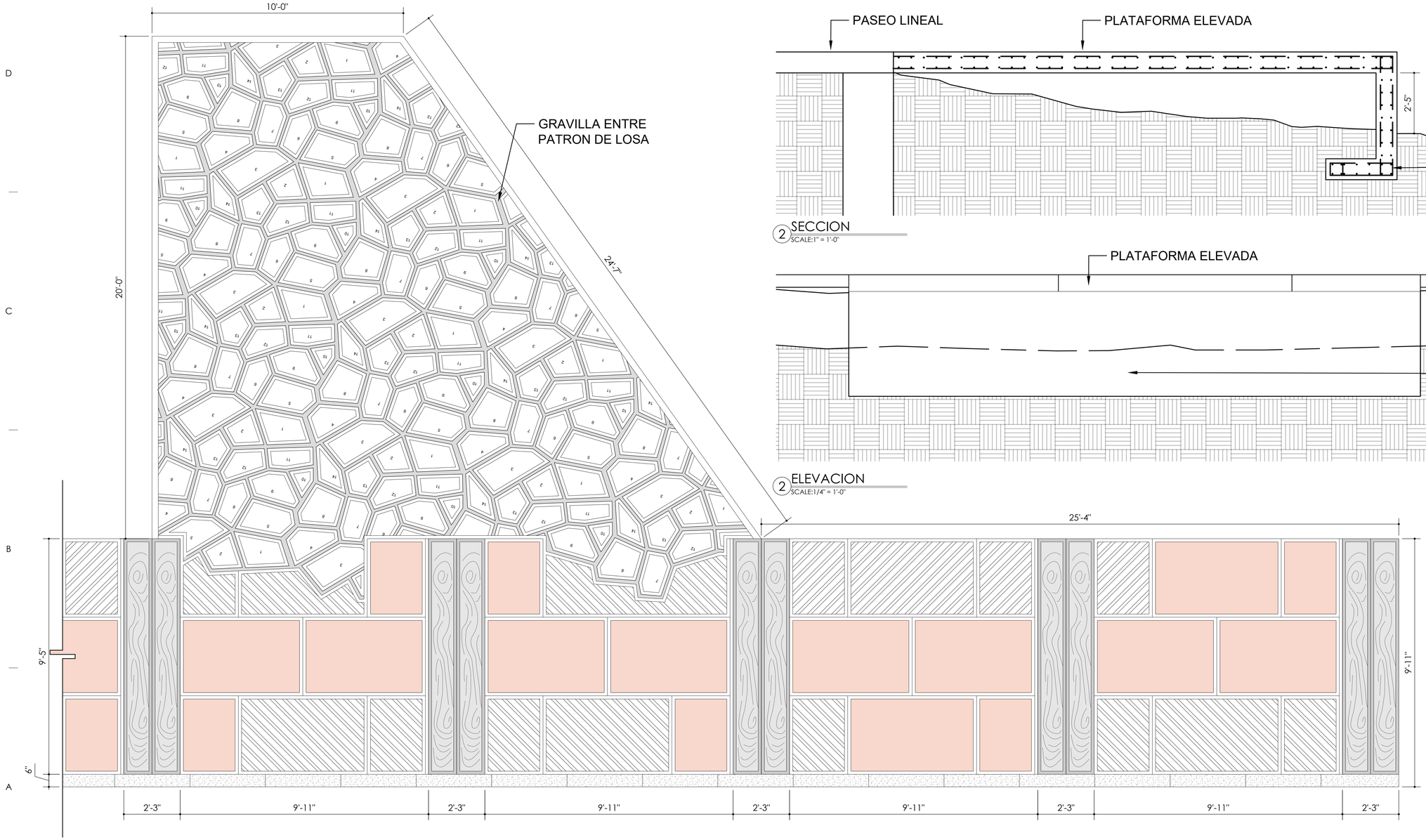
PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

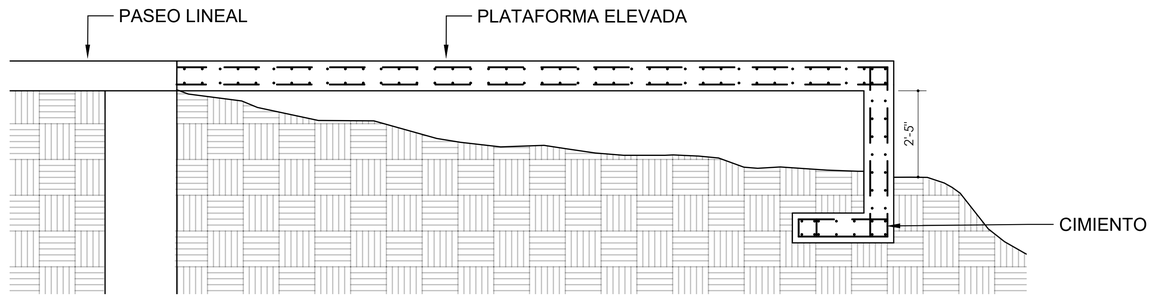
REVISIONS			
SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: PATRON EN PLATAFORMA DE OBSERVACIÓN		SHEET Nº: A-10
DRAWN BY:	PHASE: PRELIMINARY PHASE	
	DATE:	PRINT DATE: 14 DE MAYO DE 2024



1 PLATAFORMA DE OBSERVACIÓN
SCALE:1/2" = 1'-0"



2 SECCION
SCALE:1" = 1'-0"

2 ELEVACION
SCALE:1/4" = 1'-0"

N

COORDENADAS:
1) 18° 27'13" N ; 66° 32'15" W
2) 18o 27'23.5o N ; 66o 32'15o W

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: PLATAFORMA DE OBSERVACIÓN SUR

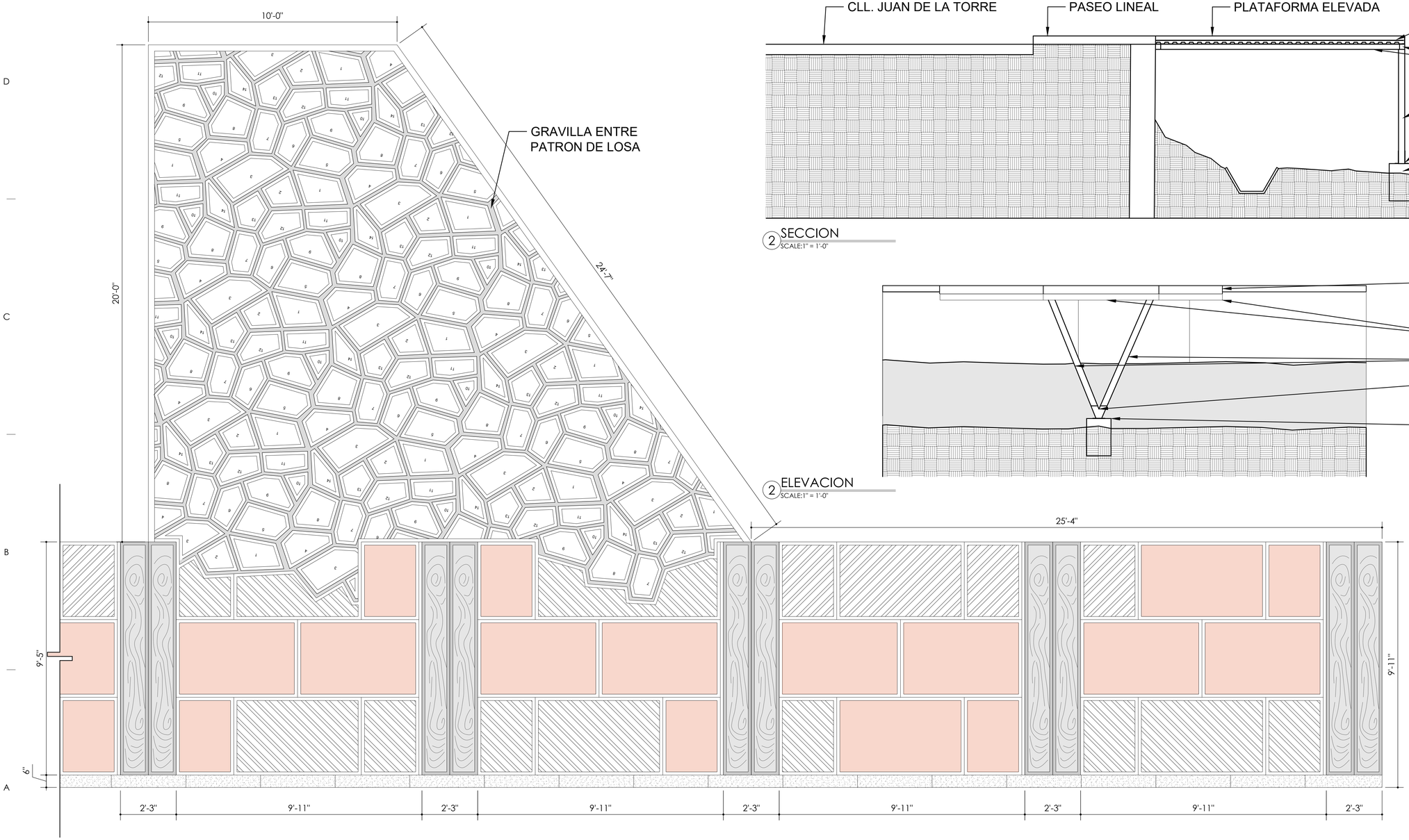
SHEET Nº: A-11

DRAWN BY:

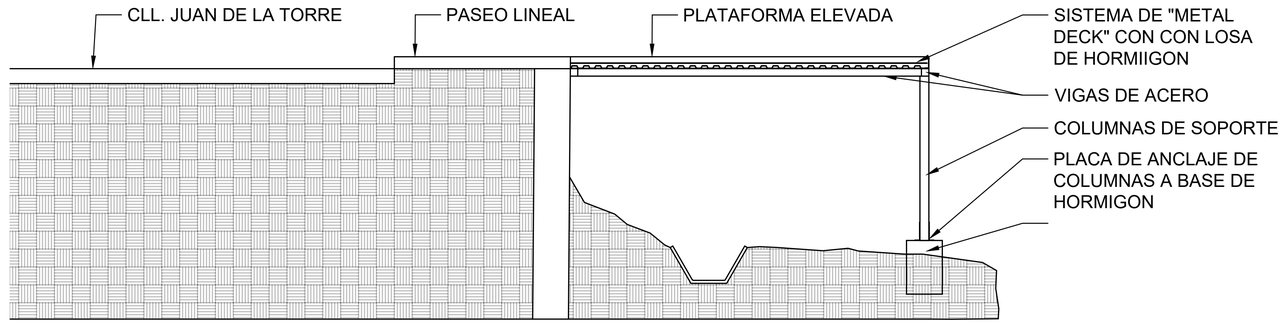
PHASE: PRELIMINARY PHASE

DATE:

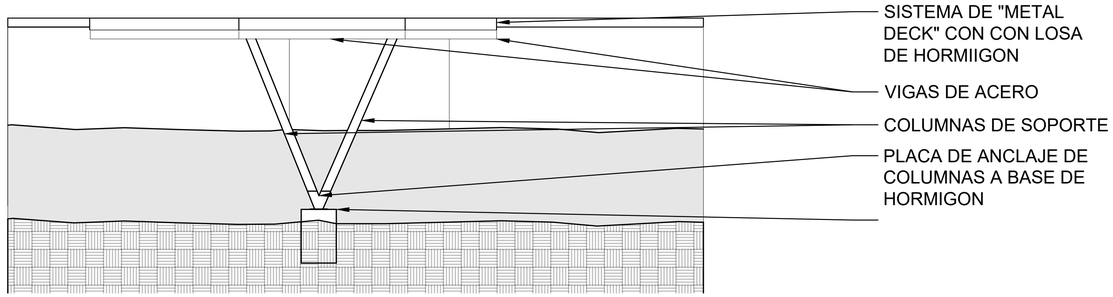
PRINT DATE: 14 DE MAYO DE 2024



1 PLATAFORMA DE OBSERVACIÓN
SCALE:1/2" = 1'-0"



2 SECCION
SCALE:1" = 1'-0"



2 ELEVACION
SCALE:1" = 1'-0"

N

COORDENADAS:
1) 18° 27'13° N ; 66° 32'15° W
2) 18° 27'23.5° N ; 66° 32'15° W

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

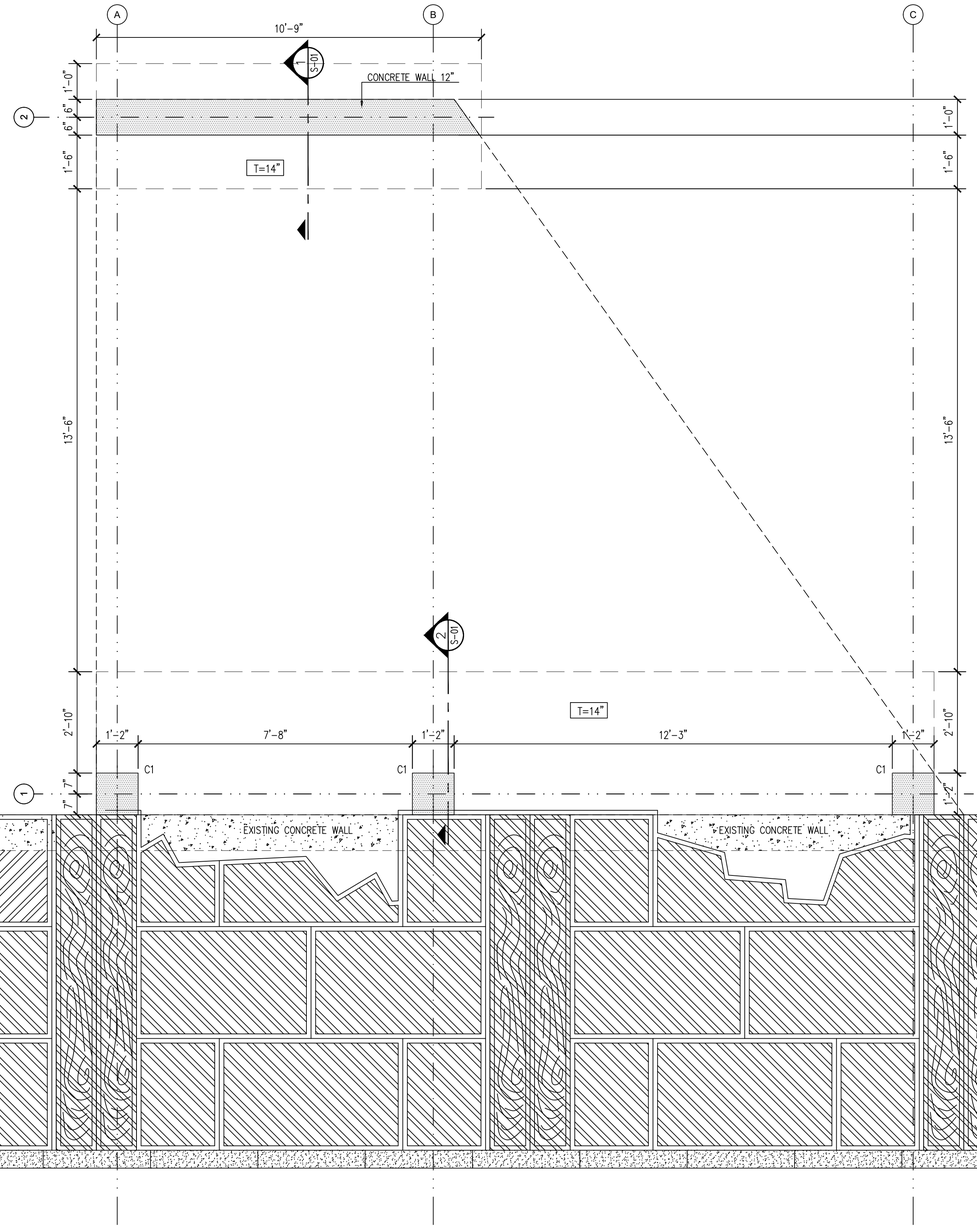
PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS			
SYMB.	DESCRIPTION	DATE	APPROVAL

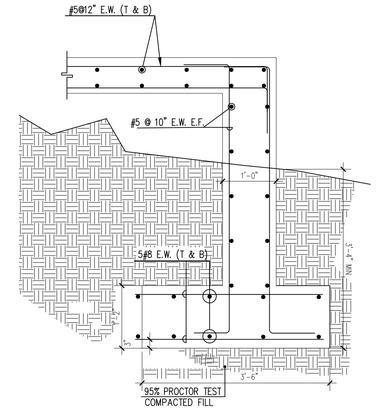
JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: PLATAFORMA DE OBSERVACIÓN NORTE	SHEET Nº: A-12
DRAWN BY:	PHASE: PRELIMINARY PHASE
	DATE:
	PRINT DATE: 14 DE MAYO DE 2024



FOUNDATION PLAN - CONCRETE WALL PROPOSAL

SCALE:1/2" = 1'-0"



SECTION

SCALE: 3/4"=1'-0" (1 / S-01)

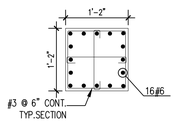
LEGEND:

E.W.	EACH WAY
E.F.	EACH FACE
B	BOTTOM REINFORCEMENT
T	TOP REINFORCEMENT
	WALL OR COLUMN BELOW SLAB

NOTE:

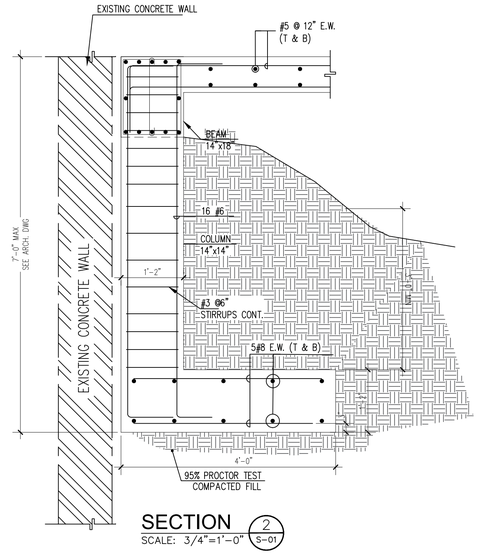
- ALL FOUNDATION WORK AND SOIL CAPACITY MUST BE VERIFY BY A GEOTECHNICAL ENGINEER. BEARING CAPACITY ASSUMED 2,000 PSF
- THE CONTRACTOR MUST BE SUBMIT SHOP DRAWINGS. ALL DIMENSIONS MUST BE TO CONFIRM WITH ARCHITECTURAL DRAWINGS

  F'C= 4,000 PSI
  FY=60 KSI
- ALL EXCAVATIONS AND FOUNDATIONS WORKS MUST BE TO COORDINATE AND SUPERVISED WITH A GEOTECHNICAL ENGINEER



COLUMN C-1

SCALE: 3/4"=1'-0"



SECTION

SCALE: 3/4"=1'-0" (2 / S-01)

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, MONICA A. SANTOS ESCOBAR LICENCIA 19044 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

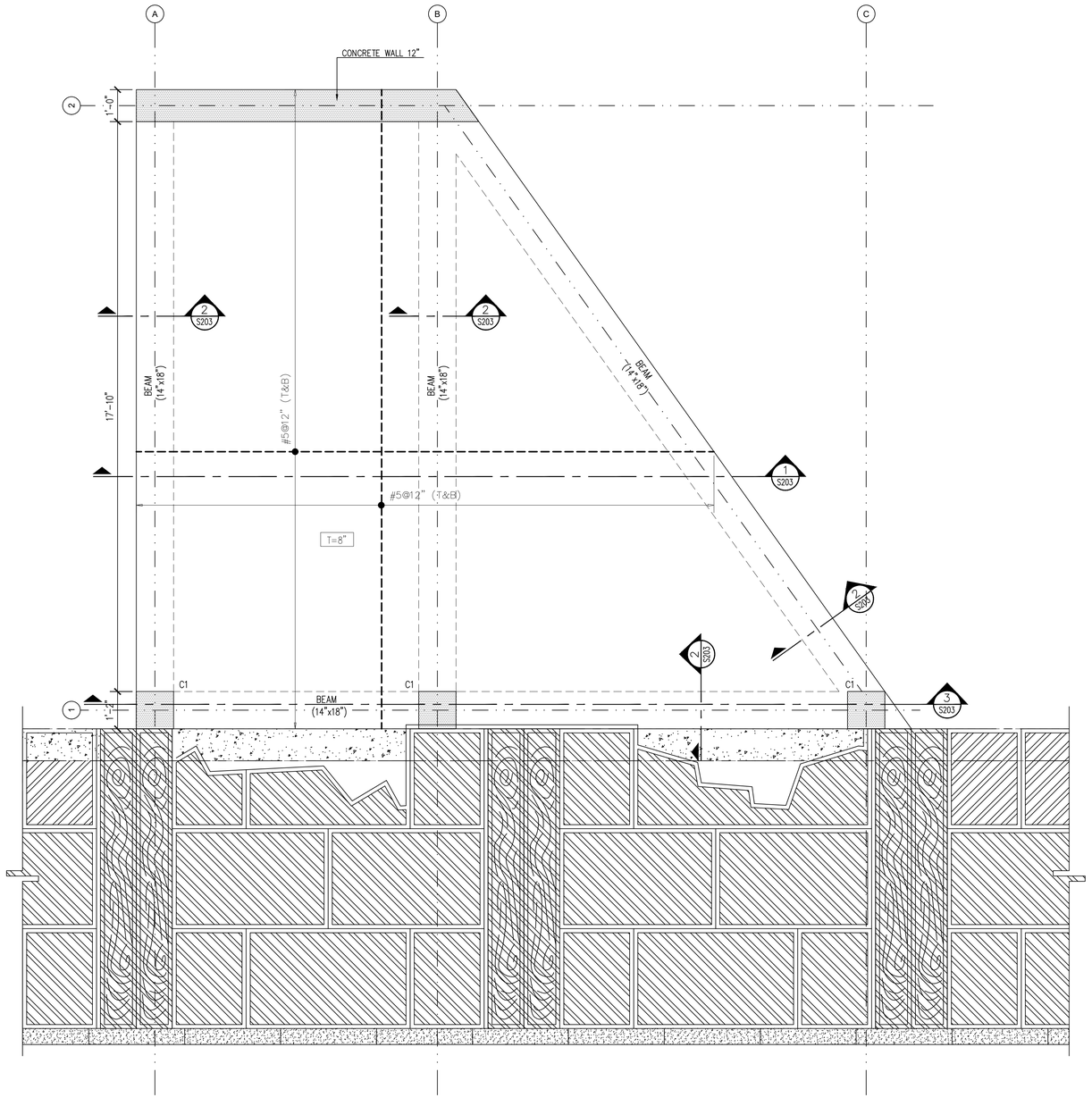
NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

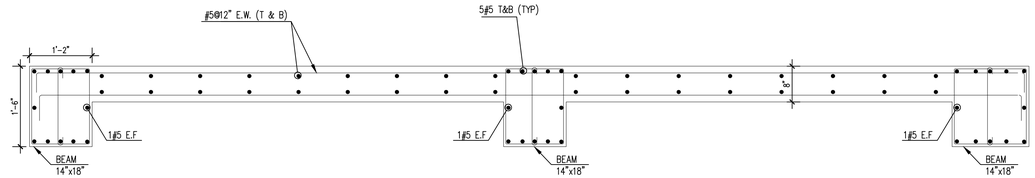
JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: STRUCTURAL FOUNDATION PLAN AND DETAILS	SHEET Nº: S-01
DRAWN BY: LUIS RODRIGUEZ POWELL	PHASE: DISEÑO ESQUEMÁTICO
DATE: 18 DE ABRIL DE 2024	PRINT DATE: 22 DE ABRIL DE 2024



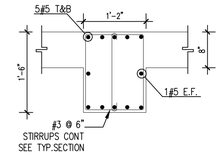
FLOOR SLAB - CONCRETE WALL PROPOSAL

SCALE:1/2" = 1'-0"



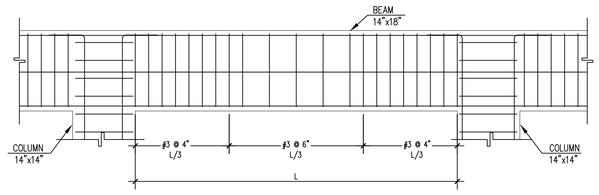
CONCRETE SLAB - SECTION (1 / S-02)

SCALE: 3/4"=1'-0"



BEAM 14"x18" (2 / S-02)

SCALE: 3/4"=1'-0"



TYPICAL BEAM ON COLUMN SECTION (3 / S-02)

SCALE: 3/4"=1'-0"

LEGEND:

E.W.	EACH WAY
E.F.	EACH FACE
B	BOTTOM REINFORCEMENT
T	TOP REINFORCEMENT
	WALL OR COLUMN BELOW SLAB

NOTE:

- ALL FOUNDATION WORK AND SOIL CAPACITY MUST BE VERIFY BY A GEOTECHNICAL ENGINEER. BEARING CAPACITY ASSUMED 2,000 PSF
- THE CONTRACTOR MUST BE SUBMIT SHOP DRAWINGS. ALL DIMENSIONS MUST BE TO CONFIRM WITH ARCHITECTURAL DRAWINGS

  F'C= 4,000 PSI
  FY=60 KSI
- ALL EXCAVATIONS AND FOUNDATIONS WORKS MUST BE TO COORDINATE AND SUPERVISED WITH A GEOTECHNICAL ENGINEER

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, MONICA A. SANTOS ESCOBAR LICENCIA 19044 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

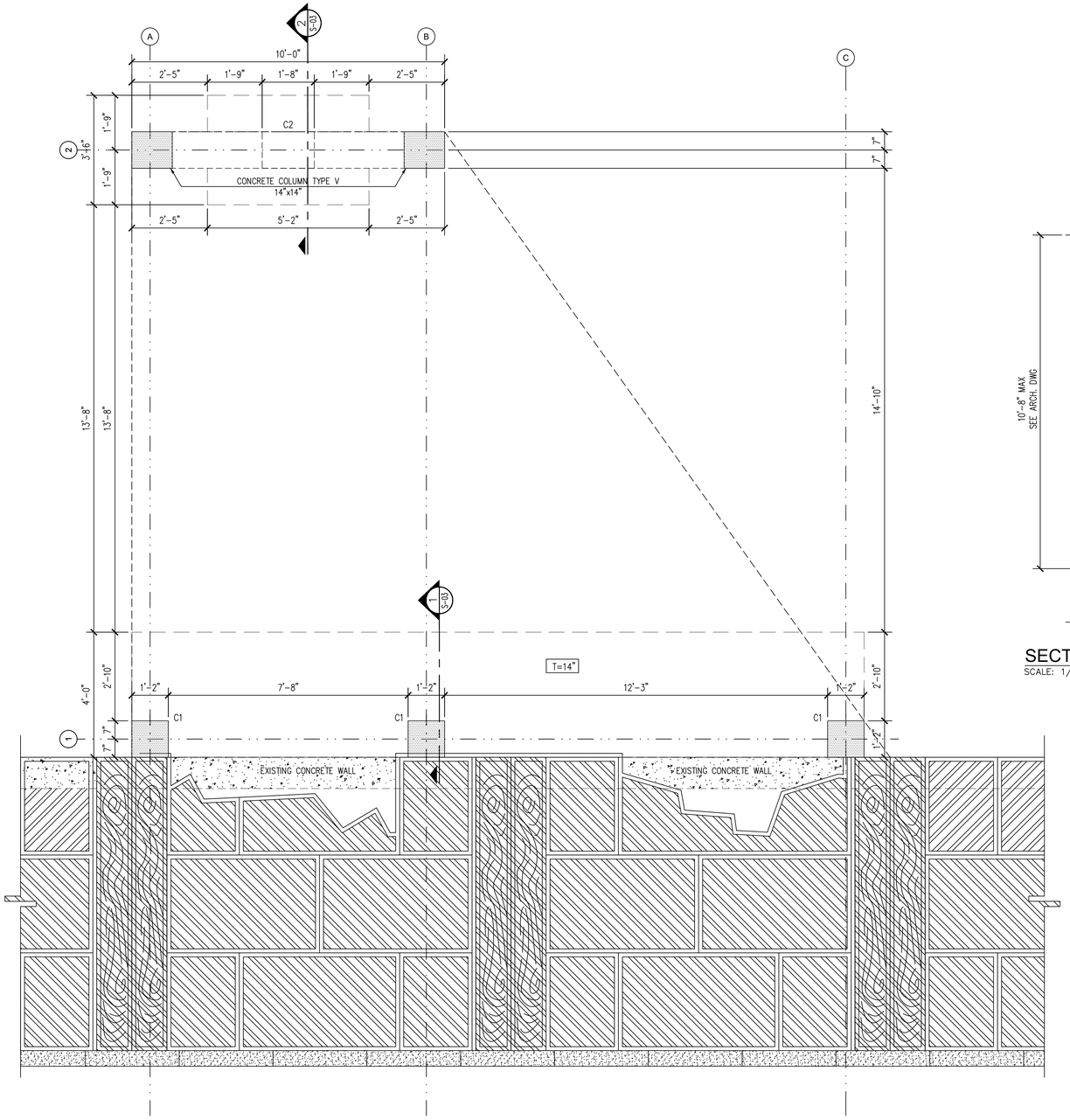
NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

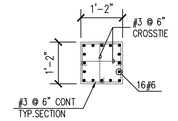
JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 835 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE:	STRUCTURAL SLAB PLAN AND DETAILS
SHEET Nº:	S-02
DRAWN BY:	LUIS RODRIGUEZ POWELL
PHASE:	DISEÑO ESQUEMÁTICO
DATE:	18 DE ABRIL DE 2024
PRINT DATE:	22 DE ABRIL DE 2024



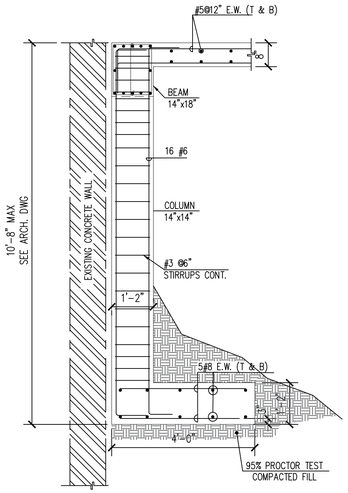
FOUNDATION PLAN - COLUMN TYPE "V" PROPOSAL

SCALE: 1/2" = 1'-0"



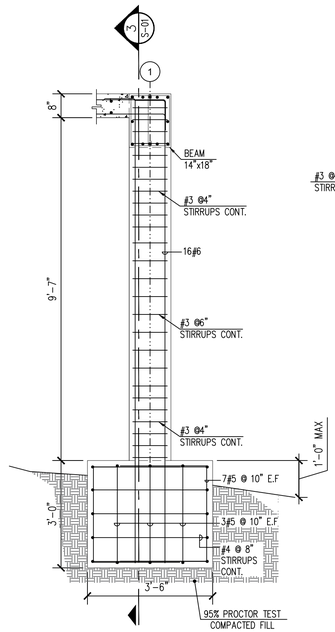
COLUMN C1

SCALE: 1/2"=1'-0"



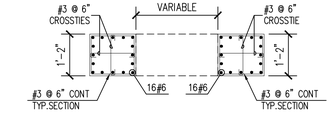
SECTION 1 S-03

SCALE: 1/2"=1'-0"



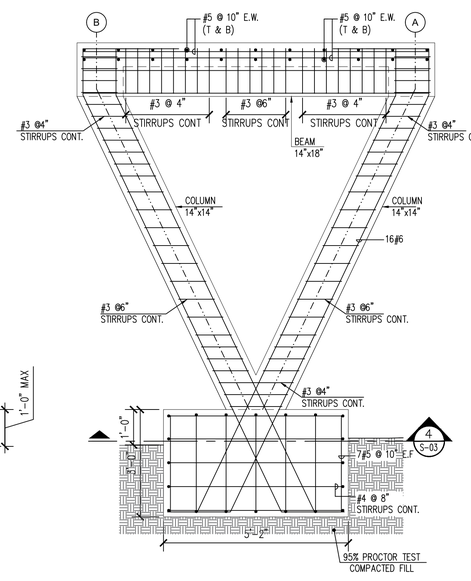
SECTION 2 S-03

SCALE: 1/2"=1'-0"



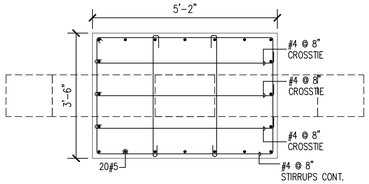
COLUMN C-2 TYPE "V"

SCALE: 1/2"=1'-0"



SECTION 3 S-03

SCALE: 1/2"=1'-0"



SECTION 4 S-03

SCALE: 1/2"=1'-0"

LEGEND:

E.W.	EACH WAY
E.F.	EACH FACE
B	BOTTOM REINFORCEMENT
T	TOP REINFORCEMENT
	WALL OR COLUMN BELOW SLAB

NOTE:

- ALL FOUNDATION WORK AND SOIL CAPACITY MUST BE VERIFY BY A GEOTECHNICAL ENGINEER. BEARING CAPACITY ASSUMED 2,000 PSF
- THE CONTRACTOR MUST BE SUBMIT SHOP DRAWINGS. ALL DIMENSIONS MUST BE TO CONFIRM WITH ARCHITECTURAL DRAWINGS

  F'C= 4,000 PSI
  FY=60 KSI
- ALL EXCAVATIONS AND FOUNDATIONS WORKS MUST BE TO COORDINATE AND SUPERVISED WITH A GEOTECHNICAL ENGINEER

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED, PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, MONICA A. SANTOS ESCOBAR LICENCIA 19044 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑO ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, MÉ HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

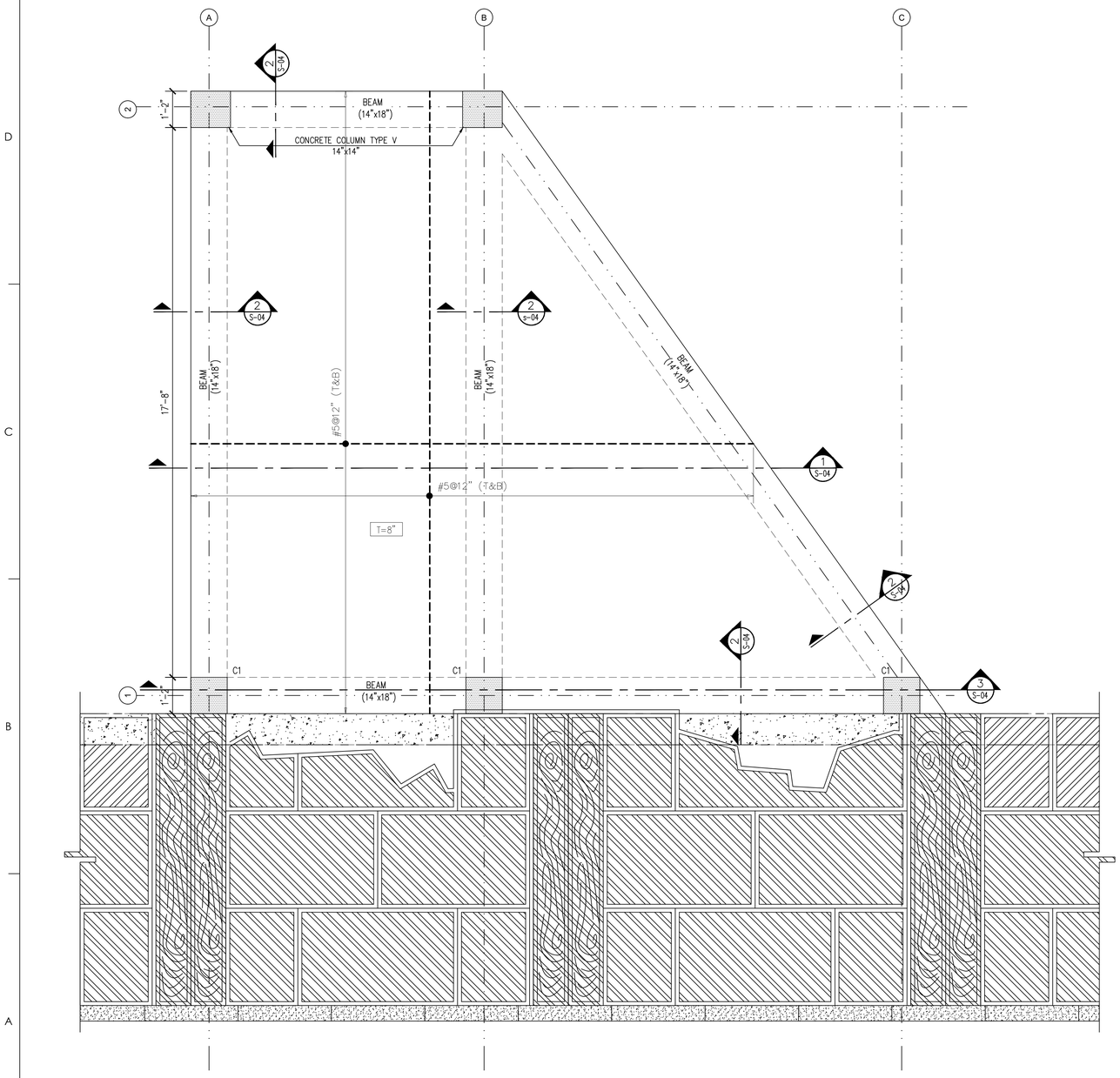
NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

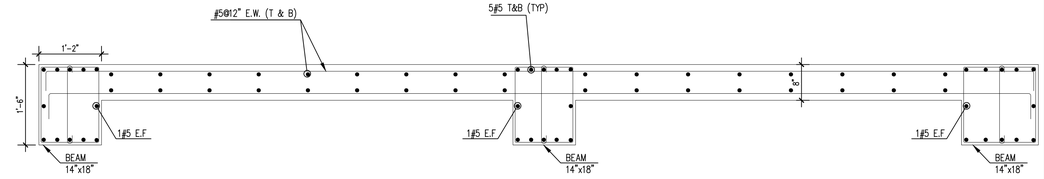
JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: STRUCTURAL FOUNDATION PLAN AND DETAILS	SHEET Nº: S-03
DRAWN BY: LUIS RODRIGUEZ POWELL	PHASE: DISEÑO ESQUEMÁTICO
DATE: 18 DE ABRIL DE 2024	PRINT DATE: 22 DE ABRIL DE 2024



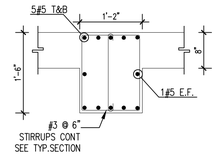
FLOOR PLAN - COLUMN TYPE "V" PROPOSAL

SCALE: 1/2" = 1'-0"



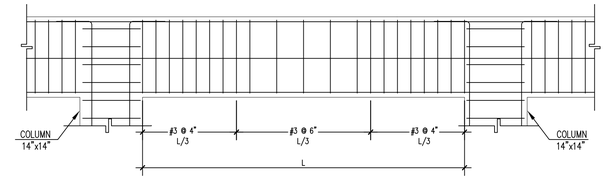
CONCRETE SLAB - SECTION 1 S-04

SCALE: 3/4"=1'-0"



BEAM 14"x18" 2 S-04

SCALE: 3/4"=1'-0"



TYPICAL BEAM ON COLUMN SECTION 3 S-04

SCALE: 3/4"=1'-0"

LEGEND:

E.W.	EACH WAY
E.F.	EACH FACE
B	BOTTOM REINFORCEMENT
T	TOP REINFORCEMENT
	WALL OR COLUMN BELOW SLAB

NOTE:

- ALL FOUNDATION WORK AND SOIL CAPACITY MUST BE VERIFY BY A GEOTECHNICAL ENGINEER. BEARING CAPACITY ASSUMED 2,000 PSF
- THE CONTRACTOR MUST BE SUBMIT SHOP DRAWINGS. ALL DIMENSIONS MUST BE TO CONFIRM WITH ARCHITECTURAL DRAWINGS

  F'C= 4,000 PSI
  FY=60 KSI

- ALL EXCAVATIONS AND FOUNDATIONS WORKS MUST BE TO COORDINATE AND SUPERVISED WITH A GEOTECHNICAL ENGINEER

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, MONICA A. SANTOS ESCOBAR LICENCIA 19044 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: STRUCTURAL SLAB PLAN AND DETAILS

SHEET N°: S-04

DRAWN BY: LUIS RODRIGUEZ POWELL

PHASE: DISEÑO ESQUEMÁTICO

DATE: 18 DE ABRIL DE 2024

PRINT DATE: 22 DE ABRIL DE 2024

Attachment N:
Sole Source Aquifers

EPA Sole Source Aquifers Map
PR-CRP-000541 - Paseo Juan de la Torre
Municipality of Barceloneta, Puerto Rico

Coordinates:
North: (18.458943, -66.534843);
South: (18.453635, -66.537689)

EHSConsulting Services
PO Box 1384, Boquerón, PR 00622
(787) 567-1302

Legend:

- Paseo Juan de la Torre (Center Point)
- EPA Sole Source Aquifers

Scale: 1:9,000,000

100 0 100 200 km

100 0 100 mi

Spatial Reference:
NAD 83 State Plane Puerto Rico & Virgin Is.
EPSG 32161

Reference:
EPA Sole Source Aquifers
Open Street Maps Tile

Source:
EPA sole Source Aquifers.
DATA.govcatalog.data.gov/organization/epa-gov?q=sole+source+aquifer&sort=score+desc%2C+metadata_modified+desc
Open Street Maps Tile
https://tile.openstreetmap.org/{z}/{x}/{y}.png

Attachment O:
Wetlands Protection

Wetlands Map
PR-CRP-000541 - Paseo Juan de la Torre
Municipality of Barceloneta, Puerto Rico
Coordinates:
North: (18.458943, -66.534843);
South: (18.453635, -66.537689)

EHSConsulting Services
PO Box 1384, Boquerón, PR 00622
(787) 567-1302

Legend:

- Paseo Juan de la Torre

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Riverine

Scale: 1:4,000

50 0 50 100 m

250 0 250 ft

Spatial Reference:
NAD 83 State Plane Puerto Rico & Virgin Is.
EPSG 32161

Reference:
U.S. Fish & Wildlife Service. National Wetlands Inventory
Aerial photograph of Barceloneta, PR. Recovered from Google Satellite Tile. Imagery Date: September 16, 2024

Source:
U.S. Fish & Wildlife Service. National Wetlands Inventory
https://www.fws.gov/program/national-wetlands-inventory/download-state-wetlands-data
Google Earth Tile
http://www.google.cn/maps/vt?lyrs=s@189&gl=cn&x={x}&y={y}&z={z}

CDBG-DR PROGRAM

City Revitalization Program

PRIMARY SCREENING FOR WETLANDS
AS PER HUD's REGULATIONS AT 24 CFR 55.9(b)

General Information:		
Project Name (Case ID):	Paseo Juan de la Torre (PR-CRP-000541)	
Coordinates:	18.453162, -66.537751 to 18.458961,-66.534844	
Parcel ID:	015-000-009-26	
Municipio:	Barceloneta	
Report Date:	June 5, 2025	
Preparer:	Javier Velez Arocho, Diatom Environmental Services, LLC	
Project Scope:		
Does this project involve new construction as defined in Executive Order 11990? (The term "new construction" shall include draining, dredging, channelizing, filling, diking, impounding, and related activities and any structures or facilities begun or authorized after the effective date of the Order.)	☐ Yes	☒ No (Based on the response, the review is in compliance)
Project Site Conditions: (Indicate whether the area is impacted or not. If impacted, specify what elements or factors are present.)	The existing Paseo Juan de la Torre (Paseo) in Barceloneta runs for approximately 2,624.67 feet (800 meters) from north to south and borders what was formerly the riverbank of the Manatí River with an average width of 12 feet (3.65 meters). The Paseo covers an area of 26,180 square feet (2,432.20 square meters) and is located in the Barceloneta urban area, heavily impacted with impervious surfaces. Vegetation areas border the length of the walkway on its eastern edge. This area is not accessible to pedestrians given a change in elevation, and that it has an existing railing which will be replaced. There are also sidewalks,	

	benches, asphalt surfaces along the linear walkway route. The soil in areas adjacent to the linear park is composed of crushed stones and consolidated material. The proposed action will have two (2) observation platforms which will extend a maximum of 20 feet from the edge of the sidewalk (see drawings of platforms in Attachment 1). The support of these platforms will occur in areas determined as "upland", per Jurisdictional Wetland report (see Attachment 2) that was prepared for activities in the pond area.

A. Visual Assessment (Desktop Study)

National Wetlands Inventory (NWI) Reference		
Coordinates: North observation platform: 18.456519°, -66.537484° South observation platform: 118.453704°, -66.537655°		
Is the project area located in proximity to wetlands identified on the National Wetlands Inventory (NWI)?	☒ Yes	The project site is in proximity to wetlands identified on NWI. (See maps in Attachment 3).
	☐ No	The project site is not in proximity of wetlands identified on NWI.

B. Visual Assessment (Field Study)

Visual Assessment performed on: 11/12/2024	
List Individual(s) conducting the assessment. List weather conditions the day the assessment was performed, description of Site Conditions and Transects performed at site.	
Individual(s) present:	Javier Vélez-Arocho, MSc Gabriel Rodríguez-Rojas, MSc

Weather Conditions: (Prior and during the site visit)	Clear Sky, dry with temperatures exceeding 81°F during the site visit. Prior to the event, the area registered heavy rains.	
Where transects performed?	☐ Yes	☒ No
If performed, how many transects were performed per transects?	None	

Wetland Vegetation:		
Was vegetation identified throughout the visit?	☒ Yes	Wetland vegetation was identified. (Provide supporting documentation) In the vegetation corridor adjacent to the project, some vegetation was identified as Facultative Wetland (FAC-wet), which refers to plants that typically grow in wetland areas but can also be found in non-wetland environments. (see information in Attachment 2 and photos in Attachment 4).
	☐ No	No wetland vegetation was identified. (Provide supporting documentation).

Wetland Hydrology:		
Was visual inundation, ponding or saturation present at the site?	☐ Yes	☒ No
Were watermarks present within site (If applicable)?	☐ Yes	☒ No
If performed, how many borings were performed per transects?	0	
If performed, how many samples were taken?	Not applicable	

Wetland Hydrology:		
If performed, was underground water found throughout borings?	☐ Yes	☐ No
If boring were performed, summarize determination of borings:	Not applicable	
Reasoning as for why borings were not performed:	Sampling in the area showed the presence of consolidated and/or aggregated soils formed with a mix of limestone, crushed stone and topsoil. The area presented extensive restrictive layers of rocks and consolidated material along the eastern side of the existing sidewalks. This is an area heavily modified by anthropomorphic activities conducted over 20 years ago. Also, the proposed project will not impact the existing channels or wetlands further East of the action area.	
Provide supporting documentation (Photo Log) with brief descriptions and georeferenced document of all boring sample locations taken at end of form.		

Hydric Soils:	
What is the NRCS' soil classification for this site?	- Cn Coloso silty clay, 0 to 2 percent slopes, occasionally flooded - RsF Rock outcrop-San German complex, 20 to 60 percent slopes - To Toa silty clay loam, 0 to 2 percent slopes, occasionally flooded - Ul Urban land Soil map included in Attachment 5.

Hydric Soils:		
If performed, how many borings were performed per transects?	0	
If performed, when were the borings performed?	Not applicable	
If performed, how many samples were taken?	Not applicable	
If performed, what were the identified soils for each sample?	Not applicable	
If performed, does the identified soil sample concur with NRCS Soil Study Identification?	☐ Yes	☐ No
If performed, was underground water found throughout borings?	☐ Yes	☐ No
If boring were performed, summarize determination of borings:	Not applicable	
Reasoning as for why borings were not performed:	The visual inspection of the area confirmed that the soils in the area adjacent to the project were severely modified during the construction of the Barceloneta Flood Control Project in 2001. No conditions of hydric soil were identified in the areas where the platforms will be located and along the land adjacent to the linear park's walkway. The soil in this area consists of made land and a restrictive layer of solid material composed of rock and fill. Sampling pits were not able to be performed because of the restrictive layer. See Attachment 5 for the location of the sampling pits. Photos of the sampling pit's	

Hydric Soils:	
	conditions are included in the document in Appendix B of the document included in Attachment 2.
Provide supporting documentation (Photo Log) with brief descriptions and georeferenced document of all boring sample locations taken at end of form.	

Summary of Finding for Wetland Indicators	
Is there a presence of mentioned indicators or characteristics of wetlands within the assessed area?	☒ Wetlands Vegetation
	☐ Hydric Soils
	☐ Hydrology
	☐ No Indicators were observed

C. Determination

Visual Assessment Field Study and Desktop Study		
Based on Visual Assessment Field Study and Desktop Study:	☐	The primary screening conclusively determined that the project site contains wetlands.
	☒	The primary screening conclusively determined that the project site does not contain wetlands.
	☐	The primary screening is inconclusive; potential wetlands should be further studied.

D. Supporting Documentation

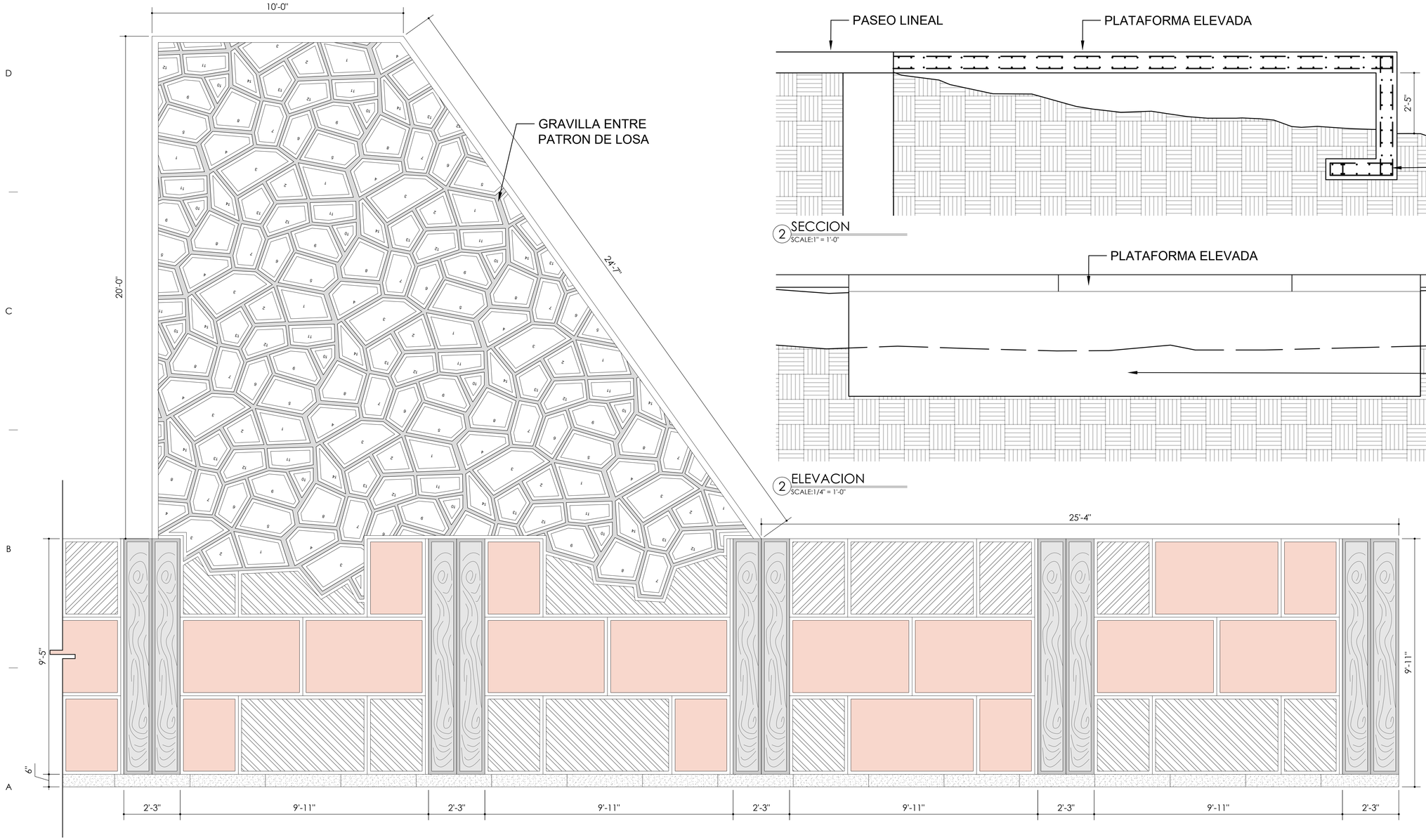
The best available information such as NRCS Soil identification, Maps, USDA Plant Lists, previous USACE wetland determinations, if any, and/or documentation of project site (if available) must be provided to support the determination made. All supporting documentation must provide source reference.

Field Study photos, photo log, and georeferenced document demonstrating location of all boring samples must be included in this form.

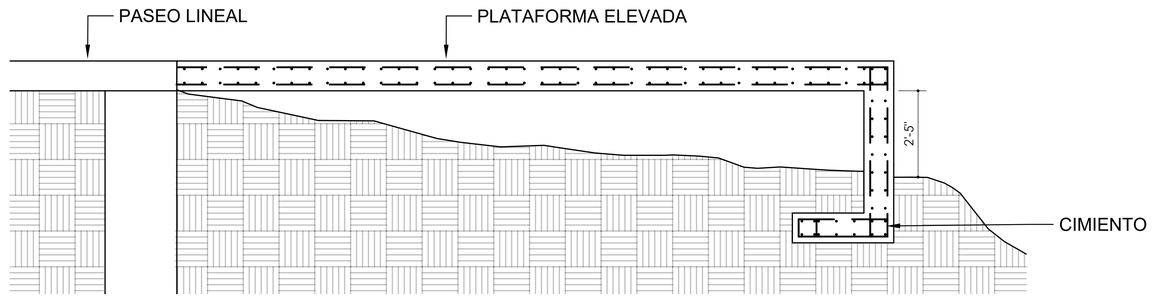
Attachments:

1	Drawings of North and South observation platforms
2	Jurisdictional Wetland Report
3	National Wetland Inventory map for the approximate locations of the north and south platforms.
4	Photos of the areas adjacent to platforms and along the linear walkway.
5	Soil map.
6	Aerial images show of Sampling Points locations.

Attachment 1: Drawings of North and South observation platforms



1 PLATAFORMA DE OBSERVACIÓN
SCALE:1/2" = 1'-0"



2 SECCION
SCALE:1" = 1'-0"

2 ELEVACION
SCALE:1/4" = 1'-0"

N

COORDENADAS:
1) 18° 27'13" N ; 66° 32'15" W
2) 18o 27'23.5o N ; 66o 32'15o W

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS

SYMB.	DESCRIPTION	DATE	APPROVAL

JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: PLATAFORMA DE OBSERVACIÓN SUR

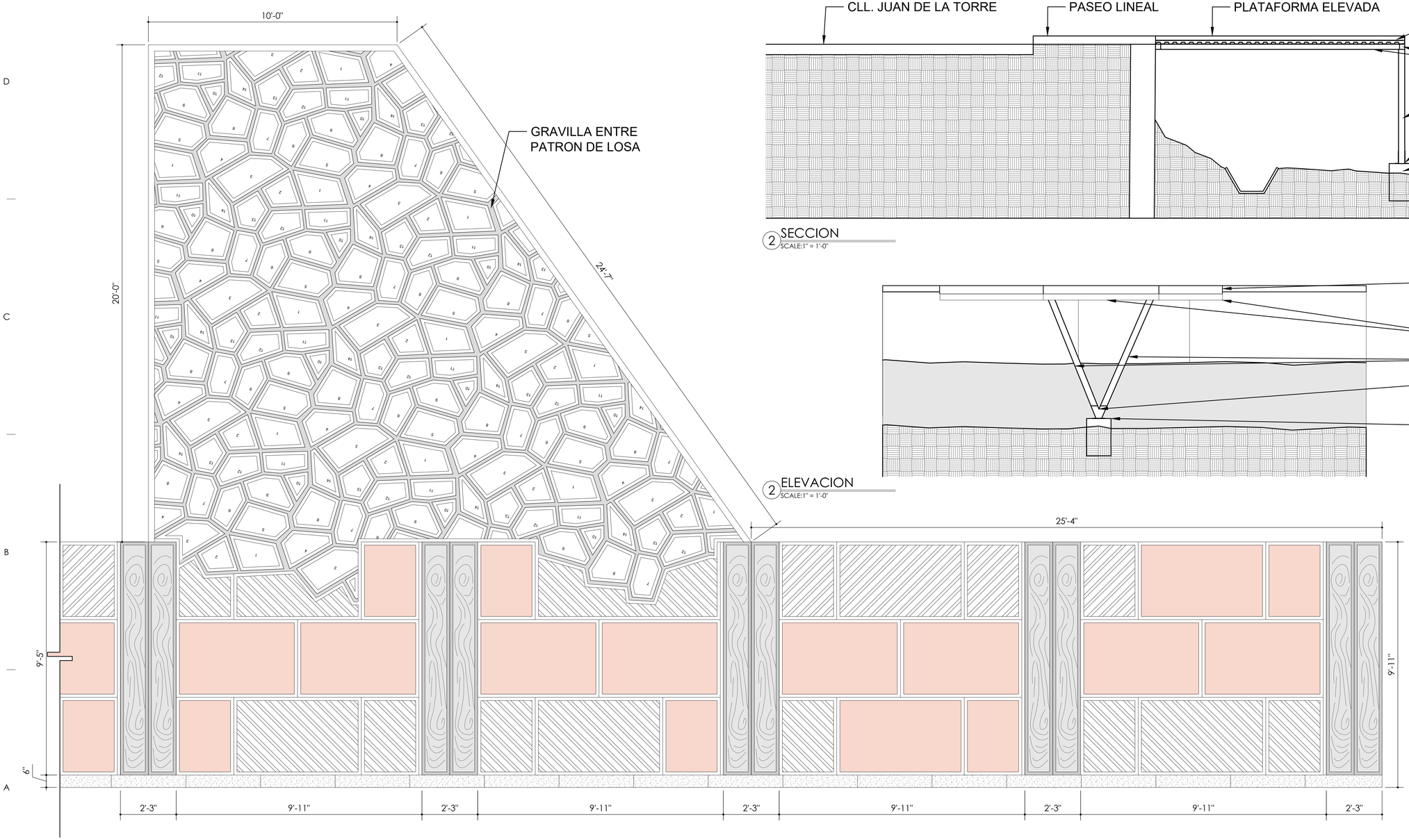
SHEET Nº: A-11

DRAWN BY:

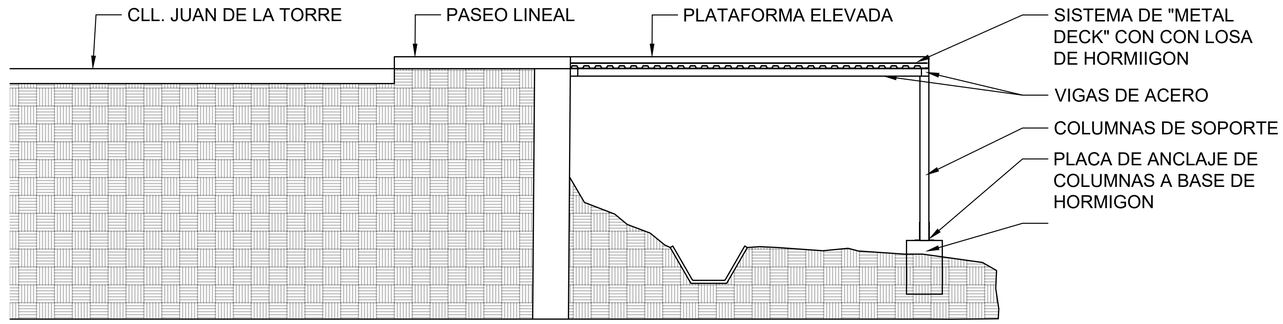
PHASE: PRELIMINARY PHASE

DATE:

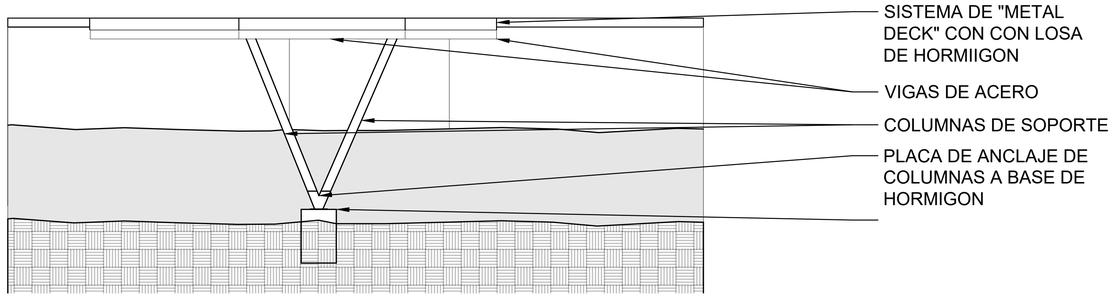
PRINT DATE: 14 DE MAYO DE 2024



1 PLATAFORMA DE OBSERVACIÓN
SCALE:1/2" = 1'-0"



2 SECCION
SCALE:1" = 1'-0"



2 ELEVACION
SCALE:1" = 1'-0"

N

COORDENADAS:
1) 18° 27'13° N ; 66° 32'15° W
2) 18° 27'23.5° N ; 66° 32'15° W

IMPORTANT INFORMATION FOR THE CONTRACTOR

ALL DIMENSIONS, LEVELS AND SITE EXISTING CONDITIONS SHALL BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO INITIATING ANY WORK. CONTRACTOR MUST INFORM THE ARCHITECT ABOUT THE EXISTENCE OF ANY DISCREPANCY, EITHER BY ERROR OR OMISSION, IN THE SET OF CONSTRUCTION DOCUMENTS BEFORE THE BEGINNING OF THE CONSTRUCTION, IN ORDER TO REVISE AND OR CORRECT IT IN TIME. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR THESE OMISSIONS OR ERRORS IF THEY ARE NOT INFORMED ON TIME.

CONTRACTOR SHALL NOT USE ANY DRAWING GIVEN IN ADVANCE PRIOR TO THE CONSTRUCTION, ESPECIALLY IF IT DOES NOT HAVE THE "CONSTRUCTION ONLY" STAMP, SIGNED AND STAMPED BY THE ARCHITECT.

THESE DRAWINGS ARE SOLELY PROPERTY OF "JORGE RIGAU ARQUITECTOS", AND NO ONE WILL BE ALLOWED TO USE THEM BUT AS A CONSTRUCTION DOCUMENT FOR THE PROJECT THEY WERE DEVELOPED. PARTIAL OR FULL REPRODUCTION OF ANY DRAWING WILL REQUIRE WRITTEN AUTHORIZATION BEFOREHAND.

LEY DE CERTIFICACIONES / CERTIFICATION LAW

YO, JORGE RIGAU PÉREZ LICENCIA 7650 CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN.

RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO SIN CONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OIGPE Y OTRAS AUTORIDADES COMPETENTES, INCLUYENDO, PERO SIN LIMITARSE, A LA TERMINACIÓN DE LA PARTICIPACIÓN EN LOS PROCEDIMIENTOS DE CERTIFICACIÓN PROFESIONAL EN LA OIGPE.

MUNICIPALITY OF BARCELONETA / CITY REVITALIZATION PROGRAM

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

REVISIONS			
SYMB.	DESCRIPTION	DATE	APPROVAL

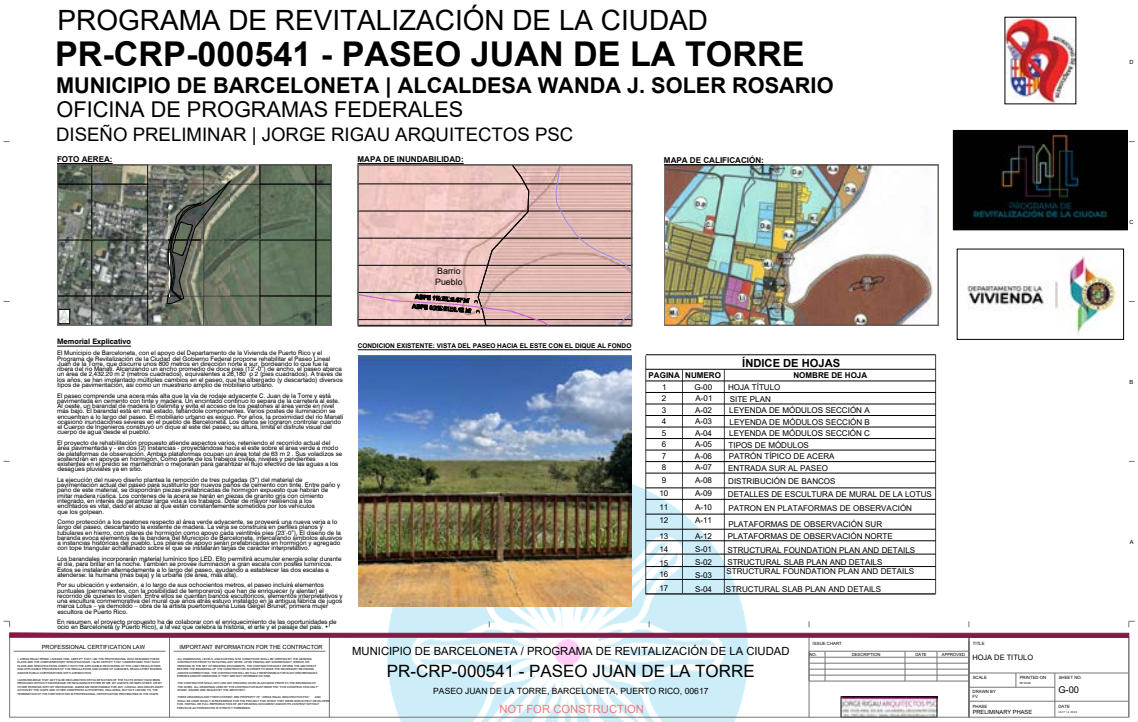
JORGE RIGAU FAIA ARQUITECTOS PSC
URB. HYDE PARK 855 AVE. LAS MARÍAS, SAN JUAN, PUERTO RICO 00927
TEL: (787)982-0002 FAX: (787)982-0006 EMAIL: OFICINA@JORGERIGAU.COM

DRAWING TITLE: PLATAFORMA DE OBSERVACIÓN NORTE	SHEET Nº: A-12
DRAWN BY:	PHASE: PRELIMINARY PHASE
	DATE:
	PRINT DATE: 14 DE MAYO DE 2024

Attachment 2: Jurisdictional Wetland Report

(Note: This evaluation was performed, in part, to address areas near and in the pod which was originally part of the project's scope. The pond is no longer part of the proposed activity.)

Jurisdictional Wetlands and U.S. Waters Determination Study



PROGRAMA DE REVITALIZACIÓN DE LA CIUDAD

PR-CRP-000541 - PASEO JUAN DE LA TORRE

MUNICIPIO DE BARCELONETA | ALCALDESA WANDA J. SOLER ROSARIO

OFICINA DE PROGRAMAS FEDERALES

DISEÑO PRELIMINAR | JORGE RIGAU ARQUITECTOS PSC

FOTO AREA:

MAPA DE INUNDABILIDAD:

Barrio Pueblo

MAPA DE CALIFICACIÓN:

PROGRAMA DE REVITALIZACIÓN DE LA CIUDAD

DEPARTAMENTO DE LA VIVIENDA

Memorial Explicativo

El Municipio de Barceloneta, con el apoyo del Departamento de la Vivienda de Puerto Rico y el Programa de Revitalización de la Ciudad del Gobierno Federal propone rehabilitar el Paseo Lineal Juan de la Torre, que discurre unos 800 metros en dirección norte a sur, bordeando lo que fue la antigua línea del ferrocarril que comunicaba a Barceloneta con Manatí. El área de intervención alcanza un área de 2,432.20 m.2 (metros cuadrados), equivalentes a 26,180 p.2 (pies cuadrados). A través de los años, se han implantado múltiples cambios en el paseo, que ha albergado (y descartado) diversos tipos de pavimentación, así como un muestrario amplio de mobiliario urbano.

El paseo comprende una acera más alta que la vía de rodaje adyacente C. Juan de la Torre y está pavimentada en cemento con brile y madera. Un encintado continuo lo separa de la carretera al este. Al oeste, un barandal de madera lo delimita y evita el acceso de los peatones al área verde en nivel inferior. Este área verde, de unos 3 metros de ancho, discurre a lo largo de todo el paseo y en ella se encuentran a lo largo del paseo. El mobiliario urbano es escaso. Por años, la proximidad del río Manatí ocasionó inundaciones severas en el pueblo de Barceloneta. Los daños se lograron controlar cuando el Cuerpo de Ingenieros construyó un dique al este del paseo; su altura, limitó el disfrute visual del cuerpo de agua desde el pueblo.

El proyecto de rehabilitación propuesto atiende aspectos varios, retemiendo el recorrido actual del área pavimentada y - en dos (2) instancias - proyectándose hacia el este sobre el área verde a modo de plataformas de observación. Estas plataformas, una al norte y otra al sur, de forma octagonal se sustentarán en apoyos en hormigón. Ambas plantean los trabajos mínimos y necesarios para que los servicios existentes en el predio se mantendrán o mejorarán para garantizar el flujo efectivo de las aguas a los desagües pluviales ya en sitio.

La ejecución del nuevo diseño plantea la remoción de tres pulgadas (3") del material de pavimentación actual del paseo para sustituirlo por nuevos paños de cemento con brile. Entre paño y paño de este material, se dispondrían piezas prefabricadas de hormigón expuesto que habrían de integrarse, en cierta medida, con el material existente. Esto permitiría un mejor acoplamiento integración, en interés de garantizar larga vida a los trabajos. Dotar de mayor resistencia a los encofrados es vital, dado el abuso al que están constantemente sometidos por los vehículos que los golpean.

Como protección a los peatones respecto al área verde adyacente, se proverá una nueva verja a lo largo del paseo, descartando la existente de madera. La verja se construirá en perfiles planos y tubulares en hierro, con pilares de hormigón como apoyo cada ventitrés pies (23'-0"). El diseño de la verja se inspirará en el de la verja de la Casa Blanca, en San Juan, como una referencia de atención a instancias históricas del pueblo. Los pilares de apoyo serán prefabricados en hormigón y agregado con tope triangular achaflanado sobre el que se instalarán tarjas de carácter interpretativo.

Los barandales incorporarán material luminico tipo LED. Ello permitirá acumular energía solar durante el día y, de noche, dotar de luz a los barandales, creando un efecto de luz a lo largo del paseo. Estos se instalarán alternadamente a lo largo del paseo, ajustando a establecer las dos escalas a atenderse: la humana (más baja) y la urbana (de área, más alta).

Por su ubicación y extensión, a lo largo de sus ochocientos metros, el paseo incluirá elementos puntuales (permanentes, con la posibilidad de temporeros) que han de enriquecer (y alentar) el recorrido de quienes lo visiten. Entre ellos se cuentan bancos escultóricos, elementos interpretativos y una escultura conmemorativa del mural que ahora allí estuvo instalado en la antigua fábrica de jugos Goya, en Canóvanas - obra de la artista puertorriqueña Luisa Geigel Brumat, primera mujer escultora de Puerto Rico.

En resumen, el proyecto propuesto ha de colaborar con el enriquecimiento de las oportunidades de ocio en Barceloneta (y Puerto Rico), a la vez que celebra la historia, el arte y el paisaje del país. "

CONDICION EXISTENTE: VISTA DEL PASEO HACIA EL ESTE CON EL DIQUE AL FONDO

ÍNDICE DE HOJAS

PAGINA	NUMERO	NOMBRE DE HOJA
1	G-00	HOJA TÍTULO
2	A-01	SITE PLAN
3	A-02	LEYENDA DE MÓDULOS SECCIÓN A
4	A-03	LEYENDA DE MÓDULOS SECCIÓN B
5	A-04	LEYENDA DE MÓDULOS SECCIÓN C
6	A-05	TIPOS DE MÓDULOS
7	A-06	PATRÓN TÍPICO DE ACERA
8	A-07	ENTRADA SUR AL PASEO
9	A-08	DISTRIBUCIÓN DE BANCOS
10	A-09	DETALLES DE ESCULTURA DE MURAL DE LA LOTUS
11	A-10	PATRON EN PLATAFORMAS DE OBSERVACIÓN
12	A-11	PLATAFORMAS DE OBSERVACIÓN SUR
13	A-12	PLATAFORMAS DE OBSERVACIÓN NORTE
14	S-01	STRUCTURAL FOUNDATION PLAN AND DETAILS
15	S-02	STRUCTURAL SLAB PLAN AND DETAILS
16	S-03	STRUCTURAL FOUNDATION PLAN AND DETAILS
17	S-04	STRUCTURAL SLAB PLAN AND DETAILS

PROFESSIONAL CERTIFICATION LAW

IMPORTANT INFORMATION FOR THE CONTRACTOR

MUNICIPIO DE BARCELONETA / PROGRAMA DE REVITALIZACIÓN DE LA CIUDAD

PR-CRP-000541 - PASEO JUAN DE LA TORRE

PASEO JUAN DE LA TORRE, BARCELONETA, PUERTO RICO, 00617

NOT FOR CONSTRUCTION

ISSUE CHART

NO.	DESCRIPTION	DATE	APPROVED

JORGE RIGAU ARQUITECTOS PSC

TITLE: HOJA DE TITULO

SCALE | PRINTED ON | SHEET NO.: G-00

DRAWN BY: PV

PHASE: PRELIMINARY PHASE

DATE

PARQUE LINEAL JUAN DE LA TORRE - BARCELONETA PR-CRP-000541

Prepared for:

Jorge Rigau, AIA, Arquitectos, PSC

Prepared by:

Diatom Environmental

DIATOM

ENVIRONMENTAL SERVICES, LLC

MARCH 2025

This page was left blank intentionally.

DIATOM
ENVIRONMENTAL SERVICES, LLC

Table of Contents

Executive Summary 4

Introduction 6

Study Site Description 8

Rainfall 9

Topography 9

Hydrology 9

Soils 9

National Wetland Inventory 9

Methodology 10

Results and Discussion 12

Wetland Vegetation 12

Wetland Soils 13

Wetland Hydrology 13

U.S. Waters 14

Uplands 14

Conclusions 16

References 18

Appendix A: Figures 20

Figure 1: General Site Over Aerial Photograph (1:20,000) 21

..... 21

Figure 2: General Site Over Aerial Photograph (1:10,000) 22

..... 22

Figure 3: Paseo Lineal Layout (1:3,000) 23

..... 23

Figure 4: Paseo Lineal Layout (1:6,000) 24

Figure 5: Hydrology Map 25

Figure 6: Soils along the proposed area for the Paseo Lineal Juan de la Torre 26

Figure 7: National Wetlands Inventory along the Barceloneta Paseo Lineal Juan de la Torre 27

Figure 8: Wetlands and Non-U.S. Waters Jurisdictional Determination Map 28

DIATOM ENVIRONMENTAL SERVICES, LLC

..... 28
Appendix B: Photographic Documentation *29*
Appendix C: Data Forms *33*

DIATOM
ENVIRONMENTAL SERVICES, LLC

Executive Summary

The Municipality of Barceloneta, with support from the Puerto Rico Department of Housing and CDBG-DR (Community Development Block Grant – Disaster Recovery) funding through the City Revitalization Program, aims to rehabilitate an existing linear park (the Paseo Lineal Juan de la Torre). This linear park extends about 800 meters (approximately 2,625 feet) from north to south, running parallel to existing roads (Juan de la Torre Street, which becomes Ave. Boca after a T-shaped intersection with Ave. Plazuela). The southernmost coordinates of the park are 18.453162, -66.537751, while the northernmost coordinates are 18.458961, -66.534844. A green area flanks the entire project on the eastern edge; this area will not be accessible to pedestrians due to an elevation change and because an existing railing limiting access will be replaced. The average width of the linear park is twelve feet (12'-0"), and the walkway covers an area of 2,432.20 m² (square meters), equivalent to 26,180 ft² (square feet). Over the years, several changes have been made within the original footprint of the promenade, which has accommodated (and removed) various types of paving and a wide variety of urban furniture.

The linear park features a sidewalk elevated above the adjacent roadways: Juan de la Torre Street and Ave. Boca (the roadway changes name approximately halfway through the project). A continuous curb separates the linear park from the road to the east. To the west, a railing defines the linear park and restricts pedestrian access to the green area. In the proposed rehabilitation, the railing will be replaced, and pedestrian access to the green area will remain restricted. The new railings are planned to be constructed with flat profiles and tubular iron, supported by concrete pillars every twenty-three feet (23'-0"). The support pillars are intended to be prefabricated with concrete and aggregate, featuring a chamfered triangular top where interpretive plaques will be installed.

The areas where the Project will be carried out constitute the study site or study area. The Project is located in the Pueblo Ward of the Municipality of Barceloneta, Puerto Rico (the Study, see **Appendix A, Figures 1 and 2**).

This document outlines the Jurisdictional Determination Study for Wetlands and U.S. Waters at the study site. The methodology employed consisted initially of a preliminary screening process and gathering background information to identify potential jurisdictional wetlands within the study area. Next, a detailed screening was conducted using a Geographic Information System (GIS) alongside data collected in the field to identify those wetlands and other areas potentially under the jurisdiction of the United States Army Corps of Engineers (USACE). The **Methodology** section of this report provides a more thorough description of the methods used.

Approximately 10,501 m² (2.6 acres) of non-jurisdictional wetlands (a developed pond) and an open channel of non-US Waters measuring 135 linear meters were found across the study site. The wetlands in the study area are illustrated in Figure **8** (**Appendix A**). The areas surrounding the existing channel and a pond created as part of the recreational facilities of the Barceloneta Flood Control Project are considered non-jurisdictional due to the absence of hydraulic connection between this area and the US Waters of the Río Grande de Manatí. Two surface freshwater discharges were observed entering the channel area, but no exits were identified within the study site. It is believed that percolation through the limestone and rock levee allows the water to exit the system. The USFWS Wetland Mapper has not classified the smaller unnamed creek.

DIATOM
ENVIRONMENTAL SERVICES, LLC

Several species of wetland plants were observed growing outside the action area where the USACE constructed a runoff retention pond more than 20 years ago. Among the species noted in this area are Malanguilla (Colocasia esculenta) and Desmanto Amarillo (Neptunia plena), which dominate the herbaceous wetlands in the channel's regions. Additionally, Malojillo (*Urochloa mutica*), Yerba venezolana (*Paspalum fasciculatum*), yerba horquetilla (*Paspalum cojugatum*), yerba de sapo (*Phyla nodiflora*), and Enea (*Typha domingensis*) were present.

The most common hydric soil indicators were inundation with 100% obligate wetland plants and Stratified Layers within the channel surface outside the action area.

Generally, the most common wetland hydrology indicators were Surface Water, Geophormic Position, and FAC-neutral test.

Introduction

The town of Barceloneta proposes a linear park with a sidewalk elevated above the adjacent roadways: Juan de la Torre Street and Ave. Boca (the roadway changes its name about halfway through the project). A continuous curb separates the linear park from the road to the west. To the east, a railing delineates the linear park and prevents pedestrian access to the green area. In the proposed rehabilitation, the railing will be replaced, and pedestrian access to the green area will continue to be restricted. The new railings are proposed to have flat profiles and tubular iron, with concrete pillars as support every twenty-three feet (23'-0"). The support pillars are proposed to be prefabricated in concrete and aggregate with a chamfered triangular top on which interpretive plaques will be installed. Due to the project's proximity to resources identified as wetlands in the National Wetland Inventory, a wetland delineation study has been proposed. The areas where the first task will be carried out constitute the study site or study area. The project is located in the Pueblo Ward of the Municipality of Barceloneta, Puerto Rico (see Study, **Appendix A, Figures 1** and **2**).

This document presents the Wetlands and U.S. Waters Jurisdictional Determination Study for the study site. The methodology used in this study adhered to the 1987 Corps of Engineers Wetland Delineation Manual and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Caribbean Islands Region (version 2.0) (the Caribbean supplement). It initially involved a preliminary screening and the gathering of background information to identify the potential jurisdictional wetlands within the study site. Subsequently, a detailed screening using a Geographic Information System (GIS) and field-collected data pinpointed the wetland areas under the jurisdiction of the USACE. The

Methodology section of this report elaborates on the methodology employed in greater detail.

This report comprises four sections: a site description, methodology, results and discussion, and conclusions. **Appendix A** contains topographic, aerial imagery, hydrographic, National Wetlands Inventory, and soil survey maps. The Jurisdictional Wetlands and U.S Waters delineation figure was overlaid on an aerial image of the area. Photographic documentation of sampling points is included in **Appendix B**. **Appendix C** consists of the Data Forms from the Caribbean supplement.

Fieldwork for this JD was performed in November 2024.

DIATOM
ENVIRONMENTAL SERVICES, LLC

Study Site Description

The study site is located in the Pueblo Ward, Municipality of Barceloneta (**Appendix A, Figures 1** and **2**). The linear park has an average width of twelve feet (12'-0") and encompasses an area of 2,432.20 m² (square meters), which is equivalent to 26,180 ft² (square feet). Over the years, various changes have been made to the promenade within the original footprint, which has hosted and discarded multiple types of paving and a wide range of urban furniture. The linear park features a sidewalk that is higher than the adjacent roadways: Juan de la Torre Street and Ave. Boca (the roadway changes name about halfway through the project). A continuous curb separates the linear park from the roadway to the east. To the west, a railing delineates the linear park and prevents pedestrian access to the green area. In the proposed rehabilitation, the railing will be replaced, and pedestrian access to the green area will continue to be restricted. The new railings are proposed to be constructed with flat profiles and tubular iron, supported by concrete pillars every twenty-three feet (23'-0").

The support pillars are proposed to be prefabricated using concrete and aggregate, featuring a chamfered triangular top for the installation of interpretive plaques. Several lighting poles currently line the promenade. In the proposed project, these lighting fixtures will be replaced while adhering to dark skies regulations and guidelines. To execute the new design, three inches of the existing paving on the promenade will be removed and replaced with new dyed cement strips. Additionally, several prefabricated elements of exposed concrete will be arranged along the promenade.

Due to its location and length—800 meters (approximately 2,625 feet)—the rehabilitated promenade will feature several key elements along the span of the linear park. Two surface freshwater discharges were identified during the fieldwork, flowing into the existing channel. These small surface water bodies travel east of Plazuela Avenue (see **Figure 5**, **Appendix A**).

Rainfall

According to the National Climatic Data Center (NCDC), Barceloneta has significant seasonal variations in monthly rainfall. Rain falls throughout the year in Barceloneta, with September being the wettest month, averaging 4.4 inches of rain. January experiences the least rainfall, averaging 1.2 inches. The climate in Barceloneta is hot, oppressive, windy, and partly cloudy. Throughout the year, temperatures typically range from 70°F to 89°F, rarely dipping below 67°F or exceeding 91°F.

Topography

According to the USGS topographic quadrangles of Barceloneta, the entire study site is at an elevation of 0.0 to 4.0 meters above mean sea level. **Figure 1** (**Appendix A**) displays the study site over the topographic quadrangles of Barceloneta and San Juan.

Hydrology

A system of earthen and stone levees encircles the study site. These canals are components of the Barceloneta Flood Control Project's stormwater drainage system and drain into the Río Grande de Manatí beyond the project area. The hydrographic map for the region is presented in **Figure 5** (**Appendix A**).

DIATOM
ENVIRONMENTAL SERVICES, LLC

Soils

According to the U.S. Department of Agriculture's Soil Conservation Service, the study site primarily consists of urban land and Cn or Coloso silty clay, with slopes of 0 to 2 percent, and is occasionally flooded, covering approximately 55.7 acres or 19.2% of the entire urban area. **Figures 6** (**Appendix A**) illustrate the soils found within the study site.

National Wetland Inventory

The National Wetland Inventory (NWI), prepared by the U.S. Fish and Wildlife Service (USFWS), identifies this surface water channel as Riverine, Surface Flooding Permanent

(R2UBH), while the land east of the existing pond is classified as Fresh Water Emergent Wetland Surface Flooding Temporary (PEM1A). The area where the project will take place is classified as upland (UPL). **Figure 7** (**Appendix A**) shows the National Wetlands Inventory for the study site.

It is important to note that the NWI was conducted in the 1970s. Currently, some wetlands are excluded from the NWI, and certain areas designated as wetlands under the NWI require updates. The NWI study was revised on May 1, 2023.

Methodology

The methodology utilized in this study adhered to the Routine Determination with an onsite inspection method, as outlined in the *1987 Corps of Engineers Wetland Delineation Manual* (the Manual) for areas totaling 5 acres or less and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Caribbean Islands Region (version 2.0) (the Caribbean Supplement).

The Caribbean supplement took precedence in situations where discrepancies arose between the manual and the Caribbean supplement. In certain areas, making a determination was challenging due to previous or ongoing land use or other factors. In these instances, the determination relied on the best available information, interpreted in light of professional experience and an understanding of the ecology of wetlands in the region, as noted in the Caribbean supplement.

This JD was carried out in three phases. Phase 1 of the study involved a screening-level analysis to identify areas within the site that exhibit wetland characteristics. The screening analysis utilized a Geographic Information System (GIS). This analysis incorporated aerial imagery from various years, a soil map, a National Wetlands Inventory map, a hydrographic map, and a topographic map. The data collected from this phase provided specific and essential information regarding the location of potential wetland areas. This

phase also included a preliminary site visit to assess the environmental conditions of the study site. It further helped the team gain a better understanding of the wetland condition and location to develop a fieldwork plan.

Phase II of the study involved field visits to map the jurisdictional wetlands on the site. Each visit included sampling, collecting, and describing the site's hydrology, soils, and dominant vegetation around representative sampling locations.

The following tasks were carried out during Phase II:

- Visual inspection of the site and identification of landscape features;
- Identification of plant communities;
- Selection of a representative area within each plant community to dig a soil pit;
- Identification of dominant plant species from the various strata;
- Characterization of soil properties and colors in the soil pit.
- Measure of depth where hydric soil indicators (if any) appear;
- Description of the hydrology around and within the soil pit;
- Photographic documentation of the site, soil pits, or vegetation;
- Geographic Positioning System (GPS) documentation of sampling points; and
- Wetland delineation and documentation of wetland limits.

DIATOM

All sections of the interconnection line that runs along the roadside or across dirt roads were thoroughly evaluated.

Position coordinates on the physical boundary were collected to define the wetland/upland boundary within the channel and the proposed sidewalk project. Those points were then superimposed on a recent topographic study of the site. This method proved beneficial and accurately delineated the wetland.

The 2020 Wetland Plant List served as a reference for determining the wetland indicator status of various plant species. Plants not listed in the 2020 Wetland Plant List (NI or Not Indicated) were classified as UPL (Upland Species).

The Munsell Soil Color Charts (2009) served as a reference for determining soil colors (hue, value, and chroma) and estimating the proportions of redoximorphic features.

Phase III of the study involved the final analysis of the data collected during Phases I and II, as well as the creation of this report.

Results and Discussion

Approximately 10,501 m² (2.6 acres) of non-jurisdictional wetlands (developed pond) were identified across the study site, along with 135 linear meters (135 m²) of non-U.S. waters found within the same area. **Figure 8** (**Appendix A**) presents this project's Wetlands and Non-U.S. Waters Jurisdictional Determination Map. According to the municipal managers, the local government is considering restoration activities for the constructed pond. Depending on the alternative action, the proposed measures could affect the non-jurisdictional wetlands. The area transitions into upland on both sides of the channel, which is covered with deep deposits of aggregates and topsoil. A restrictive layer of aggregates spans the entire study area.

DIATOM
ENVIRONMENTAL SERVICES, LLC

Wetland Vegetation

Several species of wetland plants were observed growing outside the action area where the USACE constructed a runoff retention pond more than 20 years ago. Among the species noted in this area are Malanguilla (Colocasia esculenta) and Desmanto Amarillo (*Neptunia plena*), which dominate the herbaceous wetlands in the channel's regions. Additionally, Malojillo (*Urochloa mutica*), Yerba venezolana (*Paspalum fasciculatum*), yerba horquetilla (Paspalum cojugatum), yerba de sapo (Phyla nodiflora), and Enea (Typha domingensis) were present.

Table 1 includes the dominant plant species within channels, with their respective indicator.

Table 1. Dominant plant species within the border of the channel and the wetlands in the Pond

Scientific Name	Common Name	Stratum	Indicator*
Colocasia esculenta	Malanga	Herbaceous	FACW+, OBL
Neptunia plena	Desmanto amarillo	Herbaceous	FACW
Paspalum fasciculatum	Yerba venezolana	Herbaceous	FACW
Paspalum conjugatum	Yerba horquetilla	Herbaceous	FAWC
Urochloa mutica	Malojillo	Herbaceous	FACW
Typha domingensis	Enea	Herbaceous	OBL
Phyla nodiflora	Hierba de sapo	Herbaceous	FACW
Panicum aquaticum	Yerba acuática	Herbaceous	FACW

*OBL: Obligate wetland plants (almost always occur in wetlands; FACW: Facultative wetland plants (usually occurs in wetlands but may occur in non-wetlands).

All plant species that dominate wetlands or US waters are categorized as FACW or OBL.

Wetland Soils

Regarding hydric soil indicators, 10YR was the most abundant soil hue, as expected.

Channel areas were found to be inundated with 100% OBL species. In herbaceous wetlands, hydric soil indicators included the hydric soil indicator and stratified layers, which indicate problematic hydric soils. Stratified layers were observed at sampling point 19. Both hydrophytic vegetation and wetland hydrology indicators were present at this sampling point.

Wetland Hydrology

Surface Water (Primary Wetland Hydrology Indicator A1) was observed in the channel. Geomorphic Position (Secondary Wetland Hydrology Indicator D2) and FAC-neutral test (Secondary Wetland Hydrology Indicator D5) were identified in herbaceous wetlands.

U.S. Waters

No U.S. waters were identified in the proposed project area. The existing channel has no direct hydraulic connection to the Manatí River. As noted in the **Study Site Description** section, this canal channel is part of the Barceloneta Flood Control Project stormwater drainage system. Vegetation, primarily herbaceous, exists along its borders. Therefore, it is considered non-U.S. waters.

Uplands

Uplands are primarily located within the proposed project area along much of the avenue and in the PRDTOP right of way.

Most common upland species are Hierba de guinea (*Megathyrsus maximus*), Moca (*Indira inermis*), Coconut Palm (*Cocos nucifera*), Almendro (*Terminalia catappa*), Pata de gallina (*Eleusine indica*) and hierba de elefante.

DIATOM
ENVIRONMENTAL SERVICES, LLC

Table 2 includes the dominant plant species within uplands, with their respective indicator.

Table 2. Dominant Plant Species within Uplands

Scientific Name	Common Name	Stratum	Indicator*
Megathyrsus maximus	Hierba de Guinea	Herbaceous	FACU
Leucaena leucocephala	Zarcilla	Tree	FACU
Indira inermis	Moca	Tree	FACU
Cocos nucifera	Coconut	Palm	FACU
Terminalia catappa	Almendro	Tree	FACU
Cenchrus purpureus	Hierba de elefante	Herbaceous	FAC

*FACU: Facultative Upland plants (usually occur in non-wetlands but may occur in wetlands); FAC: Facultative plants (occur in wetlands and in non-wetlands).

Upland areas displayed no indicators of hydric soil. Soils, particularly near the channel where a wall is located, were highly compacted and contained fill material along with small to medium subangular blocky structures. Indicators of wetland hydrology were not present within non-wetlands.

DIATOM
ENVIRONMENTAL SERVICES, LLC

Conclusions

This Wetlands and U.S. Waters Jurisdictional Determination Study concludes that the approximately 10501 m² (2.6 acres) of non-jurisdictional wetlands and 135 linear meters (135 m²) of non-U.S. Waters found within the study site should not fall under the jurisdiction of the U.S. Army Corps of Engineers, in accordance with Section 404 and Section 10 of the Clean Water Act of 1972, as amended. However, all submerged lands are classified as wetlands. According to E.O. 11990, the term "wetlands" refers to areas that are inundated by surface or ground water with a frequency sufficient to support, and under normal circumstances do or would support, a prevalence of vegetative or aquatic life that requires saturated or seasonally saturated soil conditions for growth and reproduction. Wetlands generally include swamps, marshes, bogs, and similar areas such as sloughs, potholes, wet meadows, river overflows, mud flats, and natural ponds.

Wetlands under E.O. 11990 encompass both isolated and non-jurisdictional wetlands. Additionally, per Title 24, Subtitle A, Part 55, § 55.2 Terminology: “Wetlands are areas inundated or saturated by surface or groundwater with a frequency sufficient to support, and under normal circumstances do or would support, a prevalence of vegetative or aquatic life that requires saturated or seasonally saturated soil conditions for growth and reproduction. Wetlands generally include swamps, marshes, bogs, and similar areas such as sloughs, prairie potholes, wet meadows, river overflows, mud flats, and natural ponds. This definition encompasses wetland areas that are separated from their natural water supply due to the construction of structural flood protection methods, solid-fill roadbeds, and activities such as mineral extraction and navigation improvements. It also comprises wetlands that are subject to and those that are not subject to Section 404 of the Clean Water Act and constructed wetlands.

This conclusion is supported by:

1. Hydrophytic vegetation, hydric soils, and wetland hydrology exist in delineated wetlands.

2. The existing wetlands lack a continuous surface connection to Traditional Navigable Waters (TNW), represented by the riverine area east of the property, which directly connects to the Atlantic Ocean.
3. The delineated channel is part of the Barceloneta Flood Control Project stormwater control system.

It is crucial to consider the possible requirements of the Puerto Rico Department of Natural and Environmental Resources if the wetland areas identified in this study are impacted. State Law 41 (Wildlife Protection Law) may apply to the proposed action due to a potential modification of the existing water body.

Signed by:

Javier Vélez Arocho, Senior Biologist
Diatom Environmental Services, LLC

DIATOM
ENVIRONMENTAL SERVICES, LLC

References

Acevedo-Rodríguez, P. and Woodbury, R. O. **1985**. *Los bejucos de Puerto Rico.* Volumen 1. General Technical Report S0-85. New Orleans, LA: U.S. Department of Agriculture, Forest Service, Southern Forest Experiment Station. 331 pp.

Boccheciamp, R.A. **1982**. *Soil Survey of Humacao Area of Puerto Rico*. U.S.D.A. Soil Conservation Service. 180 pp. plus appendices.

Department of Natural and Environmental Resources, et al. **2001**. *Guide to Identify Common Wetland Plants in the Caribbean Area: Puerto Rico and the U.S. Virgin Islands*. Editorial de la Universidad de Puerto Rico. 268 pp.

Environmental Laboratory. **1987**. *Corps of Engineers Wetlands Delineation Manual*. U.S. Army Engineer Waterways Experimental Station, Vicksburg, M.S. Tech. Rpt. Y-87-1. 100 pp. plus appendices.

Environmental Laboratory. **2011**. *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Caribbean Islands Region (version 2.0).*. U.S. Army Engineer Research and Development Center, Vicksburg, M.S. ERDC/EL TR-09-8. 119 pp. plus appendices.

GretagMacbeth. **2000**. *Munsell Soil Color Charts*. Munsell Color, New Windsor, NY.

Hutchinson, Ian. 1988. *Salinity Tolerance of Plants of Estuarine Wetlands and Associated Uplands*. Washington State Shorelands and Coastal Zone Management Program: Wetlands Section. Report in fulfillment of contract No. C0088137.

Liogier, H. A. **1985**. *Descriptive Flora of Puerto Rico and adjacent islands*. Volumes I-V. Editorial de la Universidad de Puerto Rico, Río Piedras, PR.

Little, E. L. and Wadsworth, F. H. **1964**. *Common Trees of Puerto Rico and the Virgin Islands*. Agricultural Handbook No. 249. U.S. Department of Agriculture, Forest Service. Washington, D.C. 556 pp.

Más, E.G. and García Molinari, O. **1990**. *Guía Ilustrada de Yerbas Comunes en Puerto Rico*. Servicio de Extensión Agrícola, Universidad de Puerto Rico, Recinto Universitario de Mayagüez, Colegio de Ciencias Agrícolas. 103 pp.

Ramey, Víctor. **2001**. *Grasses, Sedges and Rushes of Wetlands*. Identification Deck. With notes about wildlife use. University of Florida. Institute of Food and Agricultural Sciences. 85 pp.

Tiner, Ralph W. **1999**. *Wetland Indicators: a guide to wetland identification, delineation, classification, and mapping*. CRC Press LLC. 363 pp.

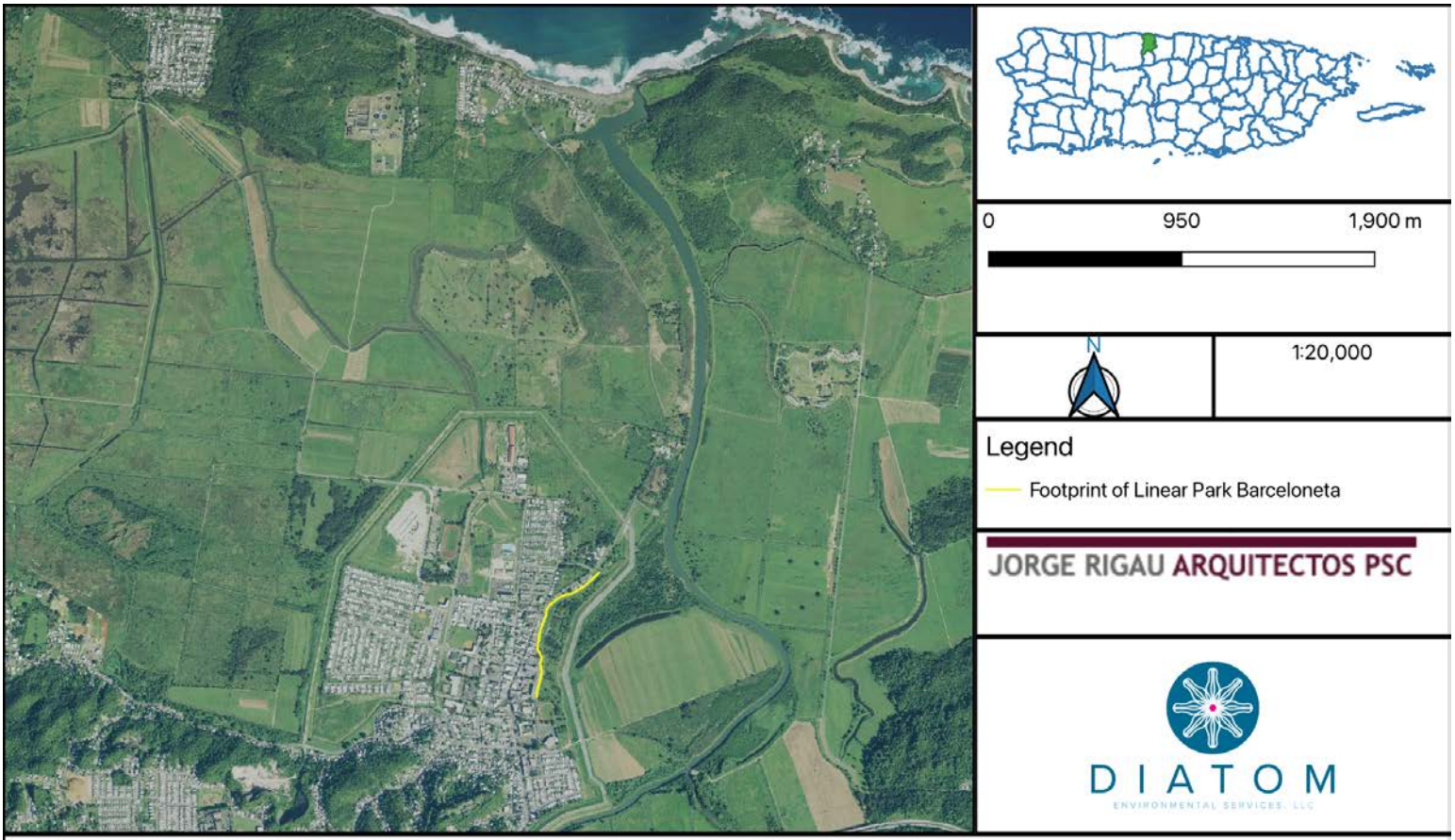
United States Department of Agriculture. Soil Conservation Service. Caribbean Area. San Juan Puerto Rico. **1993**. *Hydric Soils of the Caribbean*. In Cooperation with the National Technical Committee for Hydric Soils.

DIATOM
ENVIRONMENTAL SERVICES, LLC

Appendix A: Figures

DIATOM
ENVIRONMENTAL SERVICES, LLC

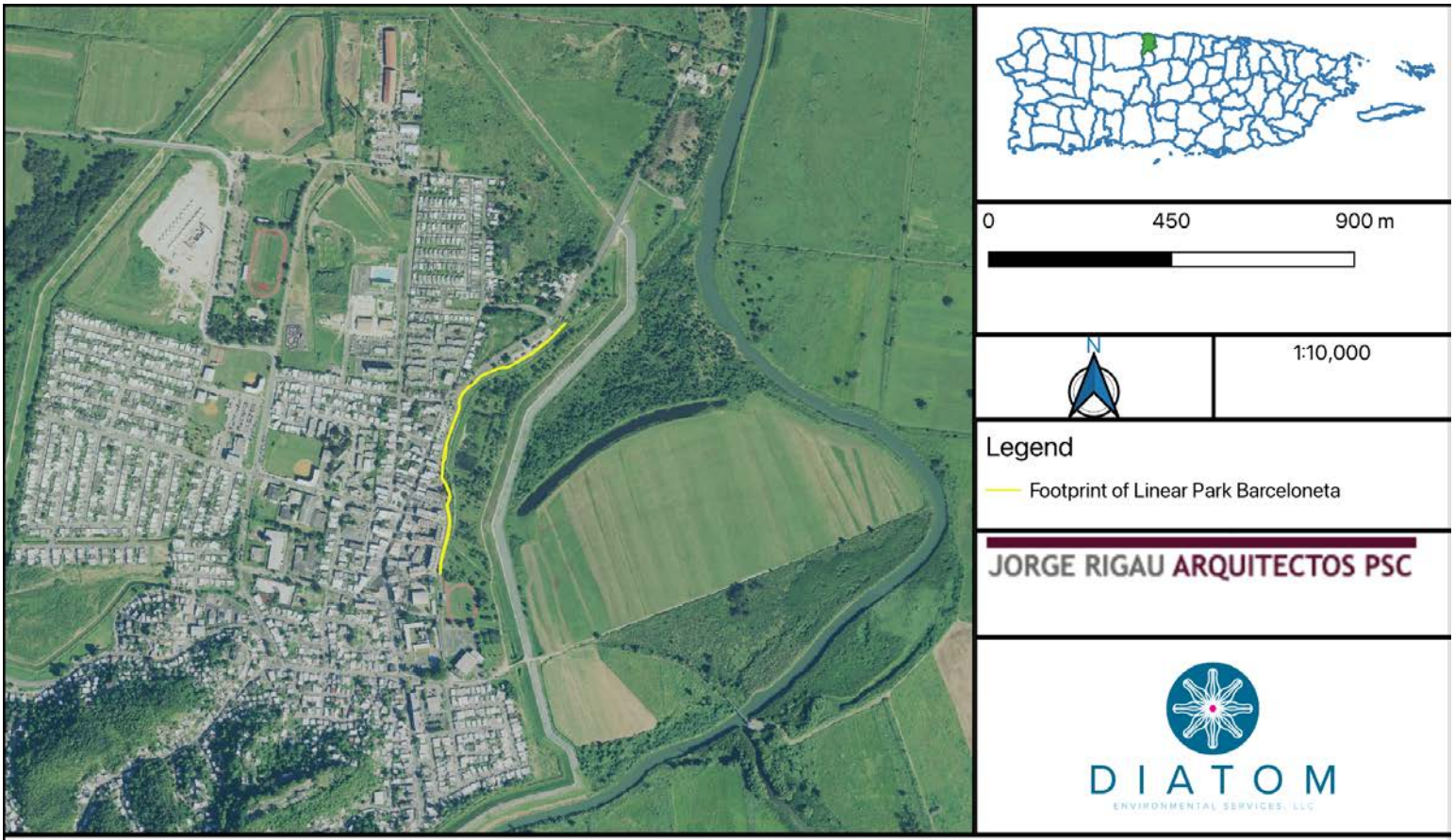
Figure 1: General Site Over Aerial Photograph (1:20,000)



GENERAL SITE MAP
PARQUE LINEAL JUAN DE LA TORRE - BARCELONETA PR-CRP-000541

SCALE 1:20,000
IMAGERY SOURCE: NOAA

Figure 2: General Site Over Aerial Photograph (1:10,000)



GENERAL SITE MAP
PARQUE LINEAL JUAN DE LA TORRE - BARCELONETA PR-CRP-000541

SCALE 1:10,000
IMAGERY SOURCE: NOAA

Figure 3: Paseo Lineal Layout (1:3,000)

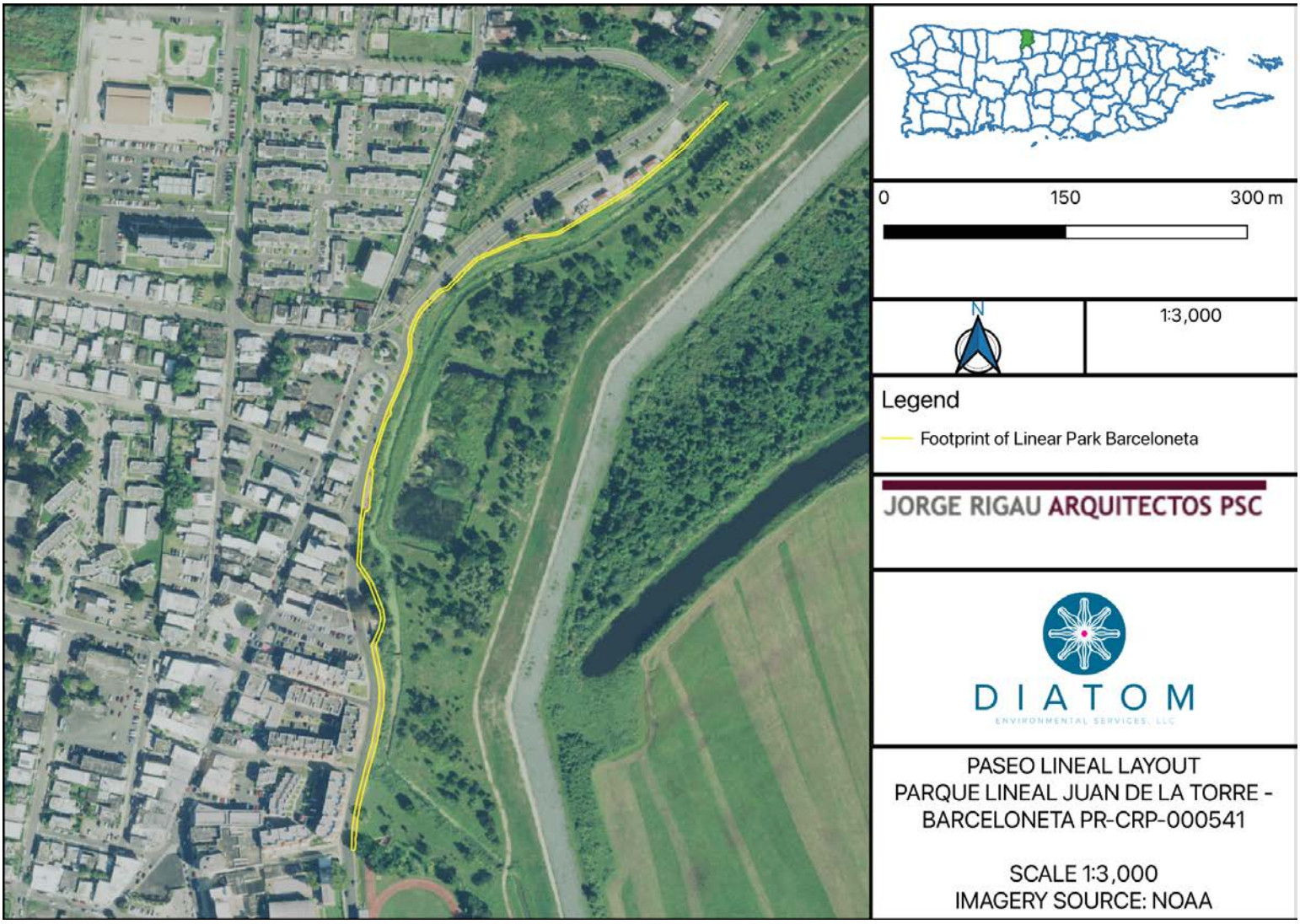


Figure 4: Paseo Lineal Layout (1:6,000)

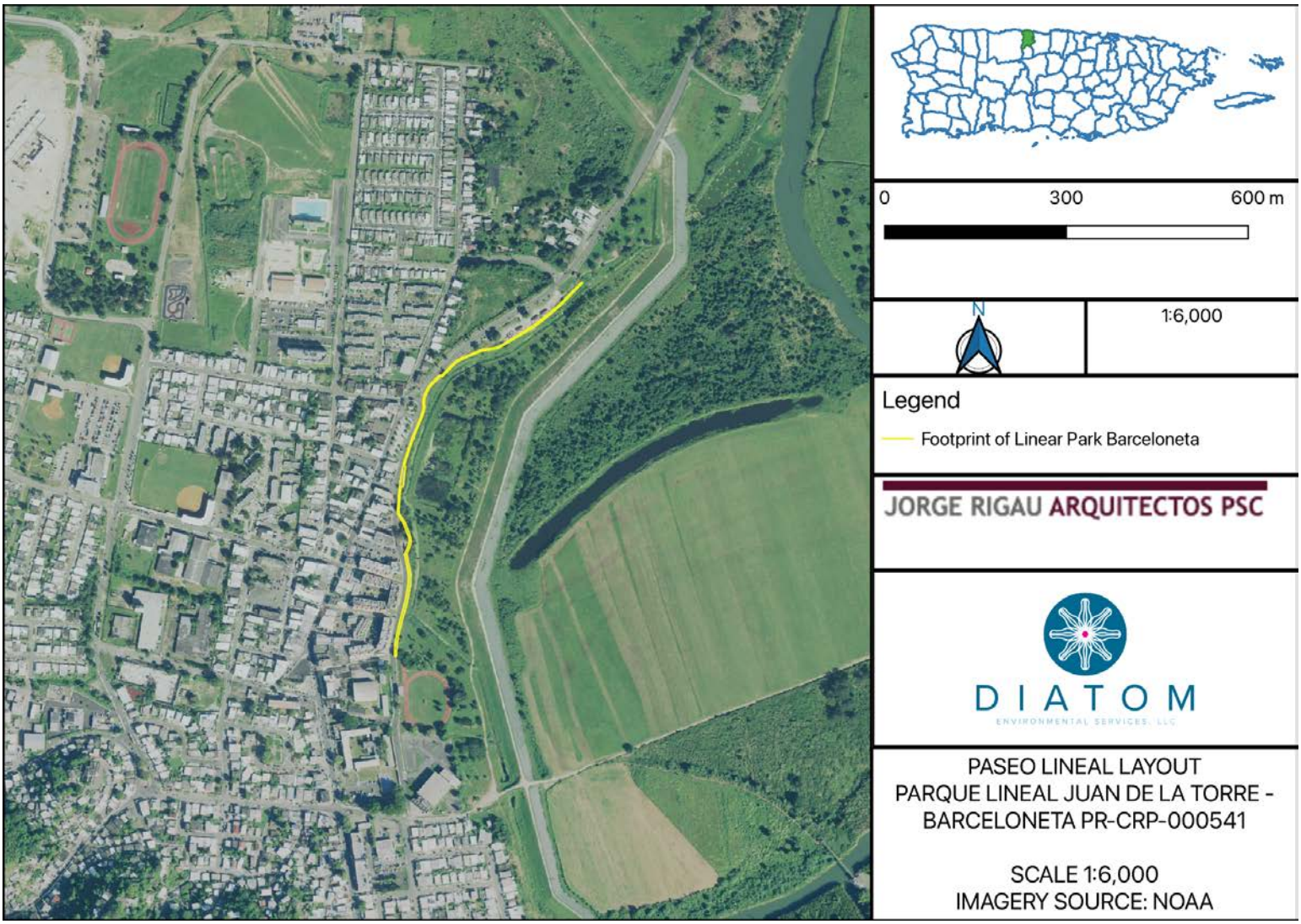


Figure 5: Hydro*logy* Map

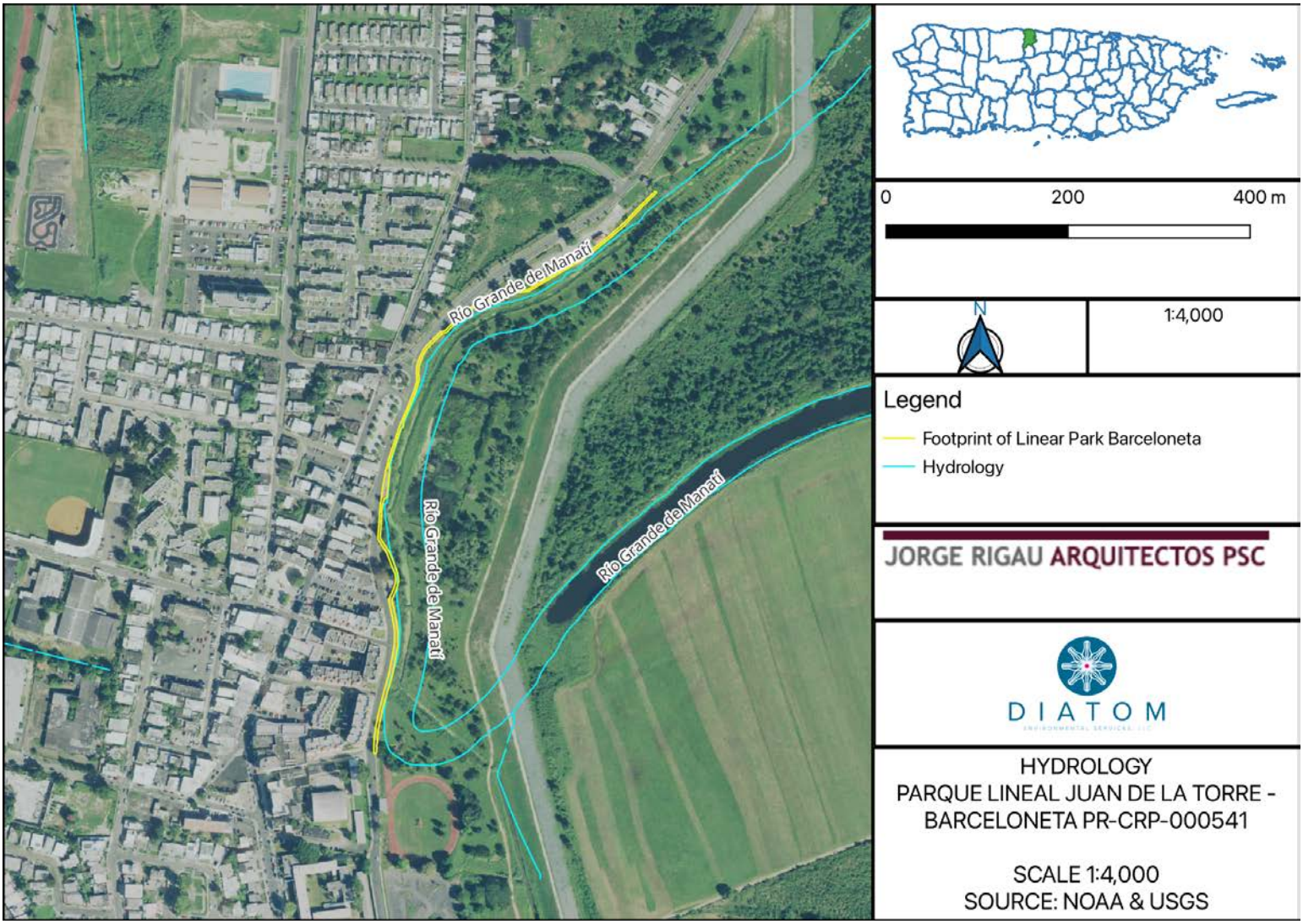


Figure 6: Soils along the proposed area for the Paseo Lineal Juan de la Torre

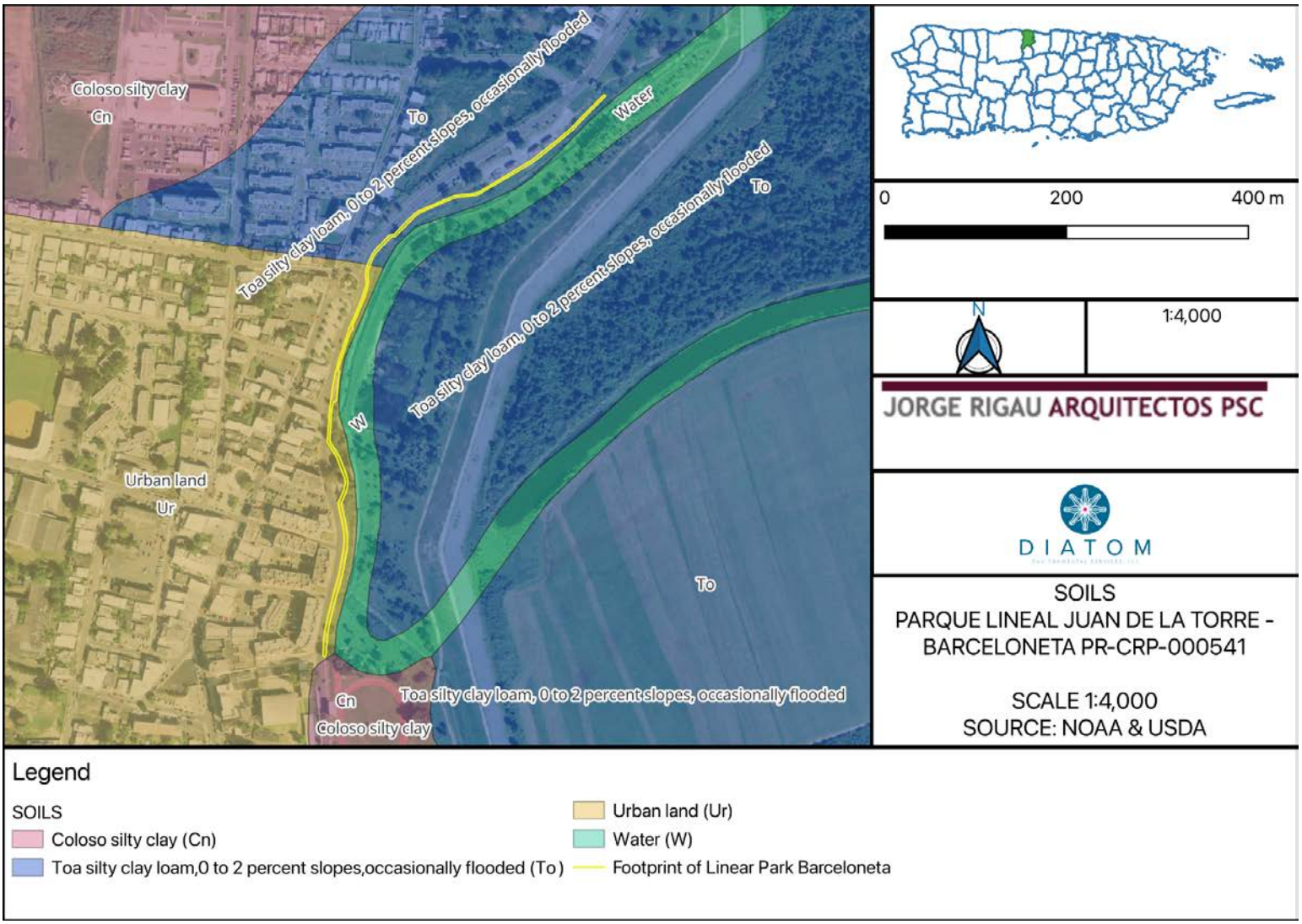


Figure 7: National Wetlands Inventory along the Barceloneta Paseo Lineal Juan de la Torre

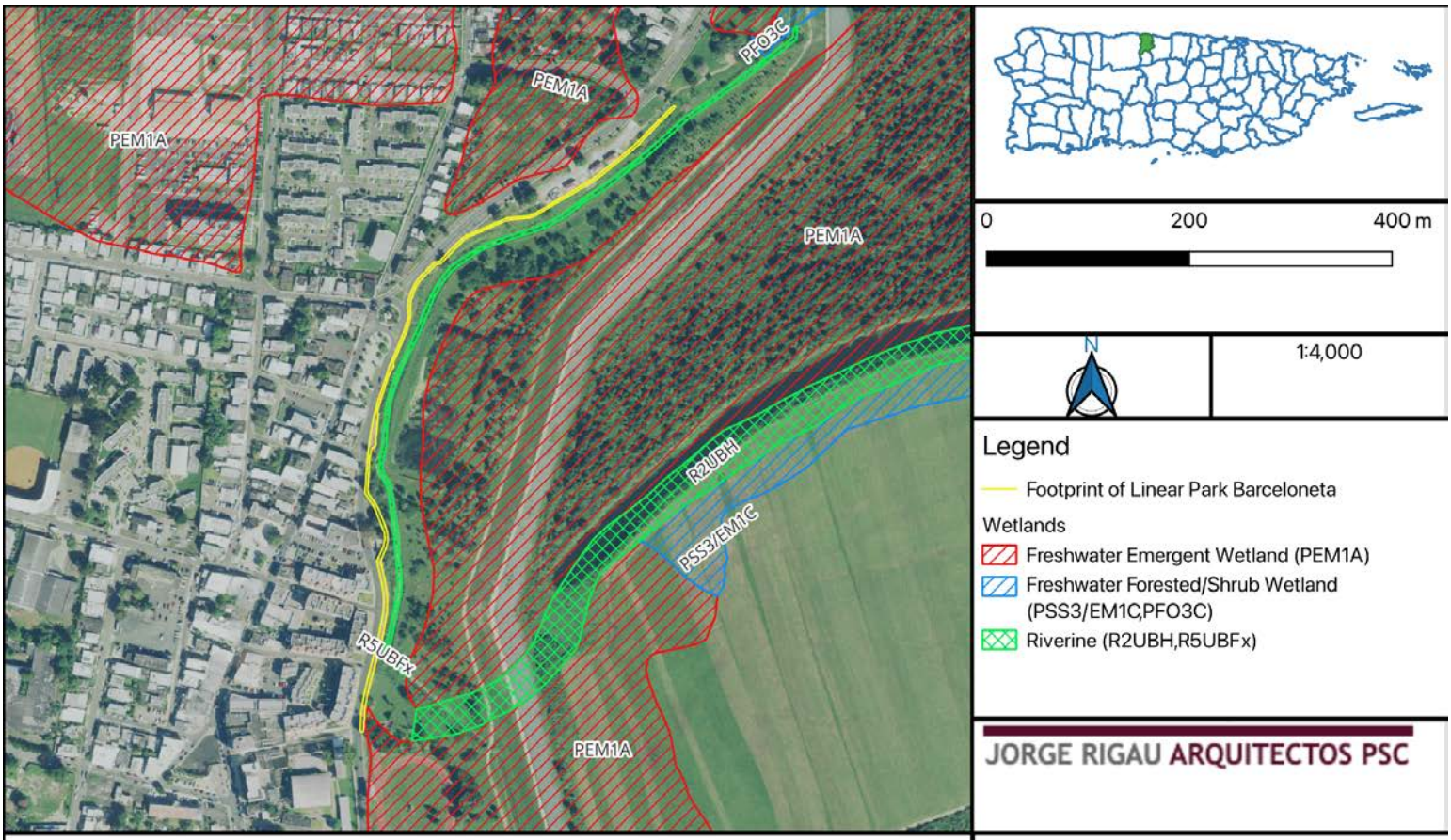
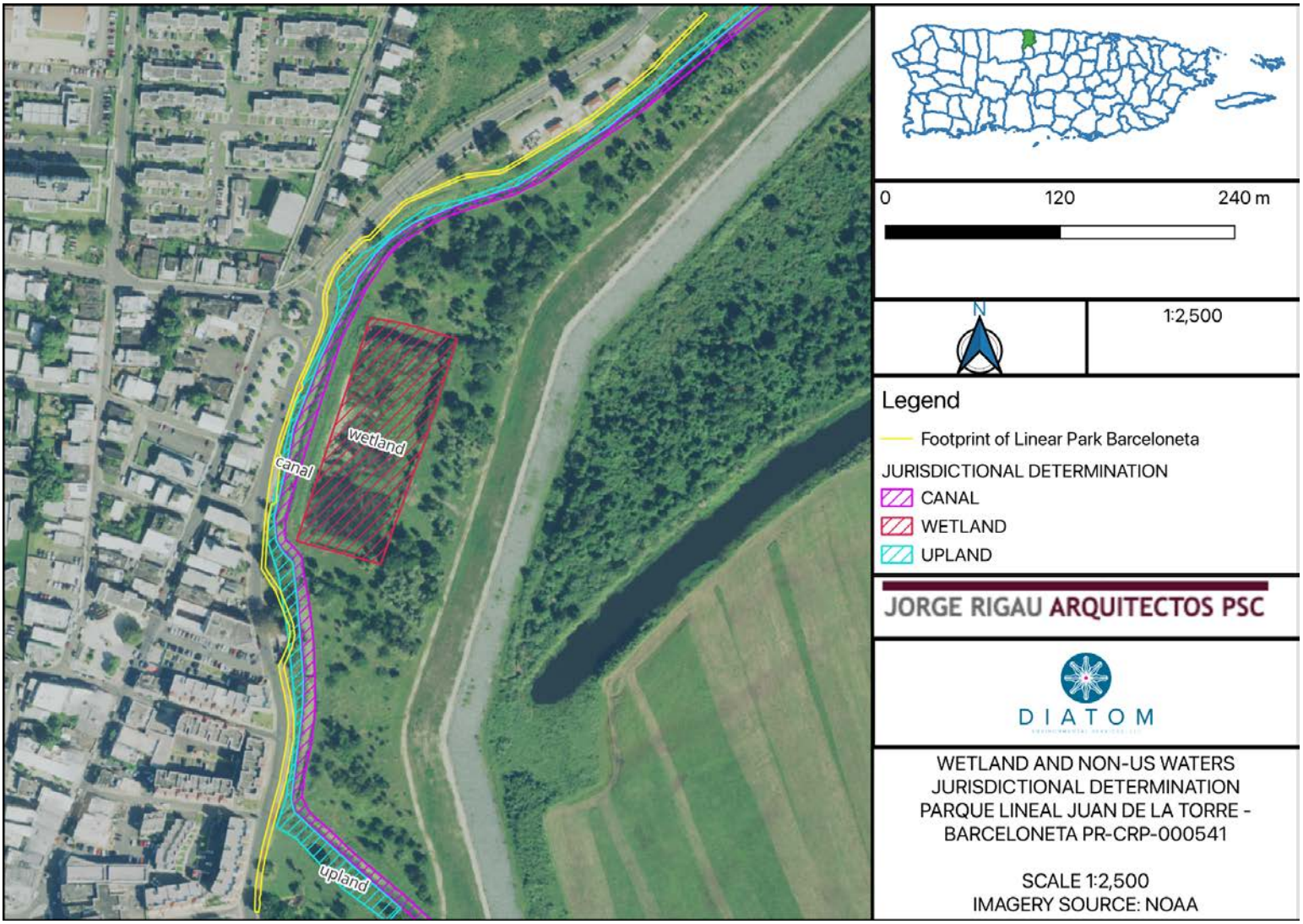


Figure 8: Wetlands and Non-U.S. Waters Jurisdictional Determination Map



Appendix B: Photographic Documentation

Photo 1 Sampling Point 01 general area

Photo 2 Sampling Point 01 soil pit – restrictive layer

Photo 3 Sampling Point 02 Soil pit

Photo 4 Sampling Point 02 general area

Photo 5 Sampling Point 03 Soil Pit

Photo 6 Sampling Point 03 general area

Photo 7 Sampling Point 04 No Sampling Pit – View of the existing pond

Photo 8 Sampling Point 04 General Area

Appendix C: Data Forms

WETLAND DETERMINATION DATA FORM – Caribbean Islands Region

Project/Site: Paseo Lineal Juan de la Torre Municipality/Town: Barceloneta Sampling Date: 11/2/2024
Applicant/Owner: Municipality of Barceloneta PR or USVI: PR Sampling Point: SP02
Investigator(s): Javier Vélez Arocho-Diatom Environmental Services, LLC Ward/Estate: Pueblo
Landform (hillslope, terrace, etc.): Terrace / footslope Local relief (concave, convex, none): none Slope (%): 0-2%
Lat: 18.455951 Long: -66.537528 Datum: State Plane, NAD 83
Soil Map Unit Name: UL/Cn NWI classification: R2HUB/PEM1A
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
Are Vegetation Yes, Soil Yes, or Hydrology Yes significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐
Are Vegetation No, Soil No, or Hydrology No naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☐	No ☑	**Is the Sampled Area within a Wetland?** Yes ☐ No ☑
Hydric Soil Present?	Yes ☐	No ☑	
Wetland Hydrology Present?	Yes ☐	No ☑	

Remarks:
Sampling point is located within a herbaceous area east of the existing channel.

VEGETATION – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status
Tree Stratum (Plot size: 30 feet radius)			
1. No trees present	10%		FACU
2.			FACU
3.			
4.			
5.			
	0%	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 feet radius)			
1. No shrubs present			
2.			
3.			
4.			
5.			
	0%	= Total Cover	
Herb Stratum (Plot size: 5 feet radius)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	4%	= Total Cover	
Woody Vine Stratum (Plot size: 30 feet radius)			
1.			
2.			
3.			
4.			
		= Total Cover	

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
Total Number of Dominant Species Across All Strata: 0 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A = N/A

Hydrophytic Vegetation Indicators:
☐ Rapid Test for Hydrophytic Vegetation
☐ Dominance Test is >50%
☐ Prevalence Index is ≤3.0[1]
☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ☐ No ☑

Remarks:
The 2016 Wetland Plant List was used to determine indicator status.

US Army Corps of Engineers — Caribbean Islands Region – Interim Version

SOIL Sampling Point: PNE-EC 001

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-12	10YR 3/3	100%						

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Organic Bodies (A6)
- ☐ 5 cm Mucky Mineral (A7)
- ☐ Muck Presence (A8)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ Stratified Layers (A5)
- ☑ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: N/A

Depth (inches): N/A

Hydric Soil Present? Yes ☐ No ☑

Remarks:

No hydric soil indicators were found at this sampling point.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Fiddler Crab Burrows (C10)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Dry-Season Water Table (C2)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☑ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ☐ No ☑ Depth (inches):

Water Table Present? Yes ☐ No ☑ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☑ Depth (inches):

Wetland Hydrology Present? Yes ☐ No ☑

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

No wetland hydrology indicators were found at this sampling point.

US Army Corps of Engineers Caribbean Islands Region – Interim Version

WETLAND DETERMINATION DATA FORM – Caribbean Islands Region

Project/Site: Paseo Lineal Juan de la Torre Municipality/Town: Barceloneta Sampling Date: 11/2/2024
Applicant/Owner: Municipality of Barceloneta PR or USVI: PR Sampling Point: SP03
Investigator(s): Javier Vélez Arocho-Diatom Environmental Services, LLC Ward/Estate: Pueblo
Landform (hillslope, terrace, etc.): Terrace / footslope Local relief (concave, convex, none): none Slope (%): 0-2%
Lat: 18.455891 Long: -66.537521 Datum: State Plane, NAD 83
Soil Map Unit Name: UL/Cn NWI classification: R2HUB/PEM1A
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
Are Vegetation Yes, Soil Yes, or Hydrology Yes significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐
Are Vegetation No, Soil No, or Hydrology No naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☐	No ☑	**Is the Sampled Area within a Wetland?** Yes ☐ No ☑
Hydric Soil Present?	Yes ☐	No ☑	
Wetland Hydrology Present?	Yes ☐	No ☑	

Remarks:
Sampling point is located within a herbaceous area east of the existing channel.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30 feet radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. No trees present	10%		FACU
2.			FACU
3.			
4.			
5.			
	0%	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 feet radius)			
1. No shrubs present			
2.			
3.			
4.			
5.			
	0%	= Total Cover	
Herb Stratum (Plot size: 5 feet radius)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	4%	= Total Cover	
Woody Vine Stratum (Plot size: 30 feet radius)			
1.			
2.			
3.			
4.			
		= Total Cover	

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
Total Number of Dominant Species Across All Strata: 0 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A = N/A

Hydrophytic Vegetation Indicators:
☐ Rapid Test for Hydrophytic Vegetation
☐ Dominance Test is >50%
☐ Prevalence Index is ≤3.0[1]
☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ☐ No ☑

Remarks:
The 2016 Wetland Plant List was used to determine indicator status.

US Army Corps of Engineers Caribbean Islands Region – Interim Version

SOIL Sampling Point: PNE-EC 001

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-1"	10YR 3/2	100%					Agregga	Restrictive Layer at 1" deep

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Organic Bodies (A6)
- ☐ 5 cm Mucky Mineral (A7)
- ☐ Muck Presence (A8)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ Stratified Layers (A5)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Aggregate Consolidated

Depth (inches): 1

Hydric Soil Present? Yes ☐ No ☑

Remarks:

No hydric soil indicators were found at this sampling point.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Fiddler Crab Burrows (C10)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Dry-Season Water Table (C2)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☑ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ☐ No ☑ Depth (inches): _____

Water Table Present? Yes ☐ No ☑ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ☐ No ☑ Depth (inches): _____

Wetland Hydrology Present? Yes ☐ No ☑

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

No wetland hydrology indicators were found at this sampling point.

US Army Corps of Engineers — Caribbean Islands Region – Interim Version

WETLAND DETERMINATION DATA FORM – Caribbean Islands Region

Project/Site: Paseo Lineal Juan de la Torre | Municipality/Town: Barceloneta | Sampling Date: 11/2/2024
Applicant/Owner: Municipality of Barceloneta | PR or USVI: PR | Sampling Point: SP04
Investigator(s): Javier Vélez Arocho-Diatom Environmental Services, LLC | Ward/Estate: Pueblo
Landform (hillslope, terrace, etc.): Terrace / footslope | Local relief (concave, convex, none): none | Slope (%): 0-2%
Lat: 18.455891 | Long: -66.537521 | Datum: State Plane, NAD 83
Soil Map Unit Name: UL/Cn | NWI classification: R2HUB/PEM1A
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
Are Vegetation Yes, Soil Yes, or Hydrology Yes significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐
Are Vegetation No, Soil No, or Hydrology No naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☑ No ☐	**Is the Sampled Area within a Wetland?** Yes ☑ No ☐
Hydric Soil Present?	Yes ☑ No ☐	
Wetland Hydrology Present?	Yes ☑ No ☐	

Remarks:
Sampling point is located within a Transition Area right before the man-made pond.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30 feet radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. No trees present	10%		FACU
2.			FACU
3.			
4.			
5.			
	0% = Total Cover		
Sapling/Shrub Stratum (Plot size: 15 feet radius)			
1. No shrubs present			
2.			
3.			
4.			
5.			
	0% = Total Cover		
Herb Stratum (Plot size: 5 feet radius)			
1. Paspalum fasciculatum	2		
2. Typha domingensis	2		
3.			
4.			
5.			
6.			
7.			
8.			
	4% = Total Cover		
Woody Vine Stratum (Plot size: 30 feet radius)			
1.			
2.			
3.			
4.			
	0 = Total Cover		

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
Total Number of Dominant Species Across All Strata: 0 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A = N/A

Hydrophytic Vegetation Indicators:
☐ Rapid Test for Hydrophytic Vegetation
☐ Dominance Test is >50%
☐ Prevalence Index is ≤3.0[1]
☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ☑ No ☐

Remarks:
The 2016 Wetland Plant List was used to determine indicator status.

US Army Corps of Engineers | Caribbean Islands Region – Interim Version

SOIL

Sampling Point: PNE-EC 001

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Redox Features Type[1]	Redox Features Loc[2]	Texture	Remarks
13"	10YR 4/3	100%					Agregga	This area is outside of project site

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- [x] Histosol (A1)
- [ ] Histic Epipedon (A2)
- [ ] Black Histic (A3)
- [ ] Hydrogen Sulfide (A4)
- [x] Organic Bodies (A6)
- [ ] 5 cm Mucky Mineral (A7)
- [ ] Muck Presence (A8)
- [ ] Depleted Below Dark Surface (A11)
- [ ] Thick Dark Surface (A12)
- [ ] Sandy Gleyed Matrix (S4)
- [ ] Sandy Redox (S5)
- [ ] Stripped Matrix (S6)
- [ ] Dark Surface (S7)
- [ ] Loamy Gleyed Matrix (F2)
- [ ] Depleted Matrix (F3)
- [ ] Redox Dark Surface (F6)
- [ ] Depleted Dark Surface (F7)
- [ ] Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- [ ] Stratified Layers (A5)
- [ ] Very Shallow Dark Surface (TF12)
- [ ] Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: N/A

Depth (inches): _____

Hydric Soil Present? Yes [x] No [ ]

Remarks:

Hydric soil indicators were found at this sampling point. Outside of working area. Organic material covering the soil.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- [ ] Surface Water (A1)
- [ ] High Water Table (A2)
- [ ] Saturation (A3)
- [ ] Water Marks (B1)
- [ ] Sediment Deposits (B2)
- [ ] Drift Deposits (B3)
- [ ] Algal Mat or Crust (B4)
- [ ] Iron Deposits (B5)
- [ ] Inundation Visible on Aerial Imagery (B7)
- [ ] Water-Stained Leaves (B9)
- [ ] Aquatic Fauna (B13)
- [ ] Hydrogen Sulfide Odor (C1)
- [ ] Oxidized Rhizospheres on Living Roots (C3)
- [ ] Presence of Reduced Iron (C4)
- [ ] Recent Iron Reduction in Tilled Soils (C6)
- [ ] Thin Muck Surface (C7)
- [ ] Fiddler Crab Burrows (C10)
- [ ] Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- [ ] Surface Soil Cracks (B6)
- [ ] Sparsely Vegetated Concave Surface (B8)
- [ ] Drainage Patterns (B10)
- [ ] Dry-Season Water Table (C2)
- [ ] Saturation Visible on Aerial Imagery (C9)
- [ ] Geomorphic Position (D2)
- [ ] Shallow Aquitard (D3)
- [x] FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes [ ] No [x] Depth (inches): _____

Water Table Present? Yes [ ] No [x] Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes [x] No [ ] Depth (inches): _____

Wetland Hydrology Present? Yes [x] No [ ]

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

This sampling point was close to the existing pond. The site is east of the proposed area.

US Army Corps of Engineers — Caribbean Islands Region – Interim Version

WETLAND DETERMINATION DATA FORM – Caribbean Islands Region

Project/Site: Paseo Lineal Juan de la Torre | Municipality/Town: Barceloneta | Sampling Date: 11/2/2024

Applicant/Owner: Municipality of Barceloneta | PR or USVI: PR | Sampling Point: SP16

Investigator(s): Javier Vélez Arocho-Diatom Environmental Services, LLC | Ward/Estate: Pueblo

Landform (hillslope, terrace, etc.): Terrace / footslope | Local relief (concave, convex, none): none | Slope (%): 0-2%

Lat: 18.456979 | Long: -66.537252 | Datum: State Plane, NAD 83

Soil Map Unit Name: UL/Cn | NWI classification: R2HUB/PEM1A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation Yes, Soil Yes, or Hydrology Yes significantly disturbed? Are "Normal Circumstances" present? Yes ☑ No ☐

Are Vegetation No, Soil No, or Hydrology No naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☑ No ☑	**Is the Sampled Area within a Wetland?** Yes ☐ No ☑
Hydric Soil Present?	Yes ☑ No ☑	
Wetland Hydrology Present?	Yes ☑ No ☑	

Remarks:

Sampling point is located within the proposed site and the existing channel.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 30 feet radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. No trees present	10%		FACU
2.			FACU
3.			
4.			
5.			
	0%	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15 feet radius)			
1. No shrubs present			
2.			
3.			
4.			
5.			
	0%	= Total Cover	
Herb Stratum (Plot size: 5 feet radius)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	0%	= Total Cover	
Woody Vine Stratum (Plot size: 30 feet radius)			
1.			
2.			
3.			
4.			
	0%	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 0 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A = N/A

Hydrophytic Vegetation Indicators:

- ☐ Rapid Test for Hydrophytic Vegetation
- ☐ Dominance Test is >50%
- ☐ Prevalence Index is ≤3.0[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ☐ No ☑

Remarks:

The 2016 Wetland Plant List was used to determine indicator status.

US Army Corps of Engineers — Caribbean Islands Region – Interim Version

SOIL

Sampling Point: PNE-EC 001

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
1		0					Agregga	This area is within the proposed site

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Organic Bodies (A6)
- ☐ 5 cm Mucky Mineral (A7)
- ☐ Muck Presence (A8)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ Stratified Layers (A5)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Rock, and aggregates

Depth (inches): 2

Hydric Soil Present? Yes ☐ No ☑

Remarks:

Hydric soil indicators were not found at this sampling point.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Fiddler Crab Burrows (C10)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Dry-Season Water Table (C2)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☑ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ☐ No ☑ Depth (inches): _____

Water Table Present? Yes ☐ No ☑ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ☐ No ☑ Depth (inches): _____

Wetland Hydrology Present? Yes ☐ No ☑

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The sampling point was right next to the proposed site. This area is made of rock revetment.

US Army Corps of Engineers — Caribbean Islands Region – Interim Version

Attachment 3: National Wetland Inventory (NWI) maps for the approximate locations of the North and South platforms

U.S. Fish and Wildlife Service
National Wetlands Inventory

PR-CRP-000541 Barceloneta

June 27, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

U.S. Fish and Wildlife Service
National Wetlands Inventory

PR-CRP-000541 Barceloneta

June 28, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Attachment 4: Photos of the areas adjacent to platforms and along the linear walkway.

PR-CRP-000541 Barceloneta – Photos of site conditions

Photos obtained during Wetland inspection in the areas adjacent to the linear park (taken on 11/2/2024).

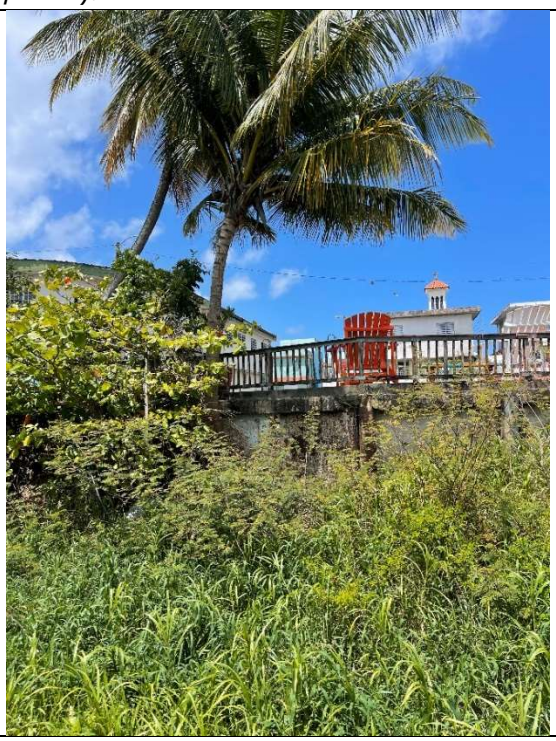


Photo facing West near the area where sampling point 01 and 03 were located.	View of existing walkway, facing West, near to location of proposed North Platform.
View of existing walkway at an elevated area from the ground, facing SouthWest.	Photo showing upland areas in the northern part of the linear park. The photo was taken facing south; exiting areas of the walkway are to the right of the photo.

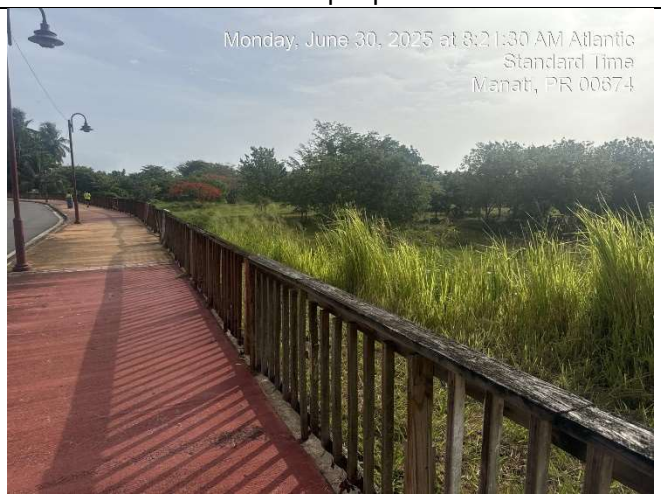
Photos where the proposed North Platform will be located (taken 6/30/2025).

The area where the North Platform will be located, facing North, and showing the vegetation to the East (on the right of the photo).

Area where the North Platform will be located, facing South, and showing the vegetation to the East (on the left of the photo).

View from the location where the North Platform will be located, facing East, showing a man-made stormwater channel and the retention pond further to the East. The new platform will extend some 20 feet from the existing sidewalk but will not impact or alter the storm water channel or the pond.

Photos where the proposed South Platform will be located (taken 6/30/2025).



Area where the South Platform will be located, facing North, and showing the vegetation to the East (on the right of the photo)

Area where the South Platform will be located, facing South, and showing the vegetation to the East (on the left of the photo)

View from the location where the South Platform will be located, facing East, showing overgrown grass and man-made storm water channel beyond. The proposed platform will extend some 20 feet from the existing sidewalk but will not impact or alter the storm water channel (pond is not visible from this area).

Attachment 5: Soil Maps

Map Scale: 1:5,830 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 50 100 200 300

Feet
0 250 500 1000 1500

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 19N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Arecibo Area, Puerto Rico Northern Part
Survey Area Data: Version 20, Sep 10, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

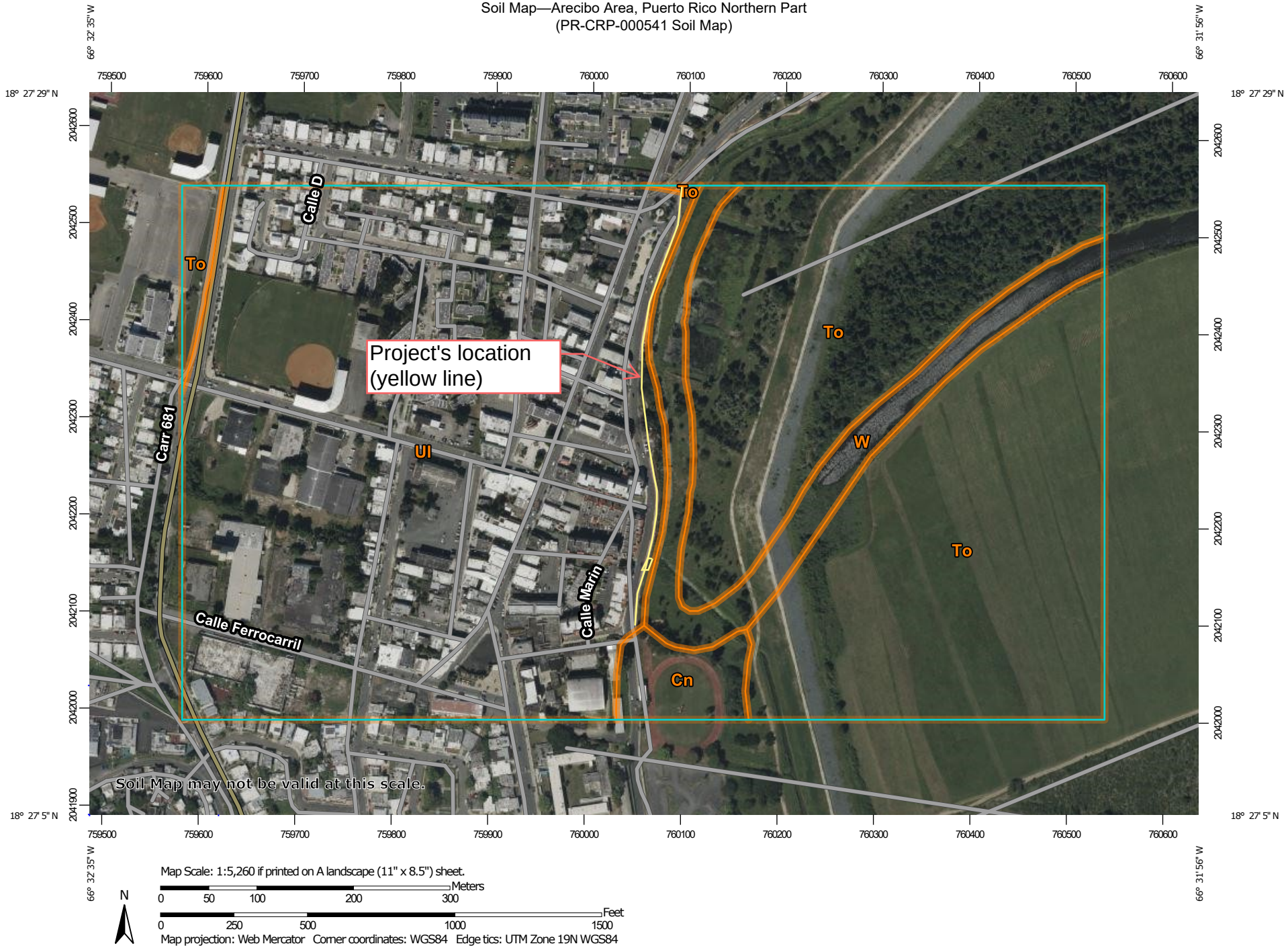
Date(s) aerial images were photographed: Jan 23, 2022—Mar 1, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Cn	Coloso silty clay, 0 to 2 percent slopes, occasionally flooded	22.6	14.3%
To	Toa silty clay loam, 0 to 2 percent slopes, occasionally flooded	97.4	61.6%
Ul	Urban land	26.5	16.8%
W	Water	11.5	7.3%
Totals for Area of Interest		**158.0**	**100.0%**

Soil Map—Arecibo Area, Puerto Rico Northern Part
(PR-CRP-000541 Soil Map)



Map Scale: 1:5,260 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 50 100 200 300

Feet
0 250 500 1000 1500

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 19N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Arecibo Area, Puerto Rico Northern Part
Survey Area Data: Version 20, Sep 10, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

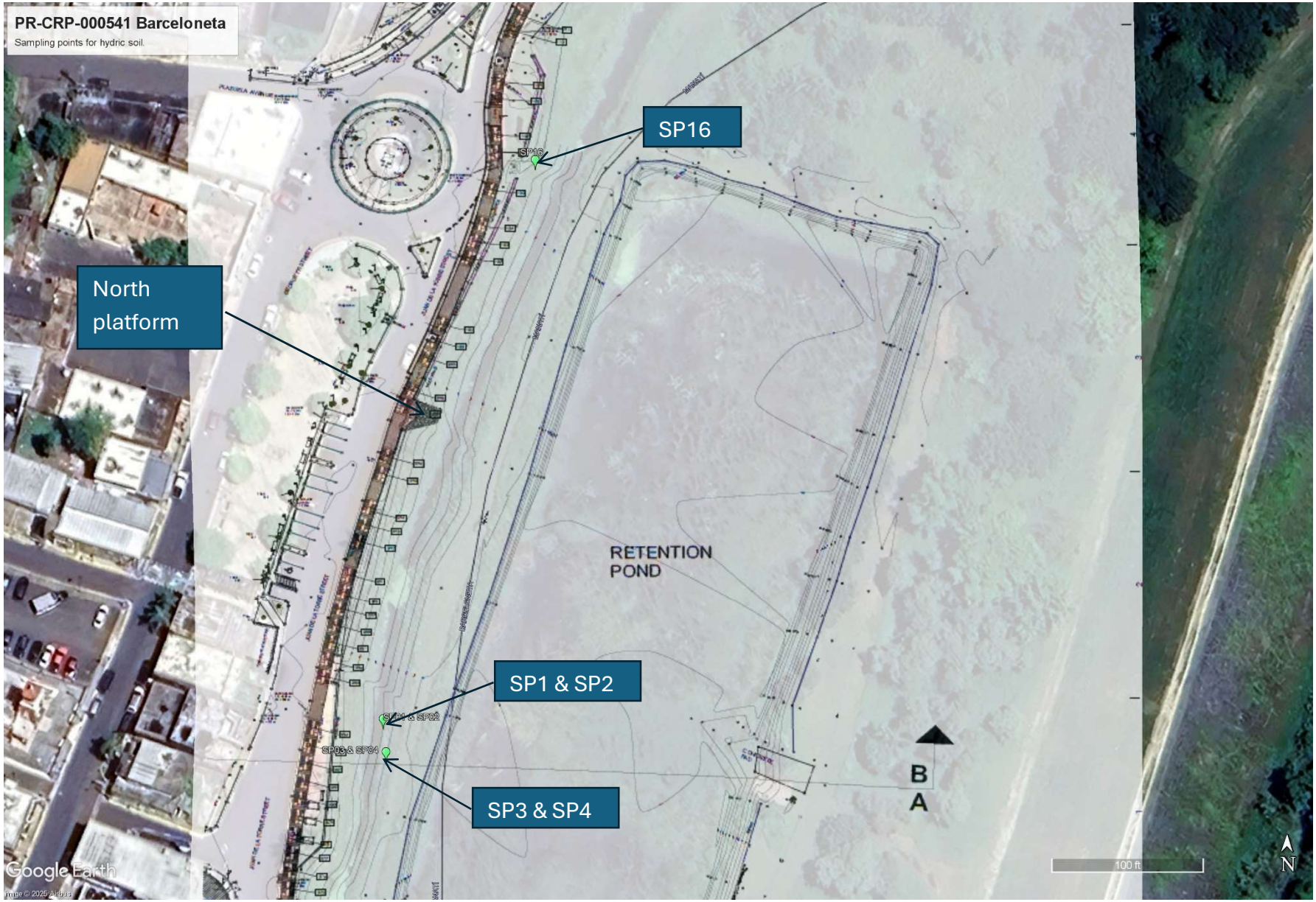
Date(s) aerial images were photographed: Jan 23, 2022—Mar 1, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Cn	Coloso silty clay, 0 to 2 percent slopes, occasionally flooded	2.7	2.1%
To	Toa silty clay loam, 0 to 2 percent slopes, occasionally flooded	53.6	41.1%
Ul	Urban land	65.4	50.2%
W	Water	8.6	6.6%
Totals for Area of Interest		**130.4**	**100.0%**

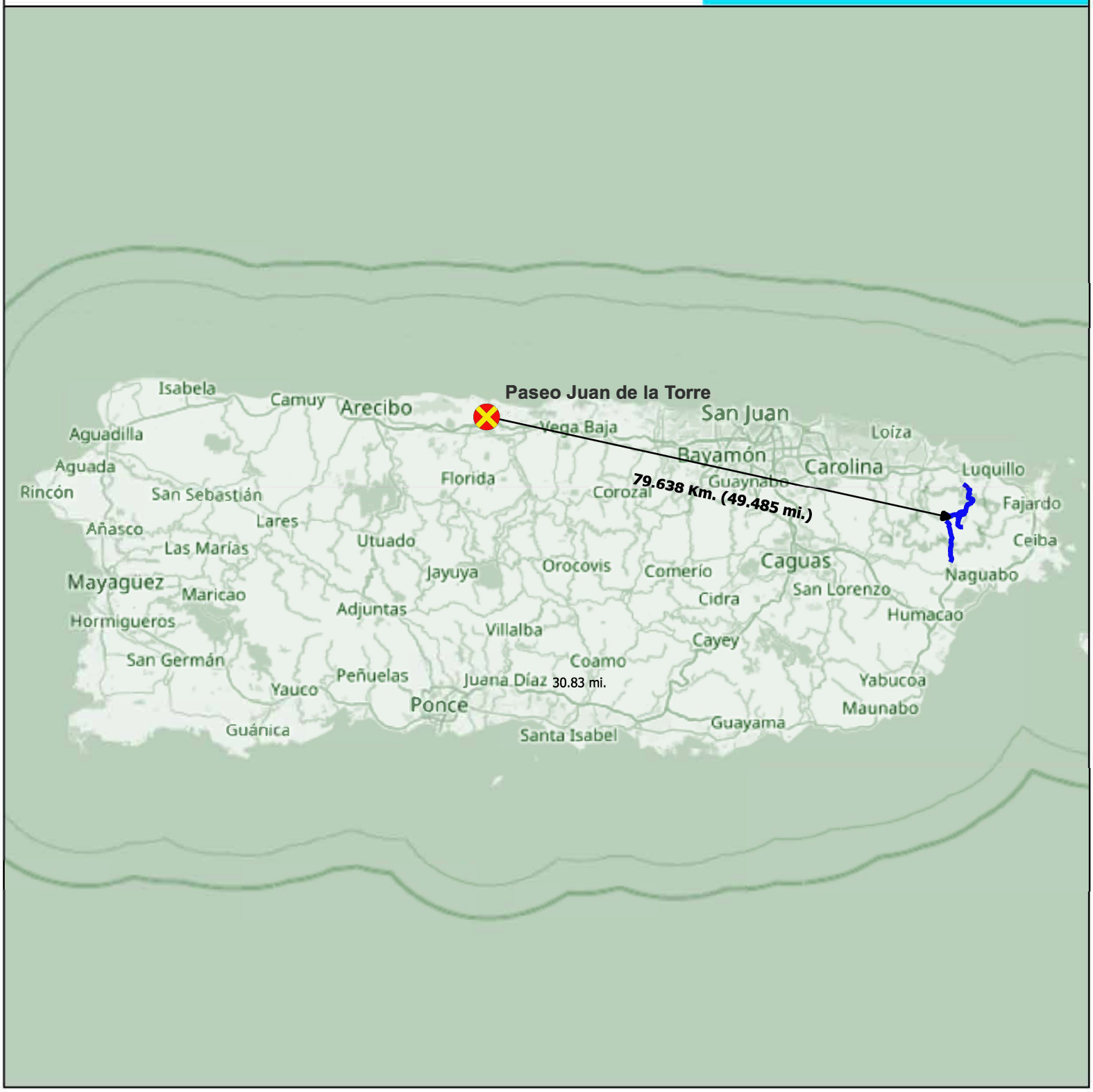
Attachment 6: Map Aerial images show of Sampling Points locations


PR-CRP-000541 Barceloneta
Sampling points for hydric soil.
SP16
North platform
RETENTION POND
SP1 & SP2
SP3 & SP4
B
A
100 ft
N
Google Earth

Attachment P:
Wild and Scenic Rivers

Wild & Scenic Rivers Map
PR-CRP-000541 - Paseo Juan de la Torre
Municipality of Barceloneta, Puerto Rico
Coordinates:
North: (18.458943, -66.534843);
South: (18.453635, -66.537689)

EHSConsulting Services
PO Box 1384, Boquerón, PR 00622
(787) 567-1302



Legend:

- Paseo Juan de la Torre (Center Point)
- Wild and Scenic Rivers

Scale: 1:900,000

10 0 10 20 km

10 0 10 mi

Spatial Reference:
NAD 83 State Plane Puerto Rico & Virgin Is.
EPSG 32161

Reference:
USDA Forest Service. Wild and Scenic Rivers Shapefile
Open Street Maps Tile

Source:
USDA Forest Service. Wild and Scenic Rivers Shapefile
https://data.fs.usda.gov/geodata/edw/datasets.php?xmlKeyword=wild+and+scenic+river+segments
Open Street Maps Tile
https://tile.openstreetmap.org/{z}/{x}/{y}.png

Attachment Q:
Field Inspection Report

Environmental Site Visit Check List

Property Identification and Location:
Paseo Juan de la Torre
Barceloneta, Puerto Rico

Property Description:

1. Does the municipality own this property?

   X Yes _____ No

2. Is the property located in urban surroundings?

   X Yes ___ No ___ Unknown

3. Is the property located in rural surroundings?

   ___ Yes X No ___ Unknown

4. Is the property located in an industrial or manufacturing area?

   ___ Yes X No ___ Unknown

5. Is the property located in a commercial area?

   X Yes ___ No ___ Unknown

6. Is the property located in a residential area?

   X Yes ___ No ___ Unknown

7. Is the property located in an undeveloped area?

   ___ Yes **X** No ___ Unknown

8. Is the property an industrial or manufacturing site?

   ___ Yes **X** No ___ Unknown

9. Is the property a commercial site?

   ___ Yes **X** No ___ Unknown

10. Is the property a multifamily residential site?

    ___ Yes **X** No ___ Unknown

11. Is the property undeveloped land?

___ Yes ___X___ No ___ Unknown

12. Are there any surface water bodies within 500 feet (152 m) of the property?

___X___ Yes ___ No ___ Unknown Río Grande de Manatí

13. Is the facility in a wetland area as mapped by the Department of the Interior or state and local planning areas? See Figure

___ Yes ___X___ No ___ Unknown
Adjacent wetlands as per USFWS Weland map

14. Are there any available site layouts, plot plans of the facilities and property, or flow charts of processes?

___X___ Yes ___ No ___ Unknown

Site Appearance:

15. Are there any indications of contamination or environmental damage on the property?

___ Yes ___X___ No ___ Unknown

16. Are there any newly surfaced areas, areas of disturbed soil or mounds of soil?

___ Yes ___X___ No ___ Unknown

17. Do any ditches or easements have any signs of sludge, discoloration, or oil sheen?

___ Yes ___X___ No ___ Unknown

18. Is there any evidence or knowledge of any pool of liquids or sumps containing liquids likely to be hazardous substances or petroleum products?

___ Yes ___X___ No ___ Unknown

19. Is there any evidence or knowledge of any stains or corrosion on any floors, walls, or ceilings, floor drains or sumps?

___ Yes ___X___ No ___ Unknown ___ N/A

20. Has any demolition occurred on the property?

___ Yes ___ No ___X___ Unknown

21. Is there any construction or demolition debris on or buried on the property?

___ Yes ___ No _X_ Unknown

22. Is there any evidence or knowledge of any complaints by the neighbors or authorities about odors, discharges, or noise from the facility?

___ Yes ___ No _X_ Unknown

23. Does the general appearance of the facility and grounds appear to be in a state of "good housekeeping"?

_X_ Yes ___ No ___ Unknown ___ N/A

24. Have there been any environmental assessments, audits, regulatory inspections, soil, air, or water sampling, endangered species studies or impact statements previously conducted at the facility or on the property?

___ Yes ___ No _X_ Unknown

25. Has an environmental professional reviewed the report as part of this assessment?

___ Yes ___ No _X_ Unknown

Environmental Compliance:

26. Has the facility been in compliance with all environmental permits and applicable Federal, State, and local laws, regulations, and ordinances?

___ Yes ___ No ___ Unknown _X_ N/A

27. Has the facility-received notification of lawsuits or administration proceedings alleging violation of Federal, state and local environmental laws and regulations?

___ Yes ___ No _X_ Unknown ___ N/A

Potential Liabilities:

28. Are there any past or current known or suspected onsite or offsite contamination concerns associated with the property or any treatment, storage, or disposal facility?

___ Yes _X_ No ___ Unknown ___ N/A

29. Currently, or in the past, is there any evidence or knowledge that there is any environmental contamination testing being conducted at the property?

___ Yes _X_ No ___ Unknown ___ N/A

30. Is there any on-site environmental contamination issues being investigated by Federal, state, or local government agencies?

___ Yes ___ No _X_ Unknown ___ N/A

31. Has the facility ever received notifications of any lawsuits or administration proceedings alleging contamination or damage to natural resources at the facility or on the property?

___ Yes ___ No ___ Unknown _X_ N/A

32. Has the municipality established any reserves for environmental compliance or remediation costs?

___ Yes ___ No ___ Unknown _X_ N/A

33. Are there any off-site active or inactive land disposal sites owned or operated by the municipality?

___ Yes ___ No _X_ Unknown ___ N/A

Groundwater:

34. Is the local water supply provided by a central water system?

_X_ Yes AAA ___ No ___ Unknown ___ N/A
PRASA (AAA)

35. Are there any known drinking water wells within a one-mile radius of the subject property?

___ Yes ___ No _X_ Unknown ___ N/A

36. Is the depth to groundwater known?

___ Yes ___ No _X_ Unknown ___ N/A

37. Is there any groundwater well(s) that the facility can or does monitor?

___ Yes _X_ No ___ Unknown ___ N/A

38. Have contaminants been identified in any well on the property or any well within a one-mile radius of the subject property?

___ Yes _X_ No ___ Unknown ___ N/A

Subject Property: Current and Past Uses:

39. Is there any evidence or knowledge of any industrial or manufacturing activities conducted at the facility or on the property?

___ Yes ___X___ No ___ Unknown ___ N/A

40. Is there any evidence or knowledge that the manufacturing activities are likely to indicate any recognized environmental conditions in connection with the subject property?

___ Yes ___X___ No ___ Unknown ___ N/A

41. Is there any evidence or knowledge of any repair or service activities, gas stations, or petroleum processing, storage or delivery activities conducted at the facility or on the property?

___ Yes ___X___ No ___ Unknown ___ N/A

42. Is there any evidence or knowledge of any dry cleaning, parts cleaning, equipment or machine cleaning, printing or photographic developing activities conducted at the facility or on the property?

___ Yes ___X___ No ___ Unknown ___ N/A

43. Is there any evidence or knowledge of any waste storage, recycling or treatment activities conducted at the facility or on the property?

___ Yes ___X___ No ___ Unknown ___ N/A

44. Is there any evidence or knowledge of any waste, wastewater, or land disposal activities conducted at the facility or on the property?

___ Yes ___X___ No ___ Unknown ___ N/A

45. Is there any evidence or knowledge of any prepackaged hazardous substances stored for distribution at the facility or on the property?

___ Yes ___X___ No ___ Unknown ___ N/A

46. Is there any evidence or knowledge of any lawn, disinfectant, or pest control chemicals used or stored at the facility or on the property?

___ Yes ___X___ No ___ Unknown ___ N/A

47. 7. Is there any evidence or knowledge of any building cleaning, building painting, or building maintenance chemicals used or stored at the facility or on the property?

___ Yes ___X___ No ___ Unknown ___ N/A

48. 48. Is there any evidence or knowledge of any mining, quarrying, oil or gas extraction activities conducted at the facility or on the property?

___ Yes _X_ No ___ Unknown ___ N/A

49. Is there any evidence or knowledge of any special or unique activities involving toxic or hazardous materials or substances conducted at the facility or on the property?

___ Yes _X_ No ___ Unknown ___ N/A

50. Is the site located in an area with known regional elevated radon levels?

___ Yes _X_ No ___ Unknown ___ N/A

Lead Based Paint:

51. Is there any evidence or knowledge of any lead-based paint had been used at the facility?

___ Yes ___ No _X_ Unknown ___ N/A

Urea Formaldehyde:

52. Does the facility have any urea formaldehyde insulation?

___ Yes _X_ No ___ Unknown ___ N/A

Drinking Water Lead Pipes:

53. Is there any evidence or knowledge of any drinking water lead pipes?

___ Yes ___ No ___ Unknown _X_ N/A

Electric Magnetic Field:

54. Are there any electrical substations or transmission lines labeled high voltage or similar warnings located at the facility, on the property, on the easements or within 300 feet of the property line?

___ Yes ___ No ___ Unknown _X_ N/A

Fill Dirt:

55. Is there any evidence or knowledge of any fill dirt or fill materials been used on, applied to, or disposed of on the subject property?

___ Yes ___ No _X_ Unknown ___ N/A

Asbestos:

56. Is there any evidence or knowledge of any insulation, surfacing materials, vinyl floor tiles or fire retardant materials installed before 1980 in the buildings or on the property?

___ Yes _X_ No ___ Unknown ___ N/A

Polychlorinated Biphenyl (PCB's):

57. Is there any evidence or knowledge that there is fluorescent light ballast that could contain PCB's or mercury at the facility or on the property?

___ Yes ___ No _X_ Unknown ___ N/A

58. Is there any evidence or knowledge that there are or were any electrical equipment installed before 1980 at the facility or on the property?

___ Yes ___ No _X_ Unknown ___ N/A

Underground Storage Tank: Existing Tank:

59. Is there any evidence, knowledge or physical indication of any existing underground storage tank at the facility or on the property?

___ Yes _X_ No ___ Unknown ___ N/A

Above Ground Storage Tanks (AST's):

60. Is there any evidence, knowledge or physical indication of any above ground storage tanks at the facility or on the property?

___ Yes _X_ No ___ Unknown ___ N/A

61. Are there any active above ground storage tanks at the facility or on the property?

___ Yes _X_ No ___ Unknown ___ N/A

62. Are there any out of service or abandoned above ground storage tanks at the facility or on the property?

___ Yes _X_ No ___ Unknown ___ N/A

63. Has there been any above ground storage tanks removed from the property?

___ Yes ___ No _X_ Unknown ___ N/A

Chemical, Hazardous Substances and Petroleum Products:

64. Are there any material safety data sheets (MSDS) for raw materials or products used, produced or stored at the facility or on the property?

___ Yes ___ No ___ Unknown _X_ N/A

65. Has the facility or does the facility participate in a Hazard Communication Program, Employee Right to Know, Community Right to Know, Toxic Chemical Inventory Reporting, Toxic Chemical Release Reporting, or Emergency Notification of Releases of Listed Extremely Hazardous Substances programs or reporting?

___ Yes ___ No ___ Unknown _X_ N/A

66. Is there any evidence or knowledge that there are any chemicals, hazardous substances or petroleum products used or stored at the facility or on the property?

___ Yes _X_ No ___ Unknown ___ N/A

Unidentified Substances Containers:

67. Are there any containers or drums that contain unidentified substances suspected of being hazardous substances or petroleum products?

___ Yes _X_ No ___ Unknown ___ N/A

Solid Waste:

68. Is there any evidence or knowledge that there are any waste, by-products, or throw-offs generated at the facility or on the property?

___ Yes _X_ No ___ Unknown ___ N/A

Sludge or Solids:

69. Is there any evidence or knowledge that there are or was any sludge or solids generated, spilled, disposed of, buried, spread, or abandoned at the facility or on the property?

___ Yes _X_ No ___ Unknown ___ N/A

70. Is there any evidence or knowledge that there are or were any sludge's or solids spilled, disposed of, buried, spread, or abandoned at the facility or on the property?

___ Yes ___ No ___ Unknown _X_ N/A

Land Disposal Activities:

71. Is there any evidence or knowledge that there are or were any waste piles, junkyards, landfills, open dumps, buried materials or wastes, construction debris or abandoned materials, drums, tanks, or equipment at the facility or on the property?

___ Yes _X_ No ___ Unknown ___ N/A

72. Is there any evidence or knowledge that there are or were any deep wells, injection wells, or dry wells that received any wastes on the property?

___ Yes ___ No _X_ Unknown ___ N/A

Pits, Ponds, and Surface Impoundments:

73. Is there any evidence or knowledge that there are or were any pits, ponds, lakes, basins, lagoons, or surface impoundments on the property?

___ Yes _X_ No ___ Unknown ___ N/A

Industrial, Fuel, Automotive, and Waste Oil:

74. Is there any evidence or knowledge that there are or were any industrial, fuel, automotive oil used or stored, or any waste oil generated, stored, treated or disposed of at the facility or on the property?

___ Yes _X_ No ___ Unknown ___ N/A

75. Has any oil or waste oil been used for dust control on the property?

___ Yes _X_ No ___ Unknown ___ N/A

Batteries:

76. Is there any evidence or knowledge that there are or were any industrial or automotive batteries generated or stored at the property?

___ Yes _X_ No ___ Unknown ___ N/A

Empty Drums:

77. Is there any evidence or knowledge that there are or were any used or empty drums used, generated, stored, discharged or disposed of at the facility or on the property?

___ Yes _X_ No ___ Unknown ___ N/A

Air Emissions:

78. Is there any evidence or knowledge that there are or were air emission sources, odors, fumes, visible gas, particles or dust at the facility or on the property?

___ Yes _X_ No ___ Unknown ___ N/A

Sanitary Wastewater:

79. Does the facility discharge sanitary wastewater to a municipal sewer system?

_X_ Yes ___ No ___ Unknown ___ N/A
PRASA (AAA)

80. Does the facility discharge wastewater to an onsite septic system or leaching field?

___ Yes _X_ No ___ Unknown ___ N/A

81. Is there any evidence that there are floor drains, roof drains, and catch basins, pits or sumps that could discharge spills, leaks, or releases from process areas, chemical storage areas, above ground storage tanks, machinery or electrical equipment to the sanitary sewer?

___ Yes ___ No ___ Unknown __X__ N/A

Storm Water Runoff:

82. Is storm water runoff discharged to a municipal sewer system?

__X__ Yes ___ No ___ Unknown ___ N/A

83. Is storm water runoff discharged to surface water?

__X__ Yes ___ No ___ Unknown ___ N/A

84. If yes, are there any floor drains, roof drains, catch basins, pits or sumps that could discharge spills, leaks, or releases from process areas, chemical storage areas, above ground storage tanks, machinery or electrical equipment to the surface water?

___ Yes ___ No ___ Unknown __X__ N/A

85. Do any floor drains, roof drains, catch basins, pits, or sumps have any signs of contamination?

___ Yes __X__ No ___ Unknown ___ N/A

86. Does any surface water or storm water discharge points have any signs of contamination?

___ Yes __X__ No ___ Unknown ___ N/A

87. Is there any evidence or knowledge that there are or were any ponds, pits, lagoons, surface impoundments or settling ponds used to store or treat storm water?

___ Yes __X__ No ___ Unknown ___ N/A

Industrial Wastewater:

88. Does the facility discharge any treated or non-treated industrial wastewater?

___ Yes __X__ No ___ Unknown ___ N/A

Neighboring Properties: Current and Past Activities:

89. Is there any evidence or knowledge of any industrial or manufacturing activities conducted at any of the adjacent properties?

___ Yes __X__ No ___ Unknown ___ N/A

90. Is there any evidence or knowledge that there are or were any containers or tanks that contain chemicals used at any of the adjacent properties?

___ Yes ___ No ___X___ Unknown ___ N/A

91. Is there any evidence or knowledge that there are or were any hazardous substances used or stored at any of the adjacent properties?

___ Yes ___X___ No ___ Unknown ___ N/A

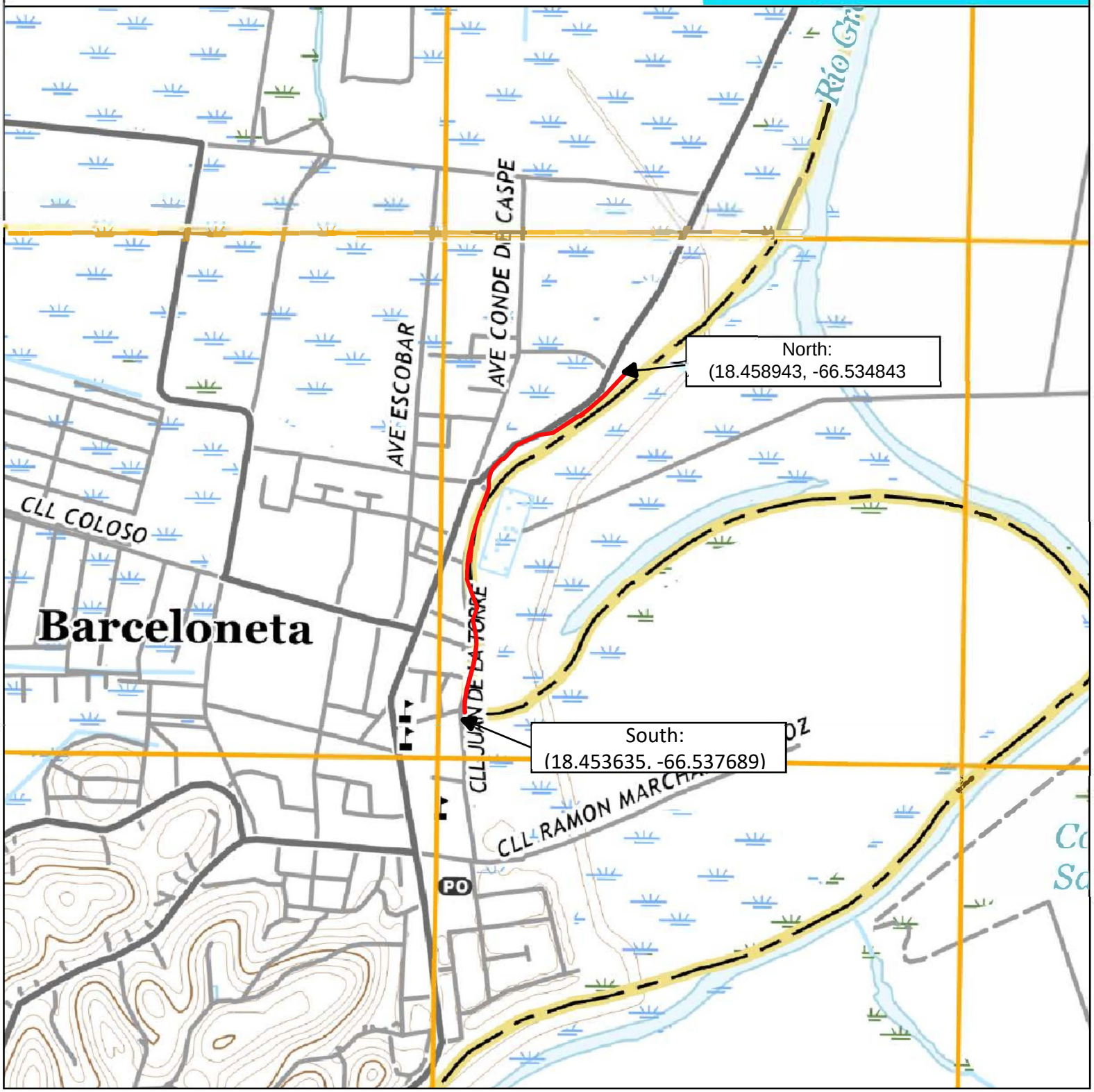
Signature Date: 12 July 2024

Edgar Vazquez Quiles

Figure 1 - Site Location Map
PR-CRP-000541 - Paseo Juan de la Torre
Municipality of Barceloneta, Puerto Rico

Coordinates:
North: (18.458943, -66.534843;
South: (18.453635, -66.537689)

EHSConsulting Services
PO Box 1384, Boquerón, PR 00622
(787) 567-1302



Legend:

Paseo Juan de la Torre

Scale: 1:10,000

100 0 100 200 m

500 0 500 ft

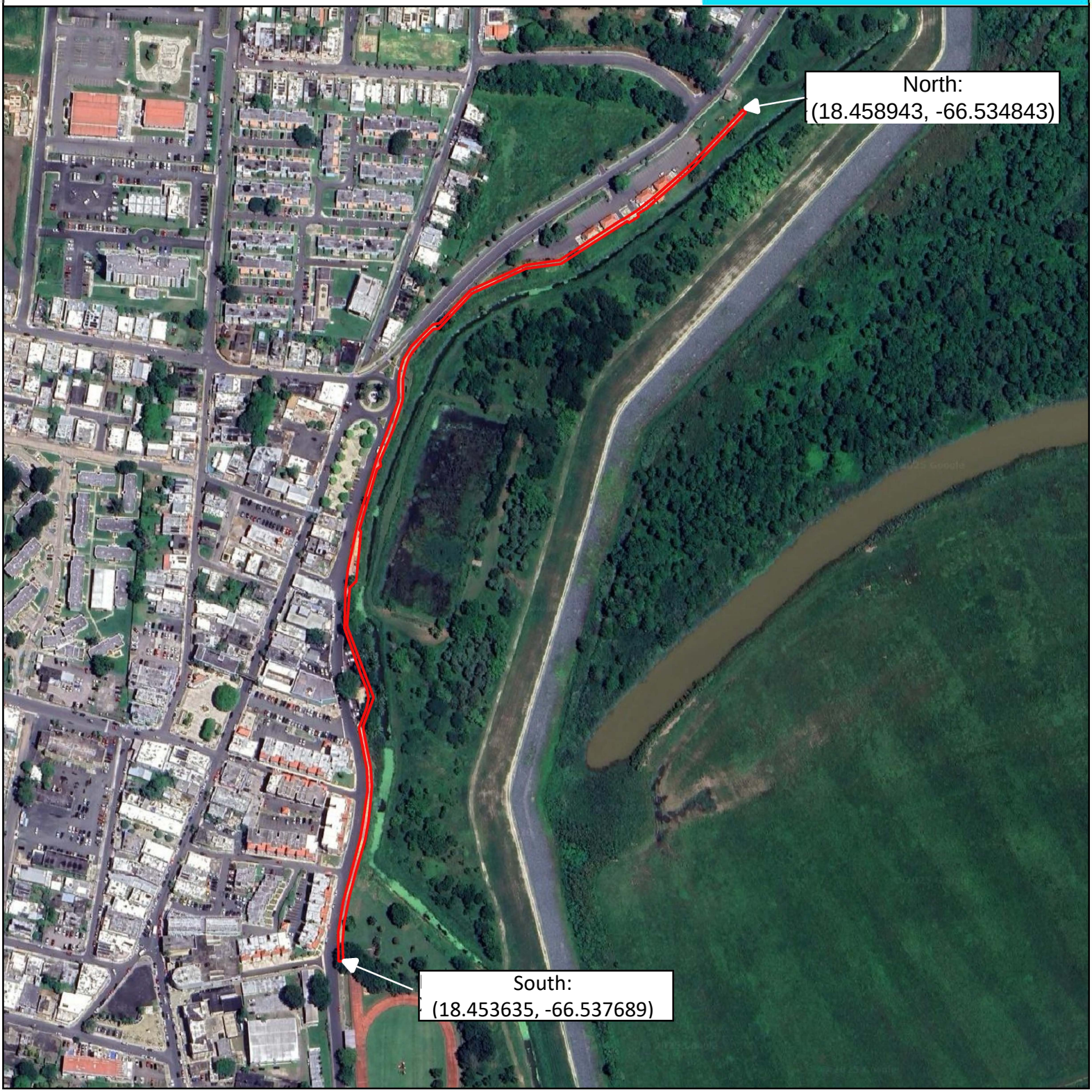
Spatial Reference:
NAD 83 State Plane Puerto Rico & Virgin Is.
EPSG 32161

Reference:
Barceloneta Quadrangle Puerto Rico 7.5-Minute Series. U.S. Geological Survey (USGS) 2024

Source:
USGS National Geologic Map Database. TopoView Viewer.
https://ngmdb.usgs.gov/topoview/viewer/#17/18.45416/-66.53844

Figure 2 - Aerial photograph
PR-CRP-000541 - Paseo Juan de la Torre
Municipality of Barceloneta, Puerto Rico
Coordinates:
North: (18.458943, -66.534843;
South: (18.453635, -66.537689)

EHSConsulting Services
PO Box 1384, Boquerón, PR 00622
(787) 567-1302



Legend:

Paseo Juan de la Torre

Scale: 1:4,000

50 0 50 100 m

250 0 250 ft

Spatial Reference:
NAD 83 State Plane Puerto Rico & Virgin Is.
EPSG 32161

Reference:
Aerial photograph of Barceloneta, PR. Recovered from Google Satellite Tile. Imagery Date: September 16, 2024

Source:
Google Earth Tile
http://www.google.cn/maps/vt?lyrs=s@189&gl=cn&x={x}&y={y}&z={z}