Statutory Checklist

Paseo de Diego (PR-CRP-000956)

2025

Prepared for :
San Juan Municipality

Integra Design Group, PSC
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Case ID: PR-CRP-000956

Paseo de Diego (PR-CRP-000956)

Environmental Assessment - Determination and Compliance Findings for HUD - Assisted Projects - 24 CFR Part 58

Delivery log

Delivery	Date	Comments
1	11-21-2023	Initial Draft Delivery
2	06-21-2024	Initial Formal
3	12-10-2024	Delivery Formal
4	01-30-2025	Delivery Formal
5	04-10-2025	Delivery Formal
6	7-11-2025	Delivery Formal
7	8-04-2025	Delivery Formal
8	10-14-2025	Delivery Formal

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SAN JUAN, PR

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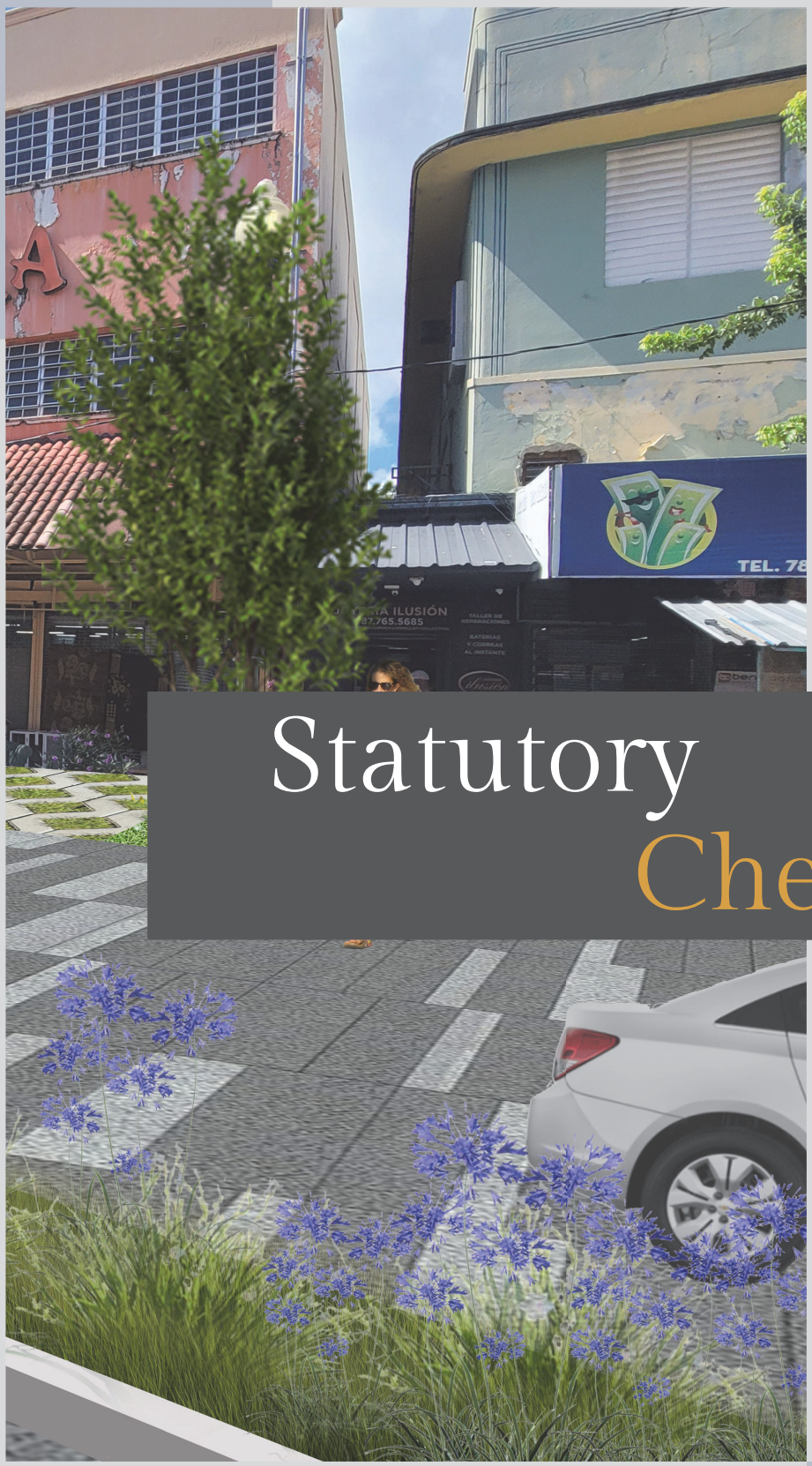

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Environmental Review for Activity/Project that is Categorically Excluded Subject to Section 58.5

Pursuant to 24 CFR 58.35(a)

[Please use the following link to access HUD hand book for environmental review procedures for entities assuming environmental review responsibilities: Part-58-CEST-Format.docx]

Part A. General Project Information

1. **Project Name:** Paseo de Diego (PR-CRP-000956)

2. **Responsible Entity:** Puerto Rico Department of Housing (PRDOH)

3. **Grant Recipient Name:** San Juan Municipality

4. **State/Local Identifier:** Puerto Rico

5. **Preparer:** Lizaida Diaz- Permit Procurement Specialist
   Dianalexia Ortíz- Permit Procurement Specialist
   Alexandra Colon- GIS Specialist
   Olga E. Angueira- Project Manager

6. **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
María T. Torres Bregón – Manager, Permits and Environmental Compliance
Sally Z. Acevedo Cosme – Specialist, Permits and Environmental Compliance
Limary Vélez Marrero – Specialist, Permits and Environmental Compliance
Ivelisse Lorenzo Torres – Specialist, Permits and Environmental Compliance
Mónica M. Machuca Ríos – Specialist, Permits and Environmental Compliance
Janette I. Cambrelén – Specialist, Permits and Environmental Compliance
Santa D. Ramírez Lebrón – Specialist, Permits and Environmental Compliance
Abdul X. Feliciano Plaza – Specialist, Permits and Environmental Compliance
Pedro A. de León Rodríguez – Specialist, Permits and Environmental Compliance
Javier Mercado Barrera – Specialist, Permits and Environmental Compliance

Priscilla M. Toro Rivera – Specialist, Permits and Environmental Compliance

7. Consultant (if applicable): *Integra Design Group, PSC*

8. Direct Comments to: PRDOH at comentariosambiental@vivienda.pr.gov.

9. Project Location:

The project it's located at Rio Piedras ward between the Juan Ponce de León Avenue and Barbosa Avenue and consists of 1 (one) municipality road, Paseo de Diego Street, with cadastral number 720-127-000-47.

General Project Location Coordinates:

Paseo de Diego St. Geographical Coordinates:

- Project Begin Lat: 18.399103°, Long: -66.052428°.
- Project End Lat: 18.398407°, Long: -66.043641°.

Del Carmen St. Geographical Coordinates:

- Project Begin Lat: 18.398576°, Long: -66.050746°.
- Project End Lat: 18.398020°, Long: -66.050905°.

Lambert Coordinates (Paseo de Diego St.):

- o X = 241899 Y = 262540 (NAD 1983)

10. Description of the Proposed Project [24 CFR 50.12 & 58.32]**:**

PR-47, or better known as De Diego Street, part of this corridor, is a Tertiary Road property of the Puerto Rico Highway and Transportation Authority (PRHTA). The initial segment of 260 meters long is a "Paseo de Diego" and includes Del Carmen Street, which is a 60 meters long street that connects perpendicularly with the Paseo. Both segments are property of the Municipality of San Juan. They are located in the urban area of Río Piedras, San Juan. The "Paseo de Diego" project is approximately 1,020 meters long (0.634 mi.). The project begins at the intersection of Constitution Ave. and Paseo de Diego which is an area only for pedestrians and continues for the Km 0.00 of PR-47 "De Diego Street" and connects the Río Piedras and Santa Barbara neighborhoods. From the west side of Paseo de Diego, it has a nearby connection with connects Station of "Rio Piedras" and connects to the commercial area and "Plaza del Mercado de Río Piedras Rafael Hernández Marín". De Diego Street is a one-way road, and the entrance is at the intersection from Barbosa Avenue to Ferrocarril Street.

The project consists of the rehabilitation of existing Paseo de Diego, Del Carmen Street and De Diego Street from Km 0.0 to km 0.7 from the frontage road of PR-27 Barbosa Ave. to Constitution Ave., including as a design basis the Puerto Rico

Complete Streets Plan & Design Guidelines to provide adequate access to vulnerable users (pedestrians and cyclists).
The project scope includes the following proposed improvements:

1. Rehabilitation of pavement and improvements to sidewalks. This includes:
    a. Demolition of existing metal umbrellas, above ground planters and other structures.
        a. Pedestrian crossings to increase pedestrian safety.
        b. Speed tables to increase the safety of residents and tourists.
        c. Resurfacing roads.
2. Widening of sidewalks. Sidewalks on cross streets will be equally impacted by the project scope to provide a similar environment to its surroundings.
3. Rehabilitation of the pedestrian area.
    a. Provide cleaning to all existing surfaces not to be replaced. Grease and sticky areas must be removed with cleaning products.
    b. Bases of signs on the pavement and/or poles and other obstacles will be removed, and impacted areas rehabilitated with a homogeneous finish.
    c. Sidewalks on cross streets will be equally impacted by the project scope to provide a similar environment to its surroundings.
4. Incidental removal of debris and disused utilities to attend abandoned works.
5. Urban furniture, to include benches, bicycle racks and fixed trash containers.
    a. Installation of benches will take into account the aesthetics and durability.
    b. Installation of bollards.
    c. Installation of trash containers that cannot be removed. The aesthetics of the trash containers will be in harmony with the final design of the street.
    d. Provide fixed racks for bicycles. The aesthetics of the racks must be in harmony with the final design of the plaza.
6. Reconstruction and improvements to the signage system of the entire corridor.
7. Lighting improvements. The design and general improvements to the electrical system of the avenue will include:
    a. Installation of new LED luminaires in all areas of the avenue. Installation of poles as needed.

b. The removal and installation of poles that are currently in poor condition and do not belong to the Municipality of San Juan will be contemplated on the sidewalks.
c. New luminaires must be Vandal Resistant.
d. Instalation of cameras and panic buttons

8. Pruning and planting of trees and green areas. Reforestation of green areas that were affected by Hurricane Maria. The reforestation must be in harmony with the final design of the street.

11. Level of Environmental Review Determination:

Categorically Excluded per 24 CFR 58.35(a), and subject to laws and authorities at §58.5:

Categorically Excluded Activities Subject to 58.5 (CEST per 24 CFR 58.35(a))

(1) Acquisition, repair, improvement, reconstruction, or rehabilitation of public facilities and improvements (other than buildings) when the facilities and improvements are in place and will be retained in the same use without change in size or capacity for more than 20percent (e.g., replacement of water sewer lines, reconstruction of curbs and sidewalks, repaving of streets).

12. Funding Information

[Table pertains to funding associated with the HUD grants to PRDOH. The 'Estimated Total HUD Funded Amount' and 'Estimated Total Project Cost' pertain to the funding associated with the proposed project.]

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

13. Estimated Total HUD Funded Amount:

Task	Amount
Estimated Total HUD Funded Amount	$15,061,376.08
Estimated Total HUD Funded Amount	**$15,061,376.08**

14. Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]:

Task	Amount
Estimated Total HUD Funded Amount	$15,061,376.08
Estimated Total Project Cost (HUD and non-HUD)	**$15,061,376.08**

COMPLIANCE FACTORS: Statutes, Executive Orders, and Regulations listed at 24 C.F.R. §58.5 and §58.6		**Compliance Determinations**
Are formal compliance steps or mitigation required?	**Yes** ☐ **No** ☐	
15. STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 and 58.6		
15.1. Airport Hazards 24 CFR Part 51 Subpart D	Yes ☐ No ☒	The project site is approximately **17,010 ft** from the military runway (15,000 ft required) identified as Luis Muñoz Marín International Airport in Carolina and **16,271 ft** from the civilian runway (2,500 ft required) identified as Luis Muñoz Marín International Airport in Carolina, PR. The project is not located within an Accident Potential Zone (APZ) or Runway Protection Zone/Clear Zone (RPZ/CZ). (**Refer to Exhibit 1**)

		The proposed project is in compliance with 24 CFR Part 51 Subpart D Airport Hazard Statues and Regulations.
15.2. Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes ☐ No ☒	According to the U.S. Fish and Wildlife Service Coastal Barrier Resources System Mapper, the project site is not located in any Coastal Barrier Zone in Puerto Rico. The closest unit is approximately **27,963.7 ft** to the project, identified as **PR-87P.** (**Refer to Exhibit 2**) Therefore, the project is in compliance with this Coastal Barrier Resource Act of 1990 [16 USC 3501].
15.3. 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 ☒	Based on the FIRM Panel (Panel 72000C0370J, Effective Date of November 18, 2009), project site is located within Zone X, that is outside of the Special Flood Hazard Area (SFHA). Flood insurance is not required for this site due to its Zone X designation. **(Refer to Exhibit 3)** Therefore, the project is in compliance with the Flood Disaster Protection Act and National Flood Insurance Reform Act.
16. STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 & 58.5		
16.1. Clean Air Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93	Yes ☐ No ☒	The proposed project consists of the rehabilitation of an existing two segments of road, Paseo de Diego Street and Del Carmen Street, Rio Piedras, San Juan. This project does not include new construction or conversion of land use facilitating the development of public, commercial, or industrial facilities or five or more dwelling units.

		According to the EPA Green Book, the project site in San Juan-Rio Piedras, is in a non-attainment and maintenance area, but the project is not specifically within a non-attainment zone. According to the analysis performed through HUD Exchange on November 14, 2024, in the EPA NEPAssist https://nepassisttool.epa.gov/nepassist/nepamap.aspx, no contaminants have direct impacts over the property and the 1-mile buffer in reference to the site (Coordinates: Lat: 18.398447, Long: -66.048053) Refer to Exhibit #4 for the findings and report provided by the platform as required for review. Emissions are not expected to increase due to population density increase; the streets rehabilitation does not include the construction of facilities that may generate emissions. Activities may generate unwanted dust incidental to street rehabilitation work and will be controlled using best management practices. Typical air quality best management practices—such as dust control, vehicle tracking controls, and material management—are recommended during demolition and construction. The air quality best management practices and the frequency of inspections will be determined by the Designer and the Construction Manager in accordance with local regulations. The project includes bioswales and new green areas as well as new tree planting to help mitigate high temperatures and collect stormwater runoff. Due to the scale of the

		activities, it can be assumed to be below the minimum levels, and the project does not constitute a major source of air pollution. (**Refer to Exhibit 4**) Therefore, the project is in compliance with Clean Air Act.
16.2. Coastal Zone Management Coastal Zone Management Act, sections 307(c) & (d)	Yes ☐ No ☒	This project site is located approximately **7,201.10 ft** from the coastal zone. The project site is well outside of the 1,000-meter boundary for the coastal zone. (**Refer to Exhibit 5**) Therefore, the project is in compliance with the Coastal Zone Management Act.
16.3. Contamination and Toxic Substances 24 CFR Part 50.3(i) & 58.5(i)(2)	Yes ☐ No ☒	A visit was made to the project on March 3, 2024 (see field visit sheet in Exhibit 6 for details), where Paseo de Diego, Calle de Diego and Calle Del Carme were visited. The visit was a reconnaissance of the area; however, no inspection was made exclusively to identify Toxics and Contaminants in the area. The platforms required by HUD Exchange, NEPAssist and UST Finder were used. According to NEPAssist Report (04/09/25), **22 (RCRA)** Hazardous Waste and **3 (NPDES)** Water Discharge are identified in a buffer of 3,000 ft (0.5 mi) at the project site coordinates. No presence of Toxic Release (TRI), Superfund (NPL & SAA) or Brownfields (ACRES) operations are within the project or located in a 3,000 ft radius (0.5 miles), in addition in this buffer there are no presence of Ozone, Lead, SO2,

		PM2.5, PM10, CO, NO2 sites or emission facilities. (For detail refer to reports and table that summarize those facilities, attached in Exhibit 6) Exchange and their guidelines, but no contamination and toxic substances are identified in the property, please refer to **Exhibit 6** for map and details. ***Radon*** Reports for the projects do not include any buildings, as HUD's radon regulations (CPD 23-103) are only applicable to occupied buildings, these regulations are not applicable to this project. ***Asbestos and Lead Studies*** For this project, asbestos and lead studies were performed and are included in Exhibit 6 attached to this report. *Asbestos-Containing Material Survey* Nortol Environmental & Occupational Safety, Inc. In August 2023, the survey was conducted exclusively for Paseo de Diego and Calle de Diego and the report included in the *Exhibit 6* concluded that Nortol did not identify SACM at the referenced structure, hence no bulk samples were collected and/or sent to the laboratory for analysis. In addition, no suspect material was observed during the visual assessment that needed to be assumed as ACM. Any conditions or materials that could not be visually identified or were out-of-the SOW, were not inspected and may differ from those conditions or materials noted. It was not within the scope of the activity to remove

		surface materials to investigate portions of the structure or materials that may lay beneath the surface. Nortol's selection of sample locations and frequency of sampling was based on Nortol's observations and the assumption that similar materials in the same area are homogeneous in content. The report is designed to aid the building owner, architect, construction manager, general contractors, and potential asbestos or lead abatement contractors in locating ACM. In addition, Nortol Environmental & Occupational Safety, Inc. conducted an ACM visual inspection on June 24, 2025, for Del Carmen Street and provide report and certification was attached on Exhibit 6 for the environmental project. Nortol did not identify SACM at the referenced structure, hence no bulk samples were collected and/or sent to the laboratory for analysis. *LBP Limited Survey* Nortol Environmental & Occupational Safety, Inc. conducted a Lead-Based Paint Limited Survey on August 2023 for Paseo de Diego and Calle de Diego and the report included in the Exhibit 6 concluded that LBP or lead-glaze was not identified above the regulatory level of 1.0 mg/cm2 at the subject structure. In addition, lead containing ceramic components were not identified to contain lead above the regulatory level. There was no paint chips collected since there were no inconclusive amounts.

		As discussed with Nortol Environmental & Occupational Safety, Inc. the company that conducted the Lead Paint and asbestos in the site, the new direct-reading portable XRF instruments for lead in paint used by the office and some other peer companies, do not require inconclusive correction (EPA/HUD Compliant XRF for lead paint featuring a Performance Characteristic Sheet with no inconclusive range). The Action Level established in the Performance Characteristic Sheet is 1.0 mg/cm2 (which is equal to the current limit for defining lead-based paints), so the instrument's own operating system classifies readings as negative when <1.0 mg/cm2 and positive when >1.0 mg/cm2. The Nortol Environmental & Occupational Safety, Inc. report in the informative tables section provides information in the PCS that refers to the limits for calibration readings and must be between 0.8 and 1.2 mg/cm2 (inclusive) to be in compliance. In this case, all calibration readings were within the limit, so the instrument was fit for operation. In addition, Nortol Environmental & Occupational Safety, Inc. conducted an Lead-Based Paint Limited inspection on June 24, 2025, for Del Carmen Street and provide report and certification was attached on Exhibit 6, no Lead-Based Paint (LBP) or Asbestos-Containing Materials (ACM) were identified in any of the project areas, including Paseo De Diego, Calle De Diego, and Calle Del Carmen.

		UST's Report In addition, no leaking USTs were identified in the work area; At the same time, we were using the UST Finder platform: (https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=b03763d3f2754461adf86f121345d7bc&extent=-7356150.2198%2C2082952.021%2C-7349624.4085%2C2085851.8508%2C102100) where no direct risk point to the project is registered, also attached is the report and map provided by this platform. (**Refer to Exhibit 6**) Therefore, the project is in compliance with the 24 CFR Part 50.3(i) & 58.5(i)(2).
16.4. Endangered Species Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402	Yes ☐ No ☒	A consultation between agencies was completed with USFWS to obtain the Blanket Clearance Letter. A Self- Certification cons package was submitted on October 3, 2024. On October 17, 2024, Damaris Román Ruíz reviewed the package and on October 31, 2024, Lourdes Mena (Caribbean ES Field Supervisor), notified that the proposed project qualifies for the Blanket clearance letter. Nevertheless, if the project is modified FWS Offices need to be notified. "The project complies with following Project Criteria of the blanket clearance letter (BCL): 1 – Street resurfacing, 2 – construction of gutters and sidewalks along existing roads, and 7 – activities within existing right-of-way of roads, bridges, and highways. The Puerto Rican Boa is potentially present in all areas of PR. Should a PR Boa be encountered, all construction activities will

		stop until the Boa has moved off or, if not moving, the Department of Natural and Environmental Resources (DNER) has to be contacted, and they remove the Boa. **(Refer to Exhibit 7)** Therefore, the project is in compliance with the Endangered Species Act. Section 7; 50 CFR Part 402.
16.5. Explosive and Flammable Hazards 24 CFR Part 51 Subpart C	Yes ☐ No ☒	In accordance with the 24 CFR 51.201 below which defines a HUD-assisted project for which an AST analysis is required: HUD assisted project: the development, construction, rehabilitation, modernization or conversion with HUD subsidy, grant assistance, loan, loan guarantee, or mortgage insurance, of any project which is intended for residential, institutional, recreational, commercial or industrial use. For purposes of this subpart the terms "rehabilitation" and "modernization" refer only to such repairs and renovation of a building or buildings as will result in an increased number of people being exposed to hazardous operations by increasing residential densities, converting the type of use of a building to habitation, or making a vacant building habitable. As Paseo de Diego involves the rehabilitation of a roadway and not of a building, an investigation of ASTs is not required. Therefore, the project is in compliance with 24 CFR Part 51 Subpart C.
16.6. Farmlands Protection	Yes No	The project is on non-prime farmland; no consultations are required. A farmland

Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658	☐ ☒	classification map showing the proposed site is not on prime farmland. Refer to Exhibit 9 for soil report and details. (https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx) (**Refer to Exhibit 9**) Therefore, the project is in compliance with Farmland Protection Policy Act, Section 1504 (b) and 1541; 7 CFR Part 658.
16.7. Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55	Yes No ☐ ☒	According to the FIRM Panel (Panel 72000C0370J, Effective Date: November 18, 2009), part of the project site is located within Zone X. Zone X is area outside the 500-year floodplain. Based on the Advisory Base Flood Elevation (ABFE) data (as of October 18, 2024), the project site is located within Zone X. Separately, there is no Preliminary Flood Insurance Rate Map (PFIRM) information available for the project area. The project will not undergo activities within a floodplain.

		(**Refer to Exhibit 10**) Therefore, the project is in compliance with the Executive Order 11988, particularly section 2(a); 24 CFR Part 55 as amended by EO13690.
16.8. Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	Yes ☒ No ☐	The Section 106 form was prepared by SOI-Qualified Architect/Architectural Historian Heidi J. Dilan (edited by Jorge Lizardi Pollack) and SOI-Qualified Archaeologist Maritza Torres Martinez (edited by Jesus E. Vega). The Section 106 analysis determined that project actions will directly and indirectly affect the historic properties that compose the Area of Potential Effects. However, the analysis concluded that the proposed project will have a No Adverse Effect due to design plans that respect the historic character of the Río Piedras Traditional Urban Center and by providing an Archaeological Monitoring Plan approved by the Puerto Rico State Historic Preservation Office (PRSHPO) that will be implemented by an SOI-Qualified Archaeological Monitor during all proposed ground-disturbing activities. The Section 106 form was sent to SHPO on October 9, 2024, and SHPO concurred with the no adverse effect determination subject to archaeological monitoring on November 8, 2024. The archaeological monitoring plan was submitted to SHPO on January 16, 2025,

		and SHPO deemed the plan acceptable on January 28, 2025. 1) An Archaeological Monitoring Plan for the rehabilitation of Paseo de Diego and José de Diego Avenue (State Road PR-47) must be submitted and approved by the Puerto Rico State Historic Preservation Office PRSHPO) and implemented by an SOI-Qualified Archaeological Monitor during all proposed ground-disturbing activities from Zone 1 to Zone 4 given the potential for intact deposits and overall sensitivity of the Río Piedras Traditional Urban Center. **On January 16, 2025**, Laura Bair Poche (HORNE) submitted to PRSHPO the request Archaeological Monitoring and Protection Plan for review. **On January 28, 2025** (PRSHPO) the Execute Director, Carlos A. Rubio Cancela notified that the plan is deemed acceptable. **Historic Data (Section 106, Exhibit 11)** Río Piedras was an ancient municipality, today it is a neighborhood of San Juan, it has played an important role in the development of transportation, education and commerce in the country. In 1647 there was already a hermitage (wooden ranch) dedicated to Nuestra Señora del Pilar in the area called El Roble. In 1714 the town of Río Piedras was founded around this hermitage. In 1759, in a memoir addressed to the king of Spain, López de Haro wrote that Río Piedras

		was commanded by a "war commander" with 46 soldiers, who had a priest or clergyman, like other towns. He added that Río Piedras is over 110 years old. Already in the 20th century, student access to the buildings of the University of Puerto Rico was very dangerous, crossing Avenida Gándara. The transport only reached the public square of Río Piedras and they had to walk approximately 400 meters to the university buildings with the danger of crossing Avenida Gándara. The railway passed through Gándara Avenue. In 1958 the Henry Klumb Bridge was built for the passage of students and other public to other buildings of the University of Puerto Rico. The Klumb Bridge stands near the west start of Avenida Gándara in Río Piedras. German architect, Henry Klumb, designed it in 1957 as a pedestrian connector between the Río Piedras campus of the University of Puerto Rico and the Río Piedras neighborhood located south of Avenida Gándara, which is the road limit shared by both areas (Gulik, 2006). (**Refer to Exhibit 11**) Therefore, the project is in compliance with National Historic Preservation Act, Section 106 and 110; 36 CFR Part 800.
16.9. 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 proposed project consists of the rehabilitation and improvement of existing roadways and pedestrian infrastructure along De Diego Street (PR-47), Del Carmen Street, and Paseo de Diego in the urban center of Río Piedras, San Juan. The project

		scope includes pavement rehabilitation, sidewalk widening, pedestrian safety enhancements, lighting upgrades, urban furniture installation, and reforestation activities. This project does not involve the construction of new buildings or structures intended for noise-sensitive use, such as housing, schools, or hospitals. Additionally, it does not introduce any new or expanded use of the site that would increase residential exposure to noise. All improvements are limited to existing public right-of-way areas and do not alter the land use or function of the corridor. 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.
16.10. Sole Source Aquifers Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149	Yes ☐ No ☒	According to EPA Sole Source Aquifers Program - Region 2, the designated sole source aquifers in this region is located in Florida **(1,028.9 miles**). Therefore, this project site and the entire island of Puerto Rico are exempt from any potential impact to any EPA aquifers. Therefore, the project is in compliance with this citation. (**Refer to Exhibit 13**)

		Therefore, the project is in compliance with the safe Drinking Water Act, Section 1424 (e); 40 CFR Part 149.
16.11. Wetlands Protection Executive Order 11990, particularly sections 2 and 5	Yes ☐ No ☒	There are no wetlands on the project site based on an onsite evaluation and according to the National Wetlands Inventory of the U.S. Fish and Wildlife Service, the two nearest wetlands are identified as Riverine at approximately 460 ft and 600 ft from Freshwater Forested/Shrub Wetland. The project complies with executive order 11990. **(Refer to Exhibit 14)** Therefore, the project is in compliance with Executive Order 11990.
16.12. Wild and Scenic Rivers Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	Yes ☐ No ☒	Based on the U.S. Fish and Wildlife's National Wild and Scenic Rivers System, Puerto Rico have three rivers designated as wild and scenic, the project is located at approximately **94,700 ft** of distance. All three rivers are located inside the premises of El Yunque National Forest. Therefore, there are no river segments identified as wild and scenic in the vicinity of the project site. (**Refer to Exhibit 15**) Therefore, the project is in compliance with Wild and Scenic Rivers Act.

17. Field Inspection (Date and completed by)**:**
(Attach a copy of the field inspection report with photos and environmental observations)
Several field visits and inspections have been done:

- August 3 & 4, 2023- Lead and Asbestos Study
- Sept 26 to Oct 6-2023- Geotechnical Study
- Sept 8, 2023, Site evaluations- Olga Angueira (Luis Galarza

- Oct 18, 2023 -Documentation of site existing conditions
- December 5, 2023- Olga Angueira and Carlos Gallardo, Arborist-Tree Inventory
- May 2024- Walk through with Arq. Luis Yordan (MSJ), Arq.Luis Galarza and Arq. Psj. Olga Angueira
- March 2024-Marilyn Oliveras Civil Engineer
- Agosto 2024- Landscape Architect, Olga Angueira and Alexandra Colon-GIS Specialitst -360 photographic documentation.
- October 2024- Civil Team- Miriam Vargas and Solimar Vázquez
- June 24, 2025- Lead and Asbestos Study, Nortol Environmental & Occupational Safety, Inc

18. Summary of Findings and Conclusions:

(Identify below the main points of analysis in the Environmental Assessment. The summary should include any potential impacts of the proposed project, both beneficial and potentially adverse. The summary must also discuss any changes to the proposal necessary to avoid significant impacts.).

The main items of analysis in the environmental evaluation are impact on air quality, impact on bodies of water (wetlands), impact on soil and vegetation, impact on landscape and aesthetics, impacts on fauna, impacts on human health, social and cultural impacts. From the site visits we did not observe any hazard or dangerous findings. The project area is currently in partial use, mostly commercial activities. The area is run down, dirty, with damaged road and sidewalk pavements, broken or damaged urban furniture and abandoned structures. The main goal of the project is to enhance and rehabilitate the area to improve its uses and allow for new businesses and increase residential population in the surrounding areas.

In general, the proposed project will not cause any adverse impact on any of the items mentioned above. The project is not in immediate proximity to any bodies of water and a stormwater management system will be implemented through the design of bioswales and rain gardens along the road. Air quality will be enhanced with the addition of new vegetation which will also provide shade and a more comfortable and welcoming environment in the area. With this the project will promote a healthier environment and provide areas of social interaction and cultural events.

Most of the existing vegetation will remain and enhance with larger areas for healthier growth. The additional vegetation and planting areas will also enhance the fauna of the zone, attracting birds and other pollinators which are so important for the environment. The impact on the landscape and aesthetics of the area is one of the most important aspects of the project since the existing condition of the road and sidewalks will be modified to create a more attractive area for pedestrian use, cyclists and vehicles. Parallel to this point,

the social character of the area after the project is completed is expected to achieve a positive cultural and social interaction enhancing a sense of community.
As presented in the Compliance with 24 CFR 50.4, 58.5, and 58.6 Laws and Authorities table, the historical scope is the only one that might need to be mitigated. SHPO was consulted and they stated that the project has no adverse effect on the proposed undertaking, based on the conditions proposed: An archeological Monitoring Plan for the rehabilitation of Paseo de Diego and José De Diego Avenue must be submitted and approved ty the PRSHPO and implemented by an SOI-Qualified Archeological Monitor during all proposed ground-disturbing activities form Zone 1 to Zone 4 given the potential for intact deposits and overall sensitivity of the Rio Piedras Traditional Urban Center. Such plan was submitted on January 16, 2025, by PRDOH and approved by PRSHPO on January 28, 2025. The project will not impact any building or historic structure found in the area. No significant changes or adverse impact will be made to the environmental items present in the project.

19. 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.
The project is currently being evaluated for agencies' final endorsement, initial recommendations were received and were implemented on the final design package.

Law, Authority, or Factor	Mitigation Measure
24 CFR Part 50.3(i) & 58.5(i)(2)	No leaking USTs were identified in the work area. If any findings arise during the rehabilitation process, the situation will be addressed in accordance with local and federal regulations.
Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402	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) 724-700, (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.
National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	The project includes the implementation of archaeological mitigation measures consistent with the approved Archaeological Monitoring Plan. The plan was submitted to PRSHPO for review on January 16, 2025, and on January 28, 2025 the Executive Director, Carlos A. Rubio Cancela, confirmed that the plan is acceptable. These measures ensure adequate protection, documentation, and management of any archaeological resources that may be encountered during construction activities.
Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B	BMP's: High noise tasks generated by machinery, site vehicles, and demolition activities will be limited to daytime hours whenever possible.
Clean Air Act, as amended, particularly section 176 (c) & (d); 40 CFR Part 6, 51, 93	BMP's: During demolition and construction process it is recommended to implement dust control practices like water sprays and covering materials. Proper maintenance of construction of construction vehicles and proper storage of materials and cleaning up debris to minimize airborne pollutants. The project includes bioswales and new green areas as well as new tree planting to help mitigate high temperatures and collect stormwater runoff.

Permits and Regulations

The project will comply with all applicable local, state, and federal regulations and requirements.

ITEM	PERMIT NUMBER	PERMIT/ENDORSEMENT DESCRIPTION
1	2023-517507-DEC-126624	Environmental Compliance
2	2023-517507-SRA-077059	Archeological recommendation

3	2023-517507-SRA-300081	Archeological recommendation	
4	2023-517507-SRI-077057	Initial Recommendation -NET	
5	2023-517507-SRI-077058	Initial Recommendation -DTOP	
6	2023-517507-SRI-077055	Initial Recommendation -LUMA	
7	2023-517507-SRI-077056	Initial Recommendation- ACT	
8	2023-517507-SRI-077054	Initial Recommendation-AAA	
9	2023-517507-SRM-077060	Environmental Recommendation	
10	2023-517507-SRI-318513	Endorsement request LUMA Connection Point 1	
11	2023-517507-SRI-318514	Endorsement request LUMA Connection Point 2	
12	2023-517507-SRI-318643	3rd Endorsement request - ACT	
13	2023-517507-PCOC-319731	Construction Permit	

20. 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: Olga E Angueira

Date: 12 /08 / 2025

Name/Title/Organization: Olga E. Angueira/ Senior Landscape Architect/ Integra Design Group

Certifying Officer Signature: Limary Vélez Marrero

Digitally signed by Limary Vélez Marrero
Date: 2025.12.08 16:03:05 -04'00'

Date: 12 / 8 / 2025

Name/Title:

Limary Vélez Marrero / Permits 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).

Project Information

Paseo de Diego
(PR-CRP-000956)

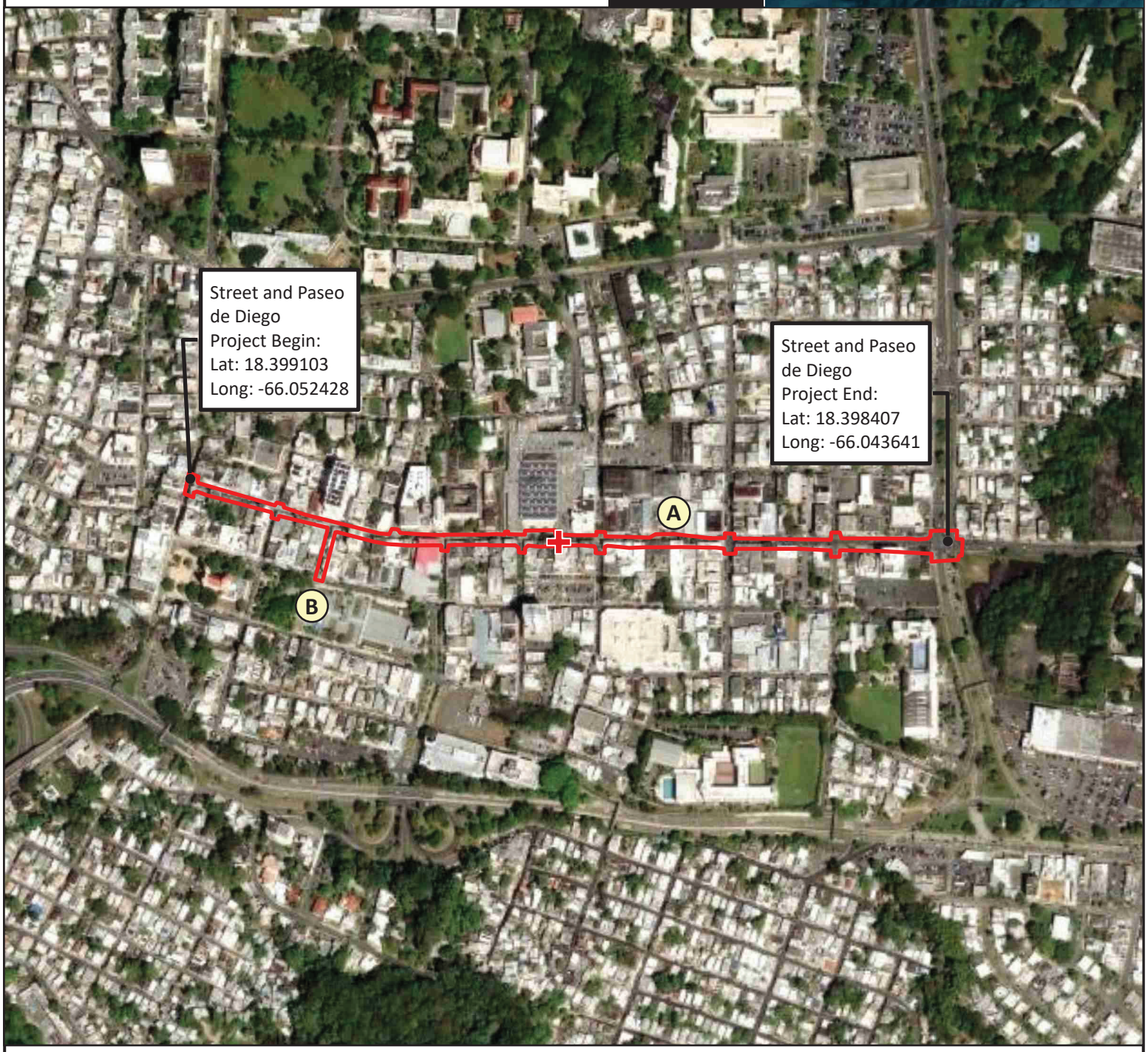
Integra Design Group, PSC
576 Avenida Arterial B, Suite 102 — Hato Rey, Puerto Rico
PO Box 195488 San Juan, PR 00919
787-767-2111
www.integrapr.com

Aerial Photo - (PR-CRP-000956)

Address: Río Piedras ward between the Juan Ponce de León Avenue and Barbosa Avenue in San Juan, Puerto Rico

Coordinates: 18.398447, -66.048053 (WGS 1984)

INTEGRA DESIGN GROUP PSC
(787) 767 2111 www.integrapr.com



Project Site Boundary

Project Site Coordinates

A Street and Paseo de Diego

B Del Carmen St.

N

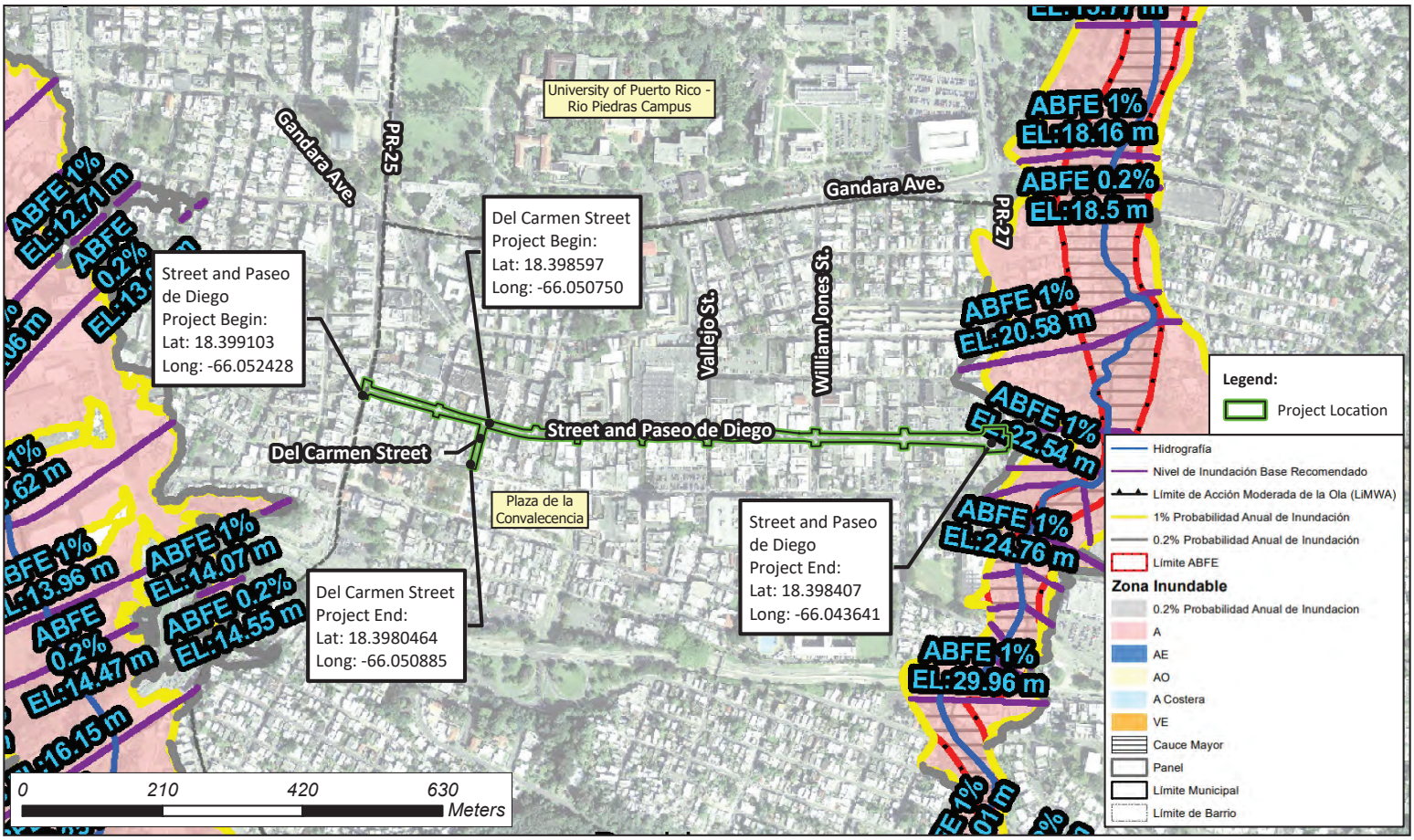
Scale: 1:7,000

1 inch equals 0 miles

0 0.09 0.17 Miles

Spatial Reference:
NAD 1983 StatePlane Puerto Rico Virgin Islands FIPS 5200

Sources: Google Earth. Earthstar Geographics, Maxar.



City Revitalization Program - Paseo de Diego (CRP-000956)

San Juan, Puerto Rico

INTEGRA DESIGN GROUP PSC
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FEMA Flood Map

Flood Zone Classification: X
FEMA Map Number: 72000C0370J
FEMA Effective Date: APR 13, 2018

SHEET INFORMATION	
DATE SUBMITTED: 1/17/2024	PROJECT NO. CRP-000956
SCALE: 1:8,000	DESCRIPTION FEMA FLOOD MAP

Location Photo - (PR-CRP-000956)

Address: Río Piedras ward between the Juan Ponce de León Avenue and Barbosa Avenue in San Juan, Puerto Rico

Coordinates: 18.398447, -66.048053 (WGS 1984)

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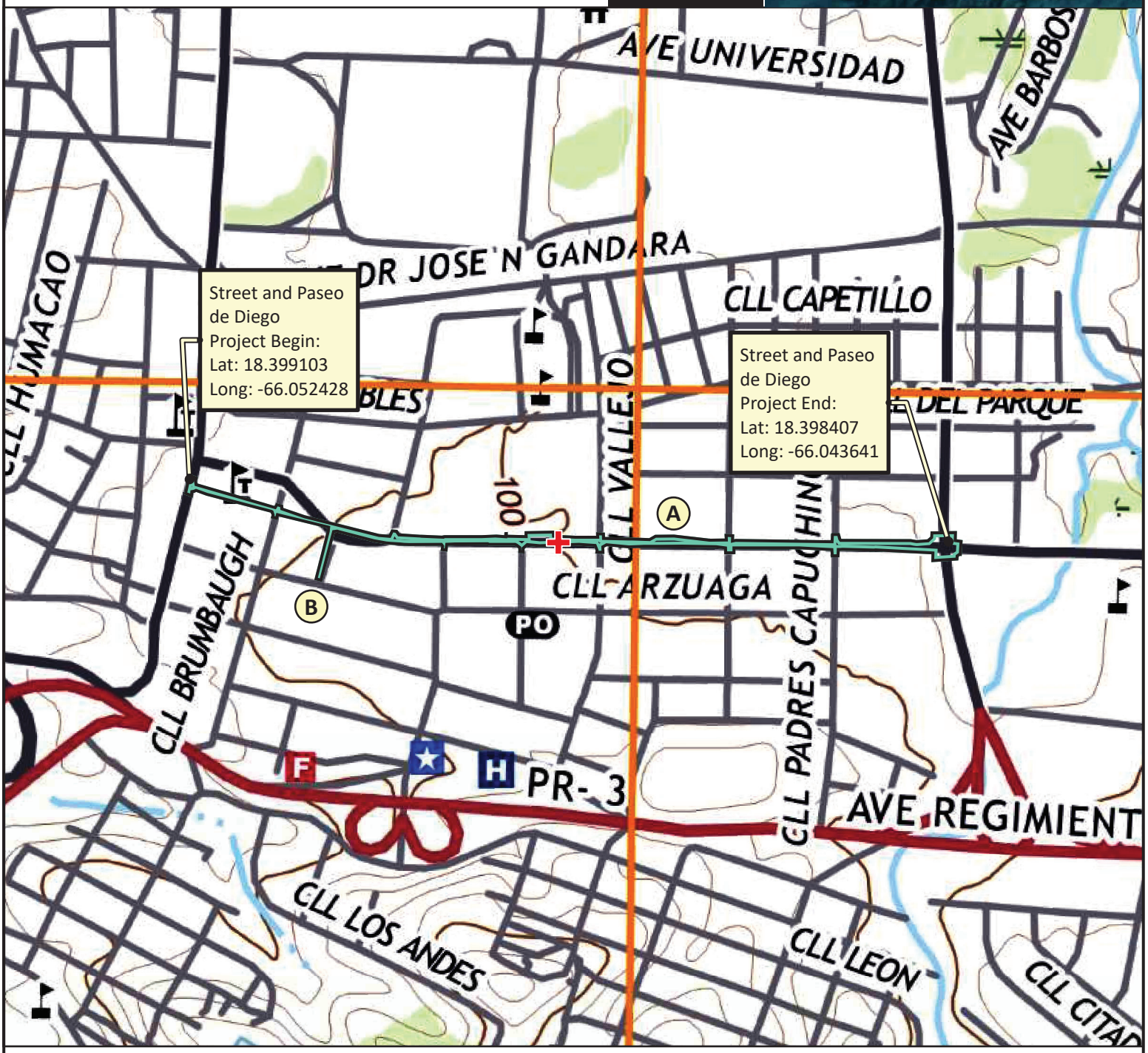

Project Site Boundary

Project Site Coordinates

A Street and Paseo de Diego

B Del Carmen St.

N

Scale: 1:7,000

1 inch equals 0 miles

0 0.09 0.17 Miles

Spatial Reference:
NAD 1983 StatePlane Puerto Rico Virgin Islands FIPS 5200

Sources: https://ngmdb.usgs.gov/topoview/viewer/#13/18.3984/-66.0480

EXHIBIT | 01

Airport Hazard

Paseo de Diego

(PR-CRP-000956)

INTEGRA

Integra Design Group, PSC
576 Avenida Arterial B, Suite 102 — Hato Rey, Puerto Rico
PO Box 195488 San Juan, PR 00919
787-767-2111
www.integrapr.com

Airport Hazards (Civilian Runway) - (PR-CRP-000956)

Address: Río Piedras ward between the Juan Ponce de León Avenue and Barbosa Avenue in San Juan, Puerto Rico

Coordinates: 18.398447, -66.048053 (WGS 1984)

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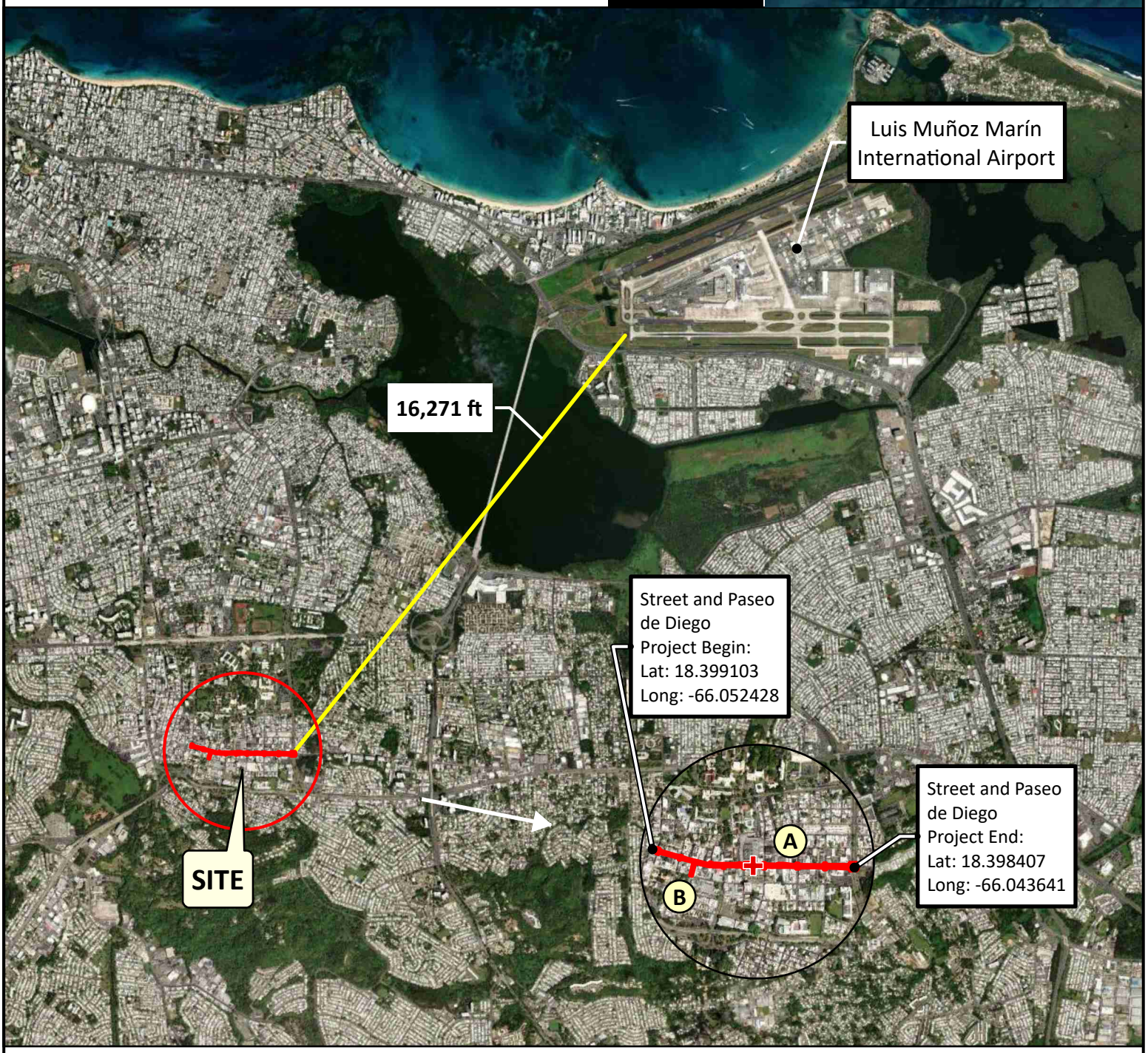

- Project Site Boundary
- Project Site Coordinates
- Distance to Civilian Runway
- A — Street and Paseo de Diego
- B — Del Carmen St.

N

Scale: 1:52,000

1 inch equals 1 miles

0 0.6 1.2 Miles

Spatial Reference:
NAD 1983 StatePlane Puerto Rico Virgin Islands FIPS 5200

Sources: Google Earth. Earthstar Geographics, Maxar.

Airport Hazards (Military Runway) - (PR-CRP-000956)

Address: Río Piedras ward between the Juan Ponce de León Avenue and Barbosa Avenue in San Juan, Puerto Rico

Coordinates: 18.398447, -66.048053 (WGS 1984)

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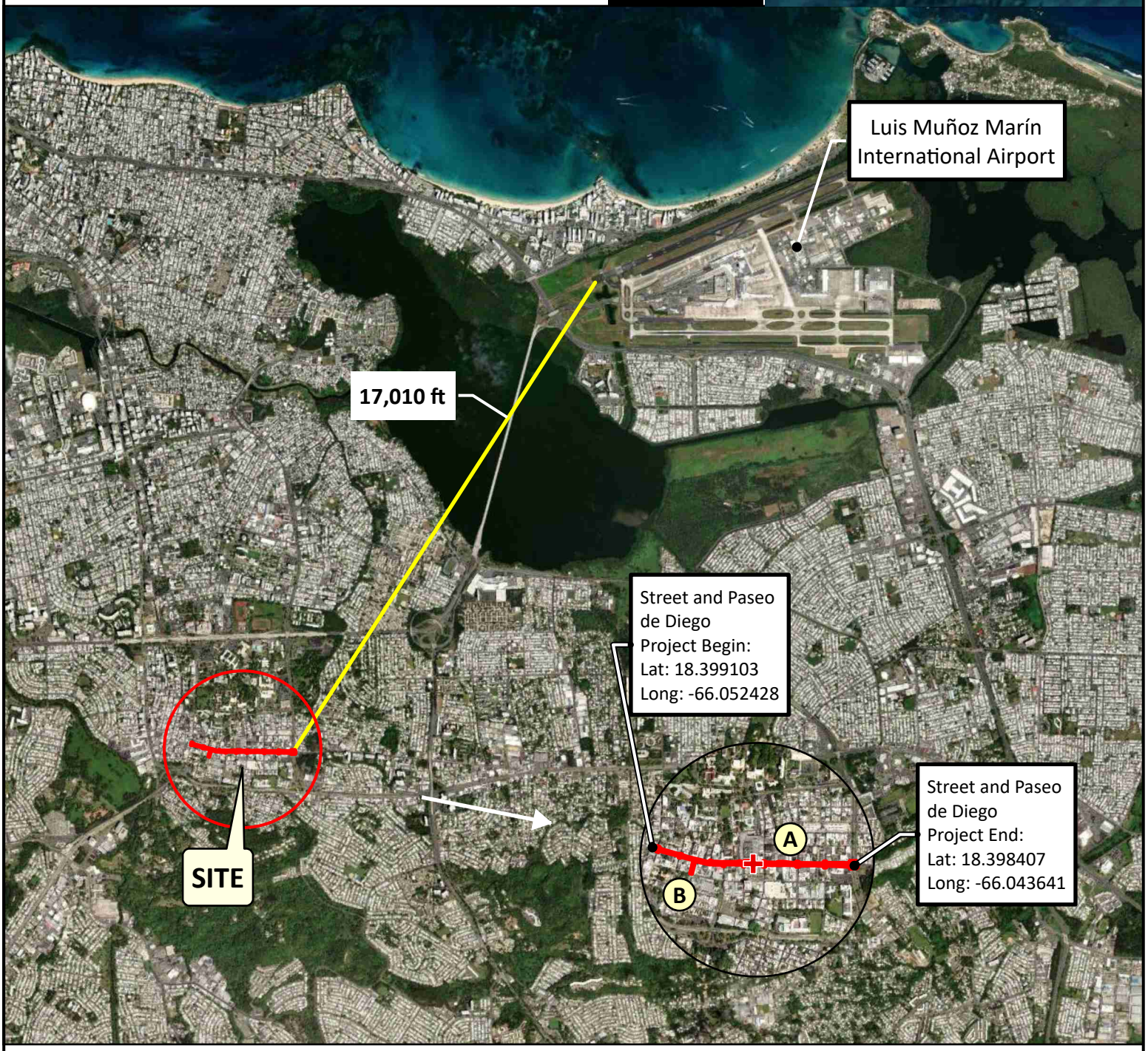

Project Site Boundary
Project Site Coordinates
Distance to Military Runway
A Street and Paseo de Diego
B Del Carmen St.

N

Scale: 1:52,000

1 inch equals 1 miles

0 0.6 1.2 Miles

Spatial Reference:
NAD 1983 StatePlane Puerto Rico Virgin Islands FIPS 5200

Sources: Google Earth. Earthstar Geographics, Maxar.

EXHIBIT | 02

Coastal Barrier Resources

Paseo de Diego St. Rehabilitation

(PR-CRP-000956)

INTEGRA

Integra Design Group, PSC
576 Avenida Arterial B, Suite 102 — Hato Rey, Puerto Rico
PO Box 195488 San Juan, PR 00919
787-767-2111
www.integrapr.com

John H. Chafee Coastal Barrier Resources System - (PR- CRP-000956)

Address: Río Piedras ward between the Juan Ponce de León Avenue and Barbosa Avenue in San Juan, Puerto Rico

Coordinates: 18.398447, -66.048053 (WGS 1984)

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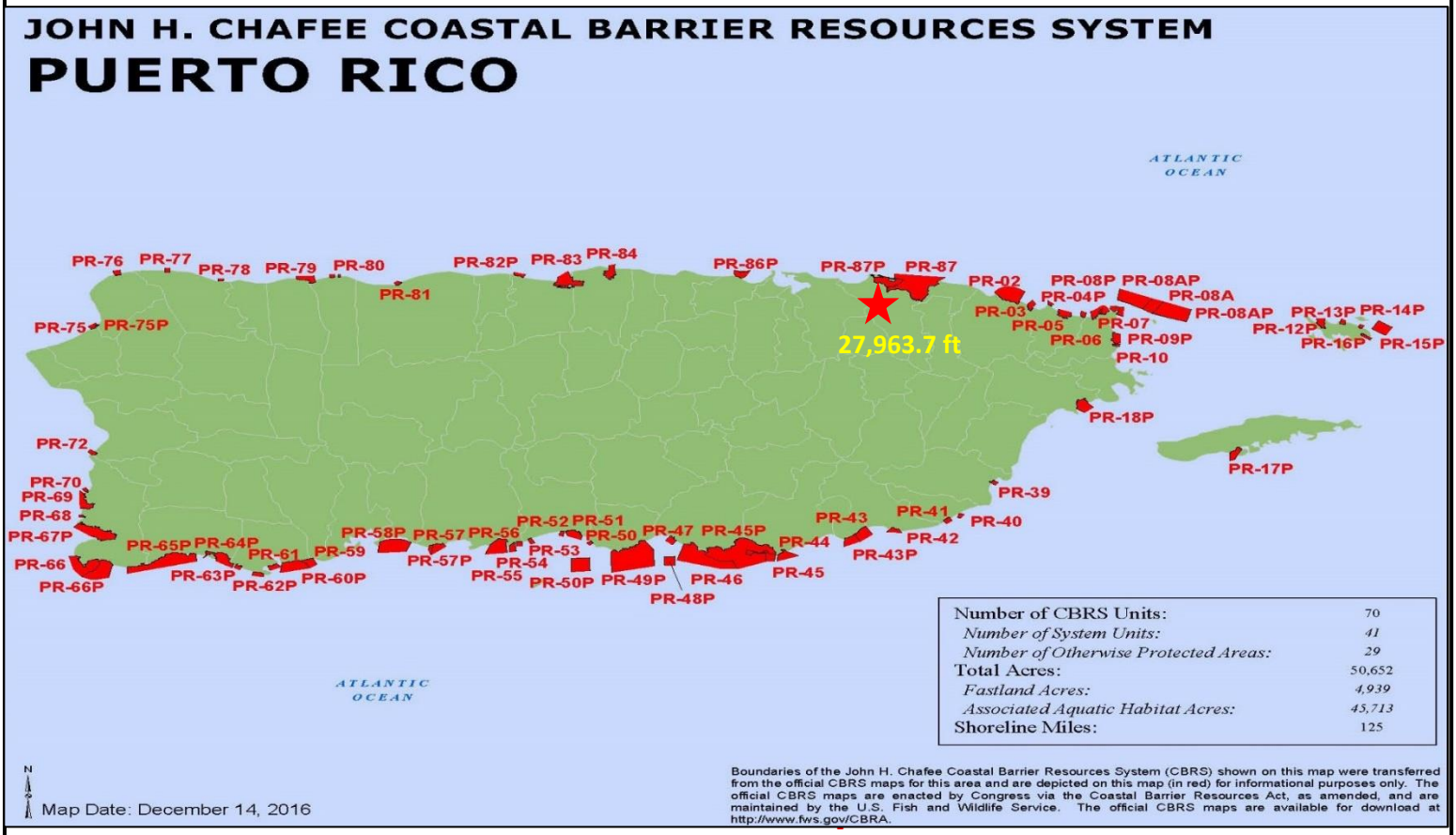


NOT TO SCALE

LEGEND:

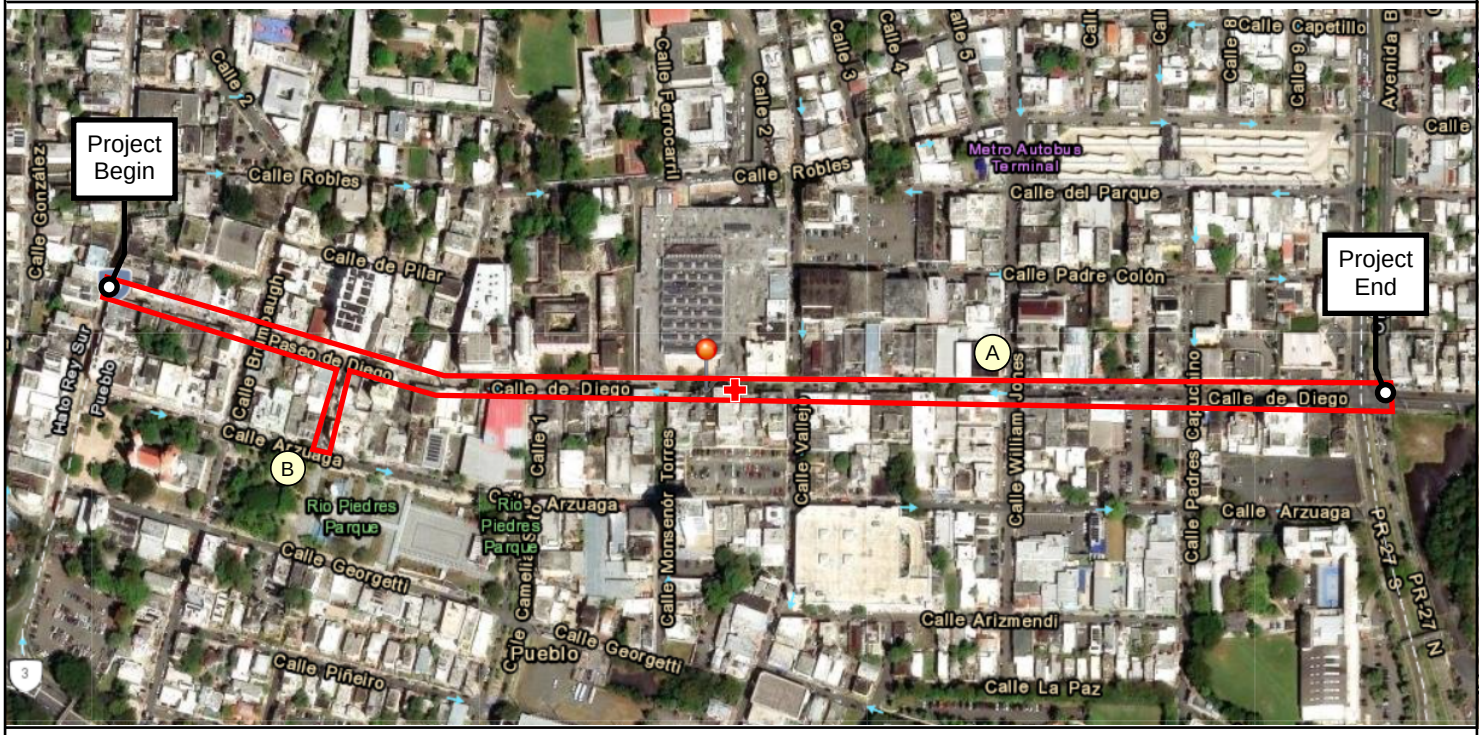
Project Location

Spatial Reference: Not Specified

Source: https://www.fws.gov/cbra/maps/locator/PR.pdf

U.S. Fish and Wildlife Service - Paseo de Diego (PR-CRP-000956)

Coastal Barrier Resources System Mapper Documentation



CBRS Units

- Otherwise Protected Area
- System Unit
- CBRS Buffer Zone
- **Project Site Coordinates:** 18.398447, -66.048053
- Project Site Boundary
- Project Site Coordinates
- A Street and Paseo de Diego
- B Del Carmen St.

0 65 130 260 390 ft

1:4,514

Project Begin:
Lat.: 18.399103
Long: -66.052428

Project End:
Lat.: 18.398407
Long: -66.043641

Address: Río Piedras ward between the Juan Ponce de León Avenue and Barbosa Avenue in San Juan, Puerto Rico

The pin location displayed on the map is a point selected by the user. Failure of the user to ensure that the pin location displayed on this map correctly corresponds with the user supplied address/location description below may result in an invalid federal flood insurance policy. **The U.S. Fish and Wildlife Service (Service) has not validated the pin location with respect to the user supplied address/location description below. The Service recommends that all pin locations be verified by federal agencies prior to use of this map for the provision or denial of federal funding or financial assistance** . Please note that a structure bisected by the Coastal Barrier Resources System (CBRS) boundary (i.e., both "partially in" and "partially out") is within the CBRS and therefore affected by CBRA's restrictions on federal flood insurance. A pin placed on a bisected structure must be placed on the portion of the structure within the unit (including any attached features such as a deck or stairs).

User Name: Paseo de Diego (PR-CPR-000956)
User Organization: Integra Design Group PSC
User Supplied Address/Location Description: Río Piedras ward between the Juan Ponce de León Avenue and Barbosa Avenue in San Juan, Puerto Rico
Pin Location: Outside CBRS
Pin Flood Insurance Prohibition Date: N/A
Pin System Unit Establishment Date: N/A

The user placed pin location is not within the CBRS. The official CBRS maps are accessible at https://www.fws.gov/library/collections/official-coastal-barrier-resources-system-maps .

The CBRS information is derived directly from the CBRS web service provided by the Service. This map was exported on 9/05/2023 and does not reflect changes or amendments subsequent to this date. The CBRS boundaries on this map may become superseded by new boundaries over time.

This map image may be void if one or more of the following map elements do not appear: basemap imagery, CBRS unit labels, prohibition date labels, legend, scale bar, map creation date. For additional information about flood insurance and the CBRS, visit: https://www.fws.gov/node/263838 .

Spatial Reference:
NAD83 (4269)

Sources: https://fwsprimary.wim.usgs.gov/CBRSMapper-v2/

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U.S. Fish and Wildlife Service
Coastal Barrier Resources System

Paseo de Diego (PR-CRP-000956)

Address: Río Piedras ward between the Juan Ponce de León Ave. and Barbosa Ave. in San Juan, Puerto Rico
Coordinates: 18.398447, -66.048053 (WGS 1984)

September 5, 2023

N

CBRS Buffer Zone

CBRS Units

Otherwise Protected Area

System Unit

Project Begin:
Lat.: 18.399103
Long: -66.052428

Project End:
Lat.: 18.398407
Long: -66.043641

This map is for general reference only. The Coastal Barrier Resources System (CBRS) boundaries depicted on this map are representations of the controlling CBRS boundaries, which are shown on the official maps, accessible at https://www.fws.gov/library/collections/official-coastal-barrier-resources-system-maps. All CBRS related data should be used in accordance with the layer metadata found on the CBRS Mapper website. The CBRS Buffer Zone represents the area immediately adjacent to the CBRS boundary where users are advised to contact the Service for an official determination (https://www.fws.gov/service/coastal-barrier-resources-system-property-documentation) as to whether the property or project site is located "in" or "out" of the CBRS.

CBRS Units normally extend seaward out to the 20- or 30-foot bathymetric contour (depending on the location of the unit). The true seaward

Spatial Reference: NAD 83 (4269)
Sources: https://fwsprimary.wim.usgs.gov/CBRSMapper-v2/

This page was produced by the CBRS Mapper

Coastal Barrier Resources System Units by County

State	County	Unit Number	Unit Name
Alabama	Baldwin	AL-01P	Perdido Key
Alabama	Baldwin	AL-02P	Gulf Park
Alabama	Baldwin	AL-03	Skunk Bayou
Alabama	Baldwin	AL-04P	Cypress Point
Alabama	Mobile	AL-05P	Alligator Lake
Alabama	Baldwin	Q01	Mobile Point
Alabama	Mobile	Q01A	Pelican Island
Alabama	Baldwin	Q01P	Mobile Point
Alabama	Mobile	Q02	Dauphin Island
Alabama	Mobile	Q02P	Dauphin Island
Connecticut	New London	CT-00	Barn Island
Connecticut	New London	CT-01	Mason Island
Connecticut	New London	CT-02	Bluff Point
Connecticut	New London	CT-02P	Bluff Point

Help improve this site

State	County	Unit Number	Unit Name
North Carolina	Carteret	NC-04P	Fort Macon
North Carolina	Carteret	NC-05P	Roosevelt Natural Area
North Carolina	Carteret, Onslow	NC-06P	Hammocks Beach
North Carolina	New Hanover, Brunswick	NC-07P	Cape Fear
Ohio	Lake	OH-01	Arcola Creek
Ohio	Lake	OH-02	Mentor
Ohio	Erie	OH-03	North Pond
Ohio	Erie	OH-04	Old Woman Creek
Ohio	Erie	OH-05	Sheldon Marsh
Ohio	Ottawa	OH-06	Bay Point
Ohio	Ottawa	OH-07	Middle Bass Island
Ohio	Ottawa	OH-08	North Bass Island
Ohio	Ottawa	OH-09	Fox Marsh
Ohio	Ottawa	OH-10	Toussaint River
Puerto Rico	Rio Grande	PR-02	Ensenada Comezon
Puerto Rico	Rio Grande, Luquillo	PR-03	Rio Mameyes
Puerto Rico	Luquillo	PR-04P	Punta la Bandera
Puerto Rico	Luquillo	PR-05	Luquillo Spit

Help improve this site

State	County	Unit Number	Unit Name
Puerto Rico	Luquillo	PR-06	Juan Martin Spit
Puerto Rico	Fajardo	PR-07	Laguna Aquas Prietas
Puerto Rico	Fajardo	PR-08A	La Cordillera
Puerto Rico	Fajardo	PR-08AP	La Cordillera
Puerto Rico	Fajardo	PR-08P	Cabo San Juan
Puerto Rico	Fajardo	PR-09P	Rio Fajardo
Puerto Rico	Fajardo	PR-10	Punta Barrancas
Puerto Rico	Culebra	PR-12P	Playa Flamenco
Puerto Rico	Culebra	PR-13P	Playa Brava
Puerto Rico	Culebra	PR-14P	Playa Larga
Puerto Rico	Culebra	PR-15P	Isla Culebrita
Puerto Rico	Culebra	PR-16P	Puerto del Manglar
Puerto Rico	Vieques	PR-17P	Ensenada Sombe
Puerto Rico	Naguabo	PR-18P	Cayo Algodones
Puerto Rico	Yabucoa	PR-39	Puerto Yabucoa
Puerto Rico	Maunabo	PR-40	Punta Tuna
Puerto Rico	Maunabo	PR-41	Rio Maunabo
Puerto Rico	Patillas	PR-42	Punta Viento

Help improve this site

State	County	Unit Number	Unit Name
Puerto Rico	Arroyo, Patillas	PR-43	Punta Guilarte
Puerto Rico	Arroyo, Patillas	PR-43P	Punta Guilarte
Puerto Rico	Guayama	PR-44	Las Mareas
Puerto Rico	Guayama	PR-45	Bahia de Jobos
Puerto Rico	Guayama, Salinas	PR-45P	Bahia de Jobos
Puerto Rico	Salinas	PR-46	Cayos de Barca/Ratones Complex
Puerto Rico	Salinas	PR-47	Arenal
Puerto Rico	Salinas	PR-48P	Arrecife Media Luna
Puerto Rico	Santa Isabel	PR-49P	Punta Aguila
Puerto Rico	Santa Isabel	PR-50	Chardon
Puerto Rico	Juana Diaz	PR-50P	Cayo Berberia
Puerto Rico	Juana Diaz, Santa Isabel	PR-51	Rio Descalabrado
Puerto Rico	Juana Diaz	PR-52	Punta Pastillo
Puerto Rico	Juana Diaz	PR-53	Bajio de Marea
Puerto Rico	Ponce	PR-54	Rio Jacaguas
Puerto Rico	Ponce	PR-55	Isla del Frio
Puerto Rico	Ponce	PR-56	Punta Cabullones
Puerto Rico	Ponce	PR-57	Punta Cucharas

Help improve this site

State	County	Unit Number	Unit Name
Puerto Rico	Ponce	PR-57P	Punta Cucharas
Puerto Rico	Penuelas	PR-58P	Bahia de Tallaboa
Puerto Rico	Yauco, Guanica	PR-59	Punta Ballena
Puerto Rico	Guanica	PR-60P	Punta Jacinto
Puerto Rico	Guanica	PR-61	Ensenada las Pardas
Puerto Rico	Guanica	PR-62P	Punta Manglillo
Puerto Rico	Guanica	PR-63P	Cayo don Luis
Puerto Rico	Guanica, Lajas	PR-64P	Bahia Montalva
Puerto Rico	Lajas, Cabo Rojo	PR-65P	Isla Cueva/Guayacan
Puerto Rico	Cabo Rojo	PR-66	Cabo Rojo
Puerto Rico	Cabo Rojo	PR-66P	Cabo Rojo
Puerto Rico	Cabo Rojo	PR-67P	Bahia de Boqueron
Puerto Rico	Cabo Rojo	PR-68	Boca Prieta
Puerto Rico	Cabo Rojo	PR-69	Punta Carenero
Puerto Rico	Cabo Rojo	PR-70	Belvedere
Puerto Rico	Mayaquez	PR-72	Rio Guanajibo
Puerto Rico	Aguadilla	PR-75	Espinar
Puerto Rico	Aguadilla	PR-75P	Espinar

Help improve this site

State	County	Unit Number	Unit Name
Puerto Rico	Aguadilla	PR-76	Punta Agujereada
Puerto Rico	Isabela	PR-77	Bajura
Puerto Rico	Isabela	PR-78	Coto
Puerto Rico	Hatillo	PR-79	Penon Brusi
Puerto Rico	Hatillo	PR-80	Punta Maracayo
Puerto Rico	Arecibo	PR-81	Puerto de Arecibo
Puerto Rico	Manati	PR-82P	Punta Manati
Puerto Rico	Manati, Vega Baja	PR-83	Tortuguero
Puerto Rico	Vega Baja	PR-84	Punta Garza
Puerto Rico	Toa Baja	PR-86P	Punta Salinas
Puerto Rico	Carolina, Loiza	PR-87	Punta Vacia Talega
Puerto Rico	Loiza	PR-87P	Punta Vacia Talega
Rhode Island	Newport	D01	Little Compton Ponds
Rhode Island	Newport	D01P	Tunipus Pond
Rhode Island	Newport	D02	Fogland Marsh
Rhode Island	Washington, Kent, Newport, Bristol	D02B	Prudence Island Complex
Rhode Island	Kent	D02BP	Prudence Island Complex

Help improve this site

Programs

(/program/coastal-barrier-resources-act)

Coastal Barrier Resources Act (/program/coastal-barrier-resources-act)

We administer the Coastal Barrier Resources Act (CBRA), which encourages the conservation of storm-prone and dynamic coastal barriers by withdrawing the availability of federal funding and financial assistance within a designated set of units known as the Coastal Barrier Resources System (CBRS)....

Program

Baileys Crossroads, VA

Working with others to conserve, protect and enhance fish, wildlife, plants and their habitats for the continuing benefit of the American people.

Information Quality (/program/information-quality)

Vulnerability Disclosure Policy (/vulnerability-disclosure-policy)

DOI (https://www.doi.gov)

USA.GOV (https://www.usa.gov)

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(https://www.twitter.com/usfws)
(https://www.linkedin.com/company/usfws)
(https://www.flickr.com/photos/usfwshq) (https://www.youtube.com/usfws)

Help improve this site

EXHIBIT | 03

Flood Insurance

Paseo de Diego St. Rehabilitation

(PR-CRP-000956)

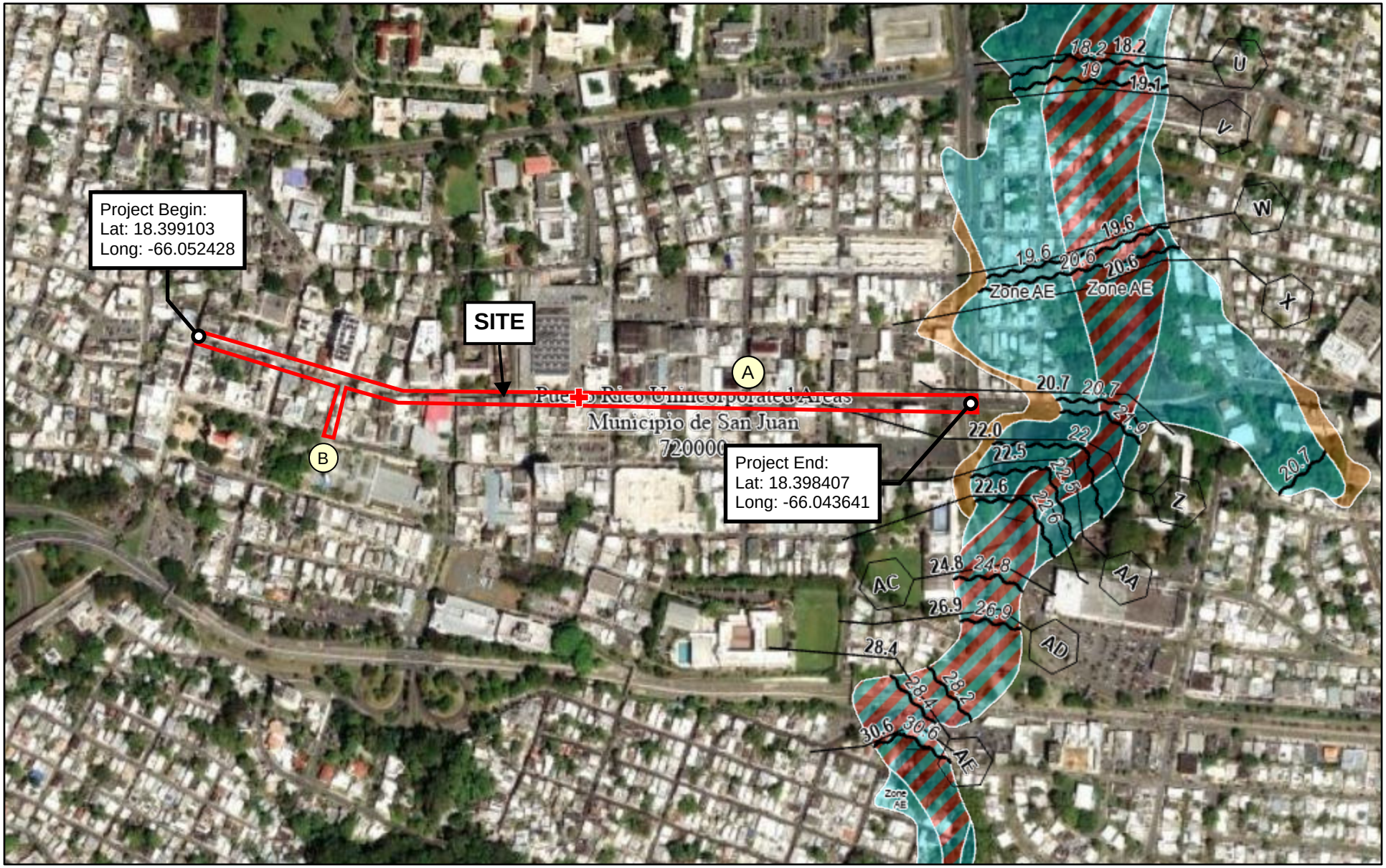
INTEGRA

Integra Design Group, PSC
576 Avenida Arterial B, Suite 102 — Hato Rey, Puerto Rico
PO Box 195488 San Juan, PR 00919
787-767-2111
www.integrapr.com

FIRM - (PR-CRP-000956)

Address: Río Piedras ward between the Juan Ponce de León Avenue and Barbosa Avenue in San Juan, Puerto Rico

Coordinates: 18.398447, -66.048053 (WGS 1984)



4/9/2025

Political Jurisdictions

Cross-Sections

Base Flood Elevations

General Structures

Other Structures

Flood Hazard Boundaries

SFHA / Flood Zone Boundary

Flood Hazard Zones

1% Annual Chance Flood Hazard

Regulatory Floodway

0.2% Annual Chance Flood Hazard

World Imagery

Project Site Boundary

Project Site Coordinates

Low Resolution 15m Imagery

High Resolution 60cm Imagery

High Resolution 30cm Imagery

Citations

A Street and Paseo de Diego

B Del Carmen St.

1:7,000

0 0.05 0.1 0.2 mi

0 0.07 0.15 0.3 km

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Spatial Reference: WGS 1984 (4326)

INTEGRA DESIGN GROUP PSC (787) 767 2111 www.integrapr.com

Sources:
https://www.arcgis.com/apps/mapviewer/index.html?url=https://hazards.fema.gov/arcgis/rest/services/FIRMette/NFHLREST_FIRMette/MapServer&source=sd

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations converted to tenth-meter elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0m Mean Sea Level (MSL). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 19. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the Mean Sea Level. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding vertical datum, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242**, or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was derived from multiple sources. Digital orthophotography was mosaicked from imagery acquired by the U.S. Army Corps of Engineers, St. Louis District at one meter ground resolution flown on September 26, 2004, and imagery acquired by the Federal Emergency Management Agency at a scale of 1:1,200, flown in November 2003, February/March 2005, and January 2006.

This map reflects more detailed and up-to-date **stream channel and shoreline configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel and shoreline configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://www.msc.fema.gov.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov

This digital Flood Insurance Rate Map (FIRM) was produced with the assistance of the Puerto Rico Planning Board (PRPB, Junta de Planificacion), the National Flood Insurance Program administrator for the Commonwealth of Puerto Rico. As part of this effort, PRPB, a Federal Emergency Management Agency Cooperating Technical Partner, will adopt this FIRM, once finalized, as the official flood map for the Commonwealth.

FIRM Panel - (PR-CRP-000956)

Address: Río Piedras ward between the Juan Ponce de León Avenue and Barbosa Avenue in San Juan, Puerto Rico

Coordinates: 18.398447, -68.048053 (WGS 1984)

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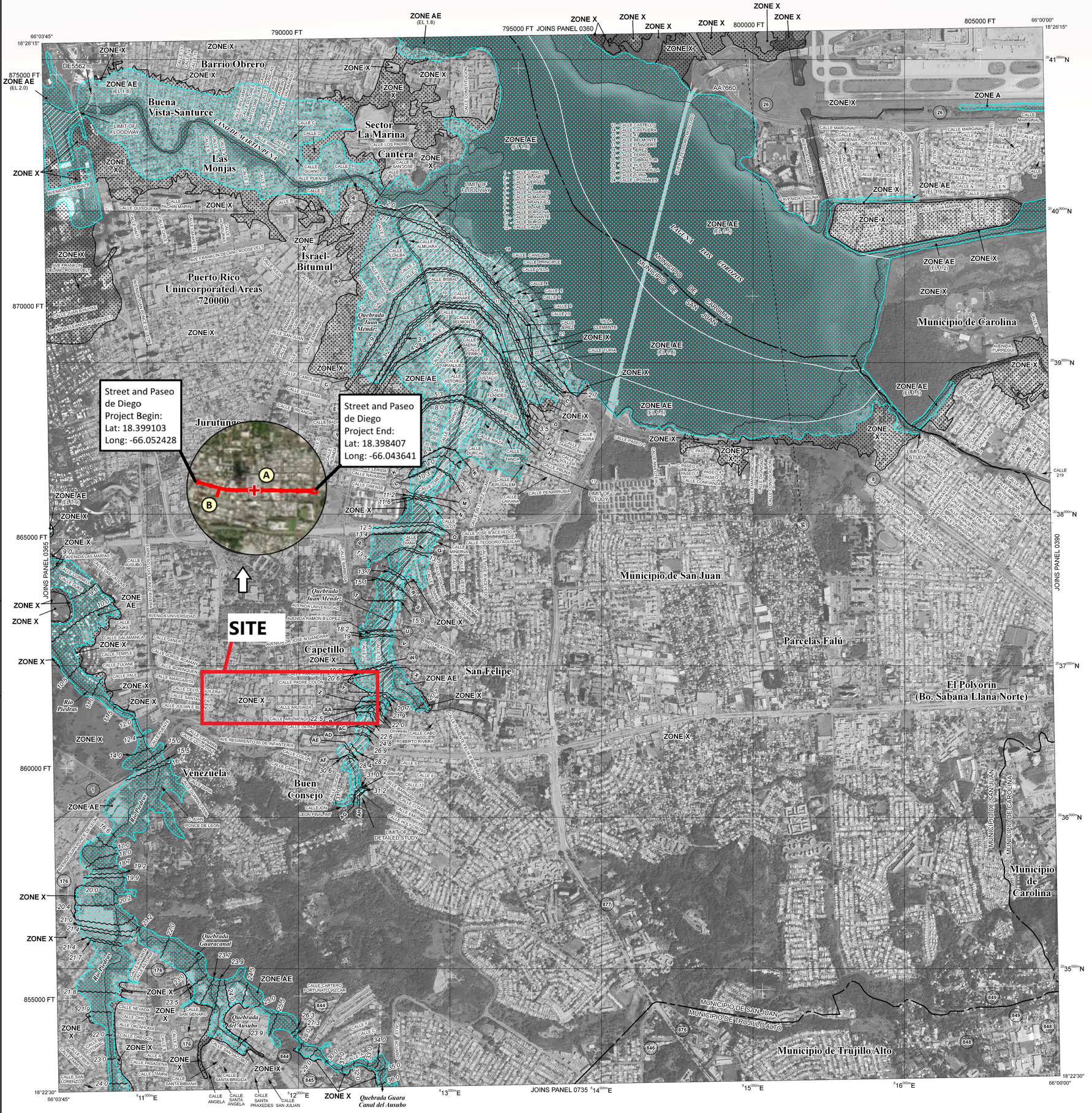


Sources: https://msc.fema.gov/portal/search?AddressQuery=-66.048069 4%2C%2018.4013611

LEGEND

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.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 0.3 to 0.9 meter (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 0.3 to 0.9 meter (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 0.3 meter or with drainage areas less than 2.6 square kilometers; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- 513 — Base Flood Elevation line and value; elevation in meters*
- (EL 987) — Base Flood Elevation value where uniform within zone; elevation in meters*

* Referenced to the Mean Sea Level

- A — A — Cross section line
- 23 — 23 — Transect line
- 87°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 9 4000 FT N — 1000-meter Universal Transverse Mercator grid values, zone NAD 1983 UTM Zone 19N
- 600000 FT — 5000-foot grid ticks: Puerto Rico Virgin Islands State Plane coordinate system (FIPSZONE 5200), Lambert Conformal Conic projection
- DX5510 × — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 — River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COMMONWEALTH OF PUERTO RICO AND MUNICIPALITIES FLOOD INSURANCE RATE MAP
April 19, 2005

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

November 18, 2009 – to change Base Flood Elevations and to change Special Flood Hazard Areas.

- Project Site Boundary
- Project Site Coordinates
- (A) Street and Paseo de Diego
- (B) Del Carmen St.

For community map revision history prior to Commonwealth of Puerto Rico and Municipalities mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE
1:10,000

0.5 0 0.25 0.5 Kilometers
500 250 0 500 1,000 1,500 2,000 2,500 3,000 3,500 Feet
0.25 0.125 0 0.25 Miles

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0370J

FIRM
FLOOD INSURANCE RATE MAP

COMMONWEALTH OF PUERTO RICO AND MUNICIPALITIES

PANEL 370 OF 2160

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
PUERTO RICO	720000	0370	J

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER 72000C0370J

MAP REVISED NOVEMBER 18, 2009

Federal Emergency Management Agency

EXHIBIT | 04

Clean Air

Paseo de Diego St. Rehabilitation

(PR-CRP-000956)

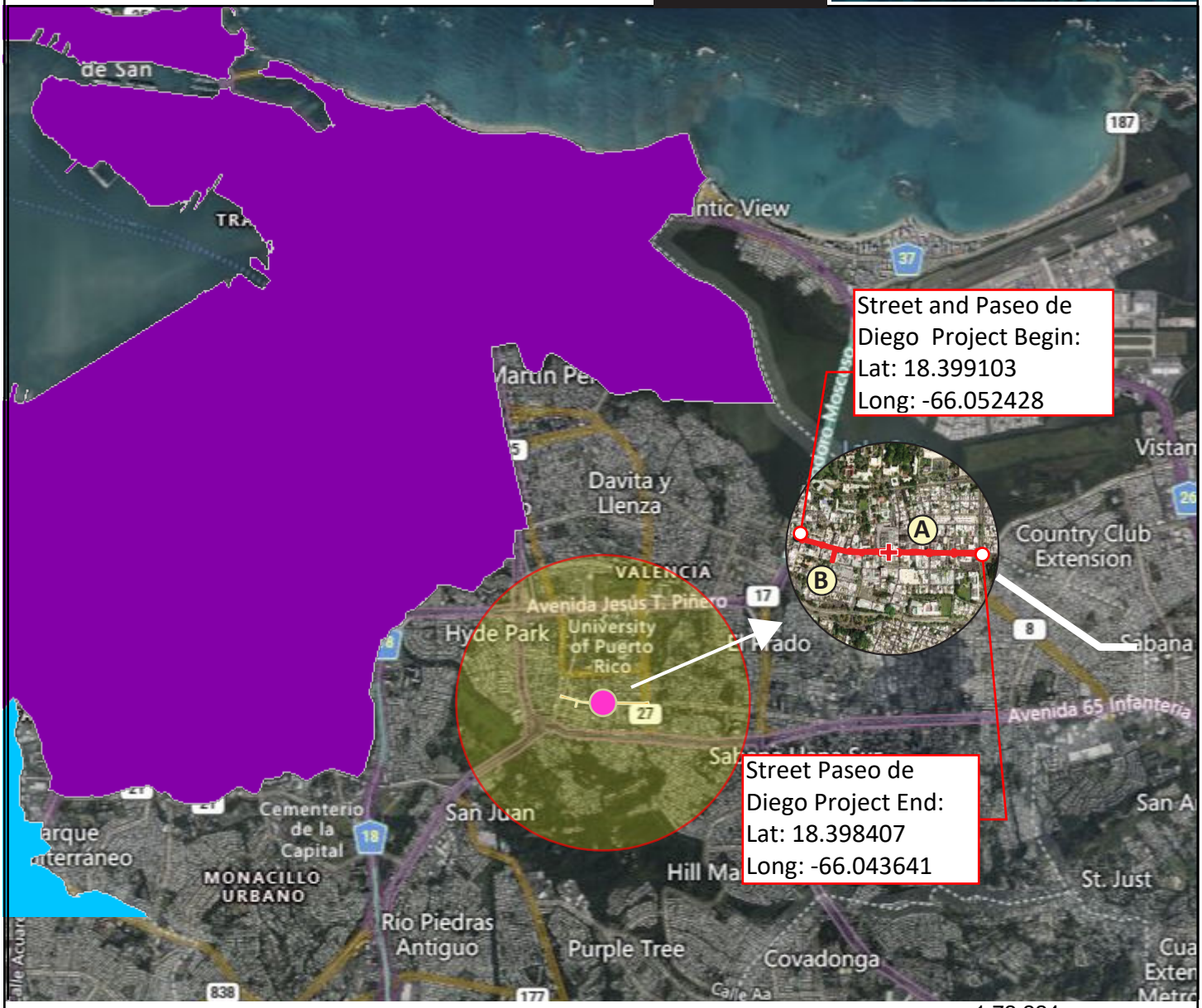
Integra Design Group, PSC
576 Avenida Arterial B, Suite 102 — Hato Rey, Puerto Rico
PO Box 195488 San Juan, PR 00919
787-767-2111
www.integrapr.com

Non-Attainment Areas (PR-CRP-000956)

Address: Río Piedras ward between the Juan Ponce de León Avenue and Barbosa Avenue in San Juan, Puerto Rico

Coordinates: 18.398447, -66.048053 (WGS 1984)

INTEGRA DESIGN GROUP
INTEGRA DESIGN GROUP PSC
(787) 767 2111 www.integrapr.com



November 14, 2024

Project Buffer (1 mi)

Project Site Coordinates

Project Site Limits

SO2 1-hr (2010 standard)

Nonattainment

PM10 (1987 standard)

Maintenance

NO2 (1971 Standard)

Maintenance

A Street and Paseo de Diego

B Del Carmen St.

1:72,224

N

0 0.5 1 2 mi

0 0.75 1.5 3 km

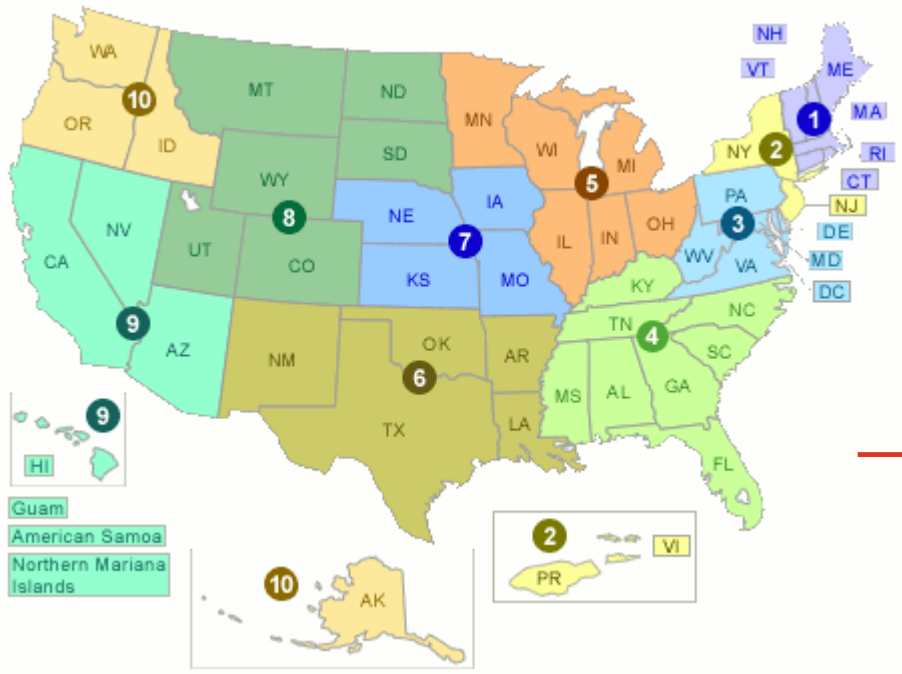
U.S. EPA Office of Air and Radiation (OAR) - Office of Air Quality Planning and Standards (OAQPS), © 2024 Microsoft Corporation © 2024 Maxar ©CNES (2024) Distribution Airbus DS © 2024 TomTom

Sources: https://nepassisttool.epa.gov/nepassist/nepamap.aspx
Spatial Reference: Web Mercator (3857)

State Designated Area Reports

Choose a state or territory from this list and click "Go" or click on a state in the map below

Alabama GO



EPA Region 2*Serving New Jersey, New York, Puerto Rico, the U.S. Virgin Islands and eight Indian Nations

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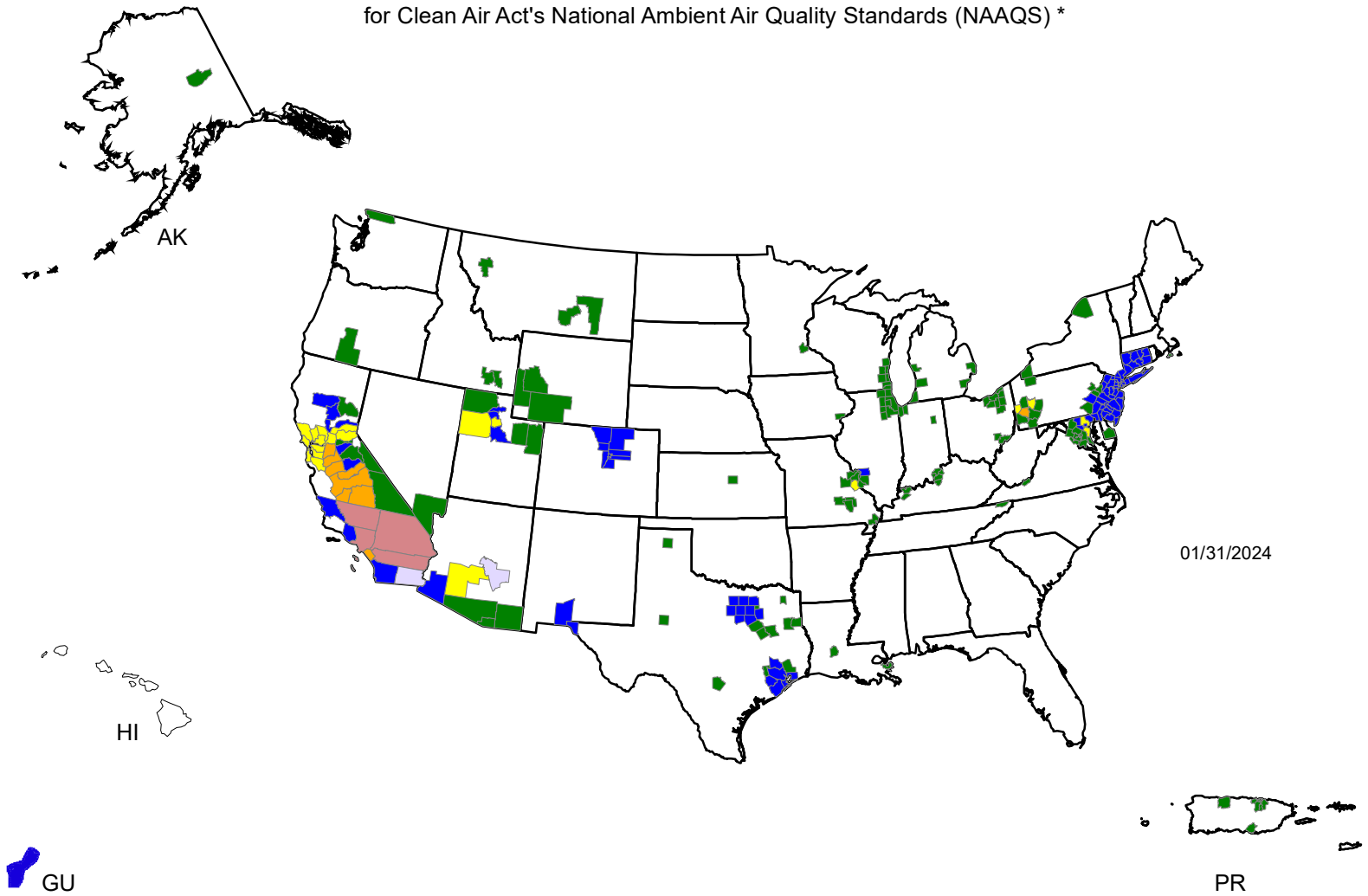
2021-03-12

Counties Designated "Nonattainment"

for Clean Air Act's National Ambient Air Quality Standards (NAAQS) *



Legend **

- County Designated Nonattainment for 6 NAAQS Pollutants
- County Designated Nonattainment for 5 NAAQS Pollutants
- County Designated Nonattainment for 4 NAAQS Pollutants
- County Designated Nonattainment for 3 NAAQS Pollutants
- County Designated Nonattainment for 2 NAAQS Pollutants
- County Designated Nonattainment for 1 NAAQS Pollutant

* The National Ambient Air Quality Standards (NAAQS) are health standards for Carbon Monoxide, Lead (1978 and 2008), Nitrogen Dioxide, 8-hour Ozone (2008), Particulate Matter (PM-10 and PM-2.5 (1997, 2006 and 2012), and Sulfur Dioxide.(1971 and 2010)

** Included in the counts are counties designated for NAAQS and revised NAAQS pollutants. Revoked 1-hour (1979) and 8-hour Ozone (1997) are excluded. Partial counties, those with part of the county designated nonattainment and part attainment, are shown as full counties on the map.

Source: https://www.epa.gov/green-book/green-book-map-download

Puerto Rico Whole or Part County Nonattainment Status by Year Since 1992 for all Criteria Pollutants

Data is current as of January 31, 2024

Listed by State, County, NAAQS (W=Whole County,P=Partial County designated nonattainment as of report date)
The 8-hour Ozone (1997) standard was revoked on April 6, 2015 and the 1-hour Ozone (1979) standard was revoked on June 15, 2005.

The 1997 Primary Annual PM-2.5 NAAQS (level of 15 μg/m^3) is revoked in attainment and maintenance areas for that NAAQS. For additional information see the PM-2.5 NAAQS SIP Requirements Final Rule, effective October 24, 2016. (81 FR 58009)

Change the State:
PUERTO RICO GO

Important Notes

Download National Dataset: dbf | xls | Data dictionary (PDF)

PUERTO RICO																															
County	**NAAQS**	**92**	**93**	**94**	**95**	**96**	**97**	**98**	**99**	**00**	**01**	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Arecibo Municipio	Lead (2008)																				P	P	P	P	P	P	P	P	P	P	P	P	P	P
Bayamon Co	Sulfur Dioxide (2010)																											P	P	P	P	P	P	P
Catano Co	Sulfur Dioxide (2010)																											W	W	W	W	W	W	W
Guaynabo Co	PM-10 (1987)	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P															
Guaynabo Co	Sulfur Dioxide (2010)																											P	P	P	P	P	P	P
Salinas Municipio	Sulfur Dioxide (2010)																											P	P	P	P	P	P	P
San Juan Municipio	Sulfur Dioxide (2010)																											P	P	P	P	P	P	P
Toa Baja Co	Sulfur Dioxide (2010)																											P	P	P	P	P	P	P

Important Notes

Status of SIP Required Elements for Puerto Rico Designated Areas

Required Elements by NAAQS / Area

NOTE: As of 03/12/2021, these reports are no longer being updated. For the latest information, see the SIP Status Tools.

Return to previous page *Return to map*

Puerto Rico: Lead (2008) / Arecibo

SIP Requirement	Deadline	Submittal Date	Latest Action	Date of Latest Action	FR Citation Click to view FR notice
Lead Attainment Demonstration	06/30/2013	08/30/2016	Approval	08/14/2017	82 FR 32474
Lead Contingency Measures	06/30/2013	08/30/2016	Approval	08/14/2017	82 FR 32474
Emission Inventory	06/30/2013	08/30/2016	Approval	08/14/2017	82 FR 32474
Lead Nonattainment NSR	06/30/2013	08/30/2016	Approval	08/14/2017	82 FR 32474
Lead RACM/RACT	06/30/2013	08/30/2016	Approval	08/14/2017	82 FR 32474
Lead RFP	06/30/2013	08/30/2016	Approval	08/14/2017	82 FR 32474

Return to previous page *Return to map*

Puerto Rico: PM-10 (1987) / Guaynabo County

SIP Requirement	Deadline	Submittal Date	Latest Action	Date of Latest Action	FR Citation Click to view FR notice
PM-10 contingency measures (Moderate)	11/15/1993	03/30/1994	Approval	06/30/1995	60 FR 28333
PM-10 Nonattainment NSR (Moderate)	11/15/1992	03/30/1994	Approval	06/30/1995	60 FR 28333
PM-10 SIP (Moderate)	11/15/1991	03/30/1994	Approval	06/30/1995	60 FR 28333

Return to previous page *Return to map*

Puerto Rico: SO2 (2010) / Guayama-Salinas

SIP Requirement	Deadline	Submittal Date	Latest Action	Date of Latest Action	FR Citation Click to view FR notice
SO2 Attainment Demonstration	10/09/2019		Failure to submit	12/03/2020	85 FR 69504
SO2 Contingency Measures	10/09/2019		Failure to submit	12/03/2020	85 FR 69504
Emission Inventory	10/09/2019		Failure to submit	12/03/2020	85 FR 69504
SO2 Nonattainment NSR	10/09/2019		Failure to submit	12/03/2020	85 FR 69504
SO2 RACM/RACT	10/09/2019		Failure to submit	12/03/2020	85 FR 69504
SO2 RFP	10/09/2019		Failure to submit	12/03/2020	85 FR 69504

Puerto Rico: SO2 (2010) / San Juan

SIP Requirement	Deadline	Submittal Date	Latest Action	Date of Latest Action	FR Citation Click to view FR notice
SO2 Attainment Demonstration	10/09/2019		Failure to submit	12/03/2020	85 FR 69504
SO2 Contingency Measures	10/09/2019		Failure to submit	12/03/2020	85 FR 69504
Emission Inventory	10/09/2019		Failure to submit	12/03/2020	85 FR 69504
SO2 Nonattainment NSR	10/09/2019		Failure to submit	12/03/2020	85 FR 69504
SO2 RACM/RACT	10/09/2019		Failure to submit	12/03/2020	85 FR 69504
SO2 RFP	10/09/2019		Failure to submit	12/03/2020	85 FR 69504

We have made our best effort to ensure that the data contained in these reports is accurate. We note that there may be brief delays in updating the reports as we receive new state submissions and we take rulemaking action on plans. In order to assist us in providing accurate information, we request that you contact us by clicking on the "Contact Us" link near the top of this page with any comments regarding or corrections to the posted information, including concerns about whether the entries reflect the most recent status.

Current Nonattainment Counties for All Criteria Pollutants

Data is current as of October 31, 2022

The 8-hour Ozone (1997) standard was revoked on April 6, 2015 and the 1-hour Ozone (1979) standard was revoked on June 15, 2005.
The asterisk (*) indicates only a portion of the county is included in the designated nonattainment area (NA).

Download National Dataset of all designated areas (currently nonattainment, maintenance, revoked):
dbf | xls | Data dictionary (PDF)

Listed by State, County, NAAQS (Classification, if applicable) * Part County NA NA Area Name

---

ALASKA

Fairbanks North Star Borough

PM-2.5 (2006)	*Fairbanks, AK - (Serious)

ARIZONA

Cochise County

PM-10 (1987)	*Cochise County; Paul Spur/Douglas planning area, AZ - (Moderate)

Gila County

Lead (2008)	*Hayden, AZ
PM-10 (1987)	*Hayden, AZ - (Moderate)
PM-10 (1987)	*Miami, AZ - (Moderate)
Sulfur Dioxide (2010)	*Hayden, AZ
Sulfur Dioxide (2010)	*Miami, AZ
8-Hour Ozone (2015)	*Phoenix-Mesa, AZ - (Marginal)

Maricopa County

PM-10 (1987)	*Maricopa and Pinal Counties; Phoenix planning area, AZ - (Serious)
8-Hour Ozone (2008)	*Phoenix-Mesa, AZ - (Moderate)
8-Hour Ozone (2015)	*Phoenix-Mesa, AZ - (Marginal)

Pima County

PM-10 (1987)	*Pima County; Rillito planning area, AZ - (Moderate)

Pinal County

Lead (2008)	*Hayden, AZ
PM-10 (1987)	*Hayden, AZ - (Moderate)
PM-10 (1987)	*Maricopa and Pinal Counties; Phoenix planning area, AZ - (Serious)
PM-10 (1987)	*Miami, AZ - (Moderate)
PM-10 (1987)	*Pinal County (part); West Pinal, AZ - (Serious)
PM-2.5 (2006)	*West Central Pinal, AZ - (Moderate)
Sulfur Dioxide (1971)	*Hayden (Pinal County), AZ
Sulfur Dioxide (2010)	*Hayden, AZ

8-Hour Ozone (2008) Pittsburgh-Beaver Valley, PA - (Marginal)
Indiana County
Sulfur Dioxide (2010) Indiana, PA
Lancaster County
8-Hour Ozone (2008) Lancaster, PA - (Marginal)
Lehigh County
8-Hour Ozone (2008) Allentown-Bethlehem-Easton, PA - (Marginal)
Montgomery County
8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
Northampton County
8-Hour Ozone (2008) Allentown-Bethlehem-Easton, PA - (Marginal)
Philadelphia County
8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
Warren County
Sulfur Dioxide (2010) *Warren, PA
Washington County
8-Hour Ozone (2008) Pittsburgh-Beaver Valley, PA - (Marginal)
Westmoreland County
8-Hour Ozone (2008) Pittsburgh-Beaver Valley, PA - (Marginal)

PUERTO RICO

Arecibo Municipio
Lead (2008) *Arecibo, PR
Bayamon Municipio
Sulfur Dioxide (2010) *San Juan, PR
Catano Municipio
Sulfur Dioxide (2010) San Juan, PR
Guaynabo Municipio
Sulfur Dioxide (2010) *San Juan, PR
Salinas Municipio
Sulfur Dioxide (2010) *Guayama-Salinas, PR
San Juan Municipio
Sulfur Dioxide (2010) *San Juan, PR
Toa Baja Municipio
Sulfur Dioxide (2010) *San Juan, PR

TENNESSEE

Sullivan County
Sulfur Dioxide (2010) *Sullivan County, TN

TEXAS

Anderson County
Sulfur Dioxide (2010) *Freestone and Anderson Counties, TX
Bexar County
8-Hour Ozone (2015) San Antonio, TX - (Marginal)
Brazoria County
8-Hour Ozone (2008) Houston-Galveston-Brazoria, TX - (Serious)
8-Hour Ozone (2015) Houston-Galveston-Brazoria, TX - (Marginal)
Chambers County
8-Hour Ozone (2008) Houston-Galveston-Brazoria, TX - (Serious)
8-Hour Ozone (2015) Houston-Galveston-Brazoria, TX - (Marginal)
Collin County
8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Serious)
8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Marginal)
Dallas County
8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Serious)
8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Marginal)
Denton County

8-Hour Ozone (2008) Upper Green River Basin Area, WY - (Marginal)
Sweetwater County
8-Hour Ozone (2008) *Upper Green River Basin Area, WY - (Marginal)

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2022-10-31

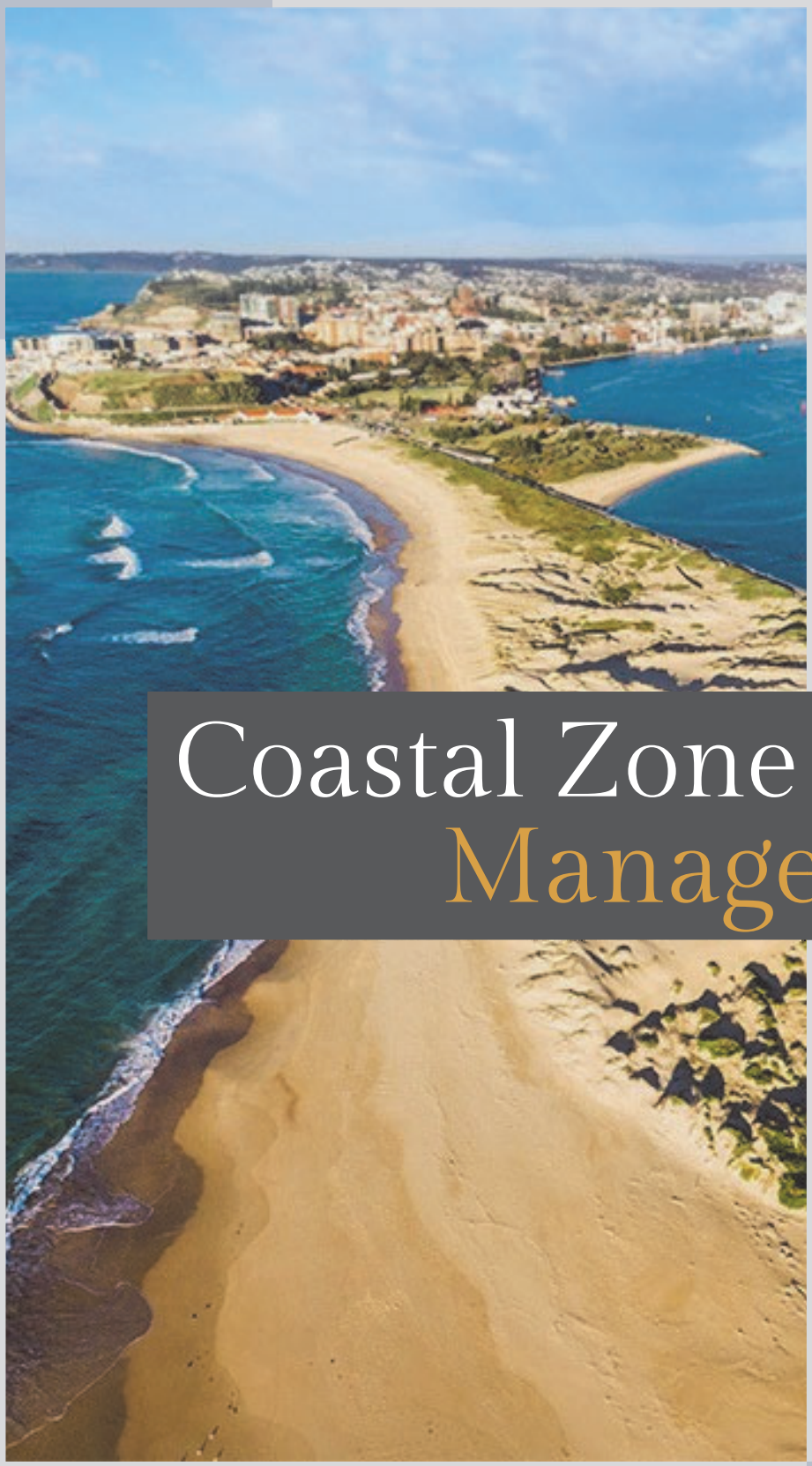


EXHIBIT | 05

Coastal Zone Management

Paseo de Diego

(PR-CRP-000956)

Integra Design Group, PSC
576 Avenida Arterial B, Suite 102 — Hato Rey, Puerto Rico
PO Box 195488 San Juan, PR 00919
787-767-2111
www.integrapr.com

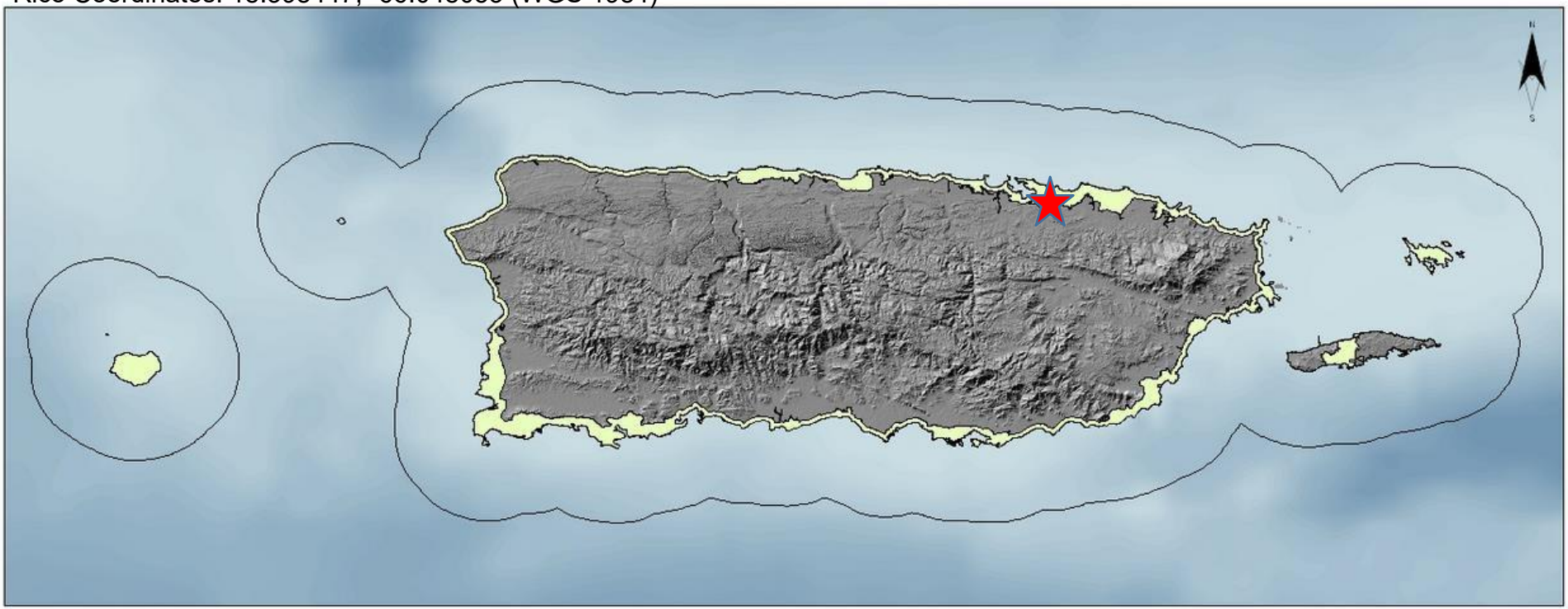
Coastal Zone Management

Project: Paseo de Diego (PR-CRP-000956)

Description: Display from the Coastal Zone Management

ÁMBITO DE APLICACIÓN DEL PROGRAMA DE MANEJO DE LA ZONA COSTANERA DE PUERTO RICO

Address: Río Piedras ward between the Juan Ponce de León Avenue and Barbosa Avenue in San Juan, Puerto Rico Coordinates: 18.398447, -66.048053 (WGS 1984)



Límite Terrestre
Límite Marino

0 25 50 75 100 Millas
0 25 50 75 100 Km

Coordinates of Paseo de Diego, San Juan

Lat: 18.398447, Long: -66.048053

Project ★

Source: Provided by Puerto Rico Department of Housing

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Coastal Zone Management - (PR-CRP-000956)

Address: Río Piedras ward between the Juan Ponce de León Avenue and Barbosa Avenue in San Juan, Puerto Rico

Coordinates: 18.398447, -66.048053 (WGS 1984)

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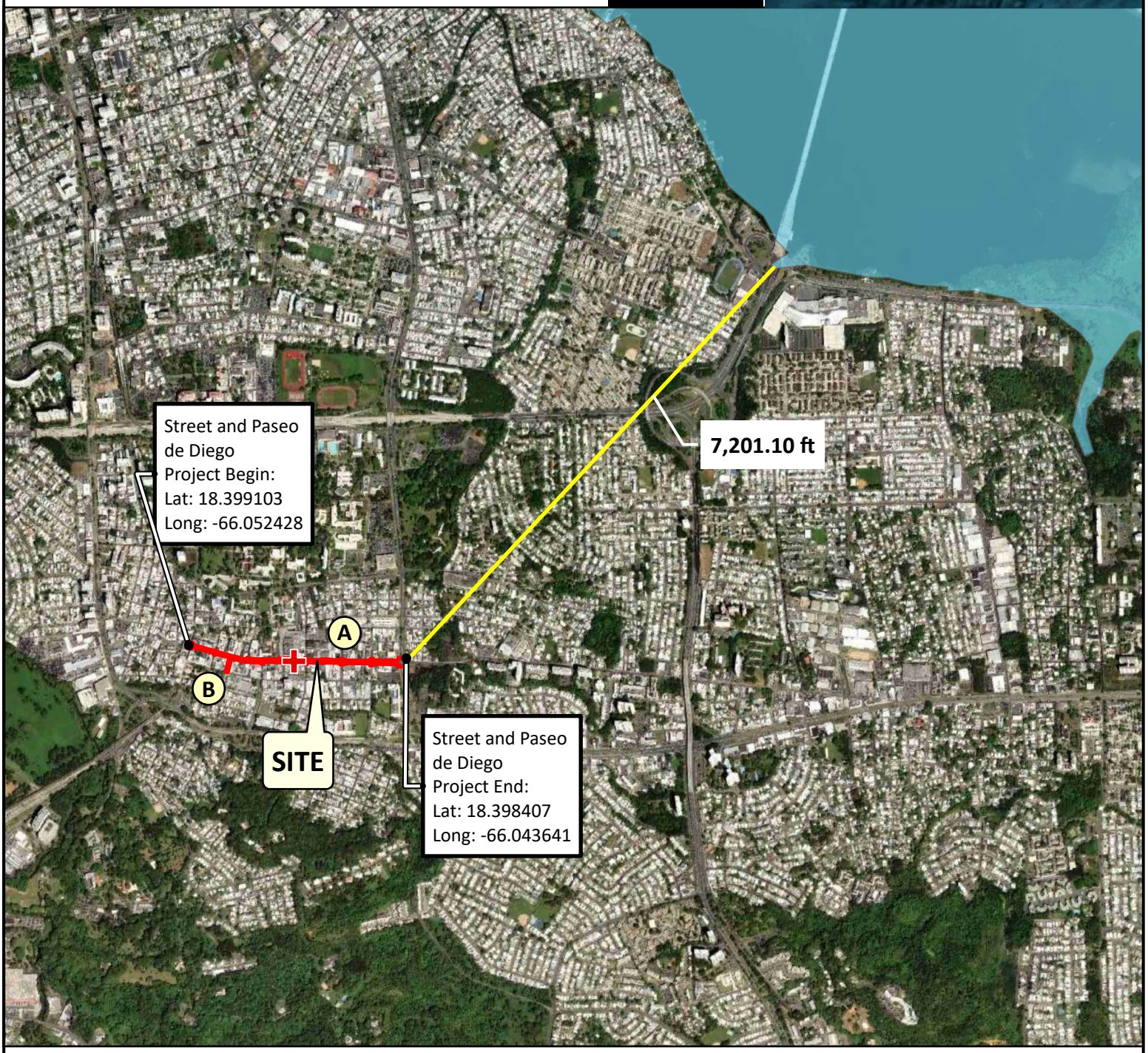


Project Site Boundary

Project Site Coordinates

Coastal Zone Management Act

Coastal Zone

Federal Consistency

A Street and Paseo de Diego

B Del Carmen St.

Distance to Coastal Zone Land Boundary

N

Scale: 1:25,000

1 inch equals 0 miles

0 0.3 0.6 Miles

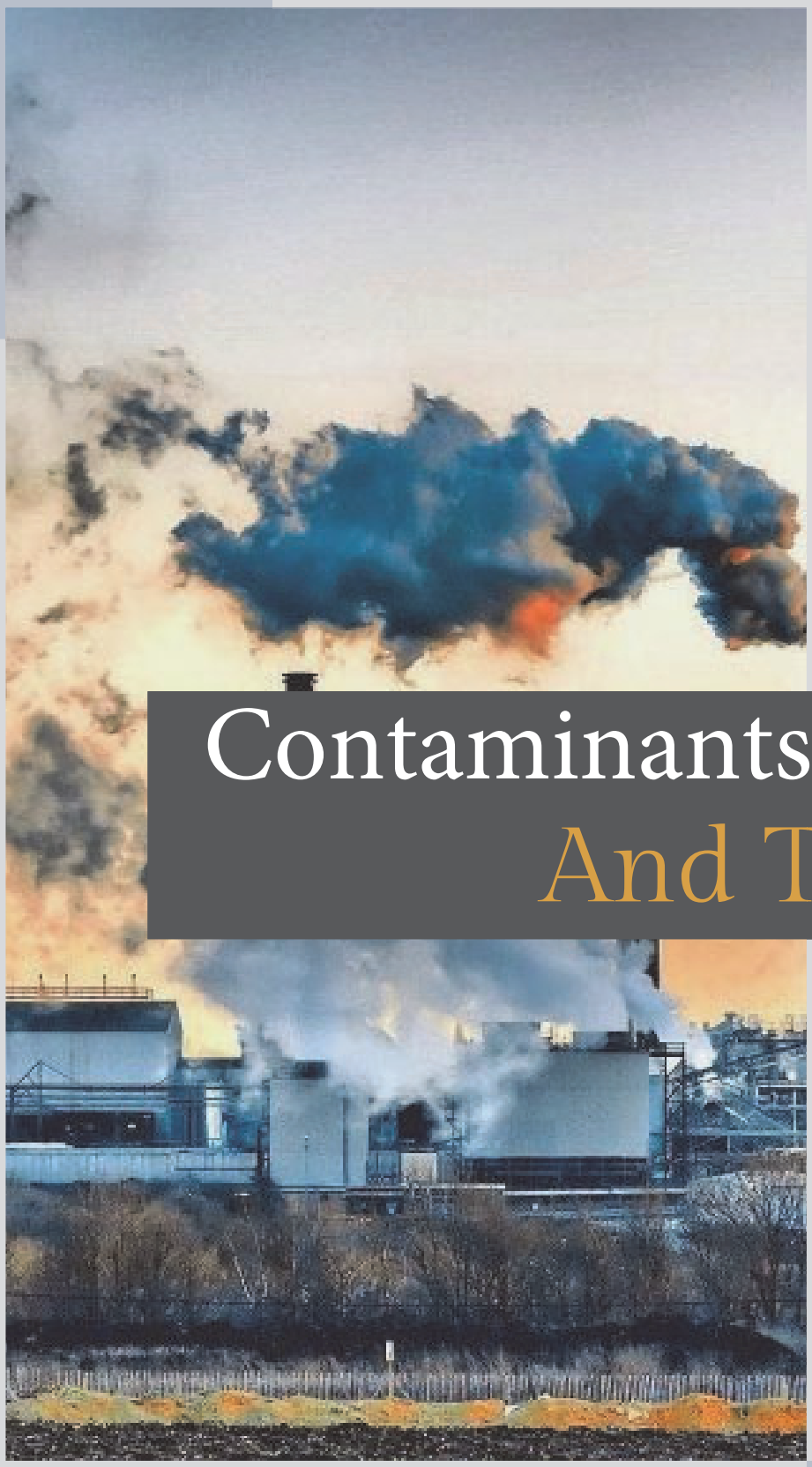
Spatial Reference:
NAD 1983 StatePlane Puerto Rico Virgin Islands FIPS 5200

Sources: Earthstar Geographics, Maxar. https://www.fisheries.noaa.gov/inport/item/53132

STATE COASTAL ZONE BOUNDARIES February 9, 2012	
STATE	**DEFINITION OF STATE'S COASTAL ZONE** **(The seaward boundary of the Great Lake States is the U.S.-Canada International boundary, and for all other States is the 3 nautical mile territorial sea, except for those States marked with an asterisk (*)**
ALABAMA	Alabama's coastal zone extends inland to the continuous 10-foot elevation contour in Baldwin and Mobile Counties.
ALASKA	As of July 1, 2011, Alaska no longer has a federally approved coastal management program or defined coastal zone and federal consistency does not apply to Alaska. Contact NOAA's Office of Ocean and Coastal Resource Management for additional information.
AMERICAN SAMOA	American Samoa's coastal zone is the entire Territory.
CALIFORNIA & BCDC	California's coastal zone generally extends 1,000 yards inland from the mean high tide line. In significant coastal estuarine habitat and recreational areas it extends inland to the first major ridgeline or 5 miles from the mean high tide line, whichever is less. In developed urban areas, the boundary is generally less than 1,000 yards. The coastal zone for the San Francisco Bay Conservation and Development Commission (BCDC) includes the open water, marshes and mudflats of greater San Francisco Bay, and areas 100 feet inland from the line of highest tidal action. The boundary also includes: the Suisun marsh and buffer zone: managed wetlands diked off from the Bay; and open waters diked off from the Bay and used in salt production.
CONNECTICUT	Connecticut's coastal zone has two tiers incorporated within the 36 coastal townships. The first tier is bounded by a continuous line delineated by a 1,000 foot linear setback measured from the mean high water mark in coastal waters; or a 1,000 foot linear setback measured from the inland boundary of state regulated tidal wetlands; or the continuous interior contour elevation of the one hundred year frequency coastal flood zone; whichever is farthest inland. The second tier is the area between the inland boundary of the 36 coastal communities and the inland boundary of the first tier.
DELAWARE	Delaware's coastal zone includes the whole state.
FLORIDA *	Florida's coastal zone is the entire State, but has two tiers. Local governments eligible to receive coastal management funds are limited to those Gulf and Atlantic coastal cities and counties which include or are contiguous to state water bodies where marine species of vegetation constitute the dominant plant community. Florida's seaward boundary in the Gulf of Mexico is 3 marine leagues (9 nautical miles) and is 3 nautical miles in the Atlantic.
GEORGIA	Georgia's coastal zone includes the 11 counties that border tidally-influenced waters or have economies that are closely tied to coastal resources.
GUAM	Guam's coastal zone is the entire Territory.
HAWAI'I	Hawai'i's coastal zone is the entire state.

PENNSYLVANIA	Pennsylvania's coastal zone along Lake Erie varies from 900 feet in urban areas to over 3 miles in more rural areas, and encompasses the floodplains of Lake Erie and tributary streams, bluff hazards recession areas, and coastal wetlands. The coastal zone along the Delaware River Estuary extends inland to 660 feet in urbanized areas, to 3.5 miles in rural areas, and includes floodplains of the Delaware and Schuykill Rivers and their tributaries to the upper limit of tidal influence, and tidal and freshwater wetlands.
PUERTO RICO *	Puerto Rico's coastal zone, generally, extends 1,000 meters inland; however, it extends further inland in certain areas to include important coastal resources. Puerto Rico's seaward boundary is 3 marine leagues (9 nautical miles).
RHODE ISLAND	Rhode Island's coastal zone includes the whole state. However, the inland extent of the regulatory authority of the State's CZMA agency is 200 feet inland from any coastal feature, to watersheds, and to certain activities that occur anywhere within the State that include: power-generating plants; petroleum storage facilities; chemical or petroleum processing; minerals extraction; sewage treatment and disposal plants; solid waste disposal facilities; and, desalination plants.
SOUTH CAROLINA	South Carolina's coastal zone includes all lands and waters in the counties which contain any one or more of the critical areas (coastal waters, tidelands, beaches, and primary oceanfront sand dunes).
TEXAS *	Texas' coastal zone is generally the area seaward of the Texas coastal facility designation line which roughly follows roads that are parallel to coastal waters and wetlands generally within one mile of tidal rivers. The boundary encompasses all or portions of 18 coastal counties. Texas' seaward boundary is 3 marine leagues (9 nautical miles).
VIRGINIA	Virginia's coastal zone includes the 29 counties, 17 cities, and 42 incorporated towns of *Tidewater Virginia*, including the Atlantic Coast watershed and portions of the Chesapeake Bay and Albemarle-Pamlico Sound watersheds.
VIRGIN ISLANDS	Virgin Islands' coastal zone includes the entire territory.
WASHINGTON	Washington's coastal zone is the 15 coastal counties that front saltwater.
WISCONSIN	Wisconsin's coastal zone is the 15 counties that front Lake Superior, Lake Michigan, or Green Bay.

EXHIBIT | 06



Contaminants And Toxics

Paseo de Diego

(PR-CRP-000956)

INTEGRA

Integra Design Group, PSC
576 Avenida Arterial B, Suite 102 — Hato Rey, Puerto Rico
PO Box 195488 San Juan, PR 00919
787-767-2111
www.integrapr.com

Screening Report: Paseo de Diego (PR-CRP-000956)

Area of Interest (AOI) Information

Area : 87,513,003.29 ft²

Nov 25 2024 10:58:05 Bolivia Time

Adress: Río Piedras ward between the Juan Ponce de León Avenue and Barbosa Avenue in San Juan, Puerto Rico

Coordinates: 18.398447, -66.048053 (WGS 1984)

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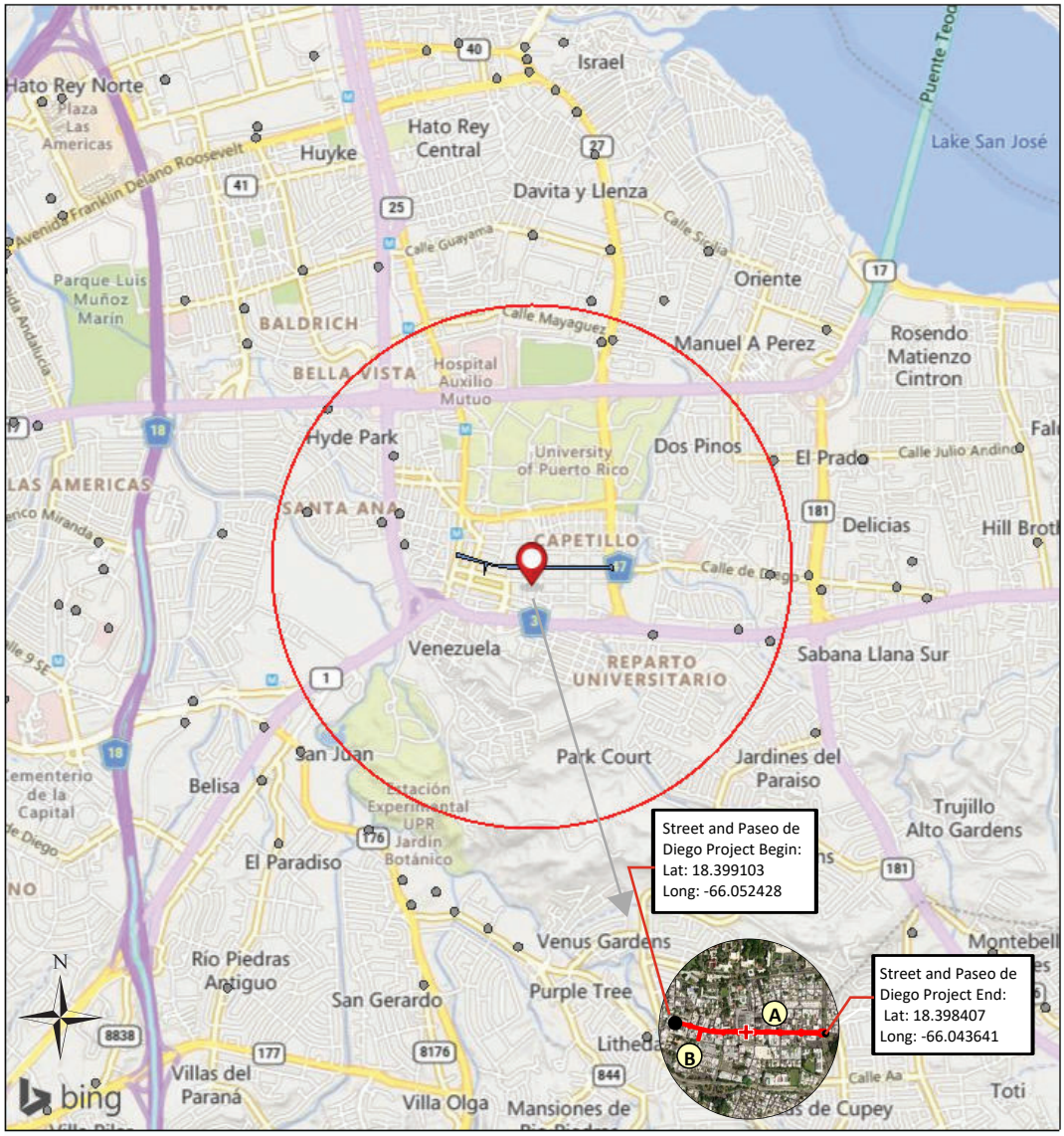

Project Site Boundary

Project Site Coordinates

Facilities

Unknown

Buffer 1 mi

A Street and Paseo de Diego

B Del Carmen St.

1:36,112

0 0.28 0.55 1.1 mi

0 0.45 0.9 1.8 km

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Spatial Reference:
WGS84 (4326)

Source: https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=b03763d3f2754461adf86f121345 d7bc&extent=-7356150.2198%2C2082952.021%2C-7349624.4085%2C2085851.8508%2C102100

Summary

Name	Count	Area(ft²)	Length(ft)
Releases	7	N/A	N/A
Facilities	12	N/A	N/A

Releases

#	Facility_ID	LUST_ID	Name	Address	City
1	*No Data*	86-1991	Estación Experimental Agrícola	Carr. #1, Km. 12.9	San Juan
2	*No Data*	86-1914	Estación Exp. Agrícola	Carr. 1 km. 12.9 / Finca Solis Río Piedras, PR	San Juan
3	*No Data*	91-0067	GPR 1012	Ave. Jesus T pinero No 263 Hato Rey	San Juan
4	*No Data*	92-0008	Gulf S/S #301	Ave. Barbosa #620	Río Piedras
5	*No Data*	86-0660	Shell 804746	Muñoz Rivera #761	San Juan
6	*No Data*	86-0659	Horacio Pastrana	Ave. De Diego Esq Padre Capuchino	San Juan
7	*No Data*	86-1270	Esso 3P-198	Ave Barbosa esq Ave. De Diego	San Juan

#	County	Zip_Code	State	Latitude	Longitude
1	*No Data*	*No Data*	Puerto Rico	18.3932	-66.0583
2	*No Data*	*No Data*	Puerto Rico	18.3932	-66.0583
3	*No Data*	*No Data*	Puerto Rico	18.4076	-66.0597
4	*No Data*	*No Data*	Puerto Rico	18.4112	-66.0436
5	*No Data*	*No Data*	Puerto Rico	18.4071	-66.0564
6	*No Data*	*No Data*	Puerto Rico	18.3984	-66.0447
7	*No Data*	*No Data*	Puerto Rico	18.3984	-66.0434

#	Coordinate_Source	Address_Match_Type	Reported_Date	Status	Substance
1	Geocode	DistanceMarker	*No Data*	Open	*No Data*
2	Geocode	DistanceMarker	*No Data*	Open	*No Data*
3	Geocode	PointAddress	*No Data*	Open	*No Data*
4	Geocode	PointAddress	*No Data*	Open	*No Data*
5	Geocode	StreetAddressExt	*No Data*	No Further Action	*No Data*
6	Geocode	StreetInt	*No Data*	Open	*No Data*
7	Geocode	StreetInt	*No Data*	Open	*No Data*

#	Population_within_1500ft	DomesticWells_within_1500ft	LandUse	Within_SPA	SPA_PWS_FacilityID
1	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
2	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
3	*No Data*	*No Data*	*No Data*	No	*No Data*
4	*No Data*	*No Data*	*No Data*	No	*No Data*
5	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
6	*No Data*	*No Data*	*No Data*	No	*No Data*
7	*No Data*	*No Data*	*No Data*	No	*No Data*

#	SPA_Water_Type	SPA_Facility_Type	SPA_HUC12	Within_WHPA	WHPA_PWS_FacilityID
1	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
2	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
3	*No Data*	*No Data*	*No Data*	No	*No Data*
4	*No Data*	*No Data*	*No Data*	Yes	PR0002591_1148
5	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
6	*No Data*	*No Data*	*No Data*	No	*No Data*
7	*No Data*	*No Data*	*No Data*	No	*No Data*

#	WHPA_Water_Type	WHPA_Facility_Type	WHPA_HUC12	Within_100yr_Floodplain	Closed_With_Residual_Contaminat
1	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
2	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
3	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
4	GW	WL	210100050501	*No Data*	*No Data*
5	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
6	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
7	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*

#	EPA_Region	NFA_Letter	Tribe	Count
1	2		*No Data*	1
2	2		*No Data*	1
3	2		*No Data*	1
4	2		*No Data*	1
5	2		*No Data*	1
6	2		*No Data*	1
7	2		*No Data*	1

Facilities

#	Facility_ID	Name	Address	City	County
1	PR_24199-26220	24 HOUR (GAS SAN AGUSTIN SS)	CARR 3 KM 1.8 MARGINAL NORTE URB. SAN AGUSTIN	SAN JUAN	*No Data*
2	PR_24146-26217	TOTAL PETROLEUM PR CORP #115631	CARR 3 KM 1.2 SAN AGUSTIN, RIO PIEDRAS	SAN JUAN	*No Data*
3	PR_23978-26286	TOTAL #115899	AVE MUÑOZ RIVERA 1004	SAN JUAN	*No Data*
4	PR_24218-26254	VIP BEST PRICE GAS STATION	AVE DE DIEGO 475 ESQ LAS PALMAS	SAN JUAN	*No Data*
5	PR_23931-26292	UNIVERSITY GARDENS SS	URB UNIVERSITY GARDENS CALLE SALAMANCA	SAN JUAN	*No Data*
6	PR_23985-26327	TEXACO HYDE PARK	AVE MUÑOZ RIVERA 875	SAN JUAN	*No Data*
7	PR_23989-26291	GULF #024	AVE MUÑOZ RIVERA 1007	SAN JUAN	*No Data*
8	PR_23944-26356	TOTAL PETROLEUM PR CORP #104012	AVE JESUS T PIÑERO 263	SAN JUAN	*No Data*
9	PR_23992-26272	COLONIAL INSURANCE	URB SANTA RITA 1101 AVE MUÑOZ RIVERA	SAN JUAN	*No Data*
10	PR_24218-26213	SHELL EL TUNEL	CARR 3 KM 2.0	SAN JUAN	*No Data*
11	PR_24120-26398	ESTACION TOTAL - BARBOSA	AVE. BARBOSA	SAN JUAN	*No Data*
12	PR_24113-26397	GULF	AVE BARBOSA	SAN JUAN	*No Data*

#	State	Zip_Code	Latitude	Longitude	Coordinate_Source
1	Puerto Rico	*No Data*	18.3950	-66.0359	State
2	Puerto Rico	*No Data*	18.3947	-66.0410	State
3	Puerto Rico	*No Data*	18.4009	-66.0568	State
4	Puerto Rico	*No Data*	18.3980	-66.0341	State
5	Puerto Rico	*No Data*	18.4015	-66.0612	State
6	Puerto Rico	*No Data*	18.4046	-66.0561	State
7	Puerto Rico	*No Data*	18.4014	-66.0558	State
8	Puerto Rico	*No Data*	18.4072	-66.0600	State
9	Puerto Rico	*No Data*	18.3997	-66.0555	State
10	Puerto Rico	*No Data*	18.3943	-66.0341	State
11	Puerto Rico	*No Data*	18.4111	-66.0433	State
12	Puerto Rico	*No Data*	18.4109	-66.0440	State

#	Address_Match_Type	Open_USTs	Closed_USTs	TOS_USTs	Facility_Status
1	*No Data*	*No Data*	*No Data*	*No Data*	Unknown
2	*No Data*	*No Data*	*No Data*	*No Data*	Unknown
3	*No Data*	*No Data*	*No Data*	*No Data*	Unknown
4	*No Data*	*No Data*	*No Data*	*No Data*	Unknown
5	*No Data*	*No Data*	*No Data*	*No Data*	Unknown
6	*No Data*	*No Data*	*No Data*	*No Data*	Unknown
7	*No Data*	*No Data*	*No Data*	*No Data*	Unknown
8	*No Data*	*No Data*	*No Data*	*No Data*	Unknown
9	*No Data*	*No Data*	*No Data*	*No Data*	Unknown
10	*No Data*	*No Data*	*No Data*	*No Data*	Unknown
11	*No Data*	*No Data*	*No Data*	*No Data*	Unknown
12	*No Data*	*No Data*	*No Data*	*No Data*	Unknown

#	LandUse	Population_1500ft	Private_Wells_1500ft	Within_SPA	SPA_PWS_FacilityID
1	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
2	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
3	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
4	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
5	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
6	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
7	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
8	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
9	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
10	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
11	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
12	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*

#	SPA_Water_Type	SPA_Facility_Type	SPA_HUC12	Within_WHPA	WHPA_PWS_FacilityID
1	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
2	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
3	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
4	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
5	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
6	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
7	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
8	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
9	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
10	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
11	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
12	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*

#	WHPA_Water_Type	WHPA_Facility_Type	WHPA_HUC12	Within_100yr_Floodplain	Date_of_Last_Inspection
1	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
2	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
3	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
4	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
5	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
6	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
7	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
8	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
9	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
10	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
11	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
12	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*

#	EPA_Region	Tribe	Count
1	2	*No Data*	1
2	2	*No Data*	1
3	2	*No Data*	1
4	2	*No Data*	1
5	2	*No Data*	1
6	2	*No Data*	1
7	2	*No Data*	1
8	2	*No Data*	1
9	2	*No Data*	1
10	2	*No Data*	1
11	2	*No Data*	1
12	2	*No Data*	1

NEPAssist Report - Contaminants and Toxics

Paseo de Diego (PR-CRP-000956)

Project Location	18.398447,-66.048053
Within 3000 feet of an Ozone 1-hr (1979 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of an Ozone 8-hr (1997 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of an Ozone 8-hr (2008 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of an Ozone 8-hr (2015 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a Lead (2008 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a SO2 1-hr (2010 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a PM2.5 24hr (2006 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a PM2.5 Annual (1997 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a PM2.5 Annual (2012 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a PM10 (1987 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a CO Annual (1971 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a NO2 Annual (1971 standard) Non-Attainment/Maintenance Area?	no
Within 3000 feet of a Federal Land?	no
Within 3000 feet of an impaired stream?	no
Within 3000 feet of an impaired waterbody?	yes
Within 3000 feet of a waterbody?	no
Within 3000 feet of a stream?	yes
Within 3000 feet of an NWI wetland?	Available Online
Within 3000 feet of a Brownfields site?	no
Within 3000 feet of a Superfund site?	no
Within 3000 feet of a Toxic Release Inventory (TRI) site?	no
Within 3000 feet of a water discharger (NPDES)?	yes
Within 3000 feet of a hazardous waste (RCRA) facility?	yes
Within 3000 feet of an air emission facility?	no
Within 3000 feet of a school?	yes
Within 3000 feet of an airport?	no
Within 3000 feet of a hospital?	no
Within 3000 feet of a designated sole source aquifer?	no
Within 3000 feet of a historic property on the National Register of Historic Places?	yes
Within 3000 feet of a Chemical Data Reporting (CDR) site?	no
Within 3000 feet of a Land Cession Boundary?	no
Within 3000 feet of a tribal area (lower 48 states)?	no
Within 3000 feet of the service area of a mitigation or conservation bank?	no
Within 3000 feet of the service area of an In-Lieu-Fee Program?	no
Within 3000 feet of a Public Property Boundary of the Formerly Used Defense Sites?	no
Within 3000 feet of a Munitions Response Site?	no
Within 3000 feet of an Essential Fish Habitat (EFH)?	yes
Within 3000 feet of a Habitat Area of Particular Concern (HAPC)?	no
Within 3000 feet of an EFH Area Protected from Fishing (EFHA)?	no
Within 3000 feet of a Bureau of Land Management Area of Critical Environmental Concern?	no
Within 3000 feet of an ESA-designated Critical Habitat Area per U.S. Fish & Wildlife Service?	no
Within 3000 feet of an ESA-designated Critical Habitat river, stream or water feature per U.S. Fish & Wildlife Service?	no

Created on: 4/9/2025 7:15:12 PM

Contaminants and Toxics (PR-CRP-000956)

Address: Río Piedras ward between the Juan Ponce de León Avenue and Barbosa Avenue in San Juan, Puerto Rico

Coordinates: 18.398447, -66.048053 (WGS 1984)

INTEGRA DESIGN GROUP PSC
(787) 767 2111 www.integrapr.com

April 9, 2025

1:18,056

0 0.13 0.25 0.5 mi

0 0.23 0.45 0.9 km

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- Water Dischargers (NPDES)
- Hazardous Waste (RCRAInfo)
- Hazardous Waste (RCRAInfo)
- Project site Buffer (3,000 ft)
- Project Site Coordinates
- Project Site Limits
- Project Site Boundary
- Project Site Coordinates
- A — Street and Paseo de Diego
- B — Del Carmen St.

Source: https://nepassisttool.epa.gov/nepassist/nepamap.aspx
Spatial Reference: WGS84 (4326)

Contaminants and Toxics- (PR- CRP-000956)

Address: Río Piedras ward between the Juan Ponce de Leon Avenue and Barbosa Avenue in San Juan, Puerto Rico

Coordinates: 18.398447, -66.048053 (WGS 1984)

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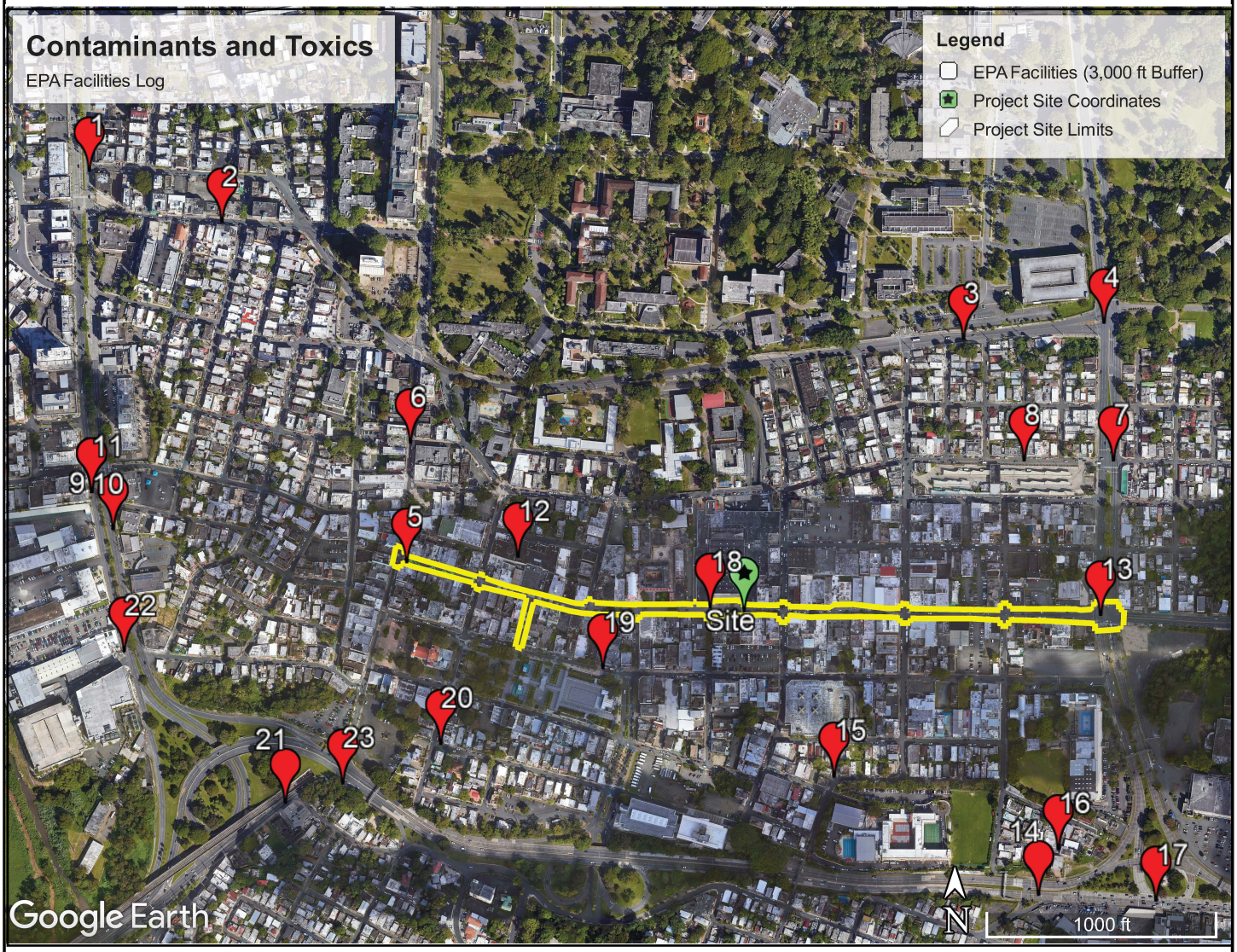


Spatial Reference: WGS84
Source: Google Earth Pro
https://www.epa.gov/frs/geospatial-data-download-service

Paseo de Diego (PR-CRP-000956)

Table that Summarizes all the ECHO Report

Map ID	Facility Name	EPA Facilities	Dueño	Address	Approximate distance from project site	Coordinates		Information
						Lat:	Long:	
1	QUEST DIAGNOSTICS INC	RCRA		881 MUNOZ RIVERA AVE RIO PIEDRAS, PR 00927	2,148 ft	18.403725	-66.056332	No biennial report data, No NAICS Codes available, No Waste codes Available. Last Updated: March 6, 2025.
2	VIDYS CAFE & RESTAURANT	RCRA	VIDYS CAFE & RESTAURANT	104 UNIVERSIDAD AVE RIO PIEDRAS, PR 00925	1648 ft	18.40311	-66.05465	**Hazardous Waste Generator:** Very Small Quantity Generator No biennial report data, NAICS Codes 72211 (FULL-SERVICE RESTAURANTS), No Waste codes Available. Last Updated: March 6, 2025.
3	ESCUELA SUPERIOR RAMON VILA MAYO	RCRA	DEPARTAMENTO DE EDUCACION	AVE GANDARA ESQUINA CALLE RIO PIEDRAS, PR 00936	1,198 ft	18.401706	-66.045275	No biennial report data, NAICS Codes 611110 (ELEMENTARY AND SECONDARY SCHOOLS), Waste codes D009 (MERCURY). Last Updated: March 6, 2025.
4	ESSO STANDARD OIL CO - PR DO-200	RCRA	DANILO MENDOZA	AVE BARBOSA 621 RIO PIEDRAS, PR 00925	1,238 ft	18..4019	-66.0435	No biennial report data, No NAICS Codes available, No Waste codes Available. Last Updated: March 6, 2025.
5	LUMA - SAN JUAN REGION	RCRA	PR ELECTRIC POWER	CARR 47 KM 0.5 CALLE DE DIEGO RIO PIEDRAS, PR 00926	Inside the project limits	18.399032	-66.052302	No biennial report data, NAICS Codes 22112(ELECTRIC POWER TRANSMISSION, CONTROL, AND DISTRIBUTION), Waste codes D001 (IGNITABLE WASTE) and D002 (CORROSIVE WASTE). Last Updated: March 6, 2025.
6	TREN URBANO	RCRA	PETER KEIWIT	1017 PONCE DE LEON RIO PIEDRAS, PR 00925	539 ft	18.40046	-66.05226	No biennial report data, No NAICS Codes available, No Waste codes Available. Last Updated: March 6, 2025.
7	LOS GEMELOS AUTO SALES	RCRA		1055 BARBOSA AVE SAN JUAN, PR 00923	649 ft	18.39996	-66.04339	No biennial report data, No NAICS Codes available, No Waste codes Available. Last Updated: March 6, 2025.
8	RAGA OFFSET	RCRA	RAGA OFFSET	251 ROBELS ST RIO PIEDRAS, PR 00925	630 ft	18.40025	-66.044516	No biennial report data, No NAICS Codes available, No Waste codes Available. Last Updated: March 6, 2025.
9	CARIBBEAN DATA GROUP	RCRA	MARIA ELISA SUAREZ	1129 MUNOZ RIVERA AVE RIO PIEDRAS, PR 00925-2789	1,241 ft	18.399432	-66.056004	No biennial report data, No NAICS Codes available, No Waste codes Available. Last Updated: March 6, 2025.
10	GENERAL ELECTRIC INTL - RIO PIEDRAS	RCRA	INTL GENERAL ELECTRIC - PR	1086 MUNOZ RIVERA RIO PIEDRAS, PR 00927-5016	1,358 ft	18.399872	-66.056277	No biennial report data, No NAICS Codes available, No Waste codes Available. Last Updated: March 6, 2025.
11	OFICINA CENTRAL FARMACIA EL AMAL	RCRA	OFICINA CENTRAL FARMACIA EL AMAL	1086A MUNOZ RIVERA AVE RIO PIEDRAS, PR 00925	1,358 ft	18.399872	-66.056277	No biennial report data, No NAICS Codes available, No Waste codes Available. Last Updated: March 6, 2025.
12	DE DIEGO VILLAGE	2 NPDES		61 DE DIEGO STREET, SAN JUAN 000925	120 ft	18.3991	-66.0509	ICIS NPDES (IDENTIFIER: PRR1000A2 and IDENTIFIER: PRR100087) General Permit Covered Facility, Status: Effective, Construction Stormwater (permits effective: 02-16-2027). Three-year Compiance: No Violation Identified (RCRA). Last Updated: March 6, 2025.

Paseo de Diego (PR-CRP-000956)

Table that Summarizes all the ECHO Report

Map ID	Facility Name	EPA Facilities	Dueño	Address	Approximate distance from project site	Coordinates Lat:	Long:	Information
13	ESSO STANDARD OIL CO PR 3P-198	RCRA	JOSE GARRIDO MONGE	1072 DE DIEGO ESQ BARBOSA RIO PIEDRAS, PR 00928	Inside the project limits	18.398403	-66.043562	**Hazardous Waste Generator**: Very Small Quantity Generator. No biennial report data, NAICS Codes 44719 (OTHER GASOLINE STATIONS), No Waste codes Available. In accordance with the ECHO Report this facility is in compliance, no violation identifiedin the last 5 years. Last Updated: March 6, 2025.
14	CARIBBEAN PETROLEUM LP SS GULF 005	RCRA	CARIBBEAN PETROLEUM LP	CARR 3 KM 5.1 AVE 65TH INF RIO PIEDRAS, PR 00981	1,258 ft	18.395076	-66.044362	No biennial report data, No NAICS Codes available, No Waste codes Available. Last Updated: March 6, 2025.
15	COLEGIO SAN JOSE	RCRA	MARIANIST SOCIETY INC	CALLE ZMEZQUITA ESQUINA PAZ, RIO PIEDRAS, PR 00925	686 ft	18.396483	-66.046923	No biennial report data, No NAICS Codes available, No Waste codes Available. Last Updated: March 6, 2025.
16	PRASA - SJ1A SAGRADO CORAZON FACILITY	RCRA	PRASA	SAN JOSE ST VILLA PALMERAS SAN JUAN, PR 00925	964 ft	18.39562	-66.04411	No biennial report data, No NAICS Codes available, No Waste codes Available. Last Updated: March 6, 2025.
17	WALGREENS STORE 891	RCRA	WALGREENS	65 INFANTERIA CORNER BARBOSA RIO PIEDRAS, PR 00924	1,187 ft	18.395009	-66.042887	**Hazardous Waste Generator:** Very Small Quantity Generator. No biennial report data, NAICS Codes 456110 (PHARMACIES AND DRUG RETAILERS), Waste D001 (IGNITABLE WASTE) , D002 (CORROSIVE WASTE), D007 (CHROMIUM), D009 (MERCURY), D010 (SELENIUM), D016 (2,4-D (2,4-DICHLOROPHENEXYACETIC ACID), D035 (METHYL ETHYL KETONE), P001 (2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%), P075 (NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS). Last Updated: March 6, 2025.
18	COLEGIO DE LA MILAGROSA	RCRA	COLEGIO DE LA MILAGROSA	107 DE DIEGO RIO PIEDRAS, PR 00925-3303	Inside the project limits	18.398494	-66.048478	No biennial report data, No NAICS Codes available, No Waste codes Available. Last Updated: March 6, 2025.
19	FARMACIA EL AMAL #27	RCRA	FARMACIA EL AMAL #27	79 ARZUAGA ST RIO PIEDRAS, PR 00925	210 ft	18.39777	-66.04983	**Hazardous Waste Generator**: Very Small Quantity Generator. No biennial report data, No NAICS Codes available, No Waste codes Available. Last Updated: March 6, 2025.
20	CMS DR JAVIER JAVIER ANTON	RCRA	MUNICIPIO DE SAN JUAN	#1 PINERO ST COR VALLEJO ST RIO PIEDRAS, PR 00928	512 ft	18.39687	-66.051867	**Hazardous Waste Generator**: Very Small Quantity Generator. No biennial report data, NAICS Code 92119 (OTHER GENERAL GOVERNMENT SUPPORT), No Waste codes Available. In accordance with the ECHO Report this facility is in compliance, no violation identifiedin the last 5 years. Last Updated: March 6, 2025.

Paseo de Diego (PR-CRP-000956)

Table that Summarizes all the ECHO Report

Map ID	Facility Name	EPA Facilities	Dueño	Address	Approximate distance from project site	Coordinates Lat:	Coordinates Long:	Information
21	VENEZUELA SS	RCRA	PEDRO RODRIGUEZ	1203 PONCE DE LEON AVE RIO PIEDRAS, PR 00926	1,223 ft	18.39617	-66.05382	No biennial report data, No NAICS Codes available, No Waste codes Available. In accordance with the ECHO Report this facility is in compliance, no violation identifiedin the last 5 years. Last Updated: March 6, 2025.
22	GOMEZ HERMANOS METRO INC	RCRA	GOMEZ HERMANOS METRO INC	AVE MUNOZ RIVERA #1088 RIO PIEDRAS, PR 00927-5016	1,269 ft	18.397971	-66.055856	**Hazardous Waste Generator:** Very Small Quantity Generator. **Active VSQG** (PRR000002386). No biennial report data, No NAICS Codes available, No Waste codes available. In accordance with the ECHO Report this facility is in compliance, no violation identifiedin the last 5 years. Last Updated: March 6, 2025.
23	Reconstruction Of Highway Pr-3 65 De Infanteria Avenue	NPDES		HIGHWAY PR-3 65 DE INFANTERIA AVENUE, SAN JUAN-CAROLINA, PR 00923	975 ft	18.3964	-66.0531	ICIS NPDES (IDENTIFIER:110070080194) General Permit Covered Facility, Status: Terminated; Compliance Tracking Off. Three-year Compiance: No Violation Identified (Terminated Permit), Compliance Summary Data aviable untill december 31, 2024.. Last Updated: March 6, 2025.

Field Visit Checklist & Site Evaluation

Project Name:	Paseo de Diego (PR-CRP-000956)			Latitude:	18.398447°		
First Name:	Olga	Last Name:	Angueira	Longitude:	-66.048053°		
Street Address:	Río Piedras ward between the Juan Ponce de Leon Avenue and Barbosa Avenue			Apt/Suite:			
City:	San Juan, Rio Piedras			State:	PR	Zip:	00918
Date of Visit:	Marzo 3, 2024		Field Visit Conducted By:	Olga Angueria			

EXISTING ENVIRONMENTAL CONDITIONS ON & AROUND SITE

Levee/Flood Control Structures (Levees, T-walls, pumping stations, etc.)

	Site Specific	Area
Observations	N/A	N/A

Toxic Chemicals & Radioactive Materials

Petroleum or Chemical Storage

	Site Specific	Area
Is there any evidence or indication of an underground storage tank (UST) may be located on site?	No, the site does not present any evidence or indicator of an underground storage tank, located on site.	N/A
If yes, are they in use?	N/A	N/A
Are there any out-of-service underground fuel tanks?	No, there are not out of service underground fuel tanks on site.	N/A
Is there any evidence that any AST on the property are leaking?	No, no AST leaking on the property.	N/A

Polychlorinated Biphenyls (PCB):

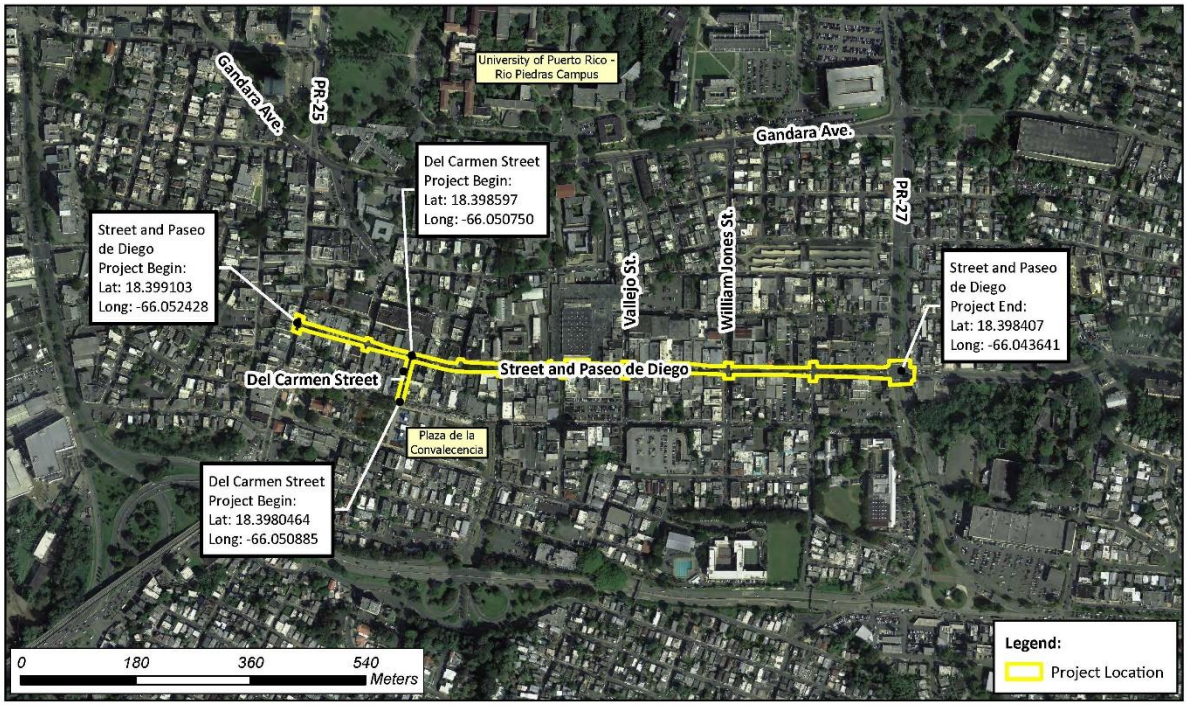
	Site Specific	Area
Is there any evidence or indication of leaking electrical equipment (transformer - ground or pole mounted, capacitor, or hydraulic equipment) present on site?	N/A	N/A

Hazardous Operations

	Site Specific	Area
Is there any evidence of manufacturing operations utilizing or producing hazardous substances at or in close proximity to the site?	No, there is no evidence of manufacturing operation or producing hazardous substances.	N/A
Is there any evidence or indication that past operations located on or in close proximity to the property used hazardous substances or radiological materials that may have been released into the environment?	There is no evidence or indication that past operations located on or in close proximity to the property used hazardous substances or radiological materials that may have been released into de environment.	N/A

Notes/Observations:

Photograph 1



City Revitalization Program - Street and Paseo de Diego Rehabilitation (CRP-000956)

San Juan, Puerto Rico

INTEGRA DESIGN GROUP PSC
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Aerial Photo

SHEET INFORMATION	
DATE SUBMITTED: 1/17/2024	PROJECT NO. CRP-000956
SCALE: 1:7,000	DESCRIPTION AERIAL PHOTO

Photographs

Applicant ID: PR-CRP-000956

Applicant ID: PR-CRP-000956

Applicant ID: PR-CRP-000956

Applicant ID: PR-CRP-000956

Applicant ID: PR-CRP-000956

Applicant ID: PR-CRP-000956

Applicant ID: PR-CRP-000956

Applicant ID: PR-CRP-000956

ACTIVE SITES LUST LIST

2020

UST ID	NAME	CITY	ADDRESS	OWNER	HOWKNOWN	DTKNOWN
86-0241	Gulf #005	Río Piedras	65TH Inf. & Ave Campo Rico	Caribbean Petroluem Corp.	UST Removal	16-Dec-99
86-0243	Gulf s/s 0007	Río Piedras	Carr 21 Ave De Diego	Caribbean Petroleum Corp	UST Removal	10-May-99
86-0378	Colón S/S	San Juan	Roosevelt & Barbosa	Angel L. Colón	Spill	25-Jun-97
86-0659	Horacio Pastrana	San Juan	Ave. De Diego Esq Padre Capuchino	Horacio Pastrana	UST Removal	1-Nov-04
86-1270	Esso 3P-198	San Juan	Ave Barbosa esq Ave. De Diego	Esso Standard Oil	UST Removal	21-Oct-08
86-1271	Esso 2P-199	San Juan	Ave. Barbosa Esq. Emanuelli	Esso Standard Oil Co.	Near Construction	10-Mar-03
91-0137	Gasolinas Puerto Rico	Río Piedras	Río Piedras	Gasolinas Puerto Rico	UST Removal	30-Aug-99

Referencia: https://www.drna.pr.gov/wp-content/uploads/2021/01/Active-Sites-LUST-List-20201.pdf

RCRAInfo Facility

Facility Information

CARIBBEAN DATA GROUP
Handler ID: PRR000001545
1129 MUNOZ RIVERA AVE
RIO PIEDRAS, PR 00925-2789
County Name: SAN JUAN
Latitude: 18.399432
Longitude: -66.056004
Hazardous Waste Generator:
Owner Name: MARIA ELISA SUAREZ

BIENNIAL REPORT SUMMARY

No Biennial Report data is available for the facility listed above.

LIST OF FACILITY CONTACTS

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
	MUNOZ RIVERA AVE	RIO PIEDRAS	PR	00925		Public
	MUNOZ RIVERA AVE	RIO PIEDRAS	PR	00925		Permit

HANDLER / FACILITY CLASSIFICATION

Unspecified Universe for the facility listed above.

HANDLER TYPE
Not in a universe

LIST OF PROCESS UNIT INFORMATION FOR GROUP <https://epa.gov/envirofacts/metadata/table/rcra/rcr_pm_unit>

No Process Information is available for the facility listed above.

LIST OF NAICS CODES AND DESCRIPTIONS

No NAICS Codes are available for the facility listed above.

LIST OF WASTE CODES AND DESCRIPTIONS

No Waste Codes are available for the facility listed above.

RCRAInfo Facility

Facility Information

CARIBBEAN PETROLEUM LP SS GULF 005
Handler ID: PRR000008573
CARR 3 KM 5.1 AVE 65TH INF
RIO PIEDRAS, PR 00981
County Name: SAN JUAN
Latitude: 18.395076
Longitude: -66.044362
Hazardous Waste Generator:
Owner Name: CARIBBEAN PETROLEUM LP

BIENNIAL REPORT SUMMARY

No Biennial Report data is available for the facility listed above.

LIST OF FACILITY CONTACTS

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
	PO BOX 364049	SAN JUAN	PR	00936-4049		Public
	PO BOX 364049	SAN JUAN	PR	00936-4049		Permit

HANDLER / FACILITY CLASSIFICATION

Unspecified Universe for the facility listed above.

HANDLER TYPE
Not in a universe

LIST OF PROCESS UNIT INFORMATION FOR GROUP <https://epa.gov/envirofacts/metadata/table/rcra/rcr_pm_unit>

No Process Information is available for the facility listed above.

LIST OF NAICS CODES AND DESCRIPTIONS

No NAICS Codes are available for the facility listed above.

LIST OF WASTE CODES AND DESCRIPTIONS

No Waste Codes are available for the facility listed above.

RCRAInfo Facility

Facility Information

CMS DR JAVIER JAVIER ANTON
Handler ID: PRD987381563
#1 PINERO ST COR VALLEJO ST
RIO PIEDRAS, PR 00928
County Name: SAN JUAN
Latitude: 18.39687
Longitude: -66.051867
Hazardous Waste Generator: Very Small Quantity Generator
Owner Name: MUNICIPIO DE SAN JUAN

BIENNIAL REPORT SUMMARY

No Biennial Report data is available for the facility listed above.

LIST OF FACILITY CONTACTS

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
MANUEL GUZMAN	#1 PINERO ST COR VALLEJO ST	RIO PIEDRAS	PR	00928	787-763-4242 x2214	Public
MANUEL GUZMAN	#1 PINERO ST COR VALLEJO ST	RIO PIEDRAS	PR	00928	787-763-4242, 2214	Permit

HANDLER / FACILITY CLASSIFICATION

Unspecified Universe for the facility listed above.

No Handler information is available for the facility listed above.

LIST OF PROCESS UNIT INFORMATION FOR GROUP <https://epa.gov/envirofacts/metadata/table/rcra/rcr_pm_unit>

No Process Information is available for the facility listed above.

LIST OF NAICS CODES AND DESCRIPTIONS

NAICS CODE	NAICS DESCRIPTION
92119	OTHER GENERAL GOVERNMENT SUPPORT

LIST OF WASTE CODES AND DESCRIPTIONS

No Waste Codes are available for the facility listed above.

Detailed Facility Report

Facility Summary

CMS DR JAVIER JAVIER ANTON

#1 PINERO ST COR VALLEJO ST, RIO PIEDRAS, PR 00928

FRS (Facility Registry Service) ID: 110007813143

EPA Region: 02

Latitude: 18.39687

Longitude: -66.051867

Locational Data Source: RCRAINFO

Industries: Executive, Legislative, and Other General Government Support

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	12/08/2005
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, (PRD987381563)

Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details

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

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007813143					N	18.39687	-66.051867
RCRAInfo	RCRA	PRD987381563	VSQG	Active (H)			N	18.39687	-66.051867

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007813143	CMS DR JAVIER JAVIER ANTON	#1 PINERO ST COR VALLEJO ST, RIO PIEDRAS, PR 00928	San Juan Municipio
RCRAInfo	RCRA	PRD987381563	CMS DR JAVIER JAVIER ANTON	#1 PINERO ST COR VALLEJO ST, RIO PIEDRAS, PR 00928	San Juan 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	PRD987381563	92119	Other General Government Support

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	PRD987381563	No	04/05/2025	0	04/04/2025

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	QTR 12+
RCRA (Source ID: PRD987381563)		04/01-06/30/22	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	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	20,481
Population Density	6,574/sq.mi.
Housing Units in Area	14,263
Percent People of Color	99%
Households in Area	9,253
Households on Public Assistance	291
Persons With Low Income	13,620
Percent With Low Income	70%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.39687
Center Longitude	-66.051867
Total Area	--
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	3,853 (41.67%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	506 (2%)
Minors 17 years and younger	2,360 (12%)
Adults 18 years and older	18,119 (88%)
Seniors 65 years and older	5,307 (26%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	10,697 (52%)
African-American	0 (0%)
Hispanic-Origin	20,187 (99%)
Asian	70 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	95 (0%)
Other/Multiracial	4,154 (20%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	2,245 (14.64%)
9th through 12th Grade	1,017 (6.63%)
High School Diploma	2,580 (16.83%)
Some College/2-year	1,309 (8.54%)

Income Breakdown (ACS (American Community Survey)) - Households (%)	
$15,000 - $25,000	1,500 (16.22%)
$25,000 - $50,000	2,370 (25.63%)
$50,000 - $75,000	665 (7.19%)
Greater than $75,000	859 (9.29%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	6,266 (40.86%)

RCRAInfo Facility

Facility Information

COLEGIO DE LA MILAGROSA
Handler ID: PRR000001339
107 DE DIEGO
RIO PIEDRAS, PR 00925-3303
County Name: SAN JUAN
Latitude: 18.398494
Longitude: -66.048478
Hazardous Waste Generator:
Owner Name: COLEGIO DE LA MILAGROSA

BIENNIAL REPORT SUMMARY

No Biennial Report data is available for the facility listed above.

LIST OF FACILITY CONTACTS

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
	DE DIEGO	RIO PIEDRAS	PR	00928		Public
	DE DIEGO	RIO PIEDRAS	PR	00928		Permit

HANDLER / FACILITY CLASSIFICATION

Unspecified Universe for the facility listed above.

HANDLER TYPE
Not in a universe

LIST OF PROCESS UNIT INFORMATION FOR GROUP <https://epa.gov/envirofacts/metadata/table/rcra/rcr_pm_unit>

No Process Information is available for the facility listed above.

LIST OF NAICS CODES AND DESCRIPTIONS

No NAICS Codes are available for the facility listed above.

LIST OF WASTE CODES AND DESCRIPTIONS

No Waste Codes are available for the facility listed above.

RCRAInfo Facility

Facility Information

COLEGIO SAN JOSE
Handler ID: PRD987375086
CALLE AMEZQUITA ESQUINA PAZ
RIO PIEDRAS, PR 00925
County Name: SAN JUAN
Latitude: 18.396483
Longitude: -66.046923
Hazardous Waste Generator:
Owner Name: MARIANIST SOCIETY INC

BIENNIAL REPORT SUMMARY

No Biennial Report data is available for the facility listed above.

LIST OF FACILITY CONTACTS

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
	PO BOX 21300	RIO PIEDRAS	PR	00928		Public
	PO BOX 21300	RIO PIEDRAS	PR	00928		Permit

HANDLER / FACILITY CLASSIFICATION

Unspecified Universe for the facility listed above.

HANDLER TYPE
Not in a universe

LIST OF PROCESS UNIT INFORMATION FOR GROUP <https://epa.gov/envirofacts/metadata/table/rcra/rcr_pm_unit>

No Process Information is available for the facility listed above.

LIST OF NAICS CODES AND DESCRIPTIONS

No NAICS Codes are available for the facility listed above.

LIST OF WASTE CODES AND DESCRIPTIONS

No Waste Codes are available for the facility listed above.

ICIS Detailed Report

Facility

FACILITY NAME (1) <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/facility_name>	DE DIEGO VILLAGE	**NPDES** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/external_permit_nmbr>	PRR1000A2
STREET 1 <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/location_address>	61 DE DIEGO STREET	**SIC CODE** <https://epa.gov/envirofacts/metadata/column/icis/xref_facility_interest_sic/sic_code>	
CITY <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/city>	SAN JUAN	**MAJOR / MINOR** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/major_minor_status_flag>	N
COUNTY NAME <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/county_code>		**TYPE OF OWNERSHIP** <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/facility_type_code>	
STATE <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/state_code>	PR	**ACTIVITY STATUS** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/permit_status_code>	Effective
ZIP CODE <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/zip>	00925	**INACTIVE DATE** <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_comp_status/status_end_date>	
REGION <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/epa_region_code>	Region 2	**TYPE OF PERMIT ISSUED** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/permit_type_code>	General Permit Covered Facility
LATITUDE <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/geocode_latitude>	18.3991	**ORIGINAL PERMIT ISSUE DATE** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/original_issue_date>	03-JUL-2020
LONGITUDE <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/geocode_longitude>	-66.0509	**PERMIT ISSUED DATE** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/issue_date>	30-MAY-2022
LAT/LON CODE OF ACCURACY <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/horizontal_accuracy_measure>		**PERMIT EXPIRED DATE** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/expiration_date>	16-FEB-2027
LAT/LON METHOD <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/horizontal_collect_method_code>	INTERPOLATION-MAP		
LAT/LON SCALE <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/source_map_scale_nmbr>		**USGS HYDRO BASIN CODE** <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/huc_code>	
LAT/LON DATUM <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/horizontal_ref_datum_code>	WGS84	**FLOW** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/total_design_flow_nmbr>	
RECEIVING WATERS <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/state_water_body_name>		**FEDERAL GRANT IND** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/federal_grant_flag>	
PRETREATMENT CODE <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_pretreatment/pretreatment_indicator_code>		**SLUDGE CLASS FAC IND** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/facility_type_indicator>	NON-POTW
MAILING NAME <https://epa.gov/envirofacts/metadata/column/frs/frs_program_facility/primary_name>	DE DIEGO VILLAGE	**SLUDGE RELATED PERMIT NUM** <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_association/related_external_permit_nmbr>	
MAILING STREET (1) <https://epa.gov/envirofacts/metadata/column/frs/frs_program_facility/location_address>	61 DE DIEGO STREET	**ANNUAL DRY SLUDGE PROD** <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_biosolid/total_volume_amt>	
MAILING STREET (2) <https://epa.gov/envirofacts/metadata/column/frs/frs_program_facility/supplemental_location>			
MAILING CITY <https://epa.gov/envirofacts/metadata/column/frs/frs_program_facility/city_name>	SAN JUAN		
MAILING STATE <https://epa.gov/envirofacts/metadata/column/frs/frs_program_facility/state_name>	PUERTO RICO		
MAILING ZIP CODE <https://epa.gov/envirofacts/metadata/column/frs/frs_program_facility/postal_code>	00925		
COGNIZANT OFFICIAL <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/dmr_cognizant_official>		**COGNIZANT OFFICIAL TEL** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/dmr_cognizant_offcl_telephone>	

Activity

FACILITY NAME (1) <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/facility_name>	DE DIEGO VILLAGE	**NPDES** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/external_permit_nmbr>	PRR1000A2

Activity Name <https://epa.gov/envirofacts/metadata/column/icis/icis_activity_report/activity_name>	Activity Type Description <https://epa.gov/envirofacts/metadata/column/icis/ref_activity_type/activity_type_desc>	Activity Status Description <https://epa.gov/envirofacts/metadata/column/icis/icis_activity_report/a
	Permit	Active
	Permit	Active

Contacts —

FACILITY NAME (1) <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/facility_name>	DE DIEGO VILLAGE	NPDES <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/external_permit_nmbr>	PRR1000A2

First Name <https://epa.gov/envirofacts/metadata/column/icis/icis_contact/first_name>	Last Name <https://epa.gov/envirofacts/metadata/column/icis/icis_contact/last_name>	Organization Formal Name <https://epa.gov/envirofacts/metadata/column/icis/icis_contact/organization_formal_name>	T
Luis	Colon	CARIBE ENVIRONMENTAL SERVICES	7
Annette	Fernandez	AVA Environmental Consultants, Inc.	7
Carlos	Garcia	De Diego Village, LLC	7
Carlos	Garcia	De Diego Village, LLC	7

Permit Tracking —

FACILITY NAME (1) <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/facility_name>	DE DIEGO VILLAGE	NPDES <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/external_permit_nmbr>	PRR1000A2
PERMIT ISSUED BY <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/issuing_agency>	U.S. EPA	ORIGINAL DATE OF ISSUE <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/original_issue_date>	03-JUL-2020
PERMIT ISSUED DATE <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/issue_date>	03-JUL-2020	PERMIT EXPIRED DATE <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/expiration_date>	15-FEB-2022
EFFECTIVE DATE <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/effective_date>	03-JUL-2020	RETIREMENT DATE <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/retirement_date>	29-MAY-2022

FACILITY NAME (1) <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/facility_name>	DE DIEGO VILLAGE	NPDES <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/external_permit_nmbr>	PRR1000A2
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PERMIT ISSUED DATE <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/issue_date>	30-MAY-2022	PERMIT EXPIRED DATE <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/expiration_date>	16-FEB-2027
EFFECTIVE DATE <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/effective_date>	30-MAY-2022	RETIREMENT DATE <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/retirement_date>	

Permit Tracking Events

Event Description <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_track_event/perm_track_event_code>	Event Date <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_track_event/track_event_date>
Permit Expiration	16-FEB-2027
Permit Effective	30-MAY-2022
Permit Issued	30-MAY-2022
Permit Reissued	30-MAY-2022
Permit Retired	29-MAY-2022
Application/NOI Complete	16-MAY-2022
Application/NOI Received	16-MAY-2022
Permit Expiration	15-FEB-2022
Permit Effective	03-JUL-2020
Permit Issued	03-JUL-2020
Application/NOI Complete	19-JUN-2020
Application/NOI Received	19-JUN-2020

Inspections —

FACILITY NAME (1) <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/facility_name>	DE DIEGO VILLAGE	**NPDES** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/external_permit_nmbr>	PRR1000A2

No Inspections Found.

Outfalls/Pipe Schedules —

FACILITY NAME (1) <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/facility_name>	DE DIEGO VILLAGE	**NPDES** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/external_permit_nmbr>	PRR1000A2
OUTFALL TYPE <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature/perm_feature_type_code>	External Outfall	**PIPE NUMBER** <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature/perm_feature_nmbr>	001
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LATITUDE <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature_coord/latitude_measure>		**LONGITUDE** <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature_coord/longitude_measure>	
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FACILITY NAME (1) <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/facility_name>	DE DIEGO VILLAGE	**NPDES** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/external_permit_nmbr>	PRR1000A2
OUTFALL TYPE <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature/perm_feature_type_code>	External Outfall	**PIPE NUMBER** <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature/perm_feature_nmbr>	001
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INIT REPORTING DATE <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set_schedule/initial_monitoring_date>		**REPORTING UNITS** <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set/report_frequency_code>	
UNITS IN REPORTING PERIOD <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set_schedule/nmbr_of_report>		**DMR COMMENT** <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set/dmr_comment_text>	

FACILITY NAME (1) <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/facility_name>	DE DIEGO VILLAGE	**NPDES** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/external_permit_nmbr>	PRR1000A2
OUTFALL TYPE <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature/perm_feature_type_code>	External Outfall	**PIPE NUMBER** <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature/perm_feature_nmbr>	002

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FACILITY NAME (1) <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/facility_name>	DE DIEGO VILLAGE	**NPDES** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/external_permit_nmbr>	PRR1000A2
OUTFALL TYPE <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature/perm_feature_type_code>	External Outfall	**PIPE NUMBER** <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature/perm_feature_nmbr>	002
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LAT/LON SCALE <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature_coord/source_map_scale_nmbr>		**LAT/LON DATUM** <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature_coord/horizontal_ref_datum_code>	
INACTIVE DATE <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_comp_status/status_end_date>		**USGS HYDRO BASIN CODE** <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/huc_code>	
INIT DMR DUE DATE <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set_schedule/initial_dmr_due_date>		**SUBMISSION UNITS** <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set/report_frequency_code>	
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FACILITY NAME (1) <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/facility_name>	DE DIEGO VILLAGE	**NPDES** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/external_permit_nmbr>	PRR1000A2
OUTFALL TYPE <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature/perm_feature_type_code>	External Outfall	**PIPE NUMBER** <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature/perm_feature_nmbr>	003
ACTIVITY STATUS <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set_status/status_flag>		**REPORT DESIGNATOR** <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set/limit_set_designator>	
LATITUDE <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature_coord/latitude_measure>		**LONGITUDE** <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature_coord/longitude_measure>	
LAT/LON ACCURACY <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature_coord/horizontal_accuracy_measure>		**LAT/LON METHOD** <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature_coord/horizontal_collect_method_code>	
LAT/LON SCALE <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature_coord/source_map_scale_nmbr>		**LAT/LON DATUM** <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature_coord/horizontal_ref_datum_code>	
INACTIVE DATE <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_comp_status/status_end_date>		**USGS HYDRO BASIN CODE** <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/huc_code>	
INIT DMR DUE DATE <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set_schedule/initial_dmr_due_date>		**SUBMISSION UNITS** <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set/report_frequency_code>	

PIPE DESCRIPTION <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature/perm_feature_text>		**UNITS IN SUBM. PERIOD** <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set_schedule/nmbr_of_submission>	
INIT REPORTING DATE <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set_schedule/initial_monitoring_date>		**REPORTING UNITS** <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set/report_frequency_code>	
UNITS IN REPORTING PERIOD <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set_schedule/nmbr_of_report>		**DMR COMMENT** <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set/dmr_comment_text>	

Limits Report (Pipes) —

FACILITY NAME (1) <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/facility_name>	DE DIEGO VILLAGE	**NPDES** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/external_permit_nmbr>	PRR1000A2
PIPE NUMBER <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature/perm_feature_nmbr>	001		
PIPE DESCRIPTION <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature/perm_feature_text>		**REPORT DESIGNATOR** <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set/limit_set_designator>	
DMR COMMENT <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set/dmr_comment_text>		**LIMIT SET TYPE** <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set/limit_set_type_code>	

No ICIS Limits Report Found.

Limits Report (Dockets) —

No ICIS Limits Information Found.

Measurements and Violations —

No ICIS Measurements Information Found.

Compliance Schedules and Violations —

FACILITY NAME (1) <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/facility_name>	DE DIEGO VILLAGE	**NPDES** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/external_permit_nmbr>	PRR1000A2

No Compliance Schedules Found.

No Compliance Violations Found.

Pretreatment Inspections/Audits —

FACILITY NAME (1) <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/facility_name>	DE DIEGO VILLAGE	**NPDES** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/external_permit_nmbr>	PRR1000A2

No ICIS Pretreatment Inspections Found.

Pretreatment Performance Summary —

FACILITY NAME (1) <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/facility_name>	DE DIEGO VILLAGE	**NPDES** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/external_permit_nmbr>	PRR1000A2

No ICIS Pretreatment Performance Summary Information Found.

Detailed Facility Report

Facility Summary

DE DIEGO VILLAGE

61 DE DIEGO STREET, SAN JUAN, PR 00925

FRS (Facility Registry Service) ID: 110070816261

EPA Region: 02

Latitude: 18.3991

Longitude: -66.0509

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 (PRR1000A2), Non-Major, Permit Terminated; Compliance Tracking Off (PRR1000B7)

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		110070816261					N	18.3991	-66.0509
ICIS-NPDES	CWA	PRR1000A2	Non-Major: General Permit Covered Facility	Effective	Construction Stormwater	02/16/2027	N	18.3991	-66.0509
ICIS-NPDES	CWA	PRR1000B7	Non-Major: General Permit Covered Facility	Terminated; Compliance Tracking Off	Construction Stormwater	02/16/2027	N	18.3991	-66.0509

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110070816261	DE DIEGO VILLAGE	61 DE DIEGO STREET, SAN JUAN, PR 00925	San Juan Municipio
ICIS-NPDES	CWA	PRR1000A2	DE DIEGO VILLAGE	61 DE DIEGO STREET, SAN JUAN, PR 00925	
ICIS-NPDES	CWA	PRR1000B7	DE DIEGO VILLAGE	61 DE DIEGO STREET, SAN JUAN, PR 00925	

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	PRR1000A2	No	12/31/2024	0	04/04/2025
CWA	PRR1000B7	No	12/31/2024	0	04/04/2025

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	QTR 12	QTR 13+
CWA (Source ID: PRR1000A2)		01/01-03/31/22	04/01-06/30/22	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	01/01-04/04/25
	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	No Violation Identified	Undetermined
	Quarterly Noncompliance Report History													
CWA (Source ID: PRR1000B7)		01/01-03/31/22	04/01-06/30/22	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	01/01-04/04/25
	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	Unknown	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit
	Quarterly Noncompliance Report History									Undetermined	Undetermined			

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?
21010050502	Rio Puerto Nuevo at mouth	RIO PIEDRAS (SAN JUAN BAY ESTUARY PREE13A2)	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	PREE13A2	SAN JUAN BAY ESTUARY	Impaired - 303(d) Listed - With Restoration Plan	MERCURY | METALS (OTHER THAN MERCURY) | NUTRIENTS | OIL AND GREASE | ORGANIC ENRICHMENT/OXYGEN DEPLETION | OTHER CAUSE | PATHOGENS | TEMPERATURE | TURBIDITY	Not Supporting	Not Supporting	--	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	22,342
Population Density	7,170/sq.mi.
Housing Units in Area	15,528
Percent People of Color	99%
Households in Area	10,143

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	543 (2%)
Minors 17 years and younger	2,528 (11%)
Adults 18 years and older	19,812 (89%)
Seniors 65 years and older	5,867 (26%)

General Statistics (ACS (American Community Survey))	
Households on Public Assistance	354
Persons With Low Income	14,819
Percent With Low Income	70%
Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.3991
Center Longitude	-66.0509
Total Area	--
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	4,229 (41.69%)
$15,000 - $25,000	1,599 (15.76%)
$25,000 - $50,000	2,598 (25.61%)
$50,000 - $75,000	755 (7.44%)
Greater than $75,000	964 (9.5%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	11,762 (53%)
African-American	0 (0%)
Hispanic-Origin	22,036 (99%)
Asian	63 (0%)
Hawaiian/Pacific Islander	7 (0%)
American Indian	104 (0%)
Other/Multiracial	4,565 (20%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	2,438 (14.43%)
9th through 12th Grade	1,088 (6.44%)
High School Diploma	2,853 (16.89%)
Some College/2-year	1,411 (8.35%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	6,958 (41.19%)

RCRAInfo Facility

Facility Information

ESCUELA SUPERIOR RAMON VILA MAYO
Handler ID: PRR000025106
AVE GANDARA ESQUINA CALLE
RIO PIEDRAS, PR 00936
County Name: SAN JUAN
Latitude: 18.401706
Longitude: -66.045275
Hazardous Waste Generator:
Owner Name: DEPARTMENTO DE EDUCACION

BIENNIAL REPORT SUMMARY

No Biennial Report data is available for the facility listed above.

LIST OF FACILITY CONTACTS

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
JOSE M CINTRON NORIEGA	PO BOX 190759	HATO REY	PR	00919	787-281-7575 x228	Public
JOSE CINTRON NORIEGA	PO BOX 190759	HATO REY	PR	00919	787-281-7575, 228	Permit

HANDLER / FACILITY CLASSIFICATION

Unspecified Universe for the facility listed above.

No Handler information is available for the facility listed above.

LIST OF PROCESS UNIT INFORMATION FOR GROUP <https://epa.gov/envirofacts/metadata/table/rcra/rcr_pm_unit>

No Process Information is available for the facility listed above.

LIST OF NAICS CODES AND DESCRIPTIONS

NAICS CODE	NAICS DESCRIPTION
611110	ELEMENTARY AND SECONDARY SCHOOLS

LIST OF WASTE CODES AND DESCRIPTIONS

WASTE CODE	WASTE DESCRIPTION
D009	MERCURY

RCRAInfo Facility

Facility Information

ESSO STANDARD OIL CO - PR DO-200
Handler ID: PRR000008458
AVE BARBOSA 621
RIO PIEDRAS, PR 00925
County Name: SAN JUAN
Latitude: 18.4019
Longitude: -66.0435
Hazardous Waste Generator:
Owner Name: DANILO MENDOZA

BIENNIAL REPORT SUMMARY

No Biennial Report data is available for the facility listed above.

LIST OF FACILITY CONTACTS

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
	AVE BARBOSA 621	RIO PIEDRAS	PR	00925		Public
	AVE BARBOSA 621	RIO PIEDRAS	PR	00925		Permit

HANDLER / FACILITY CLASSIFICATION

Unspecified Universe for the facility listed above.

HANDLER TYPE
Not in a universe

LIST OF PROCESS UNIT INFORMATION FOR GROUP <https://epa.gov/envirofacts/metadata/table/rcra/rcr_pm_unit>

No Process Information is available for the facility listed above.

LIST OF NAICS CODES AND DESCRIPTIONS

No NAICS Codes are available for the facility listed above.

LIST OF WASTE CODES AND DESCRIPTIONS

No Waste Codes are available for the facility listed above.

RCRAInfo Facility

Facility Information

ESSO STANDARD OIL CO PR 3P-198
Handler ID: PRR000017582
1072 DE DIEGO ESQ BARBOSA
RIO PIEDRAS, PR 00928
County Name: SAN JUAN
Latitude: 18.398403
Longitude: -66.043562
Hazardous Waste Generator: Very Small Quantity Generator
Owner Name: JOSE GARRIDO MONGE

BIENNIAL REPORT SUMMARY

No Biennial Report data is available for the facility listed above.

LIST OF FACILITY CONTACTS

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
MELIZA PEREZ	PO BOX 364269	GUAYNABO	PR	00936-4269	787-792-2920 x8947	Public

HANDLER / FACILITY CLASSIFICATION

Unspecified Universe for the facility listed above.

No Handler information is available for the facility listed above.

LIST OF PROCESS UNIT INFORMATION FOR GROUP <https://epa.gov/envirofacts/metadata/table/rcra/rcr_pm_unit>

No Process Information is available for the facility listed above.

LIST OF NAICS CODES AND DESCRIPTIONS

NAICS CODE	NAICS DESCRIPTION
44719	OTHER GASOLINE STATIONS

LIST OF WASTE CODES AND DESCRIPTIONS

No Waste Codes are available for the facility listed above.

Detailed Facility Report

Facility Summary

ESSO STANDARD OIL CO PR 3P-198

1072 DE DIEGO ESQ BARBOSA, RIO PIEDRAS, PR 00928

FRS (Facility Registry Service) ID: 110021015202

EPA Region: 02

Latitude: 18.398403

Longitude: -66.043562

Locational Data Source: RCRAINFO

Industries: Gasoline Stations

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, (PRR000017582)

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		110021015202					N	18.398403	-66.043562
RCRAInfo	RCRA	PRR000017582	VSQG	Active (H)			N	18.398403	-66.043562

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110021015202	ESSO STANDARD OIL CO PR 3P-198	1072 DE DIEGO ESQ BARBOSA, RIO PIEDRAS, PR 00928	San Juan Municipio
RCRAInfo	RCRA	PRR000017582	ESSO STANDARD OIL CO PR 3P-198	1072 DE DIEGO ESQ BARBOSA, RIO PIEDRAS, PR 00928	San Juan 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	PRR000017582	44719	Other Gasoline Stations

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	PRR000017582	No	04/05/2025	0	04/04/2025

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	QTR 12+
RCRA (Source ID: PRR000017582)		04/01-06/30/22	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	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	28,539
Population Density	9,149/sq.mi.
Housing Units in Area	17,987
Percent People of Color	99%
Households in Area	12,316
Households on Public Assistance	421
Persons With Low Income	19,819
Percent With Low Income	72%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.398403
Center Longitude	-66.043562
Total Area	--
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	5,280 (42.86%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	834 (3%)
Minors 17 years and younger	4,165 (15%)
Adults 18 years and older	24,374 (85%)
Seniors 65 years and older	7,176 (25%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	14,831 (52%)
African-American	0 (0%)
Hispanic-Origin	28,189 (99%)
Asian	56 (0%)
Hawaiian/Pacific Islander	6 (0%)
American Indian	86 (0%)
Other/Multiracial	5,828 (20%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	2,789 (13.33%)
9th through 12th Grade	1,443 (6.9%)
High School Diploma	4,136 (19.78%)
Some College/2-year	2,233 (10.68%)

Income Breakdown (ACS (American Community Survey)) - Households (%)	
$15,000 - $25,000	1,959 (15.9%)
$25,000 - $50,000	3,082 (25.02%)
$50,000 - $75,000	944 (7.66%)
Greater than $75,000	1,053 (8.55%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	7,547 (36.08%)

RCRAInfo Facility

Facility Information

FARMACIA EL AMAL #27
Handler ID: PRR000013888
79 ARZUAGA ST
RIO PIEDRAS, PR 00925
County Name: SAN JUAN
Latitude: 18.39777
Longitude: -66.04983
Hazardous Waste Generator: Very Small Quantity Generator
Owner Name: FARMACIA EL AMAL #27

BIENNIAL REPORT SUMMARY

No Biennial Report data is available for the facility listed above.

LIST OF FACILITY CONTACTS

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
NANCY MORALES	ARZUAGA ST	RIO PIEDRAS	PR	00925	787-765-6306	Public
NANCY MORALES	ARZUAGA ST	RIO PIEDRAS	PR	00925	787-765-6306	Permit

HANDLER / FACILITY CLASSIFICATION

Unspecified Universe for the facility listed above.

No Handler information is available for the facility listed above.

LIST OF PROCESS UNIT INFORMATION FOR GROUP <https://epa.gov/envirofacts/metadata/table/rcra/rcr_pm_unit>

No Process Information is available for the facility listed above.

LIST OF NAICS CODES AND DESCRIPTIONS

No NAICS Codes are available for the facility listed above.

LIST OF WASTE CODES AND DESCRIPTIONS

No Waste Codes are available for the facility listed above.

RCRAInfo Facility

Facility Information

GENERAL ELECTRIC INTL - RIO PIEDRAS
Handler ID: PRD090093931
1086 MUNOZ RIVERA
RIO PIEDRAS, PR 00927-5016
County Name: SAN JUAN
Latitude: 18.399872
Longitude: -66.056277
Hazardous Waste Generator:
Owner Name: INTL GENERAL ELECTRIC - PR

BIENNIAL REPORT SUMMARY

No Biennial Report data is available for the facility listed above.

LIST OF FACILITY CONTACTS

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
	PO BOX 1086	HATO REY	PR	00917		Public
	PO BOX 1086	HATO REY	PR	00917		Permit

HANDLER / FACILITY CLASSIFICATION

Unspecified Universe for the facility listed above.

HANDLER TYPE
Not in a universe

LIST OF PROCESS UNIT INFORMATION FOR GROUP <https://epa.gov/envirofacts/metadata/table/rcra/rcr_pm_unit>

No Process Information is available for the facility listed above.

LIST OF NAICS CODES AND DESCRIPTIONS

No NAICS Codes are available for the facility listed above.

LIST OF WASTE CODES AND DESCRIPTIONS

No Waste Codes are available for the facility listed above.

RCRAInfo Facility

Facility Information

GOMEZ HERMANOS METRO INC
Handler ID: PRR000002386
AVE MUNOZ RIVERA #1088
RIO PIEDRAS, PR 00927-5016
County Name: SAN JUAN
Latitude: 18.397971
Longitude: -66.055856
Hazardous Waste Generator: Very Small Quantity Generator
Owner Name: GOMEZ HERMANOS METRO INC

BIENNIAL REPORT SUMMARY

No Biennial Report data is available for the facility listed above.

LIST OF FACILITY CONTACTS

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
	PO BOX 191288	SAN JUAN	PR	00919-1088		Public
	PO BOX 191288	SAN JUAN	PR	00919-1088		Permit

HANDLER / FACILITY CLASSIFICATION

Unspecified Universe for the facility listed above.

No Handler information is available for the facility listed above.

LIST OF PROCESS UNIT INFORMATION FOR GROUP <https://epa.gov/envirofacts/metadata/table/rcra/rcr_pm_unit>

No Process Information is available for the facility listed above.

LIST OF NAICS CODES AND DESCRIPTIONS

No NAICS Codes are available for the facility listed above.

LIST OF WASTE CODES AND DESCRIPTIONS

No Waste Codes are available for the facility listed above.

Detailed Facility Report

Facility Summary

GOMEZ HERMANOS METRO INC

AVE MUNOZ RIVERA #1088, RIO PIEDRAS, PR 00927

FRS (Facility Registry Service) ID: 110004892153

EPA Region: 02

Latitude: 18.397971

Longitude: -66.055856

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): Active VSQG, (PRR000002386)

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		110004892153					N	18.397971	-66.055856
RCRAInfo	RCRA	PRR000002386	VSQG	Active (H)			N	18.397971	-66.055856

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004892153	GOMEZ HERMANOS METRO INC	AVE MUNOZ RIVERA #1088, RIO PIEDRAS, PR 00927	San Juan Municipio
RCRAInfo	RCRA	PRR000002386	GOMEZ HERMANOS METRO INC	AVE MUNOZ RIVERA #1088, RIO PIEDRAS, PR 00927-5016	San Juan 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	PRR000002386	No	04/05/2025	0	04/04/2025

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	QTR 12+
RCRA (Source ID: PRR000002386)		04/01-06/30/22	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	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

e-Manifest Hazardous Waste History (Public)

Hazardous Waste Shipped in Kilograms by Year (Through 1/4/2025)

Source ID	Waste Description	2022	2023	2024	2025
PRR000002386	Hazardous Waste	2,088	1,986	2,133	--
PRR000002386	Acute Hazardous Waste	0	0	0	--
PRR000002386	Pharmaceutical Hazardous Waste	0	0	0	--

"Pharmaceutical Hazardous Waste" refers to quantities managed under 40 CFR part 266 subpart P and thus excluded from the Hazardous and Acute Hazardous Waste quantities shown above.

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	20,486
Population Density	6,577/sq.mi.
Housing Units in Area	14,316
Percent People of Color	99%
Households in Area	9,409
Households on Public Assistance	220
Persons With Low Income	12,364

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	553 (3%)
Minors 17 years and younger	2,145 (10%)
Adults 18 years and older	18,341 (90%)
Seniors 65 years and older	5,427 (26%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	11,205 (55%)
African-American	0 (0%)

General Statistics (ACS (American Community Survey))	
Percent With Low Income	63%
Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.397971
Center Longitude	-66.055856
Total Area	--
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	3,514 (37.35%)
$15,000 - $25,000	1,460 (15.52%)
$25,000 - $50,000	2,446 (26%)
$50,000 - $75,000	799 (8.49%)
Greater than $75,000	1,190 (12.65%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Hispanic-Origin	20,218 (99%)
Asian	60 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	90 (0%)
Other/Multiracial	3,901 (19%)
Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	1,892 (12.1%)
9th through 12th Grade	846 (5.41%)
High School Diploma	2,367 (15.14%)
Some College/2-year	1,178 (7.54%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	7,664 (49.03%)

RCRAInfo Facility

Facility Information

LOS GEMELOS AUTO SALES
Handler ID: PRN008015232
1055 BARBOSA AVE
SAN JUAN, PR 00923
County Name: SAN JUAN
Latitude: 18.39996
Longitude: -66.04339
Hazardous Waste Generator:
Owner Name:

BIENNIAL REPORT SUMMARY

No Biennial Report data is available for the facility listed above.

LIST OF FACILITY CONTACTS

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
	PO BOX 930-0626	SAN JUAN	PR			Public
	PO BOX 930-0626	SAN JUAN	PR			Permit

HANDLER / FACILITY CLASSIFICATION

Unspecified Universe for the facility listed above.

HANDLER TYPE
Not in a universe

LIST OF PROCESS UNIT INFORMATION FOR GROUP <https://epa.gov/envirofacts/metadata/table/rcra/rcr_pm_unit>

No Process Information is available for the facility listed above.

LIST OF NAICS CODES AND DESCRIPTIONS

No NAICS Codes are available for the facility listed above.

LIST OF WASTE CODES AND DESCRIPTIONS

No Waste Codes are available for the facility listed above.

RCRAInfo Facility

Facility Information

LUMA - SAN JUAN REGION
Handler ID: PRR000009928
CARR 47 KM 0.5 CALLE DE DIEGO
RIO PIEDRAS, PR 00926
County Name: SAN JUAN
Latitude: 18.399032
Longitude: -66.052302
Hazardous Waste Generator:
Owner Name: PR ELECTRIC POWER

BIENNIAL REPORT SUMMARY

No Biennial Report data is available for the facility listed above.

LIST OF FACILITY CONTACTS

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
YOLIMAR SANTIAGO - CRUZ	PO BOX 364267	SAN JUAN	PR	00936-4267	787-289-4976	Public
YOLIMAR SANTIAGO - CRUZ	PO BOX 364267	SAN JUAN	PR	00936-4267	787-289-4976	Permit

HANDLER / FACILITY CLASSIFICATION

Unspecified Universe for the facility listed above.

HANDLER TYPE
Not in a universe

LIST OF PROCESS UNIT INFORMATION FOR GROUP <https://epa.gov/envirofacts/metadata/table/rcra/rcr_pm_unit>

No Process Information is available for the facility listed above.

LIST OF NAICS CODES AND DESCRIPTIONS

NAICS CODE	NAICS DESCRIPTION
22112	ELECTRIC POWER TRANSMISSION, CONTROL, AND DISTRIBUTION

LIST OF WASTE CODES AND DESCRIPTIONS

WASTE CODE	WASTE DESCRIPTION
D001	IGNITABLE WASTE
D002	CORROSIVE WASTE

RCRAInfo Facility

Facility Information

OFICINA CENTRAL FARMACIA EL AMAL
Handler ID: PRR000013359
1086A MUNOZ RIVERA AVE
RIO PIEDRAS, PR 00925
County Name: SAN JUAN
Latitude: 18.399872
Longitude: -66.056277
Hazardous Waste Generator: Very Small Quantity Generator
Owner Name: OFICINA CENTRAL FARMACIA EL AMAL

BIENNIAL REPORT SUMMARY

No Biennial Report data is available for the facility listed above.

LIST OF FACILITY CONTACTS

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
DAISY HERNANDEZ	MUNOZ RIVERA AVE	RIO PIEDRAS	PR	00925	787-641-3888	Public
DAISY HERNANDEZ	MUNOZ RIVERA AVE	RIO PIEDRAS	PR	00925	787-641-3888	Permit

HANDLER / FACILITY CLASSIFICATION

Unspecified Universe for the facility listed above.

No Handler information is available for the facility listed above.

LIST OF PROCESS UNIT INFORMATION FOR GROUP <https://epa.gov/envirofacts/metadata/table/rcra/rcr_pm_unit>

No Process Information is available for the facility listed above.

LIST OF NAICS CODES AND DESCRIPTIONS

No NAICS Codes are available for the facility listed above.

LIST OF WASTE CODES AND DESCRIPTIONS

No Waste Codes are available for the facility listed above.

RCRAInfo Facility

Facility Information

PRASA - SJ1A SAGRADO CORAZON FACILITY
Handler ID: PRR000012567
SAN JOSE ST VILLA PALMERAS
SAN JUAN, PR 00925
County Name: SAN JUAN
Latitude: 18.39562
Longitude: -66.04411
Hazardous Waste Generator:
Owner Name: PRASA

BIENNIAL REPORT SUMMARY

No Biennial Report data is available for the facility listed above.

LIST OF FACILITY CONTACTS

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
ANIBAL CAMACHO	PO BOX 7066 BO OBRERO STATION	SAN JUAN	PR	00917	787-281-4289	Public
ANIBAL CAMACHO	PO BOX 7066 BO OBRERO STATION	SAN JUAN	PR	00917	787-281-4289	Permit

HANDLER / FACILITY CLASSIFICATION

Unspecified Universe for the facility listed above.

HANDLER TYPE
Not in a universe

LIST OF PROCESS UNIT INFORMATION FOR GROUP <https://epa.gov/envirofacts/metadata/table/rcra/rcr_pm_unit>

No Process Information is available for the facility listed above.

LIST OF NAICS CODES AND DESCRIPTIONS

No NAICS Codes are available for the facility listed above.

LIST OF WASTE CODES AND DESCRIPTIONS

No Waste Codes are available for the facility listed above.

RCRAInfo Facility

Facility Information

QUEST DIAGNOSTICS INC
Handler ID: PRN008016230
881 MUNOZ RIVERA AVE
RIO PIEDRAS, PR 00927
County Name: SAN JUAN
Latitude: 18.403725
Longitude: -66.056332
Hazardous Waste Generator:
Owner Name:

BIENNIAL REPORT SUMMARY

No Biennial Report data is available for the facility listed above.

LIST OF FACILITY CONTACTS

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
MANUEL BURGOS	MUNOZ RIVERA AVE	RIO PIEDRAS	PR		787-763-2873	Public
MANUEL BURGOS	MUNOZ RIVERA AVE	RIO PIEDRAS	PR		787-763-2873	Permit

HANDLER / FACILITY CLASSIFICATION

Unspecified Universe for the facility listed above.

HANDLER TYPE
Not in a universe

LIST OF PROCESS UNIT INFORMATION FOR GROUP <https://epa.gov/envirofacts/metadata/table/rcra/rcr_pm_unit>

No Process Information is available for the facility listed above.

LIST OF NAICS CODES AND DESCRIPTIONS

No NAICS Codes are available for the facility listed above.

LIST OF WASTE CODES AND DESCRIPTIONS

No Waste Codes are available for the facility listed above.

RCRAInfo Facility

Facility Information

RAGA OFFSET
Handler ID: PRN008010944
251 ROBELS ST
RIO PIEDRAS, PR 00925
County Name: SAN JUAN
Latitude: 18.40025
Longitude: -66.044516
Hazardous Waste Generator:
Owner Name: RAGA OFFSET

BIENNIAL REPORT SUMMARY

No Biennial Report data is available for the facility listed above.

LIST OF FACILITY CONTACTS

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
JESUS MARTINEZ	ROBELS ST	RIO PIEDRAS	PR	00925	787-767-0104	Public
JESUS MARTINEZ	ROBELS ST	RIO PIEDRAS	PR	00925	787-767-0104	Permit

HANDLER / FACILITY CLASSIFICATION

Unspecified Universe for the facility listed above.

HANDLER TYPE
Not in a universe

LIST OF PROCESS UNIT INFORMATION FOR GROUP <https://epa.gov/envirofacts/metadata/table/rcra/rcr_pm_unit>

No Process Information is available for the facility listed above.

LIST OF NAICS CODES AND DESCRIPTIONS

No NAICS Codes are available for the facility listed above.

LIST OF WASTE CODES AND DESCRIPTIONS

No Waste Codes are available for the facility listed above.

ICIS Detailed Report

Facility

FACILITY NAME (1) <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/facility_name>	RECONSTRUCTION OF HIGHWAY PR-3 65 DE INFANTERIA AVENUE	**NPDES** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/external_permit_nmbr>	PRR10002U
STREET 1 <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/location_address>	HIGHWAY PR-3 65 DE INFANTERIA AVENUE	**SIC CODE** <https://epa.gov/envirofacts/metadata/column/icis/xref_facility_interest_sic/sic_code>	
CITY <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/city>	SAN JUAN-CAROLINA	**MAJOR / MINOR** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/major_minor_status_flag>	N
COUNTY NAME <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/county_code>		**TYPE OF OWNERSHIP** <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/facility_type_code>	
STATE <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/state_code>	PR	**ACTIVITY STATUS** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/permit_status_code>	Terminated
ZIP CODE <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/zip>	00923	**INACTIVE DATE** <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_comp_status/status_end_date>	
REGION <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/epa_region_code>	Region 2	**TYPE OF PERMIT ISSUED** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/permit_type_code>	General Permit Covered Facility
LATITUDE <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/geocode_latitude>	18.3964	**ORIGINAL PERMIT ISSUE DATE** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/original_issue_date>	27-JUN-2017
LONGITUDE <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/geocode_longitude>	-66.0531	**PERMIT ISSUED DATE** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/issue_date>	27-JUN-2017
LAT/LON CODE OF ACCURACY <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/horizontal_accuracy_measure>		**PERMIT EXPIRED DATE** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/expiration_date>	15-FEB-2022
LAT/LON METHOD <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/horizontal_collect_method_code>	UNKNOWN		
LAT/LON SCALE <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/source_map_scale_nmbr>		**USGS HYDRO BASIN CODE** <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/huc_code>	
LAT/LON DATUM <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/horizontal_ref_datum_code>	NAD83	**FLOW** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/total_design_flow_nmbr>	
RECEIVING WATERS <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/state_water_body_name>		**FEDERAL GRANT IND** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/federal_grant_flag>	
PRETREATMENT CODE <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_pretreatment/pretreatment_indicator_code>		**SLUDGE CLASS FAC IND** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/facility_type_indicator>	NON-POTW
MAILING NAME <https://epa.gov/envirofacts/metadata/column/frs/frs_program_facility/primary_name>	RECONSTRUCTION OF HIGHWAY PR 3 65 DE INFANTERIA AVENUE	**SLUDGE RELATED PERMIT NUM** <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_association/related_external_permit_nmbr>	
MAILING STREET (1) <https://epa.gov/envirofacts/metadata/column/frs/frs_program_facility/location_address>	HIGHWAY PR 3 65 DE INFANTERIA AVENUE	**ANNUAL DRY SLUDGE PROD** <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_biosolid/total_volume_amt>	
MAILING STREET (2) <https://epa.gov/envirofacts/metadata/column/frs/frs_program_facility/supplemental_location>			
MAILING CITY <https://epa.gov/envirofacts/metadata/column/frs/frs_program_facility/city_name>	SAN JUAN-CAROLINA		
MAILING STATE <https://epa.gov/envirofacts/metadata/column/frs/frs_program_facility/state_name>	PUERTO RICO		
MAILING ZIP CODE <https://epa.gov/envirofacts/metadata/column/frs/frs_program_facility/postal_code>	00923		
COGNIZANT OFFICIAL <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/dmr_cognizant_official>		**COGNIZANT OFFICIAL TEL** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/dmr_cognizant_offcl_telephone>	

Activity

FACILITY NAME (1) <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/facility_name>	RECONSTRUCTION OF HIGHWAY PR-3 65 DE INFANTERIA AVENUE	NPDES <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/external_permit_nmbr>	PRR10002U

Activity Name <https://epa.gov/envirofacts/metadata/column/icis/icis_activity_report/activity_name>	Activity Type Description <https://epa.gov/envirofacts/metadata/column/icis/ref_activity_type/activity_type_desc>	Activity Status Description <https://epa.gov/envirofacts/metadata/column/icis/icis_activity_report/activity_statu
	Permit	Active

Contacts —

FACILITY NAME (1) <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/facility_name>	RECONSTRUCTION OF HIGHWAY PR-3 65 DE INFANTERIA AVENUE	NPDES <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/external_permit_nmbr>	PRR10002U

First Name <https://epa.gov/envirofacts/metadata/column/icis/icis_contact/first_name>	Last Name <https://epa.gov/envirofacts/metadata/column/icis/icis_contact/last_name>	Organization Formal Name <https://epa.gov/envirofacts/metadata/column/icis/icis_contact/organization_formal_name>	Teleph <https://e
Noel	Cintron	Ferrovial Agroman	787725
Noel	Cintron	FERROVIAL AGROMAN	787725
Yahaira	Oquendo	Yahaira Oquendo	787550

Permit Tracking —

FACILITY NAME (1) <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/facility_name>	RECONSTRUCTION OF HIGHWAY PR-3 65 DE INFANTERIA AVENUE	NPDES <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/external_permit_nmbr>	PRR10002U
PERMIT ISSUED BY <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/issuing_agency>	U.S. EPA	ORIGINAL DATE OF ISSUE <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/original_issue_date>	27-JUN-2017
PERMIT ISSUED DATE <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/issue_date>	27-JUN-2017	PERMIT EXPIRED DATE <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/expiration_date>	15-FEB-2022
EFFECTIVE DATE <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/effective_date>	27-JUN-2017	RETIREMENT DATE <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/retirement_date>	

Permit Tracking Events

Event Description <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_track_event/perm_track_event_code>	Event Date <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_track_event/track_event_date>
Permit Expiration	15-FEB-2022
Permit Termination	03-AUG-2018
Permit Effective	27-JUN-2017
Permit Issued	27-JUN-2017
Application/NOI Complete	13-JUN-2017
Application/NOI Received	13-JUN-2017

Inspections —

FACILITY NAME (1) <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/facility_name>	RECONSTRUCTION OF HIGHWAY PR-3 65 DE INFANTERIA AVENUE	NPDES <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/external_permit_nmbr>	PRR10002U

No Inspections Found.

Outfalls/Pipe Schedules —

FACILITY NAME (1) <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/facility_name>	RECONSTRUCTION OF HIGHWAY PR-3 65 DE INFANTERIA AVENUE	NPDES <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/external_permit_nmbr>	PRR10002U
OUTFALL TYPE <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature/perm_feature_type_code>	External Outfall	PIPE NUMBER <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature/perm_feature_nmbr>	001

ACTIVITY STATUS <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set_status/status_flag>		**REPORT DESIGNATOR** <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set/limit_set_designator>	
LATITUDE <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature_coord/latitude_measure>		**LONGITUDE** <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature_coord/longitude_measure>	
LAT/LON ACCURACY <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature_coord/horizontal_accuracy_measure>		**LAT/LON METHOD** <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature_coord/horizontal_collect_method_code>	
LAT/LON SCALE <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature_coord/source_map_scale_nmbr>		**LAT/LON DATUM** <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature_coord/horizontal_ref_datum_code>	
INACTIVE DATE <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_comp_status/status_end_date>	02-AUG-2018	**USGS HYDRO BASIN CODE** <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/huc_code>	
INIT DMR DUE DATE <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set_schedule/initial_dmr_due_date>		**SUBMISSION UNITS** <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set/report_frequency_code>	
PIPE DESCRIPTION <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature/perm_feature_text>		**UNITS IN SUBM. PERIOD** <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set_schedule/nmbr_of_submission>	
INIT REPORTING DATE <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set_schedule/initial_monitoring_date>		**REPORTING UNITS** <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set/report_frequency_code>	
UNITS IN REPORTING PERIOD <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set_schedule/nmbr_of_report>		**DMR COMMENT** <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set/dmr_comment_text>	

Limits Report (Pipes) —

FACILITY NAME (1) <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/facility_name>	RECONSTRUCTION OF HIGHWAY PR-3 65 DE INFANTERIA AVENUE	**NPDES** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/external_permit_nmbr>	PRR10002U
PIPE NUMBER <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature/perm_feature_nmbr>	001		
PIPE DESCRIPTION <https://epa.gov/envirofacts/metadata/column/icis/icis_perm_feature/perm_feature_text>		**REPORT DESIGNATOR** <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set/limit_set_designator>	
DMR COMMENT <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set/dmr_comment_text>		**LIMIT SET TYPE** <https://epa.gov/envirofacts/metadata/column/icis/icis_limit_set/limit_set_type_code>	

No ICIS Limits Report Found.

Limits Report (Dockets) —

No ICIS Limits Information Found.

Measurements and Violations —

No ICIS Measurements Information Found.

Compliance Schedules and Violations —

FACILITY NAME (1) <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/facility_name>	RECONSTRUCTION OF HIGHWAY PR-3 65 DE INFANTERIA AVENUE	**NPDES** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/external_permit_nmbr>	PRR10002U

No Compliance Schedules Found.

No Compliance Violations Found.

Pretreatment Inspections/Audits —

FACILITY NAME (1) <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/facility_name>	RECONSTRUCTION OF HIGHWAY PR-3 65 DE INFANTERIA AVENUE	**NPDES** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/external_permit_nmbr>	PRR10002U

No ICIS Pretreatment Inspections Found.

Pretreatment Performance Summary —

FACILITY NAME (1) <https://epa.gov/envirofacts/metadata/column/icis/icis_facility_interest/facility_name>	RECONSTRUCTION OF HIGHWAY PR-3 65 DE INFANTERIA AVENUE	**NPDES** <https://epa.gov/envirofacts/metadata/column/icis/icis_permit/external_permit_nmbr>	PRR10002U

No ICIS Pretreatment Performance Summary Information Found.

Detailed Facility Report

Facility Summary

RECONSTRUCTION OF HIGHWAY PR-3 65 DE INFANTERIA AVENUE

HIGHWAY PR-3 65 DE INFANTERIA AVENUE, SAN JUAN-CAROLINA, PR 00923

FRS (Facility Registry Service) ID: 110070080194

EPA Region: 02

Latitude: 18.3964

Longitude: -66.0531

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	Terminated Permit
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 Terminated; Compliance Tracking Off (PRR10002U)

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		110070080194					N	18.3964	-66.0531
ICIS-NPDES	CWA	PRR10002U	Non-Major: General Permit Covered Facility	Terminated; Compliance Tracking Off	Construction Stormwater	02/15/2022	N	18.3964	-66.0531

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110070080194	RECONSTRUCTION OF HIGHWAY PR-3 65 DE INFANTERIA AVENUE	HIGHWAY PR-3 65 DE INFANTERIA AVENUE, SAN JUAN-CAROLINA, PR 00923	San Juan Municipio
ICIS-NPDES	CWA	PRR10002U	RECONSTRUCTION OF HIGHWAY PR-3 65 DE INFANTERIA AVENUE	HIGHWAY PR-3 65 DE INFANTERIA AVENUE, SAN JUAN-CAROLINA, PR 00923	

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	PRR10002U	No	12/31/2024	0	04/04/2025

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	QTR 12	QTR 13+
CWA (Source ID: PRR10002U)		01/01-03/31/22	04/01-06/30/22	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	01/01-04/04/25
	Facility-Level Status	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit
	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?
210100050502	Rio Puerto Nuevo at mouth	SAN JUAN BAY 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	PREE13A2	SAN JUAN BAY ESTUARY	Impaired - 303(d) Listed - With Restoration Plan	MERCURY | METALS (OTHER THAN MERCURY) | NUTRIENTS | OIL AND GREASE | ORGANIC ENRICHMENT/OXYGEN DEPLETION | OTHER CAUSE | PATHOGENS | TEMPERATURE | TURBIDITY	Not Supporting	Not Supporting	--	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	19,897
Population Density	6,387/sq.mi.
Housing Units in Area	13,939
Percent People of Color	99%
Households in Area	9,057
Households on Public Assistance	264
Persons With Low Income	12,973
Percent With Low Income	69%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.3964
Center Longitude	-66.0531

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	514 (3%)
Minors 17 years and younger	2,261 (11%)
Adults 18 years and older	17,637 (89%)
Seniors 65 years and older	5,156 (26%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	10,444 (52%)
African-American	0 (0%)
Hispanic-Origin	19,621 (99%)
Asian	71 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	90 (0%)
Other/Multiracial	4,002 (20%)

Geography	
Total Area	--
Land Area	100%
Water Area	0%
Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	3,701 (40.87%)
$15,000 - $25,000	1,446 (15.97%)
$25,000 - $50,000	2,331 (25.74%)
$50,000 - $75,000	668 (7.38%)
Greater than $75,000	909 (10.04%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	2,099 (14.07%)
9th through 12th Grade	949 (6.36%)
High School Diploma	2,457 (16.47%)
Some College/2-year	1,254 (8.41%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	6,369 (42.7%)

RCRAInfo Facility

Facility Information

TREN URBANO
Handler ID: PRR000008821
1017 PONCE DE LEON
RIO PIEDRAS, PR 00925
County Name: SAN JUAN
Latitude: 18.40046
Longitude: -66.05226
Hazardous Waste Generator:
Owner Name: PETER KIEWIT

BIENNIAL REPORT SUMMARY

No Biennial Report data is available for the facility listed above.

LIST OF FACILITY CONTACTS

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
	PONCE DE LEON	RIO PIEDRAS	PR	00925		Public
	PONCE DE LEON	RIO PIEDRAS	PR	00925		Permit

HANDLER / FACILITY CLASSIFICATION

Unspecified Universe for the facility listed above.

HANDLER TYPE
Not in a universe

LIST OF PROCESS UNIT INFORMATION FOR GROUP <https://epa.gov/envirofacts/metadata/table/rcra/rcr_pm_unit>

No Process Information is available for the facility listed above.

LIST OF NAICS CODES AND DESCRIPTIONS

No NAICS Codes are available for the facility listed above.

LIST OF WASTE CODES AND DESCRIPTIONS

No Waste Codes are available for the facility listed above.

RCRAInfo Facility

Facility Information

VENEZUELA SS
Handler ID: PRR000009548
1203 PONCE DE LEON AVE
RIO PIEDRAS, PR 00926
County Name: SAN JUAN
Latitude: 18.39617
Longitude: -66.05382
Hazardous Waste Generator:
Owner Name: PEDRO RODRIGUEZ

BIENNIAL REPORT SUMMARY

No Biennial Report data is available for the facility listed above.

LIST OF FACILITY CONTACTS

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
PEDRO RODRIGUEZ	PO BOX 0852	HATO REY	PR	00919-0852	787-763-6676	Public
PEDRO RODRIGUEZ	PO BOX 0852	HATO REY	PR	00919-0852	787-763-6676	Permit

HANDLER / FACILITY CLASSIFICATION

Unspecified Universe for the facility listed above.

HANDLER TYPE
Not in a universe

LIST OF PROCESS UNIT INFORMATION FOR GROUP <https://epa.gov/envirofacts/metadata/table/rcra/rcr_pm_unit>

No Process Information is available for the facility listed above.

LIST OF NAICS CODES AND DESCRIPTIONS

No NAICS Codes are available for the facility listed above.

LIST OF WASTE CODES AND DESCRIPTIONS

No Waste Codes are available for the facility listed above.

Detailed Facility Report

Facility Summary

VENEZUELA SS

1203 PONCE DE LEON AVE, RIO PIEDRAS, PR 00926

FRS (Facility Registry Service) ID: 110004894400

EPA Region: 02

Latitude: 18.39617

Longitude: -66.05382

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, (PRR000009548)

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		110004894400					N	18.39617	-66.05382
ICIS		39950					N	18.393507	-66.057571
RCRAInfo	RCRA	PRR000009548	Other	Inactive ( )			N	18.393507	-66.057571

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004894400	VENEZUELA SS	1203 PONCE DE LEON AVE, RIO PIEDRAS, PR 00926	San Juan Municipio
ICIS		39950	VENEZUELA SS	1203 PONCE DE LEON AVE, RIO PIEDRAS, PR 00926	San Juan Municipio
RCRAInfo	RCRA	PRR000009548	VENEZUELA SS	1203 PONCE DE LEON AVE, RIO PIEDRAS, PR 00926	San Juan 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	PRR000009548	No	04/05/2025	0	04/04/2025

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	QTR 12+
RCRA (Source ID: PRR000009548)		04/01-06/30/22	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	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	19,515
Population Density	6,265/sq.mi.
Housing Units in Area	13,733
Percent People of Color	99%
Households in Area	8,937
Households on Public Assistance	249
Persons With Low Income	12,525
Percent With Low Income	68%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.39617
Center Longitude	-66.05382
Total Area	--
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	3,598 (40.26%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	510 (3%)
Minors 17 years and younger	2,150 (11%)
Adults 18 years and older	17,365 (89%)
Seniors 65 years and older	5,096 (26%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	10,273 (53%)
African-American	0 (0%)
Hispanic-Origin	19,246 (99%)
Asian	71 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	89 (0%)
Other/Multiracial	3,915 (20%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	2,000 (13.61%)
9th through 12th Grade	899 (6.12%)
High School Diploma	2,394 (16.29%)
Some College/2-year	1,222 (8.32%)

Income Breakdown (ACS (American Community Survey)) - Households (%)	
$15,000 - $25,000	1,413 (15.81%)
$25,000 - $50,000	2,310 (25.85%)
$50,000 - $75,000	672 (7.52%)
Greater than $75,000	944 (10.56%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	6,469 (44.03%)

RCRAInfo Facility

Facility Information

VIDYS CAFE & RESTAURANT
Handler ID: PRR000016246
104 UNIVERSIDAD AVE
RIO PIEDRAS, PR 00925
County Name: SAN JUAN
Latitude: 18.40311
Longitude: -66.05465
Hazardous Waste Generator: Very Small Quantity Generator
Owner Name: VIDYS CAFE & RESTAURANT

BIENNIAL REPORT SUMMARY

No Biennial Report data is available for the facility listed above.

LIST OF FACILITY CONTACTS

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
JOSE COLL	UNIVERSIDAD AVE	RIO PIEDRAS	PR	00925	787-767-3062	Public
JOSE COLL	UNIVERSIDAD AVE	RIO PIEDRAS	PR	00925	787-767-3062	Permit

HANDLER / FACILITY CLASSIFICATION

Unspecified Universe for the facility listed above.

No Handler information is available for the facility listed above.

LIST OF PROCESS UNIT INFORMATION FOR GROUP <https://epa.gov/envirofacts/metadata/table/rcra/rcr_pm_unit>

No Process Information is available for the facility listed above.

LIST OF NAICS CODES AND DESCRIPTIONS

NAICS CODE	NAICS DESCRIPTION
72211	FULL-SERVICE RESTAURANTS

LIST OF WASTE CODES AND DESCRIPTIONS

No Waste Codes are available for the facility listed above.

RCRAInfo Facility

Facility Information

WALGREENS STORE 891
Handler ID: PRR000003202
65 INFANTERIA CORNER BARBOSA
RIO PIEDRAS, PR 00924
County Name: SAN JUAN
Latitude: 18.395009
Longitude: -66.042887
Hazardous Waste Generator: Very Small Quantity Generator
Owner Name: WALGREENS

BIENNIAL REPORT SUMMARY

No Biennial Report data is available for the facility listed above.

LIST OF FACILITY CONTACTS

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
LISA PARKS	WILMOT RD 5TH FL	DEERFIELD	IL	60015	224-565-5660	Public
LISA PARKS	WILMOT RD 5TH FL	DEERFIELD	IL	60015	224-565-5660	Permit

HANDLER / FACILITY CLASSIFICATION

Unspecified Universe for the facility listed above.

No Handler information is available for the facility listed above.

LIST OF PROCESS UNIT INFORMATION FOR GROUP <https://epa.gov/envirofacts/metadata/table/rcra/rcr_pm_unit>

No Process Information is available for the facility listed above.

LIST OF NAICS CODES AND DESCRIPTIONS

NAICS CODE	NAICS DESCRIPTION
456110	PHARMACIES AND DRUG RETAILERS

LIST OF WASTE CODES AND DESCRIPTIONS

WASTE CODE	WASTE DESCRIPTION
D001	IGNITABLE WASTE
D002	CORROSIVE WASTE
D007	CHROMIUM
D009	MERCURY
D010	SELENIUM
D016	2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

WASTE CODE	WASTE DESCRIPTION
D035	METHYL ETHYL KETONE
P001	2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Contact Us <https://www.epa.gov/enviro/forms/contact-us-about-envirofacts> to ask a question, provide feedback, or report a problem.

Last updated on March 6, 2025

LEAD-BASED PAINT LIMITED SURVEY

PASEO DE DIEGO (AVE. PONCE DE LEÓN TO AVE. BARBOSA)

CRP-000956 Calle y Paseo de Diego

San Juan, Puerto Rico 00925

Inspection Date: August 3 & 4, 2023

Prepared for: Municipality of San Juan

Prepared by: Nortol Environmental & Occupational Safety, Inc. on behalf of Integra Design Group

Inspector:

Roberto Rodríguez
Lead Inspector
LBP I.D. # LBPI-05422-074

nortol.
Environmental & Occupational Safety, Inc. Est. 2002

NORTOL *has performed this survey in a thorough and professional manner consistent with commonly accepted industry standards.*

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- Survey Protocol and Sampling Procedures
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Attachment 2 – Company Credentials

Attachment 3 – Inspector's Credentials

Attachment 4 – LBP XRF Tabulated Readings

Attachment 5 – Certification for Non-Presence LBP (PGC-010)

Attachment 6 – XRF Performance Characteristic Sheet

Acronyms

A/C	=	Air Conditioning
CFR	=	Code of Federal Regulations
CPSC	=	Consumer Product Safety Commission
EPA	=	Environmental Protection Agency
Ft2	=	square feet
HA	=	Homogeneous Area
HUD	=	Department of Housing and Urban Development
LBP	=	Lead-based Paint
LF	=	Linear Feet
mg/cm2	=	milligrams per square centimeter
NESHAP'S	=	National Emission Standards for Hazardous Air Pollutants
NIOSH	=	National Institute for Occupational Safety and Health
OSHA	=	Occupational Safety and Health Administration
PRDOH	=	Puerto Rico Department of Housing
PRDRNER	=	Puerto Rico Department of Natural and Environmental Resources
SOW	=	Scope of Work
XRF	=	X-Ray Fluorescent

I. INTRODUCTION

As part of the environmental due diligence, this limited survey is intended to assess the general presence, quantity, and location of LBP and lead-glazed ceramic components above allowable levels at *Paseo De Diego (Ave. Ponce De León to Ave. Barbosa) CRP-000956 Calle y Paseo de Diego* project located at San Juan, P.R. 00925. See Location Map/Aerial Pictures in **Attachment 1**.

The LBP limited survey, conforming to Housing Urban Development (HUD) Guidelines for the Evaluation and Control of Lead Based Paint in Housing, was conducted on August 3 & 4, 2023, by Mr. Roberto Rodríguez (Lead inspector number: LBPI-05422-074) from Nortol. Copy of Nortol's certification with the PRDNER as registered corporation is included in **Attachment 2**. Inspector's credentials are included in **Attachment 3.** Nortol's survey areas and report are limited to the details provided in Section II part D.

Based on the results of the survey, 178 XRF readings were performed using an XRF analyzer (model VIKEN PB200i-former HEURESIS with serial number 2705) on identified and accessible surfaces from the subject project. LBP was not identified above the regulatory level of 1.0 mg/cm^2 in the SOW. See **Attachment 4** for the assessed materials.

There are concrete structural components. The floors are pavement asphalt, ceramic tiles, painted or bare concrete. The LBP survey was limited to the metallic structures, *porticos*, planters, demolition of sidewalks, curbs, and asphalt removal as part of the Municipality of San Juan RFP # DUDP-2022-056.

II. LEAD BASED PAINT SURVEY REPORT

A. Lead Based Paint Findings:

LBP was not found in the project accessed components. The data from XRF analyzer testing is included in **Attachment 4**. **Attachment 1** includes Representative Pictures\Photograph Log of the project. Certification for non-presence of lead-based paints or lead-glazes is provided in **Attachment 5.**

B. Survey Protocol and Sampling Procedure:

The survey was conducted following the *HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (1997 Revision, Chapter 7)*. The technique used for assessing the painted components was the XRF instrument. The following guidelines were used to perform LBP testing:

1. Achieve inventory of painted surfaces.
2. Select areas to be assessed.

3. Perform XRF testing.
4. Review and evaluate the data.
5. Report findings

The XRF instrument was set at Standard Paint Mode showing reading "Positive" or "Negative" with a 95% confident reading. The result is reported in mg/cm^2. **Attachment 6** includes the XRF Performance Characteristic Sheet (PCS) of the analyzer.

The **letters A, B, C**, and **D** used in the survey refers to:

A ⇒ Main entrance side orientation (to street)
B ⇒ Left side orientation
C ⇒ Rear side orientation
D ⇒ Right side orientation

C. Lead Based Paint Background and Regulatory Review:

Overexposure to lead is one of the most common situations found in industry. It is also a major potential public health risk. Lead poisoning is the leading environmentally induced illness in children. At greatest risk are children under the age of six because they are undergoing rapid neurological and physical development. In general population, lead may be present at hazardous concentrations in food, water, and air. Sources include LBP, urban soil, dust, and drinking water.

Lead is commonly added to industrial paints because of its characteristic to resist corrosion. Industries with particularly high potential exposures include construction work involving welding, cutting, brazing, blasting, etc., on lead paint surfaces; most smelter operations either as a trace contaminant or as a major product; secondary lead smelters where lead is recovered from batteries; radiator repair shops; and firing ranges. Oral ingestion may represent a major route of exposure in contaminated workplaces. Once in the blood, lead is distributed primarily among three routes - blood, soft tissue (kidney, bone marrow, liver, and brain) and mineralizing tissue (bones and teeth).

Hazard of lead in paint has been defined by the Department of Housing and Urban Development as 1.0 mg/cm^2 as measured by an XRF instrument, or Atomic Absorption Spectroscopy (AAS); or 0.5% by weight (or 5,000 ppm) as measured by AAS, or Inductive Coupled Plasma (ICP). The same level was adopted by EPA regulations published in 1992, under Title X.

Although OSHA regulations for occupational lead exposure have been in effect since 1971 for the construction and general industries, the agency recognized the need to provide better protection and revised the regulations for general industry in 1978. The 1978 lead standard, however,

excluded the construction industry from coverage because of insufficient information regarding lead use in construction.

In 1990, NIOSH set a national goal to eliminate worker exposures resulting in blood lead concentrations greater than 25 micrograms per deciliter (25 µg/dl) of whole blood. Consequently, OSHA began developing a proposal for a comprehensive standard regulating occupational exposure to lead in construction. In October 1992, the Congress passed Section 1031 of Title X of the Housing and Community Development Act of 1992 (P. L. 102-550) requiring OSHA to issue an interim final lead standard for the construction industry, effective until OSHA issues a final standard. The interim final rule, published on May 4, 1993, amends the OSHA standards for occupational health and environmental controls in Subpart D of Title 29 CFR 1926 by adding a new section 1926.62, containing employee protection requirements for construction workers exposed to lead.

On July 1998, the PRDNER - former PR Environmental Quality Board regulations regarding to LBP was created to issue activity permits, accredit institutions, and certificate persons involved in LBP activities in Puerto Rico. Local regulations require all lead to be managed as a special waste. On July 2019 this regulation was replaced by the new *Reglamento para el Manejo Adecuado de Actividades de Pintura con Base de Plomo*. To obtain a demolition permit in Puerto Rico is necessary to include a certification (OGP-PGC-010 or equivalent) stating that there is no LBP in the project.

D. Survey Areas – Extent of Survey Coverage:

The survey included a detailed structure inspection providing a general sense of the overall location, type, quantity, and condition of LBP and LBP ceramic components. The LBP survey was performed to ready accessible components and surfaces. If any suspect coated surface or ceramic components, that could contain lead, are encountered underneath current installed tiles or other construction material during demolition and/or renovation activities, which differ from materials tested during the LBP survey, these should be assumed to be Lead containing until testing/analysis confirmed otherwise. The survey was unobtrusive as samples were not taken where doing so would have resulted in objectionable damage to surfaces. Therefore, the survey did not include destructive, intrusive and/or exploratory testing.

Areas Not Included in Survey and Service Constraints: All professional opinions presented in this report are based on information made available either by review of data provided by others or data gathered by Nortol personnel. Nortol affirms that data gathered and presented by Nortol in this report was collected in an appropriate manner in accordance with accepted methods and practices. Any energized utilities/services, including electricity, water and heat were assumed to

be active. Materials associated with these items were determined to not be safely accessible and were not sampled. The survey did not include access or inspection of confined spaces or subsurface/underground areas including piping, conduits, building footings and soils (surficial or otherwise).

III. CONCLUSION

LBP limited survey was conducted for the project identified with the header ID. LBP or lead-glaze was not identified above the regulatory level of 1.0 mg/cm^2 at the subject structure. In addition, lead containing ceramic components were not identified to contain lead above the regulatory level.

Data from XRF analyzer testing results is included in **Attachment 4**. **Attachment 1** includes Representative Pictures\Photograph Log of the structure. Certification for non-presence of lead-based paints or lead-glazes is provided in **Attachment 5.**

Any conditions or materials that could not be visually identified or were out-of-the SOW, were not inspected and may differ from those conditions or materials noted. It was not within the scope of the activity to remove surface materials to investigate portions of the structure or materials that may lay beneath the surface. Nortol's selection of sample locations and frequency of sampling was based on Nortol's observations and the assumption that similar materials in the same area are homogeneous in content.

The report is designed to aid the building owner, architect, construction manager, general contractors, and potential asbestos or lead abatement contractors in locating LBP or lead-glaze. Under no circumstances is the report to be utilized solely as a bidding document or as a project specification document.

IV. LEAD-BASED PAINT ASSESSMENT REPORT CERTIFICATION

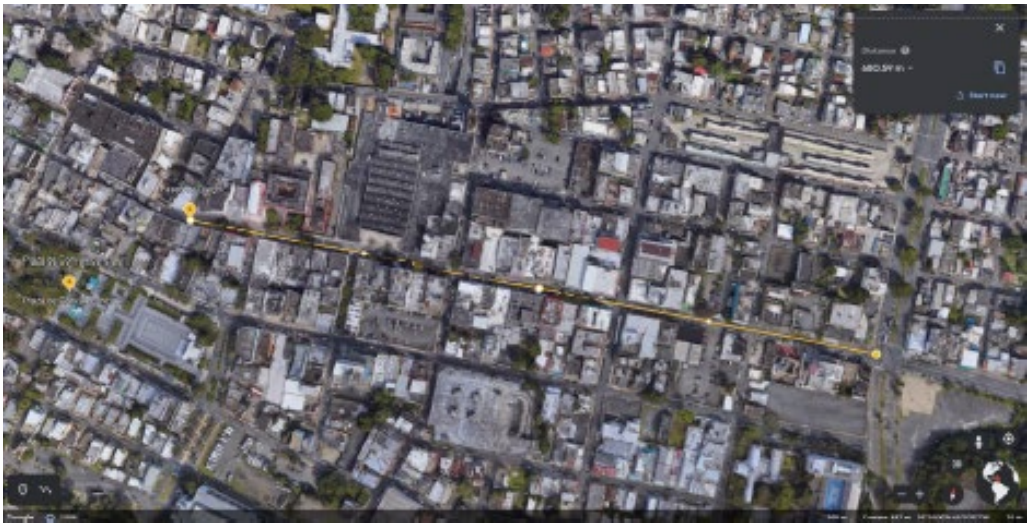
I certify that the subject project was done in accordance with current applicable regulations (i.e., PRDNER, HUD, USEPA) and that the information included in this report is true.

Inspector: Roberto Rodríguez
LBP I.D. # LBPI-05422-074
See Attachments for personnel, company, and instrument's certifications.

Attachment 1

Location Map/Aerial Pictures and Representative Pictures\Photo Log

PASEO DE DIEGO (AVE. PONCE DE LEÓN TO AVE. BARBOSA)
CRP-000956 Calle De Diego y Paseo De Diego
Location Map/Aerial Pictures



Roberto Rodríguez Rodríguez
NORTOL. Environmental & Occupational Safety, Inc.

PASEO DE DIEGO (AVE. PONCE DE LEÓN TO AVE. BARBOSA) - **LBP SURVEY PHOTO LOG**

Year of construction not available at the moment of the inspection.

Thursday, August 3, 2023

Prepared For Integra Design Group

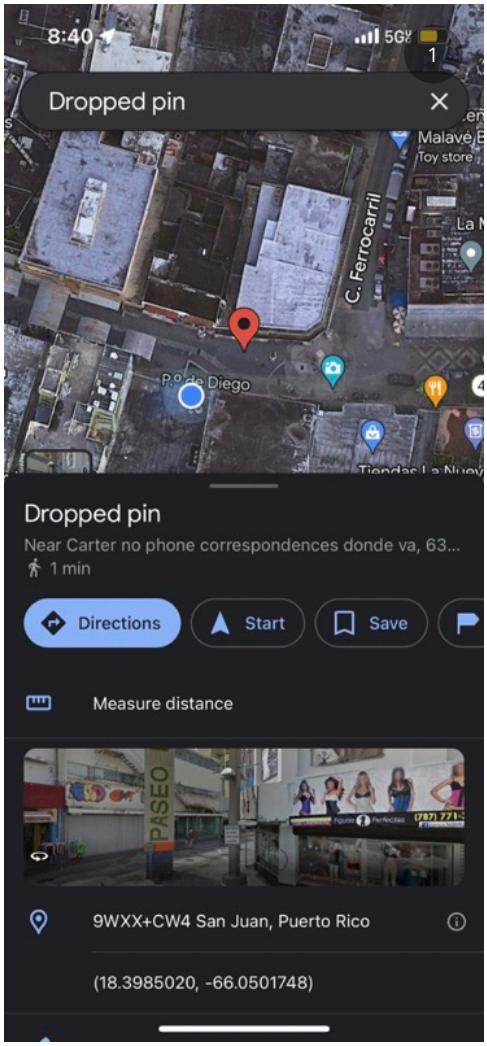
Paseo de Diego desde Ave. Ponce De León hasta Ave. Barbosa Rio Piedras, San Juan PR 00925

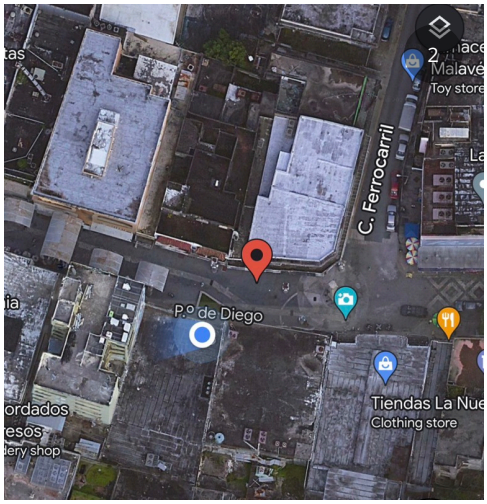
FRONT VIEW:

(18.3985020, -66.0501748)

LOCATION:

(18.3985020, -66.0501748)





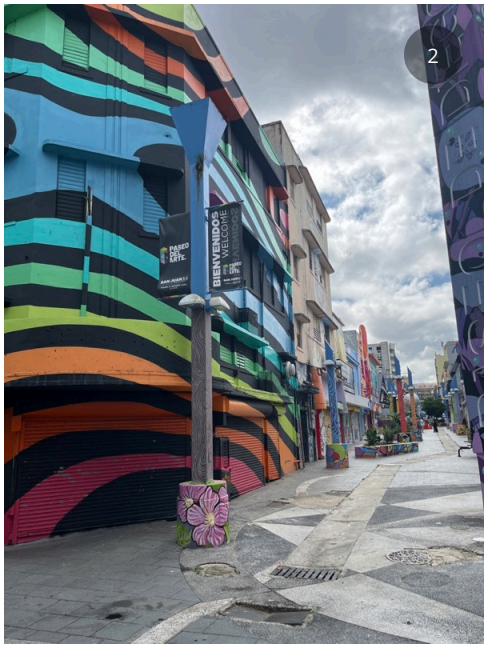
1

SCOPE OF WORK:

A/L inspection for removal of metallic structures, porticos, planters, demolition of sidewalks and curbs, and asphalt removal.

EXTERIOR GENERAL VIEWS: PASEO DE DIEGO

1



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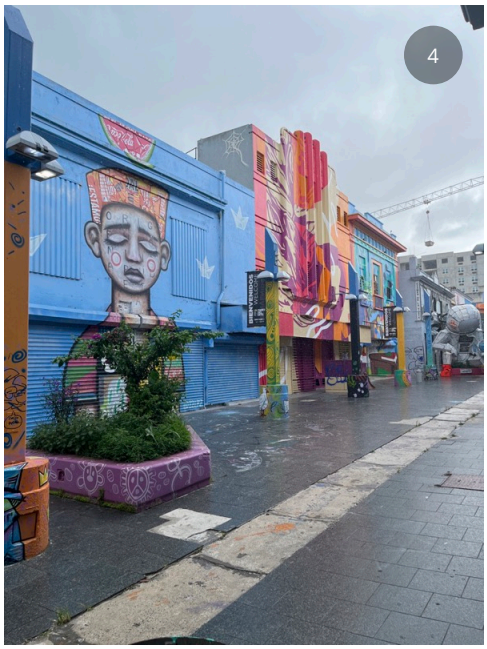
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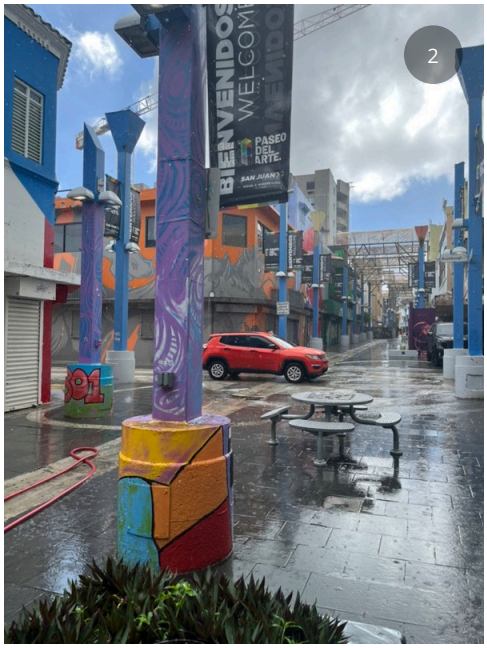
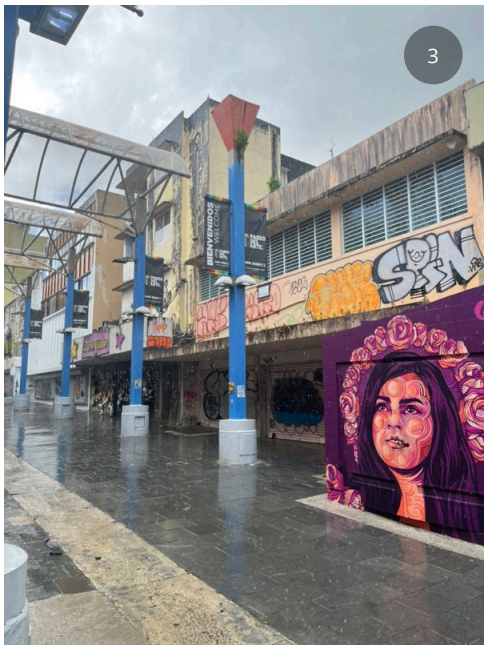
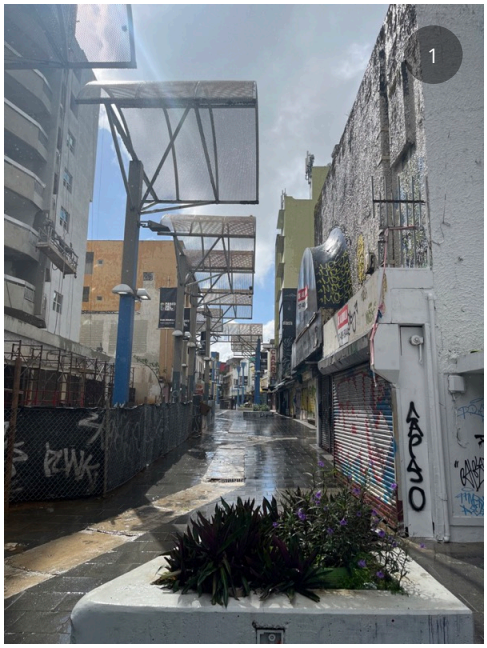
EXTERIOR GENERAL VIEWS: PASEO DE DIEGO

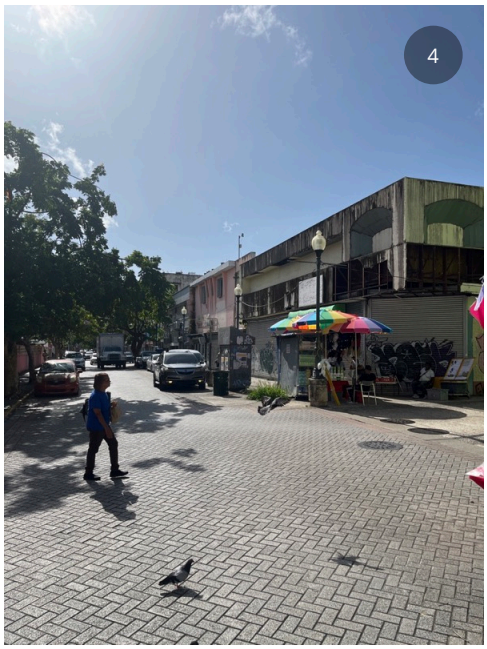




EXTERIOR GENERAL VIEWS: PASEO DE DIEGO



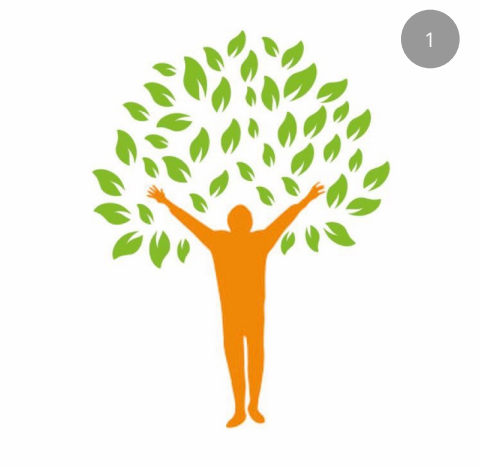
EXTERIOR GENERAL VIEWS: CALLE JOSÉ DE DIEGO



EXTERIOR GENERAL VIEWS: CALLE JOSÉ DE DIEGO

EXTERIOR GENERAL VIEWS: CALLE JOSÉ DE DIEGO

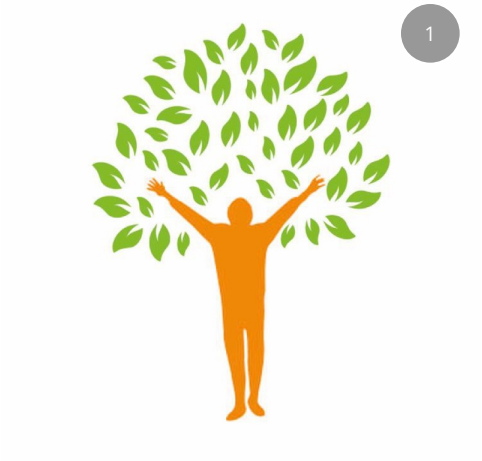
EXTERIOR GENERAL VIEWS: CALLE JOSÉ DE DIEGO



1

IS THERE ANY AREA WITHOUT ACCESS?

No.



1

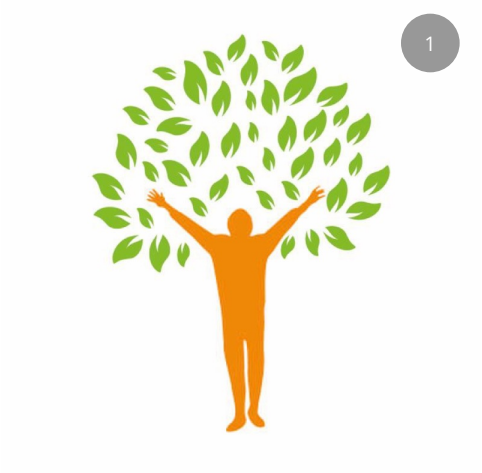
IS THERE ANY VISIBLE INDICATION OF MOLD?

No, mold was not found visible at the moment of the inspection.

1

ARE THERE SIGNS OF POOR HOUSEKEEPING ON SITE? (MOUNDS OF RUBBLE, GARBAGE, STORM DEBRIS, SOLID WASTE, PETROLEUM PRODUCTS, PAINT, PESTICIDES, CLEANING FLUIDS, VEHICLE BATTERIES, ABANDONED VEHICLES, PITS, POOLS, PONDS OF HAZARDOUS SUBSTANCES, ETC.)

No.



ARE ANY ADDITIONAL SITE HAZARDS OBSERVED?

No.

LBP DETECTED?

No LBP detected at the moment of the inspection.

Attachment 2

Company Credentials

nortol.
Environmental & Occupational Safety, Inc. Est. 2002

GOBIERNO DE PUERTO RICO

Departamento de Recursos Naturales y Ambientales

Este certificado es otorgado a:

Nortol Environmental & Occupational Safety, Inc.

Por haber cumplido con los requisitos establecidos en el Capítulo VI, Regla 127 del Reglamento para el Manejo Adecuado de Actividades de Pintura con Base de Plomo. Se le otorga esta certificación como **Firma** para llevar a cabo actividades relacionadas a Mitigación de Pintura con base de plomo en la jurisdicción de Puerto Rico.

Número de Certificado

LBPF-04023-008

Fecha de emisión: Marzo 5, 2023

Fecha de Expiración: Marzo 4, 2024

DRNA

José Roque Juliá
Jefe
División Desperdicios Tóxicos

LEAD-SAFE
EPA
CERTIFIED FIRM

NAT-F121771-2

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PO Box 366457, San Juan, PR 00936-6457

20 ANNIVERSARY
nortol.
Environmental & Occupational Safety Est. 2002

Attachment 3
Inspector's Credentials

ROBERTO RODRIGUEZ
Puerto Rico
Lead-based Paint Inspector

Attachment 4

LBP XRF Tabulated Readings

PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO) XRF SHEET

Company	Heuresis Corp.
Model	Pb200i
Type	XRF Lead Paint Analyzer
Serial Num.	2705
App Version	Pb200i-5.3.1

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
-	1	1	mg/cm2	Positive	1	8/3/2023	10:33:49	R.RODRIGUEZ	-	-	Calibration	-	-	-	-	-	-
-	2	1	mg/cm2	Positive	1	8/3/2023	10:34:08	R.RODRIGUEZ	-	-	Calibration	-	-	-	-	-	-
-	3	1	mg/cm2	Positive	1	8/3/2023	10:34:26	R.RODRIGUEZ	-	-	Calibration	-	-	-	-	-	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	4	0.3	mg/cm2	Negative	1	8/3/2023	10:36:19	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Curb	Ceramic	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	5	0.4	mg/cm2	Negative	1	8/3/2023	10:36:28	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Curb	Ceramic	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	6	0.8	mg/cm2	Negative	1	8/3/2023	10:37:33	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Pavement Mark	Asphalt	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	7	0.9	mg/cm2	Negative	1	8/3/2023	10:37:46	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Pavement Mark	Asphalt	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	8	0.9	mg/cm2	Negative	1	8/3/2023	10:38:58	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Pavement Mark	Asphalt	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	9	0.1	mg/cm2	Negative	1	8/3/2023	10:44:04	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Post	Metal	-	Brown	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	10	0.1	mg/cm2	Negative	1	8/3/2023	10:44:25	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Post	Metal	-	Purple	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	11	0.1	mg/cm2	Negative	1	8/3/2023	10:44:44	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Post	Metal	-	Pink	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	12	0	mg/cm2	Negative	1	8/3/2023	10:45:00	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Post	Metal	-	Red	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	13	0.1	mg/cm2	Negative	1	8/3/2023	10:45:24	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Post	Metal	-	Green	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	14	0.1	mg/cm2	Negative	1	8/3/2023	10:45:38	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Post	Metal	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	15	0.1	mg/cm2	Negative	1	8/3/2023	10:45:52	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Post	Metal	-	Black	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	16	0	mg/cm2	Negative	1	8/3/2023	10:46:12	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Base	Concrete	-	Black	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	17	0	mg/cm2	Negative	1	8/3/2023	10:46:27	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Base	Concrete	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	18	0	mg/cm2	Negative	1	8/3/2023	10:46:41	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Base	Concrete	-	Pink	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	19	0	mg/cm2	Negative	1	8/3/2023	10:46:58	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Base	Concrete	-	Green	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	20	0	mg/cm2	Negative	1	8/3/2023	10:47:12	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Base	Concrete	-	Blue	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	21	0.2	mg/cm2	Negative	1	8/3/2023	10:48:13	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Bench	Metal	-	Purple	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	22	0	mg/cm2	Negative	1	8/3/2023	10:49:14	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Planters	Concrete	-	Orange	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	23	0	mg/cm2	Negative	1	8/3/2023	10:49:30	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Planters	Concrete	-	Blue	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	24	0	mg/cm2	Negative	1	8/3/2023	10:49:46	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Planters	Concrete	-	Green	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	25	0	mg/cm2	Negative	1	8/3/2023	10:50:06	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Planters	Concrete	-	Red	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	26	0	mg/cm2	Negative	1	8/3/2023	10:50:26	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Planters	Concrete	-	Pink	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	27	0	mg/cm2	Negative	1	8/3/2023	10:50:34	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Planters	Concrete	-	Pink	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	28	0	mg/cm2	Negative	1	8/3/2023	10:51:08	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Column	Concrete	-	Purple	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	29	0	mg/cm2	Negative	1	8/3/2023	10:51:39	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Floor	Ceramic	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	30	0	mg/cm2	Negative	1	8/3/2023	10:51:48	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Floor	Ceramic	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	31	0	mg/cm2	Negative	1	8/3/2023	10:51:56	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Floor	Ceramic	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	32	0	mg/cm2	Negative	1	8/3/2023	10:52:05	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Floor	Ceramic	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	33	0	mg/cm2	Negative	1	8/3/2023	10:52:15	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Floor	Ceramic	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	34	0	mg/cm2	Negative	1	8/3/2023	10:53:09	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Metallic Structures	Metal	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	35	0	mg/cm2	Negative	1	8/3/2023	10:53:18	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Metallic Structures	Metal	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	36	0	mg/cm2	Negative	1	8/3/2023	10:53:33	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Metallic Structures	Metal	-	Blue	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	37	0	mg/cm2	Negative	1	8/3/2023	10:53:52	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Metallic Structures	Metal	-	Orange	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	38	0	mg/cm2	Negative	1	8/3/2023	10:55:09	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Post	Metal	-	Blue	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	39	0	mg/cm2	Negative	1	8/3/2023	10:55:17	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Post	Metal	-	Blue	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	40	0	mg/cm2	Negative	1	8/3/2023	10:55:28	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Post	Metal	-	Blue	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	41	0	mg/cm2	Negative	1	8/3/2023	10:55:37	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Post	Metal	-	Blue	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	42	0	mg/cm2	Negative	1	8/3/2023	10:55:46	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Post	Metal	-	Blue	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	43	0	mg/cm2	Negative	1	8/3/2023	10:56:07	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Base	Concrete	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	44	0.1	mg/cm2	Negative	1	8/3/2023	10:56:16	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Base	Concrete	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	45	0.1	mg/cm2	Negative	1	8/3/2023	10:56:24	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Base	Concrete	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	46	0.1	mg/cm2	Negative	1	8/3/2023	10:56:33	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Base	Concrete	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	47	0	mg/cm2	Negative	1	8/3/2023	10:56:41	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Base	Concrete	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	48	0	mg/cm2	Negative	1	8/3/2023	10:56:50	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Base	Concrete	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	49	0	mg/cm2	Negative	1	8/3/2023	10:57:37	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Bench	Metal	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	50	0.1	mg/cm2	Negative	1	8/3/2023	10:57:47	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Bench	Metal	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	51	0.3	mg/cm2	Negative	1	8/3/2023	10:59:23	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Planters	Concrete	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	52	0.3	mg/cm2	Negative	1	8/3/2023	10:59:32	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Planters	Concrete	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	53	0.1	mg/cm2	Negative	1	8/3/2023	10:59:55	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Planters	Concrete	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	54	0	mg/cm2	Negative	1	8/3/2023	11:00:04	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Planters	Concrete	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	55	0.1	mg/cm2	Negative	1	8/3/2023	11:00:12	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Planters	Concrete	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	56	0.1	mg/cm2	Negative	1	8/3/2023	11:01:31	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Concrete Structure	Concrete	-	Purple	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	57	0	mg/cm2	Negative	1	8/3/2023	11:02:51	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Post	Metal	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	58	0	mg/cm2	Negative	1	8/3/2023	11:03:00	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Post	Metal	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	59	0	mg/cm2	Negative	1	8/3/2023	11:03:50	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Post	Metal	-	Blue	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	60	0	mg/cm2	Negative	1	8/3/2023	11:03:58	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Post	Metal	-	Blue	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	61	0	mg/cm2	Negative	1	8/3/2023	11:04:07	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Post	Metal	-	Blue	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	62	0	mg/cm2	Negative	1	8/3/2023	11:04:46	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Base	Concrete	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	63	0	mg/cm2	Negative	1	8/3/2023	11:04:54	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Base	Concrete	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	64	0	mg/cm2	Negative	1	8/3/2023	11:05:11	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Base	Concrete	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	65	0.1	mg/cm2	Negative	1	8/3/2023	11:05:23	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Base	Concrete	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	66	0.1	mg/cm2	Negative	1	8/3/2023	11:06:25	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Metallic Structures	Metal	-	Brown	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	67	0.1	mg/cm2	Negative	1	8/3/2023	11:06:37	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Metallic Structures	Metal	-	Brown	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	68	0.3	mg/cm2	Negative	1	8/3/2023	11:07:18	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Floor	Ceramic	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	69	0.1	mg/cm2	Negative	1	8/3/2023	11:07:27	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Floor	Ceramic	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	70	0.4	mg/cm2	Negative	1	8/3/2023	11:07:36	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Floor	Ceramic	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	71	0.4	mg/cm2	Negative	1	8/3/2023	11:07:44	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Floor	Ceramic	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	72	0.1	mg/cm2	Negative	1	8/3/2023	11:07:54	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Floor	Ceramic	-	Gray	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	73	0.3	mg/cm2	Negative	1	8/3/2023	11:08:11	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Floor	Ceramic	-	Gray	Deteriorated	-

PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO) XRF SHEET																		
Company	**Heuresis Corp.**																	
Model	Pb200i																	
Type	XRF Lead Paint Analyzer																	
Serial Num.	2705																	
App Version	Pb200i-5.3.1																	
Job Id	**Reading #**	**Concentration**	**Units**	**Result**	**Level**	**Date**	**Time**	**Inspector**	**Job**	**Room**	**Structure**	**Component**	**Substrate**	**Wall**	**Color**	**Condition**	**Approx. Qty.**	
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	74	0.2	mg/cm2	Negative	1	8/3/2023	11:08:21	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Floor	Ceramic	-	Gray	Deteriorated	-	
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	75	0.2	mg/cm2	Negative	1	8/3/2023	11:08:30	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Floor	Ceramic	-	Gray	Deteriorated	-	
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	76	0.1	mg/cm2	Negative	1	8/3/2023	11:08:50	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Column	Concrete	-	Mostly Unpainted	Deteriorated	-	
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	77	0.1	mg/cm2	Negative	1	8/3/2023	11:09:03	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Column	Concrete	-	Gray	Deteriorated	-	
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	78	0.1	mg/cm2	Negative	1	8/3/2023	11:12:33	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Floor	Ceramic	-	Gray	Deteriorated		
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	79	0.1	mg/cm2	Negative	1	8/3/2023	11:12:42	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Floor	Ceramic	-	Gray	Deteriorated		
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	80	0.1	mg/cm2	Negative	1	8/3/2023	11:12:50	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Floor	Ceramic	-	Gray	Deteriorated		
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	81	0	mg/cm2	Negative	1	8/3/2023	11:12:59	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Floor	Ceramic	-	Gray	Deteriorated		
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	82	0	mg/cm2	Negative	1	8/3/2023	11:13:08	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Floor	Ceramic	-	Gray	Deteriorated	DUPLICATED READINGS	
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	83	0.1	mg/cm2	Negative	1	8/3/2023	11:13:16	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Floor	Ceramic	-	Gray	Deteriorated		
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	84	0.1	mg/cm2	Negative	1	8/3/2023	11:13:24	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Floor	Ceramic	-	Gray	Deteriorated		
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	85	0	mg/cm2	Negative	1	8/3/2023	11:13:33	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Floor	Ceramic	-	Gray	Deteriorated		
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	86	0	mg/cm2	Negative	1	8/3/2023	11:13:41	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Column	Concrete	-	Mostly Unpainted	Deteriorated		
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (PASEO DE DIEGO)	87	0	mg/cm2	Negative	1	8/3/2023	11:13:49	R.RODRIGUEZ	21	Exterior	Paseo de Diego	Column	Concrete	-	Gray	Deteriorated		
-	88	1	mg/cm2	Positive	1	8/3/2023	11:14:10	R.RODRIGUEZ	-	-	Calibration	-	-	-	-	-	-	
-	89	1	mg/cm2	Positive	1	8/3/2023	11:14:28	R.RODRIGUEZ	-	-	Calibration	-	-	-	-	-	-	
-	90	1.1	mg/cm2	Positive	1	8/3/2023	11:14:46	R.RODRIGUEZ	-	-	Calibration	-	-	-	-	-	-	

PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO) XRF SHEET																		
Company	**Heuresis Corp.**																	
Model	Pb200i																	
Type	XRF Lead Paint Analyzer																	
Serial Num.	2705																	
App Version	Pb200i-5.3.1																	
Job Id	**Reading #**	**Concentration**	**Units**	**Result**	**Level**	**Date**	**Time**	**Inspector**	**Job**	**Room**	**Structure**	**Component**	**Substrate**	**Wall**	**Color**	**Condition**	**Approx. Qty.**
-	1	1	mg/cm2	Positive	1	8/4/2023	10:34:25	R.RODRIGUEZ	-	-	Calibration	-	-	-	-	-	-
-	2	1	mg/cm2	Positive	1	8/4/2023	10:34:44	R.RODRIGUEZ	-	-	Calibration	-	-	-	-	-	-
-	3	1	mg/cm2	Positive	1	8/4/2023	10:35:03	R.RODRIGUEZ	-	-	Calibration	-	-	-	-	-	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	4	0	mg/cm2	Negative	1	8/4/2023	10:36:30	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Post	Metal	-	Black	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	5	0.1	mg/cm2	Negative	1	8/4/2023	10:36:39	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Post	Metal	-	Black	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	6	0.1	mg/cm2	Negative	1	8/4/2023	10:36:47	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Post	Metal	-	Black	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	7	0	mg/cm2	Negative	1	8/4/2023	10:37:26	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Bench	Metal	-	Green	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	8	0.1	mg/cm2	Negative	1	8/4/2023	10:37:48	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Bench	Metal	-	Green	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	9	0	mg/cm2	Negative	1	8/4/2023	10:38:03	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Bench	Metal	-	Green	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	10	0	mg/cm2	Negative	1	8/4/2023	10:38:59	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Post	Metal	-	Black	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	11	0.3	mg/cm2	Negative	1	8/4/2023	10:39:34	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Post	Metal	-	Black	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	12	0	mg/cm2	Negative	1	8/4/2023	10:40:16	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Post	Metal	-	Blue	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	13	0	mg/cm2	Negative	1	8/4/2023	10:40:24	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Post	Metal	-	Blue	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	14	0.1	mg/cm2	Negative	1	8/4/2023	10:41:04	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Pavement Mark	Concrete	-	Blue	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	15	0.2	mg/cm2	Negative	1	8/4/2023	10:41:24	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Pavement Mark	Concrete	-	Blue	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	16	0	mg/cm2	Negative	1	8/4/2023	10:42:01	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Pavement Mark	Concrete	-	Blue	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	17	0.1	mg/cm2	Negative	1	8/4/2023	10:42:32	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Post	Metal	-	Black	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	18	0	mg/cm2	Negative	1	8/4/2023	10:42:46	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Post	Metal	-	Black	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	19	0	mg/cm2	Negative	1	8/4/2023	10:43:40	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Post	Metal	-	Black	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	20	0	mg/cm2	Negative	1	8/4/2023	10:43:57	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Post	Metal	-	Green	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	21	0	mg/cm2	Negative	1	8/4/2023	10:44:06	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Post	Metal	-	Green	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	22	0	mg/cm2	Negative	1	8/4/2023	10:44:15	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Post	Metal	-	Green	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	23	0	mg/cm2	Negative	1	8/4/2023	10:44:48	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Post	Metal	-	Green	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	24	0.8	mg/cm2	Negative	1	8/4/2023	10:45:44	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Fire Hydrant	Metal	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	25	0.1	mg/cm2	Negative	1	8/4/2023	10:46:47	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Bench	Metal	-	Green	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	26	0	mg/cm2	Negative	1	8/4/2023	10:47:08	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Bench	Metal	-	Green	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	27	0	mg/cm2	Negative	1	8/4/2023	10:47:33	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Bench	Metal	-	Green	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	28	0	mg/cm2	Negative	1	8/4/2023	10:58:34	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Post	Metal	-	Green	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	29	0	mg/cm2	Negative	1	8/4/2023	10:58:43	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Post	Metal	-	Green	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	30	0.3	mg/cm2	Negative	1	8/4/2023	10:59:36	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Curb	Concrete	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	31	0.2	mg/cm2	Negative	1	8/4/2023	11:00:03	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Curb	Concrete	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	32	0.2	mg/cm2	Negative	1	8/4/2023	11:00:43	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Curb	Concrete	-	White	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	33	0.1	mg/cm2	Negative	1	8/4/2023	11:01:13	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Curb	Concrete	-	White	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	34	0.2	mg/cm2	Negative	1	8/4/2023	11:01:45	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Curb	Concrete	-	White	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	35	0.1	mg/cm2	Negative	1	8/4/2023	11:02:29	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Curb	Concrete	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	36	0.2	mg/cm2	Negative	1	8/4/2023	11:02:51	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Curb	Concrete	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	37	0.2	mg/cm2	Negative	1	8/4/2023	11:03:20	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Curb	Concrete	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	38	0.2	mg/cm2	Negative	1	8/4/2023	11:04:40	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Curb	Concrete	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	39	0.3	mg/cm2	Negative	1	8/4/2023	11:04:57	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Curb	Concrete	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	40	0.3	mg/cm2	Negative	1	8/4/2023	11:05:20	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Curb	Concrete	-	Blue	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	41	0.3	mg/cm2	Negative	1	8/4/2023	11:06:00	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Curb	Concrete	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	42	0.2	mg/cm2	Negative	1	8/4/2023	11:06:30	R.RODRIGUEZ	21	Exterior	Calle De Diego to East	Ramp	Concrete	-	Blue	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	43	0.2	mg/cm2	Negative	1	8/4/2023	11:07:13	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Ramp	Concrete	-	Blue	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	44	0.1	mg/cm2	Negative	1	8/4/2023	11:07:38	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Curb	Concrete	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	45	0.3	mg/cm2	Negative	1	8/4/2023	11:08:16	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Curb	Concrete	-	White	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	46	0.2	mg/cm2	Negative	1	8/4/2023	11:09:09	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Curb	Concrete	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	47	0.2	mg/cm2	Negative	1	8/4/2023	11:10:00	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Curb	Concrete	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	48	0.2	mg/cm2	Negative	1	8/4/2023	11:10:09	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Curb	Concrete	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	49	0.1	mg/cm2	Negative	1	8/4/2023	11:10:41	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Post	Concrete	-	Beige	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	50	0	mg/cm2	Negative	1	8/4/2023	11:10:50	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Post	Concrete	-	Beige	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	51	0.2	mg/cm2	Negative	1	8/4/2023	11:10:59	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Post	Concrete	-	Beige	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	52	0.9	mg/cm2	Negative	1	8/4/2023	11:11:33	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Fire Hydrant	Metal	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	53	0.3	mg/cm2	Negative	1	8/4/2023	11:12:46	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Curb	Concrete	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	54	0	mg/cm2	Negative	1	8/4/2023	11:13:17	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Post	Concrete	-	Yellow	Deteriorated	-

PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO) XRF SHEET																		
Company	**Heuresis Corp.**																	
Model	Pb200i																	
Type	XRF Lead Paint Analyzer																	
Serial Num.	2705																	
App Version	Pb200i-5.3.1																	
Job Id	**Reading #**	**Concentration**	**Units**	**Result**	**Level**	**Date**	**Time**	**Inspector**	**Job**	**Room**	**Structure**	**Component**	**Substrate**	**Wall**	**Color**	**Condition**	**Approx. Qty.**
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	55	0.1	mg/cm2	Negative	1	8/4/2023	11:13:59	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Post	Concrete	-	Red	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	56	0.4	mg/cm2	Negative	1	8/4/2023	11:14:19	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Curb	Concrete	-	Blue	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	57	0.2	mg/cm2	Negative	1	8/4/2023	11:14:28	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Curb	Concrete	-	Blue	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	58	0	mg/cm2	Negative	1	8/4/2023	11:15:18	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Curb	Concrete	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	59	0	mg/cm2	Negative	1	8/4/2023	11:15:58	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Post	Metal	-	Black	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	60	0	mg/cm2	Negative	1	8/4/2023	11:16:28	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Post	Metal	-	Green	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	61	0	mg/cm2	Negative	1	8/4/2023	11:16:37	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Post	Metal	-	Green	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	62	0	mg/cm2	Negative	1	8/4/2023	11:16:46	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Post	Metal	-	Green	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	63	0.4	mg/cm2	Negative	1	8/4/2023	11:17:30	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Pole	Metal	-	Purple	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	64	0	mg/cm2	Negative	1	8/4/2023	11:17:43	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Pole	Metal	-	Purple	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	65	0	mg/cm2	Negative	1	8/4/2023	11:17:52	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Pole	Metal	-	Purple	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	66	0	mg/cm2	Negative	1	8/4/2023	11:18:03	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Pole	Metal	-	Purple	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	67	0	mg/cm2	Negative	1	8/4/2023	11:19:41	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Post	Metal	-	Black	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	68	0	mg/cm2	Negative	1	8/4/2023	11:19:50	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Post	Metal	-	Black	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	69	0.8	mg/cm2	Negative	1	8/4/2023	11:21:06	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Fire Hydrant	Metal	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	70	0.2	mg/cm2	Negative	1	8/4/2023	11:22:09	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Curb	Concrete	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	71	0.2	mg/cm2	Negative	1	8/4/2023	11:22:46	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Curb	Concrete	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	72	0	mg/cm2	Negative	1	8/4/2023	11:23:10	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Curb	Concrete	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	73	0	mg/cm2	Negative	1	8/4/2023	11:23:30	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Curb	Concrete	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	74	0	mg/cm2	Negative	1	8/4/2023	11:23:42	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Curb	Concrete	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	75	0.1	mg/cm2	Negative	1	8/4/2023	11:23:56	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Curb	Concrete	-	Yellow	Deteriorated	-
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	76	0	mg/cm2	Negative	1	8/4/2023	11:25:27	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Pole	Metal	-	Purple	Deteriorated	
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	77	0	mg/cm2	Negative	1	8/4/2023	11:25:36	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Post	Metal	-	Black	Deteriorated	
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	78	0	mg/cm2	Negative	1	8/4/2023	11:25:44	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Post	Metal	-	Black	Deteriorated	
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	79	0.9	mg/cm2	Negative	1	8/4/2023	11:25:53	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Fire Hydrant	Metal	-	Yellow	Deteriorated	
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	80	0	mg/cm2	Negative	1	8/4/2023	11:26:01	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Curb	Concrete	-	Yellow	Deteriorated	DUPLICATED READINGS
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	81	0	mg/cm2	Negative	1	8/4/2023	11:26:10	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Curb	Concrete	-	Yellow	Deteriorated	
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	82	0	mg/cm2	Negative	1	8/4/2023	11:26:19	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Curb	Concrete	-	Yellow	Deteriorated	
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	83	0	mg/cm2	Negative	1	8/4/2023	11:26:28	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Curb	Concrete	-	Yellow	Deteriorated	
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	84	0	mg/cm2	Negative	1	8/4/2023	11:26:38	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Curb	Concrete	-	Yellow	Deteriorated	
PASEO DE DIEGO (AVE. PONCE DE LEON TO AVE. BARBOSA) (CALLE DE DIEGO)	85	0	mg/cm2	Negative	1	8/4/2023	11:26:46	R.RODRIGUEZ	21	Exterior	Calle De Diego to West	Curb	Concrete	-	Yellow	Deteriorated	
-	86	1	mg/cm2	Positive	1	8/4/2023	11:27:11	R.RODRIGUEZ	-	-	Calibration	-	-	-	-	-	-
-	87	1	mg/cm2	Positive	1	8/4/2023	11:27:32	R.RODRIGUEZ	-	-	Calibration	-	-	-	-	-	-
-	88	0.9	mg/cm2	Negative	1	8/4/2023	11:27:55	R.RODRIGUEZ	-	-	Calibration	-	-	-	-	-	-

Attachment 5
Certification for Non-Presence LBP

GOBIERNO DE PUERTO RICO
OFICINA DEL GOBERNADOR
JUNTA DE CALIDAD AMBIENTAL

Área de Calidad de Agua

OGPe
Oficina de Gerencia de Permisos

Forma PGC-010

CERTIFICACION DE NO PRESENCIA DE PINTURA CON BASE DE PLOMO EN ESTRUCTURAS A DEMOLERSE

(Deberá completarse en letra de molde o impresa)

PGC-_____
PARA USO OFICIAL

SUBMITTED AS SEPARATE DOCUMENT

Attachment 6

XRF Performance Characteristic Sheet

Performance Characteristic Sheet

EFFECTIVE DATE: **September 1, 2022**

MANUFACTURER AND MODEL:

Make: ***Heuresis***
Models: ***Model Pb200i, Pb200e***
Source: ***^{57}Co, 5 mCi (nominal – new source)***

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Action Level 1.0 mg/cm^2

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm^2 (inclusive)

SUBSTRATE CORRECTION:

Not applicable

INCONCLUSIVE RANGE OR THRESHOLD:

ACTION LEVEL MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm^2)
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	1.0 1.0 1.0 1.0 1.0 1.0

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated using test results on building components in the HUD archive. Testing was conducted on 146 test samples in November 2015, with two separate instruments running software version 2.1-2 in Action Level test mode. The actual source strength of each instrument on the day of testing was approximately 2.0 mCi; source ages were approximately one year.

OPERATING PARAMETERS

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm^2 in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm^2 film).

If the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Chapter 7 of the HUD Guidelines provides guidance on correcting XRF results for substrate bias. Supplemental guidance for using the paint film nearest 1.0 mg/cm^2 for substrate correction is provided:

XRF results are corrected for substrate bias by subtracting from each XRF result a correction value determined separately in each house for single-family housing or in each development for multifamily housing, for each substrate. The correction value is an average of XRF readings taken over the NIST SRM paint film nearest to 1.0 mg/cm^2 at test locations that have been scraped bare of their paint covering. Compute the correction values as follows:

> Using the same XRF instrument, take three readings on a bare substrate area covered with the NIST SRM paint film nearest 1 mg/cm^2. Repeat this procedure by taking three more readings on a second bare substrate area of the same substrate covered with the NIST SRM.
>
> Compute the correction value for each substrate type where XRF readings indicate substrate correction is needed by computing the average of all six readings as shown below.
>
> <u>For each substrate type</u> (the 1.02 mg/cm^2 NIST SRM is shown in this example; use the actual lead loading of the NIST SRM used for substrate correction):
>
> Correction value = (1st + 2nd + 3rd + 4th + 5th + 6th *Reading*)/6 - 1.02 mg/cm^2
>
> Repeat this procedure for each substrate requiring substrate correction in the house or housing development.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing.

Conduct XRF re-testing at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below. Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family and multi-family housing, a result is defined as a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and the retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF readings.

Compute the average of all ten re-test XRF readings.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

In the Action Level paint test mode, the instrument takes the longest time to complete readings close to the Federal standard of 1.0 mg/cm^2. The table below shows the mean and standard deviation of actual reading times by reading level for paint samples during the November 2015 archive testing. The tested instruments reported readings to one decimal place. No significant differences in reading times by substrate were observed. These times apply only to instruments with the same source strength as those tested (2.0 mCi). Instruments with stronger sources will have shorter reading times and those with weaker sources, longer reading times, than those in the table.

Mean and Standard Deviation of Reading Times in Action Level Mode by Reading Level		
Reading (mg/cm^2)	**Mean Reading Time (seconds)**	**Standard Deviation (seconds)**
< 0.7	3.48	0.47
0.7	7.29	1.92
0.8	13.95	1.78
0.9 – 1.2	15.25	0.66
1.3 – 1.4	6.08	2.50
≥ 1.5	3.32	0.05

CLASSIFICATION OF RESULTS:

XRF results are classified as **positive** if they are **greater than or equal** to the stated threshold for the instrument (1.0 mg/cm^2), and *negative* if they are *less than* the threshold.

DOCUMENTATION:

A report titled *Methodology for XRF Performance Characteristic Sheets* (EPA 747-R-95-008) provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. The report may be downloaded at http://www2.epa.gov/lead/methodology-xrf-performance-characteristic-sheets-epa-747-r-95-008-september-1997.

This XRF Performance Characteristic Sheet (PCS) was developed by QuanTech, Inc., under a contract with the XRF manufacturer.

www.nortolpr.com | info@nortolpr.com | 787.420.0220
PO Box 366457, San Juan, PR 00936-6457

GOBIERNO DE PUERTO RICO
OFICINA DEL GOBERNADOR
JUNTA DE CALIDAD AMBIENTAL

Área de Calidad de Agua

Forma PGC-010

CERTIFICACION DE NO PRESENCIA DE PINTURA CON BASE DE PLOMO EN ESTRUCTURAS A DEMOLERSE

(Deberá completarse en letra de molde o impresa)

NUM. PERMISO: _____

Yo, Roberto Rodríguez (Inspector o Evaluador de Riesgos), mayor de edad, casado (Estado Civil), y vecino de Juana Díaz P.R. (Municipio)

Dirección Postal PO BOX 366457 San Juan, P.R. 00936-6457 (Pueblo) (Zip Code)

Teléfonos: Residencial: (939) 775-7287 Oficina: (787) 420- 0220

Certifico que:

1. Estoy certificado por la Junta de Calidad Ambiental como (☒ Inspector / ___ Evaluador de Riesgos) con Número de Certificación LBPI-05422-074, la cual se encuentra vigente.
2. La estructura pórticos, estructuras metálicas, jardineras, aceras, encintados y pavimentos RFP # DUDP-2022-056 Municipio de San Juan localizada en Paseo De Diego (Ave. Ponce De León to Ave. Barbosa) CRP-000956 Calle y Paseo de Diego, San Juan, P.R., la cual será objeto de una demolición se encuentra libre de pintura con base de plomo.
3. La información antes indicada es cierta y correcta.
4. Afirmo y reconozco las consecuencias de incluir y someter información falsa en este documento.
5. Para que así conste, firmo la presente certificación en San Juan (Municipio) de Puerto Rico, hoy día 3 de agosto de 2023

_____
Firma del Inspector o Evaluador de Riesgos (en original)

Nota : Deberá someter evidencia de la tarjeta o certificado provista por la JCA.

Dirección Física: Ave. Ponce de León 1308, Carr. Estatal 8838, Sector el Cinco, Río Piedras, PR 00926
Dirección Postal: Apartado 11488, Santurce, PR 00910-1488
Tel. (787) 767-8181 • Fax (787) 767-1962

LEAD-SAFE EPA CERTIFIED FIRM

NAT-F121771-2

Puerto Rico
Lead-based Paint Inspector and Company Accreditations

ASBESTOS-CONTAINING MATERIALS LIMITED SURVEY

PASEO DE DIEGO (AVE. PONCE DE LEÓN TO AVE. BARBOSA)

CRP-000956 Calle y Paseo de Diego

San Juan, Puerto Rico 00925

Inspection Dates: August 3 & 4, 2023

Prepared for: Municipality of San Juan

Prepared by: Nortol Environmental & Occupational Safety, Inc. on behalf of Integra Design Group

Inspector:

Sixto Suárez
Asbestos Inspector
ASB-0523-0224-SI

nortol.
Environmental & Occupational Safety, Inc. Est. 2002

NORTOL *has performed this survey in a thorough and professional manner consistent with commonly accepted industry standards.*

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- Survey Areas – Extent of Survey Coverage
- Findings

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List of Tables

Table 1.0 – Existing assessed components

Attachment 1 – Location Map/Aerial Picture and Representative Pictures\Photo Log

Attachment 2 – Inspector's Credential

Attachment 3 – Certification for Non-Presence Asbestos (PGC-009)

Acronyms

A/C	=	Air Conditioning
ACM	=	Asbestos-containing Material
ACBM	=	Asbestos-containing Building Material
AHERA	=	Asbestos Hazard Emergency Response Act
ASHARA	=	Asbestos School Hazard Abatement and Reauthorization Act
CFR	=	Code of Federal Regulations
CPSC	=	Consumer Product Safety Commission
EPA	=	Environmental Protection Agency
Ft2	=	square feet
HA	=	Homogeneous Area
HUD	=	Department of Housing and Urban Development
LF	=	Linear Feet
mg/cm2	=	milligrams per square centimeter
NESHAP'S	=	National Emission Standards for Hazardous Air Pollutants
NIOSH	=	National Institute for Occupational Safety and Health
OSHA	=	Occupational Safety and Health Administration
PLM	=	Polarized Light Microscopy
PRDOH	=	Puerto Rico Department of Housing
PRDNER	=	Puerto Rico Department of Natural and Environmental Resources
SACM	=	Suspect ACM
SOW	=	Scope of Work
TSI	=	Thermal System Insulation
VFT	=	Vinyl floor tiles

I. INTRODUCTION

As part of the environmental due diligence, this limited survey is intended to assess the general presence, quantity, and location of suspected asbestos-containing materials (SACM) at *Paseo De Diego (Ave. Ponce De León to Ave. Barbosa) CRP-000956 Calle y Paseo de Diego* project located at San Juan, P.R. 00925. See Location Map/Aerial Pictures in **Attachment 1**.

The SACM limited survey was conducted on August 3 & 4, 2023, by Mr. Sixto Suárez (ACM inspector num. ASB-0523-0224-SI) from Nortol. Inspector's credential is included in **Attachment 2.** Nortol's survey areas and report are limited to the details provided in Section II part D.

As explained in the next sections, Nortol did not identify suspect materials at the reference project, hence no bulk samples were collected nor sent to the laboratory for analysis. In addition, no suspect material was observed during the visual assessment that needed to be assumed as ACM. See Table 1.0 in Section II part E for the assessed materials.

There are concrete structural components. The floors are pavement asphalt, ceramic tiles, painted or bare concrete. The LBP survey was limited to the metallic structures, *porticos*, planters, demolition of sidewalks, curbs, and asphalt removal as part of the Municipality of San Juan RFP # DUDP-2022-056.

II. ASBESTOS SURVEY REPORT

A. Survey Protocol:

This activity was conducted following the latest protocol for assessing materials suspected of containing asbestos as defined by the U.S. Environmental Protection Agency (EPA). It involved a visual walk-through inspection of the accessible areas of the road segment to develop an inventory of suspect ACM homogeneous materials (if any). During the sampling activities, suspected ACM are touched and observed by the inspector to determine its friability and physical condition. A friable material is defined as a material that when dry, can be crumbled, or reduced to powder by hand pressure. The friability of a material causally relates to the potential of the asbestos fibers to be released. The inspector evaluates the suspect ACM according to their physical condition and potential damage.

B. Sampling Procedure:

The technique commonly used for sampling the suspected accessible materials is designed to minimize fiber release and in turn contamination of surrounding areas. When apply, representative suspected material samples are collected in accordance with the EPA's AHERA/ASHARA guidelines and procedures presented in the *Guide for Controlling Asbestos*

Containing Materials in Building (EPA 560-6-85-024, June 1985) and characterized following the *National Emission Standard for Hazardous Air Pollution (NESHAP)*, subpart M-Asbestos, 40 CFR Part 61-Standard for Demolition and Renovation. Samples of the homogeneous accessible materials are collected in quantities enough to determine asbestos content, and then placed in airtight bags. The bagged samples are properly collected, labeled, and identified. A Chain of Custody form is completed for collected bulk samples which are analyzed by an independent laboratory using the Polarized Light Microscopy (PLM) method. The laboratory utilizes dispersion staining techniques according to US EPA method 600/M4-82-020 incorporating visual estimates of identified material percentages.

C. Regulatory Review:

According to NESHAP's standards (40 CFR 61.141), Asbestos Containing Building Materials are classified into three categories: Category I - Nonfriable asbestos-containing material (ACM), Category II – other Nonfriable ACM, and Regulated asbestos-containing material (RACM). ACMs are classified into three categories according to EPA-AHERA/ASHARA's standards (40 CFR Part 763): Surfacing material, Thermal System Insulation (TSI) and Miscellaneous material.

The EPA Asbestos NESHAP standard defines friable ACM as any material containing more than (1) percent asbestos that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. Non-friable ACM is any material that contains more than one (1) percent asbestos and cannot be crumbled, pulverized, or reduced to powder by hand pressure.

Once the inspector has identified the ACM in a building, he or she must perform a physical assessment of TSI and friable material. Under § 763.88 of the AHERA Rule, the physical assessment of ACBM involve classifying the material into one of the following seven Categories: Damaged or significantly damaged TSI ACM; Damaged friable surfacing ACM; Significantly damaged friable surfacing ACM; Damaged or significantly damaged friable miscellaneous ACM; ACBM with potential for damage; ACBM with potential for significant damage; and Any remaining friable ACBM or friable suspected ACBM.

The PRDNER- former Environmental Quality Board (Regulation for the Control of Atmospheric Pollution-Rule 422) enacted in 1995, required all commercial and public building, including industries to identify asbestos containing building materials in their structures and take appropriate actions to control the release of asbestos fiber. Asbestos inspection is part of the permitting application process for any future project in the buildings which may include renovation or demolition activities regulated by the PR State/Municipal Offices. To obtain demolition permits in Puerto Rico is necessary to include a certification (OGP-PGC-009 or equivalent) stating that there is no asbestos containing material in the project.

D. Survey Areas – Extent of Survey Coverage:

The survey included a detailed structure inspection providing a general sense of the overall location, type, quantity, and condition of potential ACMs present. The survey was thorough in the interior or exterior accessible functional spaces, and bulk samples (if applied) are taken from the observed suspect materials. The presence of asbestos in suspect materials (if applied) is assumed or presumed in some cases without bulk samples being collected or analyzed (when applicable). This is necessary for locations where materials are inaccessible or areas that are unsafe to access (e.g., elevated heights, energized equipment, confined spaces, etc.). For those areas that were not safely accessible, suspect materials observed or presumed to be present (if applied) were documented and assumed as ACMs. The survey did not include destructive, intrusive and/or exploratory testing.

Areas Not Included in Survey and Service Constraints: All professional opinions presented in this report are based on information made available either by review of data provided by others or data gathered by Nortol personnel. Nortol affirms that data gathered and presented by Nortol in this report was collected in an appropriate manner in accordance with generally accepted methods and practices. Any energized utilities/services, including electricity, water and heat were assumed to be active. Materials associated with these items were determined to not be safely accessible and were not sampled. Suspect ACMs associated with these items should be assumed ACM until the systems can be de-energized and safely sampled. The survey did not include access or inspection of confined spaces or subsurface/underground areas including piping, conduits, building footings and soils (surficial or otherwise).

E. Findings

Nortol did not identified SACM at the existing components inspected and listed in Table 1.0. Therefore, no bulk samples were collected and/or sent to the laboratory for analysis. In addition, no suspect material was observed during the visual assessment that needed to be assumed as ACM.

Table 1.0
Existing components assessed for SACM

Component	Substrate	SACM
Pavement	concrete/asphalt	No
Poles	metal	No
Curbs	concrete	No

Representative Pictures\Photograph Log of the structure are provided in **Attachment 1**. Certification for non-presence of asbestos is provided in **Attachment 3**.

III. CONCLUSION

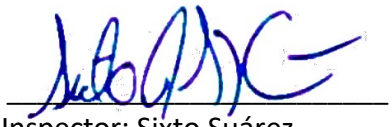
ACM limited survey was conducted for the project identified with the header ID. Nortol did not identify SACM at the referenced structure, hence no bulk samples were collected and/or sent to the laboratory for analysis. In addition, no suspect material was observed during the visual assessment that needed to be assumed as ACM.

Any conditions or materials that could not be visually identified or were out-of-the SOW, were not inspected and may differ from those conditions or materials noted. It was not within the scope of the activity to remove surface materials to investigate portions of the structure or materials that may lay beneath the surface. Nortol's selection of sample locations and frequency of sampling was based on Nortol's observations and the assumption that similar materials in the same area are homogeneous in content.

The report is designed to aid the building owner, architect, construction manager, general contractors, and potential asbestos or lead abatement contractors in locating ACM. Under no circumstances is the report to be utilized solely as a bidding document or as a project specification document.

IV. ASBESTOS ASSESSMENT REPORT CERTIFICATION

I certify that the subject project was done in accordance with current applicable regulations (i.e., PRDNER, USEPA) and that the information included in this report is true.



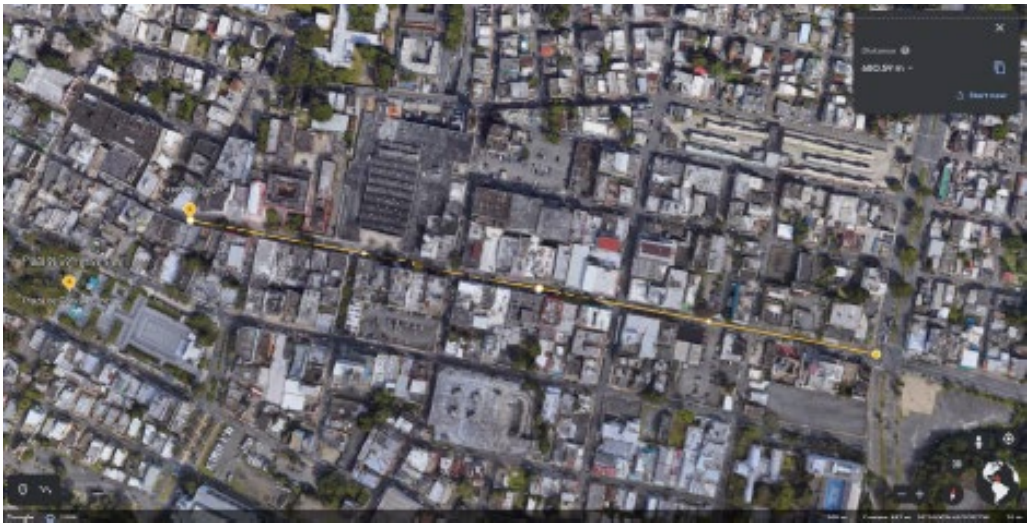
Inspector: Sixto Suárez
Asb. PR I.D. # ASB-0523-0224-SI

See Attachment 2 for inspector's accreditation.

Attachment 1

Location Map/Aerial Pictures and Representative Pictures\Photo Log

PASEO DE DIEGO (AVE. PONCE DE LEÓN TO AVE. BARBOSA)
CRP-000956 Calle De Diego y Paseo De Diego
Location Map/Aerial Pictures



Sixto Suárez
NORTOL. Environmental & Occupational Safety, Inc.

PASEO DE DIEGO (AVE. PONCE DE LEÓN TO AVE. BARBOSA) - **ACM SURVEY PHOTO LOG**

Year of construction not available at the moment of the inspection.

Thursday, August 3, 2023

Prepared For Integra Design Group

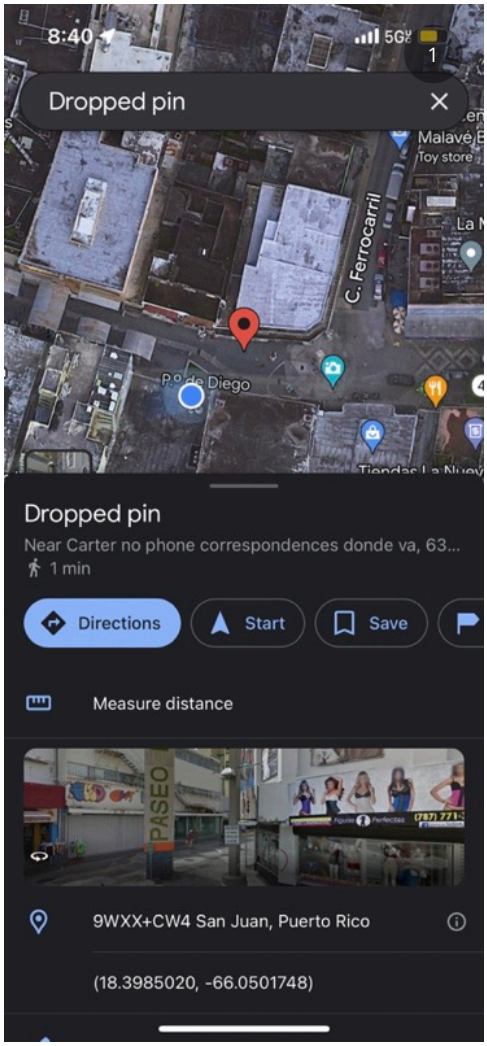
Paseo de Diego desde Ave. Ponce De León hasta Ave. Barbosa Rio Piedras, San Juan PR 00925

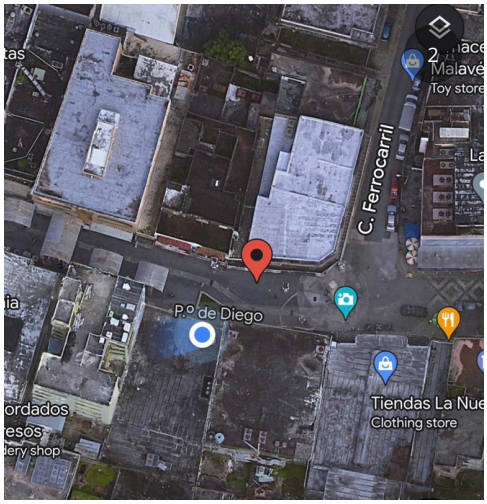
FRONT VIEW:

(18.3985020, -66.0501748)

LOCATION:

(18.3985020, -66.0501748)





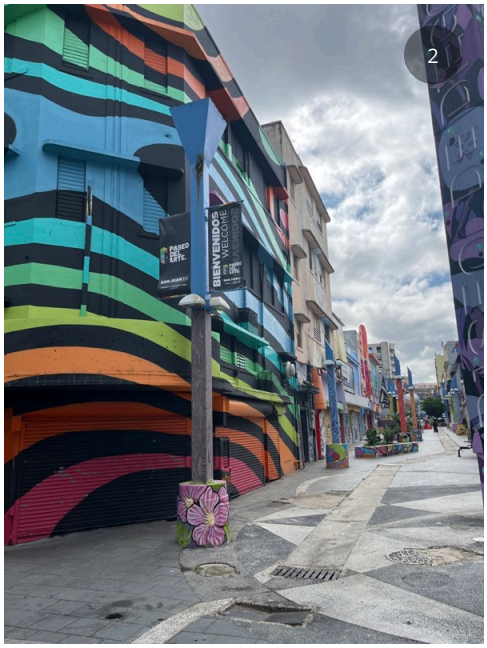
1

SCOPE OF WORK:

A/L inspection for removal of metallic structures, porticos, planters, demolition of sidewalks and curbs, and asphalt removal.

EXTERIOR GENERAL VIEWS: PASEO DE DIEGO

1



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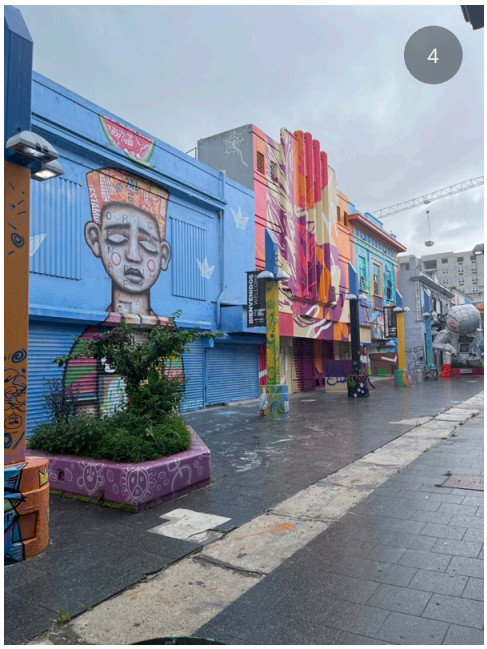
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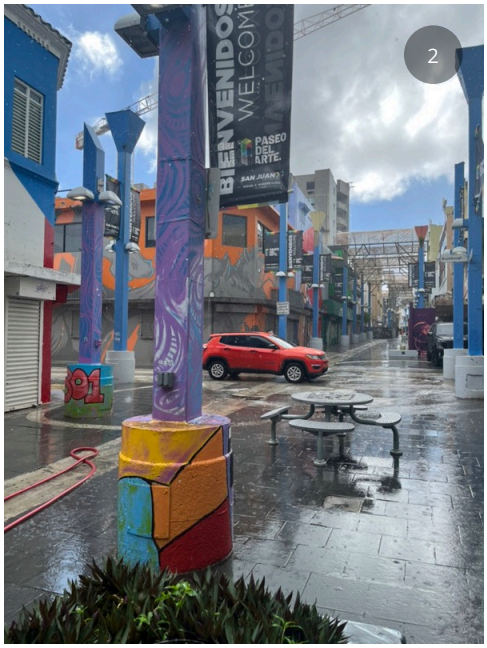
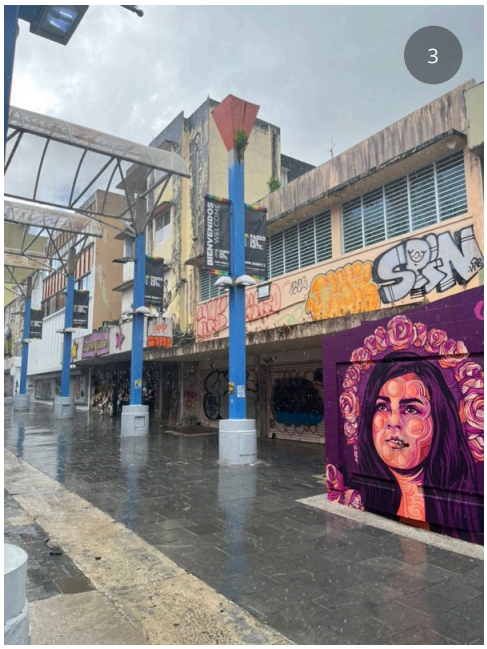
EXTERIOR GENERAL VIEWS: PASEO DE DIEGO





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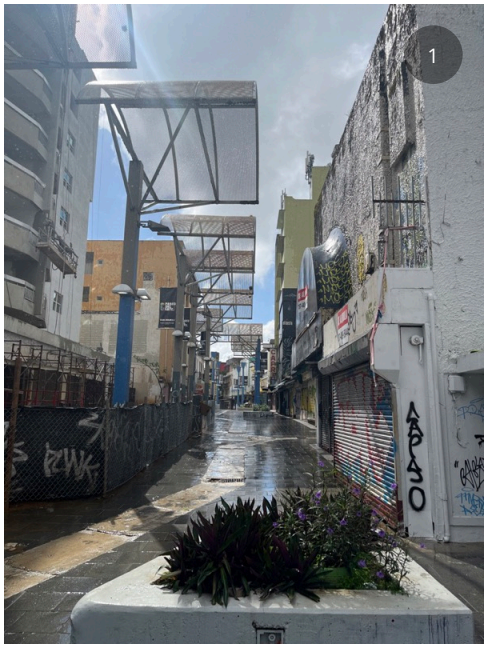
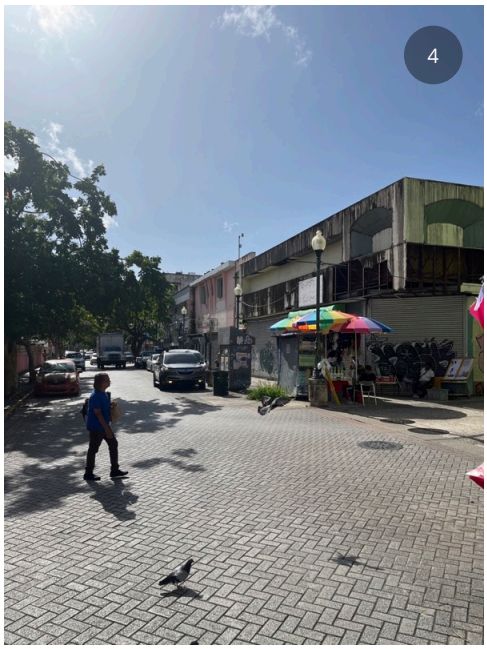


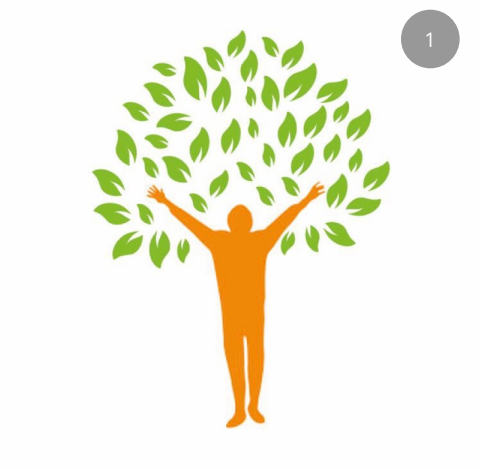
EXTERIOR GENERAL VIEWS: CALLE JOSÉ DE DIEGO



EXTERIOR GENERAL VIEWS: CALLE JOSÉ DE DIEGO

EXTERIOR GENERAL VIEWS: CALLE JOSÉ DE DIEGO

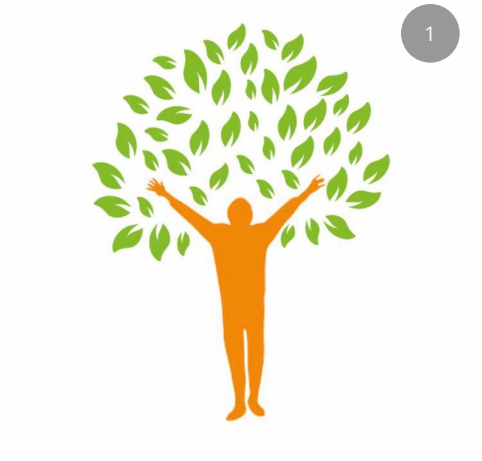
EXTERIOR GENERAL VIEWS: CALLE JOSÉ DE DIEGO



1

IS THERE ANY AREA WITHOUT ACCESS?

No.



1

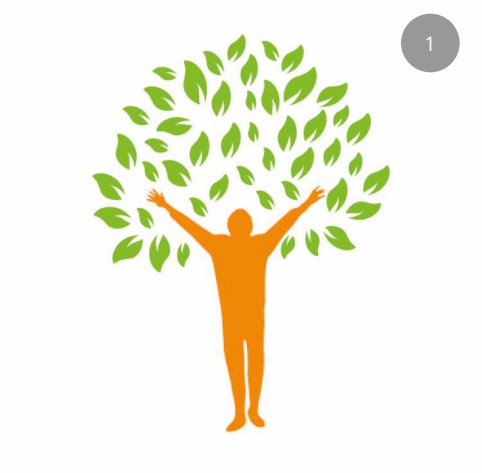
IS THERE ANY VISIBLE INDICATION OF MOLD?

No, mold was not found visible at the moment of the inspection.

1

ARE THERE SIGNS OF POOR HOUSEKEEPING ON SITE? (MOUNDS OF RUBBLE, GARBAGE, STORM DEBRIS, SOLID WASTE, PETROLEUM PRODUCTS, PAINT, PESTICIDES, CLEANING FLUIDS, VEHICLE BATTERIES, ABANDONED VEHICLES, PITS, POOLS, PONDS OF HAZARDOUS SUBSTANCES, ETC.)

No.



ARE ANY ADDITIONAL SITE HAZARDS OBSERVED?

No.

SACM VISIBLE?

No SACM visible at the moment of the inspection.

Attachment 2

Inspector's Credential

SIXTO SUAREZ
Puerto Rico
Asbestos Inspector

TARJETA DE REGISTRO
PARA LA REMOCION DE ASBESTO

Esta tarjeta autoriza a:

Sixto Suárez

Inspector

A trabajar en la remoción de asbesto en Puerto Rico. Esta persona **NO** es un empleado del DRNA.

ASB-0523-0224-SI

Número de Registro

11-abr-2024

Fecha de vencimiento

Firma Autorizada - Departamento Recursos Naturales y Ambientales

Attachment 3

Certification for Non-Presence Asbestos (PGC-009)

CERTIFICACION DE NO PRESENCIA DE ASBESTO EN ESTRUCTURAS A DEMOLERSE

(Deberá completarse en letra de molde o impresa)

SUBMITTED AS SEPARATE DOCUMENT

www.nortolpr.com | info@nortolpr.com | 787.420.0220
PO Box 366457, San Juan, PR 00936-6457

GOBIERNO DE PUERTO RICO
OFICINA DEL GOBERNADOR
JUNTA DE CALIDAD AMBIENTAL

Área de Calidad de Agua

OGPe Oficina de Gerencia de Permisos

Forma PGC-009

CERTIFICACION DE NO PRESENCIA DE ASBESTO EN ESTRUCTURAS A DEMOLERSE

(Deberá completarse en letra de molde o impresa)

PGC-_____
PARA USO OFICIAL

Yo, Sixto Suárez,, mayor de edad, casado, y vecino de Juana Díaz, Puerto Rico
(Nombre) (Estado Civil) (Municipio)

Dirección Postal P.O. Box 366457, San Juan P.R. 00936-6457
(Pueblo) (Zip Code)

Teléfonos: Residencial (787) 453-6127 Oficina (787) 420-0220
Fax (787) N/A

Certifico que:

1. La estructura pórticos, estructuras metálicas, jardineras, aceras, encintados y pavimentos RFP # DUDP-2022-056 Municipio de San Juan localizada en Paseo De Diego (Ave. Ponce De León to Ave. Barbosa) CRP-000956 Calle y Paseo de Diego, San Juan, P.R., la cual será objeto de una demolición se encuentra libre de asbesto.

2. La información antes indicada es cierta y correcta.

3. Afirmo y reconozco las consecuencias de incluir y someter información falsa en este documento.

4. Para que así conste, firmo la presente certificación en San Juan de Puerto Rico,
(Municipio)
hoy día 3 de agosto de 2023.

_____
Firma y Sello del Profesional o
Firma del Inspector de Asbesto registrado por la JCA (Original)

Nota: Ingenieros o Arquitectos deberán someter evidencia de que se encuentra al día en el pago de sus cuotas de colegiación e Inspectores de Asbesto deberán someter evidencia de la tarjeta de registro provista por la JCA.

Dirección Física: Ave. Ponce de León 1308, Carr. Estatal 8838, Sector el Cinco, Río Piedras, PR 00926
Dirección Postal: Apartado 11488, Santurce, PR 00910-1488
Tel. (787) 767-8181 • Fax (787) 767-1962

PUERTO RICO VERDE

TARJETA DE REGISTRO
PARA LA REMOCION DE ASBESTO

Esta tarjeta autoriza a:

Sixto Suárez

Inspector

A trabajar en la remoción de asbesto en Puerto Rico. Esta persona **NO** es un empleado del DRNA.

ASB-0523-0224-SI

Número de Registro

11-abr-2024

Fecha de vencimiento

Firma Autorizada - Departamento Recursos Naturales y Ambientales

PR Asbestos Inspector Accreditation

ASBESTOS-CONTAINING MATERIALS LIMITED SURVEY

CALLE DEL CARMEN, RIO PIEDRAS

San Juan, Puerto Rico

Inspection Date: June 24, 2025

Prepared for: Integra Design Group

Prepared by: Nortol Environmental & Occupational Safety, Inc.

Inspector:

Sixto Suárez
Asbestos Inspector
ASB-1024-0484-SI

nortol.
Environmental & Occupational Safety, Inc. Est. 2002

NORTOL *has performed this survey in a thorough and professional manner consistent with commonly accepted industry standards.*

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- Sampling Procedures
- Regulatory Review
- Survey Areas – Extent of Survey Coverage
- Findings

Conclusion 7

Attachment 1 – Inspector's Credentials

Attachment 2 – Representative Pictures\Photograph Log

Attachment 3 – Certification for Non-Presence Asbestos (PGC-009)

Acronyms

A/C	=	Air Conditioning
ACM	=	Asbestos-containing Material
ACBM	=	Asbestos-containing Building Material
AHERA	=	Asbestos Hazard Emergency Response Act
ASHARA	=	Asbestos School Hazard Abatement and Reauthorization Act
CFR	=	Code of Federal Regulations
CPSC	=	Consumer Product Safety Commission
EPA	=	Environmental Protection Agency
Ft2	=	square feet
HA	=	Homogeneous Area
HUD	=	Department of Housing and Urban Development
LF	=	Linear Feet
mg/cm2	=	milligrams per square centimeter
NESHAP'S	=	National Emission Standards for Hazardous Air Pollutants
NIOSH	=	National Institute for Occupational Safety and Health
OSHA	=	Occupational Safety and Health Administration
PLM	=	Polarized Light Microscopy
PRDOH	=	Puerto Rico Department of Housing
PRDNER	=	Puerto Rico Department of Natural and Environmental Resources
SACM	=	Suspect ACM
SOW	=	Scope of Work
TSI	=	Thermal System Insulation
VFT	=	Vinyl floor tiles

I. INTRODUCTION

As part of the environmental due diligence, this limited survey is intended to assess the general presence, quantity, and location of suspected asbestos-containing materials (SACM) at *Calle Del Carmen Río Piedras* project located at *San Juan, P.R*.

The SACM limited survey was conducted on June 24, 2025, by Mr. Sixto Suárez (ACM inspector num. ASB-1024-0484-SI) from Nortol. Inspector's credential(s) is included in **Attachment 1.** Nortol's survey areas and report are limited to the details provided in Section II part D.

Nortol did not identify suspect materials at the reference structure, hence no bulk samples were collected nor sent to the laboratory for analysis. In addition, no suspect material was observed during the visual assessment that needed to be assumed as ACM.

There is concrete and metal structural components. The floors are painted or bare concrete. The survey SOW was limited only to components of Del Carmen Street at Río Piedras, San Juan PR.

II. ASBESTOS SURVEY REPORT

A. Survey Protocol:

This activity was conducted following the latest protocol for assessing materials suspected of containing asbestos as defined by the U.S. Environmental Protection Agency (EPA). It involved a visual walk-through inspection of the accessible areas of the building to develop an inventory of suspect ACM homogeneous materials. When applied, during the sampling activities, suspected ACM are touched and observed by the inspector to determine its friability and physical condition. A friable material is defined as a material that when dry, can be crumbled, or reduced to powder by hand pressure. The friability of a material causally relates to the potential of the asbestos fibers to be released. The inspector assessed the suspect ACM according to their physical condition and potential damage.

B. Sampling Procedure:

When applied, the technique used for sampling the suspected accessible materials is designed to minimize possible fiber release and in turn possible contamination of surrounding areas. Representative suspected material samples are collected in accordance with the EPA's AHERA/ASHARA guidelines and procedures presented in the *Guide for Controlling Asbestos Containing Materials in Building (EPA 560-6-85-024, June 1985)* and characterized following the *National Emission Standard for Hazardous Air Pollution (NESHAP)*, subpart M-Asbestos, 40 CFR Part 61-Standard for Demolition and Renovation. Samples of the homogeneous accessible

materials are collected in quantities enough to determine asbestos content, and then placed in airtight bags. The bagged samples are properly collected, labeled, and identified. A Chain of Custody form is completed for collected bulk samples which are analyzed by an independent laboratory using PLM method. The laboratory utilizes dispersion staining techniques according to US EPA method 600/M4-82-020 incorporating visual estimates of identified material percentages.

C. Regulatory Review:

According to NESHAP's standards (40 CFR 61.141), Asbestos Containing Building Materials are classified into three categories: Category I - Nonfriable asbestos-containing material (ACM), Category II – other Nonfriable ACM, and Regulated asbestos-containing material (RACM). ACMs are classified into three categories according to EPA-AHERA/ASHARA's standards (40 CFR Part 763): Surfacing material, Thermal System Insulation (TSI) and Miscellaneous material.

Once the inspector has identified the ACM in a building, he or she must perform a physical assessment of TSI and friable material. Under § 763.88 of the AHERA Rule, the physical assessment of ACBM involve classifying the material into one of the following seven Categories: Damaged or significantly damaged TSI ACM; Damaged friable surfacing ACM; Significantly damaged friable surfacing ACM; Damaged or significantly damaged friable miscellaneous ACM; ACBM with potential for damage; ACBM with potential for significant damage; and Any remaining friable ACBM or friable suspected ACBM.

The PRDNER- former Environmental Quality Board (Regulation for the Control of Atmospheric Pollution-Rule 422) enacted in 1995, required all commercial and public building, including industries to identify asbestos containing building materials in their structures and take appropriate actions to control the release of asbestos fiber. Asbestos inspection is part of the permitting application process for any future project in the buildings which may include renovation or demolition activities regulated by the PR State/Municipal Offices. To obtain demolition permits in Puerto Rico is necessary to include a certification (OGP-PGC-009 or equivalent) stating that there is no asbestos containing material in the project.

D. Survey Areas – Extent of Survey Coverage:

The survey included a detailed structure inspection providing a general sense of the overall location, type, quantity, and condition of potential ACMs present. The survey was thorough in the interior or exterior accessible functional spaces, and bulk samples (if applied) are taken from the observed suspect materials. The presence of asbestos in suspect materials (if applied) is assumed or presumed in some cases without bulk samples being collected or analyzed (when applicable). This is necessary for locations where materials are inaccessible or areas that are

unsafe to access (e.g., elevated heights, energized equipment, confined spaces, etc.). For those areas that were not safely accessible, suspect materials observed or presumed to be present (if applied) were documented and assumed as ACMs. The survey did not include destructive, intrusive and/or exploratory testing.

Areas Not Included in Survey and Service Constraints: All professional opinions presented in this report are based on information made available either by review of data provided by others or data gathered by Nortol personnel. Nortol affirms that data gathered and presented by Nortol in this report was collected in an appropriate manner in accordance with accepted methods and practices. Any energized utilities/services, including electricity, water and heat were assumed to be active. Materials associated with these items were determined to not be safely accessible and were not sampled. Suspect ACMs associated with these items should be assumed ACM until the systems can be de-energized and safely sampled. The survey did not include access or inspection of confined spaces or subsurface/underground areas including piping, conduits, building footings and soils (surficial or otherwise).

E. Findings

Nortol did not identify SACM at the reference structure, therefore no bulk samples were collected and/or sent to the laboratory for analysis. In addition, no suspect material was observed during the visual assessment that needed to be assumed as ACM.

Representative Pictures\Photograph Log of the structure are provided in **Attachment 2**. Certification for non-presence of asbestos is provided in **Attachment 3**.

III. CONCLUSION

ACM limited survey was conducted for the project identified with the header ID. Nortol did not identify SACM at the referenced structure, hence no bulk samples were collected and/or sent to the laboratory for analysis. In addition, no suspect material was observed during the visual assessment that needed to be assumed as ACM.

Any conditions or materials that could not be visually identified or were out-of-the SOW, were not inspected and may differ from those conditions or materials noted. It was not within the scope of the activity to remove surface materials to investigate portions of the structure or materials that may lay beneath the surface. Nortol's selection of sample locations and frequency of sampling was based on Nortol's observations and the assumption that similar materials in the same area are homogeneous in content.

The report is designed to aid the building owner, architect, construction manager, general contractors, and potential asbestos or lead abatement contractors in locating ACM. Under no circumstances is the report to be utilized solely as a bidding document or as a project specification document.

Attachment 1

Inspector's Credential

SIXTO SUAREZ
Puerto Rico
Asbestos Inspector

TARJETA DE REGISTRO
PARA LA REMOCION DE ASBESTO

Esta tarjeta autoriza a:

Sixto Suárez Cintrón

Inspector

A trabajar en la remoción de asbesto en Puerto Rico. Esta persona **NO** es un empleado del DRNA.

ASB-1024-0484-SI

Número de Registro

22-oct-2025

Fecha de vencimiento

Firma Autorizada - Departamento Recursos Naturales y Ambientales

Attachment 2

Representative Pictures\Photograph Log

Sixto Suárez
NORTOL. Environmental & Occupational Safety, Inc.

CALLE DEL CARMEN EN RIO PIEDRAS - **ACM SURVEY PHOTO LOG**

Built circa: Not available at the moment of the inspection

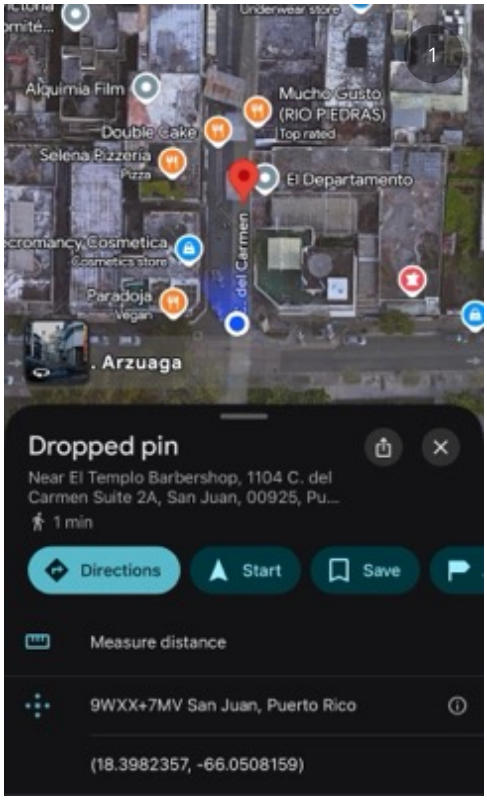
Tuesday, June 24, 2025

Prepared For Integra Design Group

Calle del Carmen, Rio Piedras

FRONT VIEW:
(18.3982357, -66.0508159)

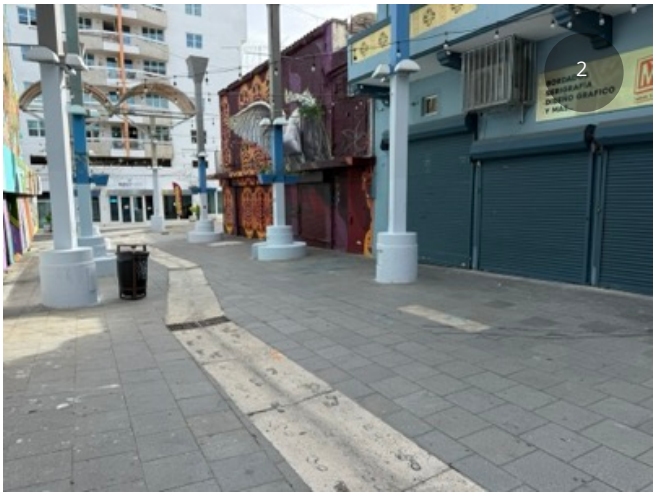
LOCATION:
(18.3982357, -66.0508159)



SCOPE OF WORK:
Full Inspection A/L

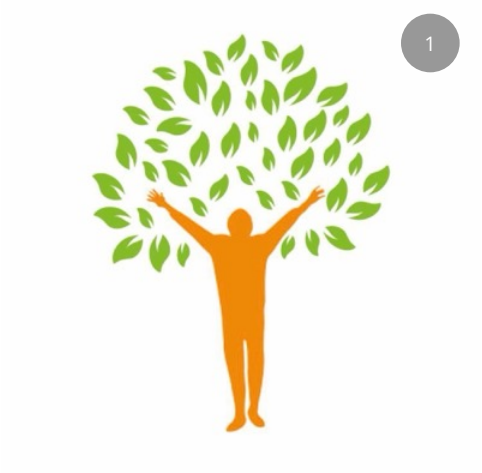
Job Id: LBP/ASB-2025-394

EXTERIOR GENERAL VIEWS:



IS THERE ANY AREA WITHOUT ACCESS?

All areas were accesible.



1

IS THERE ANY VISIBLE INDICATION OF MOLD?

No, mold was not found visible at the moment of the inspection.

1

ARE THERE SIGNS OF POOR HOUSEKEEPING ON SITE? (MOUNDS OF RUBBLE, GARBAGE, STORM DEBRIS, SOLID WASTE, PETROLEUM PRODUCTS, PAINT, PESTICIDES, CLEANING FLUIDS, VEHICLE BATTERIES, ABANDONED VEHICLES, PITS, POOLS, PONDS OF HAZARDOUS SUBSTANCES, ETC.)

Not found at the moment of the inspection.

1

ARE ANY ADDITIONAL SITE HAZARDS OBSERVED?

Not found at the moment of the inspection.

1

SACM VISIBLE?

No SACM visible at the moment of the inspection.

Attachment 3

Certification for Non-Presence Asbestos (PGC-009)

CERTIFICACION DE NO PRESENCIA DE ASBESTO EN ESTRUCTURAS A DEMOLERSE

(Deberá completarse en letra de molde o impresa)

SUBMITTED AS SEPARATE DOCUMENT

www.nortolpr.com | info@nortolpr.com | 787.420.0220
PO Box 366457, San Juan, PR 00936-6457

GOBIERNO DE PUERTO RICO
OFICINA DEL GOBERNADOR
JUNTA DE CALIDAD AMBIENTAL

Área de Calidad de Agua

OGPe Oficina de Gerencia de Permisos

Forma PGC-009

CERTIFICACION DE NO PRESENCIA DE ASBESTO EN ESTRUCTURAS A DEMOLERSE

(Deberá completarse en letra de molde o impresa)

PGC-_____
PARA USO OFICIAL

Yo, Sixto Suárez (Nombre), mayor de edad, soltero (Estado Civil), y vecino de Juana Díaz (Municipio), Puerto Rico

Dirección Postal P.O. Box 366457, San Juan P.R. 00936-6457 (Pueblo) (Zip Code)

Teléfonos: Residencial (787) 453-6127 Oficina (787) 420-0220 Fax (787) N/A

Certifico que:

1. La estructura calle Del Carmen (entre Paseo de Diego y Calle Arzuaga) localizada en Río Piedras, San Juan, P.R., la cual será objeto de una demolición se encuentra libre de asbesto.
2. La información antes indicada es cierta y correcta.
3. Afirmo y reconozco las consecuencias de incluir y someter información falsa en este documento.
4. Para que así conste, firmo la presente certificación en San Juan (Municipio) de Puerto Rico, hoy día 24 de junio de 2025.

Firma y Sello del Profesional o
Firma del Inspector de Asbesto registrado por la JCA (Original)

Nota: Ingenieros o Arquitectos deberán someter evidencia de que se encuentra al día en el pago de sus cuotas de colegiación e Inspectores de Asbesto deberán someter evidencia de la tarjeta de registro provista por la JCA.

Dirección Física: Ave. Ponce de León 1308, Carr. Estatal 8838, Sector el Cinco, Río Piedras, PR 00926
Dirección Postal: Apartado 11488, Santurce, PR 00910-1488
Tel. (787) 767-8181 • Fax (787) 767-1962

PUERTO RICO VERDE

TARJETA DE REGISTRO
PARA LA REMOCION DE ASBESTO

Esta tarjeta autoriza a:

Sixto Suárez Cintrón

Inspector

A trabajar en la remoción de asbesto en Puerto Rico. Esta persona **NO** es un empleado del DRNA.

ASB-1024-0484-SI

Número de Registro

22-oct-2025

Fecha de vencimiento

Firma Autorizada - Departamento Recursos Naturales y Ambientales

PR Asbestos Inspector Accreditation

LEAD-BASED PAINT LIMITED SURVEY

CALLE DEL CARMEN, RIO PIEDRAS

San Juan, Puerto Rico

Inspection Date: June 24, 2025

Prepared for: Integra Design Group

Prepared by: Nortol Environmental & Occupational Safety, Inc.

Inspector:

Sixto Suárez
Lead Inspector
LBP I.D. # LBPI-07325-095

nortol.
Environmental & Occupational Safety, Inc. Est. 2002

NORTOL *has performed this survey in a thorough and professional manner consistent with commonly accepted industry standards.*

This document is intended only for the use of the individual or entity for which it was prepared and may contain information that is privileged, confidential and exempt from disclosure under applicable law. Any dissemination, distribution or copying of this document is strictly prohibited.

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Attachment 4 – Representative Pictures\Photograph Log

Attachment 5 – Certification for Non-Presence LBP (PGC-010)

Attachment 6 – XRF Performance Characteristic Sheet

Acronyms

A/C	=	Air Conditioning
CFR	=	Code of Federal Regulations
CPSC	=	Consumer Product Safety Commission
EPA	=	Environmental Protection Agency
Ft2	=	square feet
HA	=	Homogeneous Area
HUD	=	Department of Housing and Urban Development
LBP	=	Lead-based Paint
LF	=	Linear Feet
mg/cm2	=	milligrams per square centimeter
NESHAP'S	=	National Emission Standards for Hazardous Air Pollutants
NIOSH	=	National Institute for Occupational Safety and Health
OSHA	=	Occupational Safety and Health Administration
PRDOH	=	Puerto Rico Department of Housing
PRDRNER	=	Puerto Rico Department of Natural and Environmental Resources
SOW	=	Scope of Work
XRF	=	X-Ray Fluorescent

I. INTRODUCTION

As part of the environmental due diligence, this limited survey is intended to assess the general presence, quantity, and location of LBP and lead-glazed ceramic components above allowable levels at *Calle Del Carmen Río Piedras* project located at *San Juan, P.R.*

The LBP limited survey, conforming to Housing Urban Development (HUD) Guidelines for the Evaluation and Control of Lead Based Paint in Housing, was conducted on June 24, 2025, by Mr. Sixto Suárez (Lead inspector number: LBPI-07325-095) from Nortol. Copy of Nortol's registration with the PRDNER as registered corporation is included in **Attachment 1**. Inspector's credential(s) is included in **Attachment 2.** Nortol's survey areas and report are limited to the details provided in Section II part D.

Based on the results of the survey, 54 XRF readings were performed using an XRF analyzer on identified and accessible surfaces in the exterior of the subject structure. LBP was not identified above the regulatory level of greater than or equal to 1.0 mg/cm^2 in the SOW.

There is concrete and metal structural components. The floors are painted or bare concrete. The survey SOW was limited only to components of Del Carmen Street at Río Piedras, San Juan PR.

II. LEAD BASED PAINT SURVEY REPORT

A. Lead Based Paint Findings:

LBP was not found in the project accessed components. Data from XRF analyzer testing is included in **Attachment 3**. **Attachment 4** includes Representative Pictures\Photograph Log of the structure. Certification for non-presence of lead-based paints or lead-glazes is provided in **Attachment 5.**

B. Survey Protocol and Sampling Procedure:

The survey was conducted following the *HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (as Revised, Chapter 7)*. The technique used for assessing the painted components was the XRF instrument. The following guidelines were used to perform LBP testing:

1. Achieve inventory of painted surfaces.
2. Select areas to be assessed.
3. Perform XRF testing.
4. Review and evaluate the data.
5. Report findings

The XRF instrument was set at Standard Paint Mode showing reading "Positive" or "Negative" with a 95% confident reading. The result is reported in mg/cm^2. **Attachment 6** includes the XRF Performance Characteristic Sheet (PCS) of the analyzer.

The **letters A, B, C**, and **D** used in the survey refers to:

A ⇒ Main entrance side orientation (to street)
B ⇒ Left side orientation
C ⇒ Rear side orientation
D ⇒ Right side orientation

C. Lead Based Paint Background and Regulatory Review:

Overexposure to lead is one of the most common situations found in industry. It is also a major potential public health risk. Lead poisoning is the leading environmentally induced illness in children. At greatest risk are children under the age of six because they are undergoing rapid neurological and physical development. In general population, lead may be present at hazardous concentrations in food, water, and air. Sources include LBP, urban soil, dust, and drinking water.

Lead is commonly added to industrial paints because of its characteristic to resist corrosion. Industries with particularly high potential exposures include construction work involving welding, cutting, brazing, blasting, etc., on lead paint surfaces; most smelter operations either as a trace contaminant or as a major product; secondary lead smelters where lead is recovered from batteries; radiator repair shops; and firing ranges. Oral ingestion may represent a major route of exposure in contaminated workplaces. Once in the blood, lead is distributed primarily among three routes - blood, soft tissue (kidney, bone marrow, liver, and brain) and mineralizing tissue (bones and teeth).

Hazard of lead in paint has been defined by the Department of Housing and Urban Development as 1.0 mg/cm^2 as measured by an XRF instrument, or Atomic Absorption Spectroscopy (AAS); or 0.5% by weight (or 5,000 ppm) as measured by AAS, or Inductive Coupled Plasma (ICP). The same level was adopted by EPA regulations published in 1992, under Title X.

Although OSHA regulations for occupational lead exposure have been in effect since 1971 for the construction and general industries, the agency recognized the need to provide better protection and revised the regulations for general industry in 1978. The 1978 lead standard, however, excluded the construction industry from coverage because of insufficient information regarding lead use in construction.

In 1990, NIOSH set a national goal to eliminate worker exposures resulting in blood lead concentrations greater than 25 micrograms per deciliter (25 µg/dl) of whole blood. Consequently, OSHA began developing a proposal for a comprehensive standard regulating occupational exposure to lead in construction. In October 1992, the Congress passed Section 1031 of Title X of the Housing and Community Development Act of 1992 (P. L. 102-550) requiring OSHA to issue an interim final lead standard for the construction industry, effective until OSHA issues a final standard. The interim final rule, published on May 4, 1993, amends the OSHA standards for occupational health and environmental controls in Subpart D of Title 29 CFR 1926 by adding a new section 1926.62, containing employee protection requirements for construction workers exposed to lead.

On July 1998, the PRDNER - former PR Environmental Quality Board regulations regarding to LBP was created to issue activity permits, accredit institutions, and certificate persons involved in LBP activities in Puerto Rico. Local regulations require all lead to be managed as a special waste. On July 2019 this regulation was replaced by the new *Reglamento para el Manejo Adecuado de Actividades de Pintura con Base de Plomo*. To obtain a demolition permit in Puerto Rico is necessary to include a certification (OGP-PGC-010 or equivalent) stating that there is no LBP in the project.

D. Survey Areas – Extent of Survey Coverage:

The survey included a detailed structure inspection providing a general sense of the overall location, type, quantity, and condition of LBP and LBP ceramic components. The LBP survey was performed to ready accessible components and surfaces. If any suspect coated surface or ceramic components, that could contain lead, are encountered underneath current installed tiles or other construction material during demolition and/or renovation activities, which differ from materials tested during the LBP survey, these should be assumed to be Lead containing until testing/analysis confirmed otherwise. The survey was unobtrusive as samples were not taken where doing so would have resulted in objectionable damage to surfaces. Therefore, the survey did not include destructive, intrusive and/or exploratory testing.

Areas Not Included in Survey and Service Constraints: All professional opinions presented in this report are based on information made available either by review of data provided by others or data gathered by Nortol personnel. Nortol affirms that data gathered and presented by Nortol in this report was collected in an appropriate manner in accordance with accepted methods and practices. Any energized utilities/services, including electricity, water and heat were assumed to be active. Materials associated with these items were determined to not be safely accessible and were not sampled. The survey did not include access or inspection of confined spaces or

subsurface/underground areas including piping, conduits, building footings and soils (surficial or otherwise).

III. CONCLUSION

LBP limited survey was conducted for the project identified with the header ID. LBP or lead-glaze was not identified above the regulatory level of greater than or equal to 1.0 mg/cm^2 at the subject structure. In addition, lead containing ceramic components were not identified to contain lead above the regulatory level.

Data from XRF analyzer testing results is included in **Attachment 3**. **Attachment 4** includes Representative Pictures\Photograph Log of the structure. Certification for non-presence of lead-based paints or lead-glazes is provided in **Attachment 5.**

Any conditions or materials that could not be visually identified or were out-of-the SOW, were not inspected and may differ from those conditions or materials noted. It was not within the scope of the activity to remove surface materials to investigate portions of the structure or materials that may lay beneath the surface. Nortol's selection of sample locations and frequency of sampling was based on Nortol's observations and the assumption that similar materials in the same area are homogeneous in content.

The report is designed to aid the building owner, architect, construction manager, general contractors, and potential asbestos or lead abatement contractors in locating LBP or lead-glaze. Under no circumstances is the report to be utilized solely as a bidding document or as a project specification document.

Attachment 1

Company Credentials

nortol.
Environmental & Occupational Safety, Inc. Est. 2002

GOBIERNO DE PUERTO RICO

Departamento de Recursos Naturales y Ambientales

Este certificado es otorgado a:

Nortol Environmental & Occupational Safety

Por haber cumplido con los requisitos establecidos en el Capítulo VI, Regla 127 del Reglamento para el Manejo Adecuado de Actividades de Pintura con Base de Plomo. Se le otorga esta certificación como **Firma** para llevar a cabo actividades relacionadas a Mitigación de Pintura con base de plomo en la jurisdicción de Puerto Rico.

Número de Certificado

LBPF-04425-013

Fecha de emisión: Marzo 5, 2025

Fecha de Expiración: Marzo 4, 2026

DRNA

Firma Autorizada
Departamento de Recursos Naturales
y Ambientales

LEAD-SAFE
EPA
CERTIFIED FIRM

NAT-F121771-3

www.nortolpr.com
info@nortolpr.com | 787.420.0220 | 787.640-8228
PO Box 366457, San Juan, PR 00936-6457

20 ANNIVERSARY
nortol.
Environmental & Occupational Safety Est. 2002

Attachment 2
Inspector's Credentials

SIXTO SUAREZ

Puerto Rico

Lead-based Paint Inspector

www.nortolpr.com | info@nortolpr.com | 787.420.0220
PO Box 366457, San Juan, PR 00936-6457

Attachment 3

LBP XRF Tabulated Readings

Calle del Carmen en Rio Piedras - XRF SHEET

Company	**Heuresis Corp.**
Model	PB00i
Type	XRF Lead Paint Analyzer
Serial Num.	2279
App Version	PB00i-4.1-11

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
-	1	1.2	mg/cm2	Positive	1	6/24/2025	10:04:51	S. SUAREZ	-	-	Calibration	-	-	-	-	-	-
-	2	1.2	mg/cm2	Positive	1	6/24/2025	10:05:10	S. SUAREZ	-	-	Calibration	-	-	-	-	-	-
-	3	1.2	mg/cm2	Positive	1	6/24/2025	10:05:27	S. SUAREZ	-	-	Calibration	-	-	-	-	-	-
Calle del Carmen en Rio Piedras	4	0	mg/cm2	Negative	1	6/24/2025	10:08:32	S. SUAREZ	21	Exterior	Del Carmen Street	Post	Metal	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	5	0	mg/cm2	Negative	1	6/24/2025	10:08:48	S. SUAREZ	21	Exterior	Del Carmen Street	Post	Metal	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	6	0	mg/cm2	Negative	1	6/24/2025	10:09:05	S. SUAREZ	21	Exterior	Del Carmen Street	Post	Metal	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	7	0	mg/cm2	Negative	1	6/24/2025	10:09:35	S. SUAREZ	21	Exterior	Del Carmen Street	Post	Metal	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	8	0.1	mg/cm2	Negative	1	6/24/2025	10:09:44	S. SUAREZ	21	Exterior	Del Carmen Street	Post	Metal	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	9	0	mg/cm2	Negative	1	6/24/2025	10:10:03	S. SUAREZ	21	Exterior	Del Carmen Street	Post	Metal	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	10	0	mg/cm2	Negative	1	6/24/2025	10:10:20	S. SUAREZ	21	Exterior	Del Carmen Street	Post	Metal	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	11	0	mg/cm2	Negative	1	6/24/2025	10:10:30	S. SUAREZ	21	Exterior	Del Carmen Street	Post	Metal	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	12	0.1	mg/cm2	Negative	1	6/24/2025	10:10:46	S. SUAREZ	21	Exterior	Del Carmen Street	Post	Metal	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	13	0	mg/cm2	Negative	1	6/24/2025	10:11:00	S. SUAREZ	21	Exterior	Del Carmen Street	Post	Metal	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	14	0.1	mg/cm2	Negative	1	6/24/2025	10:11:09	S. SUAREZ	21	Exterior	Del Carmen Street	Post	Metal	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	15	0	mg/cm2	Negative	1	6/24/2025	10:11:18	S. SUAREZ	21	Exterior	Del Carmen Street	Post	Metal	-	Blue	Deteriorated	-
Calle del Carmen en Rio Piedras	16	0.2	mg/cm2	Negative	1	6/24/2025	10:11:55	S. SUAREZ	21	Exterior	Del Carmen Street	Post	Metal	-	Blue	Deteriorated	-
Calle del Carmen en Rio Piedras	17	0.1	mg/cm2	Negative	1	6/24/2025	10:12:13	S. SUAREZ	21	Exterior	Del Carmen Street	Post	Metal	-	Blue	Deteriorated	-
Calle del Carmen en Rio Piedras	18	0	mg/cm2	Negative	1	6/24/2025	10:12:23	S. SUAREZ	21	Exterior	Del Carmen Street	Base Post	Concrete	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	19	0.1	mg/cm2	Negative	1	6/24/2025	10:13:06	S. SUAREZ	21	Exterior	Del Carmen Street	Base Post	Concrete	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	20	0.3	mg/cm2	Negative	1	6/24/2025	10:13:46	S. SUAREZ	21	Exterior	Del Carmen Street	Base Post	Concrete	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	21	0	mg/cm2	Negative	1	6/24/2025	10:14:05	S. SUAREZ	21	Exterior	Del Carmen Street	Base Post	Concrete	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	22	0	mg/cm2	Negative	1	6/24/2025	10:14:33	S. SUAREZ	21	Exterior	Del Carmen Street	Base Post	Concrete	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	23	0.1	mg/cm2	Negative	1	6/24/2025	10:14:43	S. SUAREZ	21	Exterior	Del Carmen Street	Base Post	Concrete	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	24	0.1	mg/cm2	Negative	1	6/24/2025	10:14:53	S. SUAREZ	21	Exterior	Del Carmen Street	Base Post	Concrete	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	25	0.1	mg/cm2	Negative	1	6/24/2025	10:15:10	S. SUAREZ	21	Exterior	Del Carmen Street	Base Post	Concrete	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	26	0	mg/cm2	Negative	1	6/24/2025	10:15:33	S. SUAREZ	21	Exterior	Del Carmen Street	Base Post	Concrete	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	27	0.1	mg/cm2	Negative	1	6/24/2025	10:16:01	S. SUAREZ	21	Exterior	Del Carmen Street	Base Post	Concrete	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	28	0.2	mg/cm2	Negative	1	6/24/2025	10:16:10	S. SUAREZ	21	Exterior	Del Carmen Street	Base Post	Concrete	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	29	0.1	mg/cm2	Negative	1	6/24/2025	10:16:26	S. SUAREZ	21	Exterior	Del Carmen Street	Base Post	Concrete	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	30	0.3	mg/cm2	Negative	1	6/24/2025	10:16:36	S. SUAREZ	21	Exterior	Del Carmen Street	Base Post	Concrete	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	31	0.3	mg/cm2	Negative	1	6/24/2025	10:17:03	S. SUAREZ	21	Exterior	Del Carmen Street	Bench	Concrete	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	32	0	mg/cm2	Negative	1	6/24/2025	10:17:17	S. SUAREZ	21	Exterior	Del Carmen Street	Bench	Concrete	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	33	0.1	mg/cm2	Negative	1	6/24/2025	10:17:30	S. SUAREZ	21	Exterior	Del Carmen Street	Bench	Concrete	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	34	0.2	mg/cm2	Negative	1	6/24/2025	10:17:44	S. SUAREZ	21	Exterior	Del Carmen Street	Bench	Concrete	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	35	0	mg/cm2	Negative	1	6/24/2025	10:17:58	S. SUAREZ	21	Exterior	Del Carmen Street	Bench	Concrete	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	36	0	mg/cm2	Negative	1	6/24/2025	10:18:10	S. SUAREZ	21	Exterior	Del Carmen Street	Bench	Concrete	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	37	0	mg/cm2	Negative	1	6/24/2025	10:18:34	S. SUAREZ	21	Exterior	Del Carmen Street	Bench	Concrete	-	Gray	Deteriorated	-
Calle del Carmen en Rio Piedras	38	0.1	mg/cm2	Negative	1	6/24/2025	10:19:41	S. SUAREZ	21	Exterior	Del Carmen Street	Floor	Concrete	-	Unpainted	Deteriorated	-
Calle del Carmen en Rio Piedras	39	0.1	mg/cm2	Negative	1	6/24/2025	10:20:00	S. SUAREZ	21	Exterior	Del Carmen Street	Floor	Concrete	-	Unpainted	Deteriorated	-
Calle del Carmen en Rio Piedras	40	0.2	mg/cm2	Negative	1	6/24/2025	10:20:33	S. SUAREZ	21	Exterior	Del Carmen Street	Floor	Concrete	-	Unpainted	Deteriorated	-
Calle del Carmen en Rio Piedras	41	0.1	mg/cm2	Negative	1	6/24/2025	10:20:58	S. SUAREZ	21	Exterior	Del Carmen Street	Floor	Concrete	-	Unpainted	Deteriorated	-
Calle del Carmen en Rio Piedras	42	0.1	mg/cm2	Negative	1	6/24/2025	10:21:30	S. SUAREZ	21	Exterior	Del Carmen Street	Bench	Concrete	-	Gray	Deteriorated	RETEST
Calle del Carmen en Rio Piedras	43	0.2	mg/cm2	Negative	1	6/24/2025	10:21:42	S. SUAREZ	21	Exterior	Del Carmen Street	Bench	Concrete	-	Gray	Deteriorated	RETEST
Calle del Carmen en Rio Piedras	44	0.2	mg/cm2	Negative	1	6/24/2025	10:21:55	S. SUAREZ	21	Exterior	Del Carmen Street	Bench	Concrete	-	Gray	Deteriorated	RETEST
Calle del Carmen en Rio Piedras	45	0.1	mg/cm2	Negative	1	6/24/2025	10:23:28	S. SUAREZ	21	Exterior	Del Carmen Street	Bench	Concrete	-	Gray	Deteriorated	RETEST
Calle del Carmen en Rio Piedras	46	0.1	mg/cm2	Negative	1	6/24/2025	10:23:50	S. SUAREZ	21	Exterior	Del Carmen Street	Bench	Concrete	-	Gray	Deteriorated	RETEST
Calle del Carmen en Rio Piedras	47	0	mg/cm2	Negative	1	6/24/2025	10:24:11	S. SUAREZ	21	Exterior	Del Carmen Street	Bench	Concrete	-	Gray	Deteriorated	RETEST
Calle del Carmen en Rio Piedras	48	0.1	mg/cm2	Negative	1	6/24/2025	10:24:21	S. SUAREZ	21	Exterior	Del Carmen Street	Floor	Concrete	-	Unpainted	Deteriorated	RETEST
Calle del Carmen en Rio Piedras	49	0.1	mg/cm2	Negative	1	6/24/2025	10:24:31	S. SUAREZ	21	Exterior	Del Carmen Street	Floor	Concrete	-	Unpainted	Deteriorated	RETEST
Calle del Carmen en Rio Piedras	50	0	mg/cm2	Negative	1	6/24/2025	10:24:43	S. SUAREZ	21	Exterior	Del Carmen Street	Floor	Concrete	-	Unpainted	Deteriorated	RETEST
Calle del Carmen en Rio Piedras	51	0.1	mg/cm2	Negative	1	6/24/2025	10:24:53	S. SUAREZ	21	Exterior	Del Carmen Street	Floor	Concrete	-	Unpainted	Deteriorated	RETEST

Calle del Carmen en Rio Piedras - XRF SHEET

Company	**Heuresis Corp.**
Model	PB00i
Type	XRF Lead Paint Analyzer
Serial Num.	2279
App Version	PB00i-4.1-11

Job Id	Reading #	Concentration	Units	Result	Level	Date	Time	Inspector	Job	Room	Structure	Component	Substrate	Wall	Color	Condition	Approx. Qty.
-	52	1.2	mg/cm2	Positive	1	6/24/2025	10:25:09	S. SUAREZ	-	-	Calibration	-	-	-	-	-	-
-	53	1.2	mg/cm2	Positive	1	6/24/2025	10:25:36	S. SUAREZ	-	-	Calibration	-	-	-	-	-	-
-	54	1.2	mg/cm2	Positive	1	6/24/2025	10:26:21	S. SUAREZ	-	-	Calibration	-	-	-	-	-	-

Attachment 4

Representative Pictures\Photograph Log

Sixto Suárez
NORTOL. Environmental & Occupational Safety, Inc.

CALLE DEL CARMEN EN RIO PIEDRAS - **LBP SURVEY PHOTO LOG**

Built circa: Not available at the moment of the inspection

Tuesday, June 24, 2025

Prepared For Integra Design Group

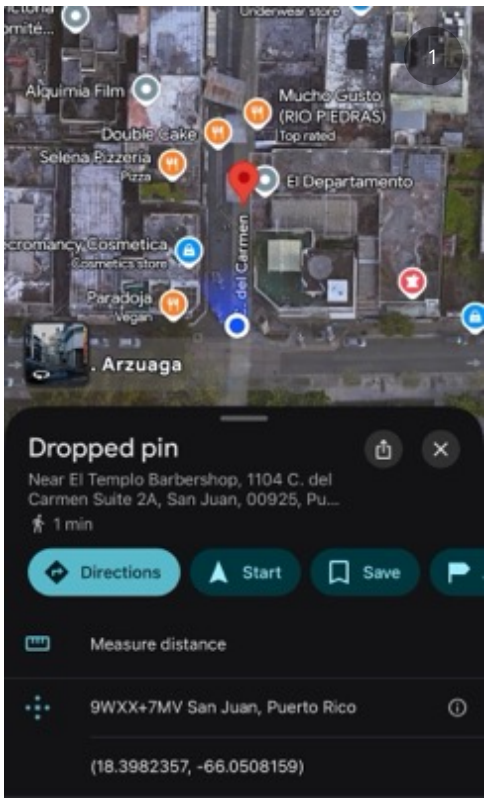
Calle del Carmen, Rio Piedras

FRONT VIEW:

(18.3982357, -66.0508159)

LOCATION:

(18.3982357, -66.0508159)

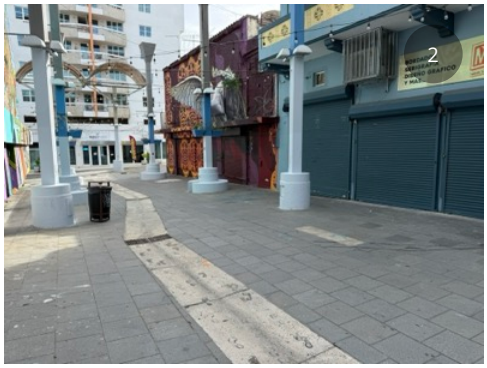


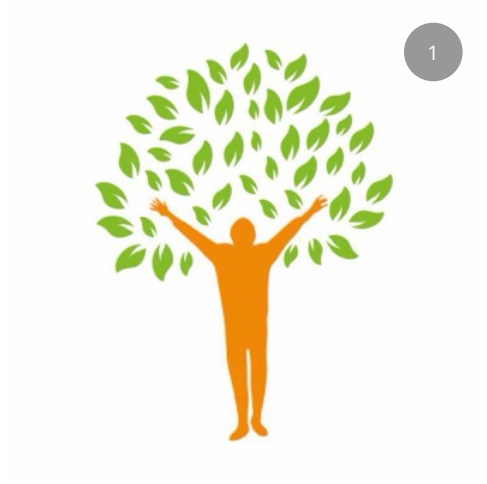
SCOPE OF WORK:

Full Inspection A/L

Job Id: LBP/ASB-2025-394

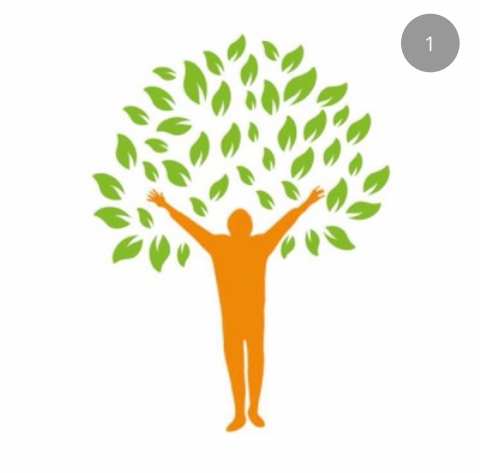
EXTERIOR GENERAL VIEWS:





IS THERE ANY AREA WITHOUT ACCESS?

All areas were accesible.



1

IS THERE ANY VISIBLE INDICATION OF MOLD?

No, mold was not found visible at the moment of the inspection.

1

ARE THERE SIGNS OF POOR HOUSEKEEPING ON SITE? (MOUNDS OF RUBBLE, GARBAGE, STORM DEBRIS, SOLID WASTE, PETROLEUM PRODUCTS, PAINT, PESTICIDES, CLEANING FLUIDS, VEHICLE BATTERIES, ABANDONED VEHICLES, PITS, POOLS, PONDS OF HAZARDOUS SUBSTANCES, ETC.)

Not found at the moment of the inspection.

1

ARE ANY ADDITIONAL SITE HAZARDS OBSERVED?

Not found at the moment of the inspection.

1

LBP DETECTED?

No LBP detected at the moment of the inspection.

Attachment 5
Certification for Non-Presence LBP

GOBIERNO DE PUERTO RICO
OFICINA DEL GOBERNADOR
JUNTA DE CALIDAD AMBIENTAL

Área de Calidad de Agua

OGPe
Oficina de Gerencia de Permisos

Forma PGC-010

CERTIFICACION DE NO PRESENCIA DE PINTURA CON BASE DE PLOMO EN ESTRUCTURAS A DEMOLERSE

(Deberá completarse en letra de molde o impresa)

PGC-_____
PARA USO OFICIAL

SUBMITTED AS SEPARATE DOCUMENT

Attachment 6

XRF Performance Characteristic Sheet

Performance Characteristic Sheet

EFFECTIVE DATE: **September 1, 2022**

MANUFACTURER AND MODEL:

Make: ***Heuresis***
Models: ***Model Pb200i, Pb200e***
Source: ***^{57}Co, 5 mCi (nominal – new source)***

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Action Level 1.0 mg/cm^2

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm^2 (inclusive)

SUBSTRATE CORRECTION:

Not applicable

INCONCLUSIVE RANGE OR THRESHOLD:

ACTION LEVEL MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm^2)
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	1.0 1.0 1.0 1.0 1.0 1.0

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated using test results on building components in the HUD archive. Testing was conducted on 146 test samples in November 2015, with two separate instruments running software version 2.1-2 in Action Level test mode. The actual source strength of each instrument on the day of testing was approximately 2.0 mCi; source ages were approximately one year.

OPERATING PARAMETERS

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm^2 in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm^2 film).

If the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Chapter 7 of the HUD Guidelines provides guidance on correcting XRF results for substrate bias. Supplemental guidance for using the paint film nearest 1.0 mg/cm^2 for substrate correction is provided:

XRF results are corrected for substrate bias by subtracting from each XRF result a correction value determined separately in each house for single-family housing or in each development for multifamily housing, for each substrate. The correction value is an average of XRF readings taken over the NIST SRM paint film nearest to 1.0 mg/cm^2 at test locations that have been scraped bare of their paint covering. Compute the correction values as follows:

> Using the same XRF instrument, take three readings on a bare substrate area covered with the NIST SRM paint film nearest 1 mg/cm^2. Repeat this procedure by taking three more readings on a second bare substrate area of the same substrate covered with the NIST SRM.
>
> Compute the correction value for each substrate type where XRF readings indicate substrate correction is needed by computing the average of all six readings as shown below.
>
> <u>For each substrate type</u> (the 1.02 mg/cm^2 NIST SRM is shown in this example; use the actual lead loading of the NIST SRM used for substrate correction):
>
> Correction value = (1st + 2nd + 3rd + 4th + 5th + 6th *Reading*)/6 - 1.02 mg/cm^2
>
> Repeat this procedure for each substrate requiring substrate correction in the house or housing development.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing.

Conduct XRF re-testing at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below. Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family and multi-family housing, a result is defined as a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and the retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF readings.

Compute the average of all ten re-test XRF readings.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

In the Action Level paint test mode, the instrument takes the longest time to complete readings close to the Federal standard of 1.0 mg/cm^2. The table below shows the mean and standard deviation of actual reading times by reading level for paint samples during the November 2015 archive testing. The tested instruments reported readings to one decimal place. No significant differences in reading times by substrate were observed. These times apply only to instruments with the same source strength as those tested (2.0 mCi). Instruments with stronger sources will have shorter reading times and those with weaker sources, longer reading times, than those in the table.

Mean and Standard Deviation of Reading Times in Action Level Mode by Reading Level		
Reading (mg/cm^2)	**Mean Reading Time (seconds)**	**Standard Deviation (seconds)**
< 0.7	3.48	0.47
0.7	7.29	1.92
0.8	13.95	1.78
0.9 – 1.2	15.25	0.66
1.3 – 1.4	6.08	2.50
≥ 1.5	3.32	0.05

CLASSIFICATION OF RESULTS:

XRF results are classified as **positive** if they are **greater than or equal** to the stated threshold for the instrument (1.0 mg/cm^2), and *negative* if they are *less than* the threshold.

DOCUMENTATION:

A report titled *Methodology for XRF Performance Characteristic Sheets* (EPA 747-R-95-008) provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. The report may be downloaded at http://www2.epa.gov/lead/methodology-xrf-performance-characteristic-sheets-epa-747-r-95-008-september-1997.

This XRF Performance Characteristic Sheet (PCS) was developed by QuanTech, Inc., under a contract with the XRF manufacturer.

www.nortolpr.com | info@nortolpr.com | 787.420.0220
PO Box 366457, San Juan, PR 00936-6457

GOBIERNO DE PUERTO RICO
OFICINA DEL GOBERNADOR
JUNTA DE CALIDAD AMBIENTAL

Área de Calidad de Agua

Forma PGC-010

CERTIFICACION DE NO PRESENCIA DE PINTURA CON BASE DE PLOMO EN ESTRUCTURAS A DEMOLERSE

(Deberá completarse en letra de molde o impresa)

NUM. PERMISO: _____

Yo, Sixto Suárez (Inspector o Evaluador de Riesgos), mayor de edad, soltero (Estado Civil), y vecino de Juana Díaz P.R. (Municipio)

Dirección Postal PO Box 366457 San Juan, P.R (Pueblo) 00936- (Zip Code)

Teléfonos Residencial: (787) 453-6127 Oficina: (787) 420- 0220

Certifico que:

1. Estoy certificado por la Junta de Calidad Ambiental como (**X** Inspector / __ Evaluador de Riesgos) con Número de Certificación LBPI-07325-095, la cual se encuentra vigente.
2. La estructura calle Del Carmen (entre Paseo de Diego y Calle Arzuaga) localizada en Río Piedras, San Juan, P.R., la cual será objeto de una demolición se encuentra libre de pintura con base de plomo.
3. La información antes indicada es cierta y correcta.
4. Afirmo y reconozco las consecuencias de incluir y someter información falsa en este documento.
5. Para que así conste, firmo la presente certificación en San juan (Municipio) de Puerto Rico, hoy día 24 de junio de 2025.

_____

Firma del Inspector o Evaluador de Riesgos (en original)

Nota : Deberá someter evidencia de la tarjeta o certificado provista por la JCA.

Dirección Física: Ave. Ponce de León 1308, Carr. Estatal 8838, Sector el Cinco, Río Piedras, PR 00926
Dirección Postal: Apartado 11488, Santurce, PR 00910-1488
Tel. (787) 767-8181 • Fax (787) 767-1962

Sixto Suárez Cintrón

Puerto Rico

Lead-based Paint Inspector Accreditations

LEAD-SAFE

EPA

CERTIFIED FIRM

NAT-F121771-3

GOBIERNO DE PUERTO RICO

Departamento de Recursos Naturales y Ambientales

Este certificado es otorgado a:

Nortol Environmental & Occupational Safety

Por haber cumplido con los requisitos establecidos en el Capítulo VI, Regla 127 del Reglamento para el Manejo Adecuado de Actividades de Pintura con Base de Plomo. Se le otorga esta certificación como **Firma** para llevar a cabo actividades relacionadas a Mitigación de Pintura con base de plomo en la jurisdicción de Puerto Rico.

Número de Certificado

LBPF-04425-013

Fecha de emisión: Marzo 5, 2025

Fecha de Expiración: Marzo 4, 2026

DRNA

Firma Autorizada
Departamento de Recursos Naturales
y Ambientales

EXHIBIT | 07

Endangered Species

Paseo de Diego

(PR-CRP-000956)

Integra Design Group, PSC
576 Avenida Arterial B, Suite 102 — Hato Rey, Puerto Rico
PO Box 195488 San Juan, PR 00919
787-767-2111
www.integrapr.com

Transmittal Letter

October 3, 2024

Based on the information provided, we determined the project proposed qualifies for the blanket clearance letter. Nevertheless, if the project is modified this office should be contacted concerning the need for the initiation of consultation under section 7 of Endangered Species Act of 1973.

Reviewer DAMARIS ROMAN RUIZ Digitally signed by DAMARIS ROMAN RUIZ Date: 2024.10.17 14:18:42 -04'00'

LOURDES MENA Digitally signed by LOURDES MENA Date: 2024.10.31 16:03:47 -04'00'

Caribbean ES Field Supervisor

Caribbean Ecological Services Field Office
U.S. Fish and Wildlife Service
P.O. Box 491
Boquerón, Puerto Rico 00622
Email: caribbean@es@fws.gov

RE: USFWS Endangered Species Act Certifications – September 2024

We are submitting the following Self-Certifications for projects under the CDBG-DR Re-Grow PR Urban-Rural Agriculture Program and City Revitalization Program. Attached are included the Self-Certifications that certify that the projects are in compliance and are not likely to adversely affect federally-listed species.

The following table includes the projects that are in compliance with the Blanket Clearance Letter for the Endangered Species act of 1973, as amended, and the Fish and Wildlife Coordination Act.

Project Number	Project Name
PR-CRP-000099	Edificio de Vivienda Graziani
PR-CRP-000101	Plaza Pública Juan Evangelista Rivera
PR-CRP-000956	Paseo de Diego St. Rehabilitation
PR-CRP-000968	Revitalization of Felisa Rincón de Gautier Public Plaza
PR-CRP-000986	Mejoras a la plaza del recreo José Francisco Náter
PR-CRP-001075	Maturi Park
PR-CRP-001183	Improvements to the Recreational Area of Trastalleres and Calle Luis Llorens
PR-RGRW-01228	Hacienda San Pedrito

For more information, please contact the Permits and Environmental Compliance Division at environmentcdbg@vivienda.pr.gov or at (787)274.2527 ext. 4320.

Sincerely,

Permits and Environmental Compliance Division
Disaster Recovery Office

Self-Certification

http://www.fws.gov/caribbean/ES/Index.html

Endangered Species Act Certification

The U.S. Fish and Wildlife Service, Caribbean Ecological Services Field Office developed a Blanket Clearance Letter in compliance with Endangered Species Act of 1973, as amended, and the Fish and Wildlife Coordination Act for federally funded projects.

The Service determined that projects in compliance with the following criteria are not likely to adversely affect federally-listed species.

The Puerto Rico Department of Housing (PRDOH) certifies that the following project**, Paseo de Diego St. Rehabilitation (PR-CRP-000956),** consisting of rehabilitation of existing Paseo Carmen Street and De Diego Street from Km 0.0 to km 0.7 from the frontage road of PR-27 Barbosa Ave. to Constitution Ave., and Del Carmen Street. This project includes rehabilitating pavements, widening and improving the sidewalks, rehabilitating the pedestrian area, and installing benches, trash containers, and fixed bicycle racks. Also, the signage system will be reconstructed and improved in the entire corridor, as well as lighting improvements. Besides, pruning activities and planting of trees and green areas will be performed located at De Diego St. at Río Piedras, San Juan, Puerto Rico (Project Begin: 18.399103, -66.052428, Project End: 18.398407, -66.043641; Project End on Del Carmen St.: 18.3680464,-66.050885) complies with:

Check	Project Criteria
☒	1. Street resurfacing.
☒	2. Construction of gutters and sidewalks along existing roads.
☐	3. Reconstruction or emergency repairs of existing buildings, facilities and homes.
☐	4. Rehabilitation of existing occupied single-family homes, and buildings; provided that equipment storage or staging areas are not located on vacant property harboring a wetland and/or forested vegetation and that the lighting associated to the new facilities is not visible directly or indirectly from a beach.
☐	5. Demolition of dilapidated single-family homes or buildings; provided that the demolition debris is disposed in certified receiving facilities; equipment storage or staging areas are not located on vacant property harboring a wetland and/or forested vegetation.

☐	6. Rebuilding of demolished single-family homes or buildings, provided that the new construction is within the existing footprint of the previous structure and/or within pre- existing grassed or paved areas, and that the lighting associated to the new facilities are not visible directly or indirectly from a beach.
☒	7. Activities within existing Right of Ways (ROWs) of roads, bridges and highways, when limited to actions that do not involve cutting native vegetation or mayor earth moving; and are not located within, or adjacent to, drainages, wetlands, or aquatic systems. These activities include the installation of potable water and sanitary pipelines.
☐	8. Improvements to existing recreational facilities, including the installation of roofs to existing basketball courts, provided that the lighting associated to the facilities are not visible directly or indirectly from the beach.
☒	9. Construction of electric underground systems in existing towns and communities, provided that the property is not a wetland area and the lighting associated to the facilities are not visible directly or indirectly from the beach.
☐	10. Construction of facilities on vacant properties covered with grasses in urban areas, provided that the lighting associated to the facilities are not visible directly or indirectly from the beach.
☐	11. Construction of houses, buildings or acquiring lands in urban areas covered by grass for relocation of low-income families and/or facilities that have been affected by weather conditions.

Sept. 27, 2024

Date

Ángel G. López-Guzmán
Deputy Director
Permits and Environmental Compliance Division

Office of Disaster Recovery
Address: P.O. Box 21365 San Juan, PR 00928
Telephone and Ext: 787-274-2527 ext. 4320
Email: environmentcdbg@vivienda.pr.gov

Endangered Species (USFWS)

Project Description: Paseo de Diego Street Rehabilitation (PR-CRP-000956)

PR-47, or better known as De Diego Street, part of this corridor, is a Tertiary Road property of the Puerto Rico Highway and Transportation Authority (PRHTA). The initial segment of 260 meters long is a "Paseo de Diego" and includes Del Carmen Street, which is a 60 meters long street that connects perpendicularly with the Paseo. Both segments are property of the Municipality of San Juan. The project it's located at Rio Piedras ward between the Juan Ponce de Leon Avenue and Barbosa Avenue and consist of 2 (two) municipality road, Paseo de Diego Street. The geographical Coordinates are:

- Project Begin Lat: 18.399103°, Long: -66.052428°.
- Project End Lat: 18.398407, Long: -66.043641°.

They are located in the urban area of Río Piedras, San Juan. The "Calle and Paseo de Diego Rehabilitation" project is approximately 1020 meters long (0.634 Mi.). The project begins at the intersection of Constitution Ave. and Paseo de Diego which is an area only for pedestrians and continues for the Km 0.00 of PR-47 "De Diego Street" and connects the Río Piedras and Santa Barbara neighborhoods. From the west side of Paseo de Diego, it has a nearby connection with connects Station of "Rio Piedras" and connects to the commercial area and "Plaza del Mercado de Río Piedras Rafael Hernández Marín". De Diego Street is a one-way road, and the entrance is at the intersection from Barbosa Avenue to Ferrocarril Street.

The project consists of the rehabilitation of existing Paseo de Diego, Del Carmen Street and De Diego Street from Km 0.0 to km 0.7 from the frontage road of PR-27 Barbosa Ave. to Constitution Ave., including as a design basis the Puerto Rico Complete Streets Plan & Design Guidelines to provide adequate access to vulnerable users (pedestrians and cyclists).

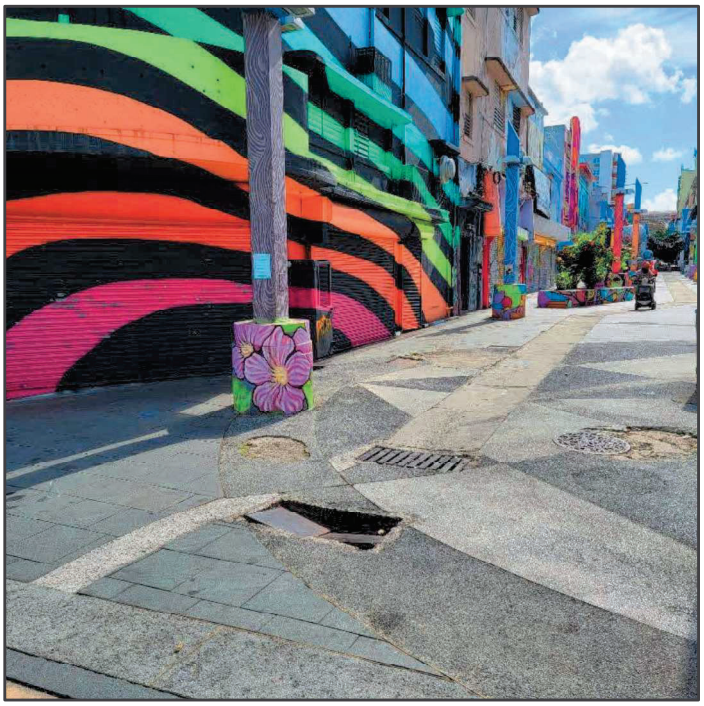
The project scope includes the following proposed improvements:

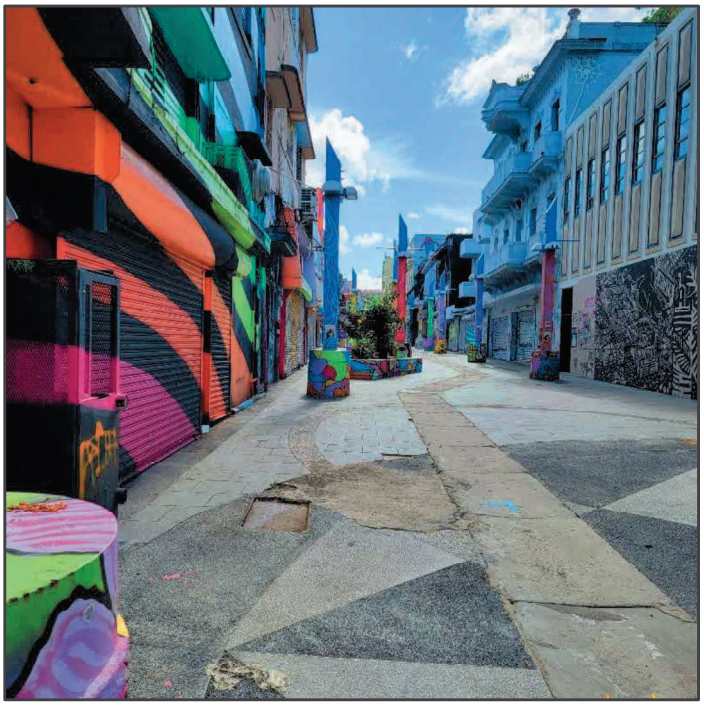
1. Rehabilitation of pavement and improvements to sidewalks. This includes:
    a. Pedestrian crossings to increase pedestrian safety.
    b. Speed tables to increase the safety of residents and tourists.
    c. Resurfacing of roads.
2. Widening of sidewalks. Sidewalks on cross streets will be equally impacted by the project scope to provide a similar environment to its surroundings.
3. Rehabilitation of the pedestrian area.
    a) Provide cleaning to all existing surfaces not to be replaced. Grease and sticky areas must be removed with cleaning products.
    b) Bases of signs on the pavement and/or poles and other obstacles will be removed, and impacted areas rehabilitated with a homogeneous finish.
    c) Sidewalks on cross streets will be equally impacted by the project scope to provide a similar environment to its surroundings.
4. Incidental removal of debris and disused utilities to attend abandoned works.
5. Urban furniture, to include benches, bus stops, bicycle racks and fixed trash containers.
    a) Installation of benches will take into account the aesthetics and durability.
    b) Installation of trash containers that cannot be removed. The aesthetics of the trash containers will be in harmony with the final design of the street.
    c) Provide fixed racks for bicycles. The aesthetics of the racks must be in harmony with the final design of the plaza.
6. Reconstruction and improvements to the signage system of the entire corridor.
7. Lighting improvements. The design and general improvements to the electrical system of the avenue will include:
    a) Installation of new LED luminaires in all areas of the avenue. Installation of poles as needed.

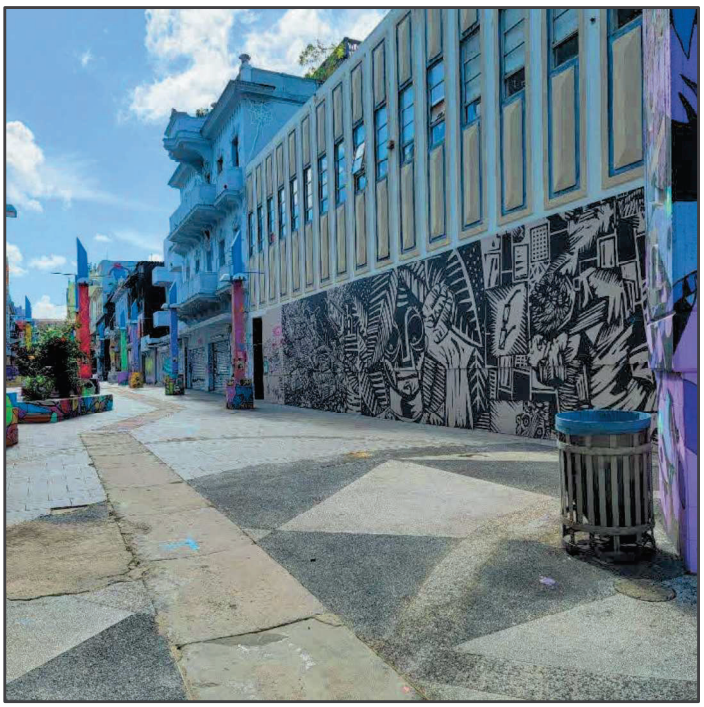
b) The removal and installation of poles that are currently in poor condition and do not belong to the Municipality of San Juan will be contemplated on the sidewalks.
c) New luminaires must be Vandal Resistant.

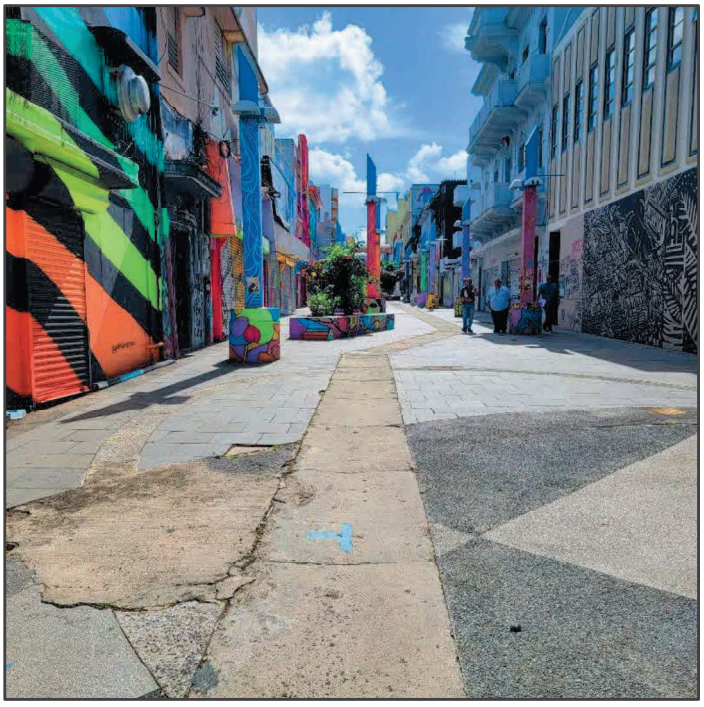
8. Pruning and planting of trees and green areas. Reforestation of green areas that were affected by Hurricane Maria. The reforestation must be in harmony with the final design of the street.

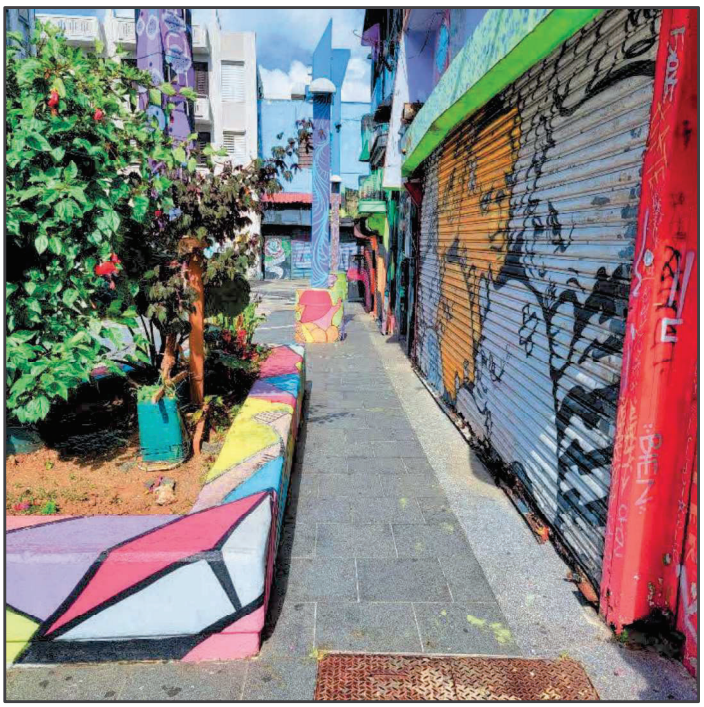
Photo Log:

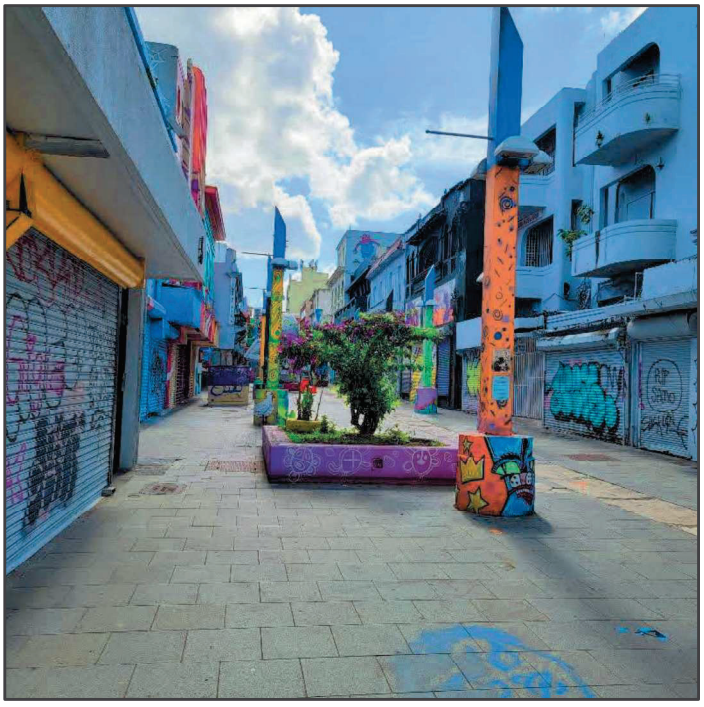


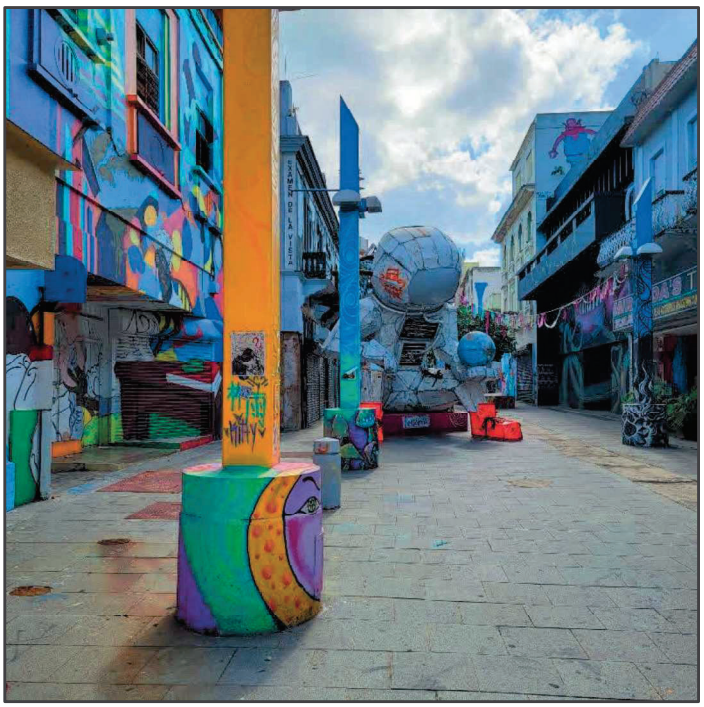


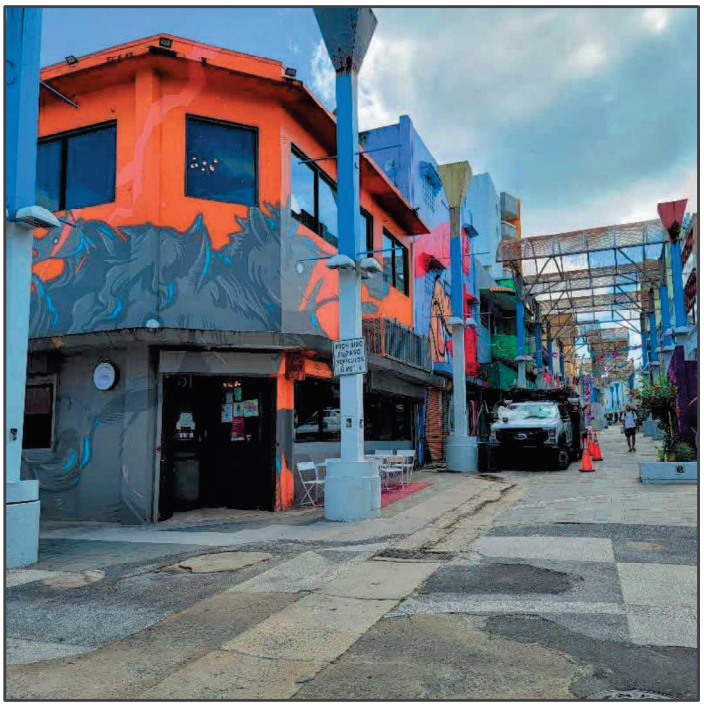


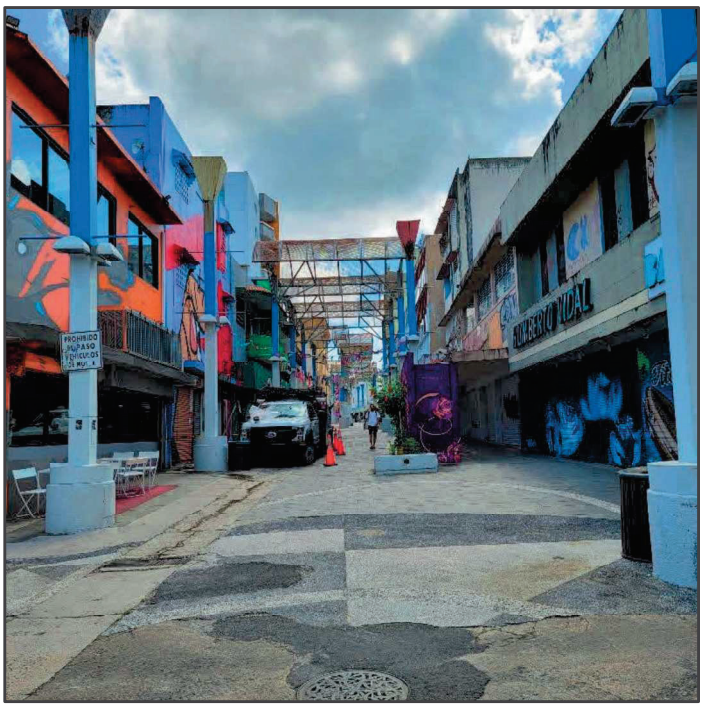











PROHIBIDO
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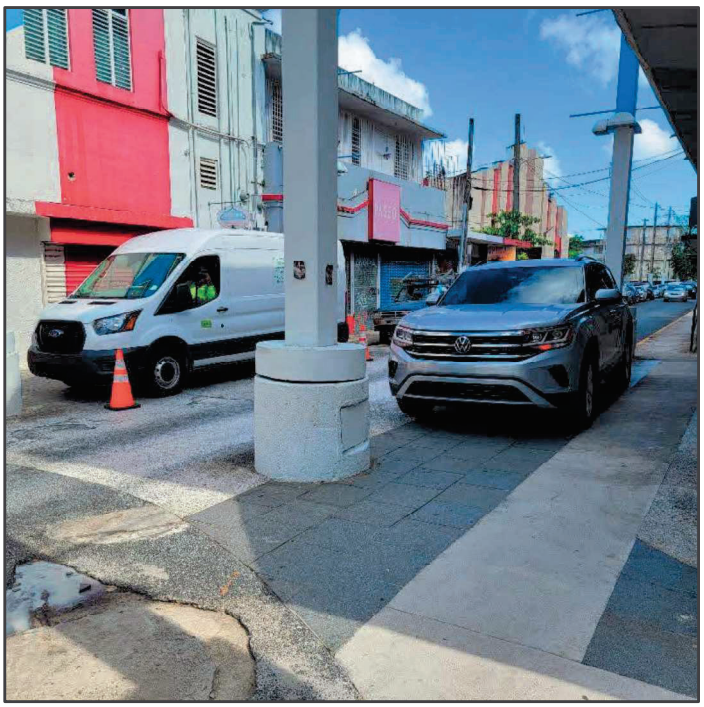

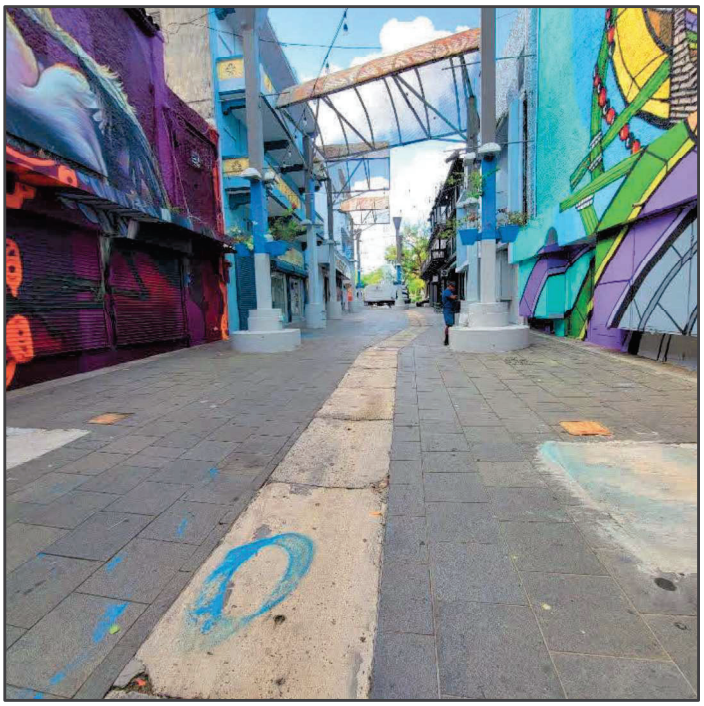

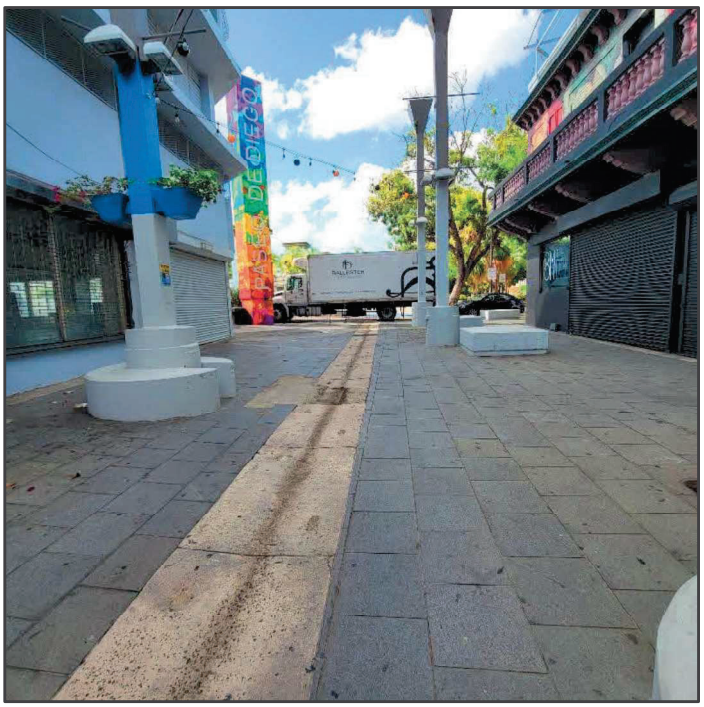

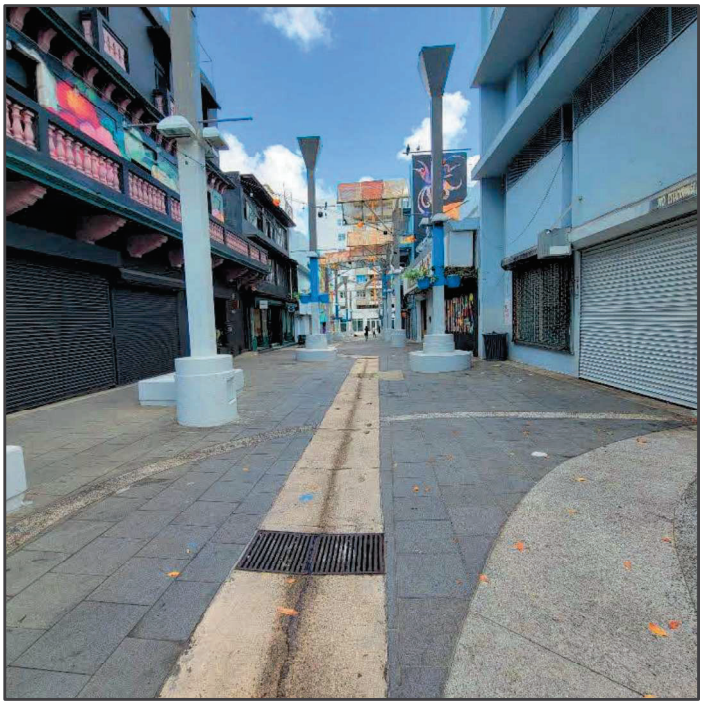

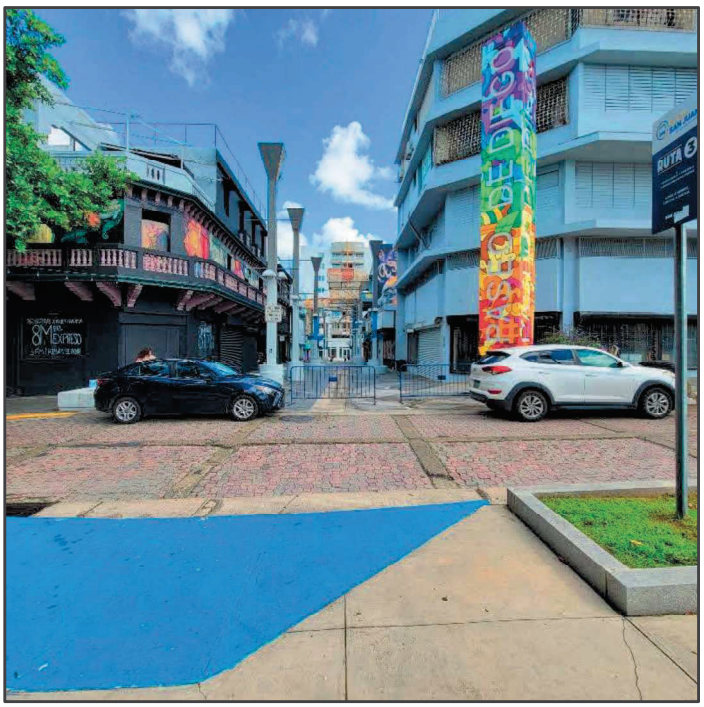
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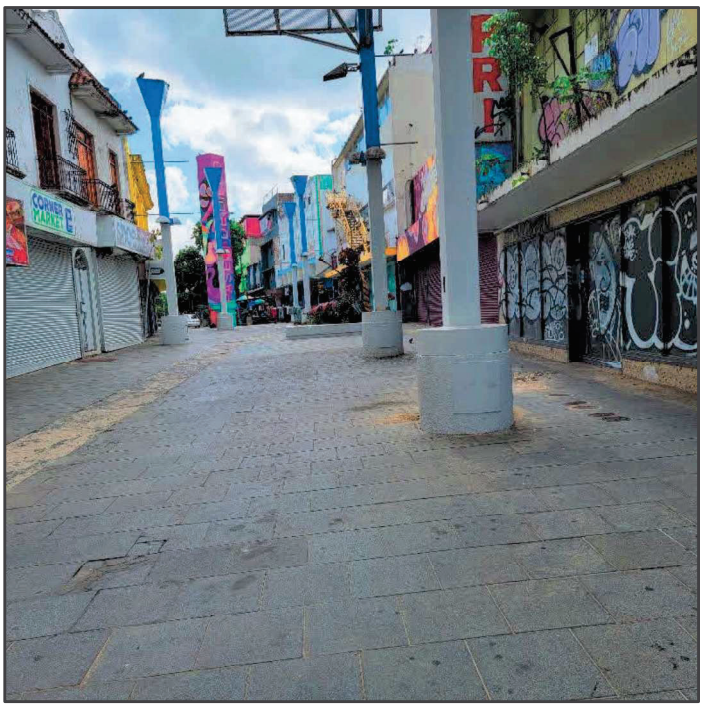
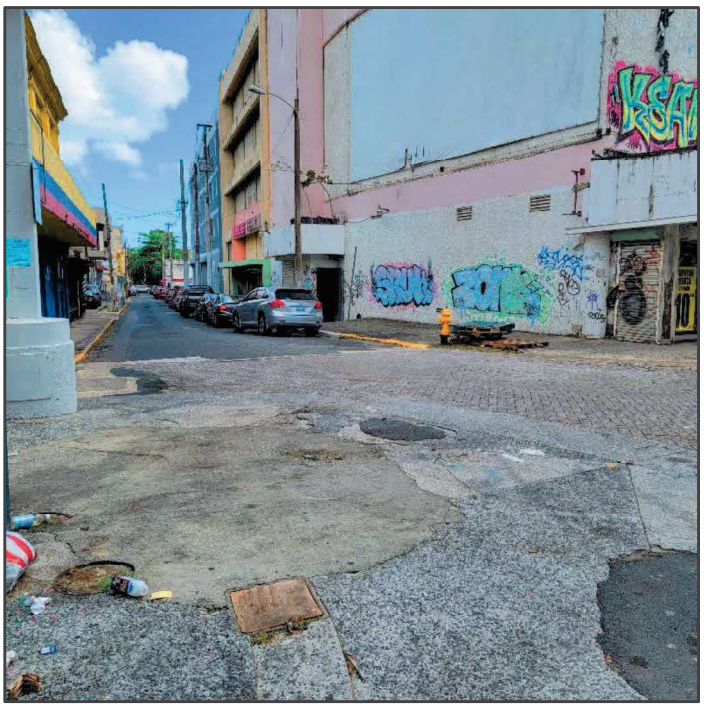
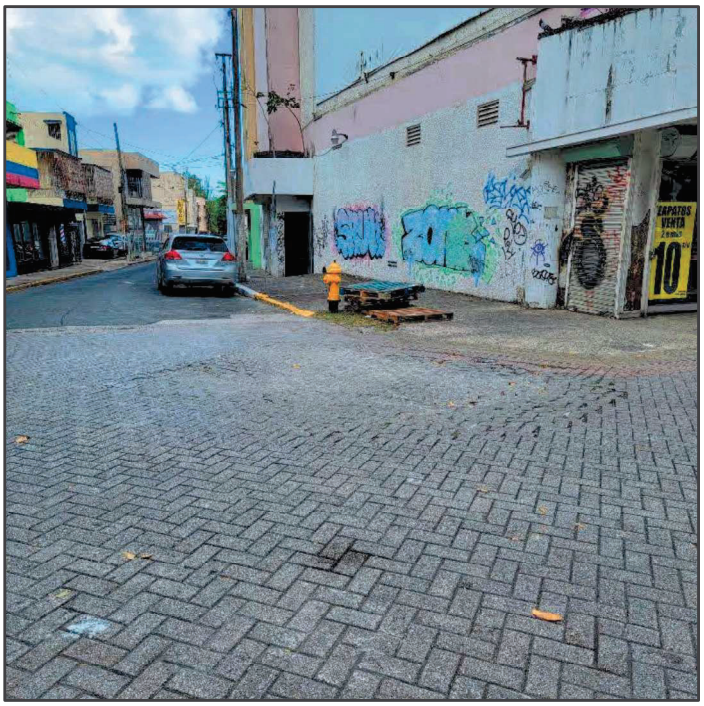
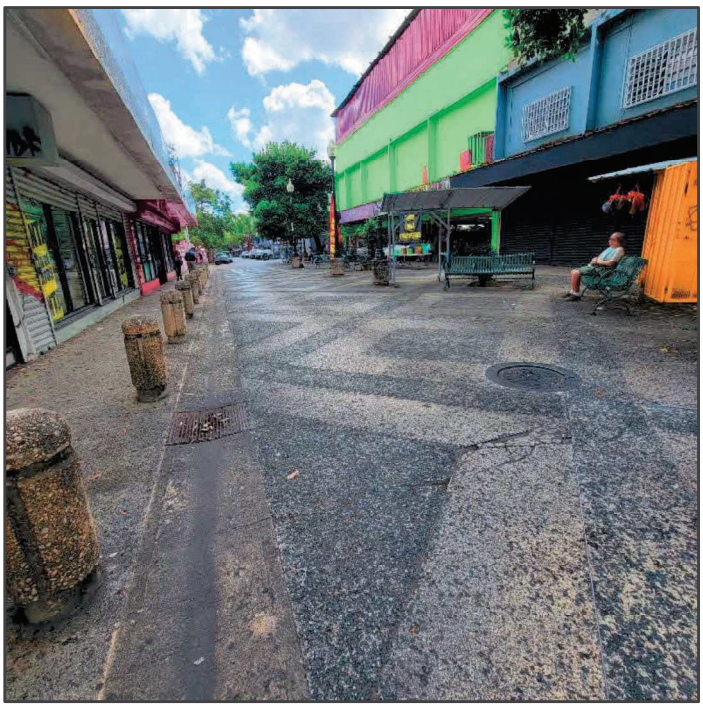
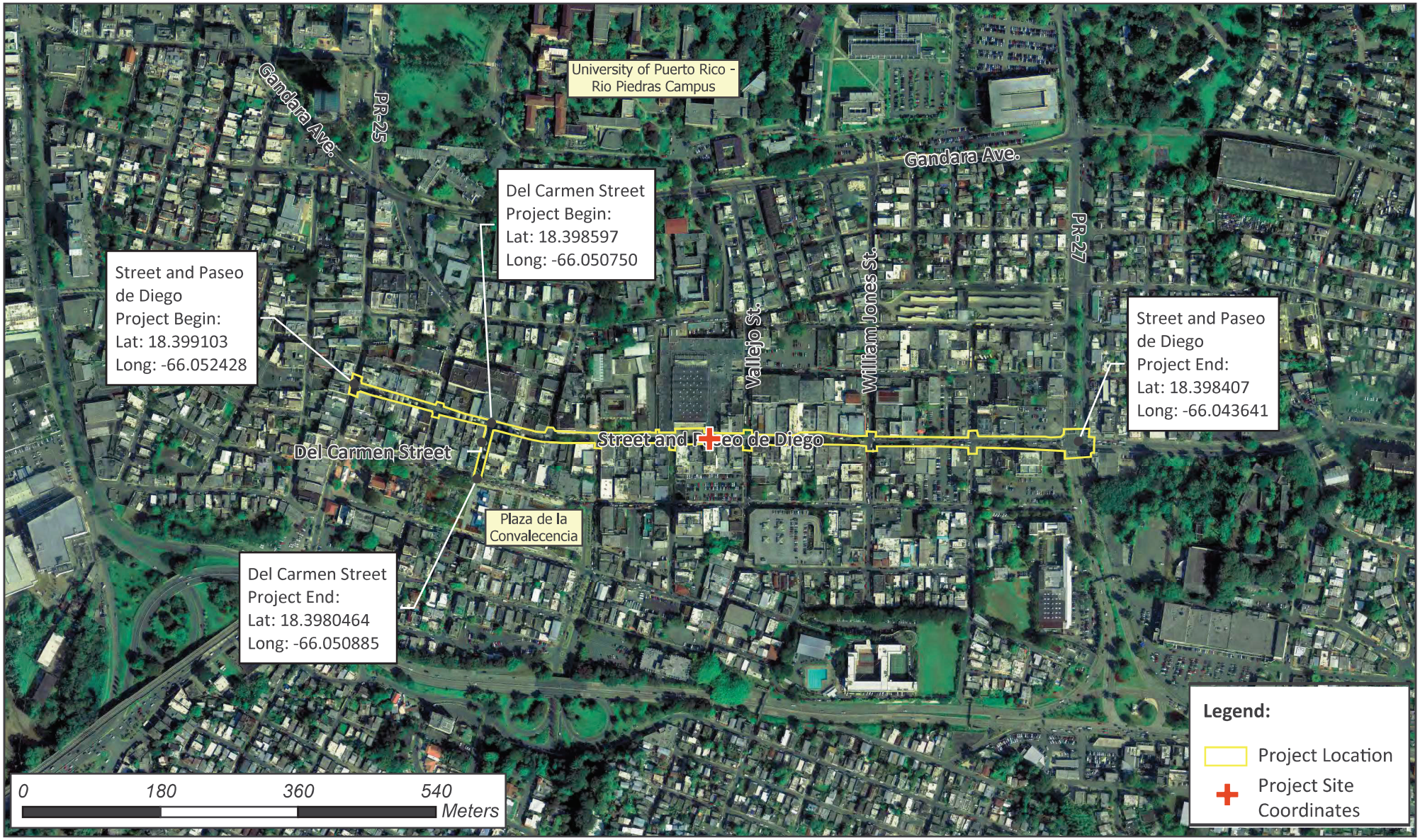

CORNER
MARKET

PAS









City Revitalization Program - Street and Paseo de Diego Rehabilitation (CRP-000956)

Address: Río Piedras ward between the Juan Ponce de Leon Avenue and Barbosa Avenue in San Juan, Puerto Rico **Coordinates: 18.398447, -66.048053 (WGS 1984)**

INTEGRA DESIGN GROUP PSC
(787) 767 2111 www.integrapr.com

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Aerial Photo

Spatial Reference:
NAD 1983 StatePlane Puerto Rico Virgin Islands FIPS 5200

Sources: Google Earth. Earthstar Geographics, Maxar.

SHEET INFORMATION	
DATE SUBMITTED: 1/17/2024	PROJECT NO. CRP-000956
SCALE: 1:7,000	DESCRIPTION AERIAL PHOTO

U.S. Fish and Wildlife Service

National Wetlands Inventory

(PR-CRP-000956)

Address: Río Piedras ward between the Juan Ponce de Leon Avenue and Barbosa Avenue in San Juan, Puerto Rico

Coordinates: 18.398447, -66.048053 (WGS 1984)

August 15, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Project Site Boundary
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Project Site Coordinates
- 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.

INTEGRA DESIGN GROUP PSC
(787) 767 2111 www.integrapr.com

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Spatial Reference: Unknown

Sources: https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/

Critical Habitat for Threatened &Endangered Species (USFWS) - (PR- CRP-000956)

Address: Río Piedras ward between the Juan Ponce de Leon Ave. and Barbosa Ave. in San Juan, Puerto Rico
Coordinates: 18.398447, -66.048053 (WGS 1984)

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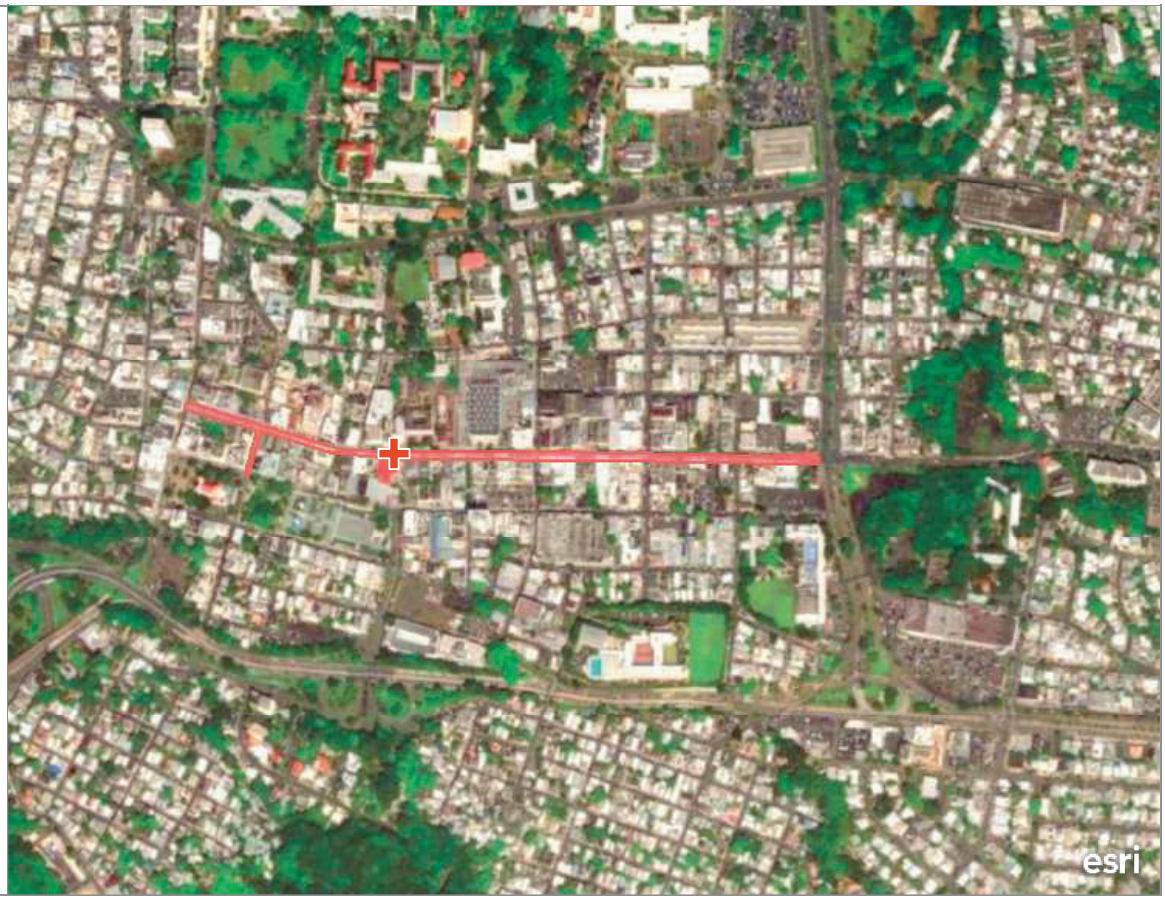
Final Polygon Features

Final Linear Features

Proposed Polygon Features

Proposed Linear Features

N



600ft

A specific geographic area(s) that contains features essential for the conservation of a threatened or endangered species and that may require special management and protection.

Maxar

Project Site Boundary

Project Site Coordinates

Spatial Reference:
NAD 1983 StatePlane Puerto Rico Virgin Islands FIPS 5200

Sources: https://fws.maps.arcgis.com

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

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Location

San Juan County, Puerto Rico

Local office

Caribbean Ecological Services Field Office

(939) 320-3135
(787) 851-7440
CARIBBEAN_ES@FWS.GOV

MAILING ADDRESS
Post Office Box 491
Boqueron, PR 00622-0491

PHYSICAL ADDRESS
Office Park I
State Road #2 Km 156.5, Suite 303}
Mayaguez, PR 00680

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Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

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1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).

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2. 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.

The following species are potentially affected by activities in this location:

Reptiles

NAME	STATUS
Puerto Rican Boa Chilabothrus inornatus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6628	Endangered

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

Bald & Golden Eagles

There are no documented cases of eagles being present at this location. However, if you believe eagles may be using your site, please reach out to the local Fish and Wildlife Service office.

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf

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- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply). To see a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs of bald and golden eagles in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur. Please contact your local Fish and Wildlife Service Field Office if you have questions.

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Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The Migratory Birds Treaty Act of 1918.

2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

The data in this location indicates there are no migratory birds of conservation concern expected to occur in this area.

There may be migratory birds in your project area, but we don't have any survey data available to provide further direction. For additional information, please refer to the links above for recommendations to minimize impacts to migratory birds or contact your local FWS office.

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Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the RAIL Tool and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

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Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

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Facilities

National Wildlife Refuge lands

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 at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

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.

This location did not intersect any wetlands mapped by NWI.

NOTE: This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

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Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

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EXHIBIT | 08

Explosive and Flammable

Paseo de Diego

(PR-CRP-000956)

Integra Design Group, PSC
576 Avenida Arterial B, Suite 102 – Hato Rey, Puerto Rico
PO Box 195488 San Juan, PR 00919
787-767-2111
www.integrapr.com

EXHIBIT | 09

Farmlands Protection

Paseo de Diego

(PR-CRP-000956)

INTEGRA

Integra Design Group, PSC
576 Avenida Arterial B, Suite 102 — Hato Rey, Puerto Rico
PO Box 195488 San Juan, PR 00919
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www.integrapr.com

United States Department of Agriculture

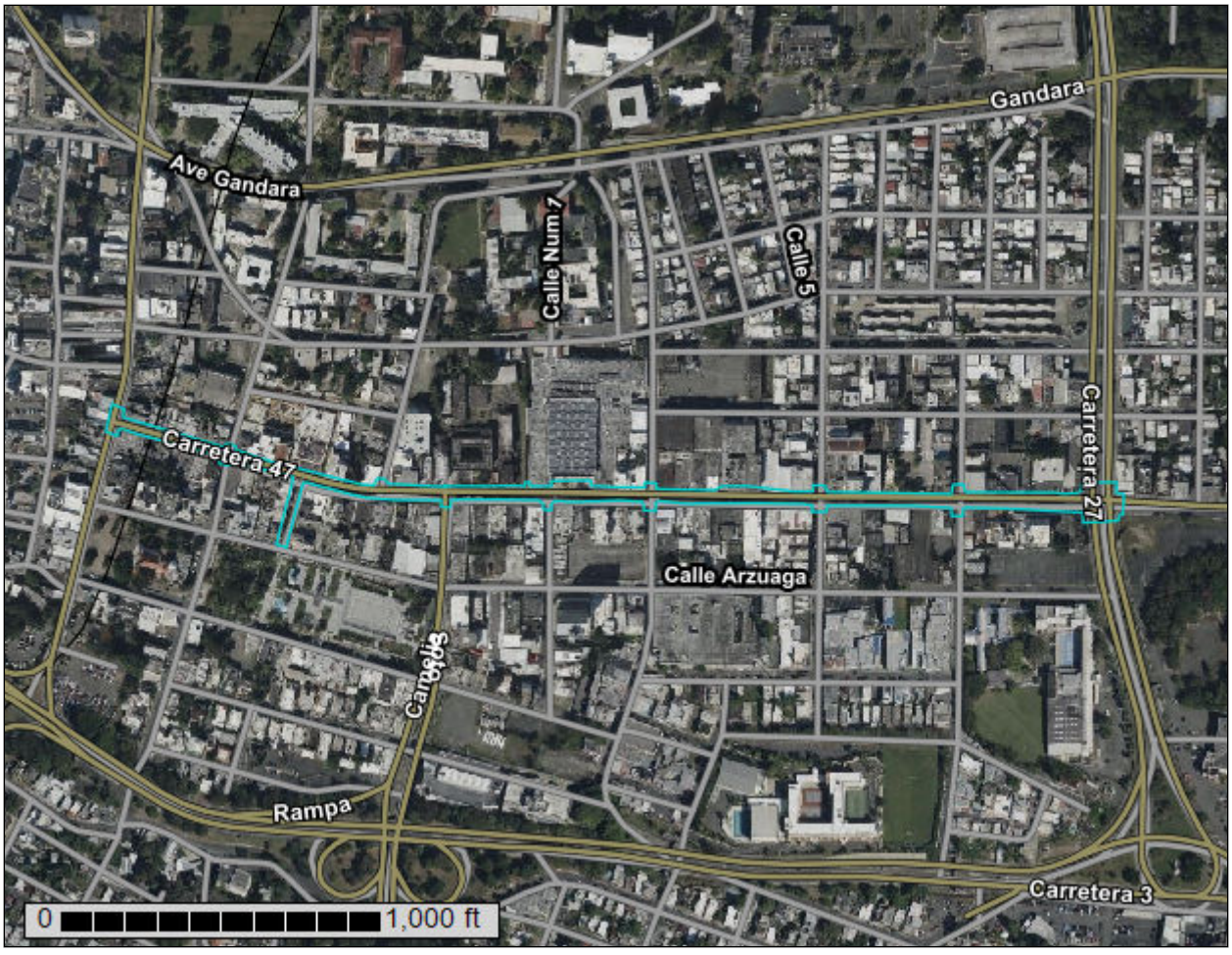
NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for San Juan Area, Puerto Rico

Paseo de Diego (PR-CRP-000956)



November 15, 2024

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report Map—Soil Map
Paseo de Diego (PR-CRP-000956)

Project Site Limits

Map Scale: 1:5,350 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

Address:Address: Río Piedras ward between the Juan Ponce de León Avenue and Barbosa Avenue in San Juan, Puerto Rico

Coordinates: 18.398447, -66.048053 (WGS 1984)

Spatial Reference:
Web Mercator (EPSG:3857)

Sources:https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx

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: San Juan Area, Puerto Rico
Survey Area Data: Version 18, 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
UI	Urban land	3.8	100.0%
Totals for Area of Interest		**3.8**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

San Juan Area, Puerto Rico

Ul—Urban land

Map Unit Setting

National map unit symbol: 2yg1h
Frost-free period: 365 days
Farmland classification: Not prime farmland

Map Unit Composition

Urban land: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Urban Land

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Hydric soil rating: No

Soil Information for All Uses

Suitabilities and Limitations for Use

The Suitabilities and Limitations for Use section includes various soil interpretations displayed as thematic maps with a summary table for the soil map units in the selected area of interest. A single value or rating for each map unit is generated by aggregating the interpretive ratings of individual map unit components. This aggregation process is defined for each interpretation.

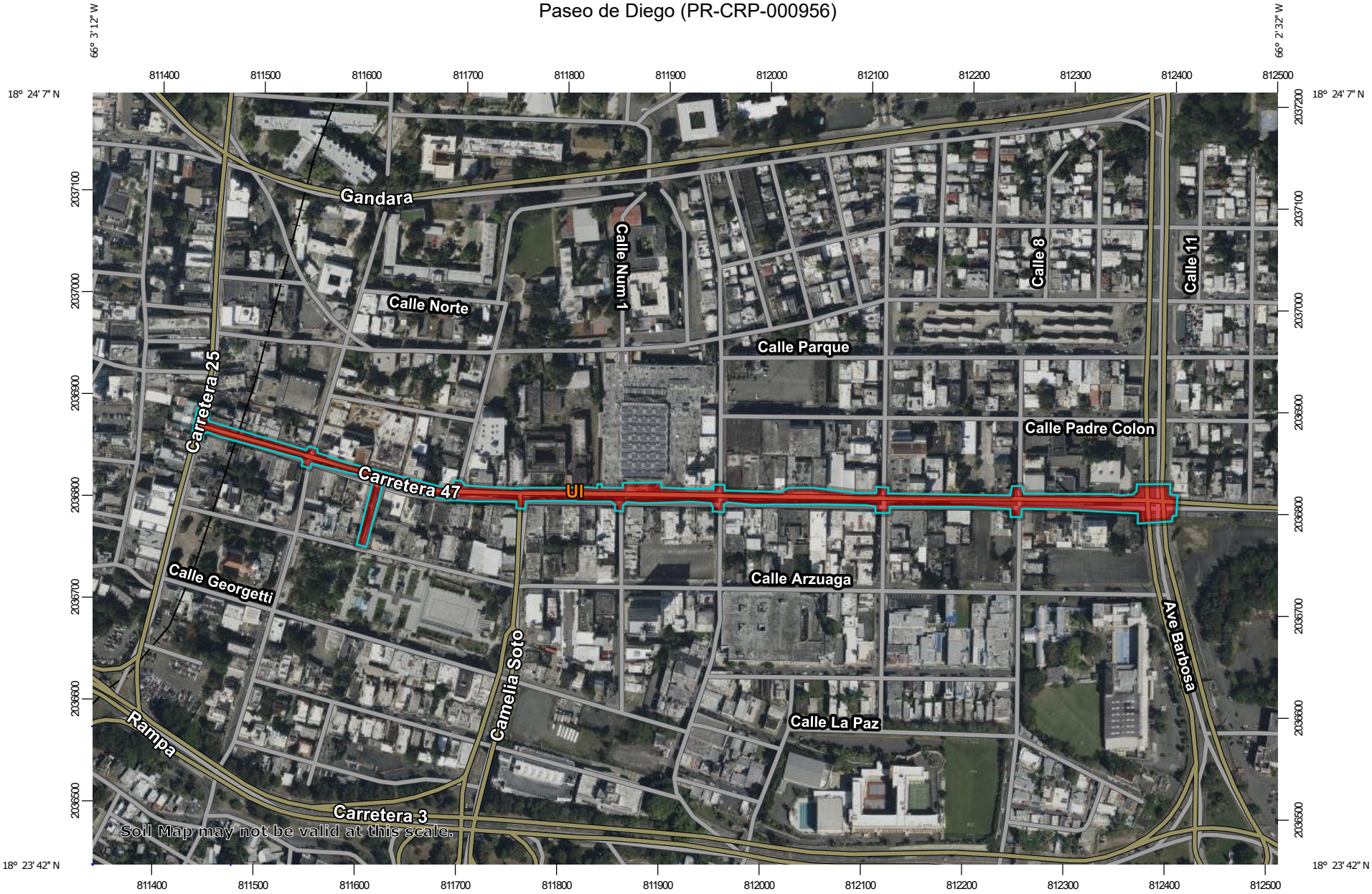
Land Classifications

Land Classifications are specified land use and management groupings that are assigned to soil areas because combinations of soil have similar behavior for specified practices. Most are based on soil properties and other factors that directly influence the specific use of the soil. Example classifications include ecological site classification, farmland classification, irrigated and nonirrigated land capability classification, and hydric rating.

Farmland Classification

Farmland classification identifies map units as prime farmland, farmland of statewide importance, farmland of local importance, or unique farmland. It identifies the location and extent of the soils that are best suited to food, feed, fiber, forage, and oilseed crops. NRCS policy and procedures on prime and unique farmlands are published in the "Federal Register," Vol. 43, No. 21, January 31, 1978.

Custom Soil Resource Report Map—Farmland Classification
Paseo de Diego (PR-CRP-000956)



Map Scale: 1:5,350 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

Project Site Limits

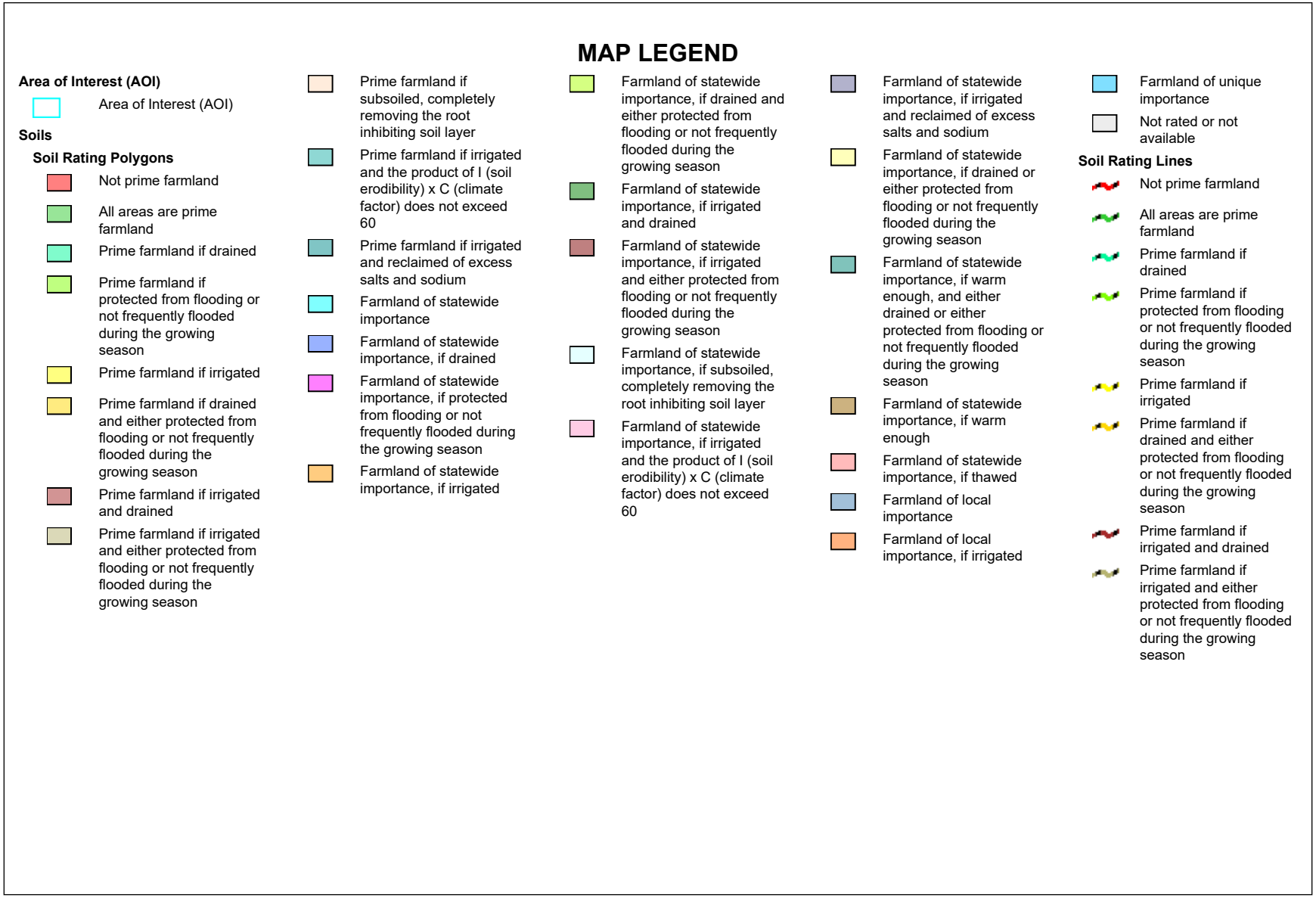
Not Prime Farmland

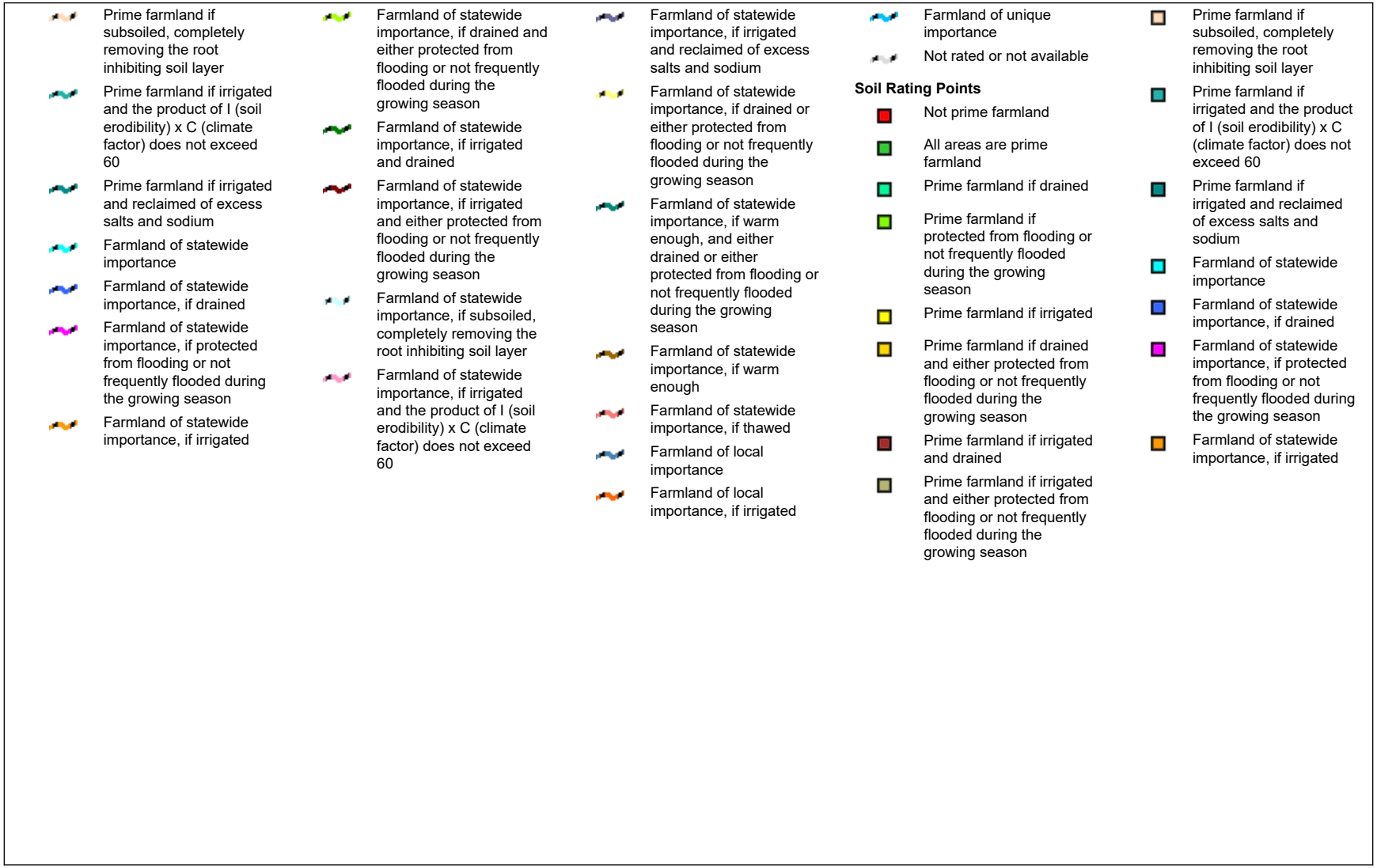
Address:Address: Río Piedras ward between the Juan Ponce de León Avenue and Barbosa Avenue in San Juan, Puerto Rico

Coordinates: 18.398447, -66.048053 (WGS 1984)

Spatial Reference:
Web Mercator (EPSG:3857)

Sources:https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx


MAP LEGEND
Area of Interest (AOI)
Area of Interest (AOI)
Soils
Soil Rating Polygons
Not prime farmland
All areas are prime farmland
Prime farmland if drained
Prime farmland if protected from flooding or not frequently flooded during the growing season
Prime farmland if irrigated
Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
Prime farmland if irrigated and drained
Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season
Prime farmland if subsoiled, completely removing the root inhibiting soil layer
Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
Prime farmland if irrigated and reclaimed of excess salts and sodium
Farmland of statewide importance
Farmland of statewide importance, if drained
Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season
Farmland of statewide importance, if irrigated
Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season
Farmland of statewide importance, if irrigated and drained
Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season
Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer
Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium
Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season
Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season
Farmland of statewide importance, if warm enough
Farmland of statewide importance, if thawed
Farmland of local importance
Farmland of local importance, if irrigated
Farmland of unique importance
Not rated or not available
Soil Rating Lines
Not prime farmland
All areas are prime farmland
Prime farmland if drained
Prime farmland if protected from flooding or not frequently flooded during the growing season
Prime farmland if irrigated
Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
Prime farmland if irrigated and drained
Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season


Prime farmland if subsoiled, completely removing the root inhibiting soil layer
Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
Prime farmland if irrigated and reclaimed of excess salts and sodium
Farmland of statewide importance
Farmland of statewide importance, if drained
Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season
Farmland of statewide importance, if irrigated
Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season
Farmland of statewide importance, if irrigated and drained
Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season
Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer
Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium
Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season
Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season
Farmland of statewide importance, if warm enough
Farmland of statewide importance, if thawed
Farmland of local importance
Farmland of local importance, if irrigated
Farmland of unique importance
Not rated or not available
Soil Rating Points
Not prime farmland
All areas are prime farmland
Prime farmland if drained
Prime farmland if protected from flooding or not frequently flooded during the growing season
Prime farmland if irrigated
Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
Prime farmland if irrigated and drained
Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season
Prime farmland if subsoiled, completely removing the root inhibiting soil layer
Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
Prime farmland if irrigated and reclaimed of excess salts and sodium
Farmland of statewide importance
Farmland of statewide importance, if drained
Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season
Farmland of statewide importance, if irrigated

- Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if irrigated and drained
- Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer
- Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
- Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium
- Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season
- Farmland of statewide importance, if warm enough
- Farmland of statewide importance, if thawed
- Farmland of local importance
- Farmland of local importance, if irrigated
- Farmland of unique importance
- Not rated or not available

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

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: San Juan Area, Puerto Rico
Survey Area Data: Version 18, 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.

Table—Farmland Classification

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
UI	Urban land	Not prime farmland	3.8	100.0%
Totals for Area of Interest			**3.8**	**100.0%**

Rating Options—Farmland Classification

Aggregation Method: No Aggregation Necessary

Aggregation is the process by which a set of component attribute values is reduced to a single value that represents the map unit as a whole.

A map unit is typically composed of one or more "components". A component is either some type of soil or some nonsoil entity, e.g., rock outcrop. For the attribute being aggregated, the first step of the aggregation process is to derive one attribute value for each of a map unit's components. From this set of component attributes, the next step of the aggregation process derives a single value that represents the map unit as a whole. Once a single value for each map unit is derived, a thematic map for soil map units can be rendered. Aggregation must be done because, on any soil map, map units are delineated but components are not.

For each of a map unit's components, a corresponding percent composition is recorded. A percent composition of 60 indicates that the corresponding component typically makes up approximately 60% of the map unit. Percent composition is a critical factor in some, but not all, aggregation methods.

The majority of soil attributes are associated with a component of a map unit, and such an attribute has to be aggregated to the map unit level before a thematic map can be rendered. Map units, however, also have their own attributes. An attribute of a map unit does not have to be aggregated in order to render a corresponding thematic map. Therefore, the "aggregation method" for any attribute of a map unit is referred to as "No Aggregation Necessary".

Tie-break Rule: Lower

The tie-break rule indicates which value should be selected from a set of multiple candidate values, or which value should be selected in the event of a percent composition tie.

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Glossary

Many of the terms relating to landforms, geology, and geomorphology are defined in more detail in the following National Soil Survey Handbook link: "National Soil Survey Handbook."

ABC soil

A soil having an A, a B, and a C horizon.

Ablation till

Loose, relatively permeable earthy material deposited during the downwasting of nearly static glacial ice, either contained within or accumulated on the surface of the glacier.

AC soil

A soil having only an A and a C horizon. Commonly, such soil formed in recent alluvium or on steep, rocky slopes.

Aeration, soil

The exchange of air in soil with air from the atmosphere. The air in a well aerated soil is similar to that in the atmosphere; the air in a poorly aerated soil is considerably higher in carbon dioxide and lower in oxygen.

Aggregate, soil

Many fine particles held in a single mass or cluster. Natural soil aggregates, such as granules, blocks, or prisms, are called peds. Clods are aggregates produced by tillage or logging.

Alkali (sodic) soil

A soil having so high a degree of alkalinity (pH 8.5 or higher) or so high a percentage of exchangeable sodium (15 percent or more of the total exchangeable bases), or both, that plant growth is restricted.

Alluvial cone

A semiconical type of alluvial fan having very steep slopes. It is higher, narrower, and steeper than a fan and is composed of coarser and thicker layers of material deposited by a combination of alluvial episodes and (to a much lesser degree) landslides (debris flow). The coarsest materials tend to be concentrated at the apex of the cone.

Alluvial fan

A low, outspread mass of loose materials and/or rock material, commonly with gentle slopes. It is shaped like an open fan or a segment of a cone. The material was deposited by a stream at the place where it issues from a narrow mountain valley or upland valley or where a tributary stream is near or at its junction with the main stream. The fan is steepest near its apex, which points upstream, and slopes gently and convexly outward (downstream) with a gradual decrease in gradient.

Alluvium

Unconsolidated material, such as gravel, sand, silt, clay, and various mixtures of these, deposited on land by running water.

Alpha,alpha-dipyridyl

A compound that when dissolved in ammonium acetate is used to detect the presence of reduced iron (Fe II) in the soil. A positive reaction implies reducing conditions and the likely presence of redoximorphic features.

Animal unit month (AUM)

The amount of forage required by one mature cow of approximately 1,000 pounds weight, with or without a calf, for 1 month.

Aquic conditions

Current soil wetness characterized by saturation, reduction, and redoximorphic features.

Argillic horizon

A subsoil horizon characterized by an accumulation of illuvial clay.

Arroyo

The flat-floored channel of an ephemeral stream, commonly with very steep to vertical banks cut in unconsolidated material. It is usually dry but can be transformed into a temporary watercourse or short-lived torrent after heavy rain within the watershed.

Aspect

The direction toward which a slope faces. Also called slope aspect.

Association, soil

A group of soils or miscellaneous areas geographically associated in a characteristic repeating pattern and defined and delineated as a single map unit.

Available water capacity (available moisture capacity)

The capacity of soils to hold water available for use by most plants. It is commonly defined as the difference between the amount of soil water at field moisture capacity and the amount at wilting point. It is commonly expressed as inches of water per inch of soil. The capacity, in inches, in a 60-inch profile or to a limiting layer is expressed as:

Very low: 0 to 3
Low: 3 to 6
Moderate: 6 to 9
High: 9 to 12
Very high: More than 12

Backslope

The position that forms the steepest and generally linear, middle portion of a hillslope. In profile, backslopes are commonly bounded by a convex shoulder above and a concave footslope below.

Backswamp

A flood-plain landform. Extensive, marshy or swampy, depressed areas of flood plains between natural levees and valley sides or terraces.

Badland

A landscape that is intricately dissected and characterized by a very fine drainage network with high drainage densities and short, steep slopes and narrow interfluves. Badlands develop on surfaces that have little or no vegetative cover overlying unconsolidated or poorly cemented materials (clays, silts, or sandstones) with, in some cases, soluble minerals, such as gypsum or halite.

Bajada

A broad, gently inclined alluvial piedmont slope extending from the base of a mountain range out into a basin and formed by the lateral coalescence of a series of alluvial fans. Typically, it has a broadly undulating transverse profile, parallel to the mountain front, resulting from the convexities of component fans. The term is generally restricted to constructional slopes of intermontane basins.

Basal area

The area of a cross section of a tree, generally referring to the section at breast height and measured outside the bark. It is a measure of stand density, commonly expressed in square feet.

Base saturation

The degree to which material having cation-exchange properties is saturated with exchangeable bases (sum of Ca, Mg, Na, and K), expressed as a percentage of the total cation-exchange capacity.

Base slope (geomorphology)

A geomorphic component of hills consisting of the concave to linear (perpendicular to the contour) slope that, regardless of the lateral shape, forms an apron or wedge at the bottom of a hillside dominated by colluvium and slope-wash sediments (for example, slope alluvium).

Bedding plane

A planar or nearly planar bedding surface that visibly separates each successive layer of stratified sediment or rock (of the same or different lithology)

from the preceding or following layer; a plane of deposition. It commonly marks a change in the circumstances of deposition and may show a parting, a color difference, a change in particle size, or various combinations of these. The term is commonly applied to any bedding surface, even one that is conspicuously bent or deformed by folding.

Bedding system

A drainage system made by plowing, grading, or otherwise shaping the surface of a flat field. It consists of a series of low ridges separated by shallow, parallel dead furrows.

Bedrock

The solid rock that underlies the soil and other unconsolidated material or that is exposed at the surface.

Bedrock-controlled topography

A landscape where the configuration and relief of the landforms are determined or strongly influenced by the underlying bedrock.

Bench terrace

A raised, level or nearly level strip of earth constructed on or nearly on a contour, supported by a barrier of rocks or similar material, and designed to make the soil suitable for tillage and to prevent accelerated erosion.

Bisequum

Two sequences of soil horizons, each of which consists of an illuvial horizon and the overlying eluvial horizons.

Blowout (map symbol)

A saucer-, cup-, or trough-shaped depression formed by wind erosion on a preexisting dune or other sand deposit, especially in an area of shifting sand or loose soil or where protective vegetation is disturbed or destroyed. The adjoining accumulation of sand derived from the depression, where recognizable, is commonly included. Blowouts are commonly small.

Borrow pit (map symbol)

An open excavation from which soil and underlying material have been removed, usually for construction purposes.

Bottom land

An informal term loosely applied to various portions of a flood plain.

Boulders

Rock fragments larger than 2 feet (60 centimeters) in diameter.

Breaks

A landscape or tract of steep, rough or broken land dissected by ravines and gullies and marking a sudden change in topography.

Breast height

An average height of 4.5 feet above the ground surface; the point on a tree where diameter measurements are ordinarily taken.

Brush management

Use of mechanical, chemical, or biological methods to make conditions favorable for reseeding or to reduce or eliminate competition from woody vegetation and thus allow understory grasses and forbs to recover. Brush management increases forage production and thus reduces the hazard of erosion. It can improve the habitat for some species of wildlife.

Butte

An isolated, generally flat-topped hill or mountain with relatively steep slopes and talus or precipitous cliffs and characterized by summit width that is less than the height of bounding escarpments; commonly topped by a caprock of resistant material and representing an erosion remnant carved from flat-lying rocks.

Cable yarding

A method of moving felled trees to a nearby central area for transport to a processing facility. Most cable yarding systems involve use of a drum, a pole, and wire cables in an arrangement similar to that of a rod and reel used for fishing. To reduce friction and soil disturbance, felled trees generally are reeled in while one end is lifted or the entire log is suspended.

Calcareous soil

A soil containing enough calcium carbonate (commonly combined with magnesium carbonate) to effervesce visibly when treated with cold, dilute hydrochloric acid.

Caliche

A general term for a prominent zone of secondary carbonate accumulation in surficial materials in warm, subhumid to arid areas. Caliche is formed by both geologic and pedologic processes. Finely crystalline calcium carbonate forms a nearly continuous surface-coating and void-filling medium in geologic (parent) materials. Cementation ranges from weak in nonindurated forms to very strong in indurated forms. Other minerals (e.g., carbonates, silicate, and sulfate) may occur as accessory cements. Most petrocalcic horizons and some calcic horizons are caliche.

California bearing ratio (CBR)

The load-supporting capacity of a soil as compared to that of standard crushed limestone, expressed as a ratio. First standardized in California. A soil having a CBR of 16 supports 16 percent of the load that would be supported by standard crushed limestone, per unit area, with the same degree of distortion.

Canopy

The leafy crown of trees or shrubs. (See Crown.)

Canyon

A long, deep, narrow valley with high, precipitous walls in an area of high local relief.

Capillary water

Water held as a film around soil particles and in tiny spaces between particles. Surface tension is the adhesive force that holds capillary water in the soil.

Catena

A sequence, or “chain,” of soils on a landscape that formed in similar kinds of parent material and under similar climatic conditions but that have different characteristics as a result of differences in relief and drainage.

Cation

An ion carrying a positive charge of electricity. The common soil cations are calcium, potassium, magnesium, sodium, and hydrogen.

Cation-exchange capacity

The total amount of exchangeable cations that can be held by the soil, expressed in terms of milliequivalents per 100 grams of soil at neutrality (pH 7.0) or at some other stated pH value. The term, as applied to soils, is synonymous with base-exchange capacity but is more precise in meaning.

Catsteps

See Terracettes.

Cement rock

Shaly limestone used in the manufacture of cement.

Channery soil material

Soil material that has, by volume, 15 to 35 percent thin, flat fragments of sandstone, shale, slate, limestone, or schist as much as 6 inches (15 centimeters) along the longest axis. A single piece is called a channer.

Chemical treatment

Control of unwanted vegetation through the use of chemicals.

Chiseling

Tillage with an implement having one or more soil-penetrating points that shatter or loosen hard, compacted layers to a depth below normal plow depth.

Cirque

A steep-walled, semicircular or crescent-shaped, half-bowl-like recess or hollow, commonly situated at the head of a glaciated mountain valley or high on the side of a mountain. It was produced by the erosive activity of a mountain glacier. It commonly contains a small round lake (tarn).

Clay

As a soil separate, the mineral soil particles less than 0.002 millimeter in diameter. As a soil textural class, soil material that is 40 percent or more clay, less than 45 percent sand, and less than 40 percent silt.

Clay depletions

See Redoximorphic features.

Clay film

A thin coating of oriented clay on the surface of a soil aggregate or lining pores or root channels. Synonyms: clay coating, clay skin.

Clay spot (map symbol)

A spot where the surface texture is silty clay or clay in areas where the surface layer of the soils in the surrounding map unit is sandy loam, loam, silt loam, or coarser.

Claypan

A dense, compact subsoil layer that contains much more clay than the overlying materials, from which it is separated by a sharply defined boundary. The layer restricts the downward movement of water through the soil. A claypan is commonly hard when dry and plastic and sticky when wet.

Climax plant community

The stabilized plant community on a particular site. The plant cover reproduces itself and does not change so long as the environment remains the same.

Coarse textured soil

Sand or loamy sand.

Cobble (or cobblestone)

A rounded or partly rounded fragment of rock 3 to 10 inches (7.6 to 25 centimeters) in diameter.

Cobbly soil material

Material that has 15 to 35 percent, by volume, rounded or partially rounded rock fragments 3 to 10 inches (7.6 to 25 centimeters) in diameter. Very cobbly soil material has 35 to 60 percent of these rock fragments, and extremely cobbly soil material has more than 60 percent.

COLE (coefficient of linear extensibility)

See Linear extensibility.

Colluvium

Unconsolidated, unsorted earth material being transported or deposited on side slopes and/or at the base of slopes by mass movement (e.g., direct gravitational action) and by local, unconcentrated runoff.

Complex slope

Irregular or variable slope. Planning or establishing terraces, diversions, and other water-control structures on a complex slope is difficult.

Complex, soil

A map unit of two or more kinds of soil or miscellaneous areas in such an intricate pattern or so small in area that it is not practical to map them separately at the selected scale of mapping. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas.

Concretions

See Redoximorphic features.

Conglomerate

A coarse grained, clastic sedimentary rock composed of rounded or subangular rock fragments more than 2 millimeters in diameter. It commonly has a matrix of sand and finer textured material. Conglomerate is the consolidated equivalent of gravel.

Conservation cropping system

Growing crops in combination with needed cultural and management practices. In a good conservation cropping system, the soil-improving crops and practices more than offset the effects of the soil-depleting crops and practices. Cropping systems are needed on all tilled soils. Soil-improving practices in a conservation cropping system include the use of rotations that contain grasses and legumes and the return of crop residue to the soil. Other practices include the use of green manure crops of grasses and legumes, proper tillage, adequate fertilization, and weed and pest control.

Conservation tillage

A tillage system that does not invert the soil and that leaves a protective amount of crop residue on the surface throughout the year.

Consistence, soil

Refers to the degree of cohesion and adhesion of soil material and its resistance to deformation when ruptured. Consistence includes resistance of soil material to rupture and to penetration; plasticity, toughness, and stickiness of puddled soil material; and the manner in which the soil material behaves when subject to compression. Terms describing consistence are defined in the “Soil Survey Manual.”

Contour stripcropping

Growing crops in strips that follow the contour. Strips of grass or close-growing crops are alternated with strips of clean-tilled crops or summer fallow.

Control section

The part of the soil on which classification is based. The thickness varies among different kinds of soil, but for many it is that part of the soil profile between depths of 10 inches and 40 or 80 inches.

Coprogenous earth (sedimentary peat)

A type of limnic layer composed predominantly of fecal material derived from aquatic animals.

Corrosion (geomorphology)

A process of erosion whereby rocks and soil are removed or worn away by natural chemical processes, especially by the solvent action of running water, but also by other reactions, such as hydrolysis, hydration, carbonation, and oxidation.

Corrosion (soil survey interpretations)

Soil-induced electrochemical or chemical action that dissolves or weakens concrete or uncoated steel.

Cover crop

A close-growing crop grown primarily to improve and protect the soil between periods of regular crop production, or a crop grown between trees and vines in orchards and vineyards.

Crop residue management

Returning crop residue to the soil, which helps to maintain soil structure, organic matter content, and fertility and helps to control erosion.

Cropping system

Growing crops according to a planned system of rotation and management practices.

Cross-slope farming

Deliberately conducting farming operations on sloping farmland in such a way that tillage is across the general slope.

Crown

The upper part of a tree or shrub, including the living branches and their foliage.

Cryoturbate

A mass of soil or other unconsolidated earthy material moved or disturbed by frost action. It is typically coarser than the underlying material.

Cuesta

An asymmetric ridge capped by resistant rock layers of slight or moderate dip (commonly less than 15 percent slopes); a type of homocline produced by differential erosion of interbedded resistant and weak rocks. A cuesta has a long, gentle slope on one side (dip slope) that roughly parallels the inclined beds; on the other side, it has a relatively short and steep or clifflike slope (scarp) that cuts through the tilted rocks.

Culmination of the mean annual increment (CMAI)

The average annual increase per acre in the volume of a stand. Computed by dividing the total volume of the stand by its age. As the stand increases in age, the mean annual increment continues to increase until mortality begins to reduce the rate of increase. The point where the stand reaches its maximum annual rate of growth is called the culmination of the mean annual increment.

Cutbanks cave

The walls of excavations tend to cave in or slough.

Decreasers

The most heavily grazed climax range plants. Because they are the most palatable, they are the first to be destroyed by overgrazing.

Deferred grazing

Postponing grazing or resting grazing land for a prescribed period.

Delta

A body of alluvium having a surface that is fan shaped and nearly flat; deposited at or near the mouth of a river or stream where it enters a body of relatively quiet water, generally a sea or lake.

Dense layer

A very firm, massive layer that has a bulk density of more than 1.8 grams per cubic centimeter. Such a layer affects the ease of digging and can affect filling and compacting.

Depression, closed (map symbol)

A shallow, saucer-shaped area that is slightly lower on the landscape than the surrounding area and that does not have a natural outlet for surface drainage.

Depth, soil

Generally, the thickness of the soil over bedrock. Very deep soils are more than 60 inches deep over bedrock; deep soils, 40 to 60 inches; moderately deep, 20 to 40 inches; shallow, 10 to 20 inches; and very shallow, less than 10 inches.

Desert pavement

A natural, residual concentration or layer of wind-polished, closely packed gravel, boulders, and other rock fragments mantling a desert surface. It forms where wind action and sheetwash have removed all smaller particles or where rock fragments have migrated upward through sediments to the surface. It typically protects the finer grained underlying material from further erosion.

Diatomaceous earth

A geologic deposit of fine, grayish siliceous material composed chiefly or entirely of the remains of diatoms.

Dip slope

A slope of the land surface, roughly determined by and approximately conforming to the dip of the underlying bedrock.

Diversion (or diversion terrace)

A ridge of earth, generally a terrace, built to protect downslope areas by diverting runoff from its natural course.

Divided-slope farming

A form of field stripcropping in which crops are grown in a systematic arrangement of two strips, or bands, across the slope to reduce the hazard of water erosion. One strip is in a close-growing crop that provides protection from erosion, and the other strip is in a crop that provides less protection from erosion. This practice is used where slopes are not long enough to permit a full stripcropping pattern to be used.

Drainage class (natural)

Refers to the frequency and duration of wet periods under conditions similar to those under which the soil formed. Alterations of the water regime by human activities, either through drainage or irrigation, are not a consideration unless they have significantly changed the morphology of the soil. Seven classes of natural soil drainage are recognized—*excessively drained, somewhat excessively drained, well drained, moderately well drained, somewhat poorly drained, poorly drained,* and *very poorly drained*. These classes are defined in the “Soil Survey Manual.”

Drainage, surface

Runoff, or surface flow of water, from an area.

Drainageway

A general term for a course or channel along which water moves in draining an area. A term restricted to relatively small, linear depressions that at some time move concentrated water and either do not have a defined channel or have only a small defined channel.

Draw

A small stream valley that generally is shallower and more open than a ravine or gulch and that has a broader bottom. The present stream channel may appear inadequate to have cut the drainageway that it occupies.

Drift

A general term applied to all mineral material (clay, silt, sand, gravel, and boulders) transported by a glacier and deposited directly by or from the ice or transported by running water emanating from a glacier. Drift includes unstratified material (till) that forms moraines and stratified deposits that form outwash plains, eskers, kames, varves, and glaciofluvial sediments. The term is generally applied to Pleistocene glacial deposits in areas that no longer contain glaciers.

Drumlin

A low, smooth, elongated oval hill, mound, or ridge of compact till that has a core of bedrock or drift. It commonly has a blunt nose facing the direction from which the ice approached and a gentler slope tapering in the other direction. The longer axis is parallel to the general direction of glacier flow. Drumlins are products of streamline (laminar) flow of glaciers, which molded the subglacial floor through a combination of erosion and deposition.

Duff

A generally firm organic layer on the surface of mineral soils. It consists of fallen plant material that is in the process of decomposition and includes everything from the litter on the surface to underlying pure humus.

Dune

A low mound, ridge, bank, or hill of loose, windblown granular material (generally sand), either barren and capable of movement from place to place or covered and stabilized with vegetation but retaining its characteristic shape.

Earthy fill

See Mine spoil.

Ecological site

An area where climate, soil, and relief are sufficiently uniform to produce a distinct natural plant community. An ecological site is the product of all the environmental factors responsible for its development. It is typified by an association of species that differ from those on other ecological sites in kind and/or proportion of species or in total production.

Eluviation

The movement of material in true solution or colloidal suspension from one place to another within the soil. Soil horizons that have lost material through eluviation are eluvial; those that have received material are illuvial.

Endosaturation

A type of saturation of the soil in which all horizons between the upper boundary of saturation and a depth of 2 meters are saturated.

Eolian deposit

Sand-, silt-, or clay-sized clastic material transported and deposited primarily by wind, commonly in the form of a dune or a sheet of sand or loess.

Ephemeral stream

A stream, or reach of a stream, that flows only in direct response to precipitation. It receives no long-continued supply from melting snow or other source, and its channel is above the water table at all times.

Episaturation

A type of saturation indicating a perched water table in a soil in which saturated layers are underlain by one or more unsaturated layers within 2 meters of the surface.

Erosion

The wearing away of the land surface by water, wind, ice, or other geologic agents and by such processes as gravitational creep.

Erosion (accelerated)

Erosion much more rapid than geologic erosion, mainly as a result of human or animal activities or of a catastrophe in nature, such as a fire, that exposes the surface.

Erosion (geologic)

Erosion caused by geologic processes acting over long geologic periods and resulting in the wearing away of mountains and the building up of such landscape features as flood plains and coastal plains. Synonym: natural erosion.

Erosion pavement

A surficial lag concentration or layer of gravel and other rock fragments that remains on the soil surface after sheet or rill erosion or wind has removed the finer soil particles and that tends to protect the underlying soil from further erosion.

Erosion surface

A land surface shaped by the action of erosion, especially by running water.

Escarpment

A relatively continuous and steep slope or cliff breaking the general continuity of more gently sloping land surfaces and resulting from erosion or faulting. Most commonly applied to cliffs produced by differential erosion. Synonym: scarp.

Escarpment, bedrock (map symbol)

A relatively continuous and steep slope or cliff, produced by erosion or faulting, that breaks the general continuity of more gently sloping land surfaces. Exposed material is hard or soft bedrock.

Escarpment, nonbedrock (map symbol)

A relatively continuous and steep slope or cliff, generally produced by erosion but in some places produced by faulting, that breaks the continuity of more gently sloping land surfaces. Exposed earthy material is nonsoil or very shallow soil.

Esker

A long, narrow, sinuous, steep-sided ridge of stratified sand and gravel deposited as the bed of a stream flowing in an ice tunnel within or below the ice (subglacial) or between ice walls on top of the ice of a wasting glacier and left

behind as high ground when the ice melted. Eskers range in length from less than a kilometer to more than 160 kilometers and in height from 3 to 30 meters.

Extrusive rock

Igneous rock derived from deep-seated molten matter (magma) deposited and cooled on the earth's surface.

Fallow

Cropland left idle in order to restore productivity through accumulation of moisture. Summer fallow is common in regions of limited rainfall where cereal grain is grown. The soil is tilled for at least one growing season for weed control and decomposition of plant residue.

Fan remnant

A general term for landforms that are the remaining parts of older fan landforms, such as alluvial fans, that have been either dissected or partially buried.

Fertility, soil

The quality that enables a soil to provide plant nutrients, in adequate amounts and in proper balance, for the growth of specified plants when light, moisture, temperature, tilth, and other growth factors are favorable.

Fibric soil material (peat)

The least decomposed of all organic soil material. Peat contains a large amount of well preserved fiber that is readily identifiable according to botanical origin. Peat has the lowest bulk density and the highest water content at saturation of all organic soil material.

Field moisture capacity

The moisture content of a soil, expressed as a percentage of the ovendry weight, after the gravitational, or free, water has drained away; the field moisture content 2 or 3 days after a soaking rain; also called *normal field capacity, normal moisture capacity,* or *capillary capacity*.

Fill slope

A sloping surface consisting of excavated soil material from a road cut. It commonly is on the downhill side of the road.

Fine textured soil

Sandy clay, silty clay, or clay.

Firebreak

An area cleared of flammable material to stop or help control creeping or running fires. It also serves as a line from which to work and to facilitate the movement of firefighters and equipment. Designated roads also serve as firebreaks.

First bottom

An obsolete, informal term loosely applied to the lowest flood-plain steps that are subject to regular flooding.

Flaggy soil material

Material that has, by volume, 15 to 35 percent flagstones. Very flaggy soil material has 35 to 60 percent flagstones, and extremely flaggy soil material has more than 60 percent flagstones.

Flagstone

A thin fragment of sandstone, limestone, slate, shale, or (rarely) schist 6 to 15 inches (15 to 38 centimeters) long.

Flood plain

The nearly level plain that borders a stream and is subject to flooding unless protected artificially.

Flood-plain landforms

A variety of constructional and erosional features produced by stream channel migration and flooding. Examples include backswamps, flood-plain splays, meanders, meander belts, meander scrolls, oxbow lakes, and natural levees.

Flood-plain splay

A fan-shaped deposit or other outspread deposit formed where an overloaded stream breaks through a levee (natural or artificial) and deposits its material (commonly coarse grained) on the flood plain.

Flood-plain step

An essentially flat, terrace-like alluvial surface within a valley that is frequently covered by floodwater from the present stream; any approximately horizontal surface still actively modified by fluvial scour and/or deposition. May occur individually or as a series of steps.

Fluvial

Of or pertaining to rivers or streams; produced by stream or river action.

Foothills

A region of steeply sloping hills that fringes a mountain range or high-plateau escarpment. The hills have relief of as much as 1,000 feet (300 meters).

Footslope

The concave surface at the base of a hillslope. A footslope is a transition zone between upslope sites of erosion and transport (shoulders and backslopes) and downslope sites of deposition (toeslopes).

Forb

Any herbaceous plant not a grass or a sedge.

Forest cover

All trees and other woody plants (underbrush) covering the ground in a forest.

Forest type

A stand of trees similar in composition and development because of given physical and biological factors by which it may be differentiated from other stands.

Fragipan

A loamy, brittle subsurface horizon low in porosity and content of organic matter and low or moderate in clay but high in silt or very fine sand. A fragipan appears cemented and restricts roots. When dry, it is hard or very hard and has a higher bulk density than the horizon or horizons above. When moist, it tends to rupture suddenly under pressure rather than to deform slowly.

Genesis, soil

The mode of origin of the soil. Refers especially to the processes or soil-forming factors responsible for the formation of the solum, or true soil, from the unconsolidated parent material.

Gilgai

Commonly, a succession of microbasins and microknolls in nearly level areas or of microvalleys and microridges parallel with the slope. Typically, the microrelief of clayey soils that shrink and swell considerably with changes in moisture content.

Glaciofluvial deposits

Material moved by glaciers and subsequently sorted and deposited by streams flowing from the melting ice. The deposits are stratified and occur in the form of outwash plains, valley trains, deltas, kames, eskers, and kame terraces.

Glaciolacustrine deposits

Material ranging from fine clay to sand derived from glaciers and deposited in glacial lakes mainly by glacial meltwater. Many deposits are bedded or laminated.

Gleyed soil

Soil that formed under poor drainage, resulting in the reduction of iron and other elements in the profile and in gray colors.

Graded stripcropping

Growing crops in strips that grade toward a protected waterway.

Grassed waterway

A natural or constructed waterway, typically broad and shallow, seeded to grass as protection against erosion. Conducts surface water away from cropland.

Gravel

Rounded or angular fragments of rock as much as 3 inches (2 millimeters to 7.6 centimeters) in diameter. An individual piece is a pebble.

Gravel pit (map symbol)

An open excavation from which soil and underlying material have been removed and used, without crushing, as a source of sand or gravel.

Gravelly soil material

Material that has 15 to 35 percent, by volume, rounded or angular rock fragments, not prominently flattened, as much as 3 inches (7.6 centimeters) in diameter.

Gravelly spot (map symbol)

A spot where the surface layer has more than 35 percent, by volume, rock fragments that are mostly less than 3 inches in diameter in an area that has less than 15 percent rock fragments.

Green manure crop (agronomy)

A soil-improving crop grown to be plowed under in an early stage of maturity or soon after maturity.

Ground water

Water filling all the unblocked pores of the material below the water table.

Gully (map symbol)

A small, steep-sided channel caused by erosion and cut in unconsolidated materials by concentrated but intermittent flow of water. The distinction between a gully and a rill is one of depth. A gully generally is an obstacle to farm machinery and is too deep to be obliterated by ordinary tillage whereas a rill is of lesser depth and can be smoothed over by ordinary tillage.

Hard bedrock

Bedrock that cannot be excavated except by blasting or by the use of special equipment that is not commonly used in construction.

Hard to reclaim

Reclamation is difficult after the removal of soil for construction and other uses. Revegetation and erosion control are extremely difficult.

Hardpan

A hardened or cemented soil horizon, or layer. The soil material is sandy, loamy, or clayey and is cemented by iron oxide, silica, calcium carbonate, or other substance.

Head slope (geomorphology)

A geomorphic component of hills consisting of a laterally concave area of a hillside, especially at the head of a drainageway. The overland waterflow is converging.

Hemic soil material (mucky peat)

Organic soil material intermediate in degree of decomposition between the less decomposed fibric material and the more decomposed sapric material.

High-residue crops

Such crops as small grain and corn used for grain. If properly managed, residue from these crops can be used to control erosion until the next crop in the rotation is established. These crops return large amounts of organic matter to the soil.

Hill

A generic term for an elevated area of the land surface, rising as much as 1,000 feet above surrounding lowlands, commonly of limited summit area and having a well defined outline. Slopes are generally more than 15 percent. The distinction between a hill and a mountain is arbitrary and may depend on local usage.

Hillslope

A generic term for the steeper part of a hill between its summit and the drainage line, valley flat, or depression floor at the base of a hill.

Horizon, soil

A layer of soil, approximately parallel to the surface, having distinct characteristics produced by soil-forming processes. In the identification of soil horizons, an uppercase letter represents the major horizons. Numbers or lowercase letters that follow represent subdivisions of the major horizons. An explanation of the subdivisions is given in the “Soil Survey Manual.” The major horizons of mineral soil are as follows:

O horizon: An organic layer of fresh and decaying plant residue.

L horizon: A layer of organic and mineral limnic materials, including coprogenous earth (sedimentary peat), diatomaceous earth, and marl.

A horizon: The mineral horizon at or near the surface in which an accumulation of humified organic matter is mixed with the mineral material. Also, a plowed surface horizon, most of which was originally part of a B horizon.

E horizon: The mineral horizon in which the main feature is loss of silicate clay, iron, aluminum, or some combination of these.

B horizon: The mineral horizon below an A horizon. The B horizon is in part a layer of transition from the overlying A to the underlying C horizon. The B horizon also has distinctive characteristics, such as (1) accumulation of clay, sesquioxides, humus, or a combination of these; (2) prismatic or blocky structure; (3) redder or browner colors than those in the A horizon; or (4) a combination of these.

C horizon: The mineral horizon or layer, excluding indurated bedrock, that is little affected by soil-forming processes and does not have the properties typical of the overlying soil material. The material of a C horizon may be either like or unlike that in which the solum formed. If the material is known to differ from that in the solum, an Arabic numeral, commonly a 2, precedes the letter C.

Cr horizon: Soft, consolidated bedrock beneath the soil.

R layer: Consolidated bedrock beneath the soil. The bedrock commonly underlies a C horizon, but it can be directly below an A or a B horizon.

M layer: A root-limiting subsoil layer consisting of nearly continuous, horizontally oriented, human-manufactured materials.

W layer: A layer of water within or beneath the soil.

Humus

The well decomposed, more or less stable part of the organic matter in mineral soils.

Hydrologic soil groups

Refers to soils grouped according to their runoff potential. The soil properties that influence this potential are those that affect the minimum rate of water infiltration on a bare soil during periods after prolonged wetting when the soil is not frozen. These properties include depth to a seasonal high water table, the infiltration rate, and depth to a layer that significantly restricts the downward movement of water. The slope and the kind of plant cover are not considered but are separate factors in predicting runoff.

Igneous rock

Rock that was formed by cooling and solidification of magma and that has not been changed appreciably by weathering since its formation. Major varieties include plutonic and volcanic rock (e.g., andesite, basalt, and granite).

Illuviation

The movement of soil material from one horizon to another in the soil profile. Generally, material is removed from an upper horizon and deposited in a lower horizon.

Impervious soil

A soil through which water, air, or roots penetrate slowly or not at all. No soil is absolutely impervious to air and water all the time.

Increasers

Species in the climax vegetation that increase in amount as the more desirable plants are reduced by close grazing. Increasers commonly are the shorter plants and the less palatable to livestock.

Infiltration

The downward entry of water into the immediate surface of soil or other material, as contrasted with percolation, which is movement of water through soil layers or material.

Infiltration capacity

The maximum rate at which water can infiltrate into a soil under a given set of conditions.

Infiltration rate

The rate at which water penetrates the surface of the soil at any given instant, usually expressed in inches per hour. The rate can be limited by the infiltration capacity of the soil or the rate at which water is applied at the surface.

Intake rate

The average rate of water entering the soil under irrigation. Most soils have a fast initial rate; the rate decreases with application time. Therefore, intake rate for design purposes is not a constant but is a variable depending on the net irrigation application. The rate of water intake, in inches per hour, is expressed as follows:

Very low: Less than 0.2
Low: 0.2 to 0.4
Moderately low: 0.4 to 0.75
Moderate: 0.75 to 1.25
Moderately high: 1.25 to 1.75
High: 1.75 to 2.5
Very high: More than 2.5

Interfluve

A landform composed of the relatively undissected upland or ridge between two adjacent valleys containing streams flowing in the same general direction. An elevated area between two drainageways that sheds water to those drainageways.

Interfluve (geomorphology)

A geomorphic component of hills consisting of the uppermost, comparatively level or gently sloping area of a hill; shoulders of backwearing hillslopes can narrow the upland or can merge, resulting in a strongly convex shape.

Intermittent stream

A stream, or reach of a stream, that does not flow year-round but that is commonly dry for 3 or more months out of 12 and whose channel is generally below the local water table. It flows only during wet periods or when it receives ground-water discharge or long, continued contributions from melting snow or other surface and shallow subsurface sources.

Invaders

On range, plants that encroach into an area and grow after the climax vegetation has been reduced by grazing. Generally, plants invade following disturbance of the surface.

Iron depletions

See Redoximorphic features.

Irrigation

Application of water to soils to assist in production of crops. Methods of irrigation are:

Basin: Water is applied rapidly to nearly level plains surrounded by levees or dikes.

Border: Water is applied at the upper end of a strip in which the lateral flow of water is controlled by small earth ridges called border dikes, or borders.

Controlled flooding: Water is released at intervals from closely spaced field ditches and distributed uniformly over the field.

Corrugation: Water is applied to small, closely spaced furrows or ditches in fields of close-growing crops or in orchards so that it flows in only one direction.

Drip (or trickle): Water is applied slowly and under low pressure to the surface of the soil or into the soil through such applicators as emitters, porous tubing, or perforated pipe.

Furrow: Water is applied in small ditches made by cultivation implements. Furrows are used for tree and row crops.

Sprinkler: Water is sprayed over the soil surface through pipes or nozzles from a pressure system.

Subirrigation: Water is applied in open ditches or tile lines until the water table is raised enough to wet the soil.

Wild flooding: Water, released at high points, is allowed to flow onto an area without controlled distribution.

Kame

A low mound, knob, hummock, or short irregular ridge composed of stratified sand and gravel deposited by a subglacial stream as a fan or delta at the margin of a melting glacier; by a supraglacial stream in a low place or hole on the surface of the glacier; or as a ponded deposit on the surface or at the margin of stagnant ice.

Karst (topography)

A kind of topography that formed in limestone, gypsum, or other soluble rocks by dissolution and that is characterized by closed depressions, sinkholes, caves, and underground drainage.

Knoll

A small, low, rounded hill rising above adjacent landforms.

Ksat

See Saturated hydraulic conductivity.

Lacustrine deposit

Material deposited in lake water and exposed when the water level is lowered or the elevation of the land is raised.

Lake plain

A nearly level surface marking the floor of an extinct lake filled by well sorted, generally fine textured, stratified deposits, commonly containing varves.

Lake terrace

A narrow shelf, partly cut and partly built, produced along a lakeshore in front of a scarp line of low cliffs and later exposed when the water level falls.

Landfill (map symbol)

An area of accumulated waste products of human habitation, either above or below natural ground level.

Landslide

A general, encompassing term for most types of mass movement landforms and processes involving the downslope transport and outward deposition of soil and rock materials caused by gravitational forces; the movement may or may not involve saturated materials. The speed and distance of movement, as well as the amount of soil and rock material, vary greatly.

Large stones

Rock fragments 3 inches (7.6 centimeters) or more across. Large stones adversely affect the specified use of the soil.

Lava flow (map symbol)

A solidified, commonly lobate body of rock formed through lateral, surface outpouring of molten lava from a vent or fissure.

Leaching

The removal of soluble material from soil or other material by percolating water.

Levee (map symbol)

An embankment that confines or controls water, especially one built along the banks of a river to prevent overflow onto lowlands.

Linear extensibility

Refers to the change in length of an unconfined clod as moisture content is decreased from a moist to a dry state. Linear extensibility is used to determine the shrink-swell potential of soils. It is an expression of the volume change between the water content of the clod at $^{1}/_{3}$- or $^{1}/_{10}$-bar tension (33kPa or 10kPa tension) and oven dryness. Volume change is influenced by the amount and type of clay minerals in the soil. The volume change is the percent change for the whole soil. If it is expressed as a fraction, the resulting value is COLE, coefficient of linear extensibility.

Liquid limit

The moisture content at which the soil passes from a plastic to a liquid state.

Loam

Soil material that is 7 to 27 percent clay particles, 28 to 50 percent silt particles, and less than 52 percent sand particles.

Loess

Material transported and deposited by wind and consisting dominantly of silt-sized particles.

Low strength

The soil is not strong enough to support loads.

Low-residue crops

Such crops as corn used for silage, peas, beans, and potatoes. Residue from these crops is not adequate to control erosion until the next crop in the rotation is established. These crops return little organic matter to the soil.

Marl

An earthy, unconsolidated deposit consisting chiefly of calcium carbonate mixed with clay in approximately equal proportions; formed primarily under freshwater lacustrine conditions but also formed in more saline environments.

Marsh or swamp (map symbol)

A water-saturated, very poorly drained area that is intermittently or permanently covered by water. Sedges, cattails, and rushes are the dominant vegetation in marshes, and trees or shrubs are the dominant vegetation in swamps. Not used in map units where the named soils are poorly drained or very poorly drained.

Mass movement

A generic term for the dislodgment and downslope transport of soil and rock material as a unit under direct gravitational stress.

Masses

See Redoximorphic features.

Meander belt

The zone within which migration of a meandering channel occurs; the flood-plain area included between two imaginary lines drawn tangential to the outer bends of active channel loops.

Meander scar

A crescent-shaped, concave or linear mark on the face of a bluff or valley wall, produced by the lateral erosion of a meandering stream that impinged upon and undercut the bluff.

Meander scroll

One of a series of long, parallel, close-fitting, crescent-shaped ridges and troughs formed along the inner bank of a stream meander as the channel migrated laterally down-valley and toward the outer bank.

Mechanical treatment

Use of mechanical equipment for seeding, brush management, and other management practices.

Medium textured soil

Very fine sandy loam, loam, silt loam, or silt.

Mesa

A broad, nearly flat topped and commonly isolated landmass bounded by steep slopes or precipitous cliffs and capped by layers of resistant, nearly horizontal rocky material. The summit width is characteristically greater than the height of the bounding escarpments.

Metamorphic rock

Rock of any origin altered in mineralogical composition, chemical composition, or structure by heat, pressure, and movement at depth in the earth’s crust. Nearly all such rocks are crystalline.

Mine or quarry (map symbol)

An open excavation from which soil and underlying material have been removed and in which bedrock is exposed. Also denotes surface openings to underground mines.

Mine spoil

An accumulation of displaced earthy material, rock, or other waste material removed during mining or excavation. Also called earthy fill.

Mineral soil

Soil that is mainly mineral material and low in organic material. Its bulk density is more than that of organic soil.

Minimum tillage

Only the tillage essential to crop production and prevention of soil damage.

Miscellaneous area

A kind of map unit that has little or no natural soil and supports little or no vegetation.

Miscellaneous water (map symbol)

Small, constructed bodies of water that are used for industrial, sanitary, or mining applications and that contain water most of the year.

Moderately coarse textured soil

Coarse sandy loam, sandy loam, or fine sandy loam.

Moderately fine textured soil

Clay loam, sandy clay loam, or silty clay loam.

Mollic epipedon

A thick, dark, humus-rich surface horizon (or horizons) that has high base saturation and pedogenic soil structure. It may include the upper part of the subsoil.

Moraine

In terms of glacial geology, a mound, ridge, or other topographically distinct accumulation of unsorted, unstratified drift, predominantly till, deposited primarily by the direct action of glacial ice in a variety of landforms. Also, a general term for a landform composed mainly of till (except for kame moraines, which are composed mainly of stratified outwash) that has been deposited by a glacier. Some types of moraines are disintegration, end, ground, kame, lateral, recessional, and terminal.

Morphology, soil

The physical makeup of the soil, including the texture, structure, porosity, consistence, color, and other physical, mineral, and biological properties of the various horizons, and the thickness and arrangement of those horizons in the soil profile.

Mottling, soil

Irregular spots of different colors that vary in number and size. Descriptive terms are as follows: abundance—*few, common,* and *many;* size—*fine, medium,* and *coarse;* and contrast—*faint, distinct,* and *prominent*. The size measurements are of the diameter along the greatest dimension. *Fine* indicates less than 5 millimeters (about 0.2 inch); *medium,* from 5 to 15 millimeters (about 0.2 to 0.6 inch); and *coarse,* more than 15 millimeters (about 0.6 inch).

Mountain

A generic term for an elevated area of the land surface, rising more than 1,000 feet (300 meters) above surrounding lowlands, commonly of restricted summit area (relative to a plateau) and generally having steep sides. A mountain can

occur as a single, isolated mass or in a group forming a chain or range. Mountains are formed primarily by tectonic activity and/or volcanic action but can also be formed by differential erosion.

Muck

Dark, finely divided, well decomposed organic soil material. (See Sapric soil material.)

Mucky peat

See Hemic soil material.

Mudstone

A blocky or massive, fine grained sedimentary rock in which the proportions of clay and silt are approximately equal. Also, a general term for such material as clay, silt, claystone, siltstone, shale, and argillite and that should be used only when the amounts of clay and silt are not known or cannot be precisely identified.

Munsell notation

A designation of color by degrees of three simple variables—hue, value, and chroma. For example, a notation of 10YR 6/4 is a color with hue of 10YR, value of 6, and chroma of 4.

Natric horizon

A special kind of argillic horizon that contains enough exchangeable sodium to have an adverse effect on the physical condition of the subsoil.

Neutral soil

A soil having a pH value of 6.6 to 7.3. (See Reaction, soil.)

Nodules

See Redoximorphic features.

Nose slope (geomorphology)

A geomorphic component of hills consisting of the projecting end (laterally convex area) of a hillside. The overland waterflow is predominantly divergent. Nose slopes consist dominantly of colluvium and slope-wash sediments (for example, slope alluvium).

Nutrient, plant

Any element taken in by a plant essential to its growth. Plant nutrients are mainly nitrogen, phosphorus, potassium, calcium, magnesium, sulfur, iron, manganese, copper, boron, and zinc obtained from the soil and carbon, hydrogen, and oxygen obtained from the air and water.

Organic matter

Plant and animal residue in the soil in various stages of decomposition. The content of organic matter in the surface layer is described as follows:

Very low: Less than 0.5 percent
Low: 0.5 to 1.0 percent
Moderately low: 1.0 to 2.0 percent
Moderate: 2.0 to 4.0 percent
High: 4.0 to 8.0 percent
Very high: More than 8.0 percent

Outwash

Stratified and sorted sediments (chiefly sand and gravel) removed or “washed out” from a glacier by meltwater streams and deposited in front of or beyond the end moraine or the margin of a glacier. The coarser material is deposited nearer to the ice.

Outwash plain

An extensive lowland area of coarse textured glaciofluvial material. An outwash plain is commonly smooth; where pitted, it generally is low in relief.

Paleoterrace

An erosional remnant of a terrace that retains the surface form and alluvial deposits of its origin but was not emplaced by, and commonly does not grade to, a present-day stream or drainage network.

Pan

A compact, dense layer in a soil that impedes the movement of water and the growth of roots. For example, *hardpan, fragipan, claypan, plowpan,* and *traffic pan*.

Parent material

The unconsolidated organic and mineral material in which soil forms.

Peat

Unconsolidated material, largely undecomposed organic matter, that has accumulated under excess moisture. (See Fibric soil material.)

Ped

An individual natural soil aggregate, such as a granule, a prism, or a block.

Pedisediment

A layer of sediment, eroded from the shoulder and backslope of an erosional slope, that lies on and is being (or was) transported across a gently sloping erosional surface at the foot of a receding hill or mountain slope.

Pedon

The smallest volume that can be called “a soil.” A pedon is three dimensional and large enough to permit study of all horizons. Its area ranges from about 10 to 100 square feet (1 square meter to 10 square meters), depending on the variability of the soil.

Percolation

The movement of water through the soil.

Perennial water (map symbol)

Small, natural or constructed lakes, ponds, or pits that contain water most of the year.

Permafrost

Ground, soil, or rock that remains at or below 0 degrees C for at least 2 years. It is defined on the basis of temperature and is not necessarily frozen.

pH value

A numerical designation of acidity and alkalinity in soil. (See Reaction, soil.)

Phase, soil

A subdivision of a soil series based on features that affect its use and management, such as slope, stoniness, and flooding.

Piping

Formation of subsurface tunnels or pipelike cavities by water moving through the soil.

Pitting

Pits caused by melting around ice. They form on the soil after plant cover is removed.

Plastic limit

The moisture content at which a soil changes from semisolid to plastic.

Plasticity index

The numerical difference between the liquid limit and the plastic limit; the range of moisture content within which the soil remains plastic.

Plateau (geomorphology)

A comparatively flat area of great extent and elevation; specifically, an extensive land region that is considerably elevated (more than 100 meters) above the adjacent lower lying terrain, is commonly limited on at least one side by an abrupt descent, and has a flat or nearly level surface. A comparatively large part of a plateau surface is near summit level.

Playa

The generally dry and nearly level lake plain that occupies the lowest parts of closed depressions, such as those on intermontane basin floors. Temporary flooding occurs primarily in response to precipitation and runoff. Playa deposits are fine grained and may or may not have a high water table and saline conditions.

Plinthite

The sesquioxide-rich, humus-poor, highly weathered mixture of clay with quartz and other diluents. It commonly appears as red mottles, usually in platy, polygonal, or reticulate patterns. Plinthite changes irreversibly to an ironstone hardpan or to irregular aggregates on repeated wetting and drying, especially if it is exposed also to heat from the sun. In a moist soil, plinthite can be cut with a spade. It is a form of laterite.

Plowpan

A compacted layer formed in the soil directly below the plowed layer.

Ponding

Standing water on soils in closed depressions. Unless the soils are artificially drained, the water can be removed only by percolation or evapotranspiration.

Poorly graded

Refers to a coarse grained soil or soil material consisting mainly of particles of nearly the same size. Because there is little difference in size of the particles, density can be increased only slightly by compaction.

Pore linings

See Redoximorphic features.

Potential native plant community

See Climax plant community.

Potential rooting depth (effective rooting depth)

Depth to which roots could penetrate if the content of moisture in the soil were adequate. The soil has no properties restricting the penetration of roots to this depth.

Prescribed burning

Deliberately burning an area for specific management purposes, under the appropriate conditions of weather and soil moisture and at the proper time of day.

Productivity, soil

The capability of a soil for producing a specified plant or sequence of plants under specific management.

Profile, soil

A vertical section of the soil extending through all its horizons and into the parent material.

Proper grazing use

Grazing at an intensity that maintains enough cover to protect the soil and maintain or improve the quantity and quality of the desirable vegetation. This practice increases the vigor and reproduction capacity of the key plants and

promotes the accumulation of litter and mulch necessary to conserve soil and water.

Rangeland

Land on which the potential natural vegetation is predominantly grasses, grasslike plants, forbs, or shrubs suitable for grazing or browsing. It includes natural grasslands, savannas, many wetlands, some deserts, tundras, and areas that support certain forb and shrub communities.

Reaction, soil

A measure of acidity or alkalinity of a soil, expressed as pH values. A soil that tests to pH 7.0 is described as precisely neutral in reaction because it is neither acid nor alkaline. The degrees of acidity or alkalinity, expressed as pH values, are:

Ultra acid: Less than 3.5
Extremely acid: 3.5 to 4.4
Very strongly acid: 4.5 to 5.0
Strongly acid: 5.1 to 5.5
Moderately acid: 5.6 to 6.0
Slightly acid: 6.1 to 6.5
Neutral: 6.6 to 7.3
Slightly alkaline: 7.4 to 7.8
Moderately alkaline: 7.9 to 8.4
Strongly alkaline: 8.5 to 9.0
Very strongly alkaline: 9.1 and higher

Red beds

Sedimentary strata that are mainly red and are made up largely of sandstone and shale.

Redoximorphic concentrations

See Redoximorphic features.

Redoximorphic depletions

See Redoximorphic features.

Redoximorphic features

Redoximorphic features are associated with wetness and result from alternating periods of reduction and oxidation of iron and manganese compounds in the soil. Reduction occurs during saturation with water, and oxidation occurs when the soil is not saturated. Characteristic color patterns are created by these processes. The reduced iron and manganese ions may be removed from a soil if vertical or lateral fluxes of water occur, in which case there is no iron or manganese precipitation in that soil. Wherever the iron and manganese are oxidized and precipitated, they form either soft masses or hard concretions or nodules. Movement of iron and manganese as a result of redoximorphic processes in a soil may result in redoximorphic features that are defined as follows:

1. Redoximorphic concentrations.—These are zones of apparent accumulation of iron-manganese oxides, including:
   A. Nodules and concretions, which are cemented bodies that can be removed from the soil intact. Concretions are distinguished from nodules on the basis of internal organization. A concretion typically has concentric layers that are visible to the naked eye. Nodules do not have visible organized internal structure; *and*
   B. Masses, which are noncemented concentrations of substances within the soil matrix; *and*
   C. Pore linings, i.e., zones of accumulation along pores that may be either coatings on pore surfaces or impregnations from the matrix adjacent to the pores.
2. Redoximorphic depletions.—These are zones of low chroma (chromas less than those in the matrix) where either iron-manganese oxides alone or both iron-manganese oxides and clay have been stripped out, including:
   A. Iron depletions, i.e., zones that contain low amounts of iron and manganese oxides but have a clay content similar to that of the adjacent matrix; *and*
   B. Clay depletions, i.e., zones that contain low amounts of iron, manganese, and clay (often referred to as silt coatings or skeletans).
3. Reduced matrix.—This is a soil matrix that has low chroma *in situ* but undergoes a change in hue or chroma within 30 minutes after the soil material has been exposed to air.

Reduced matrix

See Redoximorphic features.

Regolith

All unconsolidated earth materials above the solid bedrock. It includes material weathered in place from all kinds of bedrock and alluvial, glacial, eolian, lacustrine, and pyroclastic deposits.

Relief

The relative difference in elevation between the upland summits and the lowlands or valleys of a given region.

Residuum (residual soil material)

Unconsolidated, weathered or partly weathered mineral material that accumulated as bedrock disintegrated in place.

Rill

A very small, steep-sided channel resulting from erosion and cut in unconsolidated materials by concentrated but intermittent flow of water. A rill generally is not an obstacle to wheeled vehicles and is shallow enough to be smoothed over by ordinary tillage.

Riser

The vertical or steep side slope (e.g., escarpment) of terraces, flood-plain steps, or other stepped landforms; commonly a recurring part of a series of natural, steplike landforms, such as successive stream terraces.

Road cut

A sloping surface produced by mechanical means during road construction. It is commonly on the uphill side of the road.

Rock fragments

Rock or mineral fragments having a diameter of 2 millimeters or more; for example, pebbles, cobbles, stones, and boulders.

Rock outcrop (map symbol)

An exposure of bedrock at the surface of the earth. Not used where the named soils of the surrounding map unit are shallow over bedrock or where “Rock outcrop” is a named component of the map unit.

Root zone

The part of the soil that can be penetrated by plant roots.

Runoff

The precipitation discharged into stream channels from an area. The water that flows off the surface of the land without sinking into the soil is called surface runoff. Water that enters the soil before reaching surface streams is called ground-water runoff or seepage flow from ground water.

Saline soil

A soil containing soluble salts in an amount that impairs growth of plants. A saline soil does not contain excess exchangeable sodium.

Saline spot (map symbol)

An area where the surface layer has an electrical conductivity of 8 mmhos/cm more than the surface layer of the named soils in the surrounding map unit. The surface layer of the surrounding soils has an electrical conductivity of 2 mmhos/cm or less.

Sand

As a soil separate, individual rock or mineral fragments from 0.05 millimeter to 2.0 millimeters in diameter. Most sand grains consist of quartz. As a soil textural class, a soil that is 85 percent or more sand and not more than 10 percent clay.

Sandstone

Sedimentary rock containing dominantly sand-sized particles.

Sandy spot (map symbol)

A spot where the surface layer is loamy fine sand or coarser in areas where the surface layer of the named soils in the surrounding map unit is very fine sandy loam or finer.

Sapric soil material (muck)

The most highly decomposed of all organic soil material. Muck has the least amount of plant fiber, the highest bulk density, and the lowest water content at saturation of all organic soil material.

Saturated hydraulic conductivity (Ksat)

The ease with which pores of a saturated soil transmit water. Formally, the proportionality coefficient that expresses the relationship of the rate of water movement to hydraulic gradient in Darcy's Law, a law that describes the rate of water movement through porous media. Commonly abbreviated as "Ksat." Terms describing saturated hydraulic conductivity are:

Very high: 100 or more micrometers per second (14.17 or more inches per hour)

High: 10 to 100 micrometers per second (1.417 to 14.17 inches per hour)

Moderately high: 1 to 10 micrometers per second (0.1417 inch to 1.417 inches per hour)

Moderately low: 0.1 to 1 micrometer per second (0.01417 to 0.1417 inch per hour)

Low: 0.01 to 0.1 micrometer per second (0.001417 to 0.01417 inch per hour)

Very low: Less than 0.01 micrometer per second (less than 0.001417 inch per hour).

To convert inches per hour to micrometers per second, multiply inches per hour by 7.0572. To convert micrometers per second to inches per hour, multiply micrometers per second by 0.1417.

Saturation

Wetness characterized by zero or positive pressure of the soil water. Under conditions of saturation, the water will flow from the soil matrix into an unlined auger hole.

Scarification

The act of abrading, scratching, loosening, crushing, or modifying the surface to increase water absorption or to provide a more tillable soil.

Sedimentary rock

A consolidated deposit of clastic particles, chemical precipitates, or organic remains accumulated at or near the surface of the earth under normal low temperature and pressure conditions. Sedimentary rocks include consolidated equivalents of alluvium, colluvium, drift, and eolian, lacustrine, and marine deposits. Examples are sandstone, siltstone, mudstone, claystone, shale, conglomerate, limestone, dolomite, and coal.

Sequum

A sequence consisting of an illuvial horizon and the overlying eluvial horizon. (See Eluviation.)

Series, soil

A group of soils that have profiles that are almost alike, except for differences in texture of the surface layer. All the soils of a series have horizons that are similar in composition, thickness, and arrangement.

Severely eroded spot (map symbol)

An area where, on the average, 75 percent or more of the original surface layer has been lost because of accelerated erosion. Not used in map units in which “severely eroded,” “very severely eroded,” or “gullied” is part of the map unit name.

Shale

Sedimentary rock that formed by the hardening of a deposit of clay, silty clay, or silty clay loam and that has a tendency to split into thin layers.

Sheet erosion

The removal of a fairly uniform layer of soil material from the land surface by the action of rainfall and surface runoff.

Short, steep slope (map symbol)

A narrow area of soil having slopes that are at least two slope classes steeper than the slope class of the surrounding map unit.

Shoulder

The convex, erosional surface near the top of a hillslope. A shoulder is a transition from summit to backslope.

Shrink-swell

The shrinking of soil when dry and the swelling when wet. Shrinking and swelling can damage roads, dams, building foundations, and other structures. It can also damage plant roots.

Shrub-coppice dune

A small, streamlined dune that forms around brush and clump vegetation.

Side slope (geomorphology)

A geomorphic component of hills consisting of a laterally planar area of a hillside. The overland waterflow is predominantly parallel. Side slopes are dominantly colluvium and slope-wash sediments.

Silica

A combination of silicon and oxygen. The mineral form is called quartz.

Silica-sesquioxide ratio

The ratio of the number of molecules of silica to the number of molecules of alumina and iron oxide. The more highly weathered soils or their clay fractions in warm-temperate, humid regions, and especially those in the tropics, generally have a low ratio.

Silt

As a soil separate, individual mineral particles that range in diameter from the upper limit of clay (0.002 millimeter) to the lower limit of very fine sand (0.05 millimeter). As a soil textural class, soil that is 80 percent or more silt and less than 12 percent clay.

Siltstone

An indurated silt having the texture and composition of shale but lacking its fine lamination or fissility; a massive mudstone in which silt predominates over clay.

Similar soils

Soils that share limits of diagnostic criteria, behave and perform in a similar manner, and have similar conservation needs or management requirements for the major land uses in the survey area.

Sinkhole (map symbol)

A closed, circular or elliptical depression, commonly funnel shaped, characterized by subsurface drainage and formed either by dissolution of the surface of underlying bedrock (e.g., limestone, gypsum, or salt) or by collapse of underlying caves within bedrock. Complexes of sinkholes in carbonate-rock terrain are the main components of karst topography.

Site index

A designation of the quality of a forest site based on the height of the dominant stand at an arbitrarily chosen age. For example, if the average height attained by dominant and codominant trees in a fully stocked stand at the age of 50 years is 75 feet, the site index is 75.

Slickensides (pedogenic)

Grooved, striated, and/or glossy (shiny) slip faces on structural peds, such as wedges; produced by shrink-swell processes, most commonly in soils that have a high content of expansive clays.

Slide or slip (map symbol)

A prominent landform scar or ridge caused by fairly recent mass movement or descent of earthy material resulting from failure of earth or rock under shear stress along one or several surfaces.

Slope

The inclination of the land surface from the horizontal. Percentage of slope is the vertical distance divided by horizontal distance, then multiplied by 100. Thus, a slope of 20 percent is a drop of 20 feet in 100 feet of horizontal distance.

Slope alluvium

Sediment gradually transported down the slopes of mountains or hills primarily by nonchannel alluvial processes (i.e., slope-wash processes) and characterized by particle sorting. Lateral particle sorting is evident on long slopes. In a profile sequence, sediments may be distinguished by differences in size and/or specific gravity of rock fragments and may be separated by stone lines. Burnished peds and sorting of rounded or subrounded pebbles or cobbles distinguish these materials from unsorted colluvial deposits.

Slow refill

The slow filling of ponds, resulting from restricted water transmission in the soil.

Slow water movement

Restricted downward movement of water through the soil. See Saturated hydraulic conductivity.

Sodic (alkali) soil

A soil having so high a degree of alkalinity (pH 8.5 or higher) or so high a percentage of exchangeable sodium (15 percent or more of the total exchangeable bases), or both, that plant growth is restricted.

Sodic spot (map symbol)

An area where the surface layer has a sodium adsorption ratio that is at least 10 more than that of the surface layer of the named soils in the surrounding map unit. The surface layer of the surrounding soils has a sodium adsorption ratio of 5 or less.

Sodicity

The degree to which a soil is affected by exchangeable sodium. Sodicity is expressed as a sodium adsorption ratio (SAR) of a saturation extract, or the ratio of Na^{+} to $Ca^{++} + Mg^{++}$. The degrees of sodicity and their respective ratios are:

Slight: Less than 13:1
Moderate: 13-30:1
Strong: More than 30:1

Sodium adsorption ratio (SAR)

A measure of the amount of sodium (Na) relative to calcium (Ca) and magnesium (Mg) in the water extract from saturated soil paste. It is the ratio of the Na concentration divided by the square root of one-half of the Ca + Mg concentration.

Soft bedrock

Bedrock that can be excavated with trenching machines, backhoes, small rippers, and other equipment commonly used in construction.

Soil

A natural, three-dimensional body at the earth's surface. It is capable of supporting plants and has properties resulting from the integrated effect of climate and living matter acting on earthy parent material, as conditioned by relief and by the passage of time.

Soil separates

Mineral particles less than 2 millimeters in equivalent diameter and ranging between specified size limits. The names and sizes, in millimeters, of separates recognized in the United States are as follows:

Very coarse sand: 2.0 to 1.0
Coarse sand: 1.0 to 0.5
Medium sand: 0.5 to 0.25
Fine sand: 0.25 to 0.10
Very fine sand: 0.10 to 0.05
Silt: 0.05 to 0.002
Clay: Less than 0.002

Solum

The upper part of a soil profile, above the C horizon, in which the processes of soil formation are active. The solum in soil consists of the A, E, and B horizons. Generally, the characteristics of the material in these horizons are unlike those of the material below the solum. The living roots and plant and animal activities are largely confined to the solum.

Spoil area (map symbol)

A pile of earthy materials, either smoothed or uneven, resulting from human activity.

Stone line

In a vertical cross section, a line formed by scattered fragments or a discrete layer of angular and subangular rock fragments (commonly a gravel- or cobble-sized lag concentration) that formerly was draped across a topographic surface and was later buried by additional sediments. A stone line generally caps material that was subject to weathering, soil formation, and erosion before burial. Many stone lines seem to be buried erosion pavements, originally formed by sheet and rill erosion across the land surface.

Stones

Rock fragments 10 to 24 inches (25 to 60 centimeters) in diameter if rounded or 15 to 24 inches (38 to 60 centimeters) in length if flat.

Stony

Refers to a soil containing stones in numbers that interfere with or prevent tillage.

Stony spot (map symbol)

A spot where 0.01 to 0.1 percent of the soil surface is covered by rock fragments that are more than 10 inches in diameter in areas where the surrounding soil has no surface stones.

Strath terrace

A type of stream terrace; formed as an erosional surface cut on bedrock and thinly mantled with stream deposits (alluvium).

Stream terrace

One of a series of platforms in a stream valley, flanking and more or less parallel to the stream channel, originally formed near the level of the stream; represents the remnants of an abandoned flood plain, stream bed, or valley floor produced during a former state of fluvial erosion or deposition.

Stripcropping

Growing crops in a systematic arrangement of strips or bands that provide vegetative barriers to wind erosion and water erosion.

Structure, soil

The arrangement of primary soil particles into compound particles or aggregates. The principal forms of soil structure are:

Platy: Flat and laminated

Prismatic: Vertically elongated and having flat tops

Columnar: Vertically elongated and having rounded tops

Angular blocky: Having faces that intersect at sharp angles (planes)

Subangular blocky: Having subrounded and planar faces (no sharp angles)

Granular: Small structural units with curved or very irregular faces

Structureless soil horizons are defined as follows:

Single grained: Entirely noncoherent (each grain by itself), as in loose sand

Massive: Occurring as a coherent mass

Stubble mulch

Stubble or other crop residue left on the soil or partly worked into the soil. It protects the soil from wind erosion and water erosion after harvest, during preparation of a seedbed for the next crop, and during the early growing period of the new crop.

Subsoil

Technically, the B horizon; roughly, the part of the solum below plow depth.

Subsoiling

Tilling a soil below normal plow depth, ordinarily to shatter a hardpan or claypan.

Substratum

The part of the soil below the solum.

Subsurface layer

Any surface soil horizon (A, E, AB, or EB) below the surface layer.

Summer fallow

The tillage of uncropped land during the summer to control weeds and allow storage of moisture in the soil for the growth of a later crop. A practice common in semiarid regions, where annual precipitation is not enough to produce a crop every year. Summer fallow is frequently practiced before planting winter grain.

Summit

The topographically highest position of a hillslope. It has a nearly level (planar or only slightly convex) surface.

Surface layer

The soil ordinarily moved in tillage, or its equivalent in uncultivated soil, ranging in depth from 4 to 10 inches (10 to 25 centimeters). Frequently designated as the “plow layer,” or the “Ap horizon.”

Surface soil

The A, E, AB, and EB horizons, considered collectively. It includes all subdivisions of these horizons.

Talus

Rock fragments of any size or shape (commonly coarse and angular) derived from and lying at the base of a cliff or very steep rock slope. The accumulated mass of such loose broken rock formed chiefly by falling, rolling, or sliding.

Taxadjuncts

Soils that cannot be classified in a series recognized in the classification system. Such soils are named for a series they strongly resemble and are designated as taxadjuncts to that series because they differ in ways too small to be of consequence in interpreting their use and behavior. Soils are recognized as taxadjuncts only when one or more of their characteristics are slightly outside the range defined for the family of the series for which the soils are named.

Terminal moraine

An end moraine that marks the farthest advance of a glacier. It typically has the form of a massive arcuate or concentric ridge, or complex of ridges, and is underlain by till and other types of drift.

Terrace (conservation)

An embankment, or ridge, constructed across sloping soils on the contour or at a slight angle to the contour. The terrace intercepts surface runoff so that water soaks into the soil or flows slowly to a prepared outlet. A terrace in a field

generally is built so that the field can be farmed. A terrace intended mainly for drainage has a deep channel that is maintained in permanent sod.

Terrace (geomorphology)

A steplike surface, bordering a valley floor or shoreline, that represents the former position of a flood plain, lake, or seashore. The term is usually applied both to the relatively flat summit surface (tread) that was cut or built by stream or wave action and to the steeper descending slope (scarp or riser) that has graded to a lower base level of erosion.

Terracettes

Small, irregular steplike forms on steep hillslopes, especially in pasture, formed by creep or erosion of surficial materials that may be induced or enhanced by trampling of livestock, such as sheep or cattle.

Texture, soil

The relative proportions of sand, silt, and clay particles in a mass of soil. The basic textural classes, in order of increasing proportion of fine particles, are *sand, loamy sand, sandy loam, loam, silt loam, silt, sandy clay loam, clay loam, silty clay loam, sandy clay, silty clay,* and *clay*. The sand, loamy sand, and sandy loam classes may be further divided by specifying “coarse,” “fine,” or “very fine.”

Thin layer

Otherwise suitable soil material that is too thin for the specified use.

Till

Dominantly unsorted and nonstratified drift, generally unconsolidated and deposited directly by a glacier without subsequent reworking by meltwater, and consisting of a heterogeneous mixture of clay, silt, sand, gravel, stones, and boulders; rock fragments of various lithologies are embedded within a finer matrix that can range from clay to sandy loam.

Till plain

An extensive area of level to gently undulating soils underlain predominantly by till and bounded at the distal end by subordinate recessional or end moraines.

Tilth, soil

The physical condition of the soil as related to tillage, seedbed preparation, seedling emergence, and root penetration.

Toeslope

The gently inclined surface at the base of a hillslope. Toeslopes in profile are commonly gentle and linear and are constructional surfaces forming the lower part of a hillslope continuum that grades to valley or closed-depression floors.

Topsoil

The upper part of the soil, which is the most favorable material for plant growth. It is ordinarily rich in organic matter and is used to topdress roadbanks, lawns, and land affected by mining.

Trace elements

Chemical elements, for example, zinc, cobalt, manganese, copper, and iron, in soils in extremely small amounts. They are essential to plant growth.

Tread

The flat to gently sloping, topmost, laterally extensive slope of terraces, flood-plain steps, or other stepped landforms; commonly a recurring part of a series of natural steplike landforms, such as successive stream terraces.

Tuff

A generic term for any consolidated or cemented deposit that is 50 percent or more volcanic ash.

Upland

An informal, general term for the higher ground of a region, in contrast with a low-lying adjacent area, such as a valley or plain, or for land at a higher elevation than the flood plain or low stream terrace; land above the footslope zone of the hillslope continuum.

Valley fill

The unconsolidated sediment deposited by any agent (water, wind, ice, or mass wasting) so as to fill or partly fill a valley.

Variegation

Refers to patterns of contrasting colors assumed to be inherited from the parent material rather than to be the result of poor drainage.

Varve

A sedimentary layer or a lamina or sequence of laminae deposited in a body of still water within a year. Specifically, a thin pair of graded glaciolacustrine layers seasonally deposited, usually by meltwater streams, in a glacial lake or other body of still water in front of a glacier.

Very stony spot (map symbol)

A spot where 0.1 to 3.0 percent of the soil surface is covered by rock fragments that are more than 10 inches in diameter in areas where the surface of the surrounding soil is covered by less than 0.01 percent stones.

Water bars

Smooth, shallow ditches or depressional areas that are excavated at an angle across a sloping road. They are used to reduce the downward velocity of water and divert it off and away from the road surface. Water bars can easily be driven over if constructed properly.

Weathering

All physical disintegration, chemical decomposition, and biologically induced changes in rocks or other deposits at or near the earth's surface by atmospheric or biologic agents or by circulating surface waters but involving essentially no transport of the altered material.

Well graded

Refers to soil material consisting of coarse grained particles that are well distributed over a wide range in size or diameter. Such soil normally can be easily increased in density and bearing properties by compaction. Contrasts with poorly graded soil.

Wet spot (map symbol)

A somewhat poorly drained to very poorly drained area that is at least two drainage classes wetter than the named soils in the surrounding map unit.

Wilting point (or permanent wilting point)

The moisture content of soil, on an ovendry basis, at which a plant (specifically a sunflower) wilts so much that it does not recover when placed in a humid, dark chamber.

Windthrow

The uprooting and tipping over of trees by the wind.

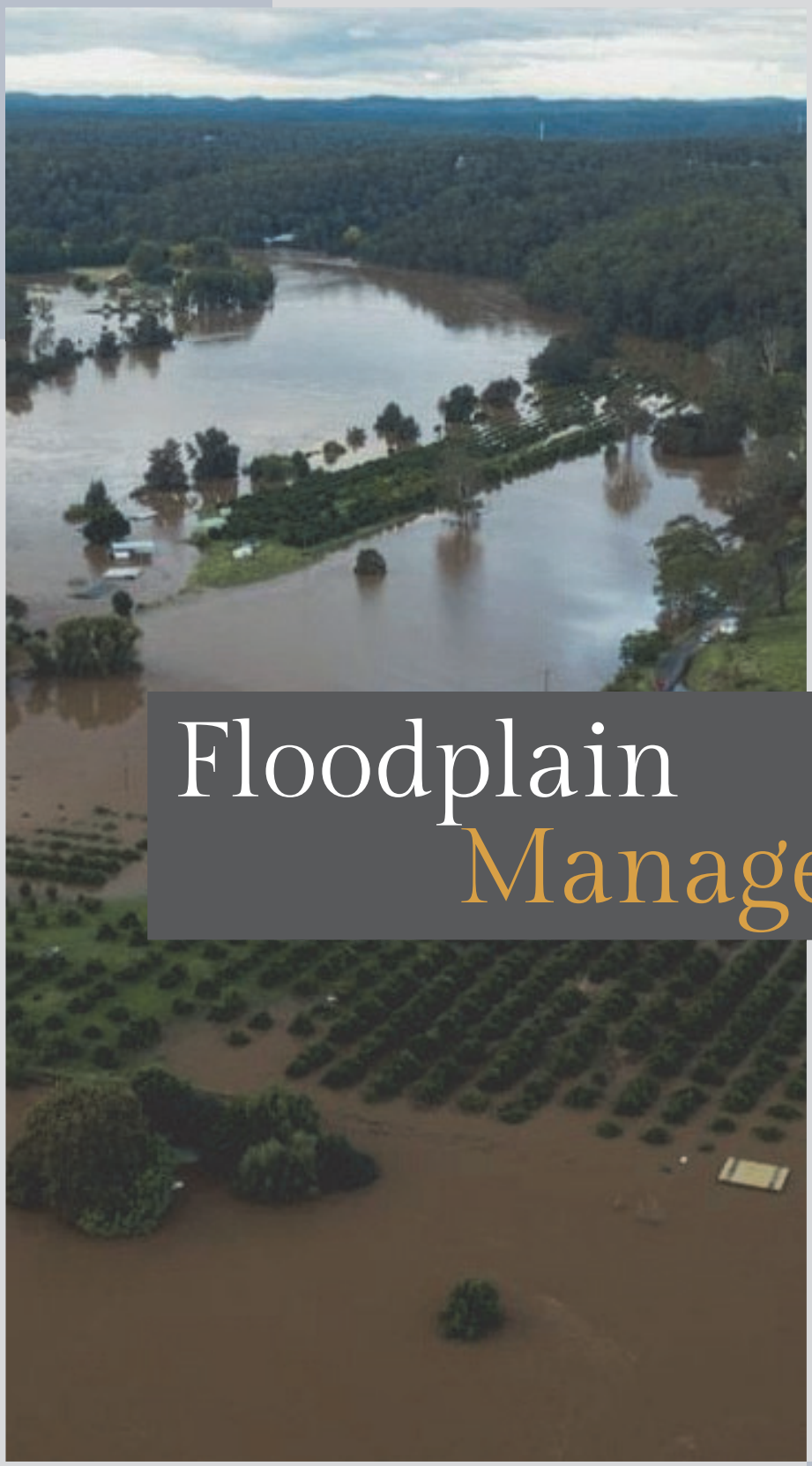

EXHIBIT | 10

Floodplain Management

Paseo de Diego
(PR-CRP-000956)

Integra Design Group, PSC
576 Avenida Arterial B, Suite 102 — Hato Rey, Puerto Rico
PO Box 195488 San Juan, PR 00919
787-767-2111
www.integrapr.com

FEMA ABFE - (PR-CRP-000956)

Address: Río Piedras ward between the Juan Ponce de León Avenue and Barbosa Avenue in San Juan, Puerto Rico

Coordinates: 18.398447, -66.048053 (WGS 1984)

5/23/2024, 8:04:29 AM

Flood Hazard Area (zoom in to make visible)
- A
- AO
- AE
- Coastal A Zone
- VE

- Project Site Boundary
- 0.2% Annual Chance Flood Zone
- A-Floodway
- AE-Floodway
- Coastal A Zone and Floodway
- Zone/BFE Boundary

- Project Site Coordinates

Flood Hazard Extent
- 1% Annual Chance Flood
- 0.2% Annual Chance Flood
- Limit of Moderate Wave Action (LiMWA)
- Advisory Base Flood Elevation (zoom in to make visible)
- Streamline (zoom in to make visible)

- (A) Street and Paseo de Diego
- (B) Del Carmen St.

1:4,514

0 0.04 0.07 0.14 mi

0 0.05 0.1 0.2 km

N

Maxar

INTEGRA DESIGN GROUP PSC
(787) 767 2111 www.integrapr.com

Spatial Reference:
WGS_1984_Web_Mercator_Auxiliary_Sphere

Sources:
https://gis-r2-fema.hub.arcgis.com/apps/31dfa15671944086b54b55bfc03344d7/explore

ArcGIS Web AppBuilder

Maxar |

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations converted to tenth-meter elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0m Mean Sea Level (MSL). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 19. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the Mean Sea Level. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding vertical datum, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242**, or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was derived from multiple sources. Digital orthophotography was mosaicked from imagery acquired by the U.S. Army Corps of Engineers, St. Louis District at one meter ground resolution flown on September 26, 2004, and imagery acquired by the Federal Emergency Management Agency at a scale of 1:1,200, flown in November 2003, February/March 2005, and January 2006.

This map reflects more detailed and up-to-date **stream channel and shoreline configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel and shoreline configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://www.msc.fema.gov.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov

This digital Flood Insurance Rate Map (FIRM) was produced with the assistance of the Puerto Rico Planning Board (PRPB, Junta de Planificacion), the National Flood Insurance Program administrator for the Commonwealth of Puerto Rico. As part of this effort, PRPB, a Federal Emergency Management Agency Cooperating Technical Partner, will adopt this FIRM, once finalized, as the official flood map for the Commonwealth.

FIRM Panel - (PR-CRP-000956)

Address: Río Piedras ward between the Juan Ponce de León Avenue and Barbosa Avenue in San Juan, Puerto Rico

Coordinates: 18.398447, -66.048053 (WGS 1984)

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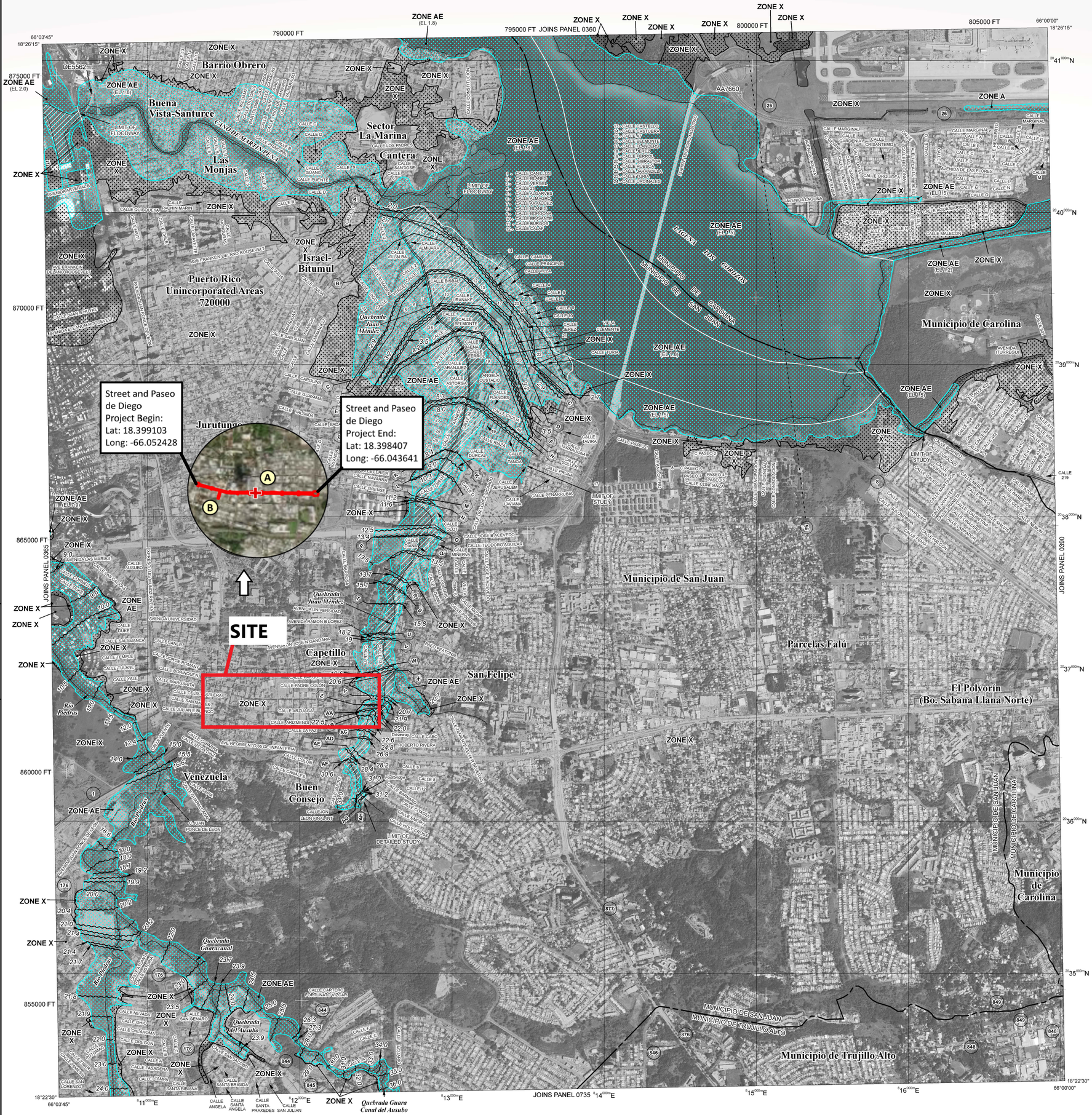
(787) 767 2111 www.integrapr.com



Sources: https://msc.fema.gov/portal/search?AddressQuery=-66.048069 4%2C%2018.4013611

LEGEND

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.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 0.3 to 0.9 meter (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 0.3 to 0.9 meter (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 0.3 meter or with drainage areas less than 2.6 square kilometers; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- 513 — Base Flood Elevation line and value; elevation in meters*
- (EL 987) — Base Flood Elevation value where uniform within zone; elevation in meters*

* Referenced to the Mean Sea Level

- A — A — Cross section line
- 23 — 23 — Transect line
- 87°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 4076000mN — 1000-meter Universal Transverse Mercator grid values, zone NAD 1983 UTM Zone 19N
- 600000 FT — 5000-foot grid ticks: Puerto Rico Virgin Islands State Plane coordinate system (FIPSZONE 5200), Lambert Conformal Conic projection
- DX5510 × — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 — River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COMMONWEALTH OF PUERTO RICO AND MUNICIPALITIES FLOOD INSURANCE RATE MAP
April 19, 2005

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

November 18, 2009 – to change Base Flood Elevations and to change Special Flood Hazard Areas.

- Project Site Boundary
- Project Site Coordinates
- (A) Street and Paseo de Diego
- (B) Del Carmen St.

For community map revision history prior to Commonwealth of Puerto Rico and Municipalities mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE
1:10,000

0.5 0 0.5 Kilometers
500 250 0 500 1,000 1,500 2,000 2,500 3,000 3,500 Feet
0.25 0.125 0 0.25 Miles

PANEL 0370J

FIRM
FLOOD INSURANCE RATE MAP

COMMONWEALTH OF PUERTO RICO AND MUNICIPALITIES

PANEL 370 OF 2160

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
PUERTO RICO	720000	0370	J

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER 72000C0370J

MAP REVISED NOVEMBER 18, 2009

Federal Emergency Management Agency

NATIONAL FLOOD INSURANCE PROGRAM

PFIRM - Preliminary Flood Zones - (PR-CRP-000956)

Address: Río Piedras ward between the Juan Ponce de León Avenue and Barbosa Avenue in San Juan, Puerto Rico

Coordinates: 18.398447, -66.048053 (WGS 1984)

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(787) 767 2111 www.integrapr.com

Project Site Boundary

Project Site Coordinates

PR FEMA Preliminary Index Panels (Not Available)

A Street and Paseo de Diego

B Del Carmen St.

N

Scale: 1:7,000

1 inch equals 0 miles

0 0.09 0.17 Miles

Spatial Reference:
NAD 1983 StatePlane Puerto Rico Virgin Islands FIPS 5200

Sources: Earthstar Geographics, Maxar. https://hazards.fema.gov/femaportal/prelimdownload/searchLoad.action

EXHIBIT | 11

Historic Preservation

Paseo de Diego

(PR-CRP-000956)

Integra Design Group, PSC
576 Avenida Arterial B, Suite 102 — Hato Rey, Puerto Rico
PO Box 195488 San Juan, PR 00919
787-767-2111
www.integrapr.com

GOVERNMENT OF PUERTO RICO
STATE HISTORIC PRESERVATION OFFICE
Executive Director | Carlos A. Rubio Cancela | carubio@prshpo.pr.gov

Tuesday, January 28, 2025

Lauren B Poche

269 Avenida Ponce de León, San Juan, PR, 00917

SHPO-CF-01-16-25-04 PR-CRP-000956 (San Juan), Paseo de Diego

Dear Ms. Poche,

We acknowledge receipt of the archaeological monitoring work plan submitted on January 16, 2025, for the case mentioned above. The plan is deemed acceptable, and we concur with its implementation.

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

January 16, 2025

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

Re: SHPO-CF-10-09-24-03 PR-CRP-000956: Paseo de Diego Project, San Juan, Puerto Rico – *Archaeology Monitoring Work Plan Submission*

Dear Architect Rubio Cancela,

On behalf of the Puerto Rico Department of Housing (PRDOH), we thank you for your letter dated November 8, 2024, in response to the submission of documentation for PR-CRP-000956, Paseo de Diego project. The letter stated that the records of the Puerto Rico State Historic Preservation Office supported PRDOH's finding of no adverse effect on the proposed undertaking, based on the conditions proposed: An Archaeological Monitoring Plan for the rehabilitation of Paseo de Diego and José de Diego Avenue (State Road PR-47) must be submitted and approved by the Puerto Rico State Historic Preservation Office (PRSHPO) and implemented by an SOI-Qualified Archaeological Monitor during all proposed ground-disturbing activities from Zone 1 to Zone 4 given the potential for intact deposits and overall sensitivity of the Río Piedras Traditional Urban Center.

As such, we are submitting the requested Archaeological Monitoring and Protection Plan for the Paseo de Diego project (PR-CRP-000956/SHPO 10-09-24-03) prepared by Archaeologist Imandra Martínez. We are requesting your review of the prepared plan and concurrence that the implementation of the plan is appropriate for the undertaking.

Please contact me with any questions or concerns by email at lauren.poche@horne.com or phone at 225-405-7676.

Kindest regards,

Lauren Bair Poche. M.A.
Architectural Historian, EHP Senior Manager
LBP/KPS

Attachments

PR-CRP-000956

Paseo de Diego Project

San Juan, Puerto Rico

Archaeological Monitoring Plan

PRDOH CDBG-DR CRP Program
Paseo de Diego
San Juan, Puerto Rico

PR-CRP-000956 / SHPO CF-10-09-24-03

Archaeological Monitoring Plan

Prepared by:
Imandra Martínez
Archaeologist – **Plexos Group**
December 12, 2024

Incorporating the Archaeological Monitoring Work Plan Template developed by Archaeologist Sharon Meléndez Ortiz, HORNE PR,2023

PREAMBLE

The Municipality of San Juan is seeking Community Development Block Grant disaster recovery funds financed by the federal Department of Housing and Urban Development due to damage received by the 2017 Hurricanes Irma and Maria. The Puerto Rico Department of Housing (PRDOH) has established an Agreement between PRDOH and the Municipality of San Juan for the City Revitalization Program as part of the Community Development Block Grant for Disaster Recovery (CDBG-DR) Program. The Municipality of San Juan proposes improvements to the public infrastructure of Paseo de Diego and José de Diego Avenue (State Road PR-47), a pedestrian promenade and main avenue spanning across the Río Piedras Traditional Urban Center (TUC) (From Juan Ponce de León to Barbosa Avenue). The Puerto Rico State Historic Preservation Office (PRSHPO), in a letter dated November 8, 2024, concurred with a finding of No Adverse Effect for this undertaking conditioned to the implementation of archaeological monitoring during all demolitions, excavations, and ground-disturbing activities.

The undertaking also includes demolishing and reconstructing promenades, streets, and sidewalks to meet accurate measurements and superior surface quality. These improvements include efficient drainage, universal accessibility, safe connections, attractive spaces, permanent security features, and consistent labeling. All proposed enhancements will comply with existing laws, including the 2021 International Building Code (IBC), the 2018 Puerto Rico Building Code, and the 2010 ADA Standards for Accessible Design.

The direct Area of Project Enclosure (APE) for this project includes the Paseo de Diego pedestrian promenade, which extends from Ponce de León Avenue (State Road PR-25) to Ferrocarril Street. Additionally, it encompasses Del Carmen Street from Paseo de Diego to Arzuaga Street, running in a north-south direction. The project continues along José de Diego Avenue (State Road PR-47), from Ferrocarril Street to José Celso Barbosa Avenue (State Road PR-27). The Paseo de Diego measures approximately 260 linear meters, while José de Diego Avenue is about 680 linear meters long, resulting in a total area of 17,589.91 square meters.

The visual APE is the viewshed of the proposed project. The viewshed includes the properties along Paseo de Diego and José de Diego Avenue, featuring key sites eligible for the National Register of Historic Places (NRHP) that enrich the Río Piedras Traditional Urban Center. This area covers approximately 48,775.74 square meters and showcases the region's historical value. Paseo de Diego extends from Ponce de León Avenue to Ferrocarril Street, lined with early to mid-20th century mixed-use

buildings in diverse architectural styles such as Spanish Revival, Beaux Arts, Art Deco, and Modern style. Each intersecting street offers a glimpse into the heart of the Río Piedras Traditional Urban Center.

> *Each intersecting street along Paseo de Diego peers into the heart of the Río Piedras Traditional Urban Center. The Banco Popular, Banco Territorial y Agrícola, Cine-Teatro Paraíso, and Antigua Alcaldía are all NRHP-eligible historic buildings visible from the Ponce de León Avenue intersection. Parroquia Nuestra Señora del Pilar and Plaza de la Convalecencia are visible from the south end of Del Carmen Street. Ponce de León Avenue, or Carretera Central, is the only visible NRHP-listed historic property also within the direct APE, as it intersects the west entrance of Paseo de Diego perpendicularly.*[1]

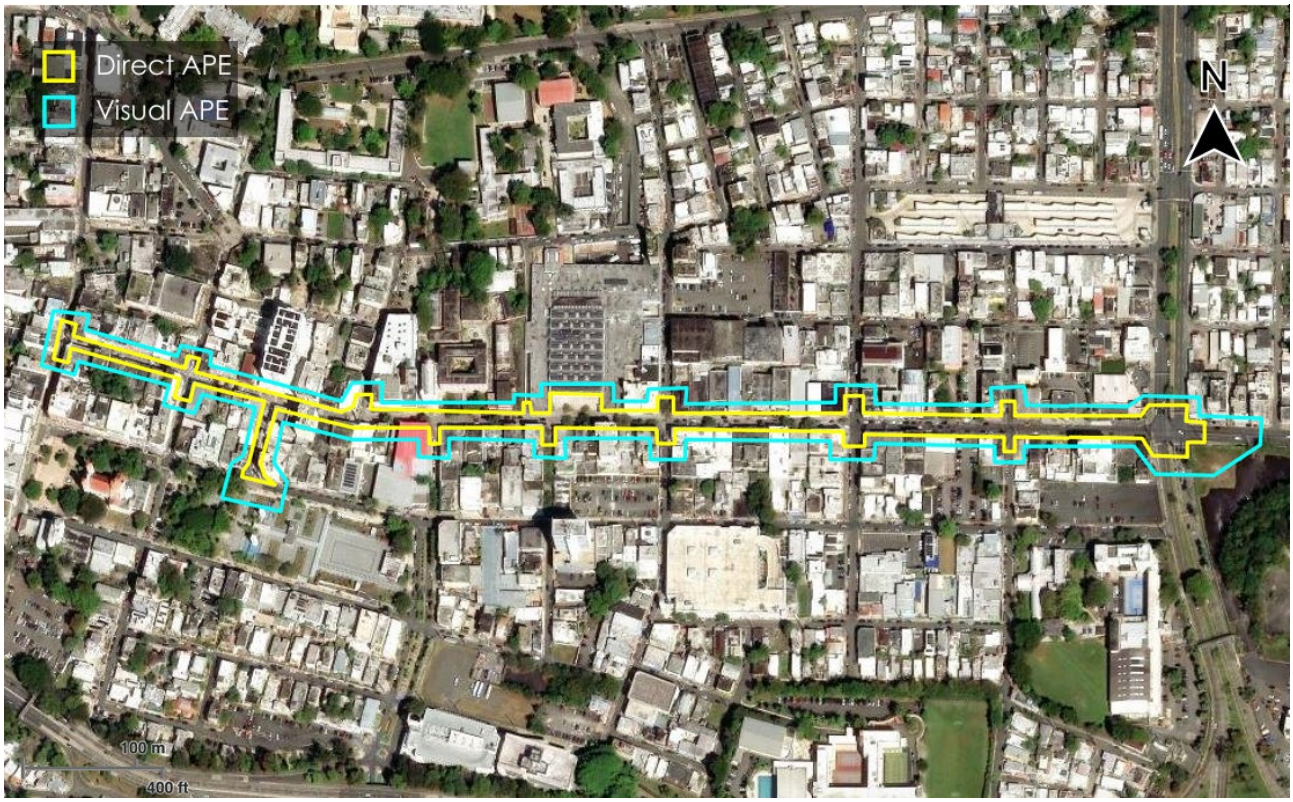
The objectives of this archaeological monitoring plan are: (1) to establish measures to prevent indirect adverse effects on known historical resources; (2) to establish the protocol to be followed in archaeological monitoring; (3) to establish the protocol to be followed if previously unknown resources are identified; (4) to establish the protocol to be followed if there are any unexpected or previously unanticipated adverse effects; (5) to locate, evaluate and document archaeological resources during project development; (6) to recover as much archaeological information as possible during excavation and construction; (7) to conserve and enhance the value of the archaeological resources located and documented; and (8) in the event that the archaeological resource cannot be conserved in situ, to conserve it through documentation (preservation by record).

This document complies with applicable federal and state laws, regulations, and guidelines, and is consistent with the Secretary of the Interior's (SOI) Guidelines for Archeological Documentation, the Advisory Council on Historic Preservation's (ACHP) recommendations on the recovery of significant information from archaeological sites as updated in 2009, and Regulation #8932 of the Institute of Puerto Rican Culture (ICP). The plan was prepared by archaeologist Imandra Martínez, who meets the Professional Qualifications Standards set forth in 36 CFR Part 61.

[1] For more information about NRHP-eligible historic buildings within the visual APE see document: Puerto Rico 2017 *Disaster Recovery, CDBG-DR Program; City Revitalization Program (City-Rev); Section 106, NHPA Effect Determination, CRP 000956, 2024 by Heidi J. Dilan; edited by Jorge Lizardi Pollock, and Maritza Torres Martínez; edited by Jesus E. Vega.*

Figure 1. Project Parcel Location and Area of Potential Effect, USGS Topographic Map. (Source: (Source: 2017 Disaster Recovery, CDBG-DR Program; City Revitalization Program (City-Rev); Section 106, NHPA Effect Determination, CRP 000956, 2024 by Heidi J. Dilan; edited by Jorge Lizardi Pollock, and Maritza Torres Martínez; edited by Jesus E. Vega).

Figure 2. Project Location and Area of Potential Effect Aerial Map (Source: 2017 Disaster Recovery, CDBG-DR Program; City Revitalization Program (City-Rev); Section 106, NHPA Effect Determination, CRP 000956, 2024 by Heidi J. Dilan; edited by Jorge Lizardi Pollock, and Maritza Torres Martínez; edited by Jesus E. Vega)



This scope of work is divided into six (6) sections and one (1) appendix. The section following this preamble discusses the proposed construction works. The third section includes a brief description of the historic properties located within the APE and of the archaeological potential of the area. The fourth section provides a detailed description of the archaeological monitoring procedure to be carried out before, during and after the construction works. Section V includes the professional qualifications of the team that will implement this monitoring plan and the last section includes the references cited. The plan closes with an appendix with a model of monitoring daily activity sheet (Appendix A)

1. PROJECT DESCRIPTION

The project aims[2] to improve the public infrastructure of Paseo de Diego and José de Diego Avenue (State Road PR-47), a pedestrian promenade and main avenue spanning across the Río Piedras Traditional Urban Center (TUC). The project includes interventions at the intersections with Ponce de León, Brumbaugh, Del Carmen, Ferrocarril, Camelia Soto, Monsignor Torres, Vallejo Street, Monsignor William Torres, Padres Capuchinos and Dr. José Celso Barbosa streets:

- Ponce de León Avenue/State Road PR-25 Intersection (18.399080, -66.052401)
- Brumbaugh Street Intersection (18.398811, -66.051389)
- Del Carmen Street Intersection (18.398622, -66.050734)
- Ferrocarril Street Intersection (18.398480, -66.050005)
- Camelia Soto Street Intersection (18.398466, -66.049412)
- Monseñor Torres Street Intersection (18.398454, -66.048486)
- Vallejo Street Intersection (18.398444, -66.047554)
- Monseñor William Torres Street Intersection (18.398424, -66.046028)
- Padres Capuchinos Street Intersection (18.398407, -66.044776)
- Dr. José Celso Barbosa Avenue/State Road PR-27 Intersection (18.398401, -66.043474)

According to the 2024 Section 106 NHPA Effect Determination, the proposed improvements will be divided into four zones, each with similar improvements planned.

Zone 1:
Encompasses the Paseo de Diego promenade from Ponce de León Avenue (State Road PR-25) to Brumbaugh Street. This zone will undergo complete rehabilitation of the street and pavement, transforming it into a pedestrian area with a maximum ground disturbance of **3 feet**. Improvements will include multi-use pedestrian areas and community gathering spaces, curb and sidewalk upgrades for universal accessibility, the installation of benches for seating, planting of vegetation for shade, and the construction of "parklets" to enhance the views.

Zone 2:
Extends along the Paseo de Diego promenade from Brumbaugh Street to Ferrocarril Street. It will also feature complete street and pavement rehabilitation, designed as a pedestrian area with limited vehicular access at night through a continuous single-lane street (maximum ground disturbance of **3 feet**). Planned improvements include

[2] For a better understanding of the proposed undertaking, see attached the most recent design plans of the project (Appendix B).

the installation of benches for seating, planting of shade-providing vegetation, and construction of "parklets" to beautify the area.

Zone 3:
Covers José de Diego Avenue (State Road PR-47) from Ferrocarril Street to Vallejo Street. This zone will feature complete rehabilitation of the street and pavement, designed as a continuous semi-vehicular street. Maximum ground disturbance of **3 feet** is contemplated. This will include the repair or replacement of bollards as necessary, planting of shade-providing vegetation, and construction of "parklets" to enhance the views.

Zone 4:
Runs along José de Diego Avenue (State Road PR-47) from Vallejo Street to José Celso Barbosa Avenue (State Road PR-27). The project will involve the complete rehabilitation of the street and pavement, which is designed as a fully vehicular road with an estimated maximum ground disturbance of **3 feet.** Improvements will include enhancements to the sidewalk, curb, and gutter, as well as a new layer of asphalt pavement across the entire street, with an estimated maximum ground disturbance of four inches. Additionally, the project will feature the installation of benches for seating and the planting of vegetation to provide shade.

The project includes several safety measures along Paseo de Diego and José de Diego Avenue (State Road PR-47), which consist of the following:

- Pedestrian crossings at each street intersection.
- Retractable UFO-style bollards, anchored by a metal rod approximately 3 inches below the ground surface, placed at the entrances to Paseo de Diego from Brumbaugh Street, Del Carmen Street, and Ferrocarril Street.
- Speed bumps are installed at strategic locations.
- Removal of signage bases and posts.
- A new vandal-resistant LED lighting system powered by photovoltaic panels, with estimated depths ranging from **4 feet 7 inches to 5 feet 5 inches**, depending on the height of the pole.

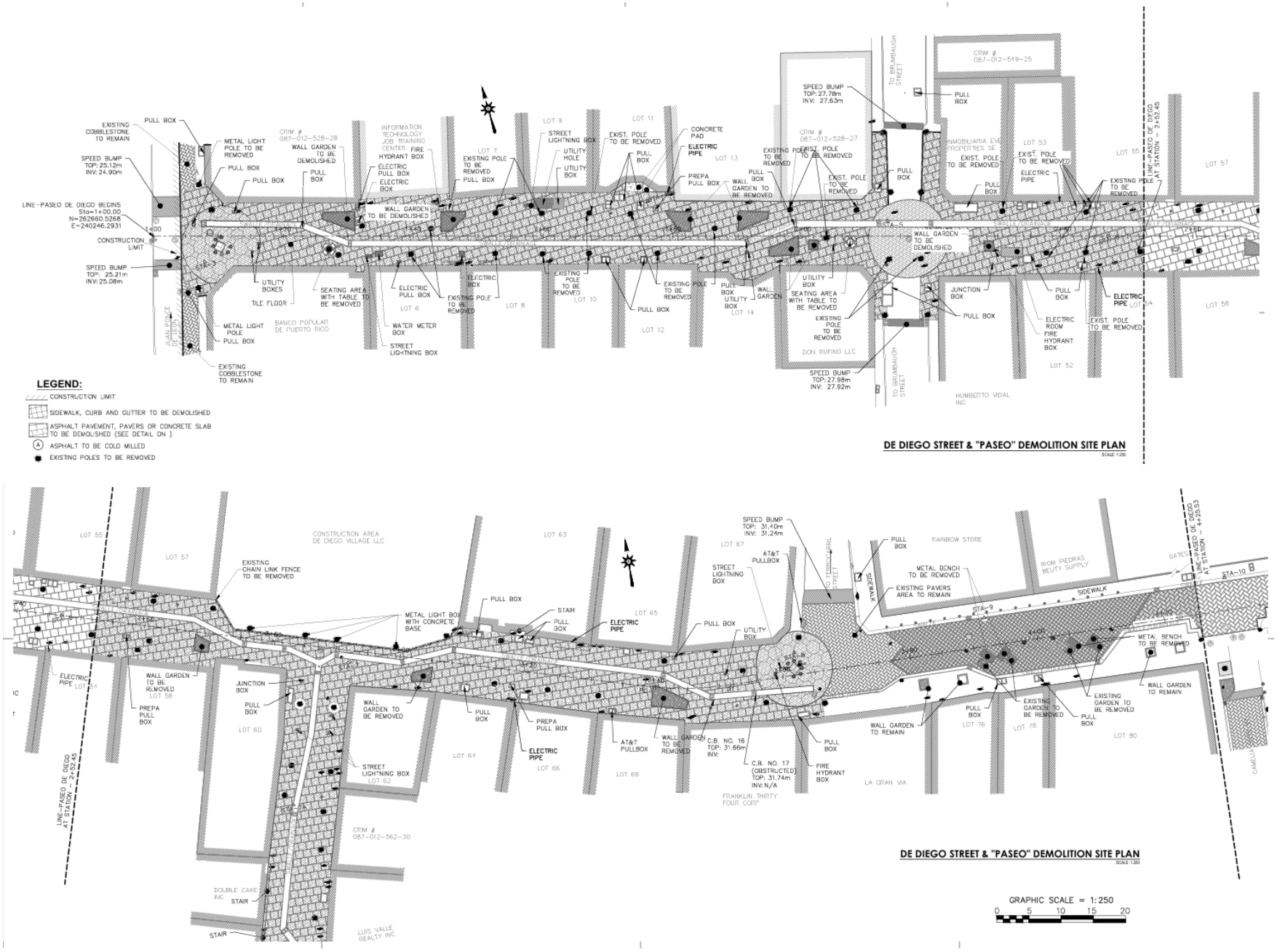
Other Improvements Include:

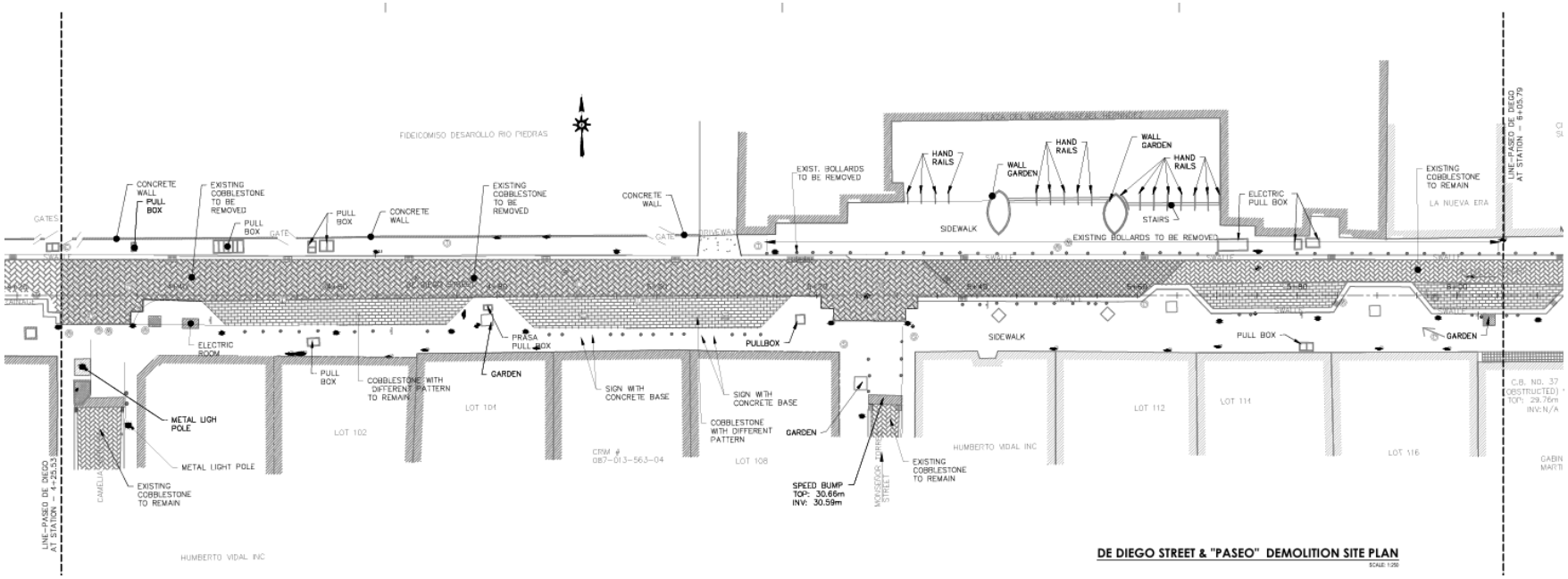
- The construction of a new bicycle lane.
- Widening of sidewalks, with an estimated maximum ground disturbance of **3 feet.**
- Extensive cleaning of all surfaces to remove grease and glue using specialized cleaning products.
- Replacement of the sewer and drainage systems.

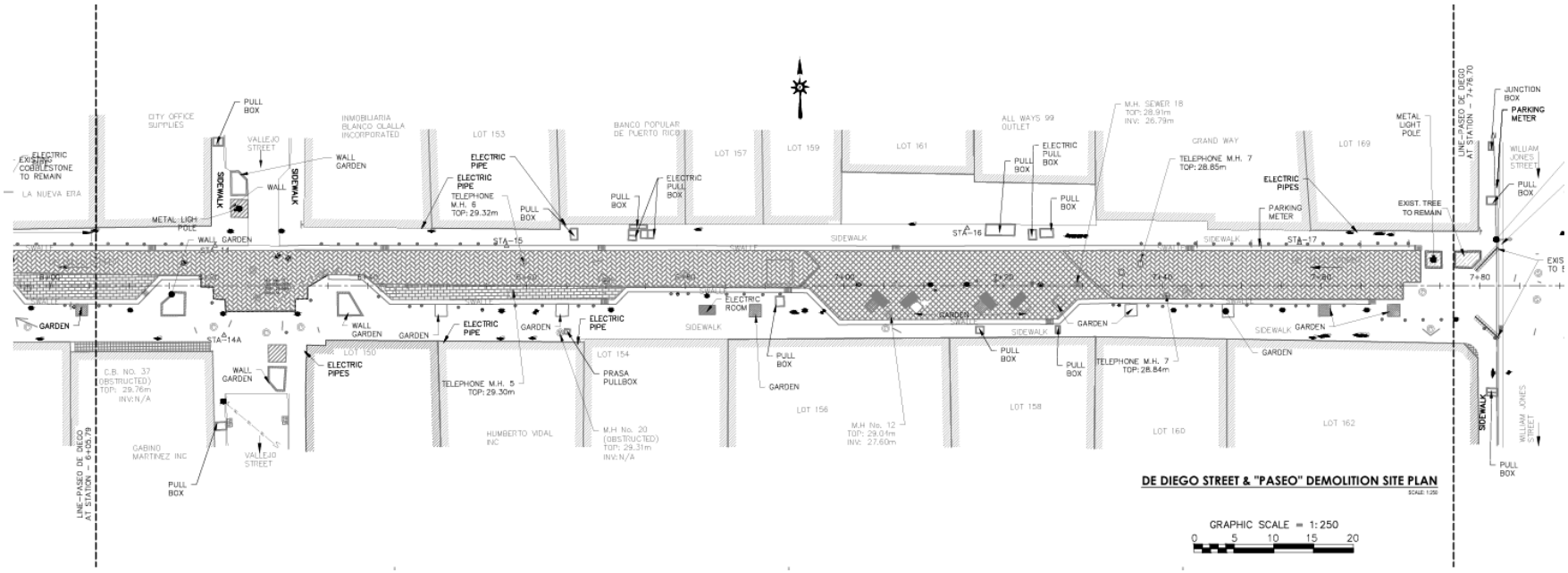
- Installation of a security system for crime deterrence, internet infrastructure to provide wireless connectivity, and a sound system for ambience music and public announcements.
- Demolition of the existing metallic umbrellas and their concrete bases.
- Removal of decorative towers at both ends of the pedestrian promenade.
- Painting of building façades.
- Installation of urban furniture, including benches of different styles anchored with a threaded rod about **3 inches deep**, bus stops, bicycle racks, and permanent trash cans anchored with a quarter inch by 3-inch rebar about 3 inches deep.
- Implementation of sustainable reforestation and landscape architecture, which includes removing dead trees and pruning living ones. New trees will be planted **2 to 3 feet deep** (depending on root length) and supported by wooden stakes measuring 4 inches in length and 2 inches in width.

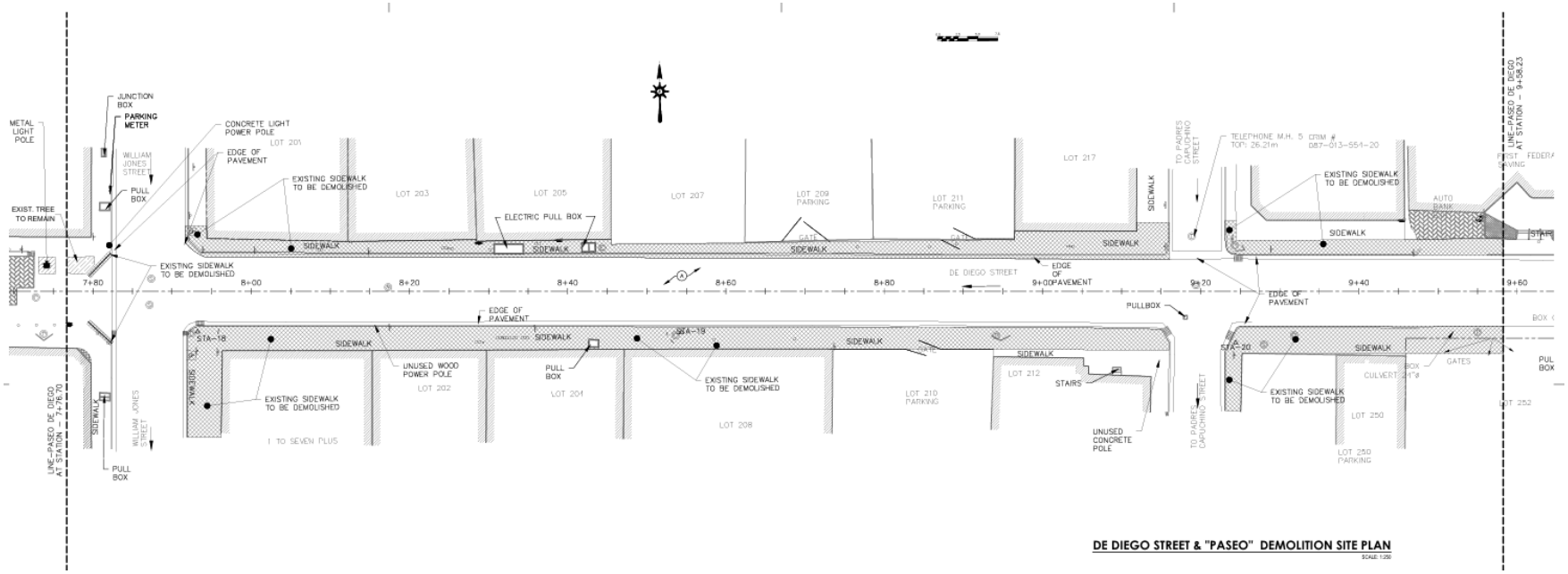
- **The maximum depth excavation for the streets and sidewalks will be 5 feet 5 inches**

Figure 3. De Diego Street & "Paseo" demolition site plan (Page 9-11).

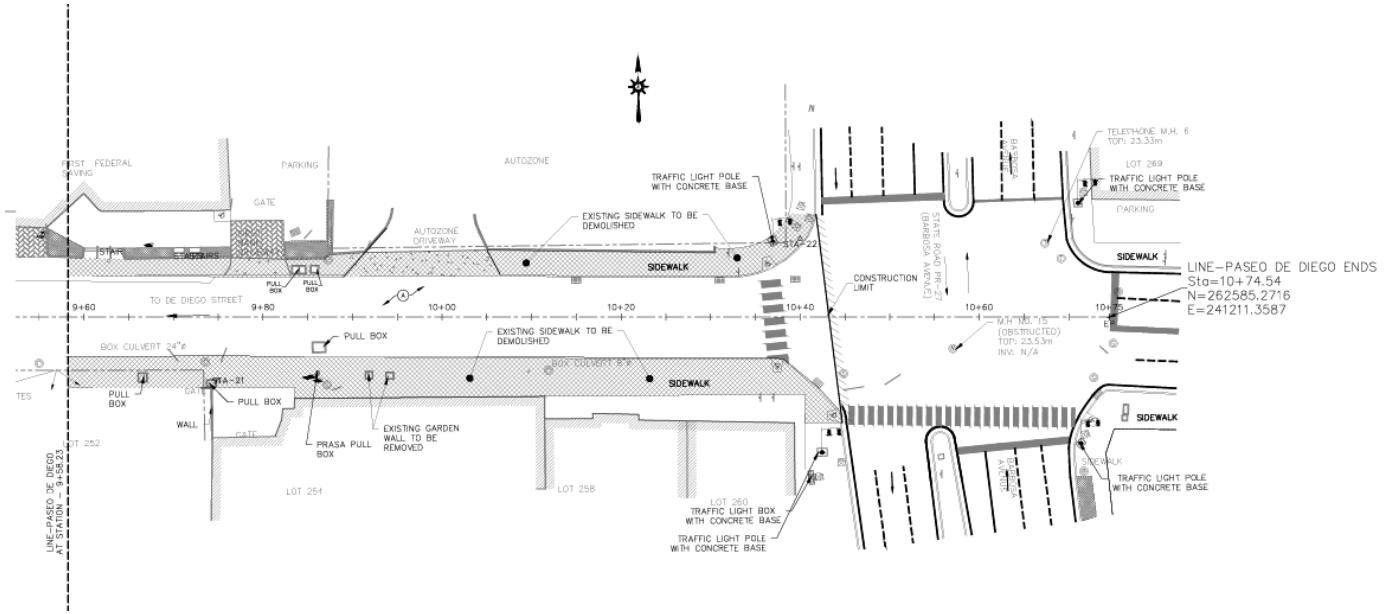



DE DIEGO STREET & "PASEO" DEMOLITION SITE PLAN
SCALE 1:250
FIDEICOMISO DESARROLLO RIO PIEDRAS
CONCRETE WALL
PULL BOX
EXISTING COBBLESTONE TO BE REMOVED
GATES
DRIVEWAY
EXIST. BOLLARDS TO BE REMOVED
HAND RAILS
WALL GARDEN
STAIRS
SIDEWALK
ELECTRIC PULL BOX
EXISTING COBBLESTONE TO REMAIN
LA NUEVA ERA
LINE-PASEO DE DIEGO AT STATION - 6+05.79
EXISTING BOLLARDS TO BE REMOVED
ELECTRIC ROOM
PRASA PULL BOX
PULLBOX
GARDEN
COBBLESTONE WITH DIFFERENT PATTERN TO REMAIN
SIGN WITH CONCRETE BASE
METAL LIGH POLE
METAL LIGHT POLE
LOT 102
LOT 104
LOT 108
LOT 112
LOT 114
LOT 116
CRIM # 087-013-563-04
HUMBERTO VIDAL INC
SPEED BUMP TOP: 30.66m INV: 30.59m
MONSEÑOR ALFREDO DE CASTRO STREET
C.B. NO. 37 (OBSTRUCTED) TOP: 29.76m INV:N/A
LINE-PASEO DE DIEGO AT STATION - 4+55.53
CAMELIA STREET
GABIN MARTI


DE DIEGO STREET & "PASEO" DEMOLITION SITE PLAN
SCALE 1:250
GRAPHIC SCALE = 1:250
0 5 10 15 20
CITY OFFICE SUPPLIES
INMOBILIARIA BLANCO OLALLA INCORPORATED
BANCO POPULAR DE PUERTO RICO
ALL WAYS 99 OUTLET
GRAND WAY
VALLEJO STREET
WILLIAM JONES STREET
LA NUEVA ERA
METAL LIGH POLE
METAL LIGHT POLE
ELECTRIC PIPE
TELEPHONE M.H. 6 TOP: 29.32m
TELEPHONE M.H. 5 TOP: 29.30m
TELEPHONE M.H. 7 TOP: 28.85m
TELEPHONE M.H. 7 TOP: 28.84m
M.H. SEWER 18 TOP: 28.91m INV: 26.79m
M.H No. 20 (OBSTRUCTED) TOP: 29.31m INV:N/A
M.H No. 12 TOP: 29.01m INV: 27.60m
ELECTRIC PIPES
PARKING METER
JUNCTION BOX
EXIST. TREE TO REMAIN
PRASA PULLBOX
ELECTRIC ROOM
STA-14A
STA-15
STA-16
STA-17
LOT 150
LOT 153
LOT 154
LOT 156
LOT 157
LOT 158
LOT 159
LOT 160
LOT 161
LOT 162
LOT 169
HUMBERTO VIDAL INC
GABINO MARTINEZ INC
LINE-PASEO DE DIEGO AT STATION - 7+76.70



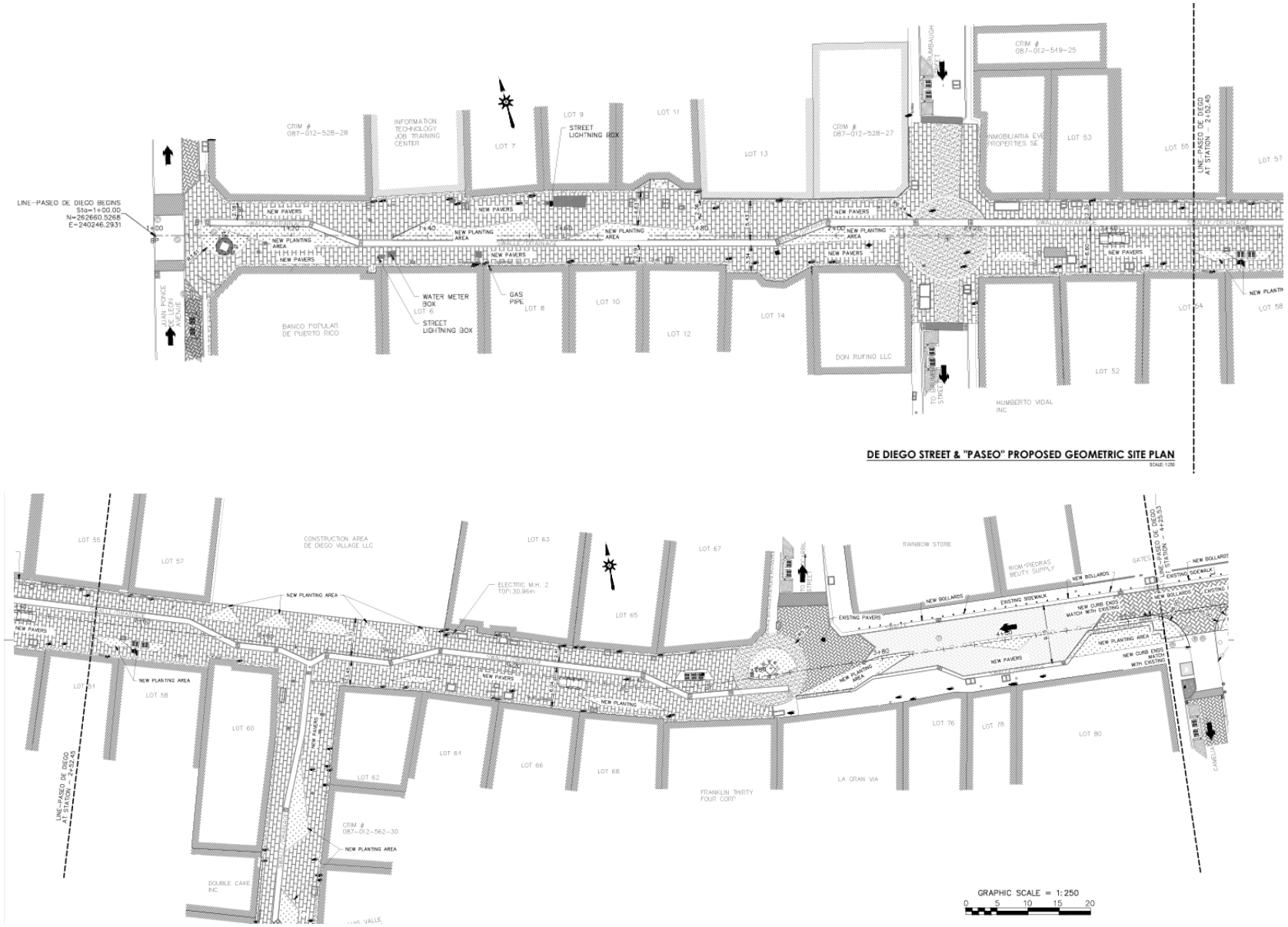
DE DIEGO STREET & "PASEO" DEMOLITION SITE PLAN

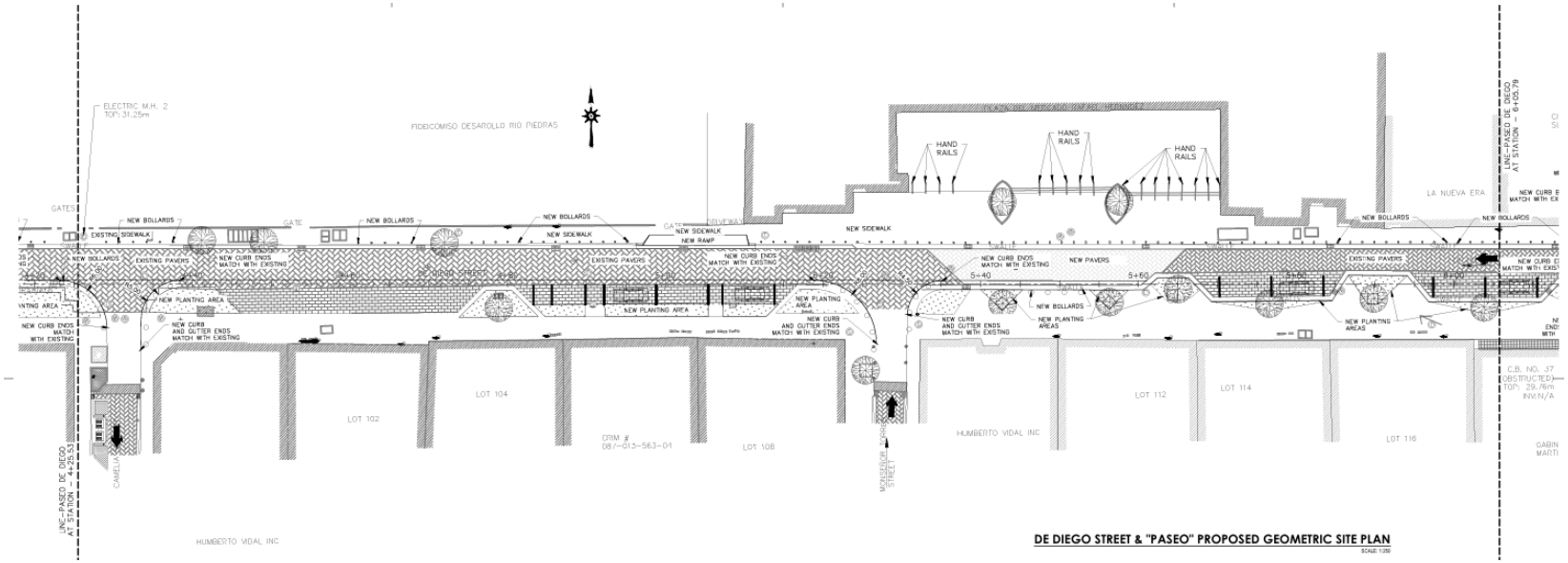


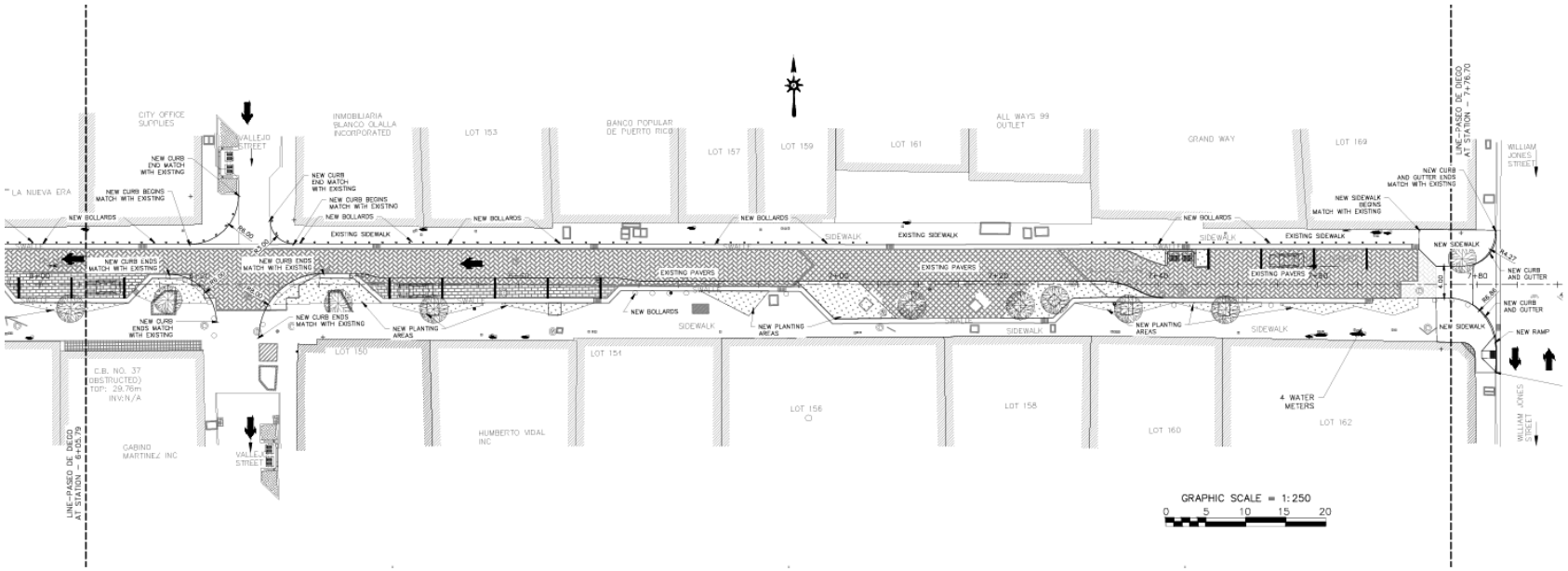
DE DIEGO STREET & "PASEO" DEMOLITION SITE PLAN

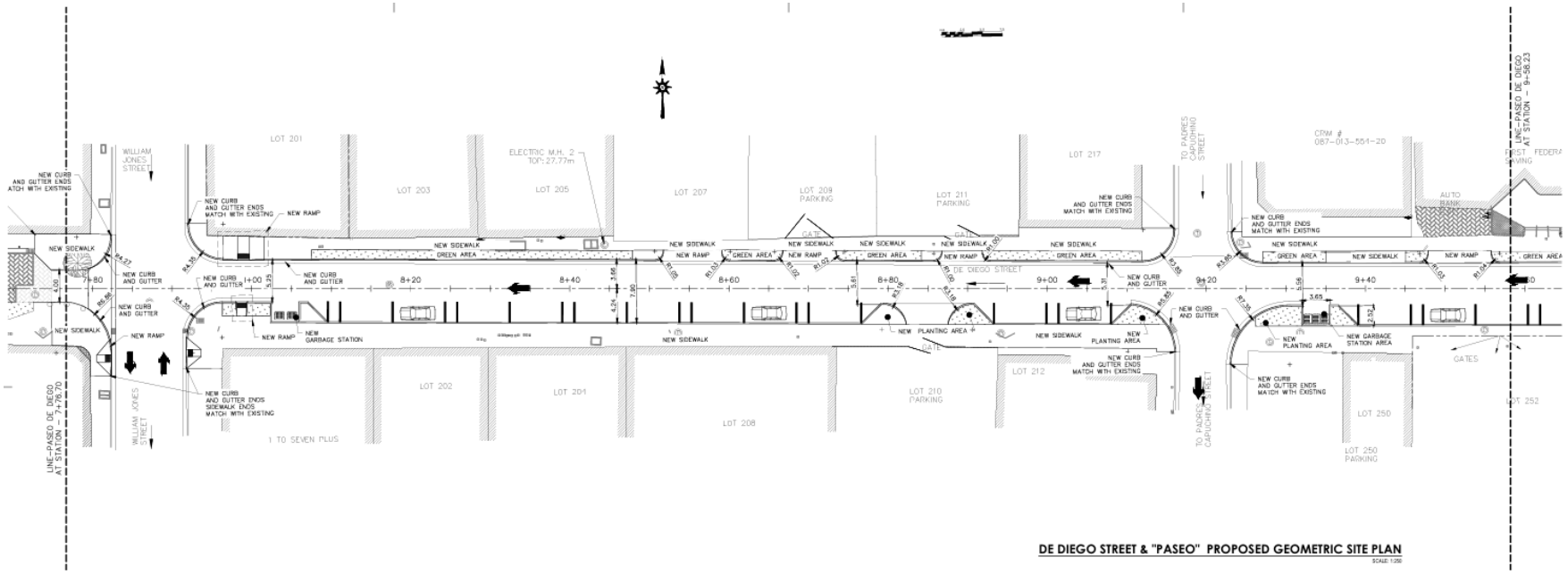
GRAPHIC SCALE = 1:250
0 5 10 15 20

***Figure 4. De Diego Street and "Paseo" proposed geometrical site plan.* (Page 12-14).**

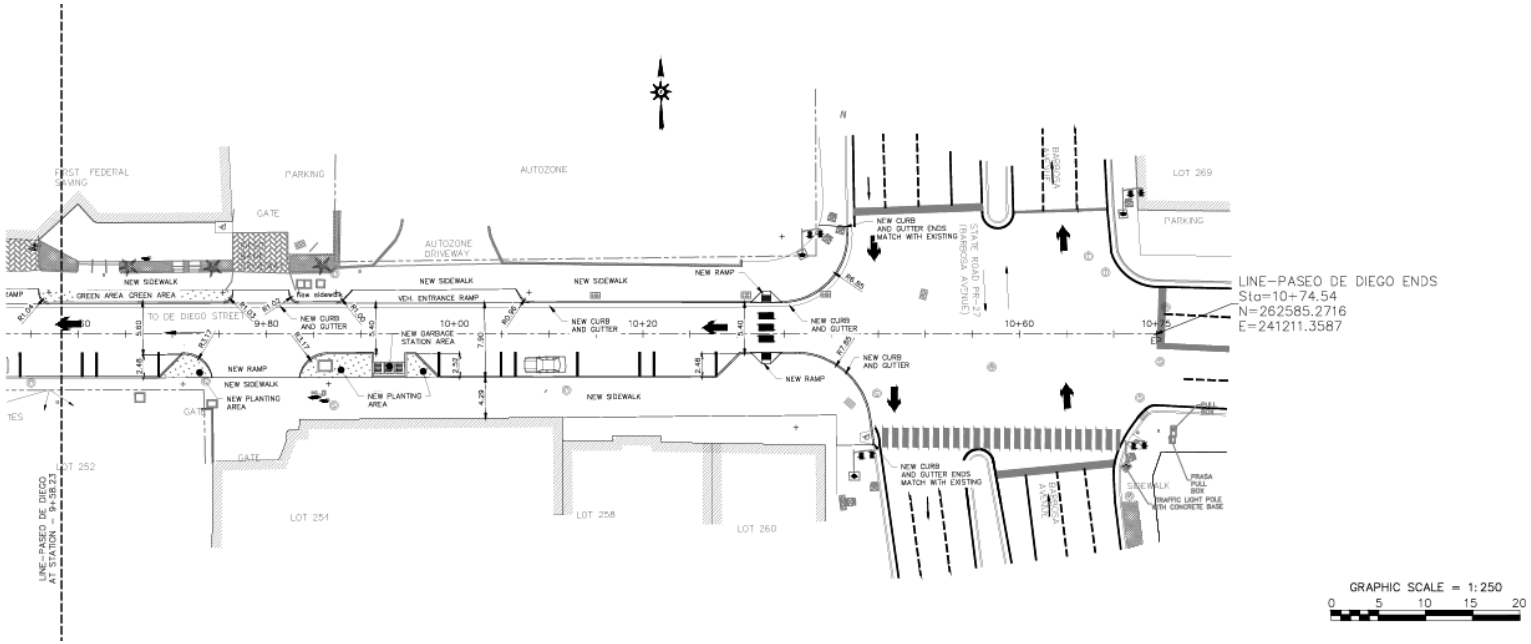



ELECTRIC M.H. 2
TOP: 31.25m
FIDEICOMISO DESAROLLO RIO PIEDRAS
HAND RAILS
HAND RAILS
HAND RAILS
LA NUEVA ERA
LINE-PASEO DE DIEGO AT STATION - 6+05.79
GATE
GATE
GATE
DRIVEWAY
NEW BOLLARDS
NEW SIDEWALK
NEW RAMP
EXISTING SIDEWALK
EXISTING PAVERS
NEW CURB ENDS MATCH WITH EXISTING
NEW PLANTING AREA
NEW CURB AND GUTTER ENDS MATCH WITH EXISTING
NEW PAVERS
DE DIEGO STREET
5+40
5+60
LOT 102
LOT 104
LOT 108
LOT 112
LOT 114
LOT 116
CRIM # 08/-013-563-01
HUMBERTO VIDAL INC
C.B. NO. 37 OBSTRUCTED TOP: 29.76m INV:N/A
CAMELIA STREET
MORSE/DR. JOSE M. TORRES STREET
LINE-PASEO DE DIEGO AT STATION - 4+25.53
GABINO MARTINEZ INC
DE DIEGO STREET & "PASEO" PROPOSED GEOMETRIC SITE PLAN
SCALE 1:250


CITY OFFICE SUPPLIES
VALLEJO STREET
INMOBILIARIA BLANCO OLALLA INCORPORATED
BANCO POPULAR DE PUERTO RICO
ALL WAYS 99 OUTLET
GRAND WAY
WILLIAM JONES STREET
LA NUEVA ERA
NEW CURB END MATCH WITH EXISTING
NEW CURB BEGINS MATCH WITH EXISTING
NEW CURB ENDS MATCH WITH EXISTING
NEW BOLLARDS
EXISTING SIDEWALK
NEW SIDEWALK
NEW SIDEWALK BEGINS MATCH WITH EXISTING
NEW CURB AND GUTTER ENDS MATCH WITH EXISTING
NEW CURB AND GUTTER
NEW RAMP
EXISTING PAVERS
NEW PLANTING AREAS
SIDEWALK
LOT 153
LOT 157
LOT 159
LOT 161
LOT 169
LOT 156
LOT 154
LOT 158
LOT 160
LOT 162
4 WATER METERS
C.B. NO. 37 OBSTRUCTED TOP: 29.76m INV:N/A
HUMBERTO VIDAL INC
GABINO MARTINEZ INC
LINE-PASEO DE DIEGO AT STATION - 4+25.53
LINE-PASEO DE DIEGO AT STATION - 7+76.70
GRAPHIC SCALE = 1:250
0 5 10 15 20



DE DIEGO STREET & "PASEO" PROPOSED GEOMETRIC SITE PLAN



2. HISTORIC PROPERTIES WITHIN THE APE

De Diego Street is a contributing urban resource to Río Piedras Traditional Urban Center which is eligible as a District to the National Register Historic Place (NRHP). The history of the settlement of Río Piedras dates to the early eighteenth century. Several authors have documented the urban history of Río Piedras. For instance, Cayetano Coll y Toste, as referenced in the works of Ocacio-Meléndez, Marcial E. (1985, p.9) and Sepúlveda, Anibal (2004, p. 152) notes that Río Piedras was established as a town in 1714 in the area known as El Roble. The text also highlights the significance of its hermitage, which was founded in 1645, making it one of the oldest in Puerto Rico. The parish was established in 1714 under the patronage of Nuestra Señora del Pilar. However, the church that we see today was designed by architect Francisco Porrata Doria in 1931 (See figure 15).

Fray Iñigo Abbad y Lasierra documented in the late 18th century that the town of Río Piedras was located half a league from the Martin Peña Bridge. In his account (page 232), he described the settlement as comprising a church and three houses situated within a meadow adjacent to a stream. One of the earliest cartographic representations of the area is provided by Miguel de Muesas in his map from 1775, which accurately identifies the church and the surrounding settlements (refer to Figure 6). By the end of the XIX century, seven main streets composed of the urban layout. The old Calle del Sol, De Diego Street today, was one of the first in urban composition, located two blocks north of the Río Piedras square (Plaza de la Convalecencia) (See Figure 7).

The historical development of Río Piedras was significantly influenced by the construction of the tramway (ca. 1880) and the railroad (end of the 19th century). These developments facilitated the movement of both merchandise and passengers between Río Piedras and other regions, particularly San Juan. Río Piedras emerged as a crucial production and supply center for San Juan, a role that underscored its economic importance. Several historical events have further shaped Río Piedras, including the establishment of the tramway connecting it to the capital, its designation as a summer vacation destination for wealthy families from San Juan, and its evolution into an important academic center on the island following the development of the University of Puerto Rico campus (Martínez, 2024). In addition to the University of Puerto Rico, other educational institutions were established throughout the Río Piedras Urban Center. According to *Section 106, NHPA Effect Determination, CRP 000956, 2024*:

> *The role of Río Piedras as a commerce, transportation, and education center continued during the 20th century. The University of Puerto Rico (UPR) was established in 1903 as a land grant institution to the north of the railroad lines,*

> *which ran across the present Dr. José N. Gándara Avenue. For a modest start, the UPR eventually became an advanced academic and research institution. Escuela de Artes y Oficios (which became the University High School) was built in 1928 to the south of the railroad line, its Art Deco style façade facing North Street. Other key public and private schools were erected throughout the Río Piedras Traditional Center during the early 20th century: Hawthorne School (now Ramón Vilá Mayo School) was established in 1901, Luis Muñoz Rivera School in 1924, and José Celso Barbosa Graded School in 1928. Most of them are included in the "Early Twentieth Century Schools in Puerto Rico" NRHP inventory (NPS Reference #64501149), submitted in 1986 and reviewed in 2009. Prestigious private schools such as Colegio San Antonio, Colegio de San José, and Colegio La Milagrosa also attracted thousands of students, teachers, professionals, and diverse workers to the urban center.*

In this same research it is proposed that in the XX Century, Río Piedras continued to grow primarily to the east, following a trend that began in the late 19th century. The land west of Ponce de León Avenue remained dedicated to agricultural activities until the real estate boom that occurred after World War II. This eastward expansion was facilitated by the two main transportation routes in the area: De Diego Street and the railroad line, which ran parallel to the north. After railroad operations ceased, the railroad line was converted into Dr. José N. Gándara Avenue. Aerial photographs from this period confirm the above-mentioned data (see figures 12, 14, 17).

The growth of Río Piedras after the 1930s, coupled with the establishment of significant educational, institutional, cultural, and commercial centers in the area, played a crucial role in the commercial development and significance of De Diego Street. Additionally, the connection to important avenues like Ponce de León and its links to other towns on the island, such as Carolina, were vital to this growth. Finaly, Paseo de Diego was converted into a pedestrian promenade in 1981. To this day, it is one of the main accesses to the center of Rio Piedras.

On the other hand, along these axes (De Diego Street) were erected multiple buildings that today are part of the island's architectural heritage. For example, Colegio e Iglesia La Milagrosa (1930-1954, Spanish Revival and Neo-Gothic styles); Banco Territorial y Agrícola (1920, Neoclassical style); Banco Popular de Río Piedras (1965, International Style); Teatro Modelo (1939, Art Deco style), Teatro Martí (1945, Art Deco style). In addition, we found several properties listed in the National Register of Historic Places in the Río Piedras Town near the project: University of Puerto Rico Tower and Quadrangle (1984) - 0.24 miles north of the project area; Casa Vigil (2018) - 0.10 miles northeast of the project area; University of Puerto Rico Ladies Residence (2018) - 0.25 miles northeast of the project area.

Archaeological Potential

The archaeological potential of the APE is derived from centuries of occupation and urban development of Río Piedras Town. Remnants of the different periods of occupation can be found in the subsoil. Especially, from the historical period between the 18th century and the 20th century. The studies consulted during the investigation of the Section 106 NHPA Effect Determination (Dilan and others 2024) reveal that of the fourteen archaeological surveys conducted at a distance between 0 to 0.25 miles away from the project five yielded positive results. The findings were related to the historical archaeological context, such as brick culverts, infrastructural remains and features associated with the historical trolley. The positive archaeological studies closest to the project that support the archaeological importance of the area are:

- *Monitoring, Centro Histórico de Río Piedras, Proyecto Tren Urbano* by Marisol J. Meléndez Maíz, 2002, 0.00 mi.
- *Phase III, Tren Urbano Project, Río Piedras-UPR Alignment (Volumen 1: General Introduction, Discussion of Results & Interpretations)* by Marisol Meléndez Maíz, Jaqueline López, Sharon Meléndez & Leila Comulada, 2004, 0.00 mi. In this investigation a 19th century road known as Travesía de Río Piedras, was documented in a portion of the actual Juan Ponce de León Avenue.
- *Phase 1A, Historical Background of the Urban Development of Río Piedras & Caño Martín Peña Sector, Tren Urbano, San Juan Metropolitan Area*, by Marlene Ramos Vélez, 1995, 0.00 mi. The survey confirmed the historical importance of this area.
- *Phase 1A, Mejoras Geométricas Carr. PR-47* by Aramis Font Negrón, 2003, 0.15 mi NE. A historic box culvert was documented.
- Phase 1A, Urban Train for San Juan Metropolitan Area by Eduardo Questell Rodríguez, 1992, 0.04 mi W. Was reaffirmed the archaeological sensitivity of the Río Piedras Traditional Urban Center.

The potential for finding historic culture remains below the surface in the project area is high. The history of this road is related to the beginnings of Rio Piedras's development; therefore, in the subsoil, there could be material remains of Rio Piedras society from the XVIII century to the XX century. The probability of finding historical infrastructural elements such as drains, pipes, or others associated with the area's urban development as well as remains related to natural disasters such as hurricanes (See figure 13) is high. Furthermore, artifacts such as ceramic, metal, and glass remain related to the lifestyle and commercial significance of the street from the 20th century onward have been discovered during excavations.

The project area has seen significant changes due to utility installations, but there is still potential for archaeological resources to be found beneath the sidewalks and streets. In certain locations, the sidewalks will be widened, which means that some

archaeological resources in this area are still accessible for investigation (electrical infrastructure, historical sidewalks, gutters, construction materials amount others). Figures 8 and 10 show details about the elements of street composition in the early XX century as Sol Street. These remains could help us document the daily life of the city of Río Piedras during the 18th to 20th centuries. On the other hand,

> *The intersection between Paseo de Diego and Ponce de León Avenue potentially encompasses the most sensitive area within the boundaries of the direct APE, given the importance of Comercio Street (formerly Travesía de Río Piedras or Camino Real[3]), during the 19th century and early 20th century[4]*

In conclusion, due to its location, the project's APE has a potential for the presence of archeological resources from colonial times associated with the first inhabitants and the urban development of the town of Río Piedras during the last four centuries. The area is susceptible to the presence of artifacts related to trade, or structures of archaeological value. Below is a series of images related to the historical and archaeological importance of the site, as well as its historical uses in chronological order for a better understanding of its development.

In addition to the above, particular attention should be paid to when carrying out excavations or demolitions close to the facades of historic buildings located on both sides of the street. Besides, given the project's magnitude, if excavations, demolitions, or any ground disturbance are carried out simultaneously in several areas, it will be necessary to have several monitors on site.

[3] According to the Section 106 NHPA Effect Determination (CRP 000956), Travesía de Río Piedras (SJ0100036), 0.01 mi W is the street segment of the Ponce de León Avenue between Dr. José N. Gándara Street and 65 de Infantería Avenue that formed part of the historic Camino Real, traversing the Río Piedras Traditional Urban Center. The buildings along the street date from the early to mid-twentieth century, though the present Casa de la Cultura Ruth Fernández is a restored 19th century vernacular masonry and wood residence with a hipped metal roof.

[4] 2017 Disaster Recovery, CDBG-DR Program; City Revitalization Program (City-Rev); Section 106, NHPA Effect Determination, CRP 000956, 2024 by Heidi J. Dilan; edited by Jorge Lizardi Pollock, and Maritza Torres Martínez; edited by Jesus E. Vega, p. 25.

Figure 5. 1775. Detail of Manuel de Muesa map (*San Juan y su Región. Mapa de la Isla de Puerto Rico)*, showing the Río Piedras Town. (Source: Sepulveda, 151).

Figure 6. 1884. Croquis de Río Piedras, Manuel Moriano. In red, part of the proposed project in old Del Sol Street (Source: Archivo Digital Nacional de Puerto Rico. https://archivonacional.com).

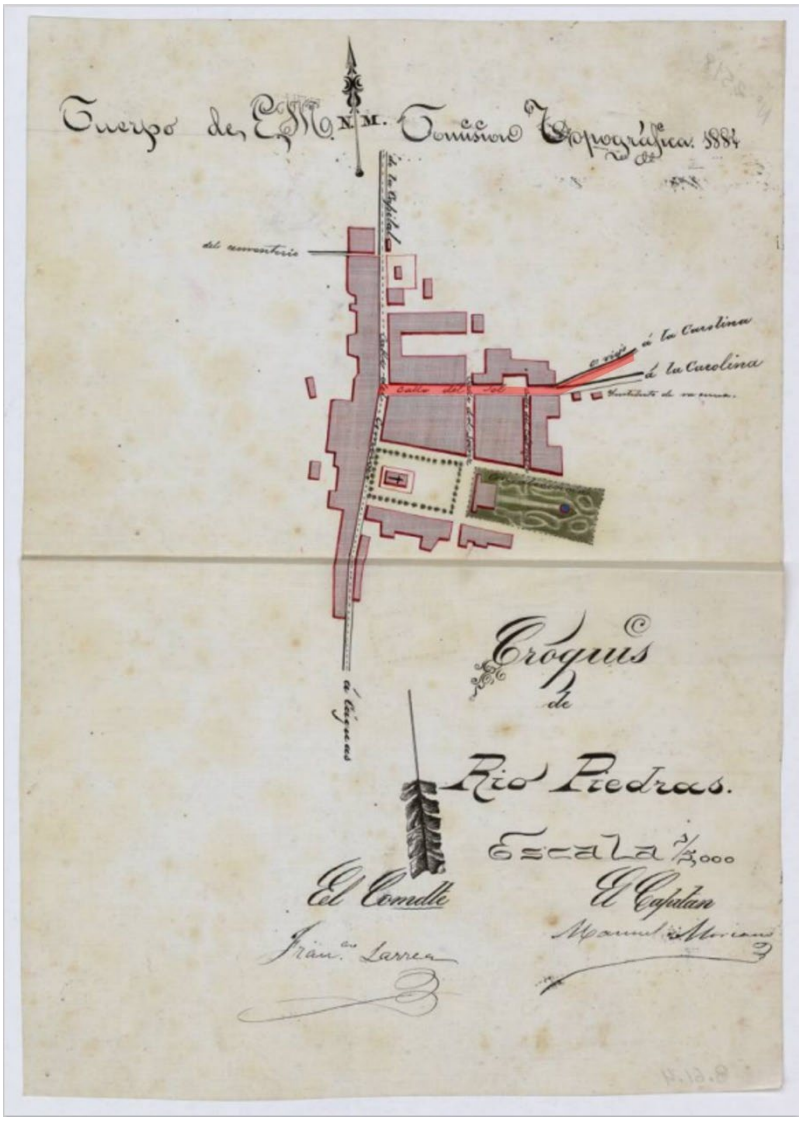


Figure 7. 1898. Entrance to the Rio Piedras Town (Source: Sepúlveda, 2004, p. 40).

Figure 8. Ca. 1903. Former Calle Sol today De Diego Street (Source: Sepúlveda 2004, p. 409).

Figure 9. Ca. 1910. Event in front of Rio Piedras Church and Plaza (First Communion or Confirmation Procession) (Source: Archivo Nacional Digital de Puerto Rico).

Figure 10. Ca. 1911. Former Calle del Sol, Rio Piedras (Source: Archivo Nacional Digital de Puerto Rico).

***Figure 11. Ca. 1920 pavement plan for the streets of Río Piedras, titled "Plano de Pavimentación de las Calles de Río Piedras (Source:* 2017 Disaster Recovery, CDBG-DR Program; City Revitalization Program (City-Rev); Section 106, NHPA Effect Determination, CRP 000956, 2024 by Heidi J. Dilan; edited by Jorge Lizardi Pollock, and Maritza Torres Martínez; edited by Jesus E. Vega).**

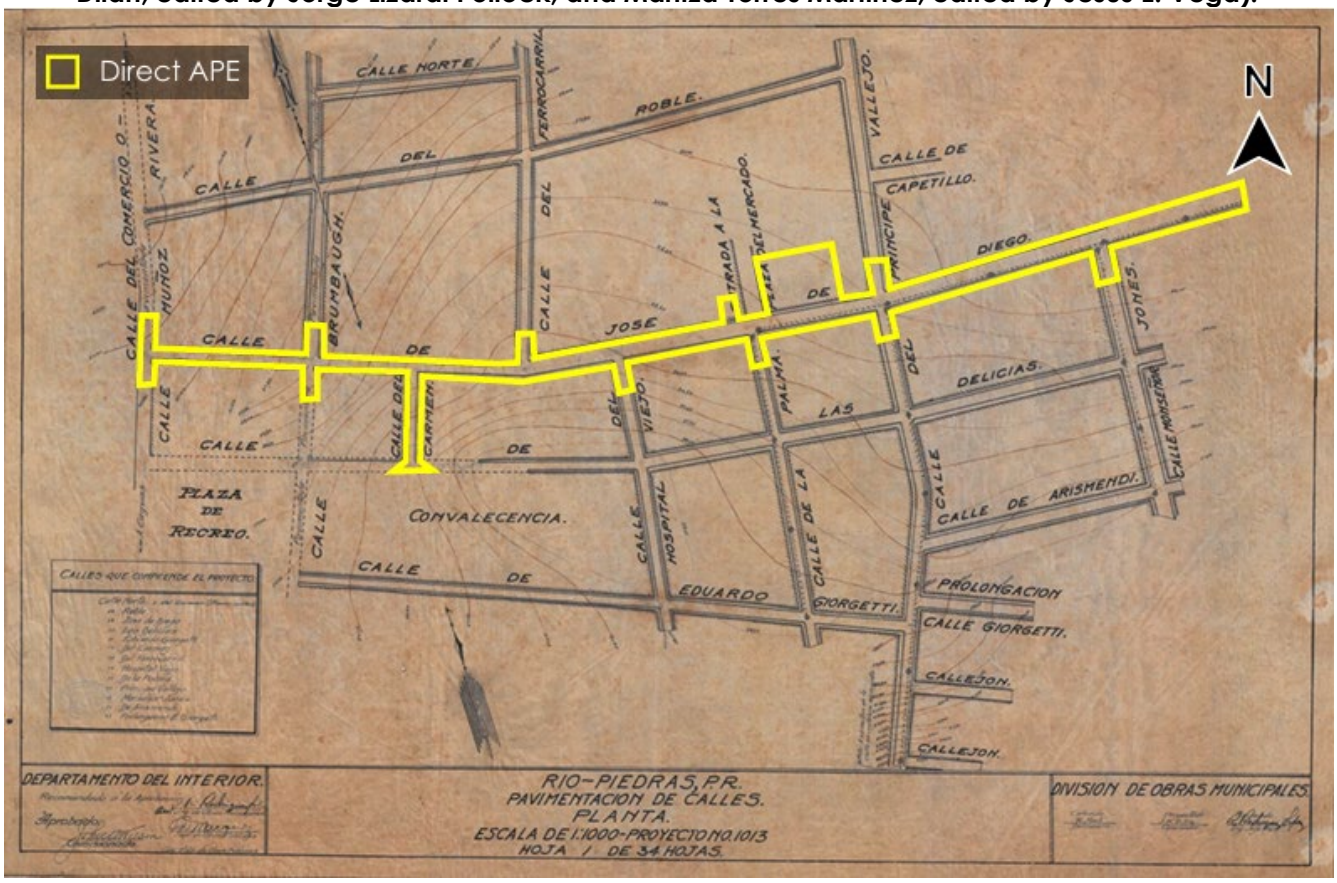


Figure 12. 1931, aerial photograph of the urban areas of Río Piedras *(Source:* 2017 Disaster Recovery, CDBG-DR Program; City Revitalization Program (City-Rev); Section 106, NHPA Effect Determination, CRP 000956, 2024 by Heidi J. Dilan; edited by Jorge Lizardi Pollock, and Maritza Torres Martínez; edited by Jesus E. Vega).

Figure 13. Ca. 1930's. Rio Piedras. The card pictures Hurricane Damage San Ciprian in 1932.

Figure 14. 1941 USGS topographic map (1:30,000 scale) of the Río Piedras Traditional Urban Center. Project APE is highlighted in yellow. *(Source:* 2017 Disaster Recovery, CDBG-DR Program; City Revitalization Program (City-Rev); Section 106, NHPA Effect Determination, CRP 000956, 2024 by Heidi J. Dilan; edited by Jorge Lizardi Pollock, and Maritza Torres Martínez; edited by Jesus E. Vega).

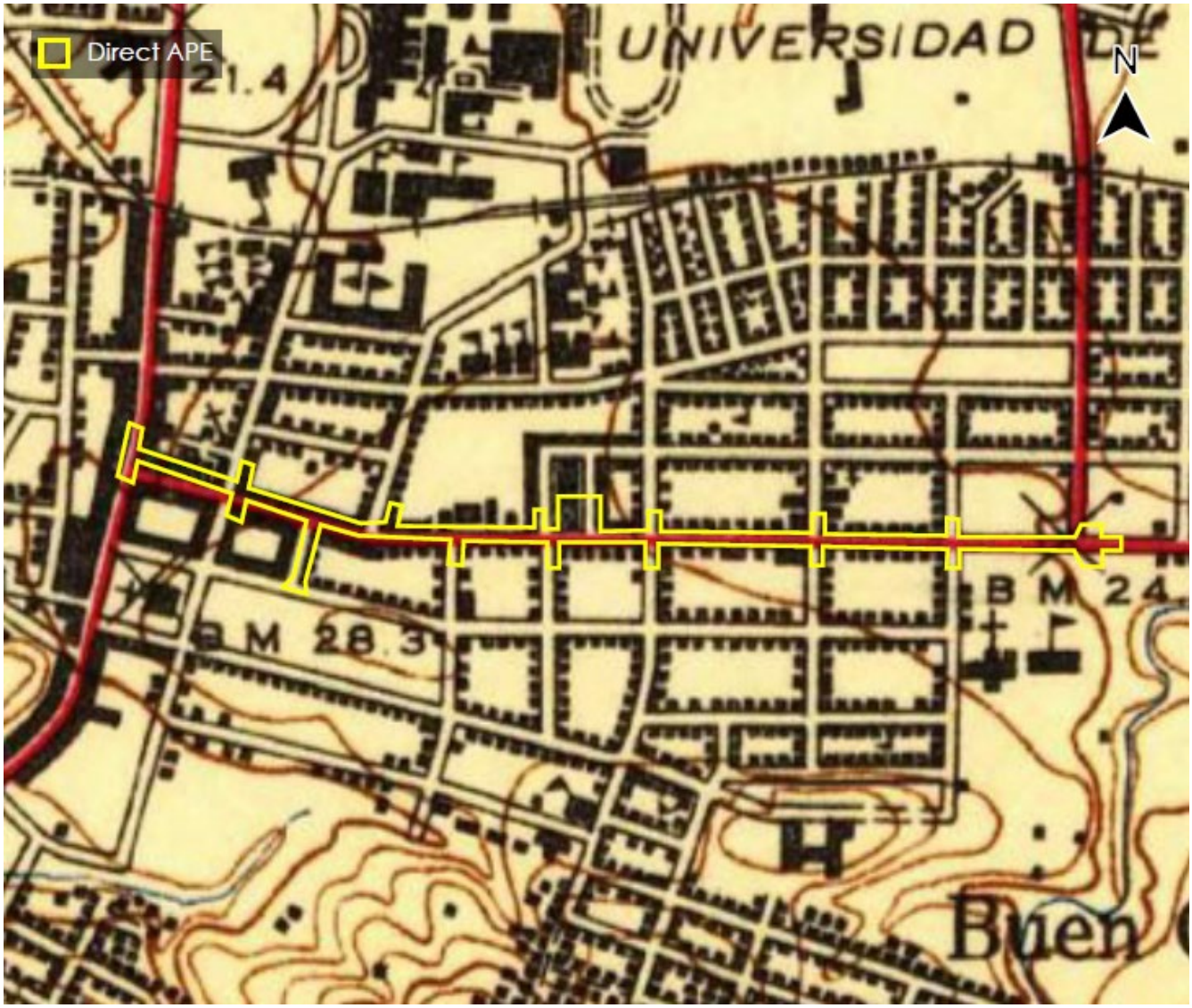


Figure 15. Ca. 1950. Río Piedras Catholic Church. Real Photo Post Card Photo by Jacques Lucas (Source: Archivo Histórico Fotográfico de Puerto Rico).

Figure 16. Ca.1950, De Diego Street, (Source: A. Hernández Mayoral, *Los Viejos Cines de Puerto Rico*, 2020, p. 269).

Figure 17. 1962, aerial photograph of the urban areas of Río Piedras *(Source:* 2017 Disaster Recovery, CDBG-DR Program; City Revitalization Program (City-Rev); Section 106, NHPA Effect Determination, CRP 000956, 2024 by Heidi J. Dilan; edited by Jorge Lizardi Pollock, and Maritza Torres Martínez; edited by Jesus E. Vega).

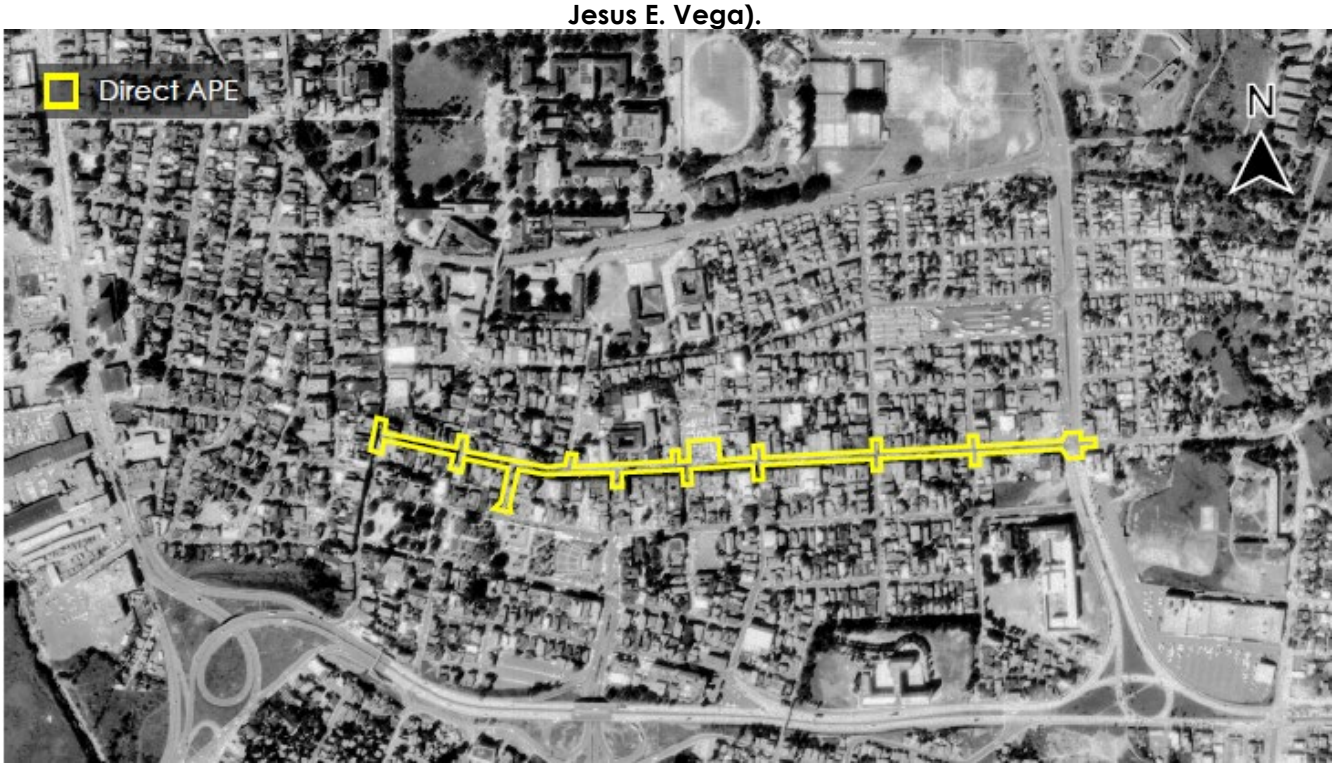


Figure 18. Project Existing conditions. A: intersection between the west entrance to Paseo de Diego and Ponce de León Avenue; B: West entrance of Paseo de Diego; C: intersection between the east end of Paseo de Diego and Ferrocarril Street.

A

B

C

3. ARCHAEOLOGICAL MONITORING PROCEDURE

The monitoring activities can be divided into three groups: activities before the project begins, activities during construction, and post-construction activities. Monitoring is limited to activities that entail demolition, excavations, and earth movements. Those reconstruction activities that do not entail excavations or earth movements do not require an archaeological monitor. However, if there are activities with heavy equipment taking place in the vicinity of historic buildings, there should be a monitor present to prevent accidents and indirect impacts.

A. Before Construction Begins

1. The Municipality/Construction Manager (CM) will notify the Project Manager (PM), Grant Manager (GM), and Monitor of the proposed activities' start date. The PM is responsible for coordination between the CM and the SOI-qualified archaeologist who will oversee the monitoring (Monitor).
2. Before any demolition or construction begins, the Municipality, PM, CM, GM, and Monitor will have a kickoff meeting to discuss the procedure for archaeological monitoring, including the coordination protocol between the Monitor and the Contractor. The Monitor will provide an orientation on the area's cultural resources and potential resources and their proper treatment. The Monitor will also explain which project activities require archaeological monitoring.
3. The Municipality, CM, PM, and construction crew will complete and sign a statement outlining the activities that may not be performed without the Monitor's presence, demonstrating their understanding and commitment to following the archaeological monitoring procedures.
4. The Monitor shall document the NHRP-eligible or potentially eligible building through detailed descriptions, photos, and scale drawings. Particular attention shall be paid when carrying out excavations or demolitions close to the facades of historic buildings located on both sides of the street and to other associated structures that may exist within the project's area of potential effect. This data must be included in the final report.

B. During Demolition and Construction

1. The Monitor shall be in the field during the project activities involving demolition and ground disturbance, and activities with heavy machinery or lightweight equipment in the vicinity of historic buildings; access and clear sightlines to all demolition and excavation activities and debris removal will be provided to the Monitor.
2. All demolition near the buildings facades must be done with light

machinery to avoid damaging structures.

3. The Monitor shall provide instructions directly to the construction field personnel concerning how to proceed when there is a potential to impact an archaeological resource. The construction field personnel will abide by these requests: excavate slowly, stop the excavation work to evaluate a finding, etc.
4. The Monitor shall keep a record of monitored activities. The Monitor shall fill out the Daily Record of Activities Form (see **Appendix A**). These forms should be sent weekly to the GM for review and will be attached to the final report as an appendix.
5. After the demolition and removal of surfaces, the Monitor shall document any exposed subsurface feature and shall complete a scale plan drawing. The amount, size, and placement of excavation units needed to document the features, if any, shall depend on the size and complexity of the feature being documented. If necessary to understand the context of the identified resource, the Monitor should conduct archival research of primary sources (like previous project files, newspapers, journals), cartographic sources, and historical images.
6. The Monitor shall document all other archaeological remains identified during construction activities, except for previously unidentified historically significant findings (refer to B-8 below). The documentation shall include a detailed description of the discovery, context, horizontal and vertical provenience, photos, and a plan drawing. This documentation shall be done within a reasonable amount of time, trying not to impact on the project schedule as much as possible.
7. Any subsurface feature may be demolished and removed after being documented by the Monitor and approved by the GM. The information recorded will be included in the final report.
8. If the identified archaeological remains are considered historically significant – i.e., complex structures, precolonial remains or stratified deposits – the Monitor shall instruct the construction crew to (1) immediately cease work in the vicinity of the discovery, (2) take all reasonable measures to avoid or minimize harm to the property, and (3) notify the Municipality, PM, CM, and GM. The GM shall immediately notify the SHPO, as per stipulation III.B.1.b. of the PA. The following protocol shall be followed:
    a. The Monitor shall make a preliminary assessment of the findings. The assessment shall include a description of the discovery, location, horizontal and vertical extent (if known), context, photographs, and drawings including a site plan. The assessment shall also include a work plan for implementing a National Register of Historic Places' eligibility evaluation of the exceptional remains.
    b. The assessment and NRHP-eligibility evaluation work plan shall be

submitted via email to the PM and GM within 24 hours of the discovery. The GM will comment on the work plan within 24 hours of receiving it.

c. The Monitor shall implement the work plan after receiving the GM's authorization to proceed. After completing the fieldwork, the Monitor shall prepare an End of Field Report, summarizing the results. Said report should include an NRHP-eligibility determination. The End of Field Report shall be submitted via email to the PM and GM within 48 hours after completing the fieldwork.

d. The GM shall notify the SHPO of the NRHP-eligibility determination.

   i. If the finding is **not eligible** to the NRHP, the GM shall notify the SHPO and provide supporting documentation. Construction activities may resume under archaeological monitoring unless the SHPO disagrees with the NRHP determination and makes a timely objection within 48 hours of the notification.

   ii. If the finding is **eligible** to the NRHP, the criteria of adverse effect shall be applied. If the project activities do not adversely affect the findings, the GM shall notify the SHPO and provide supporting documentation. Construction activities may resume under archaeological monitoring unless the SHPO makes a timely objection within 48 hours of the notification.

   If the project activities have an **adverse effect** on the NRHP-eligible finding, a Data Recovery will be implemented as a Treatment Measure per Appendix F of the PA. The Monitor shall develop a data recovery plan with a research design consistent with the Secretary of the Interior's Guidelines for Archeological Documentation (http://www.nps.gov/history/locallaw/arch_ stnds_7.htm) and the Advisory Council on Historic Preservation's (ACHP) recommendations on the recovery of significant information from archaeological sites as updated in 2009, at https://www.achp.gov/protectinghistoricproperties/Section_106 _Archaeology_ Guidance. The data recovery plan shall be submitted via email to the GM for comments. The GM shall be responsible for submitting the data recovery plan to the SHPO for comments and approval. This treatment measure does not apply to burials or human remains (refer to II.B.11 of this work plan).

9. If any additional construction activities are added or design changes are made after the project has begun, the Municipality, CM and PM shall inform the GM and the Monitor prior to performing the work. The Monitor, in

conjunction with GM, shall evaluate these activities and apply the adverse effect criteria. If it is determined that the effect is adverse, the archaeologist will provide recommendations on how to avoid, minimize, or mitigate the adverse effect. These recommendations will be consulted with the SHPO prior to implementation. The SHPO will have 15 days to comment on the recommendations. If no communication is received within that time frame it will be assumed that the SHPO has no objection and concurs with the recommendations outlined.

10. If during construction activities historic property is affected in an unanticipated manner, the CM shall stop work immediately, and inform the Municipality, PM, GM and Monitor. The Monitor, in conjunction with GM, shall evaluate the unanticipated effects and apply the adverse effect criteria within no more than 24 hours. If the effect is determined to be adverse, the Monitor and GM will provide recommendations on how to avoid, minimize, or mitigate such adverse effects. The GM shall consult with the SHPO on the recommendations prior to implementation. The SHPO will have 48 hours to comment on the recommendations. If no communication is received within that timeframe, it will be understood that the SHPO has no objection and concurs with the recommendations outlined.

C. After Construction Ends

1. Upon the completion of archaeological monitoring, the Municipality, PM and GM shall be notified. The estimated date of delivery of the final report shall be indicated in the said notification.
2. A technical report shall be prepared detailing monitored construction activities, documentary research (if any), documentation archaeological features and other findings, and analysis and interpretation of the results. The report must include visual information, such as drawings and photos, and a sketch plan of all the documented findings. The report shall be submitted to the GM no later than six (6) weeks after completing the archaeological monitoring work. The GM shall submit the report to the SHPO no later than one (1) week after receiving it.

CI. Human Remains

If human remains are discovered, the protocol established in Stipulation III.B.1.c. of the PA must be followed:

1. Stop working immediately.
2. Notify the local law enforcement office and coroner/medical examiner following applicable Commonwealth statute(s).
3. Protect the remains from any harm.
4. The GM shall be responsible for notifying the SHPO within twenty-four (24) hours of identifying human remains.

4. PROFESSIONAL QUALIFICATIONS

The Monitor must meet the minimum Secretary of the Interior Professional Qualifications Standards for Archaeology established in 36CFR Part 61. These are: a graduate degree in archaeology, anthropology, or closely related field, plus at least one (1) year of full-time professional experience or equivalent specialized training in archaeological research, administration, or management; at least four (4) months of supervised field and analytic experience in general Puerto Rican archaeology; the demonstrated ability to carry research to completion; and at least one (1) year of full-time professional experience at a supervisory level in the study of archaeological resources of the pre-Columbian and colonial periods. Please see https://www.nps.gov/history/local-law/arch_stnds_9.htm for more information.

The SOI-qualified archaeologist shall not defer their monitoring responsibilities to any other person who does not meet the minimum professional qualifications. Any additional personnel to intervene in monitoring efforts shall have vast experience in historic archaeology, in working in evaluation (Phase II), documentation (Phase III), and monitoring projects dealing with colonial period properties.

The Principal Investigator may not transfer his or her duties, obligations, and responsibilities to subordinates or other technicians who are not professionally trained in archaeology. In the case of hiring archaeologists and trained technicians to assist in archaeological monitoring, the Principal Investigator must be present for at least 25 percent of the duration of the fieldwork to supervise them.

5. CITED REFERENCES

Advisory Council on Historic Preservation
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s/f "Archeology and Historic Preservation: Secretary of the Interior's Standards and Guidelines for Identification". http://www.cr.nps.gov/local-law/arch_stnds_5.htm.

Puerto Rico State Historic Preservation Office (PRSHPO)

1993 *Guía para hacer investigaciones arqueológicas Fases I, II y III.* San Juan: Oficina del Gobernador.

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APPENDIX A: MONITORING DAILY ACTIVITY SHEET

	PUERTO RICO 2017 DISASTER RECOVERY **City Revitalization Program** **ARCHAEOLOGICAL MONITORING DAILY RECORD OF ACTIVITIES**
Case ID:	**Project Location:**
Municipality:	**Project Coordinates** (lat/long)**:**

SOI Qualified-Archaeologist:
Date of Monitoring: Click or tap to enter a date.
Work Hours:

Description of work performed by contractor and supervised by the Monitor:

	YES	NO
Was an archaeological remain documented during the day. If yes, include the required information below.	☐	☐
Was an exceptional archaeological remain identified during the day? If yes, explain below.	☐	☐
Have the construction activities affected a previously unidentified property or a known historic property in an unanticipated manner? If yes, explain below.	☐	☐
Has there been a change in the scope of work of the project? If yes, explain below.	☐	☐

	PUERTO RICO 2017 DISASTER RECOVERY **City Revitalization Program** **ARCHAEOLOGICAL MONITORING DAILY RECORD OF ACTIVITIES**
Case ID:	**Project Location:**
Municipality:	**Project Coordinates** (lat/long)**:**

Site Photos	
Direction of Photo: Click here to enter text. **Description:** Click here to enter text.	
Direction of Photo: Click here to enter text. **Description:** Click here to enter text.	

APPENDIX B: 60% DESIGN PLANS

GOVERNMENT OF PUERTO RICO
STATE HISTORIC PRESERVATION OFFICE
Executive Director | Carlos A. Rubio Cancela | carubio@prshpo.pr.gov

Friday, November 8, 2024

Lauren B Poche

269 Avenida Ponce de Leon, San Juan, PR, 00917

SHPO-CF-10-09-24-03 PR-CRP-000956 (San Juan), Paseo de Diego

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.
After a review of all the documentation, the PRSHPO agrees with your finding that the proposed project with the established conditions, will have no adverse effect upon historic properties:
1. An Archaeological Monitoring Plan for the rehabilitation of Paseo de Diego and José de Diego Avenue (State Road PR-47) must be submitted and approved by the Puerto Rico State Historic Preservation Office (PRSHPO) and implemented by an SOI-Qualified Archaeological Monitor during all proposed ground-disturbing activities from Zone 1 to Zone 4 given the potential for intact deposits and overall sensitivity of the Río Piedras Traditional Urban Center.
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/ SG

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

10/9/2024

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-000956, Paseo de Diego, San Juan, Puerto Rico – *No Adverse Effect, Conditioned*

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, PRDOH contracted Horne Federal, LLC (HORNE) to provide environmental records review services that will support their objectives for the CDBG-DR funds.

On behalf of PRDOH, HORNE is submitting documentation for the proposed Paseo de Diego Project in the Río Piedras Traditional Urban Center, which is eligible for listing in the National Register of Historic Places. The Municipality of San Juan proposes to improve Paseo de Diego and José de Diego Avenue (State Road PR-47). The project is divided into four zones. Zone 1 spans the Paseo de Diego promenade from Poncede León Avenue (State Road PR-25) to Brumbaugh Street, Zone 2 continues from Brumbaugh Street to Ferrocarril Street, Zone 3 spans José de Diego Avenue (State Road PR-47) from Ferrocarril Street to Vallejo Street, and Zone 4 continues along José de Diego Avenue (State Road PR-47) from Vallejo Street to José Celso Barbosa Avenue (State Road PR-27). Improvements include repaving the streets, sidewalk widening and improvements, landscaping, a new bicycle lane, replacement of sewers and drainage system, installation of a security system, internet infrastructure,

and the installation of benches, bus stops, bicycle racks, and permanent trash cans. New safety measures will include pedestrian crossings, retractable bollards, speed bumps at strategic locations, and lighting. The full scope of the project is described in the submitted documentation, which includes mapping, photographs, and the 60% design development plans.

Based on the provided documentation, the Program requests a concurrence with a determination that "No Adverse Effect" is appropriate for this undertaking, conditioned to archaeological monitoring during all ground-disturbing activities. If this condition is deemed appropriate, An archaeological monitoring plan will be prepared and submitted to the PRSHPO for review and concurrence of the appropriateness of its implementation for this undertaking.

If you have any questions or concerns, please contact me by email at lauren.poche@horne.com or phone at 225-405-7676.

Kindest regards,

Lauren Bair Poche. M.A.
Architectural Historian, EHP Senior Manager
LBP/KPS

Attachments

PR-CRP-000956

Paseo de Diego

San Juan, 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: Municipality of San Juan	
Project ID Number: PR-CRP-000956	
Project Name: Paseo de Diego	

Project Location: Paseo de Diego, José de Diego Avenue (State Road PR-47), Río Piedras Ward, San Juan PR 00925	
Project Coordinates: Ponce de León Avenue/State Road PR-25 Intersection (18.399080, -66.052401) Brumbaugh Street Intersection (18.398811, -66.051389) Del Carmen Street Intersection (18.398622, -66.050734) Ferrocarril Street Intersection (18.398480, -66.050005) Camelia Soto Street Intersection (18.398466, -66.049412) Monseñor Torres Street Intersection (18.398454, -66.048486) Vallejo Street Intersection (18.398444, -66.047554) Monseñor William Torres Street Intersection (18.398424, -66.046028) Padres Capuchinos Street Intersection (18.398407, -66.044776) Dr. José Celso Barbosa Avenue/State Road PR-27 Intersection (18.398401, -66.043474)	
TPID (Número de Catastro): N/A	
Type of Undertaking: ☒ Substantial Repair/Improvements ☐ New Construction	
Construction Date (AH Est.): 1981	**Property Size (Acres):** 4.35 acres

SOI-Qualified Architect/Architectural Historian: Heidi J. Dilan, Ph.D.; edited by Jorge Lizardi Pollock, Ph.D.
Date Reviewed: May 20, 2024; Revised on September 2, 2024; October 2, 2024
SOI-Qualified Archaeologist: Maritza Torres Martínez, Ph.D.; edited by Jesus E. Vega, Ph.D.
Date Reviewed: May 23, 2024; Revised on September 2, 2024; October 2, 2024

In compliance with Section 106 of the National Historic Preservation Act (NHPA), the Program is responsible for identifying historic properties listed in the 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. It has been determined by the SOI-qualified professionals that the project undertaking does not conform to Stipulation II.A (Project Review – Programmatic Allowances) of the Section 106 Programmatic Agreement (PA) among FEMA, SHPO and COR3, as amended (May 3, 2023).

Project Description (Undertaking)

The Municipality of San Juan proposes improvements to the public infrastructure of *Paseo de Diego* and José de Diego Avenue (State Road PR-47), a pedestrian promenade and main avenue spanning across the Río Piedras Traditional Urban Center (TUC). The promenade, streets, and sidewalks will be demolished and reconstructed with the correct measurements, superior surface quality, efficient drainage, universal accessibility, safe connections, attractive spaces, permanent security features, and consistent labeling. All proposed improvements will comply with existing laws, including but not limited to the 2021 International Building Code (IBC), 2018 Puerto Rico Building Code, and 2010 ADA Standards for Accessibility Design.

The entire length of the project will be divided into different zones, each prescribed with similar general improvements. Zone 1 spans the *Paseo de Diego* promenade from Ponce de León Avenue (State Road PR-25) to Brumbaugh Street and will feature complete street and pavement rehabilitation as an exclusively pedestrian area (estimated maximum ground disturbance of three feet); multi-use pedestrian and congregation areas for the community; curb and sidewalk rehabilitation for universal accessibility; installation of benches for sitting; planting of vegetation to provide shade; and construction of "parklets" to embellish the viewshed.

Zone 2 continues along the *Paseo de Diego* promenade from Brumbaugh Street to Ferrocarril Street and will feature complete street and pavement rehabilitation as a pedestrian area with limited vehicular access during the night through a continuous single-lane street (estimated maximum ground disturbance of three feet); installation of benches for sitting; planting of vegetation to provide shade; and construction of "parklets" to embellish the viewshed.

Zone 3 spans José de Diego Avenue (State Road PR-47) from Ferrocarril Street to Vallejo Street and will feature complete street and pavement rehabilitation as a continuous, semi-vehicular street (estimated maximum ground disturbance of three feet); repair or replacement of bollards as deemed necessary; planting of vegetation to provide shade; and construction of "parklets" to embellish the viewshed.

Zone 4 continues along José de Diego Avenue (State Road PR-47) from Vallejo Street to José Celso Barbosa Avenue (State Road PR-27) and will feature complete street and pavement rehabilitation as a completely vehicular street (estimated maximum ground

disturbance of three feet); sidewalk, curb, and gutter improvements; new layer of asphalt pavement throughout the entire street (estimated maximum ground disturbance of four inches); installation of benches for sitting; and planting of vegetation to provide shade.

Safety measures throughout *Paseo de Diego* and José de Diego Avenue (State Road PR-47) include pedestrian crossings on each street intersection; retractable UFO-style bollards anchored by a metal rod approximately three inches below the ground surface at the entrances to *Paseo de Diego* from Brumbaugh Street, Del Carmen Street, and Ferrocarril Street; speed bumps at strategic locations; signage bases and posts that will be removed along with other obstacles; and new vandal-resistant LED lighting system powered by photovoltaic panels (estimated depths between 4'7" and 5'5" depending on the height of the pole).

Other improvements include the construction of a new bicycle lane; widening of sidewalks (estimated maximum ground disturbance of three feet); extensive cleaning of all surfaces, including areas with greases and glues to be removed with specialized products; replacement of sewers and drainage system; installation of a security system for crime deterrence, internet infrastructure to provide wireless connection, and a sound system for ambient music and public announcements; demolition of the existing metallic umbrellas and their concrete bases; removal of decorative towers at both ends of the pedestrian promenade; painting of building façades; installation of urban mobiliary that includes benches of different styles anchored with a threaded rod about three inches deep, bus stops, bicycle racks, and permanent trash cans anchored with a quarter-inch by three inches of rebar about three inches deep; and the use of sustainable reforestation and landscape architecture, including the removal of dead trees and pruning of living ones. New trees will be planted two to three feet below the ground surface (depending on root length) and supported by wooden stakes measuring four inches in length and two inches in width.

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 APE for this project encompasses the *Paseo de Diego* pedestrian promenade from Ponce de León Avenue (State Road PR-25) to Ferrocarril Street, including Del Carmen Street from Paseo de Diego to Arzuaga Street which runs on a north-south axis. The direct APE

continues on José de Diego Avenue (State Road PR-47), from Ferrocarril Street to José Celso Barbosa Avenue (State Road PR-27). *Paseo de Diego* measures approximately 260 linear meters, while José de Diego Avenue nears 680 linear meters, totaling 17,589.91 square meters.

The visual or indirect APE is the viewshed of the proposed project, which has been defined as the properties surrounding *Paseo de Diego* and José de Diego Avenue, some of which are considered eligible to the National Register of Historic Places (NRHP) and contributing to the Río Piedras Traditional Urban Center. The viewshed comprises approximately 48,775.74 square meters. *Paseo de Diego*, from Ponce de León Avenue to Ferrocarril Street, is flanked on both sides by early to mid-20th century mix-use buildings with varying architectural styles such as Spanish Revival, Beaux Arts, Art Deco, and Modern. Each intersecting street along *Paseo de Diego* peers into the heart of the Río Piedras Traditional Urban Center. The *Banco Popular*, *Banco Territorial y Agrícola*, *Cine-Teatro Paraíso*, and *Antigua Alcaldía* are all NRHP-eligible historic buildings visible from the Ponce de León Avenue intersection. *Parroquia Nuestra Señora del Pilar* and *Plaza de la Convalecencia* are visible from the south end of Del Carmen Street. Ponce de León Avenue, or Carretera *Central*, is the only visible NRHP-listed historic property also within the direct APE, as it intersects the west entrance of *Paseo de Diego* perpendicularly.

Besides *Colegio e Iglesia La Milagrosa* and *Plaza del Mercado Rafael Hernández Marín*, there are generally less NRHP-eligible historic buildings along José de Diego Avenue, from Ferrocarril Street to José Celso Barbosa Avenue. This area is a lively commercial hub for local retail stores and street vendors lining the sidewalks. The footprints of most buildings fill their respective land lots, are divided by party walls, and also exhibit a mix of architectural styles. Despite lacking historical integrity and not being individually eligible, those buildings contribute to the urban layout by aligning their façades to the street and exhibiting mostly uniform heights. This urban pattern tapers off around the Monseñor William Jones Street intersection and toward José Celso Barbosa Avenue, replaced by pay-per-hour parking lots, small food kiosks, and chain stores established in the late 20th century with wide interstitial space in-between. There are no NRHP-eligible historic buildings in this area.

Historic Context

The pre-Columbian heritage of Río Piedras Ward, and the overall Municipality of San Juan, has been decimated by rapid urban development during the 20th century. No prehistoric sites of any era have been discovered within the historic boundaries of Río Piedras. The few

surviving archaeological sites are mostly concentrated along the northern coastline, such as Vega-Vicente (SJ0100026), a submerged Archaic site (ca. 4000 BC - 200 AD) northwest of Punta Piedrita, El Condado, and La Ceiba/St. Mary's (SJ0100004), an inland Ostionoid site (ca. 600 AD - 1200 AD) also located in El Condado. Lorraine (SJ0100003), another Pre-Columbian site, was detected near Condado Lagoon to the south, in the Miramar neighborhood. Los Dominicos (SJ0100001), Plaza del Quinto Centenario (SJ0100028), and Yacimiento San Juan 2/Paseo Muñoz Rivera/Puerta de Tierra (SJ0100002) are multicomponent sites located within San Juan Islet. The only Pre-Columbian site reported several miles inland, within the Municipality of San Juan, is the multicomponent El Coquí 1 y 2 (SJ0100007), detected during the development of *Los Paseos*, a suburban neighborhood south of State Road PR-199 and east of Río Piedras River.

The town of Río Piedras was officially established in the early 19th century, but its existence can be traced back to the 17th century; a small village near one of its several creeks called *De los Muertos* is mentioned in a memoir written by Bishop Fray Damian López de Haro. The village was known as *El Roble*, which grew around a small hermitage and cemetery used by people living in the fertile lands near Río Piedras. By 1823, the town of Río Piedras featured a more consolidated urban grid, with a basic street layout encompassing the existing Robles Street, the old Nuestra Señora del Pilar Parish, a town hall, a public plaza, and a jail.

According to a *croquis* of Río Piedras prepared in 1884 by the Spanish Corps of Military Engineers, De Diego Street was known as Del Sol Street and extended three blocks to the east until its intersection with Camelia Soto Street, which marked the eastern edge of the town (Figure 1). From then on, it forked into two roads to leading to Carolina: one named *Camino Viejo* and the other simply *A Carolina*. The last one seems to have followed the present road until its intersection with 65 de Infantería Avenue, inaugurated in 1951, which mostly runs on the footprint of this old road ("Nombran Avenida 65 de Infantería", El Mundo, October 9, 1951, p. 17, El Mundo Digital Archive). The so-called *Camino Viejo* disappeared under new urban development, such as the *Colegio La Milagrosa*, established in the 1920s, and the *Plaza de Mercado*, opened to the public in 1918 (Fuster and Davis, San Juan Siempre Nuevo). To the south of De Diego Street, the *croquis* identifies the present Arzuaga and Georgetti Streets, which also extended to Camelia Soto Street. The small original parish of La Virgen del Pilar aligned its façade with Ponce de León Avenue (formerly *Travesía de Río Piedras* or Comercio Street) and enjoyed a large atrium on its west side surrounded by trees. What is now Martín Brumbaugh Street separating this forested atrium from the demolished *Casa y Parque de la Convalecencia*, which is especially emphasized in the

sketch. The town extended to the north along the blocks formed by Robles Street, De Diego Street, and Ponce de León Avenue, which seemed to be inhabited on both east and west sides. The town ended to the south in the present Julián Blanco Street, and to the north in Amalia Marín Street.

The Spanish colonial government officially recognized the settlement as part of the efforts to reorganize the municipal administration and military presence throughout the island. Its inception as an urban center was modest, but the town steadily grew until 1898. The *Camino Real* or *Travesía* (later Road No. 1) passed through Río Piedras and transformed the town into a strategic transportation and commerce hub between the island's interior and southern municipalities and the capital city of San Juan. Twenty-seven years later, Governor Norzagaray ordered the extension of one of the oldest streets in Río Piedras, linking the *Camino Real* to the towns of Trujillo Alto and Carolina to the east. Formerly known as *Travesía del Sol*, the street was renamed as De Diego Street. The prolongation of De Diego Street reinforced Río Piedras as a communication node with the *haciendas* and towns to the south and east of the island (Marcial Ocasio, Informe Histórico). In fact, Pablo Ubarri e Iramátegui, *Conde de Santurce*, a landlord and entrepreneur, established a regular horse tram company (and eventually a railroad network) between Río Piedras and Carolina, with its workshops located in the today's González Street.

The airy landscape of Río Piedras incentivized wealthy families from San Juan (like the Ubarri Family) and other areas to build summer houses. The *Parque de la Convalecencia* was constructed for those families and as an amenity for the Spanish governors and military officers, along with a vocational house built in the park. The railroad lines toward the east used to run along the present Añasco Street and Dr. José N. Gándara Avenue. Del Sol Street also communicated with eastern towns, especially with Carolina. Seven private and public schools were established in the area, cementing Río Piedras as an economic, social, and cultural center before the U.S. Invasion of 1898. Drugstores, a small hospital, health clinics, an ice factory, a telegraph post, and iron workshops were established along the *Travesía de Río Piedras* (today's Ponce de León Avenue), while shops, warehouses, and private residences of landowners and entrepreneurs cropped up along Sol Street (De Diego Street). In the following decades, De Diego Street became the most important street within the Río Piedras Traditional Urban Center after the Ponce de León Avenue.

A pavement plan for the streets of Río Piedras, prepared some years after the first public marketplace inaugurated in 1918 (and then demolished in the late 1950s), demonstrates that by 1920, Sol Street had been renamed to commemorate the death of José de Diego,

a prominent Puerto Rican lawyer, politician, and writer who had died in 1918 (Figure 2). According to the plan, De Diego Street was the longest paved road in Río Piedras, extending from its intersection with Comercio Street to what is today the intersection with Padre Capuchinos Street. From this point onwards it was still called *Camino a la Carolina*.

The role of Río Piedras as a commerce, transportation, and education center continued during the 20th century. The University of Puerto Rico (UPR) was established in 1903 as a land grant institution to the north of the railroad lines, which ran across the present Dr. José N. Gándara Avenue. For a modest start, the UPR eventually became an advanced academic and research institution. *Escuela de Artes y Oficios* (which became the University High School) was built in 1928 to the south of the railroad line, its Art Deco style façade facing North Street. Other key public and private schools were erected throughout the Río Piedras Traditional Center during the early 20th century: Hawthorne School (now Ramón Vilá Mayo School) was established in 1901, Luis Muñoz Rivera School in 1924, and José Celso Barbosa Graded School in 1928. Most of them are included in the "Early Twentieth Century Schools in Puerto Rico" NRHP inventory (NPS Reference #64501149), submitted in 1986 and reviewed in 2009. Prestigious private schools such as *Colegio San Antonio*, *Colegio de San José*, and *Colegio La Milagrosa* also attracted thousands of students, teachers, professionals, and diverse workers to the urban center. At some point after 1950, Río Piedras housed near 30,000 inhabitants within the boundaries of its TUC and more than 140,000 within its periphery (Marcial Ocasio, Informe Histórico).

In the 1950s, Río Piedras was stripped of its municipal government and integrated into the Municipality of San Juan. Intensive agricultural activities rapidly disappeared from the area and were soon replaced by suburban housing development. Nevertheless, the teaching institutions, commercial deeds, and the role as a transportation hub upheld and boosted the area's character as one of the most important commercial and educational centers of San Juan until the late 1980s.

Aerial photographs from 1931 and 1936 demonstrate that Río Piedras grew mostly to the east, continuing the trend since the late 19th century (Figures 3, 4, and 5). The lands west of Ponce de León Avenue continued to be used for agricultural activities until the real estate boom that took place after the end of World War II. This eastbound growth occurred along the two main transportation routes to the east: De Diego Street and the railroad line, which ran parallel to the north. After railroad operations ceased, the latter became Dr. José N. Gándara Avenue.

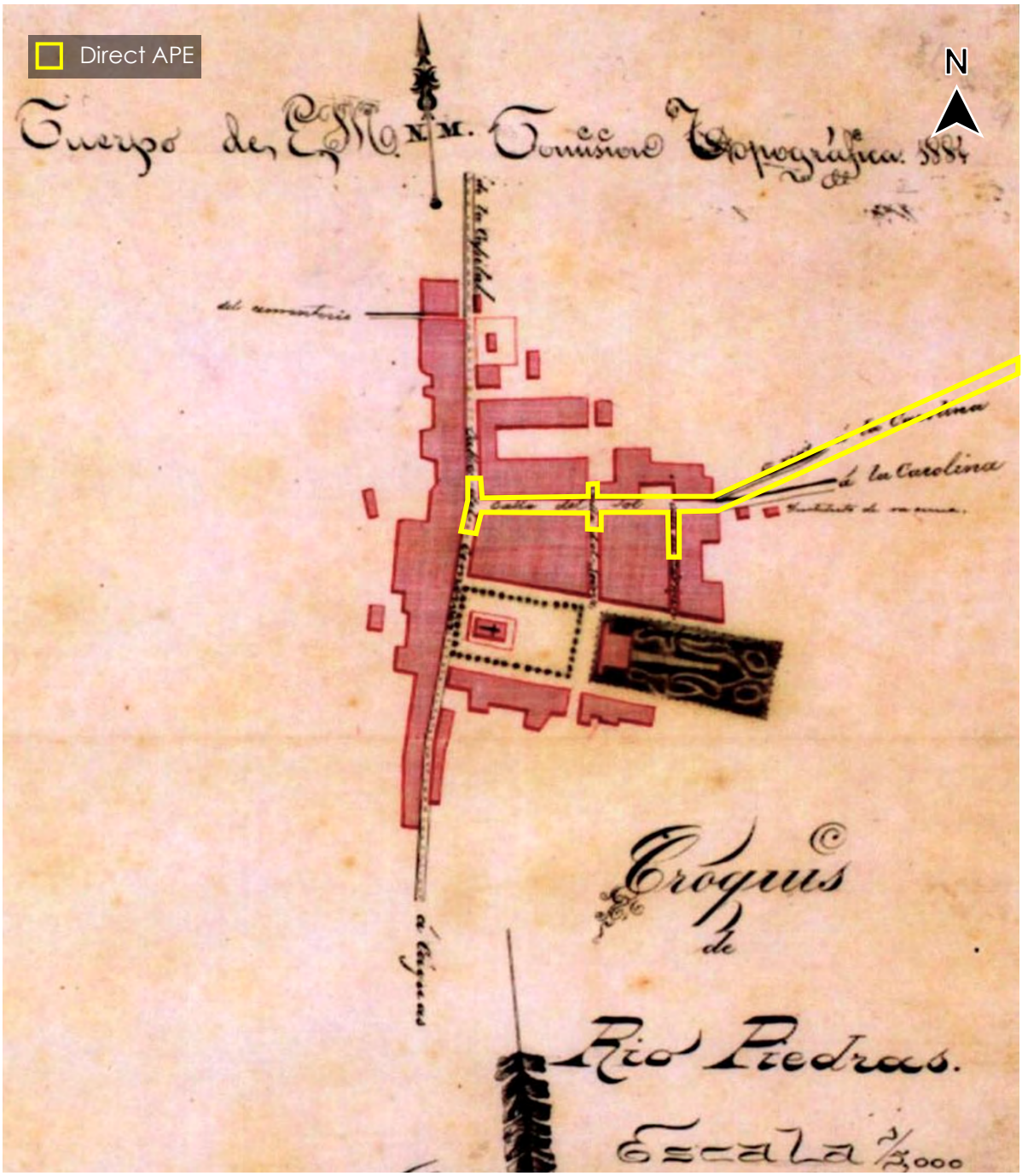


Figure 1. 1884 military sketch of the town of Río Piedras by the *Cuerpo de Ingenieros*. (Source: Aníbal Sepúlveda, *San Juan: Historia ilustrada de su desarrollo urbano, 1508-1898*. San Juan: Carimar, 2003, Vol. 3, p. 399).

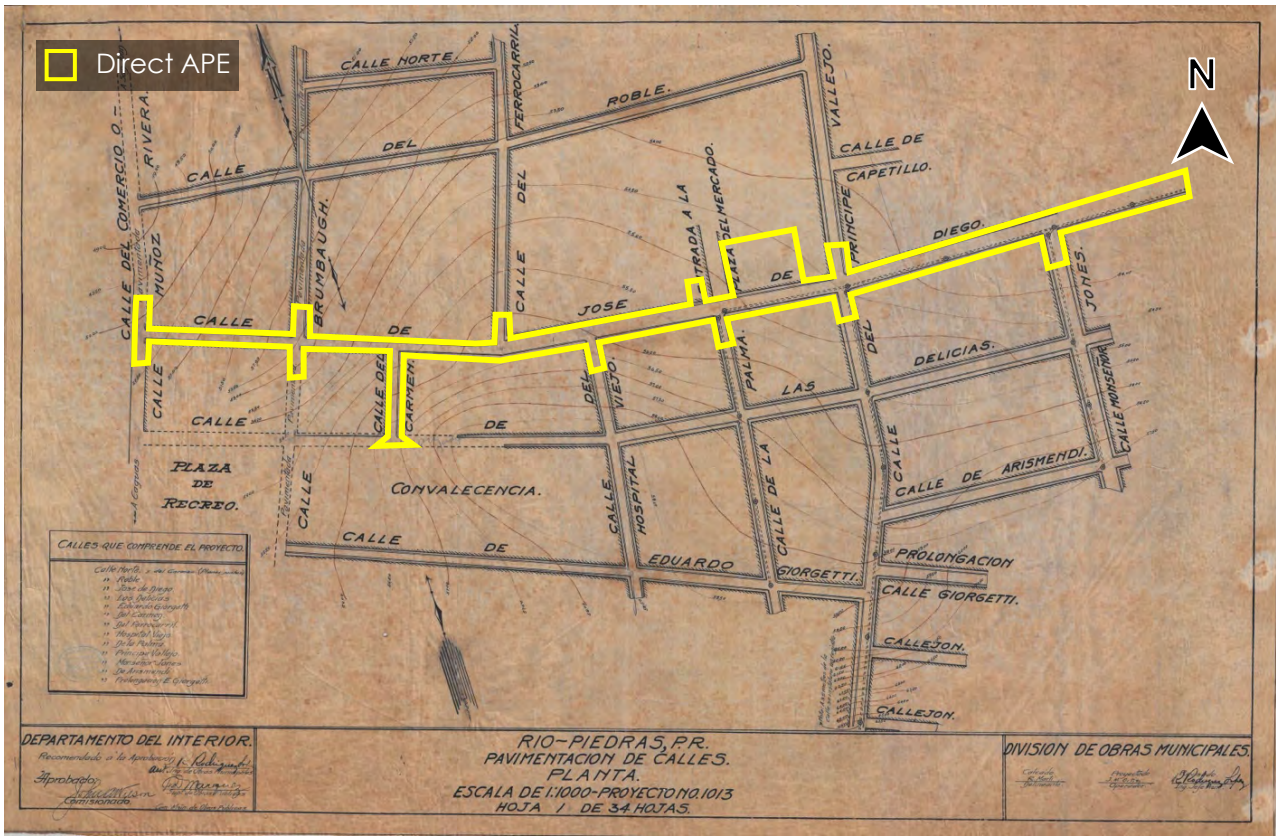


Figure 2. Circa 1920 pavement plan for the streets of Río Piedras, titled "Plano de Pavimentación de las Calles de Río Piedras (Source: Mapoteca del Archivo General de Puerto Rico (AGPR), https://archivonacional.com/PL/1/1/2579).

Figure 3. 1931 USGS aerial photograph of the urban areas of San Juan and Río Piedras surrounded by agricultural land (Source: Office of Photogrammetry, Puerto Rico Highways and Transportation Authority).

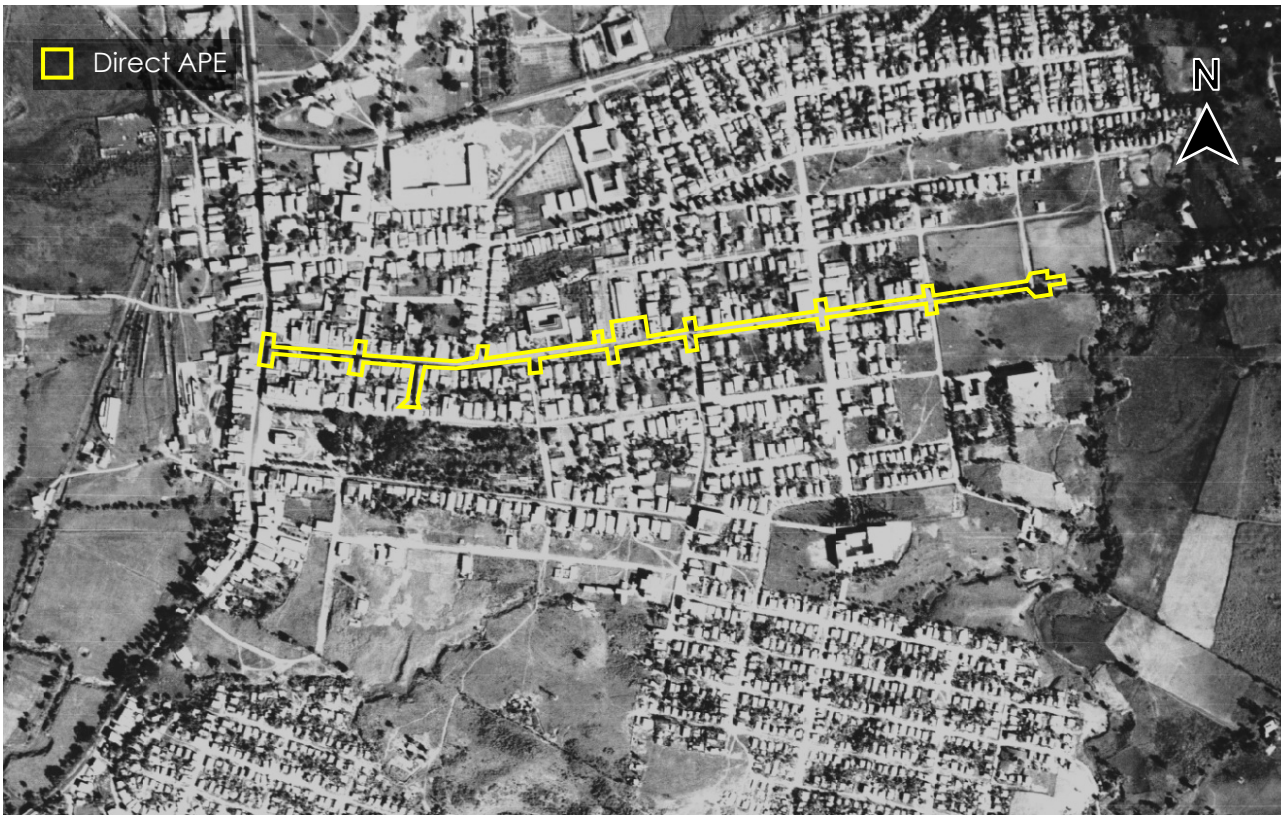


Figure 4. 1931 USGS aerial photograph of the Río Piedras Traditional Urban Center (Source: Office of Photogrammetry, Puerto Rico Highways and Transportation Authority).

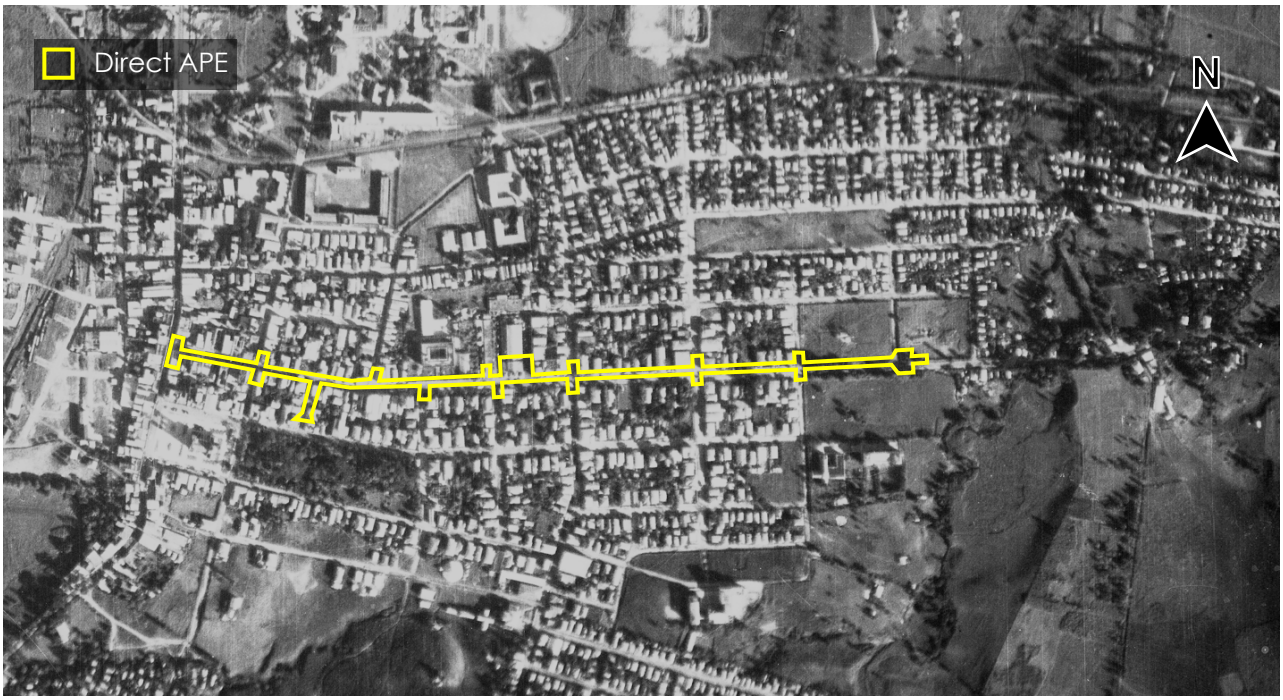


Figure 5. 1936 USGS aerial photograph of the Río Piedras Traditional Urban Center (Source: Office of Photogrammetry, Puerto Rico Highways and Transportation Authority).

De Diego Street was primarily a residential area until the mid-20th century. By 1962, however, it had been transformed into a commercial hub. In the beginning, a handful of businesses were intermingled with the private residences of influential owners such as Enrique Ubarri and the Castro González Family, as shown in permits and construction plans from the early 20th century deposited in the AGPR and consulted in the National Digital Archive. This residential character is evidenced in the 1941 USGS topographic map, which suggests that only two blocks (composed of De Diego Street, Ponce de León Avenue, Brumbaugh Street, and Del Carmen Street) had been completely redefined by commercial establishments and mixed-use shops on the first floor and residences on the second floor (Figure 6). The bulk of these properties seemed to be private residences with courtyards, often with side or rear patios, and mostly aligned with the street, on par with the traditional urbanism of the 19th century.

The connection to the Municipality of Carolina, the rapid urban development of Río Piedras from 1930 and onwards, the growth of services, shops, and educational institutions all contributed to the transformation of De Diego Street, from its intersection with Ponce de León Avenue to the old Carpenter Road (later José Celso Barbosa Avenue), into an important commercial hub. A photograph of *Teatro Modelo* offers a snapshot of De Diego Street circa 1950 (Figure 7). Another contributing factor is the opening of the first public marketplace in De Diego Street in 1920. Similarly, *Colegio La Milagrosa* had been established on De Diego Street, as well as *Colegio San Antonio*, founded by the Capuchin Fathers, and *Colegio San José* by the Jesuits. By the 1940s, the University of Puerto Rico had around 5,000 students.

Other events that shaped De Diego Street was the transformation of the old Carpenter Road, which connected Santurce to the east side of Río Piedras, into the ample José Celso Barbosa Avenue, inaugurated shortly after 65 de Infantería Avenue in 1951. The intersection between José Celso Barbosa Avenue and José de Diego Avenue became the main entrance to Río Piedras from its east side. Bank branches, such as the *Banco Popular* at the intersection of Ponce de León Avenue, and several cinemas and theaters opened along De Diego Street. A process of consolidation of properties soon followed; many buildings were extended to occupy all of their plots, and many were remodeled to be mixed-use properties (commercial establishments, offices spaces, retail shops, and apartments).

In the 1960s, commercial and cultural activity along De Diego Street intensified after the demolition of the old public marketplace and construction of a much larger building. On this street, as well as on Arzuaga, Ferrocarril, and Georgetti Streets, medical offices, law

offices, and restaurants, among others, opened their doors. A 1962 aerial photograph attests to this urban metamorphosis (Figure 8). In the 1970s, it was proposed to convert De Diego Street, at least partially, into a commercial promenade, a kind of open-air shopping center.

The architecture firm Torres, Beauchamp, and Marvel designed the *Paseo de Diego* promenade, which was inaugurated in 1981. The objective, as stated in the newspaper, was to create a linear and urban commercial center with all the amenities of a shopping mall. To this end, the entire segment from Ponce de León Avenue to Ferrocarril Street was paved with a mix of concrete and gravel, and kiosks, planters, and benches were installed, with two platforms for activities and an obelisk at each point of entry. Four years later, after a string of land plot consolidations and demolitions, the Plaza de Diego Shopping Mall was also inaugurated in 1983 with forty retail spaces and eight offices (Figure 9). This shopping mall has since been demolished and replaced by a modern public housing apartment. According to the newspaper *El Mundo*, the *Paseo de Diego* would become a shopping center as important as *Plaza Las Américas*, the gigantic shopping mall built on cattle lands about two miles northwest of Río Piedras (Figure 10).

Figure 6. 1941 USGS topographic map (1:30,000 scale) of the Río Piedras Traditional Urban Center (Source: USGS topoView, https://ngmdb.usgs.gov/topoview).

Figure 7. Circa 1950 photograph of *Teatro Modelo* and adjacent buildings along De Diego Street, before its conversion into a pedestrian promenade in 1981 (Source: José A. Hernández Mayoral, *Los Viejos Cines de Puerto Rico*, 2020, p. 269).

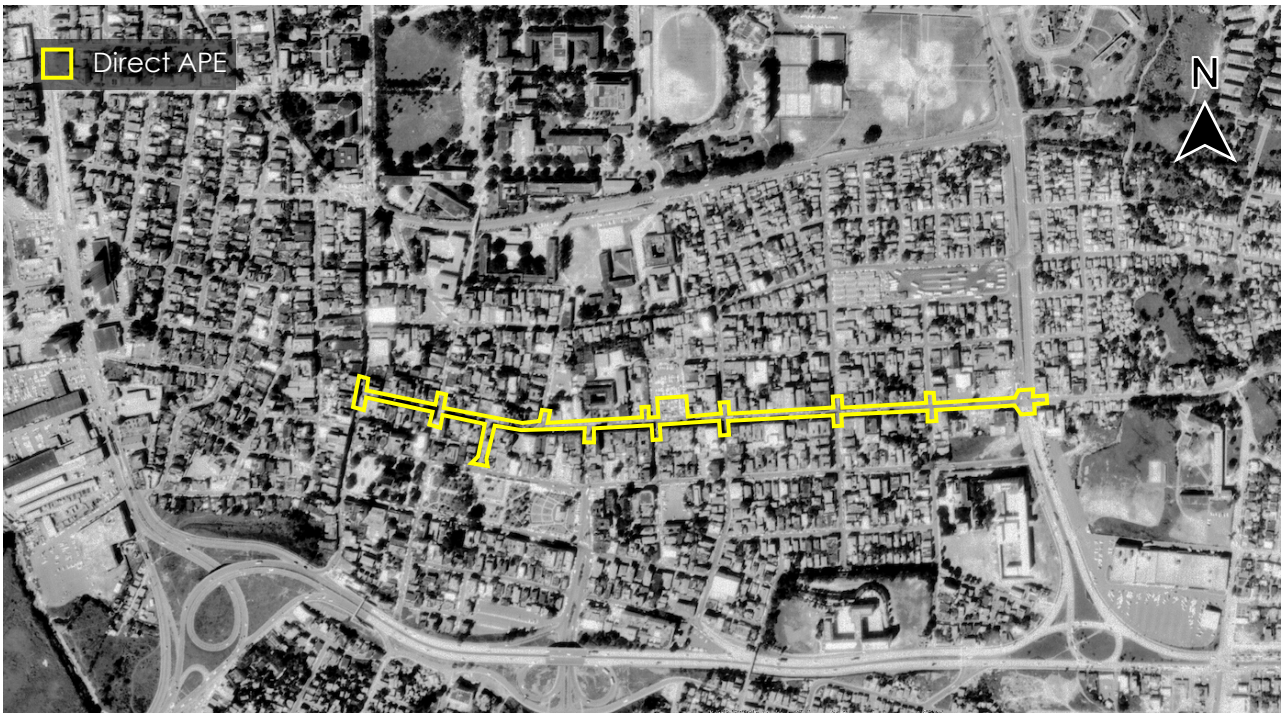


Figure 8. 1962 aerial photograph of the Río Piedras urban center and its surrounding communities (Source: USGS Earth Explorer, https://earthexplorer.usgs.gov/).

Figure 9. Circa 1990 photograph of the interior of the Plaza de Diego Shopping Mall, inaugurated on November 5, 1983 (Source: *Río Piedras: Antes, después y ahora*, Adoquín Times, https://eladoquintimes.com/2018/07/10/rio-piedras-antes-despues-y-ahora).

PROPIEDADES Y PROPIETARIOS

SECCION ESPECIAL COMERCIAL DE BIENES RAICES

EL MUNDO — SABADO, 5 DE DICIEMBRE DE 1981 3-B

Inauguran Paseo De Diego 5 meses antes de lo previsto

Por el Paseo hay varios lugares con bancos para descansar entre compra y compra.

Tres obeliscos como este señalan las entradas a Paseo De Diego.

Sin cerrar el tramo en momento alguno, se construyó el Paseo De Diego desde la Avenida Ponce de León hasta la Calle 1, en Río Piedras. Se entregará antes del tiempo estimado a pesar de las inconveniencias de trabajar con la gente transitando (Fotos EL MUNDO, por Teodoro Torres).

Por Ofelia Pérez de Iñiguez
Editora
Secciones Especiales

La primera fase de Paseo De Diego, en Río Piedras, construida por Redondo Construction a un costo de $1,100,000, se entregará al Alcalde de San Juan antes del 18 de diciembre, fecha de su inauguración oficial, cuatro meses antes del tiempo previsto para la culminación. Esto se hará posible a pesar de que el proyecto se ha realizado con público transitando y los comercios abiertos.

La medida, que es la primera de todo un proyecto de revitalización del área de Río Piedras, es el resultado de un estudio realizado para el Municipio de San Juan por la firma de arquitectos Torres, Beauchamo y Marvel, que reveló a su vez unas recomendaciones donde se incluye esta primera fase de Paseo De Diego.

El proyecto, en esta parte, incluye desde la Avenida Ponce de León hasta la Calle 1. Consiste principalmente en convertir una de las avenidas principales de Río Piedras en un camino peatonal entre los comercios, creando un mall parecido a los más sofisticados centros comerciales, aunque sin techo, no obstante con todas las facilidades.

Dentro de esa calle peatonal, cuyos pisos están realizados en agregado expuesto, con todas las estructuras adicionales en en concreto expuesto, hay glorietas con sus asientos para permitir el descanso entre compra y compra. Las atractivas fuentes de agua están empotradas en figuras de piedra. En todo el tramo hay dos tarimas con receptáculos eléctricos para facilitar cualquier actividad de atractivo público.

Para identificar el mall en cada uno de los tres accesos hechos hasta ahora, se erigió un obelisco en cada entrada, pintado en colores distintos y con las letras de Paseo de Diego.

Para integrar a los vendedores ambulantes, se construyeron cinco casetas hechas en hormigón con atractivos techos de madera. En cada uno hay cupo para cuatro vendedores.

Dos fuentes ornamentales, cuatro relojes, atractivas luminarias y 42 árboles complementarán la apariencia de Paseo De Diego. También se crearon unos carriles señalados por las luminarias para áreas de

(Continúa en la Pág. 4-B)

Figure 10. 1981 *El Mundo* newspaper article titled *"Inauguran Paseo de Diego cinco meses antes de lo previsto"* by Ofelia Pérez de Iñuiguez (El Mundo Digital Archive, 3 de diciembre de 1981, p. 3-B).

The rapid commercialization of De Diego Street barely allowed for the survival of single-family houses that once populated it. The existing streetscape comprises of a continuous façade of buildings that line the edge of the sidewalk and vary between two to six floors. Paseo de Diego retains a number of historic structures, albeit in poor conditions, featuring late colonial architecture to modern master's influences. Some have typical École des Beaux-Arts stylistic traits and Art Deco elements. Others display International Style features, such as the 1960s Rafael Hernández Public Marketplace, and "brutalism" (in vogue during in the 1980s), like the *Paseo de Diego* obelisks and original pavement. Plenty of modern functional structures mixed with insensible interventions within historic structures has compromised *Paseo de Diego*.

Suburban housing development, the construction of fast-traffic avenues around the Río Piedras TUC, and the appearance of shopping malls halted this modernizing trend. At first, suburban development concentrated in the immediate periphery of Río Piedras, with Santa Rita to the west and Pérez Morris to the south. Then followed the outskirts: Santa Ana, Hyde Park, and University Gardens to the west and outside of the TUC, and Dos Pinos and Los Maestros to the east. Similarly, shopping malls were at first built near the Río Piedras urban center. Before *Plaza las Américas*, the 65 de Infantería Shopping Mall was built on José Celso Barbosa Avenue at walking distance from the public marketplace. The massive acquisition of private cars also halted the commercial and housing bonanza that Río Piedras enjoyed until the 1980s. Teachers, professors, and even students moved to the suburbs and began shopping in new and comfortable malls. In less than forty years, the Río Piedras TUC lost three-quarters of its population and most of its retail stores.

Two other events hampered commercial activity along *Paseo de Diego*. The first was the tragic accidental explosion of a gas pipe on Monseñor Torres Street in 1996. Known as the Humberto Vidal Tragedy, it claimed more than three dozen lives, paralyzing commerce in Río Piedras for a long time and alienating a significant part of its clientele. The second event is the construction of an underground train segment in Río Piedras. A new wave of redevelopment in Río Piedras was projected with the construction the *Tren Urbano*. However, the work was surprisingly complex and extremely slow, bankrupting many local merchants. The Paseo de Diego was remodeled again in the early 2000s with the hope of kickstarting its economic rebirth. This new intervention eliminated the planters, kiosks, benches, and trees that previously decorated the promenade and replaced them with metal pergolas and new pavement. This effort was not successful either; the movement of businesses and residents to the suburbs was unstoppable, especially after the housing boom between 2000 and 2008.

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, 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 within a quarter-mile radius of one recorded archaeological site below ground.

Table 1. Archaeological Sites Within a Quarter-Mile Radius of Project Area

1.	**Name:** Trolley Repair Shop & Bakery		
	SHPO ID: N/A	**ICP ID:** N/A	**NRHP ID:** Eligible
	Period: Historic	**Date:** 19th Century	**Distance:** 0.10 mi NE
	Location: Ponce de León Avenue	**Coordinates:** 18.400472, -66.052033	
	Description: Remnants of trolley repair shop and bakery uncovered near Ponce de León Avenue during the Phase 3 archaeological study for the development of the *Tren Urbano* project conducted by Marisol Meléndez, Jaqueline López, Sharon Meléndez, and Leila Cumulada in 2004.		

Table 2. Cultural Resource Studies Conducted Within a Quarter-Mile Radius of Project Area

A.	**Title:** Phase 1A, Mejoras para las Aceras y Calle Camelia Soto en el Casco Urbano de Río Piedras		
	SHPO ID: 09-26-02-04	**ICP ID:** N/A	**NRHP ID:** N/A
	Author: Guillermo Iranzo & Osvaldo Torres	**Year:** 2003	
	Results: Negative	**Distance:** 0.05 mi S	
B.	**Title:** Monitoring, Centro Histórico de Río Piedras, Proyecto Tren Urbano		
	SHPO ID: N/A	**ICP ID:** N/A	**NRHP ID:** N/A
	Author: Marisol J. Meléndez Maíz	**Year:** 2002	
	Results: Positive	**Distance:** 0.00 mi	
C.	**Title:** Phase III, Tren Urbano Project, Río Piedras-UPR Alignment (Volumen 1: General Introduction, Discussion of Results & Interpretations)		
	SHPO ID: N/A	**SHPO ID:** N/A	**SHPO ID:** N/A

	Author: Marisol Meléndez Maíz, Jaqueline López, Sharon Meléndez & Leila Comulada		**Year:** 2004
	Results: Positive - Documentation of 19th century road known as *Travesía de Río Piedras*, constituting a portion of the actual Juan Ponce de León Avenue.		**Distance:** 0.00 mi
D.	**Title:** Phase 1A, Historical Background of the Urban Development of Río Piedras & Caño Martín Peña Sector, Tren Urbano, San Juan Metropolitan Area		
	SHPO ID: 08-17-92-01	**ICP ID:** N/A	**NRHP ID:** N/A
	Author: Marlene Ramos Vélez		**Year:** 1995
	Results: Positive - Phase 2 cultural resource study recommended due to historical importance of surveyed area.		**Distance:** 0.00 mi
E.	**Title:** Phase 1B, Tren Urbano Project, Río Piedras Section		
	SHPO ID: 07-30-98-01	**ICP ID:** N/A	**NRHP ID:** N/A
	Author: Agamemnon Gus Pantel & Jaqueline López Meléndez		**Year:** 1997
	Results: Negative		**Distance:** 0.00 mi
F.	**Title:** Phase 1A, Edificio de Hospedería de Estudiantes: Solar en la Esquina de la Avenida Ponce de León y Calle Amalia Marín		
	SHPO ID: 08-07-98-02	**ICP ID:** N/A	**NRHP ID:** N/A
	Author: Marisol J. Meléndez Maíz		**Year:** 1999
	Results: Negative		**Distance:** 0.15 mi N
G.	**Title:** Phase 1A, Mejoras Geométricas Carr. PR-47		
	SHPO ID: N/A	**ICP ID:** CAT-SJ-C-03-09-09	**NRHP ID:** N/A
	Author: Aramis Font Negrón		**Year:** 2003
	Results: Positive - Documentation of impacted brick culvert.		**Distance:** 0.00 mi
H.	**Title:** Phase 1A-1B, Desarrollo de Parcelas G y H (Tomo I)		
	SHPO ID: N/A	**ICP ID:** CAT-SJ-C-12-17-02	**NRHP ID:** N/A
	Author: Fernando Alvarado Muñoz		**Year:** 2012
	Results: Negative		**Distance:** 0.06 mi SW
I.	**Title:** Phase 1A-1B, Desarrollo de Parcelas G y H (Tomo II)		

	SHPO ID: N/A	**ICP ID:** CAT-SJ-C-12-17-03	**NRHP ID:** N/A
	Author: Fernando Alvarado Muñoz	**Year:** 2012	
	Results: Negative	**Distance:** 0.13 mi SE	
J.	**Title:** Phase 1B, Centro de Transporte y Estacionamiento Público de Río Piedras		
	SHPO ID: N/A	**ICP ID:** CAT-SJ-C-10-16-05	**NRHP ID:** N/A
	Author: Virginia Rivera Calderón	**Year:** 2010	
	Results: Negative	**Distance:** 0.15 mi S	
K.	**Title:** Phase 1A Revision, Nueva Torre Municipal de Río Piedras		
	SHPO ID: N/A	**ICP ID:** CAT-SJ-C-12-17-04	**NRHP ID:** N/A
	Author: Fernando Alvarado Muñoz	**Year:** 2012	
	Results: Negative	**Distance:** 0.13 mi S	
L.	**Title:** Phase 1A, De Diego Village		
	SHPO ID: N/A	**ICP ID:** CAT-SJ-C-16-19-03	**NRHP ID:** N/A
	Author: Maritza Torres Martínez	**Year:** 2016	
	Results: Negative	**Distance:** 0.01 mi N	
M.	**Title:** Phase 1B, Desarrollo de Santa Rita, S.E.		
	SHPO ID: N/A	**ICP ID:** CAT-SJ-C-94-04-07	**NRHP ID:** N/A
	Author: Antonio Daubón Vidal	**Year:** 1994	
	Results: Negative	**Distance:** 0.12 mi NW	
N.	**Title:** Phase 1A, Urban Train for San Juan Metropolitan Area		
	SHPO ID: N/A	**ICP ID:** CAT-BA-92-04-05	**NRHP ID:** N/A
	Author: Eduardo Questell Rodríguez	**Year:** 1992	
	Results: Positive - Overall archaeological sensitivity of the Río Piedras Traditional Urban Center.	**Distance:** 0.04 mi W	

The archaeological heritage of Río Piedras, officially founded in 1823, is limited to historic sites. No prehistoric sites of any era have been discovered within a quarter-mile radius of *Paseo de Diego* and José de Diego Avenue (State Road PR-47), or anywhere else within the historic boundary of Río Piedras, including Pueblo Ward, also called *El Roble* after a small town built in 1714, and Universidad Ward, encompassing the Río Piedras Campus of

the University of Puerto Rico (UPR).

According to the Puerto Rico State Historic Preservation Office (PRSHPO) site files, from 1930 to 2015, a hundred archaeological have been reported within the Municipality of San Juan. Only nine have been associated with pre-Columbian cultures, concentrated along the northern coastline and San Juan Islet. However, the nearest recorded prehistoric site is El Coquí 1 y 2 (SJ0100007), a multicomponent site approximately 3.55 miles southwest, uncovered during the construction of *Los Paseos*, a suburban neighborhood accessed via State Road PR-199, to the east of Río Piedras River, in Cupey Ward.

Within a quarter-mile radius of the direct APE, which is located in the Río Piedras Traditional Urban Center, the primary area for historical archaeology is the *Travesía de Río Piedras* (SJ0100036), the 19th century name of the Military Road, previously known as the *Camino Real* from San Juan to Caguas and through Río Piedras, which formed part of today's Ponce de León Avenue. The *Travesía de Río Piedras* has been evaluated in various cultural resource studies for the urban rail system called *Tren Urbano*, and the large UPR building called *Plaza Universitaria*. The *Tren Urbano* stations are on the east side of Ponce de León Avenue, while *Plaza Universitaria* is on the west side. The Río Piedras Station for *Tren Urbano* and the *Plaza Universitaria* opposite the campus main entrance, both involved large-scale demolition, excavations and archaeological finds from the 19th and early 20th centuries.

In 1995, Marlene Ramos and Héctor Marín conducted a Phase 1A study of Río Piedras, centered on the *Travesía de Río Piedras* as the backbone of urban development. Pantel, Del Cueto & Assoc. conducted a Phase 1B archaeological study for *Tren Urbano* in 1996, reporting negative archaeological results, followed by archaeological monitoring by Marisol Meléndez Maíz from 1997 to 1999, with Diana López Sotomayor as Principal Investigator, and detecting twelve significant historic properties. In a 2002 article published in the *IV Encuentro de Investigadores*, Marisol J. Meléndez Maíz reported numerous obstacles towards a comprehensive archaeological evaluation, leading to a Phase 2 site testing investigation by Ethel V. Schlafer Román in 2001, and Phase 3 Mitigation by Meléndez Maíz, Sharon López Meléndez, and J. Comulada in 2004.

The archaeological discoveries for the *Tren Urbano* cultural resource studies included a historic trolley repair shop and remnants of a 19th century bakery, approximately 0.10 miles northeast of the direct APE, while the archaeological monitoring by Ethel V. Schlafer Román (2001) for *Plaza Universitaria* detected remnants of a late 19th century pottery workshop (beyond the quarter-mile radius). These cultural resource studies were conducted along

Ponce de León Avenue. A 1992 Phase 1A study by Eduardo Questell Rodríguez reported positive results due to the overall archaeological sensitivity of the Río Piedras Traditional Urban Center. Aramis Font Negrón's 2003 Phase 1A study reported the remnants of a historic brick culvert at a segment of José de Diego Avenue (State Road PR-47) to the east of the José Celso Barbosa Avenue intersection, which is outside the direct APE but within the quarter-mile radius.

Before *Paseo de Diego* was converted into a pedestrian promenade in 1981, De Diego Street, formerly known as Del Sol Street, was one of the two principal streets of the Río Piedras Traditional Urban Center since the 19th century. During the late 19th century to early 20th century, many wealthy families from San Juan and other towns erected their lavish private residences along De Diego Street. Throughout the 20th century, Río Piedras continued expanding eastward, along what is now José de Diego Avenue, bringing schools, retail shops, movie theaters, banks, and other amenities. USGS topographic maps from 1941 to 1982 detail the urban development of Río Piedras (Figures 11 to 15).

Many of these properties, with varying degree of structural integrity, are considered eligible to the National Register of Historic Properties (NRHP). Given the spatial-temporal distribution of historic properties, Zone 1 (*Paseo de Diego* from Ponce de León Avenue to Brumbaugh Street) and Zone 2 (*Paseo de Diego* from Brumbaugh Street to Ferrocarril Street) are considered highly sensitive to buried historic materials pertaining to the development of the Río Piedras Traditional Urban Center than Zone 3 (José de Diego Avenue from Ferrocarril Street to Vallejo Steet) and Zone 4 (José de Diego Avenue from Vallejo Street to José Celso Barbosa Avenue).

The intersection between *Paseo de Diego* and Ponce de León Avenue potentially encompasses the most sensitive area within the boundaries of the direct APE, given the importance of Comercio Street (formerly *Travesía de Río Piedras* or *Camino Real*), during the 19th century and early 20th century. Additionally, most cultural resource studies with positive results were conducted along Ponce de León Avenue for the construction of an underground segment of the *Tren Urbano*. Nonetheless, Zone 3 and Zone 4 share a moderate to high potential for historic infrastructural materials, as evidenced in the detection of an impacted brick culvert past the intersection between José de Diego Avenue and José Celso Barbosa Avenue (beyond the quarter-mile radius). Thus, the remaining segments of José de Diego Avenue that have not been surveyed before, especially within the boundaries of the Río Piedras Traditional Urban Center, should also be considered archaeologically sensitive.

Figure 11. Detail of 1941 USGS topographic map (1:30,000 scale) of the Río Piedras Traditional Urban Center. Project APE is highlighted in yellow. (Source: USGS topoView, https://ngmdb.usgs.gov/topoview).

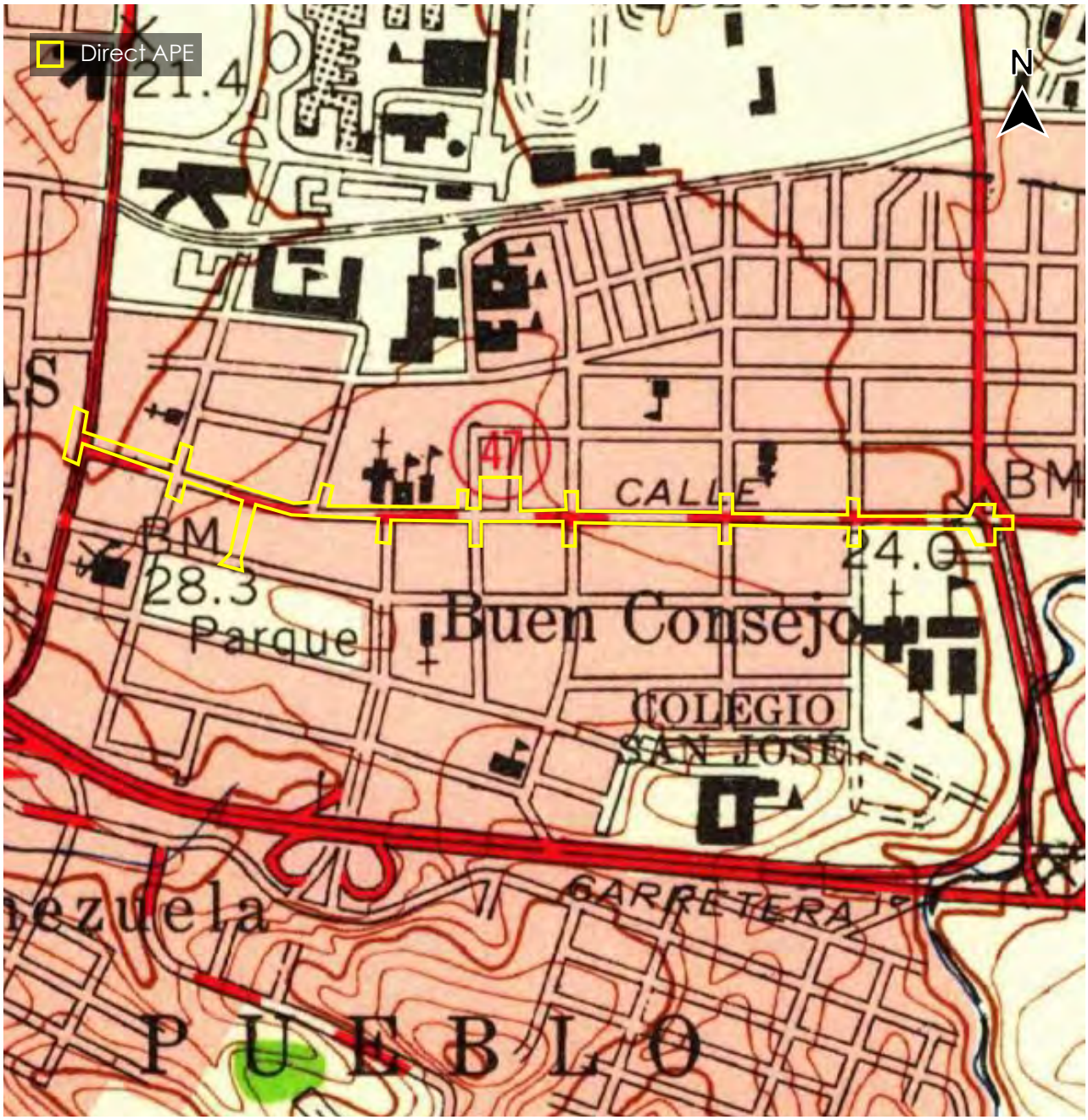


Figure 12. Detail of 1959 USGS topographic map (1:20,000 scale) of the Río Piedras Traditional Urban Center. Project APE is highlighted in yellow. (Source: USGS topoView, https://ngmdb.usgs.gov/topoview).

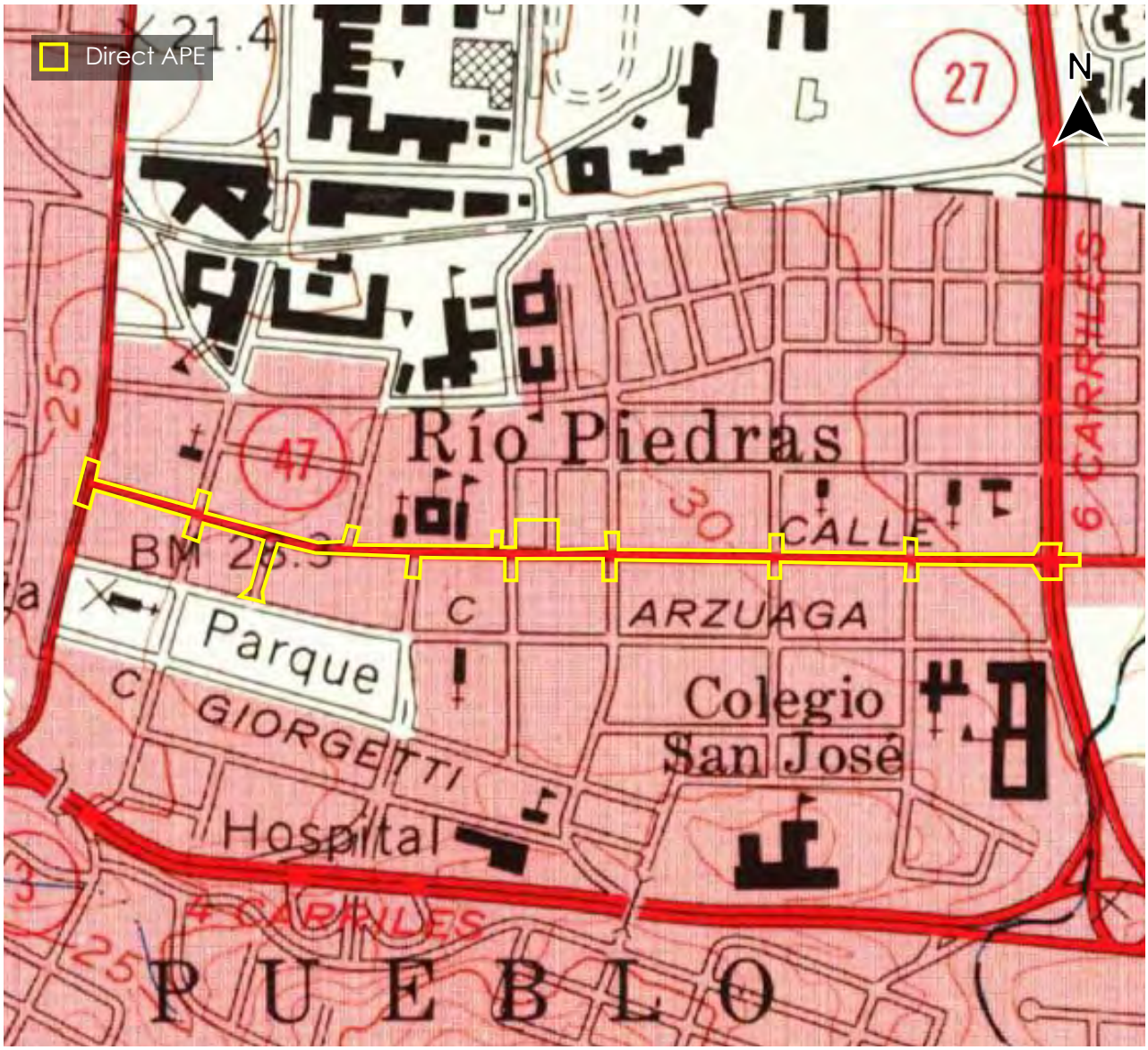


Figure 13. Detail of 1965 USGS topographic map (1:20,000 scale) of the Río Piedras Traditional Urban Center. Project APE is highlighted in yellow. (Source: USGS topoView, https://ngmdb.usgs.gov/topoview).

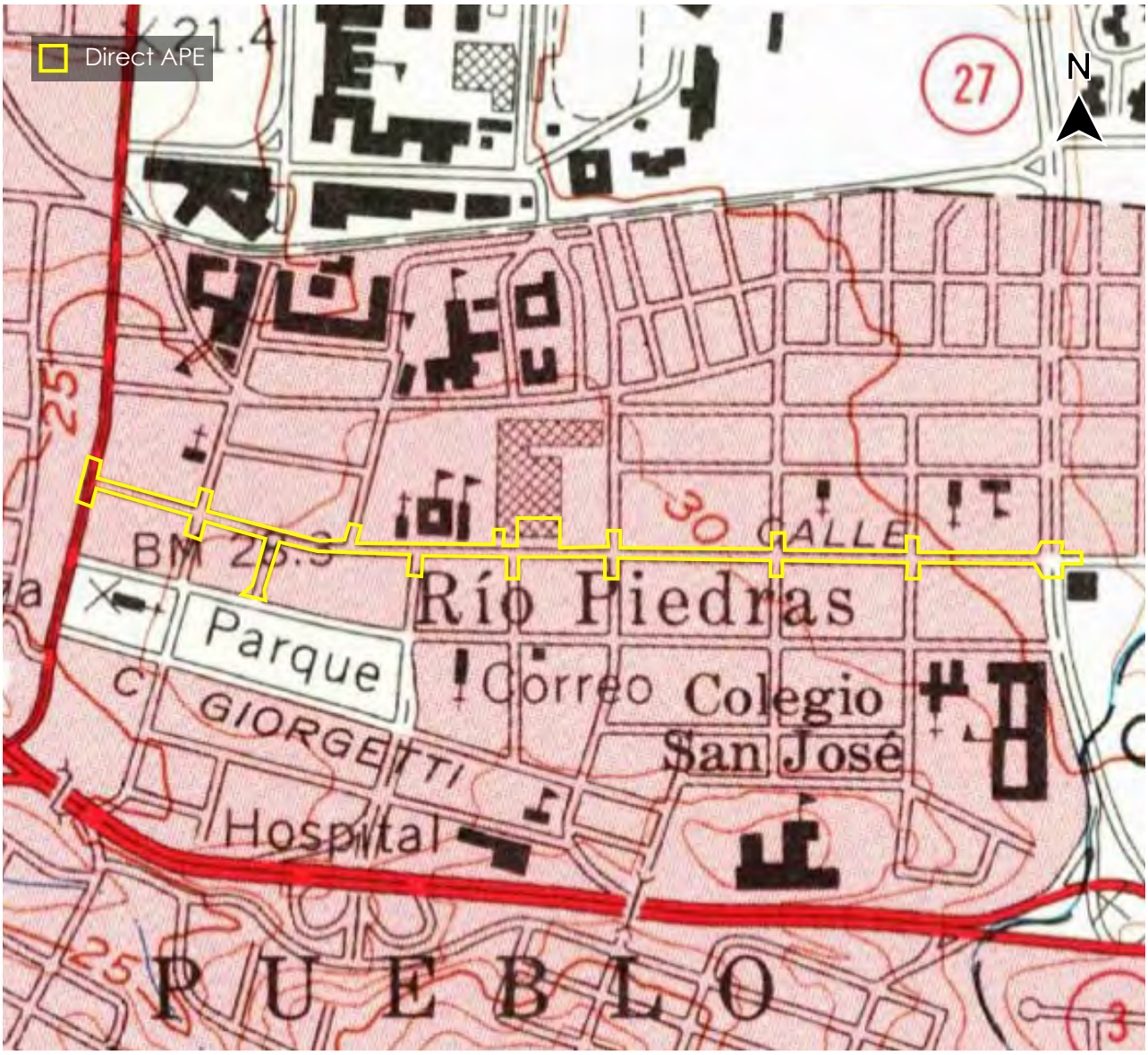


Figure 14. Detail of 1972 USGS topographic map (1:20,000 scale) of the Río Piedras Traditional Urban Center. Project APE is highlighted in yellow. (Source: USGS topoView, https://ngmdb.usgs.gov/topoview).

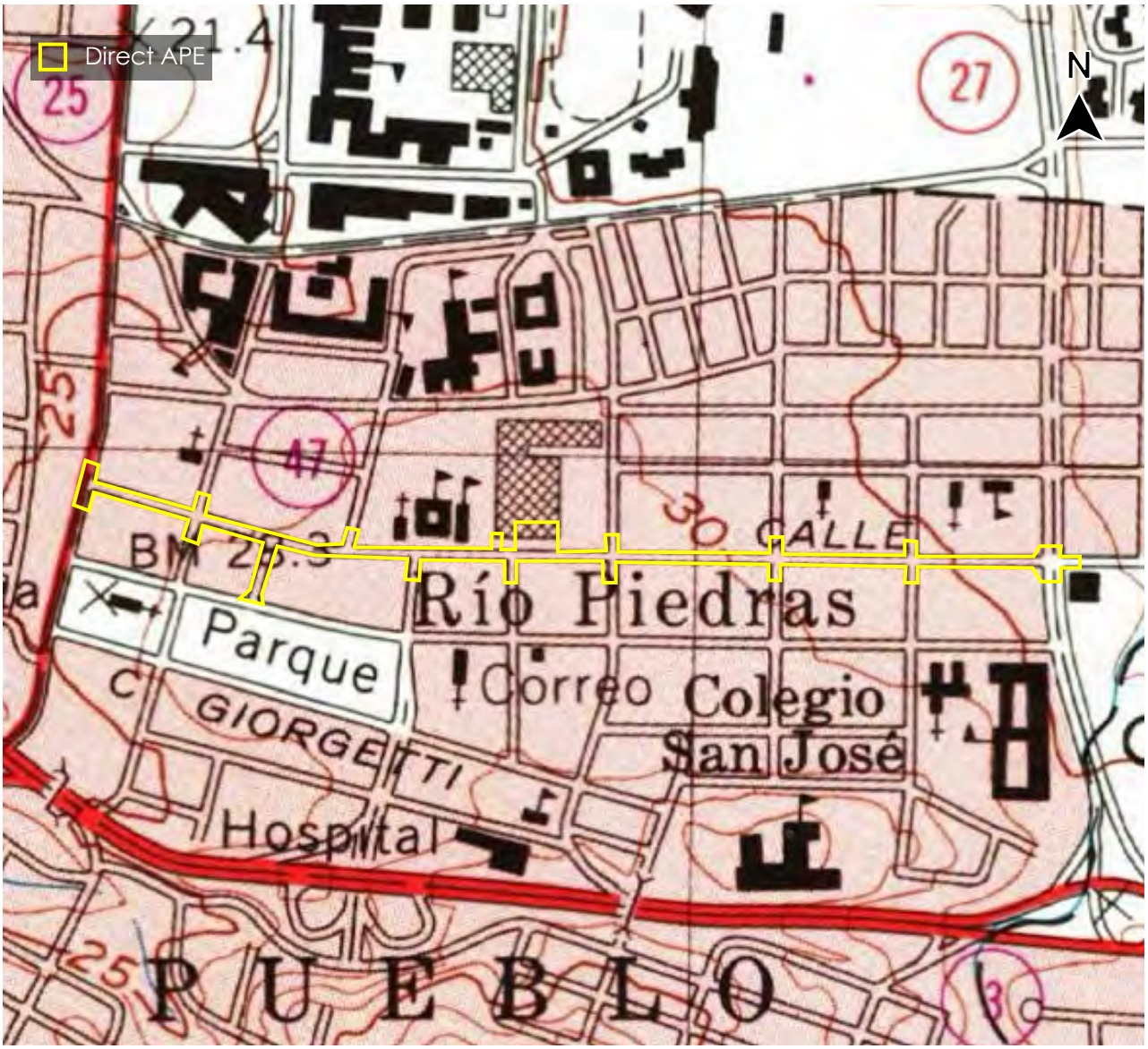


Figure 15. Detail of 1982 USGS topographic map (1:20,000 scale) of the Río Piedras Traditional Urban Center. Project APE is highlighted in yellow. (Source: USGS topoView, https://ngmdb.usgs.gov/topoview).

Identification of Historic Properties - Architecture

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 within the boundaries of the National Register of Historic Places (NRHP)-eligible Río Piedras Traditional Urban Center.

Documentation of historic buildings in Río Piedras can be considered modest. Despite being populated by several NRHP-eligible buildings, only the following cultural resources have been previously registered by the State Historic Preservation Office (SHPO) and the Institute of Puerto Rican Culture (ICP) within a quarter-mile radius of the direct APE:

1. **Casa y Parque de la Convalecencia (SJ0100018), 0.01 mi S** - The original gardens and residence, built by the Spanish army in the 19th century, were also used by governors. Both structures have disappeared, and the space has been renovated several times and transformed into a public square. The mayor of San Juan carried out the most recent renovation less than twenty years ago.

2. **Travesía de Río Piedras (SJ0100036), 0.01 mi W** - Street segment of the Ponce de León Avenue between Dr. José N. Gándara Street and 65 de Infantería Avenue that formed part of the historic *Camino Real*, traversing the Río Piedras Traditional Urban Center. The buildings along the street date from the early to mid-twentieth century, though the present *Casa de la Cultura Ruth Fernández* is a restored 19th century vernacular masonry and wood residence with a hipped metal roof.

3. **Torre y Cuadrángulo de la Universidad de Puerto Rico (SJO 0200037), 0.24 miles N** - Spanish Revival style compound built in the 1930s and early 1940s, which belongs to the University of Puerto Rico (UPR). Rafael Carmoega was the director of the project, though Francisco Roldán, Willian Schimelpfenning, and Francisco Gardón were among the design team members. NRHP-listed in 1984 (#84003174).

4. **Escuela Hawthorne (SJO 0200064), 0.10 mi NE** - School built in 1911 within a Beaux Arts style, and constructed partially in brick masonry. Presently known as Ramón Vilá Mayo School.

5. **Escuela Graduada José Celso Barbosa & Escuela Luis Muñoz Rivera (SJO 0200019), 0.14 mi N** - Facing the north side of the market, Luis Muñoz Rivera School was built in 1924-1928 and designed by Fidel Sevillano and Rafael Carmoega for the Public Works Department of the Secretary of the Interior in a Beaux-Arts style.

6. **Edificio Comunidad Orgullo Gay (SJO 16000237), 0.10 mi NE** - Two-story building with two separate living units built in 1937 in a Spanish Revival style, though its architect is unknown. NRHP-listed in 2016 (#16000237).

7. **Residencia de Señoritas de la Universidad de Puerto Rico (SG 100002695), 0.25 mi NE** - Nine-story Modern-style residential building designed by Henry Klumb and completed in 1960. NRHP-listed in 2018 (#100002695).

8. **Casa Vigil (SG 100002694), 0.10 mi NE** - Vernacular wooden residence, designed and built by the Vigil brothers in 1898, with a side gable metal roof, brick for the covered porch, and a concrete foundation that was originally in wood. NRHP-listed in 2018 (#100002694).

9. **Escuela de Artes y Oficios/University High School, 0.12 mi NE** - School compound designed by Joseph O´Kelly in an Art Deco style in 1929. NRHP-eligible under criteria A, B and C.

10. **Colegio e Iglesia La Milagrosa, 0.01 mi N** - Main school building and cloister two-story concrete building designed by Francisco Fullana Serra and built by his brother Jaime, who was an engineer, in the mid-1930s, within austere Spanish Revival characteristics. The Neo-Gothic concrete church was finished in 1954. Other concrete modern halls on the east of the property were developed subsequently. The surrounding concrete fence is adjacent to the west entrance of the underground parking lot of the Rafael Hernández Marín Marketplace. The cloister and church are both NRHP-eligible under criteria B and C.

11. **Parroquia Nuestra Señora del Pilar, 0.04 mi SW** - Catholic parish of Río Piedras established since 1714, although the current church was designed in 1931 by architect Francisco Porrata Doria in a predominantly Romanesque style. NRHP-eligible under criteria B and C.

Table 3. NRHP-Listed/Eligible Historic Properties Within a Quarter-Mile Radius of Project Area

1.	**Name:** Escuela Luis Muñoz Rivera		
	SHPO ID: N/A	**ICP ID:** N/A	**NRHP ID:** Eligible
	Period: Historic	**Date:** 1924	**Distance:** 0.10 mi N
	Location: #42 Robles Street	**Coordinates:** 18.400274, -66.048239	
	Description: One-story, concrete, public elementary school building to the south of José Celso Barbosa Graduate School, designed by architects Fidel Sevillano and Rafael Carmoega for the Public Works Department of the Secretary of the Interior in a Beaux-Arts style.		
2.	**Name:** Colegio e Iglesia La Milagrosa		
	SHPO ID: N/A	**ICP ID:** N/A	**NRHP ID:** Eligible
	Period: Historic	**Date:** 1954	**Distance:** 0.01 mi N
	Location: #109 José de Diego Avenue	**Coordinates:** 18.398901, -66.049220	
	Description: One-story, concrete, Catholic school complex designed by Francisco Fullana Serra with austere Spanish Revival elements in the mid-1930s, accompanied by a Neo-Gothic concrete church completed in 1954; the school originally began in 1891 when Don Diego Fernández Vallejo, the Marquess of Vallejo, donated part of his land to the Bishop of Puerto Rico for the establishment of a school for poor orphaned children, administered by the *Sociedad Protectora de los Niños*; served as a refuge center for victims of the gas explosion at the Rio Piedras Humberto Vidal store in 1996; the school closed down in 2009, while the church reopened as a cultural center in 2017 after a restoration procedure initiated by the Municipality of San Juan, which acquired the property title for $2.4 million; transferred to the *Fideicomiso para el Desarrollo de Río Piedras* (FIDE) in 2020, created to support the rehabilitation and economic development of the town Río Piedras, as provided by the *Ley Especial para la Rehabilitación de Río Piedras*, Law 75 of July 5, 1995, as amended.		
3.	**Name:** Escuela Dr. José Celso Barbosa		
	SHPO ID: N/A	**ICP ID:** N/A	**NRHP ID:** Eligible
	Period: Historic	**Date:** 1928	**Distance:** 0.14 mi N
	Location: #42 Robles Street	**Coordinates:** 18.400709, -66.048302	
	Description: Two-story, concrete, public intermediate school building to the north of the Luis Muñoz Rivera School.		
4.	**Name:** Casa Vigil; Casa de la Familia Vigil		

	SHPO ID: N/A	**ICP ID:** N/A	**NRHP ID:** 100002694
	Period: Historic	**Date:** 1898	**Distance:** 0.10 mi NE
	Location: #1018 Ferrocarril Street	**Coordinates:** 18.400001, -66.049728	
	Description: One-story, vernacular wooden residence designed and built by Alejandro and Francisco, the Vigil Brothers, with a side-gabled metal roof, brick for the covered porch, and a concrete foundation which was originally made of wood; considered a typical *casa criolla* floor plan for a middle-class Puerto Rican family living at the turn of the century, and representative of the last wooden residencies built in the city before architectural trends shifted toward concrete.		
5.	**Name:** Escuela de Artes y Oficios; University High School (UHS)		
	SHPO ID: N/A	**ICP ID:** N/A	**NRHP ID:** Eligible
	Period: Historic	**Date:** 1929	**Distance:** 0.12 mi NE
	Location: #54 North Street	**Coordinates:** 18.400471, -66.050242	
	Description: One-story, concrete, high school building of Art Deco style designed by architect Joseph O'Kelly, who also worked in the design team for the University of Puerto Rico Quadrangle; the high school program was officially established during 1948-1949 Academic Year; includes a three-story classroom annex designed in the 1970s by George McClintock, along with a roofed basketball court pavilion and school cafeteria shared with the University Elementary School; in 2020, it became the first public high school in Puerto Rico to be accredited by the Middle States Association of Colleges and Schools.		
6.	**Name:** Casa y Parque de la Convalecencia		
	SHPO ID: N/A	**ICP ID:** N/A	**NRHP ID:** Not Eligible
	Period: Historic	**Date:** 19th Century	**Distance:** 0.01 mi S
	Location: Arzuaga Street (North), Georgetti Street (South) & Camelia Soto (East)	**Coordinates:** 18.397579, -66.050585	
	Description: Two-story wooden residence with surrounding gardens originally built by the Spanish Army to the rear of the Nuestra Señora del Pilar Parish, where the *Plaza de Convalecencia* currently is; often used by governors as a summer residence and event venue until it demolished in the 20th century.		
7.	**Name:** Hawthorne School; Escuela Ramón Vilá Mayo		
	SHPO ID: N/A	**ICP ID:** N/A	**NRHP ID:** Eligible
	Period: Historic	**Date:** 1901	**Distance:** 0.10 mi NE
	Location: #1014 Brumbaugh Street	**Coordinates:** 18.400410, -66.051154	

	Description: Two-story, concrete and brick masonry, elementary school building with a Beaux Arts style; first school to be built by North Americans in Río Piedras as part of the school building campaign developed by the Department of Interior and administered by Dr. Martin Brumbaugh, First Commissioner of Education in Puerto Rico; half a decade later, the Ramón Vilá Mayo School was built on the schoolyard.		
8.	**Name:** Residencia de Señoritas de la Universidad de Puerto Rico; RESI Campus		
	SHPO ID: N/A	**ICP ID:** N/A	**NRHP ID:** 100002695
	Period: Historic	**Date:** 1960	**Distance:** 0.25 mi NE
	Location: University of Puerto Rico	**Coordinates:** 18.401866, -66.047779	
	Description: Nine-story, concrete and stucco, former female dormitory of International Modern style designed by Henry Klumb for the University of Puerto Rico, Río Piedras Campus; commissioned by chancellor Jaime Benítez Rexach following the rapid increase in post-World War II student enrollment promoted by *Operación Manos a la Obra* (Operation Bootstrap); it comprises 104 dwelling units, each equipped for three residents, for a total of 312 occupants; originally intended to be female-only, it became unisex in the following decades until it closed down in 2020 for rehabilitation purposes.		
9.	**Name:** Torre y Cuadrángulo de la Universidad de Puerto Rico		
	SHPO ID: SJ0200037	**ICP ID:** N/A	**NRHP ID:** 84003174
	Period: Historic	**Date:** 1937-1939	**Distance:** 0.24 mi N
	Location: Ponce de León Avenue	**Coordinates:** 18.402872, -66.050094	
	Description: Principal entrance to the University of Puerto Rico, Río Piedras Campus, comprised of several academic buildings and the 173 feet tall Franklin D. Roosevelt Tower, which integrates a fusion of Anglo-Saxon and Hispanic (Spanish Revival) architectural elements, representing the political aspirations at the time; it features ornamental shields for the National University of San Marcos del Perú (established in 1551 by royal decree of Charles V, King of Spain, and the oldest university in the South America), for Harvard University (established in 1636 and the oldest university in North America), and for the University of Puerto Rico (established in 1903); architect Rafael Carmoega led the project with Francisco Roldán, Willian Schimelpfenning, and Francisco Gardón as designers.		
10.	**Name:** Edificio Comunidad de Orgullo Gay de Puerto Rico; Casa Orgullo		
	SHPO ID: N/A	**ICP ID:** N/A	**NRHP ID:** 16000237
	Period: Historic	**Date:** 1937	**Distance:** 0.10 mi NE
	Location: #3 Saldaña Street	**Coordinates:** 18.400563, -66.051904	

	Description: Two-story, reinforced concrete, apartment house with a rectangular floor plan designed in the Spanish Revival style; associated to Vicente Suárez, a merchant in the liquor distribution industry who used to live on the first floor while the second-floor apartment unit was rented to a tenant; served as the meeting hall for *Comunidad de Orgullo* Gay, the first LGBTQ+ organization established in Puerto Rico in 1974 and disbanded two years later.		
11.	**Name:** Parroquia Nuestra Señora del Pilar		
	SHPO ID: N/A	**ICP ID:** N/A	**NRHP ID:** Eligible
	Period: Historic	**Date:** 1931	**Distance:** 0.04 mi SW
	Location: Arzuaga Street (North), Georgetti Street (South) & Brumbaugh Street (East)	**Coordinates:** 18.397941, -66.051980	
	Description: Catholic church situated in the Plaza de Convalecencia at the urban center of the town of Río Piedras designed by architect Francisco Porrata Doria in the Romanesque style, featuring a Latin cross and a central dome decorated with tiles on the outside; the original façade and alabaster altar have remained unchanged, although other aspects have changed, such as when two load-bearing walls were removed to build four new confessionals, ultimately debilitating the structure, due to the recent increase in parishioners; closed down in 2014 and reopened in 2015 after a much needed renovation funded by *Fundación para el Rescate de Río Piedras* and *Comité para la Restauración de la Iglesia del Pilar*; the Catholic parish itself had been established since 1714 by Bishop Fray Pedro de la Concepción Urtiaga y Salazar, and a nearby hermitage dedicated to Our Lady of the Pillar in 1647.		
12.	**Name:** Travesía de Río Piedras; Camino Real		
	SHPO ID: SJ0100036	**ICP ID:** SJ-36	**NRHP ID:** 100003686
	Period: Historic	**Date:** 19th Century	**Distance:** 0.00 mi
	Location: Ponce de León Avenue	**Coordinates:** 18.399050, -66.052407	
	Description: Portion of the Ponce de León Avenue (or *Carretera Central*) between the intersections with Dr. José N. Gándara Avenue to the north and 65 de Infantería Avenue to the south; part of the *Camino Real*, a historic road that connected the city of San Juan with the town of Caguas, passing through Río Piedras, during the 19th century.		
13.	**Name:** Comercio Neoclásico		
	SHPO ID: N/A	**ICP ID:** N/A	**NRHP ID:** Eligible
	Period: Historic	**Date:** 19th Century	**Distance:** 0.08 mi SW

	Location: #16 Georgetti Street	**Coordinates:** 18.397433, -66.051928	
	Description: One-story, brick and masonry commercial structure of Neoclassical style to the south of Nuestra Señora del Pilar Parish; currently operating as a local beauty salon.		
14.	**Name:** Casa de Cultura Prof. Ruth Hernández Torres		
	SHPO ID: N/A	**ICP ID:** N/A	**NRHP ID:** Eligible
	Period: Historic	**Date:** 19th Century	**Distance:** 0.09 mi SW
	Location: #1151 Ponce de León Avenue	**Coordinates:** 18.397667, -66.052697	
	Description: Two-story, wood, brick and masonry residence of *Criollo* style to the south of the Río Piedras Public Plaza; operated as a private bar until the late 90s, it was then acquired by the Municipality of San Juan, at the behest of community leader and university professor Ruth Hernández Torres (1939-1998), with the aim of establishing a cultural center for the community; remodeled in 1998 and officially inaugurated in 2001, then reopened in 2013; currently owned by the *Fideicomiso para el Desarrollo de Río Piedras* (FiDE) and administered by the *Junta Comunitaria del Casco Urbano de Río Piedras*.		
15.	**Name:** Banco Territorial y Agrícola		
	SHPO ID: N/A	**ICP ID:** N/A	**NRHP ID:** Eligible
	Period: Historic	**Date:** ca. 1920	**Distance:** 0.01 mi NW
	Location: #1070 Ponce de León Avenue	**Coordinates:** 18.399302, -66.052473	
	Description: Three-story, wood and masonry, commercial-residential building of Neoclassical style; the first floor is occupied by *Banco Territorial y Agrícola*, a local bank for agricultural development, and a tailor shop.		
16.	**Name:** Antigua Alcaldía		
	SHPO ID: N/A	**ICP ID:** N/A	**NRHP ID:** Eligible
	Period: Historic	**Date:** 19th Century	**Distance:** 0.01 mi NE
	Location: #1070 Ponce de León Avenue	**Coordinates:** 18.399356, -66.052209	
	Description: Two-story, brick and masonry town hall building; currently in an abandoned state; impacted by the construction of an underground railroad tunnel for the *Tren Urbano*; currently in an abandoned state.		
17.	**Name:** Cine-Teatro Paradise		
	SHPO ID: N/A	**ICP ID:** N/A	**NRHP ID:** Eligible
	Period: Historic	**Date:** 1945	**Distance:** 0.04 mi N

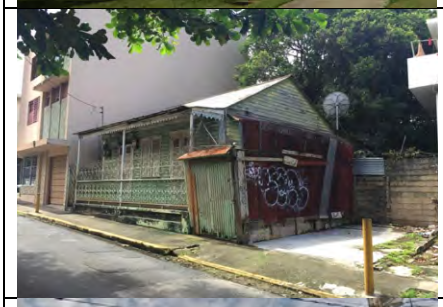
	Location: #1060 Ponce de León Avenue	**Coordinates:** 18.399735, -66.052389	
	Description: Two-story, concrete movie theater with a 1,000-seat capacity and a mezzanine, a Carrier air-conditioning system, and a Western Electric sound system; replaced the previous *Teatro Nuevo*, built in 1910 by Víctor Lugo Vigil; belonged to *Circuito Cobián*, a local company that owned several movie theaters in different parts of the island; considered the main movie theater in Río Piedras for several decades until it closed down in 1988; acquired by the *Fideicomiso para el Desarrollo de Río Piedras* (FIDE) in 2023.		
18.	**Name:** Respetable Logia Masónica Luz del Cosmos #79		
	SHPO ID: N/A	**ICP ID:** N/A	**NRHP ID:** Eligible
	Period: Historic	**Date:** Early 20th Century	**Distance:** 0.10 mi SE
	Location: #1123 Monseñor Torres Street	**Coordinates:** 18.396844, -66.048373	
	Description: Two-story, concrete masonic lodge with a Neoclassical façade; first floor is occupied by a law office and dry cleaners.		
19.	**Name:** Edificio Carlota Matienzo Cintrón		
	SHPO ID: N/A	**ICP ID:** N/A	**NRHP ID:** Eligible
	Period: Historic	**Date:** 1927	**Distance:** 0.22 mi NE
	Location: University of Puerto Rico	**Coordinates:** 18.401831, -66.047772	
	Description: Two-story, concrete residential building for 108 female students of Spanish Revival style; named after Carlota Matienzo Cintrón, renowned educator and member of the first graduating class of the University of Puerto Rico in 1907, as proposed by the *Asociación Puertorriqueña de Mujeres Sufragistas*; located on the south border of the Río Piedras Precinct; currently used as the headquarters for the *Departamento de Consejería para el Desarrollo Estudiantil* (DCODE).		
20.	**Name:** Edificio Neoclásico; Paseo de Diego No. 6		
	SHPO ID: N/A	**ICP ID:** N/A	**NRHP ID:** Eligible
	Period: Historic	**Date:** c. 1920	**Distance:** 0.01 mi S
	Location: #6 Paseo de Diego	**Coordinates:** 18.398907, -66.052108	
	Description: Four-story, concrete, residential-commercial building of Neoclassical style; located on the south side of Paseo de Diego, near the intersection with Ponce de León Avenue; currently in an abandoned state.		
21.	**Name:** United States Postal Service		
	SHPO ID: N/A	**ICP ID:** N/A	**NRHP ID:** Eligible
	Period: Historic	**Date:** 1968	**Distance:** 0.04 mi SE

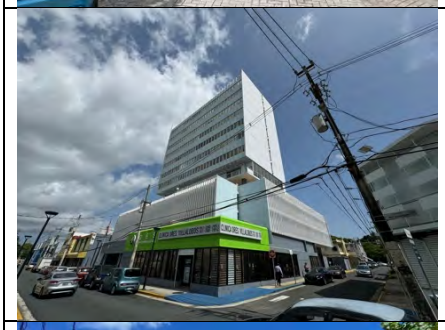
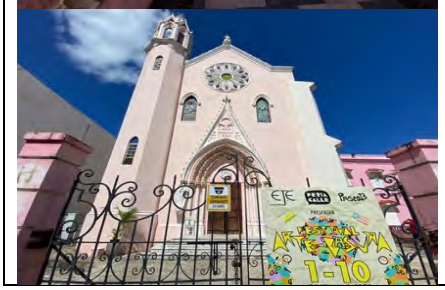
	Location: #112 Arzuaga Street		**Coordinates:** 18.397524, -66.048270
	Description: Multi-story building of Modern style; occupied by the United States Post Office and other commercial offices.		
22.	**Name:** Teatro Modelo		
	SHPO ID: N/A	**ICP ID:** N/A	**NRHP ID:** Eligible
	Period: Historic	**Date:** 1940	**Distance:** 0.01 mi N
	Location: #9 Paseo de Diego		**Coordinates:** 18.399108, -66.051827
	Description: Three-story, concrete, movie theater of Art Deco style with a 408-seat capacity; inaugurated by Spanish entrepreneur Teódulo Llamas along with six other movie theaters in the capital city of San Juan during the first six months of the year; converted into *Pitusa*, a retail store, after closing down in the 1980s.		
23.	**Name:** Teatro Martí		
	SHPO ID: N/A	**ICP ID:** N/A	**NRHP ID:** Eligible
	Period: Historic	**Date:** 1936	**Distance:** 0.01 mi S
	Location: #74 José de Diego Avenue		**Coordinates:** 18.398318, -66.049998
	Description: Three-story, concrete, movie theater of Art Deco style with a 758-seat capacity; designed by Pedro de Castro and inaugurated by Rafael Martí; only the façade remains, as the interior was completely scrapped and then converted into *La Nueva Era*, a clothing store.		
24.	**Name:** Residencia Renacimiento Español; Avenida José de Diego No. 252		
	SHPO ID: N/A	**ICP ID:** N/A	**NRHP ID:** Not Eligible
	Period: Historic	**Date:** Mid-20th Century	**Distance:** 0.01 mi S
	Location: #252 José de Diego Avenue		**Coordinates:** 18.398210, -66.044403
	Description: Three-story, concrete, private residence of Spanish Revival style with a substantially modified façade; converted into a commercial establishment, currently in use as a barbershop.		
25.	**Name:** Plaza del Mercado Rafael Hernández Marín		
	SHPO ID: N/A	**ICP ID:** N/A	**NRHP ID:** Eligible
	Period: Historic	**Date:** 1962-1968	**Distance:** 0.01 mi N
	Location: #114 Vallejo Street		**Coordinates:** 18.398993, -66.048263
	Description: One-story, concrete, public marketplace with underground parking and basement level with an area of 121,255 square feet, designed by Pedro Miranda and built over the footprint of the previous rectangular public market		

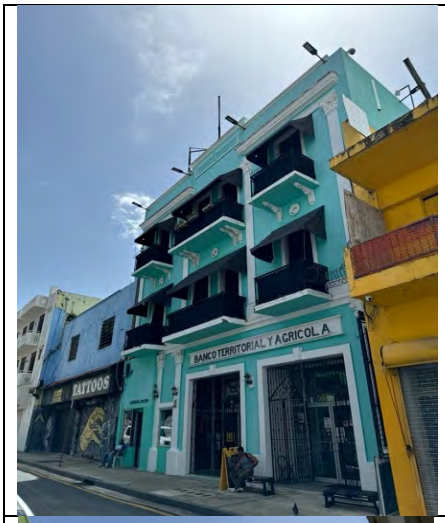
	designed by Adrian C. Finlayson between 1915-1920 and demolished in 1958; renovated between 1998-2000 under the direction of José Coleman Davis and Nataniel Fuster, where they proposed the opening of skylights on the barrel vaults that topped the roof center to improve the interior illumination, renewing the aesthetic of its original façade by adding a metal and glass curtain wall made with horizontal louvers, and improving the interior appearance without altering the interior spatial distribution, and installing an air conditioning system; Imel Sierra designed the skylight, inspired by the form, colors, and shades of banana leaves, which was installed around 2000.

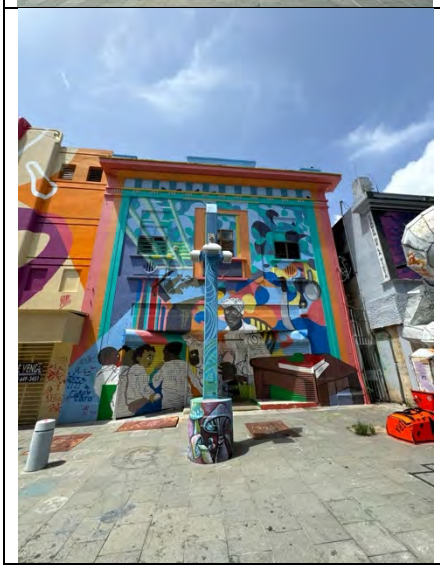
Table 4. NRHP-Listed/Eligible Historic Properties Within the Visual APE

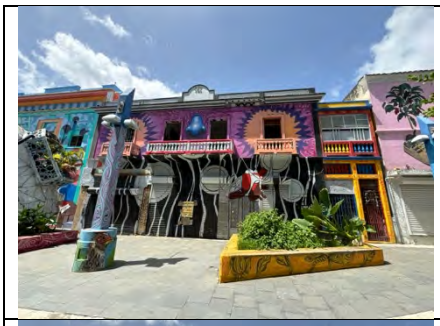
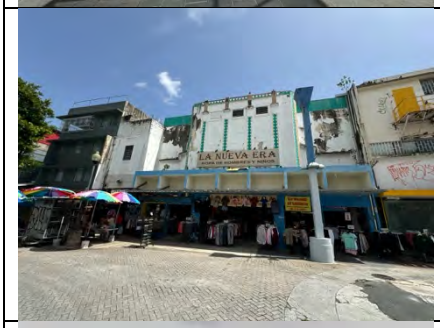
Image	Coordinates	Address	Name	Date	NHRP
	18°23'51.4"N 66°03'02.0"W	Between Brumbaugh & Arzuaga, Georgetti Soto Street	Plaza de la Convalecencia	Convalescence house and gardens built in late 19th century and transformed several times. Last renovation was done ca. 2000.	SJ0100018 (Eligible)
	18°24'05.1"N 66°03'07.9"W 18°23'50.8"N 66°03'10.3"W	Ponce de León Avenue (Gándara Avenue to 65 de Infantería Avenue)	Travesía de Río Piedras	Segment of Ponce de León Avenue (former *Camino Real*), crossing the Río Piedras urban center, from 17th century to the present.	SJ0100036 (Listed)
	18°24'00.4"N 66°02'53.7"W	#42 Robles Street	Luis Muñoz Rivera School & José Celso Barbosa Graduate School	The Luis Muñoz Rivera School built in 1924-1928 and designed by Fidel Sevillano and Rafael Carmoega in a Beaux-Arts style.	Eligible (under Criteria A, B, and C)
	18°24'10.1"N 66°02'58.0"W	University Avenue, Ponce de León Avenue & Gándara Avenue	Torre y Cuadrángulo de la Universidad de Puerto Rico	Spanish Revival-Neo Plateresque style compound built in the 1930s and early 1940s decades, which belongs to the University of Puerto Rico (UPR)	SJO 0200037 (Listed)

	18°24'01.7"N 66°03'03.1"W	Brumbaugh & Norte Streets	Hawthorne School	Built in 1901, the Hawthorne School is designed in Beaux Arts style and partially built in brick and masonry.	SJO 0200064 (Eligible)
	18°24'01.9"N 66°03'06.5"W	#3 Saldaña Street	Edificio Comunidad Orgullo Gay	Two-story, concrete building with two separate living units, built in 1937 in a Spanish Revival style, though its architect is unknown.	SJO 16000237 (Listed)
	18°24'09.2"N 66°02'48.3"W	University of Puerto Rico, Río Piedras Campus	Residencia de Señoritas (Resi-Campus), UPRRP	Modern style, nine-story, concrete housing complex designed by Henry Klumb and finished in 1960, located at the University of Puerto Rico.	SG 100002695 (Listed)
	18°23'59.9"N 66°02'58.7"W	#1018 Ferrocarril Street	Casa Vigil	Vernacular, one-story wooden residence, built by the Vigil Brothers in 1898, with a side gabled metal roof, brick porch, cast iron railings, and a concrete foundation.	SG 100002694 (Listed)
	18°24'01.7"N 66°03'00.8"W	Norte Street	Escuela de Artes y Oficios (Escuela Laboratorio de la UPR)	Concrete one story building, designed by Joseph O´Kelly in an Art Deco fashion, with a U shape floor plan and basement. in 1929.	Eligible (under Criteria A, B, and C)

	18°23'55.0"N 66°02'53.7"W	José de Diego Avenue	Rafael Hernández Public Market Place	One story, concrete modern building designed by Pedro Miranda and built between 1963 and 1968 over the footprint of the old Río Piedras Market Place.	Eligible (under Criteria, A, C, and D)
	18°23'51.4"N 66°02'53.9"W	Arzuaga & Monseñor Torres Streets	Medina Commercial Center and Office Building	Twelve-story, concrete building inaugurated ca. 1968. Designed by Rodolfo Fernández within an International Style fashion.	Eligible (under Criteria A and C)
	18°23'56.1"N 66°02'56.3"W	#107 José de Diego Avenue	Colegio e Iglesia La Milagrosa	Two-story, concrete school designed by Francisco Fullana Serra and built by his brother Jaime, whom was an engineer, in mid-1930s, with austere Spanish Revival elements; the Neo-Gothic concrete church was finished in 1954.	Eligible (under Criteria B and C)

	18°23'57.4"N 66°03'08.8"W	#1057 Ponce de León Avenue	Banco Territorial y Agrícola	Three-story, concrete, mix-use building erected circa 1920 and designed within Neoclassical traits. The institution itself was established in late 19th century.	Eligible (under Criteria A, B, and C)
	18°23'56.3"N 66°03'08.5"W	#4 Paseo de Diego	Banco Popular - Río Piedras Branch	Two-story concrete building erected ca. 1965 and designed by architect Horacio Díaz within International Style traits.	Eligible (under Criteria A, B, and C)
	18°23'56.1"N 66°03'07.6"W	#6 Paseo de Diego	Mix-Use Building	Three-story, concrete, mix-use building (retail in first floor, residences in second and third floors). Present in 1931 and 1936 aerial imagery; likely built in the 1920s within Beaux-Arts traits.	Eligible (under Criteria A and C)

	18°23'56.1"N 66°03'07.6"W	#8 Paseo de Diego	Mix-Use Building	Three-story, concrete, mix-use building (retail and apartments). Present in 1962 aerial imagery; likely built in the 1940s within Art Deco traits.	Eligible (under Criteria C and D)
	18°23'56.5"N 66°03'06.6"W	#9 Paseo de Diego	Teatro Modelo	Three-story, concrete building. Former theater and cinema built in 1939 by the *Teatros Modernos Corporation* within an Art Deco style.	Eligible (under Criteria A, B, C, and D)
	18°23'56.6"N 66°03'06.4"W	#11 Paseo de Diego	Mix-Use Building	Two-story, concrete building erected ca. 1920 within a Neoclassical style.	Eligible (under Criteria, C and D)

	18°23'56.1"N 66°03'05.9"W	#13 Paseo de Diego	Mix-Use Building	Two-story, concrete mix-use building erected ca. 1922 within Neoclassical traits.	Eligible (under Criteria C and D)
	18°23'56.1"N 66°03'05.2"W	Paseo de Diego & Brumbaugh Street	Mix-Use Building	Two-story, concrete mix-use building erected ca. 1935 and designed within Spanish Revival traits.	Eligible (under Criteria C and D)
	18°23'56.1"N 66°03'05.9"W	#65 Paseo de Diego	Mix-Use Building	Two-story, concrete mix-use building, erected ca. 1935 and designed within Spanish Revival traits.	Eligible (under Criteria C and D)
	18°23'54.2"N 66°02'59.9"W	#74 Paseo de Diego	Teatro Martí	Three-story, concrete building. Former movie theater built ca. 1945 and designed within Art Deco traits. Presently used as a clothing store.	Eligible (under Criteria C and D)
	18°23'53.7"N 66°02'39.9"W	#252 José de Diego Avenue	Single Residence	Three-story, concrete, single-residence converted into commercial establishment. Built between 1936-1962.	Not Eligible

Determination

The following historic properties have been identified within the APE and the Program has determined the project will have the following effects on them:

- Direct Effect: From Zone 1 to Zone 2, early to mid-20th century NRHP-eligible historic properties flanking both sides of *Paseo de Diego*, from Ponce de León Avenue to Ferrocarril Street, including the perpendicular Del Carmen Street, will be affected by the undertaking, which seeks to revitalize the iconic pedestrian promenade within the Río Piedras Traditional Urban Center. This includes NRHP-eligible historic properties such as *Paseo de Diego No. 6* and *Teatro Modelo*. The portion of Ponce de León Avenue that intersects with the west entrance of *Paseo de Diego* will also be affected. Known as Comercio Street, it formed part of Travesía de Río Piedras (SJ0100036), the 19th century road that connected San Juan to Caguas, passing through Río Piedras. Ponce de León Avenue (or *Carretera Central*) is itself an NRHP-listed historic property, included in 2019. From Zone 3 to Zone 4, there are mid-20th century NRHP-eligible historic properties along José de Diego Avenue, particularly from Ferrocarril Street to Vallejo Street, such as *Teatro Martí*, *Colegio e Iglesia La Milagrosa* and *Plaza del Mercado Rafael Hernández Marín*. There are no NRHP-eligible historic properties from Vallejo Street to José Celso Barbosa Avenue. *Avenida José de Diego No. 252*, between Padres Capuchinos Street and José Celso Barbosa Avenue, is not considered NRHP-eligible. As evidenced by cultural resource studies, buried historic infrastructural materials underneath *Paseo de Diego* and José de Diego Avenue, as well as Ponce de León Avenue, may be negatively impacted by ground-disturbing activities. The NRHP-eligible Río Piedras Traditional Urban Center itself will not be directly affected as the undertaking does not increase the pedestrian promenade or avenue's dimensions or alter the surrounding urban configuration.

- Indirect Effect: The undertaking will intervene in the aesthetics of *Paseo de Diego*, and as such, will indirectly affect the cultural viewshed of the project area, which is located within the NRHP-eligible Río Piedras Traditional Urban Center. Urban furniture and technical infrastructure must be installed in harmony with the façades of the NRHP-eligible historic properties that surround *Paseo de Diego* and, to a lesser extent, José de Diego Avenue.

Based on the results of our historic property identification efforts, the Program has determined that project actions will directly and indirectly affect the historic properties that compose the Area of Potential Effects. However, the proposed project will have a No Adverse Effect due to design plans that respect the historic character of the Río Piedras Traditional Urban Center and providing an Archaeological Monitoring Plan approved by the Puerto Rico State Historic Preservation Office (PRSHPO) that will be implemented by an SOI-Qualified Archaeological Monitor during all proposed ground-disturbing activities.

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: An Archaeological Monitoring Plan for the rehabilitation of *Paseo de Diego* and José de Diego Avenue (State Road PR-47) must be submitted and approved by the Puerto Rico State Historic Preservation Office (PRSHPO) and implemented by an SOI-Qualified Archaeological Monitor during all proposed ground-disturbing activities from Zone 1 to Zone 4 given the potential for intact deposits and overall sensitivity of the Río Piedras Traditional Urban Center.

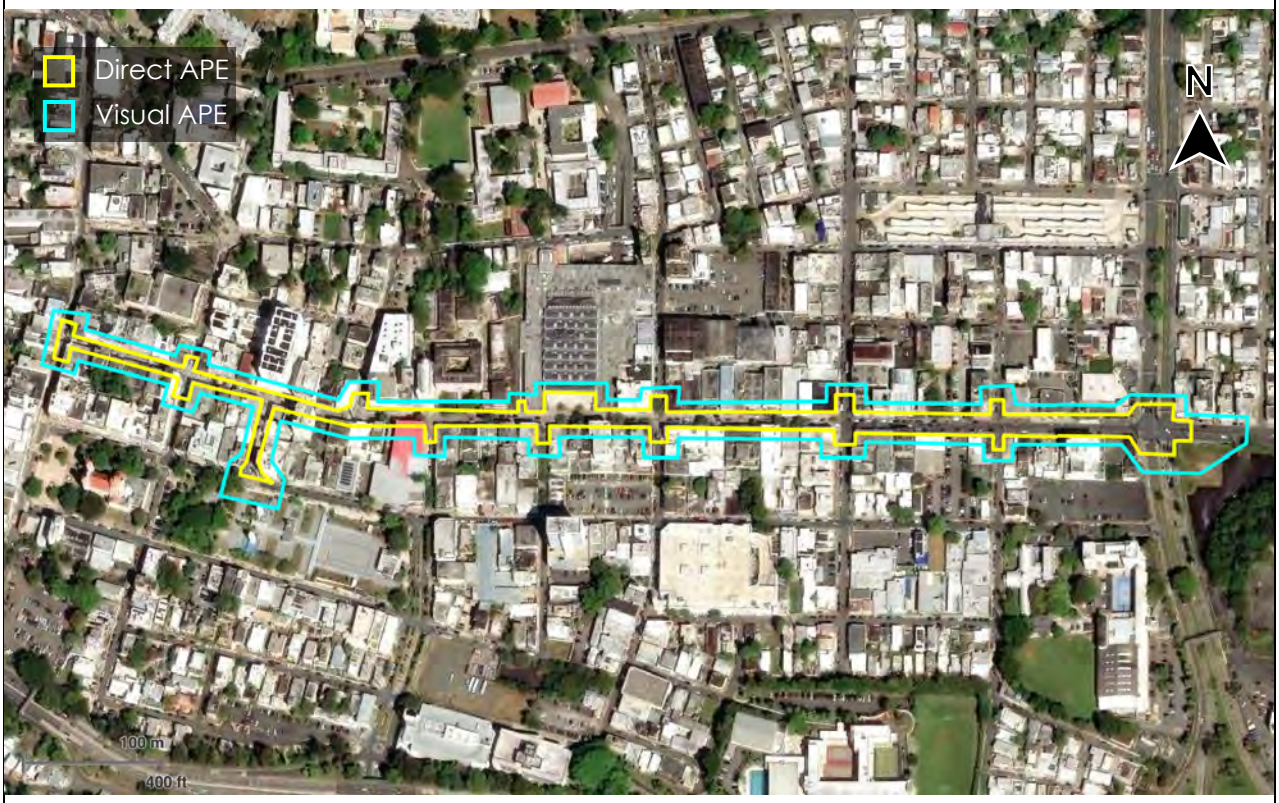
☐ Adverse Effect

Proposed Resolution:

This Section is to be Completed by SHPO Staff Only

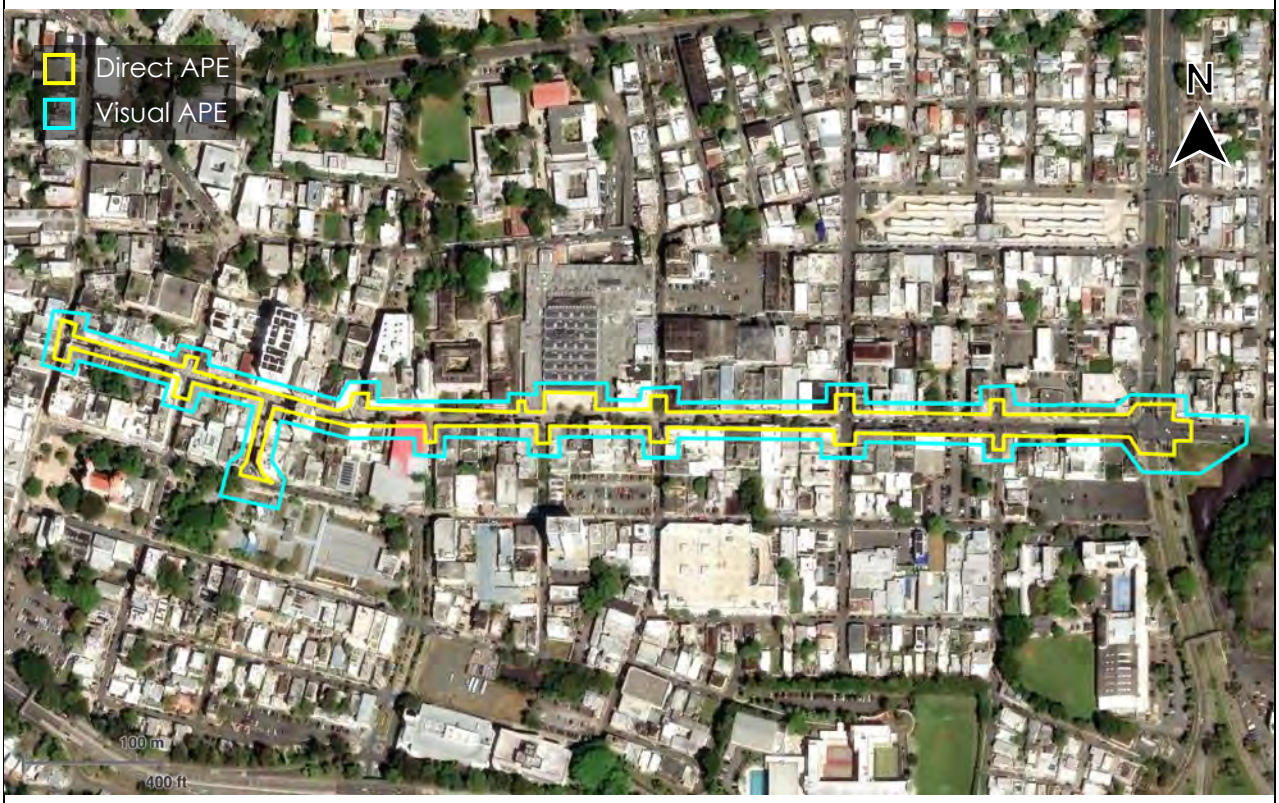
The Puerto Rico State Historic Preservation Office has reviewed the above information and: ☐ **Concurs** with the information provided. ☐ **Does not concur** with the information provided.	
Comments:	
Carlos Rubio-Cancela State Historic Preservation Officer	Date:

Figure 16. Project (Parcel) Location - Direct & Visual Area of Potential Effects Map



Source: Interactive Map of United States Environmental Protection Agency, NEPAssist (https://nepassisttool.epa.gov/nepassist/nepamap.aspx)

Figure 17. Project (Parcel) Location - Aerial Map

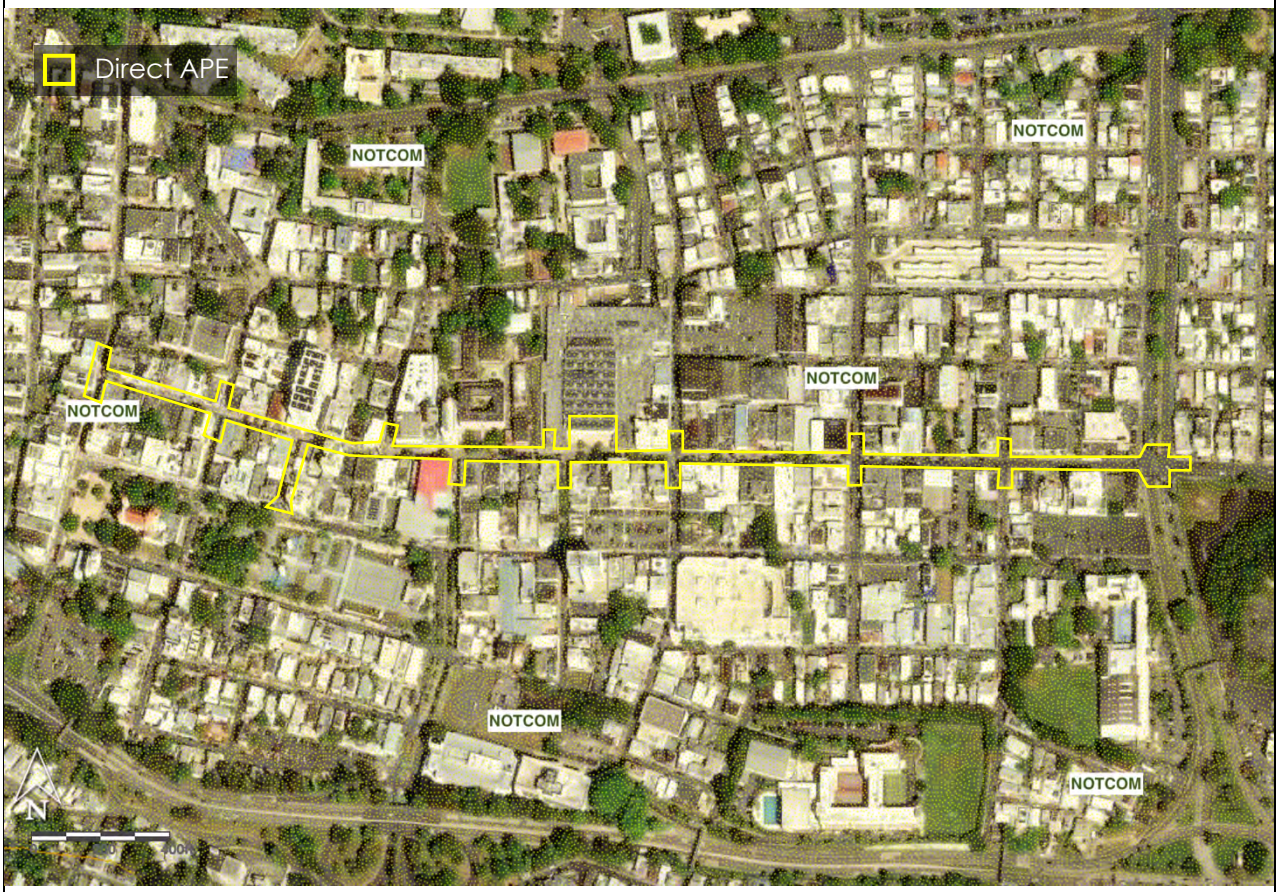


Source: Interactive Map of United States Environmental Protection Agency, NEPAssist (https://nepassisttool.epa.gov/nepassist/nepamap.aspx)

Figure 18. Project (Parcel) Location - USGS Topographic Map

Source: Interactive Map of United States Environmental Protection Agency, NEPAssist (https://nepassisttool.epa.gov/nepassist/nepamap.aspx)

Figure 19. Project (Parcel) Location - Soils Map

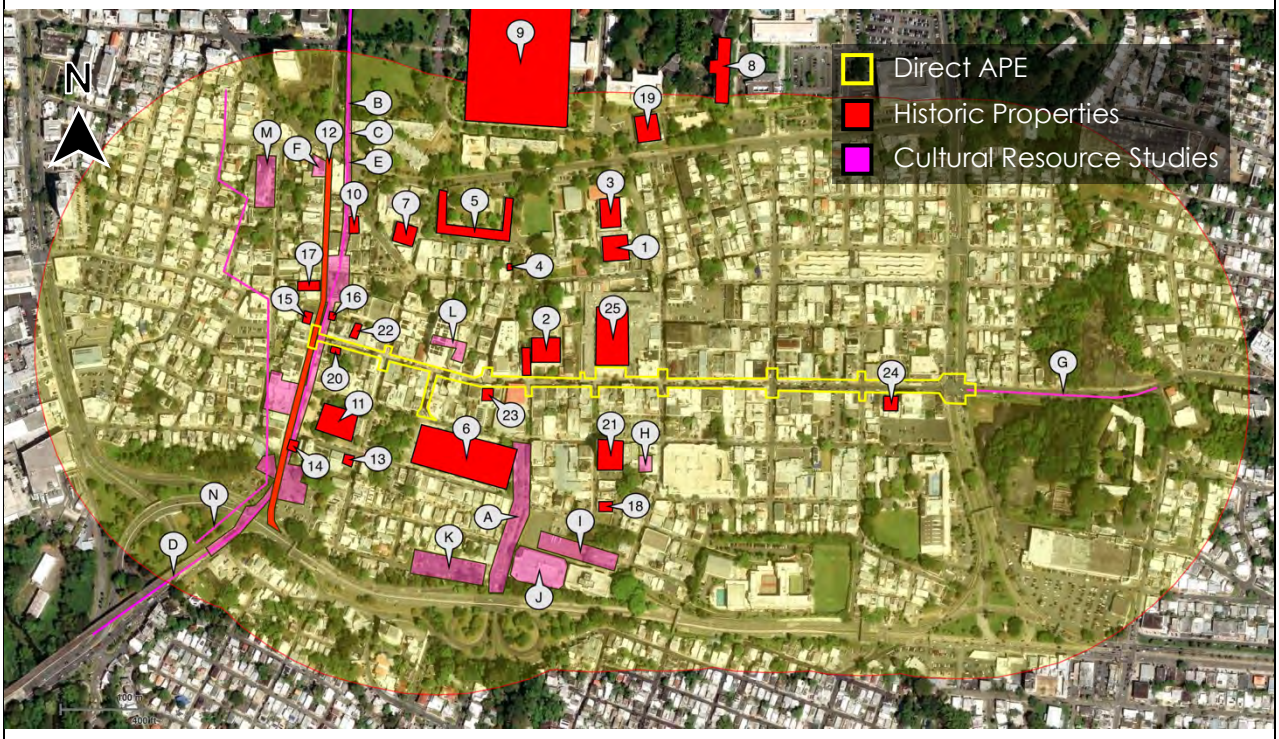


Source: Interactive Map of Puerto Rico Planning Board, MIPR (http://gis.jp.pr.gov/mipr/)

Figure 20. Project (Parcel) Location - Río Piedras Traditional Urban Center

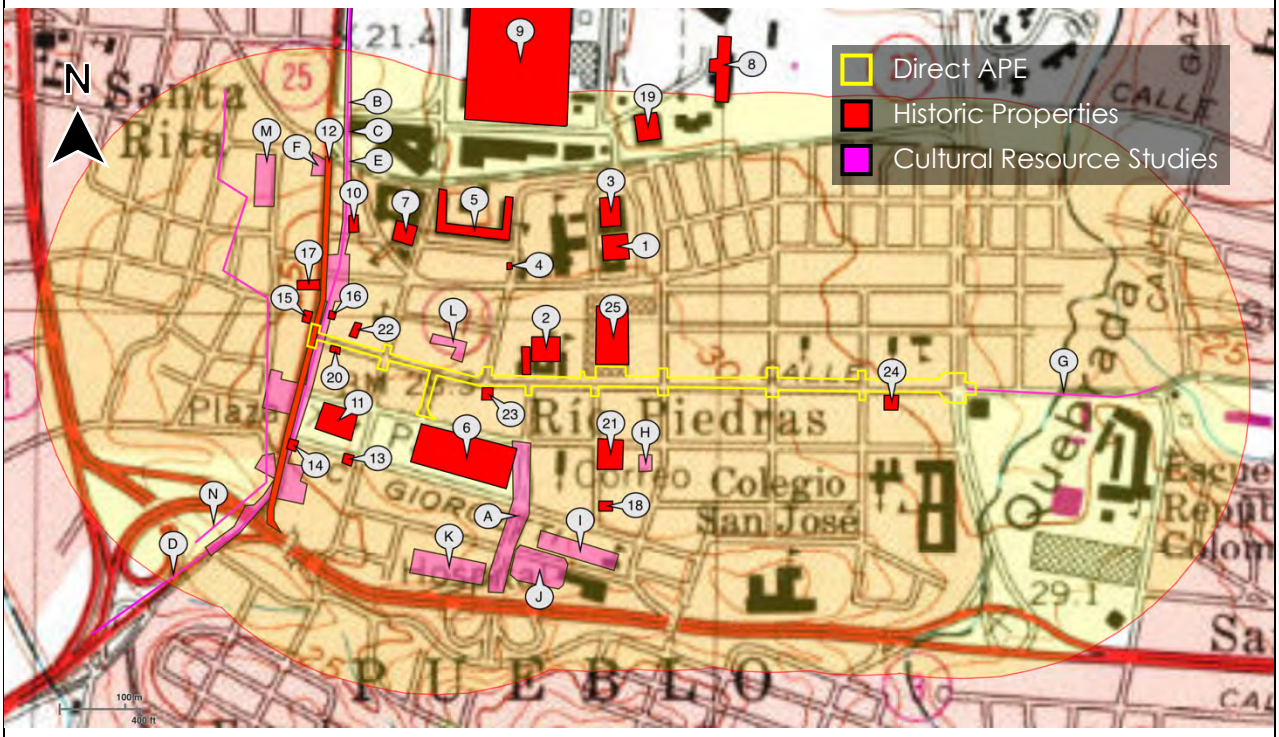
Source: Interactive Map of ArcGIS Online, ESRI (https://tt-emi.maps.arcgis.com)

Figure 21. Project (Parcel) Location w/ Recorded Historic Properties & Cultural Resource Studies - Aerial Map



Source: Interactive Map of United States Environmental Protection Agency, NEPAssist (https://nepassisttool.epa.gov/nepassist/nepamap.aspx)

Figure 22. Project (Parcel) Location w/ Recorded Historic Properties & Cultural Resource Studies - Topographic Map



Source: Interactive Map of United States Environmental Protection Agency, NEPAssist (https://nepassisttool.epa.gov/nepassist/nepamap.aspx)

Figure 23. Photograph Key - Zone 1

Source: 202X Satellite Image, Google Earth Pro
(https://www.google.com/intl/es/earth/about/versions)

Figure 24. Photograph Key - Zone 2

Source: 202X Satellite Image, Google Earth Pro
(https://www.google.com/intl/es/earth/about/versions)

Figure 25. Photograph Key - Zone 3

Source: 202X Satellite Image, Google Earth Pro
(https://www.google.com/intl/es/earth/about/versions)

Figure 26. Photograph Key - Zone 4

Source: 202X Satellite Image, Google Earth Pro
(https://www.google.com/intl/es/earth/about/versions)

Photo: 1 **Date:** 8/16/24	**Description:** One-lane intersection between the west entrance to *Paseo de Diego* and Ponce de León Avenue (State Road PR-25) [Zone 1].

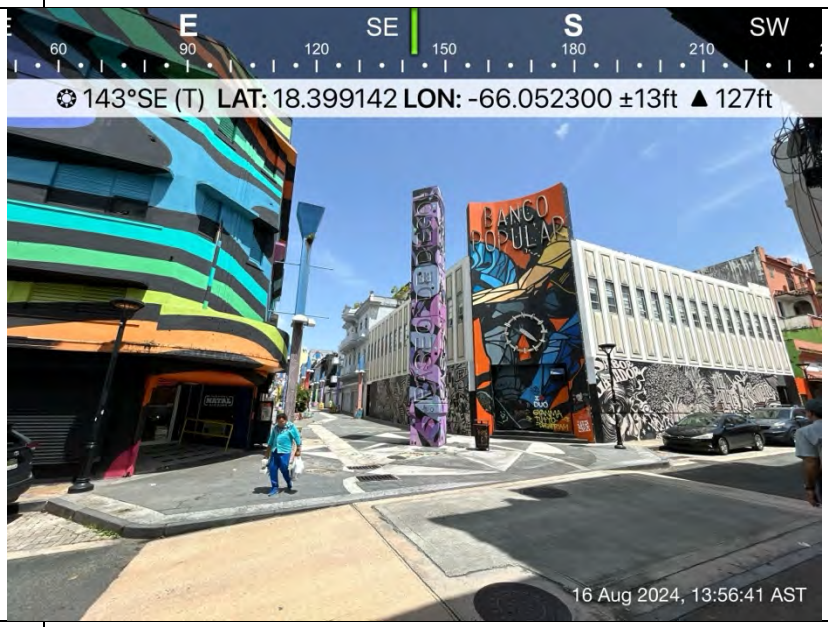


Photo: 2 **Date:** 8/16/24	**Description:** One-lane intersection between the west entrance to *Paseo de Diego* and Ponce de León Avenue (State Road PR-25) [Zone 1].

Photo: 3 **Date:** 8/16/24	**Description:** West entrance of *Paseo de Diego*, flanked by early to mid-20th century historic properties on both sides [Zone 1].

Photo: 4 **Date:** 8/16/24	**Description:** "Astronaut Monument" by Kidnetick on *Paseo de Diego*, pedestrian block between Ponce de León Avenue (State Road PR-25) and Brumbaugh Street [Zone 1].

Photo: 5 **Date:** 8/16/24	**Description:** Pedestrian block in *Paseo de Diego* between Ponce de León Avenue (State Road PR-25) and Brumbaugh Street [Zone 1].

Photo: 6 **Date:** 8/16/24	**Description:** One-lane intersection between *Paseo de Diego* and Brumbaugh Street [Zone 1].

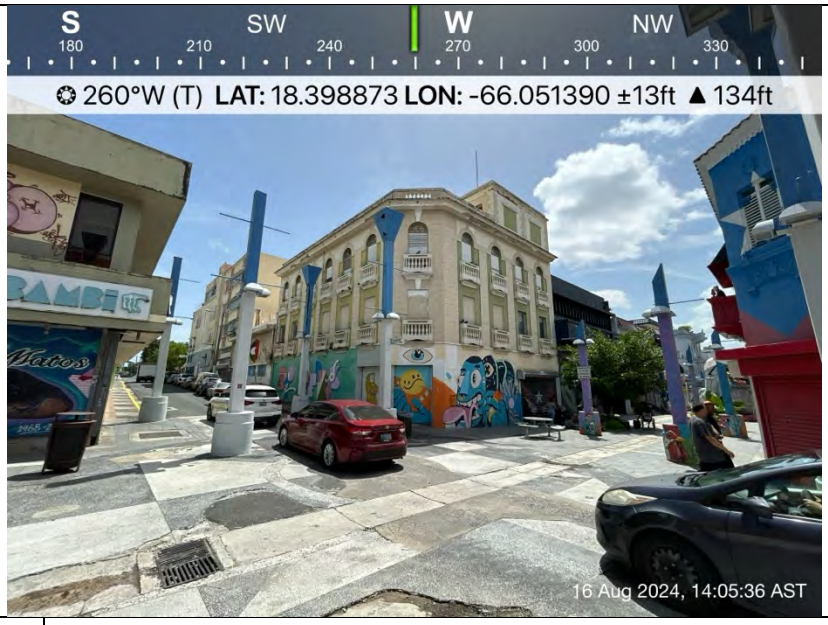


Photo: 7 **Date:** 8/16/24	**Description:** One-lane intersection between *Paseo de Diego* and Brumbaugh Street [Zone 2].

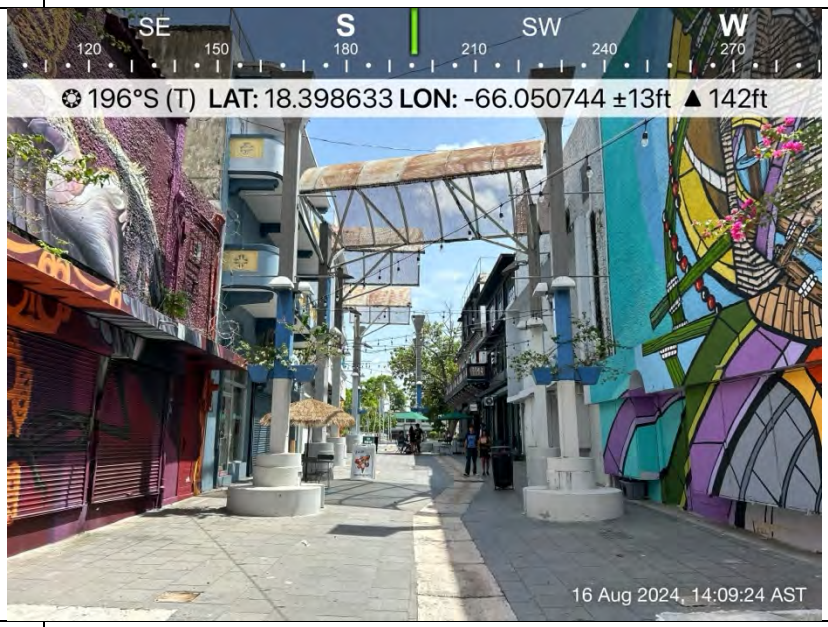


Photo: 8 **Date:** 8/16/24	**Description:** Pedestrian block in Del Carmen Street, *facing Plaza de la Convalecencia* [Zone 2].

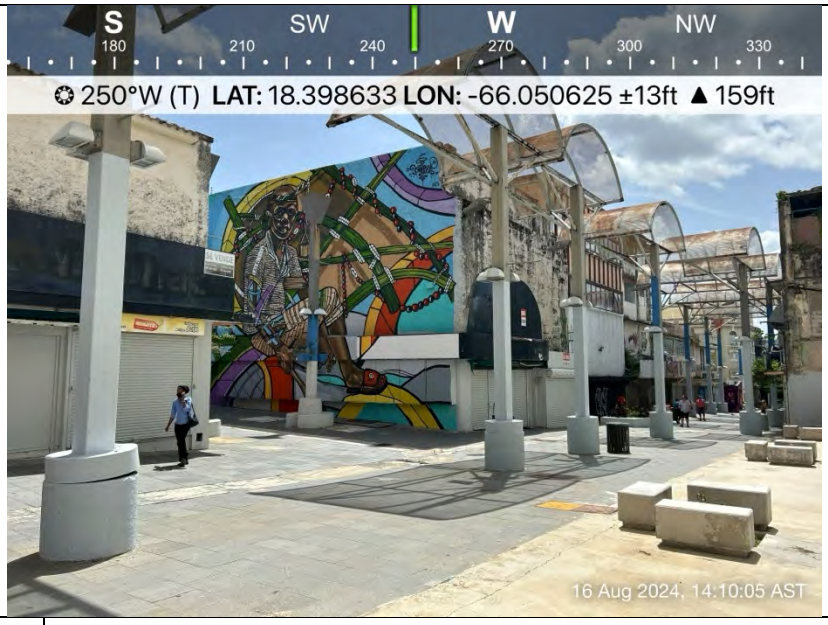


Photo: 9	**Description:** Pedestrian block in *Paseo de Diego* with decorative metal umbrellas between Brumbaugh Street and Del Carmen Street [Zone 2].
Date: 8/16/24	

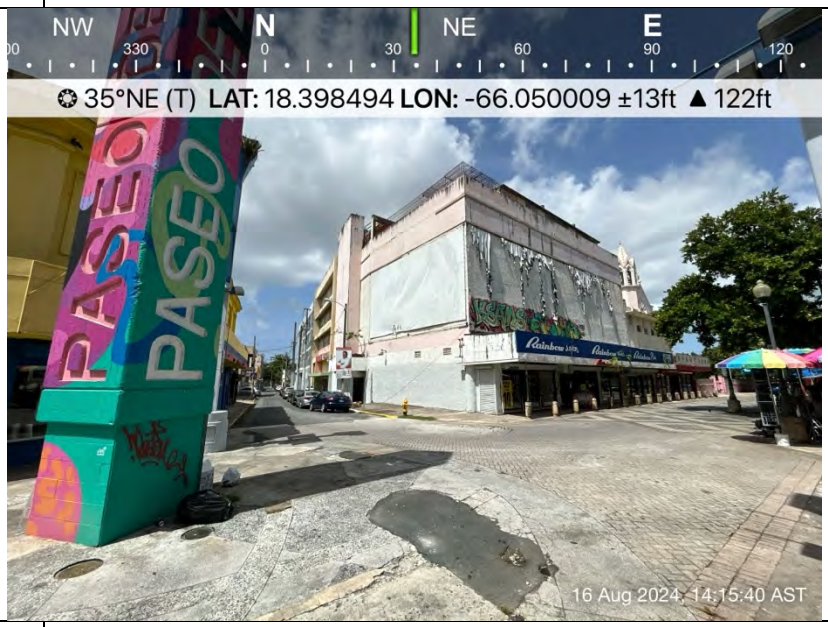


Photo: 10	**Description:** One-lane intersection between the east end of *Paseo de Diego* and Ferrocarril Street [Zone 2].
Date: 8/16/24	

Photo: 11	**Description:** One-lane intersection between the east end of *Paseo de Diego* and Ferrocarril Street [Zone 3].
Date: 8/16/24	

Photo: 12	**Description:** *Colegio e Iglesia La Milagrosa* facing the one-lane intersection between José de Diego Avenue (State Road PR-47) and Camelia Soto Street [Zone 3].
Date: 8/16/24	

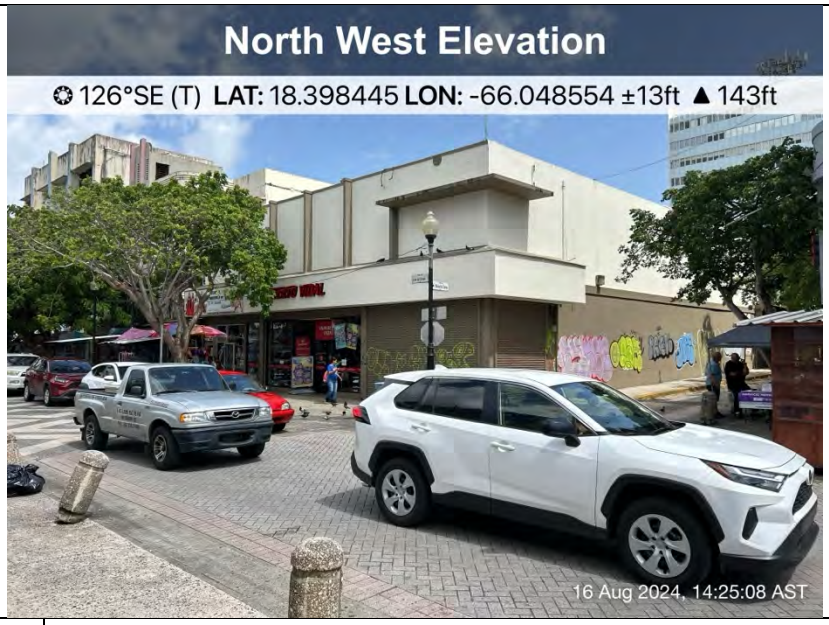


Photo: 13	**Description:** One-lane intersection between José de Diego Avenue (State Road PR-47) and Monseñor Torres Street [Zone 3].
Date: 8/16/24	

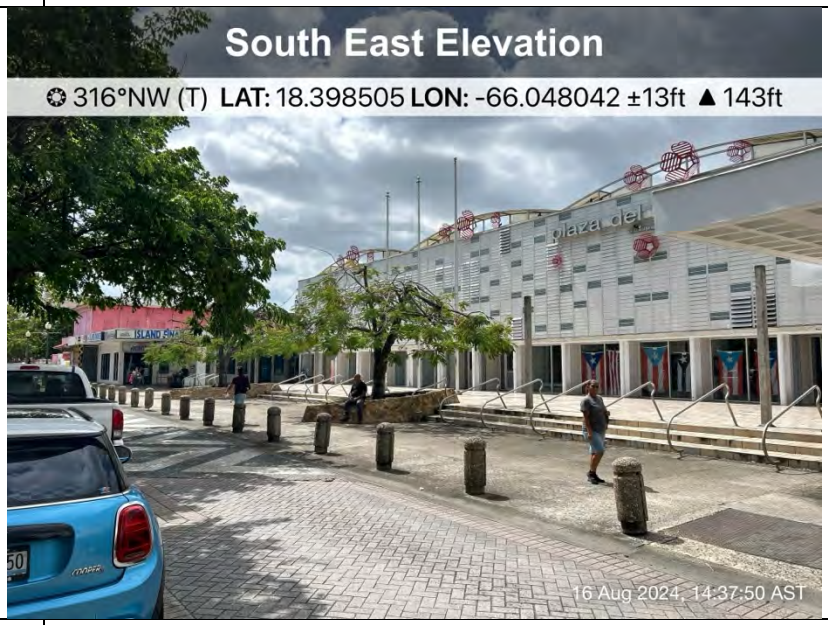


Photo: 14	**Description:** *Plaza del Mercado Rafael Hernández Marín* facing José de Diego Avenue (State Road PR-47) [Zone 3].
Date: 8/16/24	

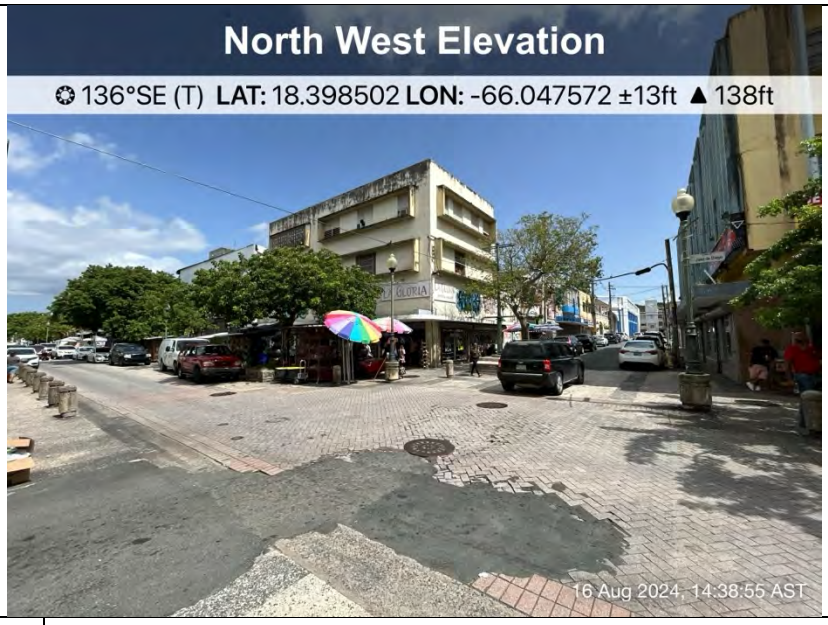


Photo: 15 **Date:** 8/16/24	**Description:** Two-lane intersection between José de Diego Avenue (State Road PR-47) and Vallejo Street [Zone 3].

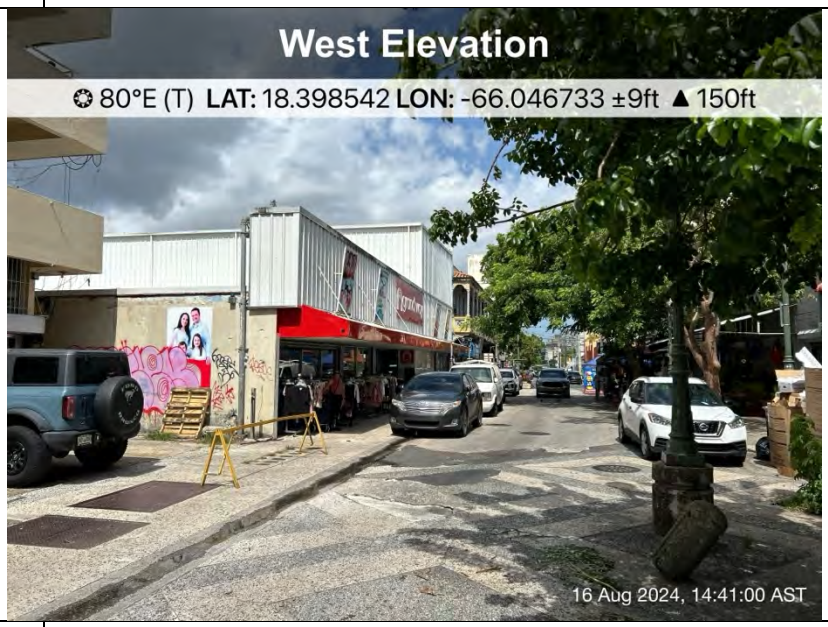


Photo: 16 **Date:** 8/16/24	**Description:** Block in José de Diego Avenue (State Road PR-47) between Vallejo Street and Monseñor William Jones Street [Zone 4].

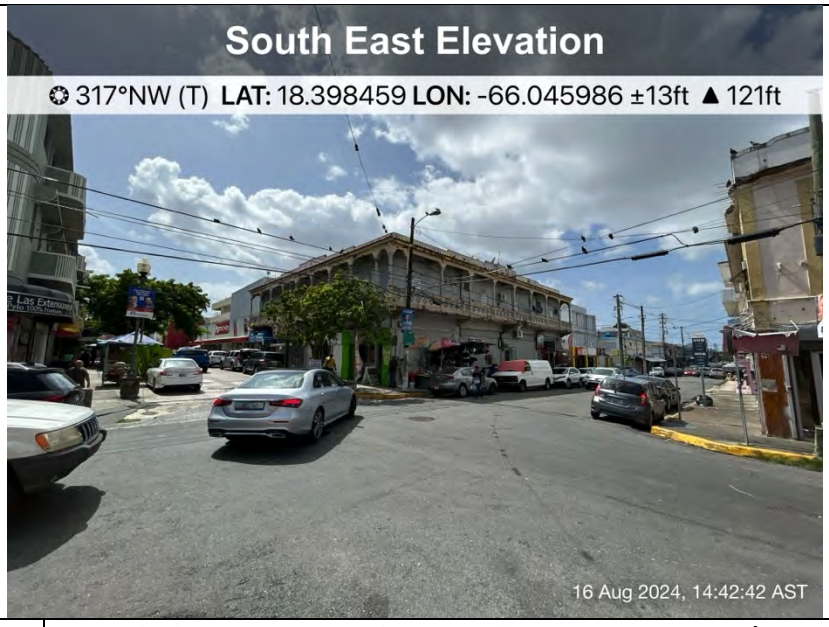


Photo: 17 **Date:** 8/16/24	**Description:** Two-lane intersection between José de Diego Avenue (State Road PR-47) and Monseñor William Jones Street [Zone 4].

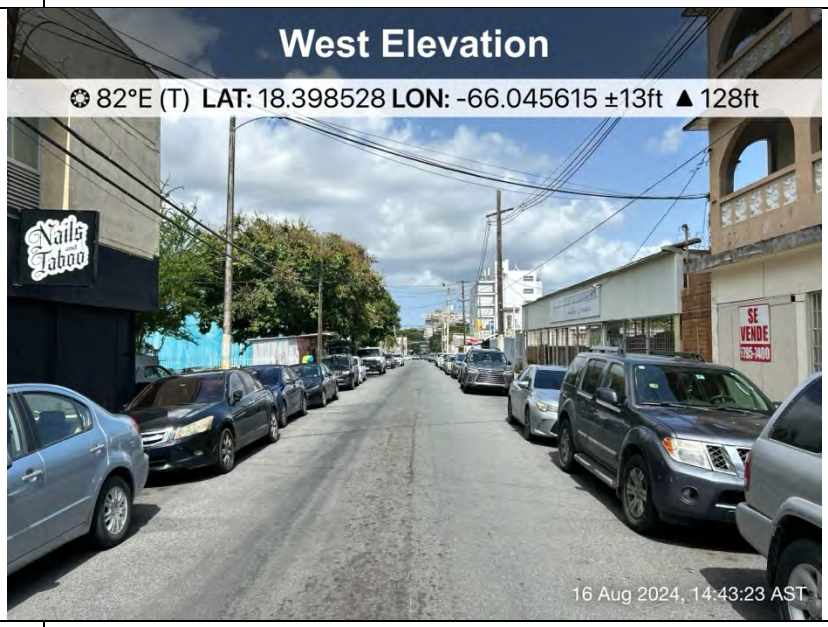


Photo: 18 **Date:** 8/16/24	**Description:** Block in José de Diego Avenue (State Road PR-47) between Monseñor William Jones Street and Padres Capuchinos Street [Zone 4].

Photo: 19 **Date:** 8/16/24	**Description:** Two-lane intersection between José de Diego Avenue (State Road PR-47) and Padres Capuchinos Street [Zone 4].

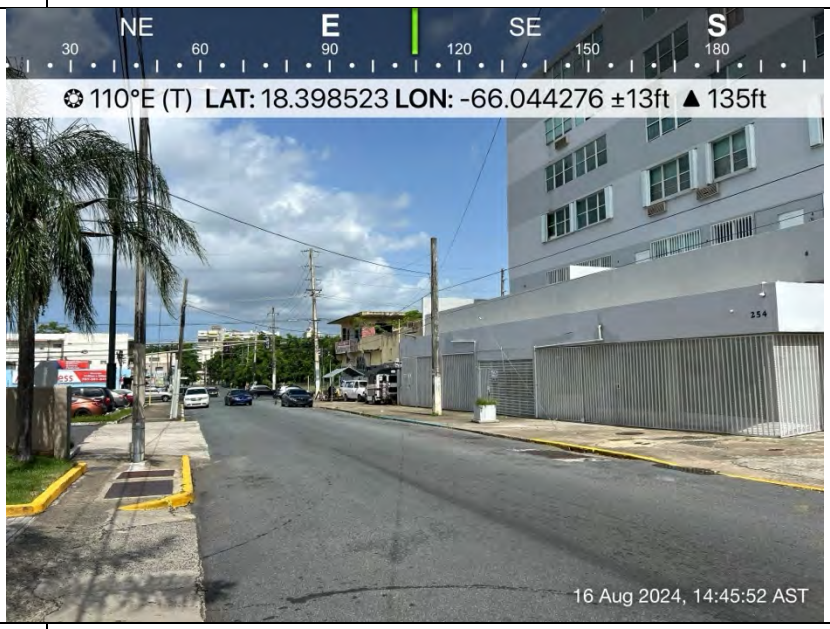


Photo: 20 **Date:** 8/16/24	**Description:** Block in José de Diego Avenue (State Road PR-47) between Padres Capuchinos Street and José Celso Barbosa Avenue (State Road PR-27) [Zone 4].

Photo: 21 **Date:** 8/16/24	**Description:** Four-lane intersection between José de Diego Avenue (State Road PR-47) and José Celso Barbosa Avenue (State Road PR-27) [Zone 4].

Photo: 22 **Date:** 8/16/24	**Description:** Four-lane intersection between José de Diego Avenue (State Road PR-47) and José Celso Barbosa Avenue (State Road PR-27) [Zone 4].

PR-CRP-000956

Paseo de Diego

San Juan, Puerto Rico

60% Design Drawings

File: P:\pr\65-San Juan\2125.0 AE Services Calle - Paseo de Diego\04-Design Development Prelim 60%\00-General Sheets\CALLE-PASEO DE DIEGO_TITLE INDEX AND LOCATION MAPS-0001; Plotted: 4/26/2024 2:02 PM by SVAZQUEZ; Saved: 12/4/2023 2:52 PM by SVAZQUEZ; Shared Project Model ID: CPE-F-07-B

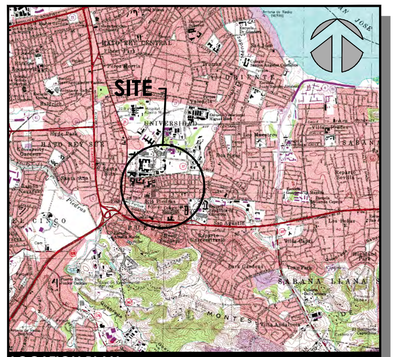
CRP-00956-PASEO DE DIEGO AND STREET REHABILITATION

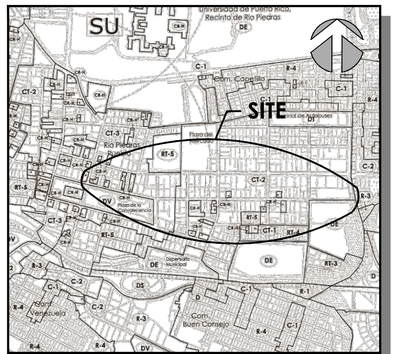
FROM JUAN PONCE DE LEON AVE.
TO BARBOSA AVE., RIO PIEDRAS

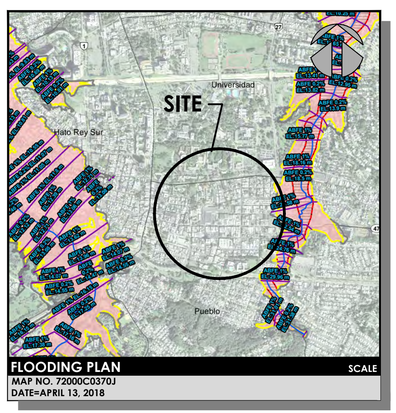
SAN JUAN, PUERTO RICO

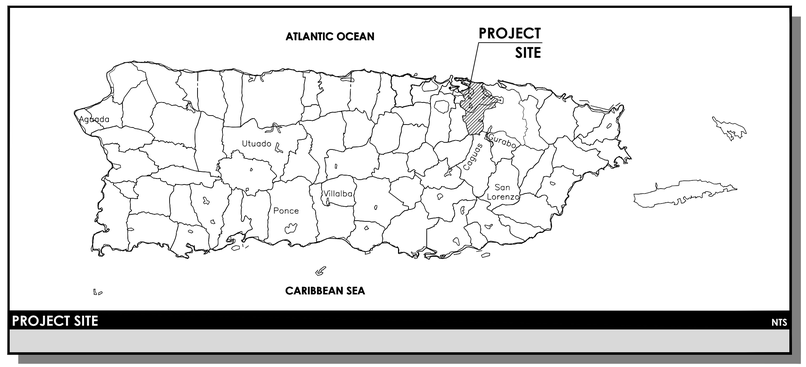
60% PRELIMINARY DESIGN

APRIL 26, 2024









SHEET INDEX

Sheet Number	Sheet Name
General Sheet	
G001	TITLE SHEET
G003	ABBREVIATIONS, SYMBOLS, GENERAL LEGEND & GENERAL NOTES
SURVEY	
001	SURVEY SITE PLAN PARTIAL A
002	SURVEY SITE PLAN PARTIAL B
003	SURVEY SITE PLAN PARTIAL C
004	SURVEY SITE PLAN PARTIAL D
005	SURVEY SITE PLAN PARTIAL F
CIVIL	
K050	CIVIL KEY PLAN
D 101	DEMOLITION SITE PLAN
D 102	DEMOLITION SITE PLAN
D 103	DEMOLITION SITE PLAN
C 108	PAVEMENT SITE DETAILS
LANDSCAPE	
L-000	OVERALL PLAN
L-101	HARDSCAPE AND FURNITURE PLAN
L-102	HARDSCAPE AND FURNITURE PLAN
L-103	HARDSCAPE AND FURNITURE PLAN
L-104	HARDSCAPE AND FURNITURE PLAN
L-201	EXISTING AND PROPOSED SECTIONS FOR PASEO DE DIEGO
L-202	EXISTING AND PROPOSED SECTIONS FOR DE DIEGO STREET
L-401	TREE PLAN
L-402	TREE PLAN
L-403	TREE PLAN
L-404	TREE PLAN
L-421	SHRUB AND GROUNDCOVER PLANTING PLAN
L-422	SHRUB AND GROUNDCOVER PLANTING PLAN
L-423	SHRUB AND GROUNDCOVER PLANTING PLAN
L-424	SHRUB AND GROUNDCOVER PLANTING PLAN
L-501	URBAN FURNITURE
L-502	URBAN FURNITURE AND LUMINAIRES
L-503	HARDSCAPE DETAILS
L-601	PLANTING DETAILS
L-602	TREE PLANTING SCHEDULE
L-603	SHRUB & GROUNDCOVER PLANTING SCHEDULE

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YO, CARLOS I. BAEZ DOTEL, LIC. 17371, 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 O CORPORACIONES PÚBLICAS CON JURISDICCIÓN. CERTIFICO, ADEMÁS, QUE EN LA PREPARACIÓN DE ESTOS PLANOS Y ESPECIFICACIONES SE HA CUMPLIDO CABALMENTE CON LOS DISPUESTO EN LA "LEY NÚM.14 DE 8 DE ENERO DE 2004, SEGÚN ENMENDADA, CONOCIDA COMO LA "LEY PARA LA INVERSIÓN POR LA INDUSTRIA PUERTORRIQUEÑA" Y CON LA LEY NÚM 319 DE 15 DE MAYO DE 1938, SEGÚN ENMENDADA; LEY NÚM. 96 DE 6 DE JULIO DE 1978, SEGÚN ENMENDADA. RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MI, MIS AGENTES O EMPLEADOS O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE.

Seal:

Revisions:

Number	Date	Description

Project Title:
DE DIEGO STREET & "PASEO" REHABILITATION

SAN JUAN, PUERTO RICO

Client: MUNICIPIO AUTONOMO DE SAN JUAN

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ABREVIATIONS:

@	=	ACOUSTIC CEILING TILE	K.D.	=	KILN DRIED / KNOCK DOWN
A/C	=	AIR CONDITIONING	L.	=	LENGTH
A.C.T.	=	ACOUSTIC CEILING TILE	LAB.	=	LABORATORY
A.D.A.	=	AMERICAN WITH DISABILITIES ACT	LAU.	=	LAUNDRY
A.F.F.	=	ABOVE FINISHED FLOOR	LAV.	=	LAVATORY
A.H.U.	=	AIR HANDLING UNIT	L.H.	=	LEFT HAND
ALUM.	=	ALUMINUM	MAX.	=	MAXIMUM
AMT. / AMNT.	=	AMOUNT	M.C.	=	MEDICINE CABINET
ANOD.	=	ANODIZED	MKD.	=	MARKED
APPROX.	=	APPROXIMATELY / APPROXIMATE	MECH.	=	MECHANICAL / MECHANISM
A.T.C.	=	ACOUSTICAL TILE CEILING	MEMB.	=	MEMBRANE
BLDG.	=	BUILDING	MFR.	=	MANUFACTURER
B.M.	=	BENCH MARK	MIN.	=	MINIMUM
B.O.S.	=	BOTTOM OF SLAB	MIR.	=	MIRROR
CEM.	=	CEMENT	M.O.	=	MASONRY OPENING
C.C.	=	CENTER TO CENTER	MTD.	=	MOUNTED
C.I.	=	CAST IRON	MTL.	=	METAL
C.L.	=	CENTER LINE	N/A	=	NOT APPLICABLE
CLR.	=	CLEAR	N.C.	=	NON-CORROSIVE
C.M.U.	=	CONCRETE MASONRY UNIT	N.I.C.	=	NOT IN CONTRACT
C.O.	=	CLEAN OUT	N.T.S.	=	NOT TO SCALE
COL.	=	COLUMN	O.C.	=	ON CENTER
CONC.	=	CONCRETE	O.D.	=	OUTSIDE DIAMETER
COND.	=	CONDITION / CONDITIONING	O.H.	=	OPPOSITE HAND
CONT.	=	CONTINUOUS	PART.	=	PARTITION
C.T.	=	CERAMIC TILE	P.L.	=	PROPERTY LINE
CTR.	=	CENTER	PLT.	=	PLATE
C.F.T.	=	CERAMIC FLOOR TILE	PNL.	=	PANEL
C.W.B.	=	CERAMIC WALL BASE	P.R.	=	PIPE RAIL
C.W.T.	=	CERAMIC WALL TILE	P.T.	=	PRESSURE TREATED
DEPT.	=	DEPARTMENT	PT.	=	POINT
DET.	=	DETAIL	PVC	=	POLYVINYL CHLORIDE
D.F.	=	DRINKING FOUNTAIN	Q.T.	=	QUARRY TILE
DIA.	=	DIAMETER	QTY.	=	QUANTITY
DIM.	=	DIMENSION	RAD.	=	RADIUS
DN.	=	DOWN	R.C.	=	REINFORCED CONCRETE
DR.	=	DOOR	R.D.	=	ROOF DRAIN
D.S.	=	DOWN SPOUT	RD.	=	ROUND
D.W.	=	DISH WASHER	RFD.	=	REINFORCED
DWG.	=	DRAWING	R.H.	=	RIGHT HAND
EA.	=	EACH	R.I.	=	RIGID INSULATION
E.F.	=	EACH FACE / EXHAUST FAN	R.L.	=	ROOF LEADER
EIFS	=	EXTERIOR INSULATION AND FINISH SYSTEM	RM.	=	ROOM
			R.O.	=	ROUGH OPENING
EL. / ELEV.	=	ELEVATION	SC.	=	SCALE
ELEC.	=	ELECTRICAL / ELECTRIC	SCH.	=	SCHEDULE
EQ.	=	EQUAL	S.C.P.	=	SMOOTH CEMENT PLASTER
EQPT.	=	EQUIPMENT	S.D.	=	SHOWER DRAIN
E.W.	=	EACH WAY	S.F.	=	SQUARE FOOT / FEET / FOOTAGE
EXP.	=	EXPANSION	SH.	=	SHEET
EXST.	=	EXISTING	SL.	=	SLOPE
EXT.	=	EXTERIOR	SM.	=	SMALL
F.D.	=	FLOOR DRAIN	SP.	=	SPACE
F.T.D.	=	FLOOR TRENCH DRAIN	SQ.	=	SQUARE
F.F.	=	FINISHED FLOOR / FLOOR FINISH	S.S.	=	STAINLESS STEEL
F.F.A.	=	FINISHED FLOOR ELEVATION	STD.	=	STANDARD
F.G.E.	=	FINISHED GRADE ELEVATION	STL.	=	STEEL
F.H.	=	FIRE HYDRANT	S.W.B.	=	STONE WALL BASE
F.H.C.	=	FIRE HOSE CABINET	T&G	=	TONGUE AND GROOVE
FIN.	=	FINISH / FINISHED	T.C.P.	=	TEXTURED CEMENT PLASTER
FL.	=	FLOOR	T.E.	=	TOP ELEVATION
FT.	=	FOOT / FEET	TEMP.	=	TEMPERED / TEMPERATURE
GA.	=	GAUGE	T.G.	=	TEMPERED GLASS
GALV.	=	GALVANIZED	THK.	=	THICK / THICKNESS
G.B.	=	GRAB BAR	THRES.	=	THRESHOLD
G.B.C.	=	GYPSUM BOARD CEILING	THRU.	=	THROUGH
G.B.W.	=	GYPSUM BOARD WALL	TLT. / TOIL.	=	TOILET
GL.	=	GLASS	TYP.	=	TYPICAL
GRND.	=	GROUND	UR.	=	URINAL
G.R.S.	=	GAUGE OF ROLLED STEEL	UTL.	=	UTILITY
G.W.B.	=	GYPSUM WALL BOARD	VAR.	=	VARIOUS / VARIES
G.W.T.	=	GYPSUM WALL TILE	V.B.	=	VAPOR BARRIER
GYP.	=	GYPSUM	VERT.	=	VERTICAL
H.B.	=	HOSE BIB	VEST.	=	VESTIBULE
HC. / HDCP	=	HANDICAP / HANDICAPPED	V.F.T.	=	VINYL FLOOR TILE
H.F.F.	=	HEIGHT ABOVE FINISHED FLOOR	VIN.	=	VINYL
HT.	=	HEIGHT	V.P.	=	VAPOR PROOF / VENT PIPE
HORIZ.	=	HORIZONTAL	V.W.B.	=	VINYL WALL BASE
HVAC	=	HEATING, VENTILATING, AIR COND.	V.W.C.	=	VINYL WALL COVERING
HxWxD	=	HEIGHT x WIDTH x DEPTH	W.	=	WIDE / WIDTH
HxWxL	=	HEIGHT x WIDTH x LENGTH	W/	=	WITH
I.D.	=	INSIDE DIAMETER	W/O	=	WITHOUT
I.G.	=	INSULATING GLASS	W.C.	=	WATER CLOSET / WATER COOLER
I.I.C.	=	INCLUDED IN CONTRACT	WD.	=	WOOD
IN.	=	INCH	W.H.	=	WATER HEATER / WALL HYDRANT
I.E.	=	INVERT ELEVATION	W.I.	=	WROUGHT IRON
INSUL.	=	INSULATION	WP.	=	WATERPROOF / WATERPROOFING
INT.	=	INTERIOR	W.S.	=	WASTE STACK
JAN.	=	JANITOR	W.STL.	=	WROUGHT STEEL
JST.	=	JOIST	W.W.B.	=	WOOD WALL BASE
JT.	=	JOINT	W.W.M.	=	WELDED WIRE MESH

GENERAL NOTES:

1. ONCE WORK IS COMPLETED IN ANY GIVEN AREA, CLEAN, PATCH, AND REFINISH (TO OWNER'S AND ARCHITECT'S SATISFACTION) ALL SURFACES TO SUCH EXTENT AS TO LEAVE NO OBVIOUS DISTINCTION BETWEEN THE AREA INTERVENED AND ADJACENT OR CONTIGUOUS SURFACES.

2. CONTRACTOR SHALL VERIFY ALL PROPOSED AND EXISTING DIMENSIONS AND ELEVATIONS IN FIELD. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD. NOTIFY THE ARCHITECT IMMEDIATELY BEFORE PROCEEDING WITH RELEVANT ASPECTS OF THE WORK, OF ANY LAYOUT CONDITTION THAT IS NOT CONSISTENT WITH THE DRAWINGS OR THAT WILL IMPAIR LAYOUTS OR INSTALLATION OF FINISHES, FURNITURE AND/OR EQUIPMENTS.

3. ALL INTERVENED AREAS AND SURFACES MUST EXHIBIT IMPROVEMENT FROM ORIGINAL STATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING SAID IMPROVEMENTS.

4. THE INTERIOR AND EXTERIOR PAINT TO BE USED SHALL BE AS SPECIFIED.

5. THE CONTRACTOR SHALL SUBMIT, FOR THE ARCHITECTS REVIEW AND APPROVAL, SAMPLES AND MATERIAL SAFETY DATA SHEETS (MSDS) FOR ALL FINISHES AND PRODUCTS PRIOR TO THEIR APPLICATION/INSTALLATION.

6. ALL ADHESIVES, PAINTS & SEALERS SHALL BE NON-TOXIC, SOLVENT FREE, AND LOW IN VOLATILE ORGANIC COMPOUNDS (VOC).

7. ALL RUBBER-BASED MATERIALS SHALL BE PVC FREE & HAVE AT LEAST 20% POST CONSUMER RECYCLED CONTENT.

8. BIDDERS SHALL VERIFY ALL RELEVANT EXISTING CONDITIONS & DIMENSIONS AT THE JOB SITE FOR COMPARISON WITH DRAWINGS AND SPECIFICATIONS PRIOR TO BIDDING & START OF CONSTRUCTION. IF ANY DISCREPANCIES, INCONSISTENCIES, OR OMISSIONS ARE FOUND, THE ARCHITECT SHALL BE NOTIFIED IN WRITING FOR CLARIFICATION PRIOR TO PROCEEDING WITH WORK.FAILURE TO VISIT THE PROJECT WILL IN NO WAY RELIEVE THE SUCCESSFUL BIDDER FROM FURNISHING ALL OF THE MATERIAL AND PERFORMING ALL OF THE WORK REQUIRED FOR THE COMPLETION OF THE CONTRACT. VISITS TO THE PROJECT AREA SHALL BE ARRANGED THROUGH THE CONTRACTING OFFICER.

9. IN CASE OF CONFLICT BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.

10. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, EQUIPMENT, TRANSPORTATION AND SERVICES NECESSARY FOR THE SATISFACTORY COMPLETION OF WORK UNLESS DESIGNATED (N.I.C.) OR (O.F.O.I.). ALL EQUIPMENT, WORK AND MATERIALS SHALL COMPLY WITH ALL CURRENT AND LOCAL APPLICABLE CODES AND GOVERNING REGULATIONS, IN ADDITION TO THE CONTRACT DOCUMENTS.

11. THE CONTRACTOR SHALL PROTECT ALL FINISH WORK AND SURFACES FROM DAMAGE DURING THE COURSE OF CONSTRUCTION AND REPLACE AND/OR REPAIR ALL DAMAGED SURFACES CAUSED BY CONTRACTOR OR SUBCONTRACTOR PERSONNEL TO THE SATISFACTION OF THE OWNER AND ARCHITECT.

12. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AND SUBMITTALS FOR REVIEW WELL IN ADVANCE OF SCHEDULED WORK AS TO ALLOW FOR ADEQUATE TIME FOR REVIEW.

DEMOLITION NOTES:

1. THIS IS A PARTIAL DEMOLITION PROJECT ON WHICH PORTIONS OF BUILDING AS WELL AS CERTAIN SITE ELEMENTS, WILL BE DEMOLISHED, REMOVED, AND RECYCLED, ONLY AFTER ENVIRONMENTALLY HAZARDOUS MATERIALS ABATEMENT HAS BEEN COMPLETED AND CERTIFIED BY CONCERNED AUTHORITIES.

2. THE CONTRACTOR SHALL PROPERLY DISPOSE OF ALL NON-RECYCLABLE MATERIALS RESULTING FROM DEMOLITION WORK AT CERTIFIED LANDFILLS, ACCORDING TO MUNICIPAL, STATE, AND FEDERAL REGULATIONS. REFER TO AND COMPLY WITH HAZARDOUS MATERIALS ABATEMENT REMOVAL & DISPOSAL REQUIREMENTS.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES CAUSED TO THE PROPERTY, INCLUDING AREAS OR ELEMENTS TO REMAIN DURING DEMOLITION, RECYCLING, AND/OR THE CONSTRUCTION PHASE, IN ADDITION TO ANY DAMAGES CAUSED TO ADJACENT PROPERTIES. DAMAGED ITEMS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE AND MUST MEET OWNER'S SATISFACTION. THIS CONDITION ALSO COVERS ANY DAMAGES INFLICTED TO ADJACENT PROPERTIES OR STRUCTURES DURING REMOVAL AND DISPOSAL OF HAZARDOUS MATERIAL. DAMAGE TO SUBSTRATE SURFACES TO REMAIN DURING REMOVAL PROCEDURES SHALL BE REPAIRED TO OWNER'S SATISFACTION BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER.

4. DEMOLITION AND REMOVAL SHALL BE CONDUCTED IN A MANNER THAT ELIMINATES HAZARDS TO PERSONS, THE ENVIRONMENT, PROJECT PROPERTY, AND SURROUNDING AREAS. THE CONTRACTOR SHALL PREVENT THE RELEASE OF LEAD CONTAINING DUST AND ASBESTOS FIBERS INTO THE AIR AND SOIL. REFER TO AND COMPLY WITH HAZARDOUS MATERIALS ABATEMENT REQUIREMENTS.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY HANDLING AND TEMPORARILY STORING RECYCLED MATERIAL OBTAINED DURING DEMOLITION AND MATERIAL REMOVAL. THE CONTRACTOR SHALL PROPERLY DISPOSE OF ALL OTHER NON-RECYCLABLE MATERIAL AS REQUIRED, IN ORDER TO MAINTAIN THE PROJECT SITE AND SURROUNDING AREAS FREE OF WASTE, IN ACCORDANCE WITH MUNICIPAL, STATE AND FEDERAL REGULATIONS. FURTHERMORE, THE CONTRACTOR SHALL OBSERVE APPLICABLE HAZARDOUS MATERIALS ABATEMENT REQUIREMENTS.

6. THE CONTRACTOR SHALL KEEP FREE FROM OBSTRUCTIONS AND DEBRIS AT ALL TIMES. WASHING WITH WATER IS REQUIRED TO PREVENT DUST CONTAMINATION AND HEALTH HAZARDS TO ADJACENT AREAS.

7. IN ORDER TO PROCEED WITH THE WORK, THE CONTRACTOR MUST PROCURE, SUBMIT, AND MAINTAIN IN FULL FORCE DURING THE PROJECT'S DURATION, THE FOLLOWING DOCUMENTS AND/OR PERMITS PROVIDED BY OGPe, THE ENVIRONMENTAL QUALITY BOARD OF PUERTO RICO, THE SOLID WASTE AUTHORITY, AND THE EPA:

   a. DUST EMISSIONS CONTROL SOURCE (P.F.E.)
   b. SOLID WASTE DISPOSAL (FORM D.S.-3) OR APPLICABLE PER HAZARDOUS OR NON-HAZARDOUS MATERIALS.
   c. EPA'S NATIONAL POLLUTANTS DISCHARGE ELIMINATION SYSTEM, (NPDES) AND A STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
   d. LEAD BASED PAINT ABATEMENT PLAN.
   e. ASBESTOS CONTAINING MATERIALS ABATEMENT PLAN.
   f. ARSENIC WOOD COMPONENTS ABATEMENT PLAN.
   g. DISPOSITION AND TRANSPORTATION OF TOXIC MATERIALS.
   h. HAZARDOUS & NON-HAZARDOUS MATERIALS WASTE MANIFESTS.
   i. RECYCLING PLAN ACCORDING TO LAW 411 (OCTOBER 8, 2000)
   j. OTHER REQUIRED BY LAWS AND REGULATION.

8. UTILITIES AND OR SERVICES (CONSISTING BUT NOT LIMITED TO WATER, ELECTRICITY, GAS, CABLE TV, DATA AND TELEPHONE) CAN NOT BE SUSPENDED, WITHOUT PRIOR AUTHORIZATION OF THE PROJECT MANAGEMENT. IF ACCIDENTALLY ANY SERVICE IS INTERRUPTED DUE TO PROJECT ACTIVITIES, CONTRACTOR WILL PROVIDE IMMEDIATE REPAIR TO OWNER'S SATISFACTION.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING PHOTOGRAPHS OF EXISTING CONDITIONS BEFORE EXECUTING ANY DEMOLITION WORK. SAID PHOTOGRAPHS SHALL BE DELIVERED FOR FILING TO THE RESIDENT INSPECTOR AND SHALL BE REQUIRED IN THE EVENT OF A CLAIM.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND DISPOSITION OF GARBAGE & RECYCLING DUMPSTERS DURING DEMOLITION AND CONSTRUCTION.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TEMPORARY OR NECESSARY EQUIPMENT OR UTILITIES FOR THE PROVISION OF ELECTRICITY, POTABLE WATER, AND SANITARY SERVICES FOR CONSTRUCTION PERSONNEL AND THE CONSTRUCTION INSPECTION TEAM DURING DEMOLITION AND CONSTRUCTION. THE CONTRACTOR SHALL ALSO PROVIDE A TEMPORARY OFFICE TRAILER FOR USE BY THE CONSTRUCTION INSPECTION TEAM.

DEMOLITION HEALTH & SAFETY WORK PLAN:

A. GENERAL:

THE SCOPE OF WORK INCLUDES THE RECYCLING AND/OR PROPER DISPOSAL OF ALL MATERIAL AND EQUIPMENT REMOVED FROM THE FACILITY. ALL OF THE WORK SHALL BE PERFORMED BY A QUALIFIED CONTRACTOR. THE CONTRACTOR WILL ENSURE THE SAFETY OF ITS WORKERS, THE PUBLIC, AND THE SURROUNDING AREAS AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE ANY SAFETY FENCES AND/OR SIGNS REQUIRED. THE CONTRACTOR SHALL ENSURE THAT ALL PERSONNEL USE O.S.H.A. REQUIRED PROTECTIVE EQUIPMENT AS PER STATE AND FEDERAL REGULATIONS. FURTHERMORE, ALL WORK PERFORMED MUST FOLLOW STATE AND FEDERAL LAWS IN ACCORDANCE WITH THE WORK PLAN. E.P.A. REQUIRES WORK PLAN TO BE SUBMITTED TO EQB FOR PERMITS REQUEST AND APPROVALS. IT SHOULD BE CLEAR THAT ALL OF THE DEMOLITION WORK WILL BE CRRIED OUT ONCE HAZARDOUS MATERIALS ABATEMENT IS COMPLETED AS PER HAZARDOUS MATERIALS ABATEMENT REMOVAL & DISPOSAL REQUIREMENTS. AFTER RECEIVING THE EQB AND PUBLIC SERVICE COMMISSION APPROVALS, THE COMPLETE DEMOLITION PLAN WILL BE PRESENTED BY THE CONTRACTOR FOR THE OWNER'S AND/OR OWNER'S REPRESENTATIVE'S COMMENTS AND FINAL APPROVAL.

B. DEMOLITION SAFETY AND HEALTH PLAN:

1. THE CONTRACTOR SHALL PROVIDE A RISK FREE ENVIRONMENT FOR ALL EMPLOYEES AND PROJECT SURROUNDINGS, AND GUARANTEE THE SAFETY AND HEALTH OF ALL EMPLOYEES, SUBCONTRACTORS, AND VISITORS AT ALL TIMES.

2. THE CONTRACTOR SHALL PROVIDE A SAFETY AND HEALTH PLAN.

3. SAFETY MEASURES AND PRECAUTIONS DURING DEMOLITION / CONSTRUCTION (ALL O.S.H.A. AND E.P.A. UPDATED COMPLIANCE IS UNDER EFFECT).

   a. GENERAL WORK RELATED TO THE DEMOLITION OR ALTERATION OF A BUILDING, STRUCTURE, OR INTERIOR SPACE MUST BE UNDERTAKEN IN CONFORMITY WITH THE SAFETY PLAN.
   b. THE CONTRACTOR SHALL PERFORM WEEKLY SAFETY TOURS AND MEETINGS IN ORDER TO TRAIN PERSONNEL AND DISCUSS BEST PRACTICES AND SAFETY MEASURES TO BE IMPLEMENTED THROUGHOUT THE PROJECT.
   c. THE CONTRACTOR WILL PERFORM CONTINUOUS JOB SITE INSPECTIONS IN ORDER TO IDENTIFY ANY POTENTIAL SAFETY HAZARDS.
   d. IF A POTENTIAL HAZARD IS SUSPECTED OR FOUND, THE CONTRACTOR, WILL USE THE APPROPRIATE METHODS, EQUIPMENT, DEVICES, AND/OR MATERIALS TO ASSURE A SAFE WORKPLACE AND TO MAINTAIN A SAFE AND ACCIDENT-FREE JOB SITE.
   e. THE CONTRACTOR SHALL PROVIDE TRAINED AND EXPERIENCED PERSONNEL TO ENSURE THAT ALL WORK IS PROPERLY EXECUTED AND SAFE. THE CONTRACTOR SHALL DESIGNATE A HEALTH & SAFETY COORDINATOR.
   f. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FIRE PROTECTION IN THE WORKPLACE:

      - NO BUILDING WILL BE USED FOR THE STORAGE OF COMBUSTIBLE MATERIAL UNLESS IT IS FIRE PROOF.
      - THE CONTRACTOR SHALL PROVIDE FIRE EXTINGUISHERS FOR THE ENTIRE DEMOLITION / CONSTRUCTION SITE.
      - ALL HEAVY EQUIPMENT, WELDING MACHINES, OR CUTTING EQUIPMENT SHOULD HAVE ITS OWN FIRE EXTINGUISHER OR HAVE ONE AVAILABLE WITHIN A 100 FEET RADIUS.
      - DURING THE DEMOLITION / CONSTRUCTION PERIOD, FREE ACCESS TO FIRE HYDRANTS OR OTHER FIRE EXTINGUISHING EQUIPMENT WILL BE MAINTAINED AT ALL TIMES.

   g. CLOTHING:

      - PERSONNEL FROM THE CONTRACTOR WILL BE REQUIRED TO DRESS PROPERLY WHILE PERFORMING THEIR JOB.
      - EACH WORKER WILL USE APPROPRIATE WORKING SAFETY SHOES.
      - PROPER RESPIRATORY PROTECTION WILL BE USED WHENEVER REQUIRED.
      - PROPER HAND PROTECTION WILL BE USED WHEN REQUIRED.
      - PROPER HEARING PROTECTION WILL BE USED IN AREAS WHERE SOUNDS ARE ESTIMATED TO BE LOUDER THAN 80 DBS.
      - THE USE OF SAFETY HELMETS IS MANDATORY FOR ALL PERSONNEL ENTERING THE JOB SITE.
      - ALL EMPLOYEES WILL WEAR SAFETY BELTS WHEN WORKING 10 FEET OR MORE ABOVE THE GROUND OR WHEN WORKING IN A PRECARIOUS LOCATION.
      - SAFETY BELTS WILL BE PROPERLY ANCHORED TO A FIXED STRUCTURE TO ENSURE WORKER SAFETY.
      - SAFETY GLASSES WITH SIDE SHIELDS WILL BE USED WHENEVER EXPOSED TO FREE PARTICLES OR DUST.

   h. WELDING AND CUTTING:

      - PROPER RESPIRATORY PROTECTION WILL BE USED WHENEVER REQUIRED.
      - WHEREVER AND WHENEVER GAS WELDING OR CUTTING IS TO BE PERFORMED ABOVE OR WITHIN A RADIUS OF TEN FEET OF COMBUSTIBLE MATERIAL, IN A PLACE WHERE OTHER WORK IS UNDERWAY, OR IN A LOCATION WHERE PEOPLE ARE LIKELY TO CROSS; A NON COMBUSTIBLE SHIELD MUST BE INSTALLED TO PROTECT SUCH MATERIALS OR PERSONS AGAINST SPARKS AND/OR HOT METAL.

   i. GAS AND FUEL DEPOSITS:

      - FUEL GAS DEPOSITS WILL NOT BE MOVED FROM ONE PLACE TO ANOTHER, NOR WILL THEY BE STORED UNLESS THE CAPS OF SUCH DEPOSITS ARE IN PLACE.
      - SUITABLE CRADLES WILL BE USED FOR LIFTING OR LOWERING OXYGEN OR FUEL TANKS IN ORDER TO MINIMIZE RISKS.
      - ORDINARY ROPE SLINGS WILL NOT BE USED.
      - TANKS SUPPLYING GAS FOR WELDING OR CUTTING WILL BE LOCATED AT NO GREATER DISTANCE FROM THE WORK AREA THAN NECESSARY FOR SAFETY: SAID TANKS WILL BE SECURELY FASTENED IN PLACE AND KEPT IN AN UPRIGHT POSITION.
      - CLOSED SPACES WILL BE VENTILATED PROPERLY WHILE WELDING OR CUTTING IS UNDERWAY.

   j. SIGNS, SIGNALS, BARRICADES:GAS AND FUEL DEPOSITS:

      - SIGNS, SIGNALS, AND BARRICADES WILL BE VISIBLE AT ALL TIMES WHERE A HAZARD EXITS, IN ORDER TO LIMIT ACCESS TO WORK AREAS AND MAINTAIN A SAFE JOB SITE. EFFECTIVE BARRICADES, WITH HIGHLY VISIBLE WARKING SIGNS, SHALL BE USED TO PROTECT ALL PEOPLE, STREETS, ROADS, HIGHWAYS, AND OTHER PUBLIC THOROUGHFARES, WHICH ARE TO BE CLOSED TO TRAFFIC,

   k. HAND & POWER TOOLS:

      - ALL HAND AND POWER TOOLS WHETHER FURNISHED BY THE CONTRACTOR OR BY ITS EMPLOYEES, WILL BE MAINTAINED IN SAFE CONDITION. NO ELECTRIC CORDS WILL BE RUN OVER GROUND OR FLOORS. PROPER HANGERS WILL BE REQUIRED.
      - THE CONTRACTOR WILL NOT PERMIT THE USE OF UNSAFE HAND OR POWER TOOLS.
      - ELECTRICAL POWER TOOLS WILL BE GROUNDED OR DOUBLE INSULATED.
      - PNEUMATIC POWER TOOLS WILL BE SECURED TO HOSE OR WHIP BY SOME POSITIVE MEANS.
      - ONLY PROPERLY TRAINED OR EXPERIENCE EMPLOYEES WILL OPERATE POWER-ACTUATED TOOLS.

   l. COMPRESSED GAS CYLINDERS:

      - COMPRESSED GAS CYLINDERS WILL BE SECURED IN AN UPRIGHT POSITION AT ALL TIMES.
      - WHEN TRANSPORTING, MOVING, OR STORING CYLINDERS, VALVE PROTECTION CAPS WILL BE IN PLACE AND SECURED.
      - CYLINDERS WILL BE KEPT AWAY FROM SPARKS, HOT SLAG AND FLAMES, OR BE ADEQUATELY PROTECTED.
      - CYLINDERS WILL NOT BE PLACED WHERE THEY CAN BE DAMAGED OR IN THE WAY OF AN ELECTRIC CIRCUIT.
      - CYLINDERS WILL BE LABELED AS REQUIRED TO INDICATE THEIR CONTENTS.

   m. SCAFFOLDS:

      - SCAFFOLDS WILL BE USED IN PRECARIOUS SITUATIONS AND WHEN WORKING ABOVE 10 FEET FROM THE GROUND.
      - PROPER ANCHORAGE WILL BE USED TO MAINTAIN THE SCAFFOLD AND ENSURE WORKER SAFETY.
      - WORKERS WILL USE THE APPROPRIATE SAFETY BELTS WHEN WORKING ON SCAFFOLDS.
      - MOBILE SCAFFOLD CASTERS WILL BE SECURED AND LOCKED PRIOR TO MOUNTING.
      - NO PERSONNEL SHALL BE ON A MOBILE SCAFFOLD WHEN IT IS BEING RELOCATED.

   n. CRANES AND DERRICKS:

      - ALL CRANES AND DERRICKS WILL BE CERTIFIED AS BEING IN SAFE OPERATING CONDITION PRIOR TO THEIR USE ON THE JOB SITE.
      - CRANE OR DERRICKS WILL HAVE PROPER SAFETY EQUIPMENT AND CERTIFICATIONS.
      - TRAINED AND QUALIFIED OPERATORS WILL BE DESIGNATED ACCORDING TO THEIR EXPERIENCE WITH THE SPECIFIC MAKE AND MODEL OF THE MACHINERY.
      - THE MANUFACTURE'S OPERATION MANUAL SHALL BE KEPT WITHIN THE CRANE WHILE ON SITE.

   o. LADDERS:

      - THE USE OF LADDERS WITH BROKEN OR MISSING RUNGS OR STEPS, BROKEN OR SPLIT RAILS, OR OTHER DEFECTIVE CONSTRUCTION IS PROHIBITED.
      - LADDERS WILL EXTEND NO LESS THAN 36 INCHES ABOVE LANDINGS AND MUST BE SECURED TO PREVENT DISPLACEMENT.
      - PORTABLE LADDERS WILL BE EQUIPPED WITH SAFETY SHOES.
      - WOODEN LADDERS WILL NOT BE PAINTED.

   p. EQUIPMENT AND MOTOR VEHICLES:

      - ALL EQUIPMENT WILL BE INSPECTED DAILY BEFORE USE.
      - DEFECTIVE EQUIPMENT WILL BE REPAIRED OR REMOVED FOR PROPER SERVICE.

3. MINIMUM FIRST AID AND MEDICAL PROCEDURES:

   a. FIRST AID (MINOR CUTS, SCRATCHES, BRUISES, ETC.)

      - EACH OCCUPATIONAL ILLNESS OR INJURY WILL BE REPORTED IMMEDIATELY BY THE EMPLOYEE TO THE FOREMAN.
      - ALL PERSONAL INJURIES AND ILLNESSES (JOB RELATED) TREATED OR REPORTED (ACTUAL OR ALLEGED) WILL BE RECORDED ON DAILY FIRST AID LOG.
      - A TRAINED FIRST AID ATTENDANT WILL TREAT THE INJURED EMPLOYEE AS OFTEN AS NECESSARY TO ENSURE RECOVERY, OR TO RECOMMEND ADDITIONAL MEDICAL TREATMENT.

   b. MEDICAL CASES (NOT REQUIRING AMBULANCE SERVICE)

      - MEDICAL CASES NORMALLY NOT REQUIRING AMBULANCE SERVICES ARE INJURIES SUCH AS MINOR LACERATIONS, MINOR EMBEDDED FOREIGN BODIES, MINOR SPRAINS, ETC.
      - THE CONTRACTOR WILL PROVIDE PROPER EQUIPMENT FOR PROMPT TRANSPORTATION OF THE INJURED PERSON TO THE NEAREST HOSPITAL FACILITY. A MAP OF THE NEAREST MEDICAL ASSISTANCE FACILITY AND AMBULANCE SERVICE PHONE NUMBERS WILL BE PRESENTED AND POSTED AT ALL TIMES IN THE CONTRACTOR'S OFFICE.

   c. EMERGENCY CASES REQUIRING AMBULANCE SERVICES:

      - IN CASE OF A SEVERE HEAD INJURY, AMPUTATION, HEART ATTACK, ETC., CALL 911 AND HAVE THE PHONE NUMBERS OF AT LEAST 2 AMBULANCE SERVICES READY.
      - WHEN AMBULANCE SERVICES ARE NECESSARY, THE FOLLOWING PROCEDURES WILL BE TAKEN IMMEDIATELY:
        - CALL 911 TO ASK FOR ASSISTANCE
        - CONTACT EMPLOYEE TRAINED IN FIRST AID
        - WHILE FIRST AID IS BEING ADMINISTERED, MAKE SURE THE AMBULANCE AND PARAMEDICS ARE ON THE WAY
        - AFTER PARAMEDICS HAVE STABILIZED THE INJURED, ONE DESIGNATED REPRESENTATIVE WILL ACCOMPANY THE INJURED EMPLOYEE IN THE AMBULANCE TO THE MEDICAL FACILITY AND REMAIN AT THE FACILITY UNTIL FINAL DIAGNOSIS AND OTHER RELEVANT INFORMATION IS OBTAINED
        - NOTIFY CONTACT PERSON OR FAMILY MEMBER OF INJURED INDIVIDUAL.

SYMBOLS:

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YO, CARLOS I. BAEZ COTEL, LIC. 17371, 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 O CORPORACIONES PÚBLICAS CON JURISDICCIÓN. CERTIFICO, ADEMÁS, QUE EN LA PREPARACIÓN DE ESTOS PLANOS Y ESPECIFICACIONES SE HA CUMPLIDO CABALMENTE CON LOS DISPUESTO EN LA "LEY NÚM.14 DE 8 DE ENERO DE 2004, SEG

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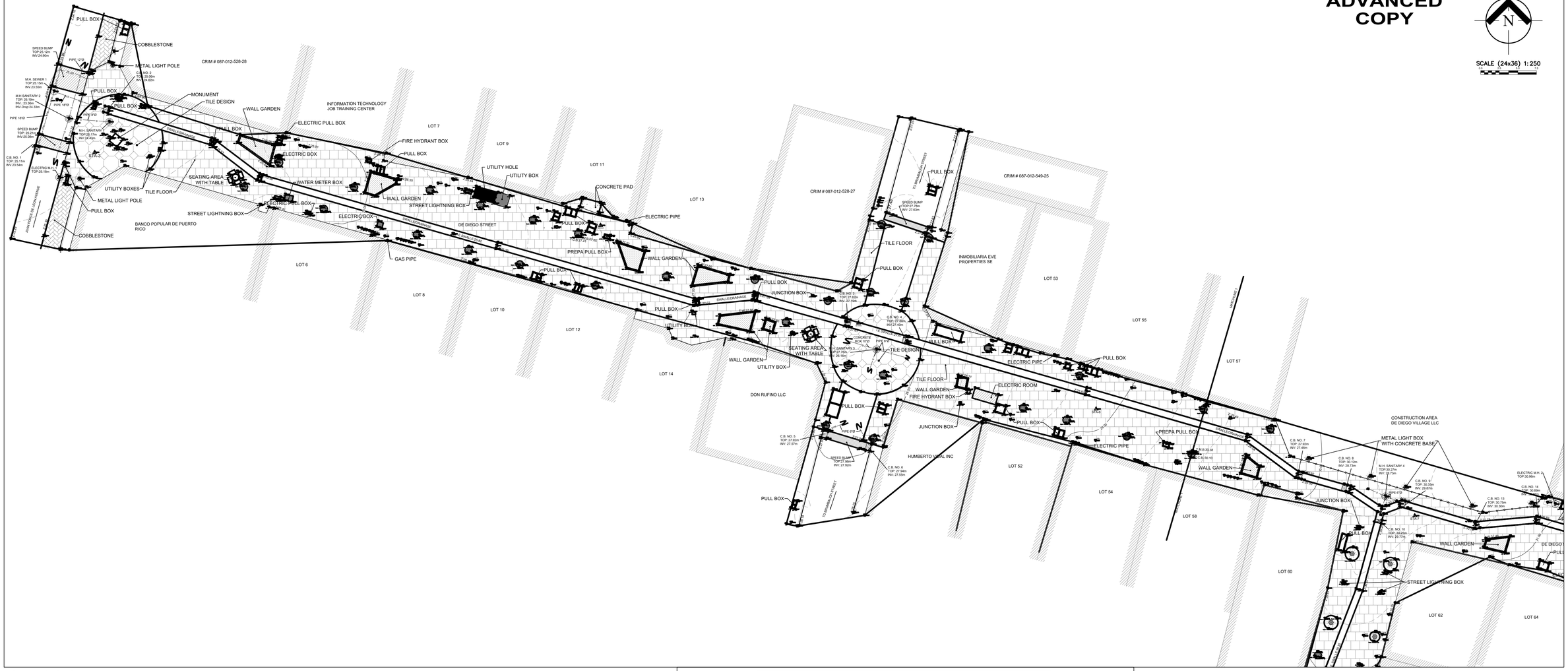

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PREPARED BY:

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TEL. / FAX (787) 746-5039

CLIENT NAME:

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PROJECT:

AS BUILT PASEO DE DIEGO
LOCATED AT
DE DIEGO STREET, PUEBLO WARD
SAN JUAN, PUERTO RICO

PROFESSIONAL STAMP

SIGNATURE BLOCK

REVISIONS:

Drawn by:	Revised by:
B.FELICIANO	F.SANTIAGO
Date: AUG/28/2023	Scale: AS SHOWN

DWG. NO. 1

SHEET NO. 2 / 6 TOTAL SHEETS

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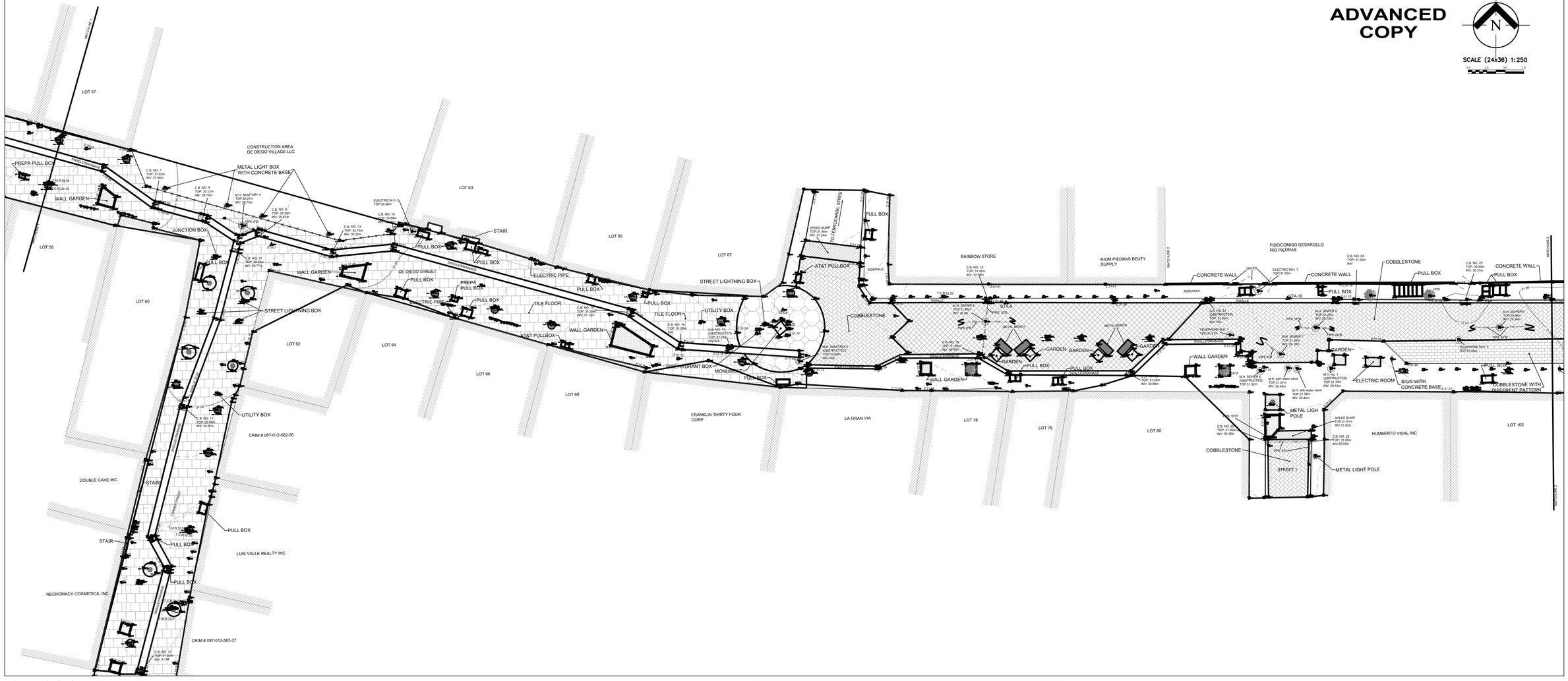

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PREPARED BY:

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TEL. / FAX (787) 746-5039

CLIENT NAME:

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LOCATED AT
DE DIEGO STREET, PUEBLO WARD
SAN JUAN, PUERTO RICO

PROFESSIONAL STAMP

SIGNATURE BLOCK

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Date: AUG/28/2023	Scale: AS SHOWN

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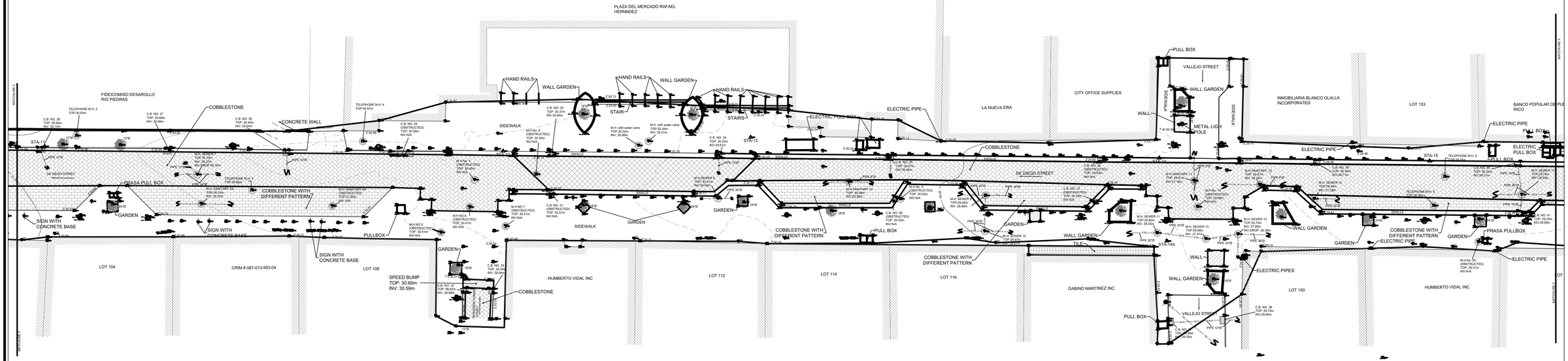

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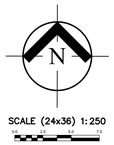

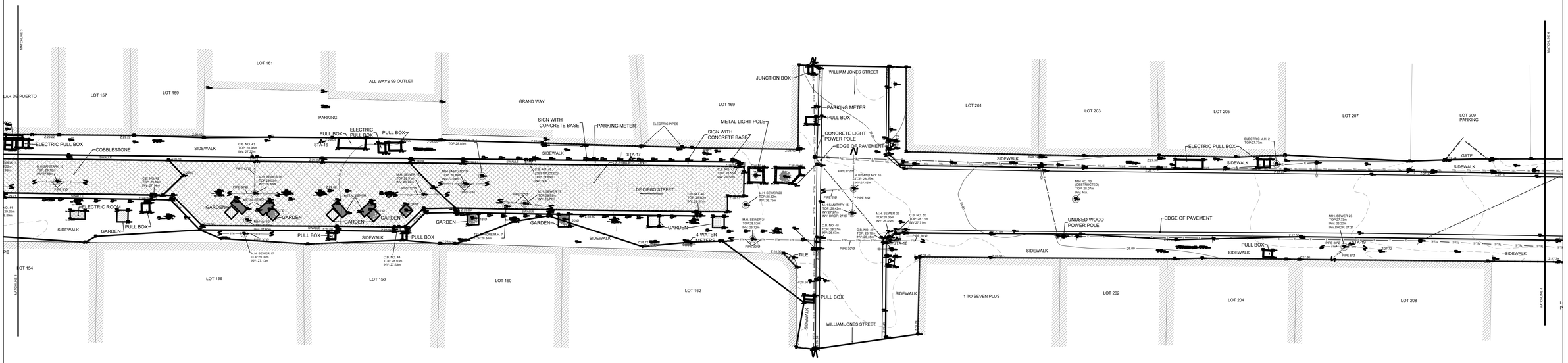

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- BOLLARD
- TRASH CAN
- WOODEN POWER POLE
- CONCRETE LIGHT POLE
- Z:140.16 SPOT ELEVATION
- FIRE HYDRANT
- GUY CABLE
- EXISTING TREE
- EXISTING PALM TREE
- CATCH BASINS
- INLET
- CONCRETE GUTTER
- CENTER LINE
- WATER LINE
- STORM SEWER LINE
- TELEPHONE LINE
- POWER LINE
- CHAIN LINK FENCE
- CHAIN LINK FENCE WITH CONC. BASE
- SIGN
- SANITARY CLEAN OUT
- FLOOR LIGHT
- METAL LIGHT POLE WITH CONCRETE BASE
- T.W:140.16 TOP WALL
- T.C.B:140.16 TOP CONCRETE BASE
- T.M.B:140.16 TOP METAL BASE

PREPARED BY:

Z:\2022\fss cambio azul .jpg

PO BOX 2075, AIBONITO, P.R., 00705
TEL. / FAX (787) 746-5039

CLIENT NAME:

Z:\2023\INTEGRA\INTEGRA.jpg

PROJECT:

AS BUILT PASEO DE DIEGO
LOCATED AT
DE DIEGO STREET, PUEBLO WARD
SAN JUAN, PUERTO RICO

PROFESSIONAL STAMP

SIGNATURE BLOCK

REVISIONS:

Drawn by:	Reviewed by:
B.FELICIANO	F.SANTIAGO
Date:	Scale:
AUG/28/2023	AS SHOWN

DWG. NO. 1

SHEET NO. 5

TOTAL SHEETS 6

ADVANCED COPY

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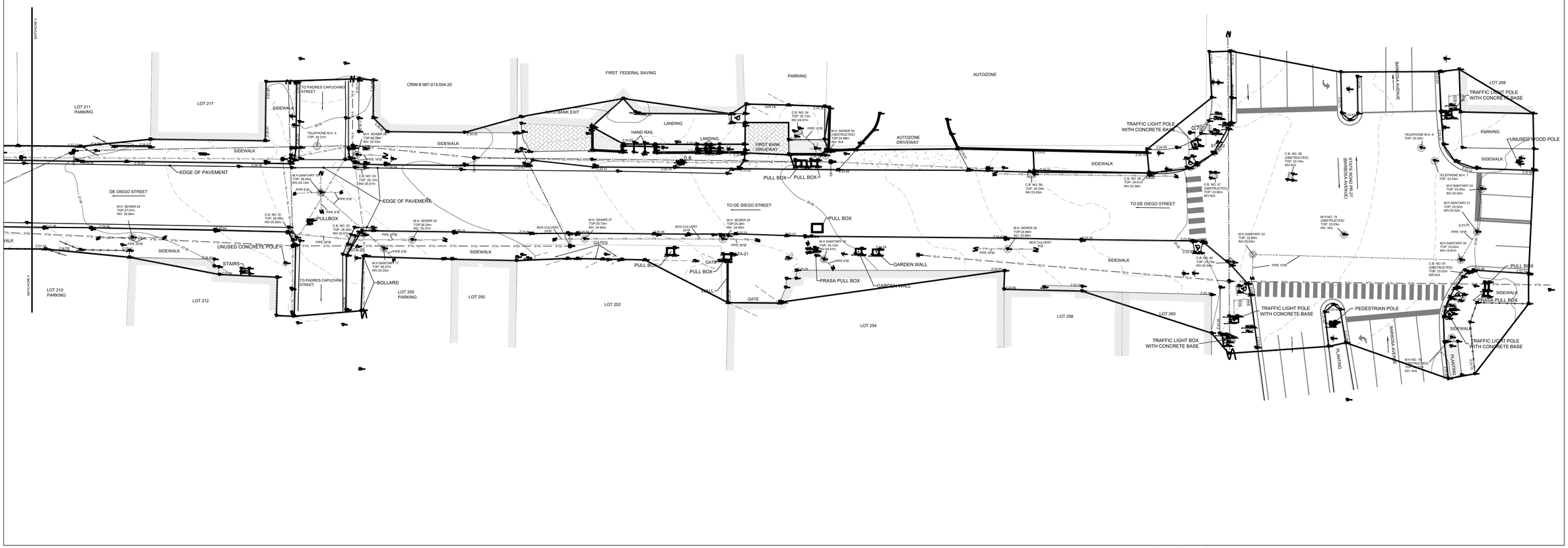

SURVEYORS NOTE:

1.The horizontal control used on this plan are P.R. Lambert NAD 83 rev.2011 epoch 2010:0000 and elev. are referred to orthometric height (Geoid 18).

2. All horizontal measurements are in meters unless otherwise specified.

3. Lambert system was established by gps observations using trimble double frequency receivers using a VRS system provided by HLCM Group.

4.The information depicted on this plan represents the results of the survey performed on the date indicated.

5. The information provided on this plan show all currently existing structures, properties and utilities above or below the ground as revealed by public records or observable evidence over ground inspection.

6. As stated in the manual for the professional practice and guidelines for the compensation of professional services, published by the ciapr, in the sections 6.2.4.2, 7.2.1, 7.2.2 , 7.2.4, it is the client, owner, or authorized representative responsibility to corroborate the names of the affected property owners by performing a title search.

7. f expert occupation in a court of justice is necessary, such work will be billed according the latest revision of exhibits 17 of the manual for professional practice and guidelines for the compensations of professional service published by the CIAPR.

8. The field work was performed in August 10, 2023.

CONTROL POINT

Point	Northing	Easting	Elevation	Description
1	262545.346	240224.862	27.66	GUN NAIL
1B	262545.380	240224.869	27.68	GUN NAIL
2	262578.987	240231.707	27.00	GUN NAIL
3	262654.516	240252.808	25.26	GUN NAIL
4	262644.690	240320.863	26.77	GUN NAIL
5	262631.562	240355.566	27.69	GUN NAIL
6	262619.994	240387.528	28.95	GUN NAIL
7	262605.631	240430.394	30.45	GUN NAIL
7A	262585.168	240418.460	30.94	GUN NAIL
8	262596.167	240499.131	31.74	GUN NAIL
9	262596.824	240529.183	31.44	GUN NAIL
10	262597.060	240567.079	31.19	GUN NAIL
11	262596.630	240606.347	30.96	GUN NAIL
12	262595.994	240668.593	30.44	GUN NAIL
13	262597.864	240702.197	30.23	GUN NAIL
14	262595.054	240757.687	29.74	GUN NAIL
14A	262583.790	240758.700	29.81	GUN NAIL
15	262594.642	240794.376	29.36	GUN NAIL
16	262596.254	240852.372	29.06	GUN NAIL
17	262593.956	240894.175	28.74	GUN NAIL
18	262583.087	240930.016	28.36	GUN NAIL
19	262582.388	240991.145	27.73	GUN NAIL
20	262580.331	241061.185	26.41	GUN NAIL
21	262579.200	241111.717	25.39	GUN NAIL
22	262594.357	241176.896	23.94	GUN NAIL

LEGEND:

- CONTROL STATION
- PROPERTY POINT
- WATER MANHOLE
- TELEPHONE MANHOLE
- WATER METER
- WATER VALVE
- AIRVENT
- PREPA METER
- GAS VALVE
- CONCRETE POWER POLE
- UTILITY POLE
- TELEPHONE POLE
- ELECTRIC BOX
- GASE LINE
- METAL FENCE
- TELEPHONE/ELECTRIC
- PROPERTY LINE
- EXISTING STRUCTURES
- CABLE TV BOX
- TRAFFIC LIGHT BOX
- BOLLARD
- TRASH CAN
- WOODEN POWER POLE
- CONCRETE LIGHT POLE
- SPOT ELEVATION
- FIRE HYDRANT
- GUY CABLE
- EXISTING TREE
- EXISTING PALM TREE
- CATCH BASINS
- INLET
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- T.W:140.16 TOP WALL
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PREPARED BY:

Z:\2022\fss cambio azul .jpg

PO BOX 2075, AIBONITO, P.R., 00705
TEL. / FAX (787) 746-5039

CLIENT NAME:

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PROJECT:

AS BUILT PASEO DE DIEGO

LOCATED AT

DE DIEGO STREET, PUEBLO WARD
SAN JUAN, PUERTO RICO

PROFESSIONAL STAMP

SIGNATURE BLOCK

REVISIONS:

Drawn by:	Revised by:
B.FELICIANO	F.SANTIAGO
Date: AUG/28/2023	Scale: AS SHOWN

DWG. NO. 1

SHEET NO. 6 / 6 TOTAL SHEETS

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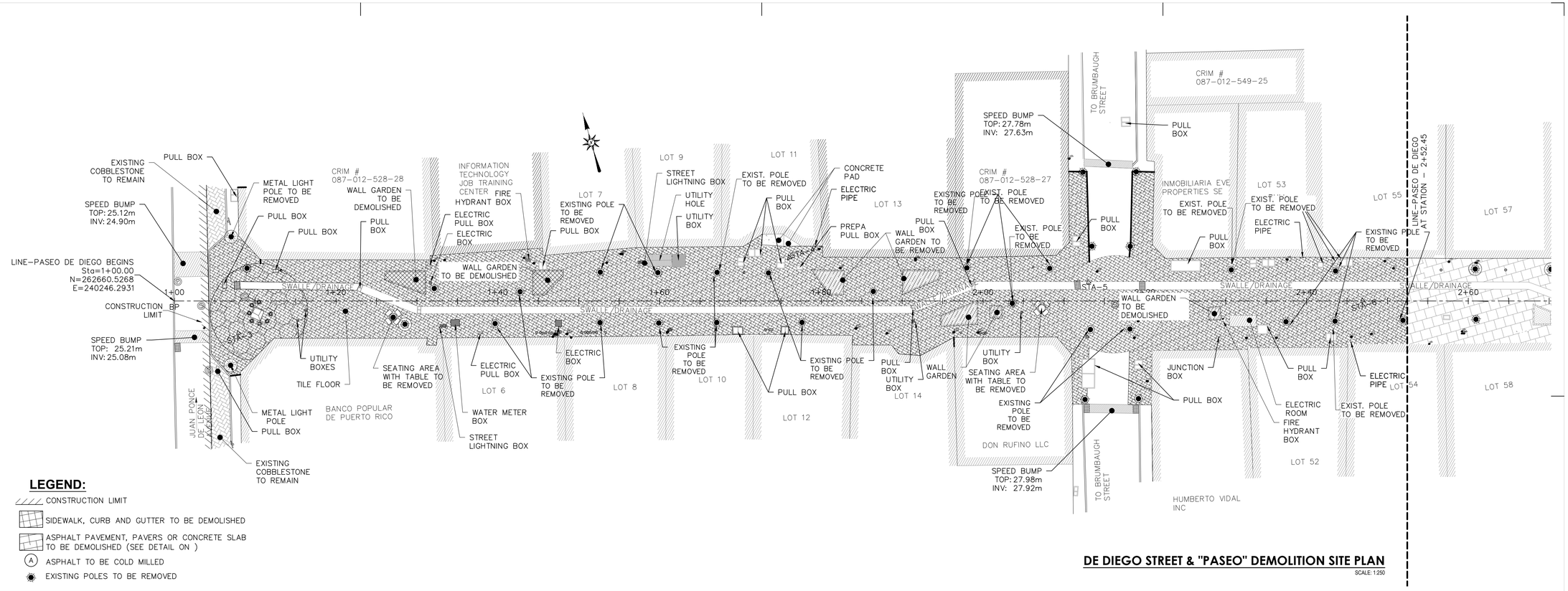
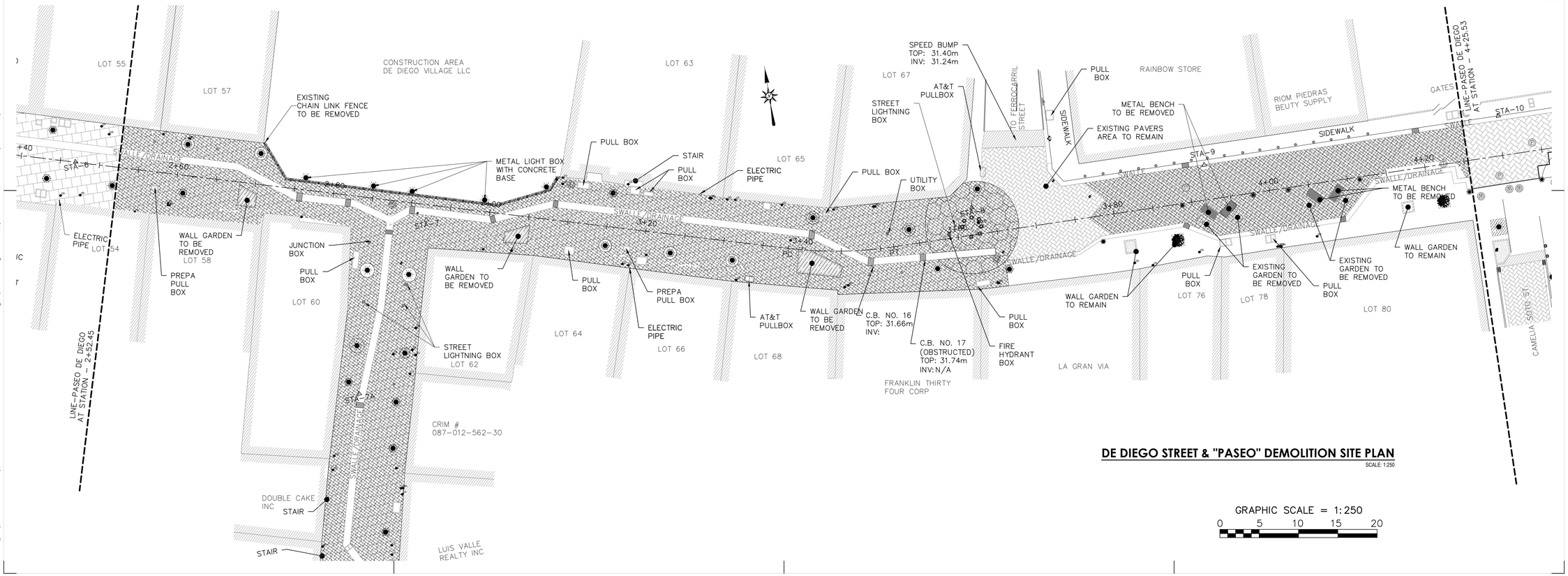


LEGEND:

- CONSTRUCTION LIMIT
- SIDEWALK, CURB AND GUTTER TO BE DEMOLISHED
- ASPHALT PAVEMENT, PAVERS OR CONCRETE SLAB TO BE DEMOLISHED (SEE DETAIL ON)
- (A) ASPHALT TO BE COLD MILLED
- EXISTING POLES TO BE REMOVED

DE DIEGO STREET & "PASEO" DEMOLITION SITE PLAN

SCALE: 1:250



DE DIEGO STREET & "PASEO" DEMOLITION SITE PLAN

SCALE: 1:250

GRAPHIC SCALE = 1:250

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Seal:

Revisions:

Number	Date	Description

Project Title:
DE DIEGO STREET & "PASEO" REHABILITATION

SAN JUAN, PUERTO RICO

Client: MUNICIPIO AUTONOMO DE SAN JUAN

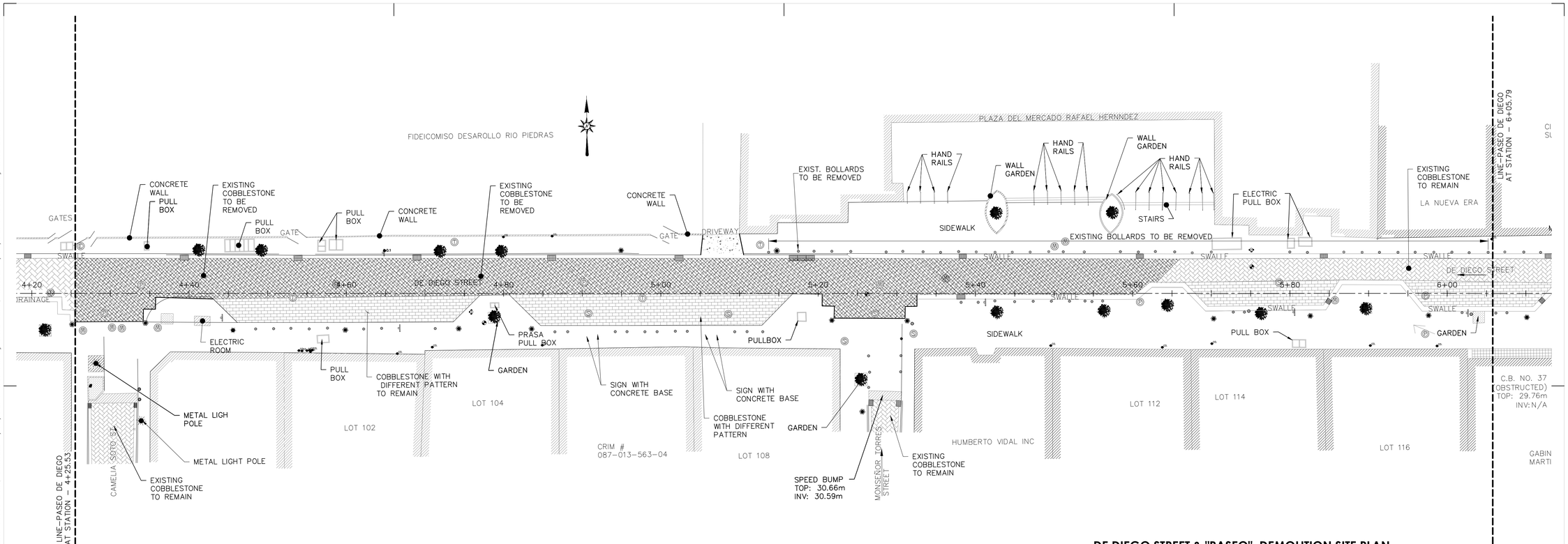
Project No.: 65-2125.0

Drawing Title:
DEMOLITION SITE PLAN

Preliminary Design 60%
▶APRIL- 26 -2024◀

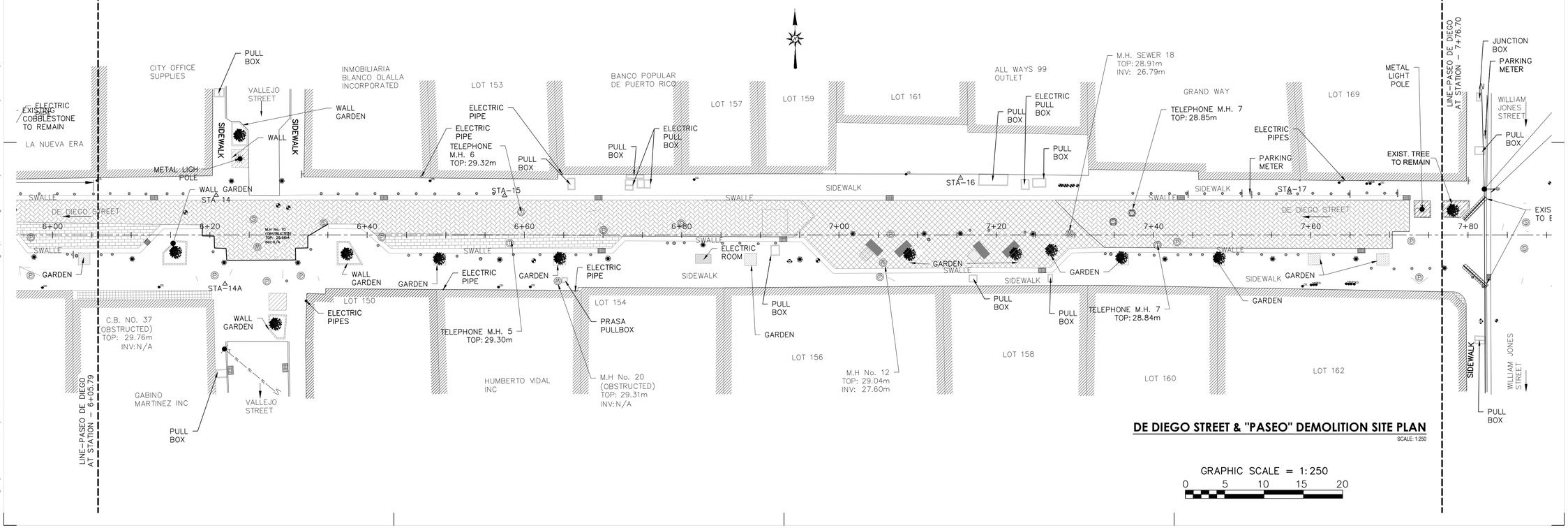
Sheet:
D101

Sheet Template ID: OPE-F-07-B



DE DIEGO STREET & "PASEO" DEMOLITION SITE PLAN

SCALE: 1:250



DE DIEGO STREET & "PASEO" DEMOLITION SITE PLAN

SCALE: 1:250

GRAPHIC SCALE = 1:250

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Seal:

Revisions:

Number	Date	Description

Project Title:
DE DIEGO STREET & "PASEO" REHABILITATION

SAN JUAN, PUERTO RICO

Client: MUNICIPIO AUTONOMO DE SAN JUAN

Project No.: 65-2125.0

Drawing Title:
DEMOLITION SITE PLAN

Preliminary Design 60%
▶APRIL- 26 -2024◀

Sheet:
D102

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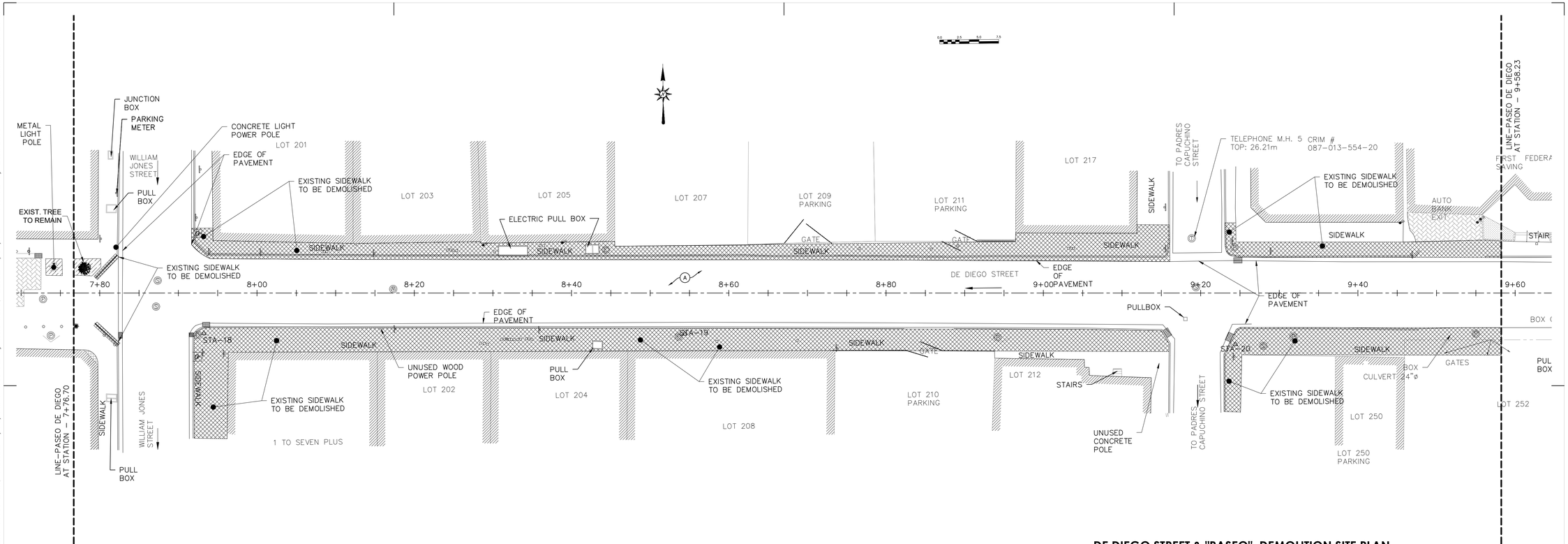

DE DIEGO STREET & "PASEO" DEMOLITION SITE PLAN

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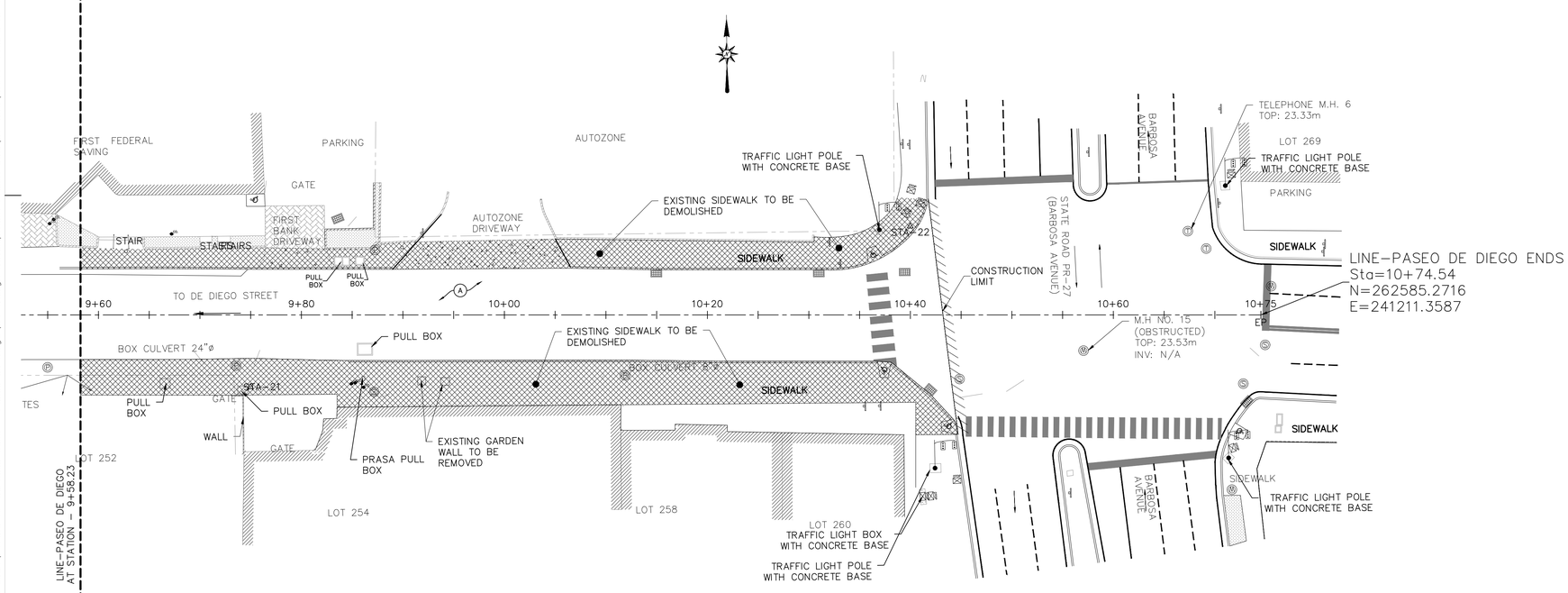

DE DIEGO STREET & "PASEO" DEMOLITION SITE PLAN

SCALE: 1:250

GRAPHIC SCALE = 1:250

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Seal:

Revisions:

Number	Date	Description

Project Title:
DE DIEGO STREET & "PASEO" REHABILITATION

SAN JUAN, PUERTO RICO

Client: MUNICIPIO AUTONOMO DE SAN JUAN

Project No.: 65-2125.0

Drawing Title:
DEMOLITION SITE PLAN

Preliminary Design 60%
▶APRIL- 26 -2024◀

Sheet:
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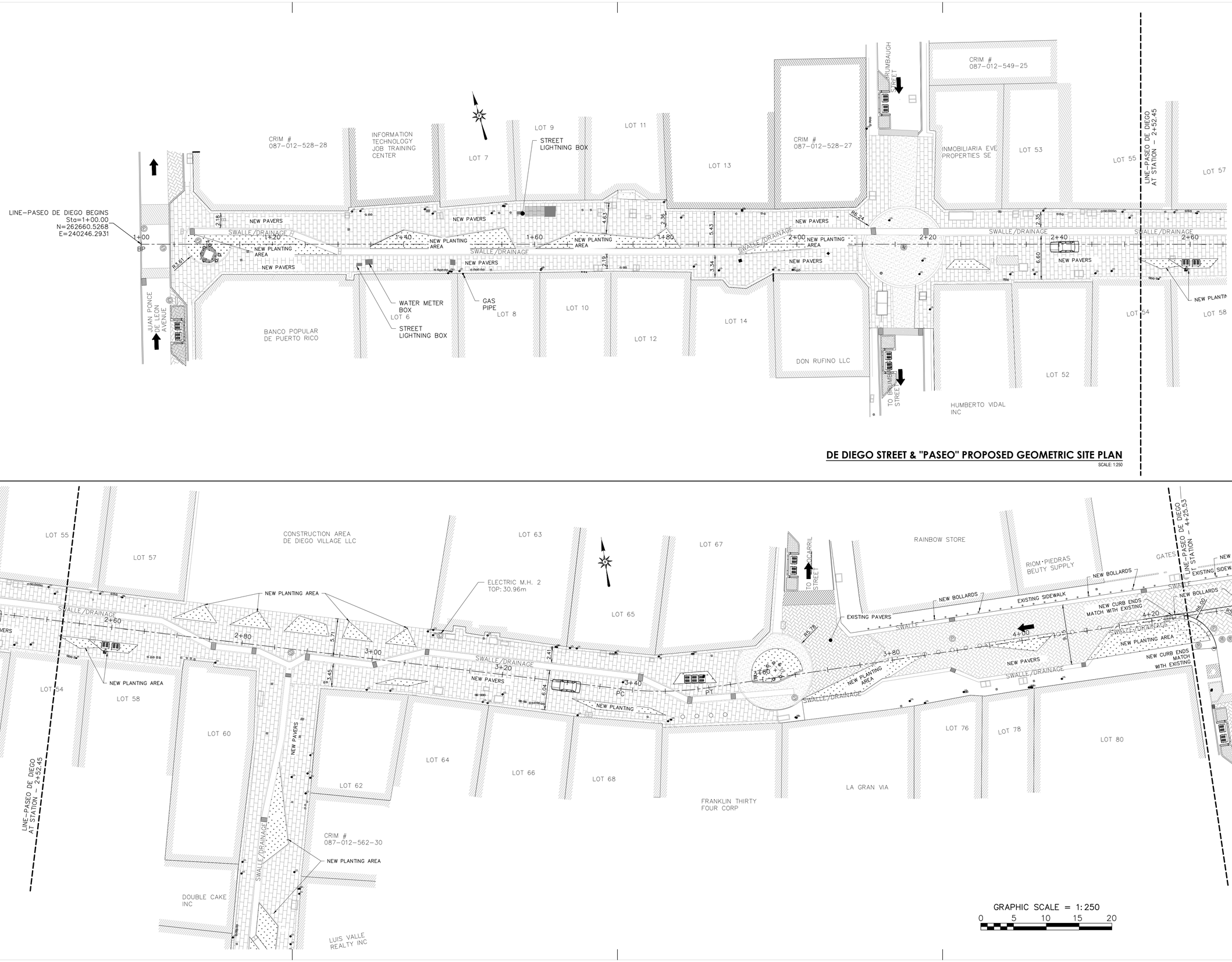

DE DIEGO STREET & "PASEO" PROPOSED GEOMETRIC SITE PLAN

SCALE: 1:250

GRAPHIC SCALE = 1:250

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Seal:

Revisions:

Number	Date	Description

Project Title:
DE DIEGO STREET & "PASEO" REHABILITATION

SAN JUAN, PUERTO RICO

Client: MUNICIPIO AUTONOMO DE SAN JUAN

Project No.: 65-2125.0

Drawing Title:
PROPOSED GEOMETRIC SITE PLAN

Preliminary Design 60%
▶APRIL- 26 -2024◀

Sheet:
C101

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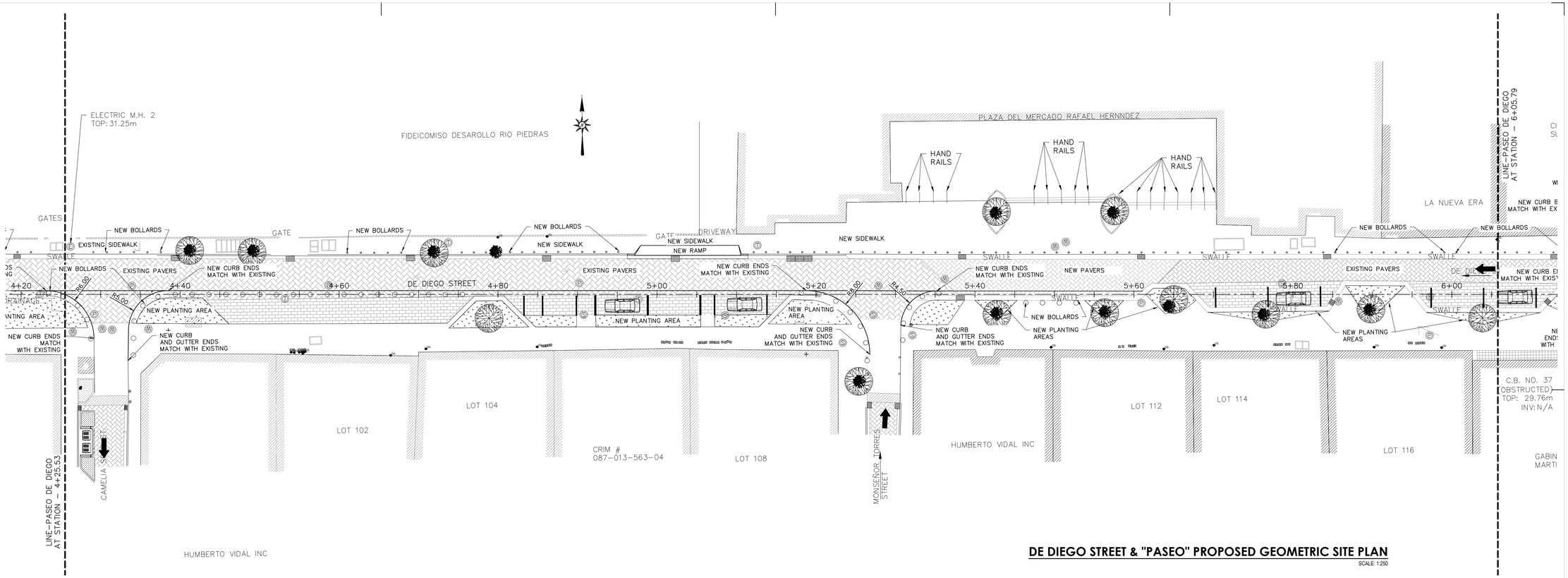
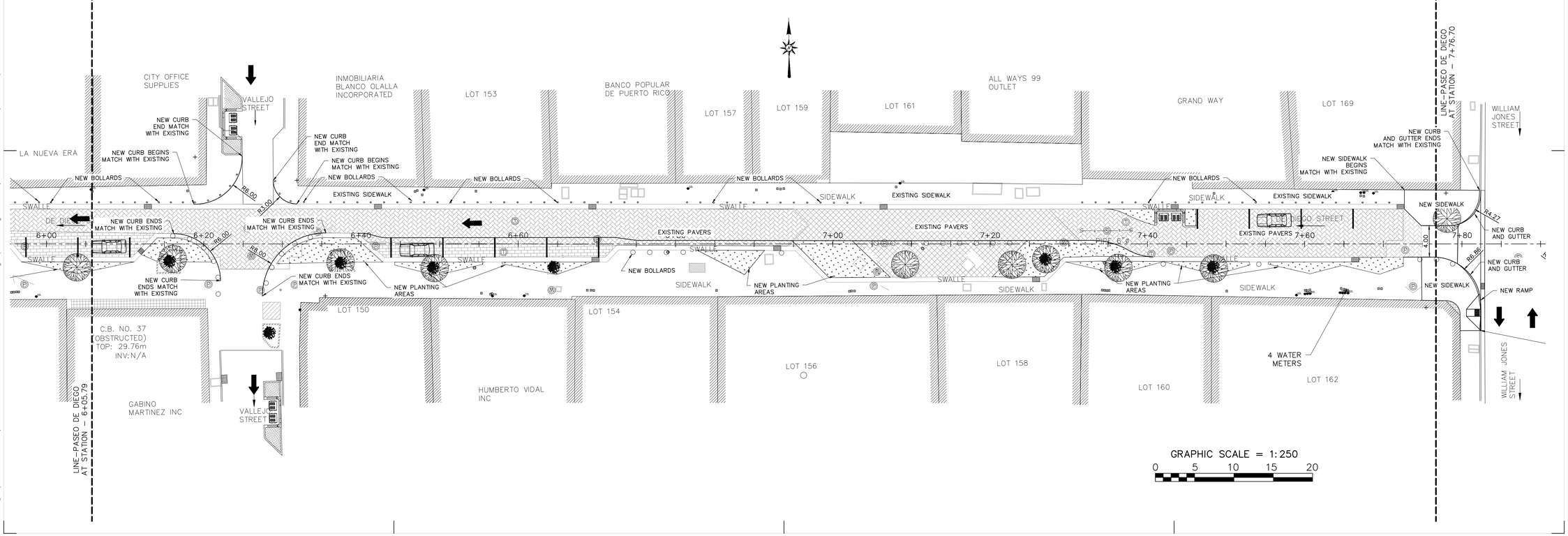


DE DIEGO STREET & "PASEO" PROPOSED GEOMETRIC SITE PLAN

SCALE: 1:250



GRAPHIC SCALE = 1:250

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Seal:

Revisions:

Number	Date	Description

Project Title:
DE DIEGO STREET & "PASEO" REHABILITATION

SAN JUAN, PUERTO RICO

Client: MUNICIPIO AUTONOMO DE SAN JUAN

Project No.: 65-2125.0

Drawing Title:
PROPOSED GEOMETRIC SITE PLAN

Preliminary Design 60%
▶APRIL- 26 -2024◀

Sheet:
C102

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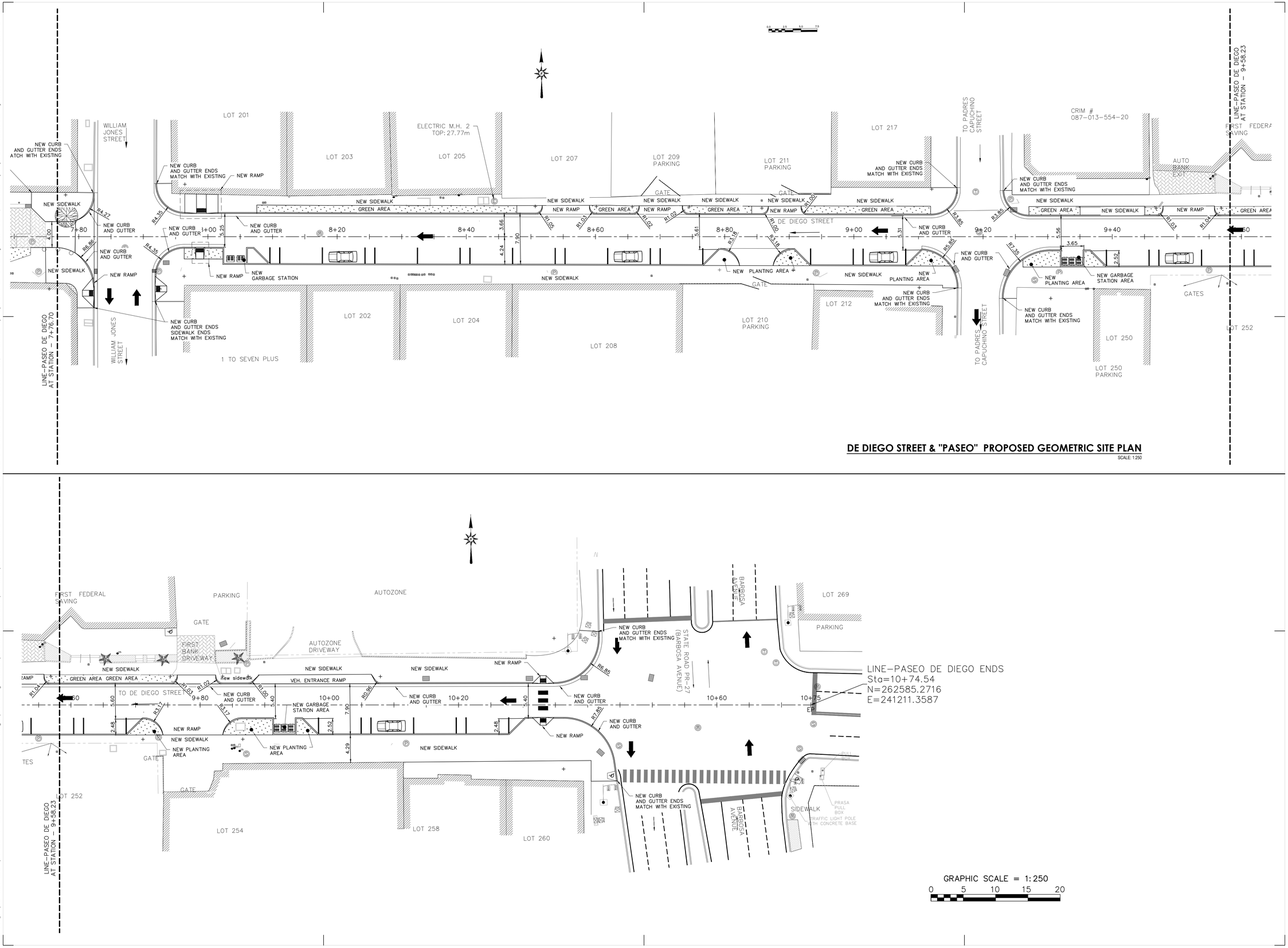

DE DIEGO STREET & "PASEO" PROPOSED GEOMETRIC SITE PLAN

SCALE: 1:250

GRAPHIC SCALE = 1:250

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YO, CARLOS ANIBAL ACEVEDO BACA, LICENCIA 17391, 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 O CORPORACIONES PÚBLICAS CON JURISDICCIÓN. CERTIFICO, ADEMÁS, QUE EN LA PREPARACIÓN DE ESTOS PLANOS Y ESPECIFICACIONES SE HA CUMPLIDO CABALMENTE CON LOS DISPUESTO EN LA "LEY NÚM.14 DE 8 DE ENERO DE 2004, SEGÚN ENMENDADA, CONOCIDA COMO LA "LEY PARA LA INVERSIÓN POR LA INDUSTRIA PUERTORRIQUEÑA" Y CON LA LEY NÚM 319 DE 15 DE MAYO DE 1938, SEGÚN ENMENDADA; LEY NÚM. 96 DE 6 DE JULIO DE 1978, SEGÚN ENMENDADA. RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MI, MIS AGENTES O EMPLEADOS O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE.

Seal:

Revisions:

Number	Date	Description

Project Title:
DE DIEGO STREET & "PASEO" REHABILITATION

SAN JUAN, PUERTO RICO

Client: MUNICIPIO AUTONOMO DE SAN JUAN

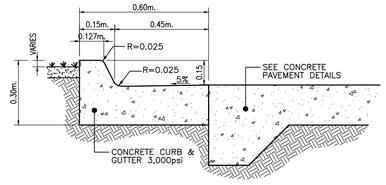
Project No.: 65-2125.0

Drawing Title:
PROPOSED GEOMETRIC SITE

Preliminary Design 60%
▶APRIL- 26 -2024◀

Sheet:
C103

Sheet Template ID: OPE-F-07-B



CURB & GUTTER
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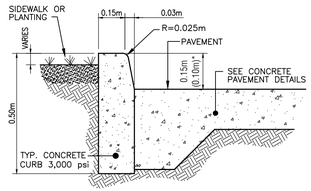
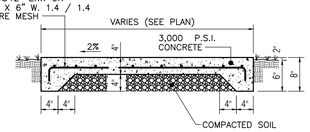


CURB DETAIL
NOT TO SCALE

NOTE:
1. INSTALL EXPANSION JOINTS BETWEEN SIDEWALK AND STRUCTURES WALLS, BETWEEN CONCRETE POURINGS AND AT EVERY 30'-0" SPACING



TYPICAL CONCRETE SLAB DETAIL
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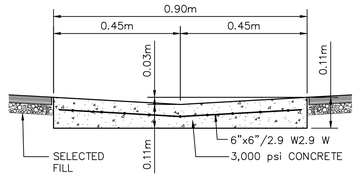

CONCRETE GUTTER DETAIL
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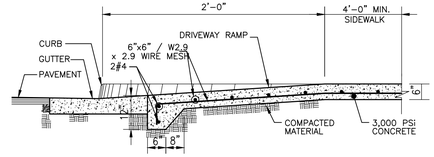

DRIVEWAY RAMP SECTION
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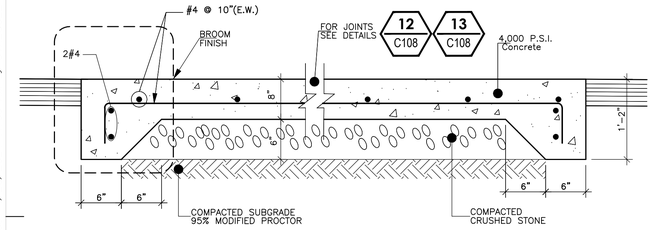
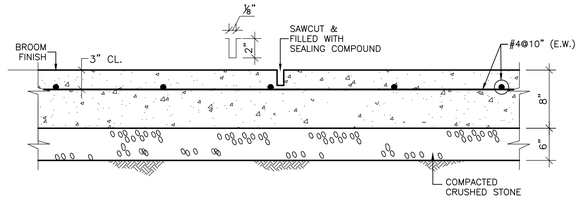


CONCRETE PAVEMENT DETAIL
NOT TO SCALE



CONCRETE PAVEMENT CONTRACTION JOINT DETAIL
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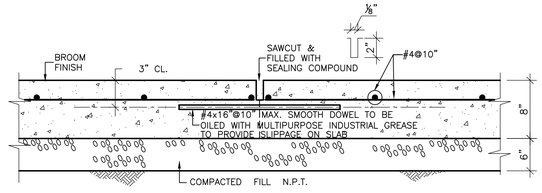

CONCRETE PAVEMENT CONTRACTION JOINT DETAIL
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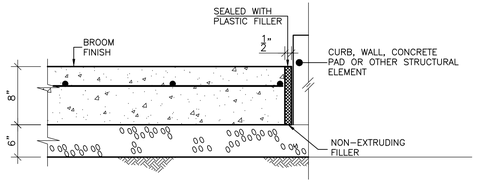
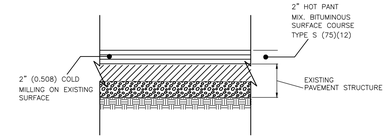


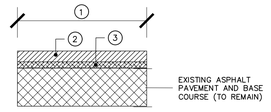
N O T E :

1 – EXPANSION JOINT LOCATED BETWEEN THE PAVEMENT AND CURBS WALLS OR OTHER STRUCTURAL ELEMENT.

CONCRETE PAVEMENT EXPANSION JOINT DETAIL
NOT TO SCALE

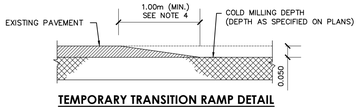


TYPICAL PAVEMENT SECTION FOR RE-SURFACING
NOT TO SCALE



(0.0762m COLD MILLING & OVERLAY)

PAVEMENT REHABILITATION
NOT TO SCALE



TEMPORARY TRANSITION RAMP DETAIL

NOTES:

1. PROVIDE A SMOOTH TRANSITION FROM EXISTING ASPHALT PAVEMENT WITH THE COLD MILLED AREA WHEN THE SECTION IS OPEN TO TRAFFIC.
2. TRANSITION RAMP IS A SUBSIDIARY OBLIGATION ON SPEC. 403–COLD MILLING OF BITUMINOUS ASPHALT PAVEMENT PAY ITEM.
3. TRANSITION RAMP TO BE PROVIDED ON BOTH SIDES OF THE COLD MILLED AREA.
4. PROPOSED PAVEMENT SURFACE AND CROSS SLOPE SHALL MATCH EXISTING GRADING.
5. MATERIALS MUST BE AAPROVED BY ENGINEER.
6. DECORATIVE ASPHALT PAVING MAY BE USED IF ACCORDANCE WITH PRHTA STANDARD.

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Revisions:

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Project Title:
DE DIEGO STREET & "PASEO" REHABILITATION

SAN JUAN, PUERTO RICO

Client: MUNICIPIO AUTONOMO DE SAN JUAN

Project No.: 65-2125.0

Drawing Title:
PAVEMENT SITE DETAILS

Preliminary Design 60%
▶APRIL- 26 -2024◀

Sheet:
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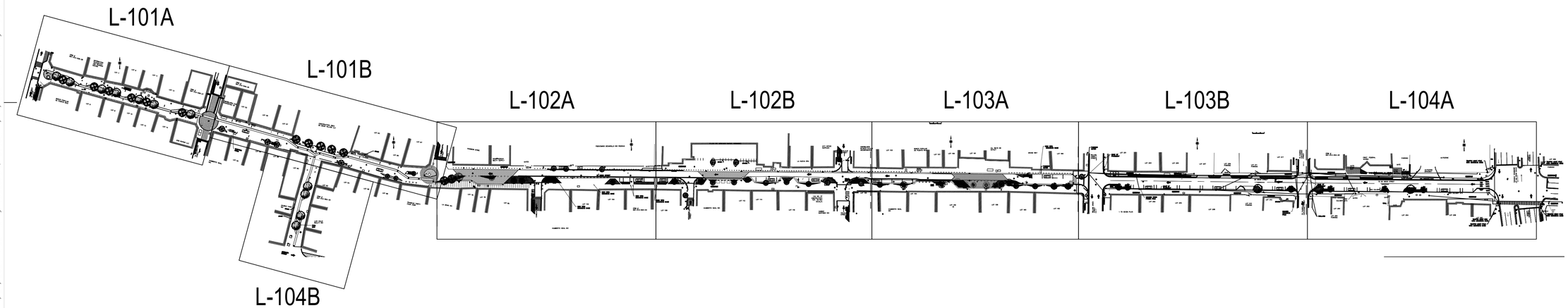

CALLE DE DIEGO OVERALL PLAN
N.T.S.

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Seal:

Revisions:

Number	Date	Description

Project Title:
DE DIEGO STREET & "PASEO"
REHABILITATION

SAN JUAN, PUERTO RICO
SAN JUAN, PUERTO RICO

Client: MUNICIPIO AUTÓNOMO DE SAN JUAN

Project No.: 65-2125.0

Drawing Title:
OVERALL PLAN

Preliminary Design 60%
▶APRIL- 26 -2024◀

Sheet:
L-000

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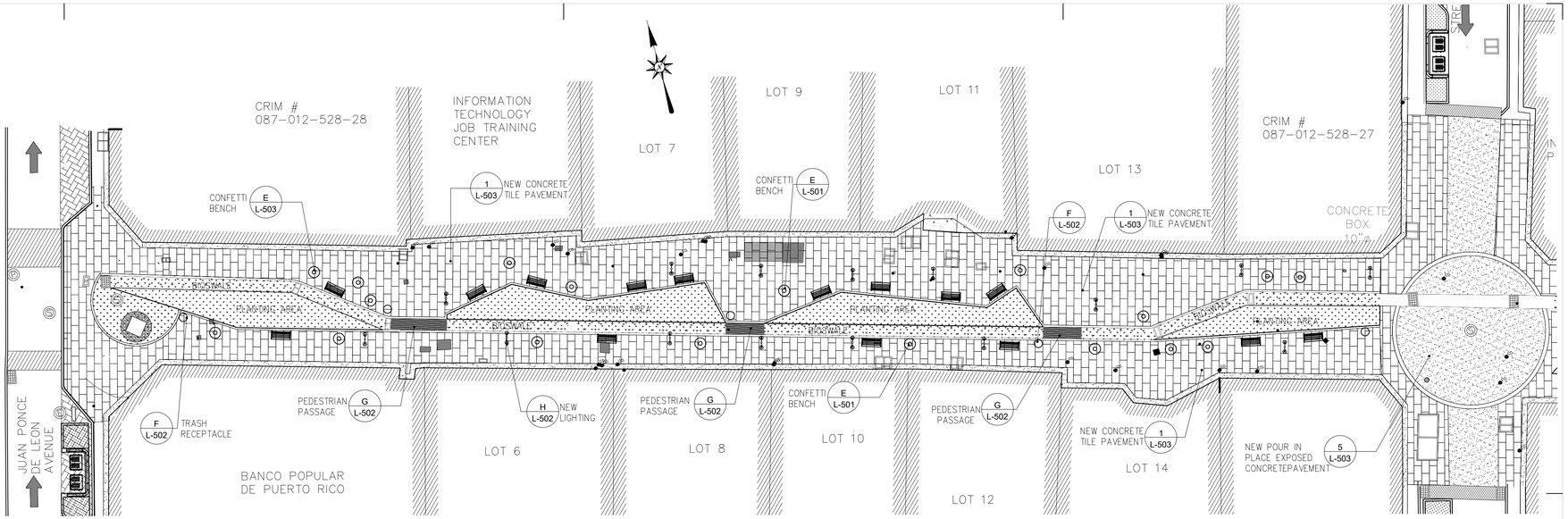


CALLE DE DIEGO SITE PLAN A

SCALE: 1:200

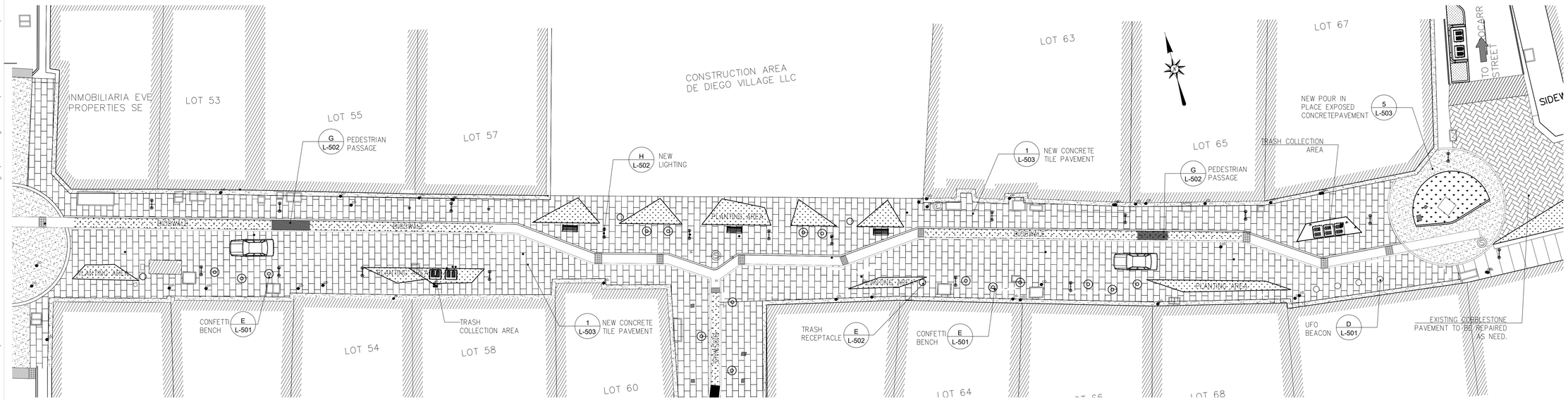
HARDSCAPE SCHEDULE

Hatch	ID	TYPE/BRAND	Size	Description
	PV-1	WASSAU TILE H-SERIES	24"x36"x2-3/4"	TYPE: ESTATE CREATED BY COLORING CEMENT MATRIX WITH STANDARD-SIZED AGGREGATE. COLOR-
	PV-2	EXISTING PAVERS "ADOQUINES"	4" x 8" x 3-1/8"	CONCRETE PAVER (Adoquin) TO MATCH EXISTING PAVERS ON SITE COLOR- GRAY
	PV-3	EXISTING SIDEWALK	4' x 4' Key joint spacing	CAST IN PLACE CONCRETE PAVEMENT WITH EXPOSED AGGREGATE CONCRETE FINISH TO MATCH PATTERN AND COLOR ON SITE
	PV-4	NEW SIDEWALK	8'- 12' Joint spacing with 6"x 24" x 2-1/4" x 2-1/4" thick tile	CAST IN PLACE CONCRETE PAVEMENT WITH STEEL TROWEL FINISH
	PV-5	INTERSECTION PAVEMENT	VARIES	CAST IN PLACE CONCRETE PAVEMENT WITH EXPOSED AGGREGATE CONCRETE FINISH
	PV-6	EXISTING PAVEMENT AT PARALLEL PARKING	4" x 8" x 3-1/8"	CONCRETE PAVER (Adoquin) TO MATCH EXISTING PAVERS ON SITE COLOR- GRAY

FURNITURE SCHEDULE

Hatch	ID	Name/Supplier/Brand/	Size	QTY.	Description
	C	LANDSCAPE FORMS NEOCOMBO ALUMINUM BENCH	26"W x 59"L x18"	18	ALUMINUM BENCH
	D	MAGO URBAN UFO BEACON	24"Ø, 12"H	4	PRECAST CONCRETE SCALED AND WATERPROOF ANCHOR WITH METAL ROD
	E	MAGO URBAN CONFETTI BENCH	35"Ø, 16"H	34	PRECAST CONCRETE SCALED AND WATERPROOF ANCHOR WITH METAL ROD
	F	TRASH RECEPTACLE	24"Ø, 39"H	9	32 GALLON STEEL RECEPTACLE HINGED BONNET CONVER

GENERAL NOTES:
ALL FINISHED FLOORS SHALL COMPLY WITH ANSI 137.1-2017, ANSI A326.3, AND ASTM E303 (FLOOR AND ROAD SLIP RESISTANCE), WHICH REQUIRE ALL EXTERNAL PAVEMENT AND RAMPS TO HAVE **A MINIMUM SLIP RESISTANCE OF 0.5 DCOF** FOR AREAS WITH SLOPES LESS THAN 1 IN 12 AND **0.8 DCOF** FOR AREAS STEEPER THAN 1 IN 12.



CALLE DE DIEGO SITE PLAN B

SCALE: 1:200

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Seal:

Revisions:

Number	Date	Description

Project Title:
DE DIEGO STREET & "PASEO" REHABILITATION

SAN JUAN, PUERTO RICO

Client: MUNICIPIO AUTÓNOMO DE SAN JUAN

Project No.: 65-2125.0

Drawing Title:
HARDSCAPE & URBAN FURNITURE PLAN

Preliminary Design 60%
▶APRIL- 26 -2024◀

Sheet:
L-101

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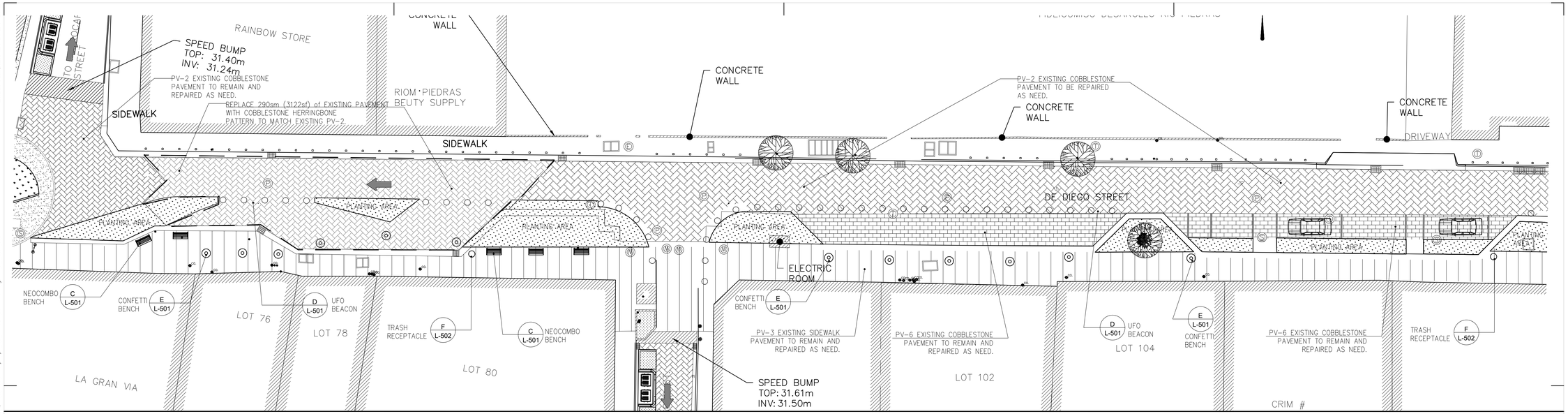

HARDSCAPE SCHEDULE

Hatch	ID	TYPE/BRAND	Size	Description
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HARDSCAPE AND FURNITURE SCHEDULE

Hatch	ID	Name/Supplier/Brand/	Size	QTY.	Description
	C	LANDSCAPE FORMS NEOCOMBO ALUMINUM BENCH	26"W x 59"L x18"	4	ALUMINUM BENCH
	D	MAGO URBAN UFO BEACON	24"Ø, 12"H	22	PRECAST CONCRETE SCALED AND WATERPROOF ANCHOR WITH METAL ROD
	E	MAGO URBAN CONFETTI BENCH	35"Ø, 16"H	24	PRECAST CONCRETE SCALED AND WATERPROOF ANCHOR WITH METAL ROD
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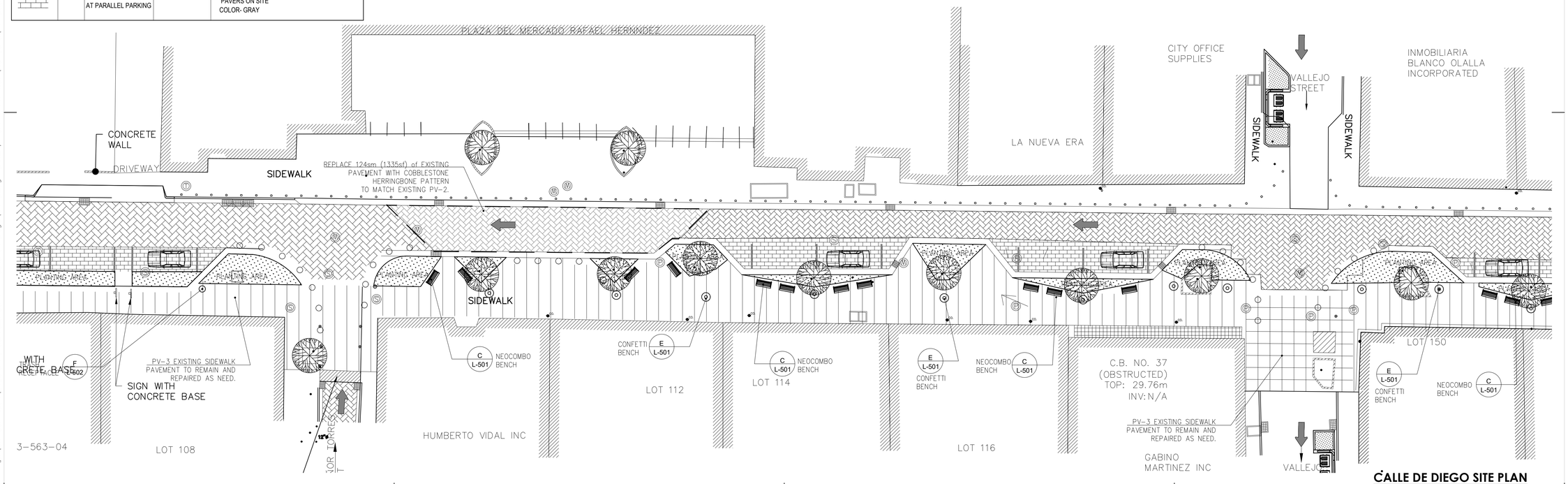

CALLE DE DIEGO SITE PLAN
SCALE: 1:200

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SAN JUAN, PUERTO RICO

Client: MUNICIPIO AUTÓNOMO DE SAN JUAN

Project No.: 65-2125.0

Drawing Title:
HARDSCAPE & URBAN FURNITURE PLAN

Preliminary Design 60%
▶APRIL- 26 -2024◀

Sheet:
L-102

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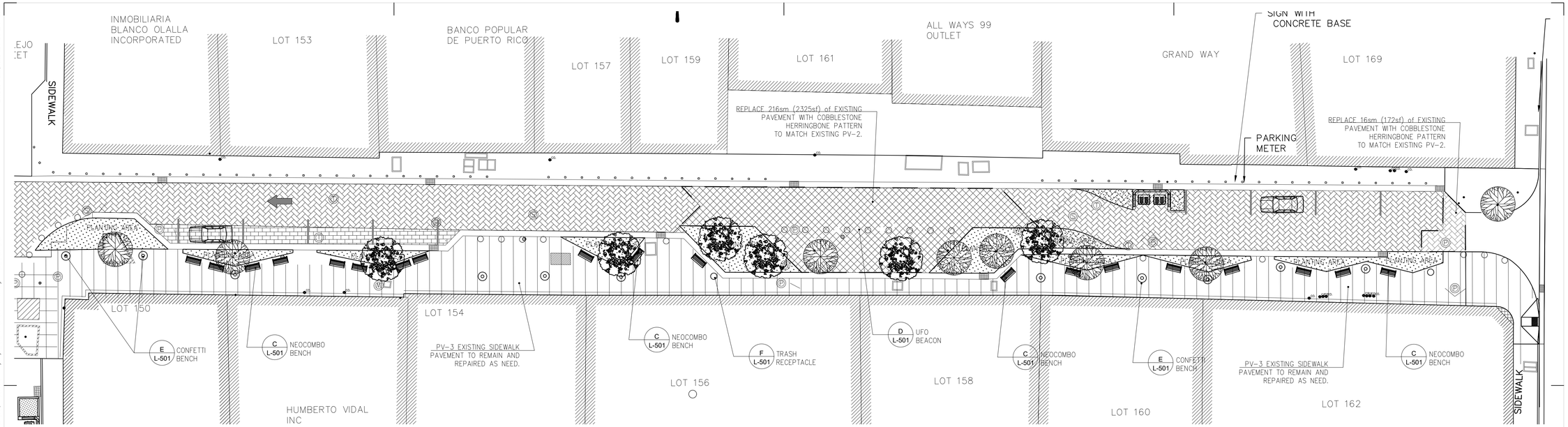
Sheet Template ID: OPE-F-07-B

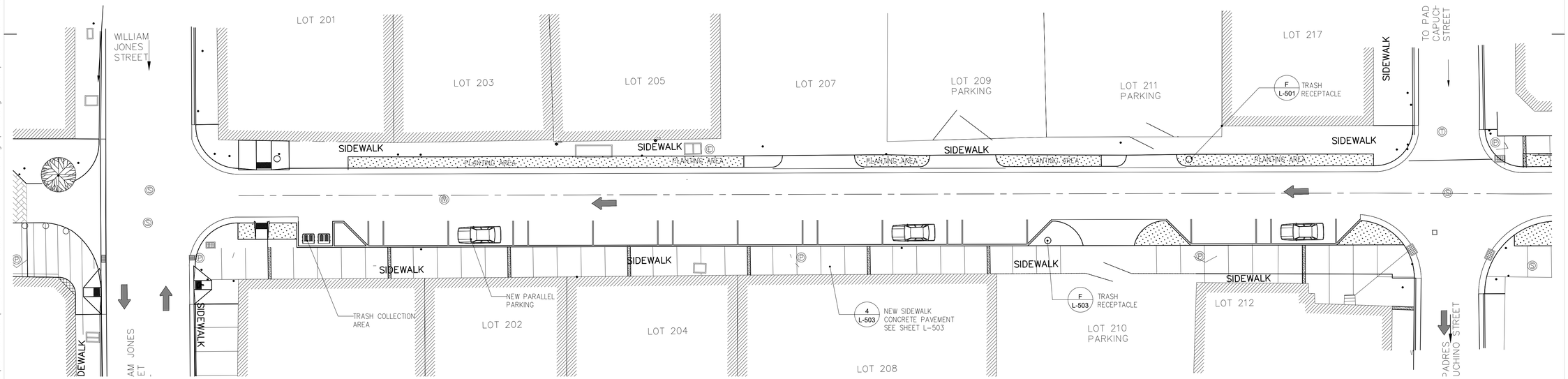


HARDSCAPE SCHEDULE				
Hatch	ID	TYPE/BRAND	Size	Description
	PV-1	WASSAU TILE H-SERIES	24"x36"x2-3/4"	TYPE: ESTATE CREATED BY COLORING CEMENT MATRIX WITH STANDARD-SIZED AGGREGATE. COLOR-
	PV-2	EXISTING PAVERS "ADOQUINES"	4" x 8" x 3-1/8"	CONCRETE PAVER (Adoquin) TO MATCH EXISTING PAVERS ON SITE COLOR- GRAY
	PV-3	EXISTING SIDEWALK	4' x 4' Key joint spacing	CAST IN PLACE CONCRETE PAVEMENT WITH EXPOSED AGGREGATE CONCRETE FINISH TO MATCH PATTERN AND COLOR ON SITE
	PV-4	NEW SIDEWALK	8'- 12' Joint spacing with 6"x 24" x 2-1/4" x 2-1/4" thick tile	CAST IN PLACE CONCRETE PAVEMENT WITH STEEL TROWEL FINISH
	PV-5	INTERSECTION PAVEMENT	VARIES	CAST IN PLACE CONCRETE PAVEMENT WITH EXPOSED AGGREGATE CONCRETE FINISH
	PV-6	EXISTING PAVEMENT AT PARALLEL PARKING	4" x 8" x 3-1/8"	CONCRETE PAVER (Adoquin) TO MATCH EXISTING PAVERS ON SITE COLOR- GRAY

HARDSCAPE AND FURNITURE SCHEDULE					
Hatch	ID	Name/Supplier/Brand/	Size	QTY.	Description
	C	LANDSCAPE FORMS NEOCOMBO ALUMINUM BENCH	26"W x 59"L x18"	4	ALUMINUM BENCH
	D	MAGO URBAN UFO BEACON	24"Ø, 12"H	22	PRECAST CONCRETE SCALED AND WATERPROOF ANCHOR WITH METAL ROD
	E	MAGO URBAN CONFETTI BENCH	35"Ø, 16"H	24	PRECAST CONCRETE SCALED AND WATERPROOF ANCHOR WITH METAL ROD
	F	TRASH RECEPTACLE	24"Ø, 39"H	4	32 GALLON STEEL RECEPTACLE HINGED BONNET CONVER

GENERAL NOTES:

ALL FINISHED FLOORS SHALL COMPLY WITH ANSI 137.1-2017, ANSI A326.3, AND ASTM E303 (FLOOR AND ROAD SLIP RESISTANCE), WHICH REQUIRE ALL EXTERNAL PAVEMENT AND RAMPS TO HAVE **A MINIMUM SLIP RESISTANCE OF 0.5 DCOF** FOR AREAS WITH SLOPES LESS THAN 1 IN 12 AND **0.8 DCOF** FOR AREAS STEEPER THAN 1 IN 12.



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Seal:

Revisions:

Number	Date	Description

Project Title:
DE DIEGO STREET & "PASEO" REHABILITATION

SAN JUAN, PUERTO RICO

Client: MUNICIPIO AUTÓNOMO DE SAN JUAN

Project No.: 65-2125.0

Drawing Title:
HARDSCAPE & URBAN FURNITURE PLAN

Preliminary Design 60%
▶APRIL- 26 -2024◀

Sheet:
L-103

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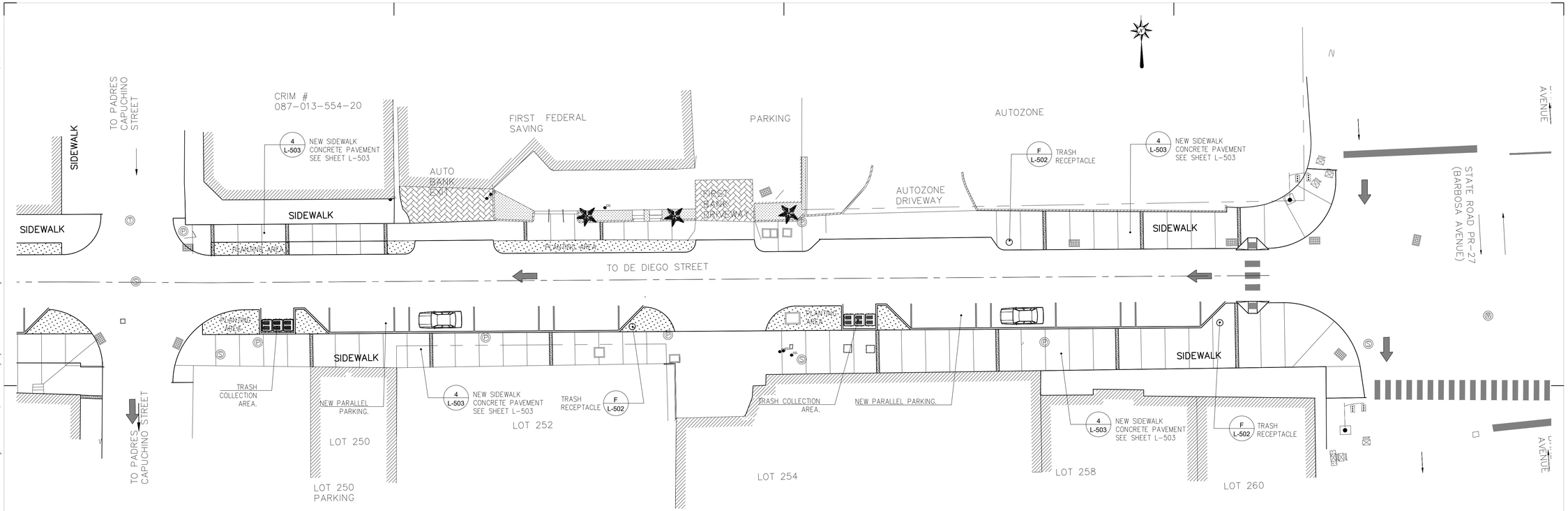

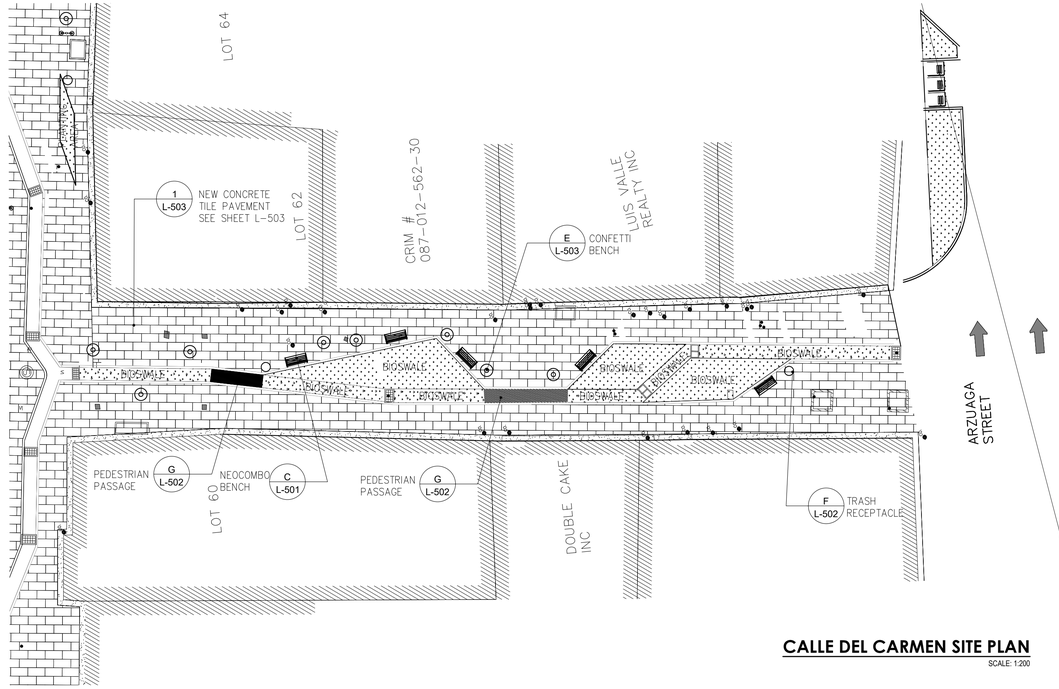

CALLE DEL CARMEN SITE PLAN
SCALE: 1:200

HARDSCAPE SCHEDULE

Hatch	ID	TYPE/BRAND	Size	Description
	PV-1	WASSAU TILE H-SERIES	24"x36"x2-3/4"	TYPE: ESTATE CREATED BY COLORING CEMENT MATRIX WITH STANDARD-SIZED AGGREGATE. COLOR-
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HARDSCAPE AND FURNITURE SCHEDULE

Hatch	ID	Name/Supplier/Brand/	Size	QTY.	Description
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	E	MAGO URBAN CONFETTI BENCH	35"Ø, 16"H	8	PRECAST CONCRETE SCALED AND WATERPROOF ANCHOR WITH METAL ROD
	F	TRASH RECEPTACLE	24"Ø, 39"H	6	32 GALLON STEEL RECEPTACLE HINGED BONNET CONVER

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Seal:

Revisions:

Number	Date	Description

Project Title:
DE DIEGO STREET & "PASEO" REHABILITATION

SAN JUAN, PUERTO RICO
Client: MUNICIPIO AUTÓNOMO DE SAN JUAN
Project No.: 65-2125.0
Drawing Title:
HARDSCAPE & URBAN FURNITURE PLAN

Preliminary Design 60%
▶APRIL- 26 -2024◀

Sheet:
L-104

Sheet Template ID: OPE-F-07-B

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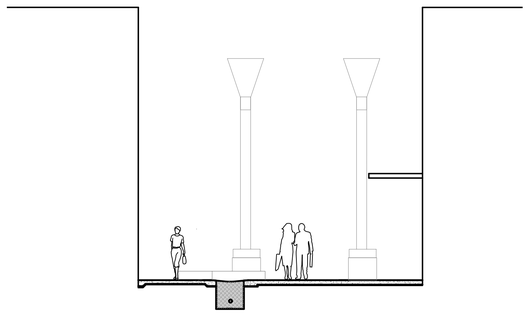

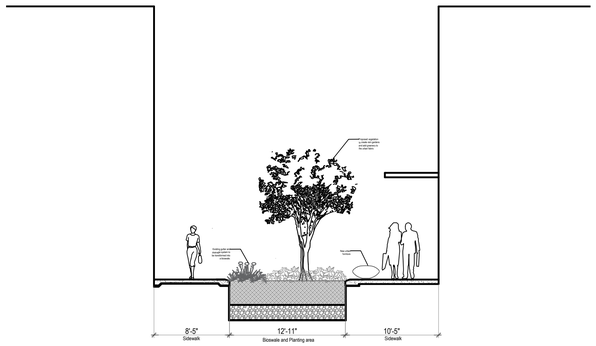

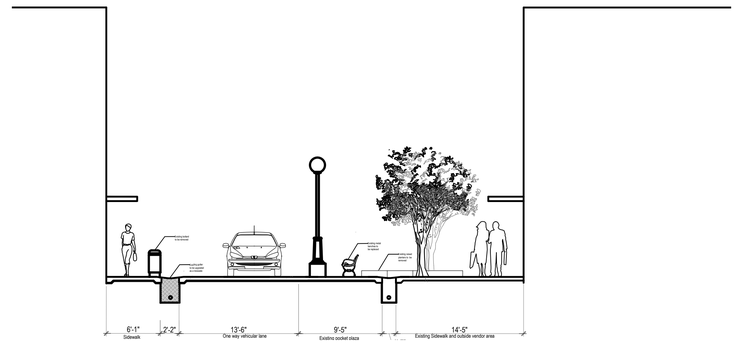

PASEO DE DIEGO EXISTING SECTION
FERROCARRIL ST. TO W. JONES ST.
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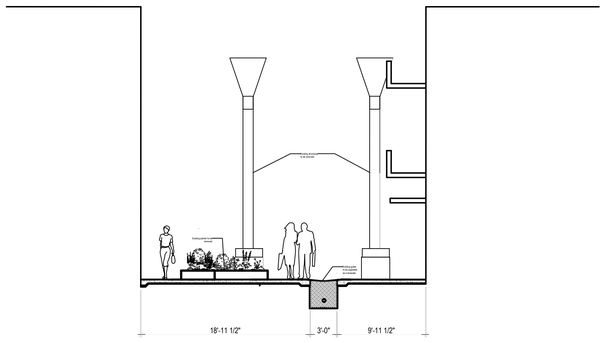
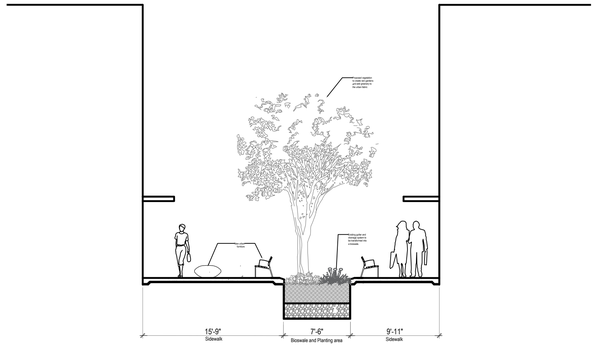
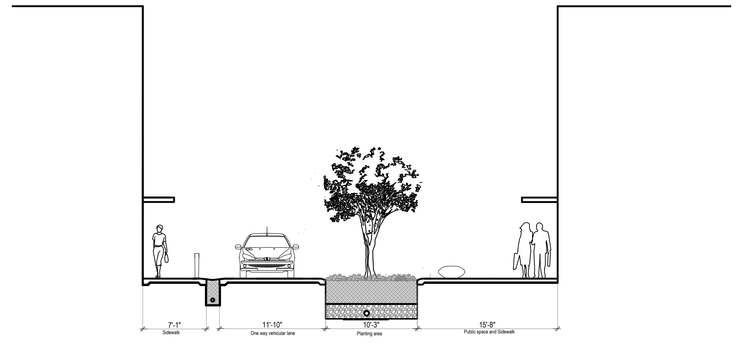
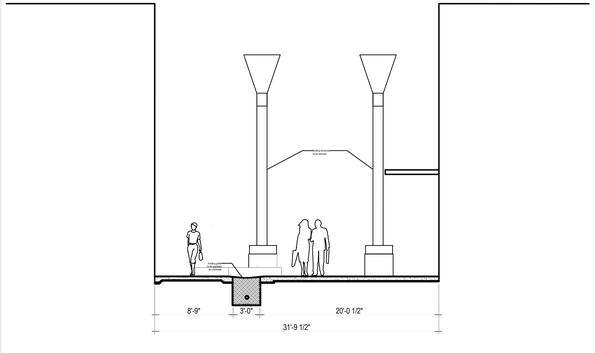






PASEO DE DIEGO PROPOSED SECTION
FERROCARRIL ST. TO W. JONES ST.
SCALE: 1/8" = 1'-0"



PASEO DE DIEGO EXISTING SECTIONS
AVE. PONCE DE LEON TO FERROCARRIL ST.
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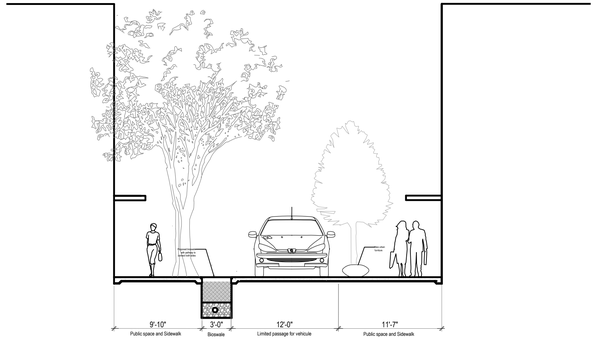
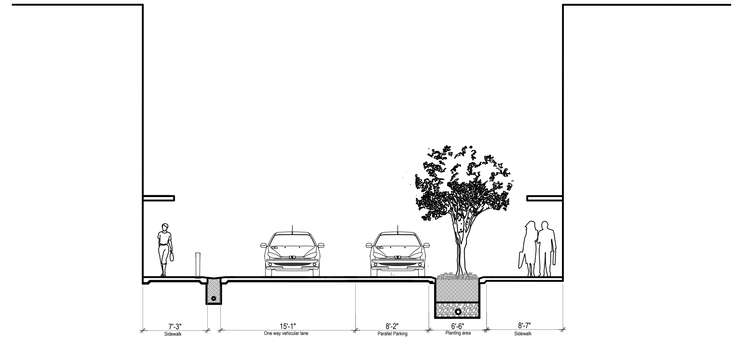


PASEO DE DIEGO PROPOSED SECTIONS
AVE. PONCE DE LEON TO FERROCARRIL ST.
SCALE: 1/8" = 1'-0"



PASEO DE DIEGO PROPOSED SECTION
FERROCARRIL ST. TO W. JONES ST.
SCALE: 1/8" = 1'-0"

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Seal:

Revisions:

Number	Date	Description

Project Title:
DE DIEGO STREET & "PASEO" REHABILITATION

SAN JUAN, PUERTO RICO

Client: MUNICIPIO AUTONOMO DE SAN JUAN

Project No.: 65-2125.0

Drawing Title:
EXISTING AND PROPOSED SECTIONS FOR PASEO DE DIEGO

Preliminary Design 60%
▶APRIL- 26 -2024◀

Sheet:
L-201

Sheet Template ID: OPE-F-07-B

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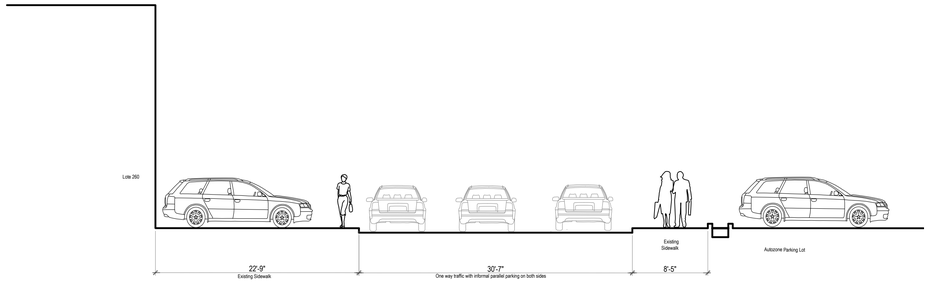
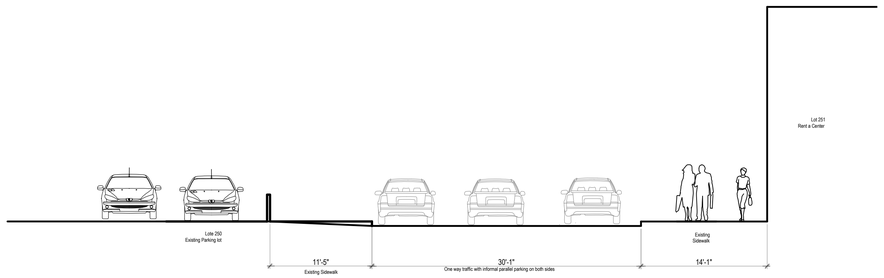
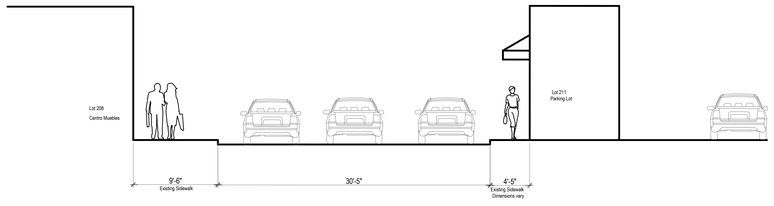
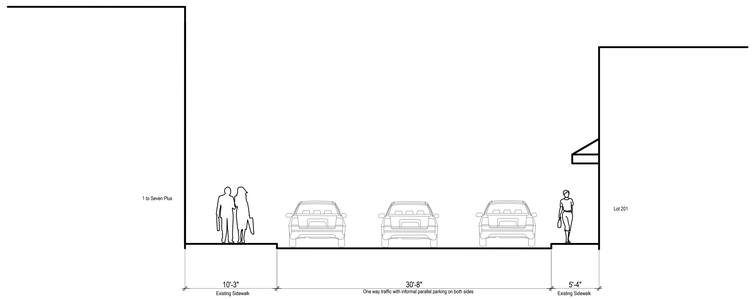


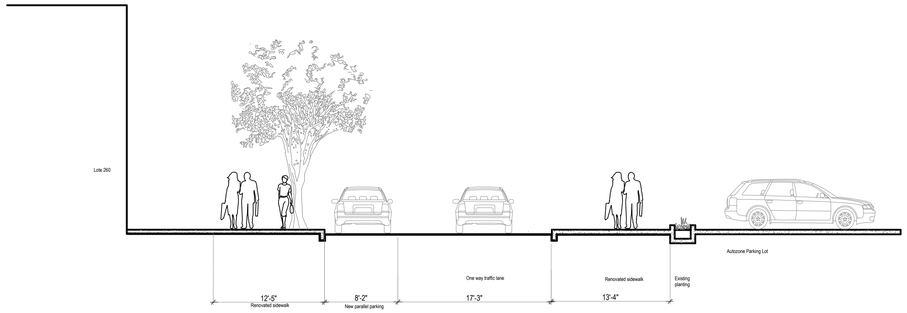


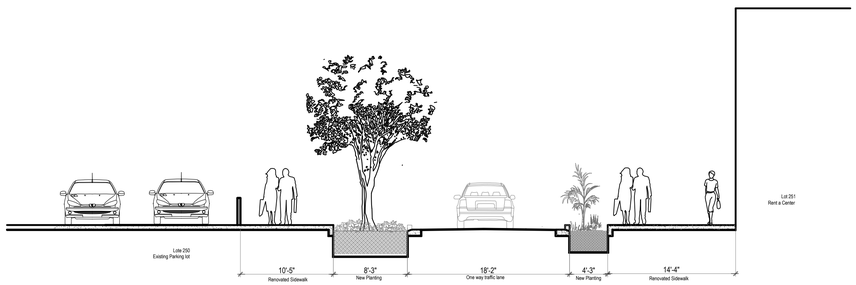
DE DIEGO STREET & "PASEO" EXISTING SECTIONS
AVE. BARBOSA TO W. JONES ST.

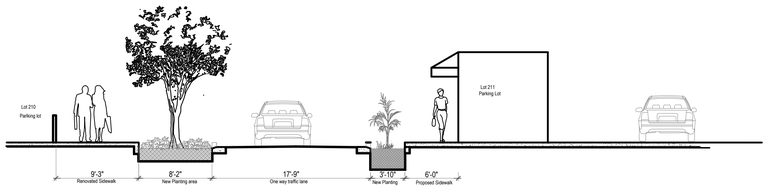
SCALE: 1/8" = 1'-0"

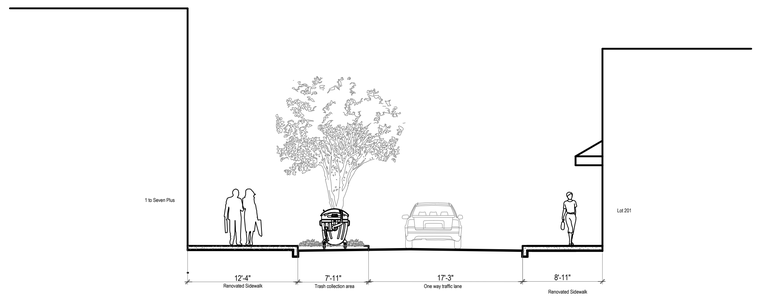












DE DIEGO STREET & "PASEO" PROPOSED SECTIONS
FROM AVE. BARBOSA TO W. JONES ST.

SCALE: 1/8" = 1'-0"

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Seal:

Revisions:

Number	Date	Description

Project Title:
DE DIEGO STREET & "PASEO"
REHABILITATION

SAN JUAN, PUERTO RICO

Client: MUNICIPIO AUTONOMO DE SAN JUAN

Project No.: 65-2125.0

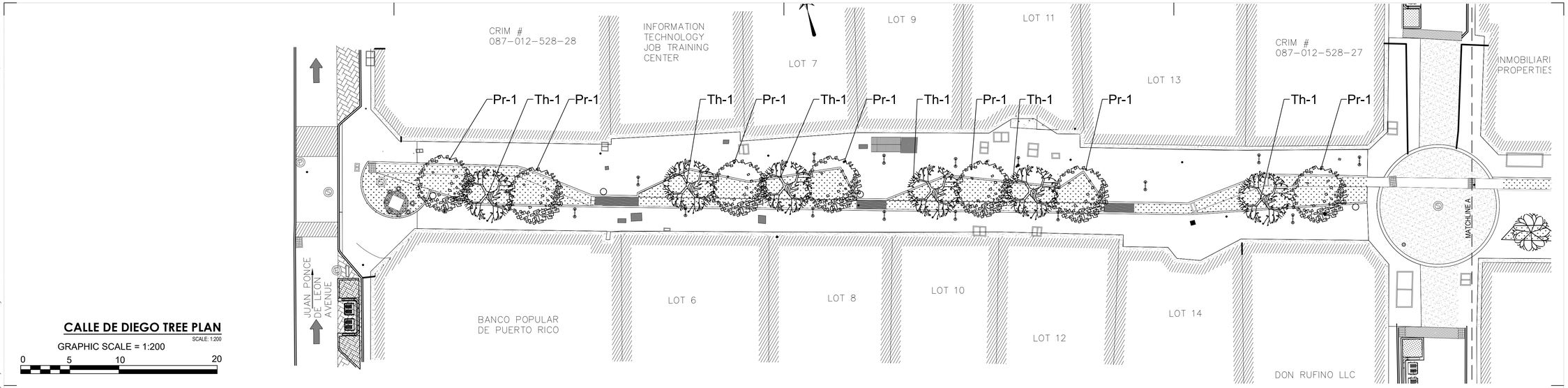
Drawing Title:
PROPOSED SECTIONS

Preliminary Design 60%
▶APRIL- 26 -2024◀

Sheet:
L-202

Sheet Template ID: OPE-F-07-B

File: P:\pr\65-San Juan\2125.0 AE Services Calle - Paseo de Diego\04-Design Development Prelim 60%\06-Land\Landscape Plan-rev; Plotted: 5/10/2024 5:52 PM by YDELGADO; Saved: 5/10/2024 5:46 PM by YDELGADO

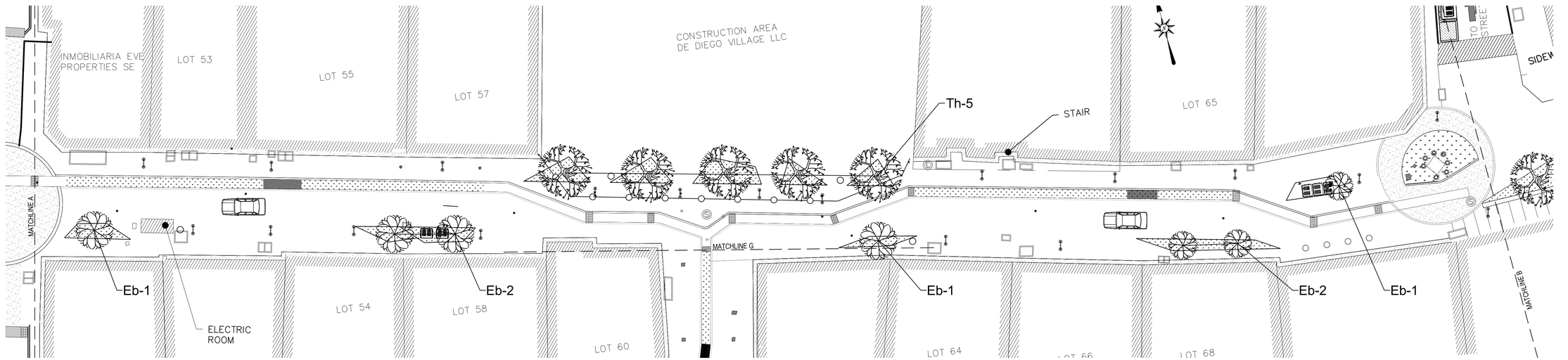


CALLE DE DIEGO TREE PLAN

SCALE: 1:200

GRAPHIC SCALE = 1:200

0 5 10 20



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SITE LEYEND	
SYMBOL	DESCRIPTION
	Existing tree to remain

PROPOSED NEW TREES					
Symbol	Key	*Botanical name	Common name	Qty.	SIZE
	Eb	*Eugenia biflora*	Hoja menuda	7	15 gal.- 6'ht/ full
	Th	*Tabebuia heterophylla*	Roble Nativo	11	15 gal.- 8'ht/ full
	Pr	*Pimenta racemosa*	Malagueta	7	15 gal.- 8'ht/ full

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Revisions:

Number	Date	Description

Project Title:
IMPROVEMENTS TO CALLE 67 PASEO DE DIEGO
REHABILITATION

SAN JUAN, PUERTO RICO
SAN JUAN, PUERTO RICO

Client: MUNICIPIO AUTÓNOMO DE SAN JUAN

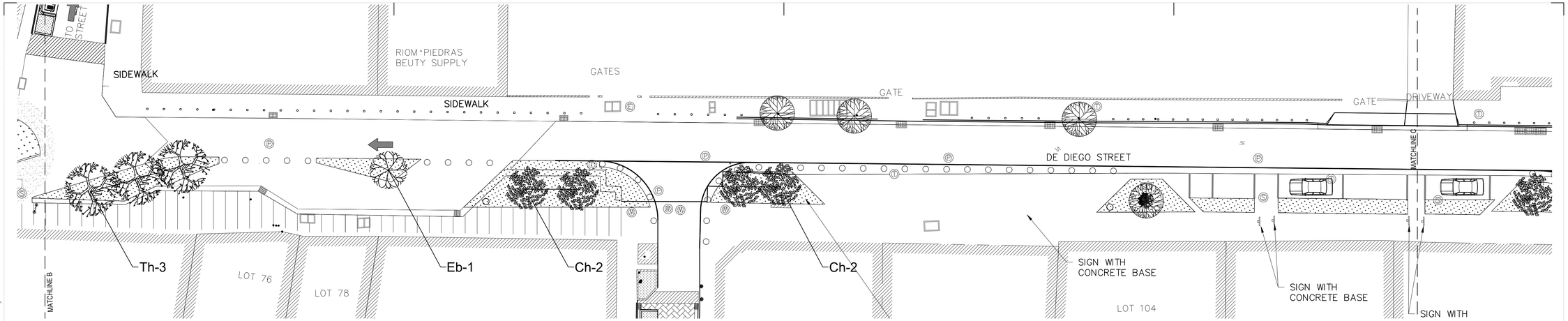
Project No.: 65-2125.0

Drawing Title:
TREE PLANTING PLAN

Preliminary Design 60%
▶APRIL- 26 -2024◀

Sheet:
L-401

Sheet Template ID: OPE-F-07-B



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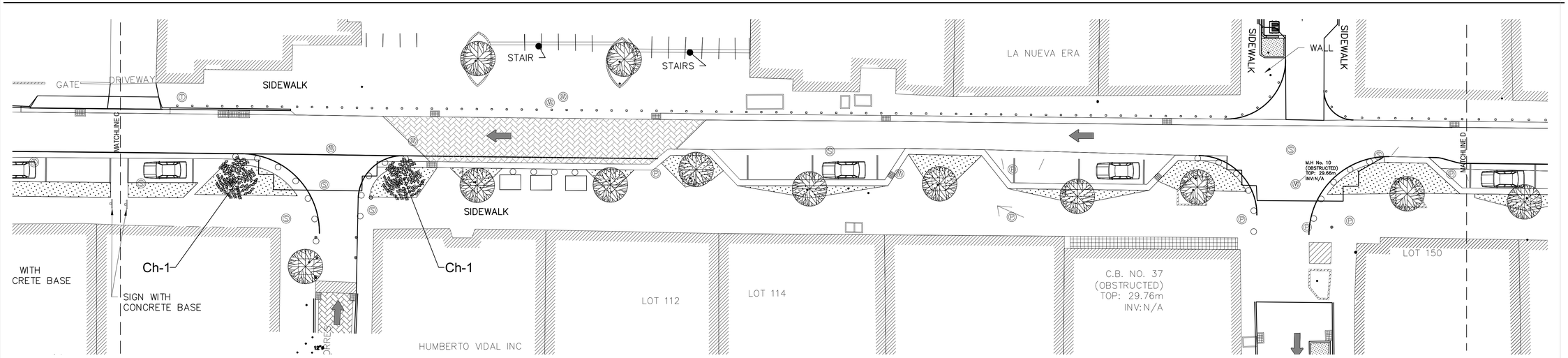

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SITE LEYEND	
SYMBOL	DESCRIPTION
	Existing tree to remain

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Symbol	Key	*Botanical name	Common name	Qty.	SIZE
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Revisions:

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IMPROVEMENTS TO CALLE 67 PASEO DE DIEGO REHABILITATION

SAN JUAN, PUERTO RICO
SAN JUAN, PUERTO RICO

Client: MUNICIPIO AUTÓNOMO DE SAN JUAN

Project No.: 65-2125.0

Drawing Title:
TREE PLAN

Preliminary Design 60%
▶APRIL- 26 -2024◀

Sheet:
L-402

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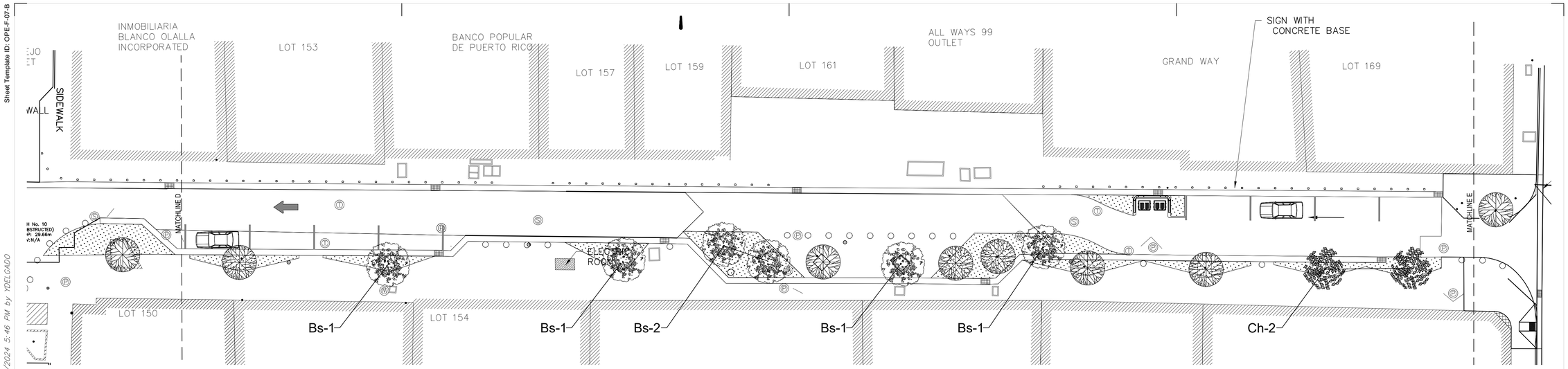

CALLE DE DIEGO TREE PLAN

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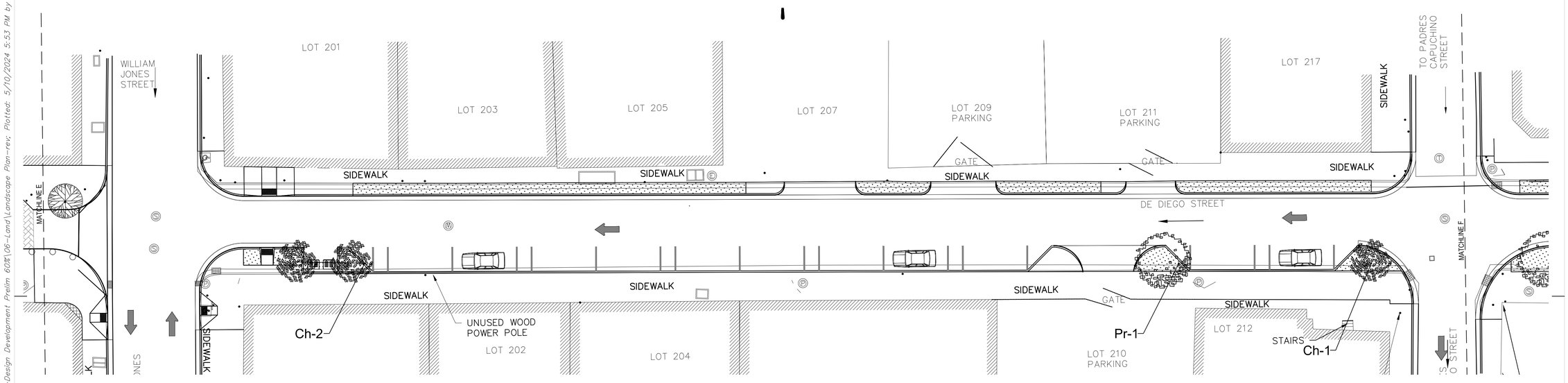

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IMPROVEMENTS TO CALLE 67 PASEO DE DIEGO
REHABILITATION

SAN JUAN, PUERTO RICO
SAN JUAN, PUERTO RICO

Client: MUNICIPIO AUTÓNOMO DE SAN JUAN

Project No.: 65-2125.0

Drawing Title:
TREE PLAN

Preliminary Design 60%
▶APRIL- 26 -2024◀

Sheet:
L-403

File: P:\pr\65-San Juan\2125.0 AE Services Calle - Paseo de Diego\04-Design Development Prelim 60%\06-Land\Landscape Plan-rev; Plotted: 5/10/2024 5:53 PM by YDELGADO; Saved: 5/10/2024 5:46 PM by YDELGADO

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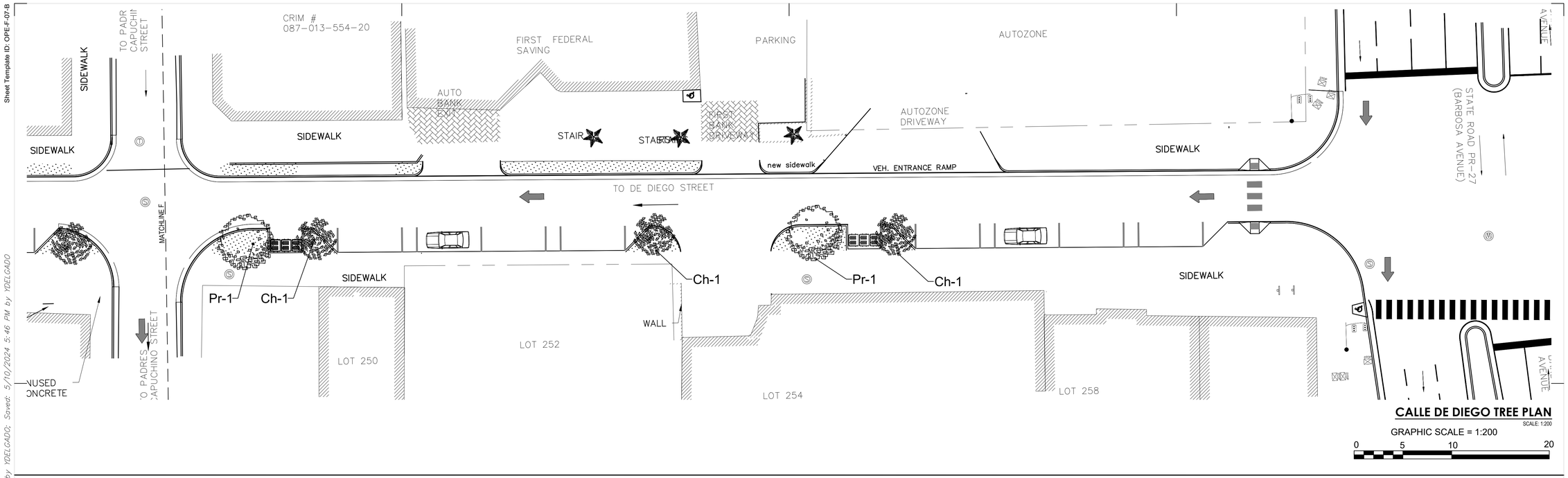

CALLE DE DIEGO TREE PLAN

SCALE: 1:200

GRAPHIC SCALE = 1:200

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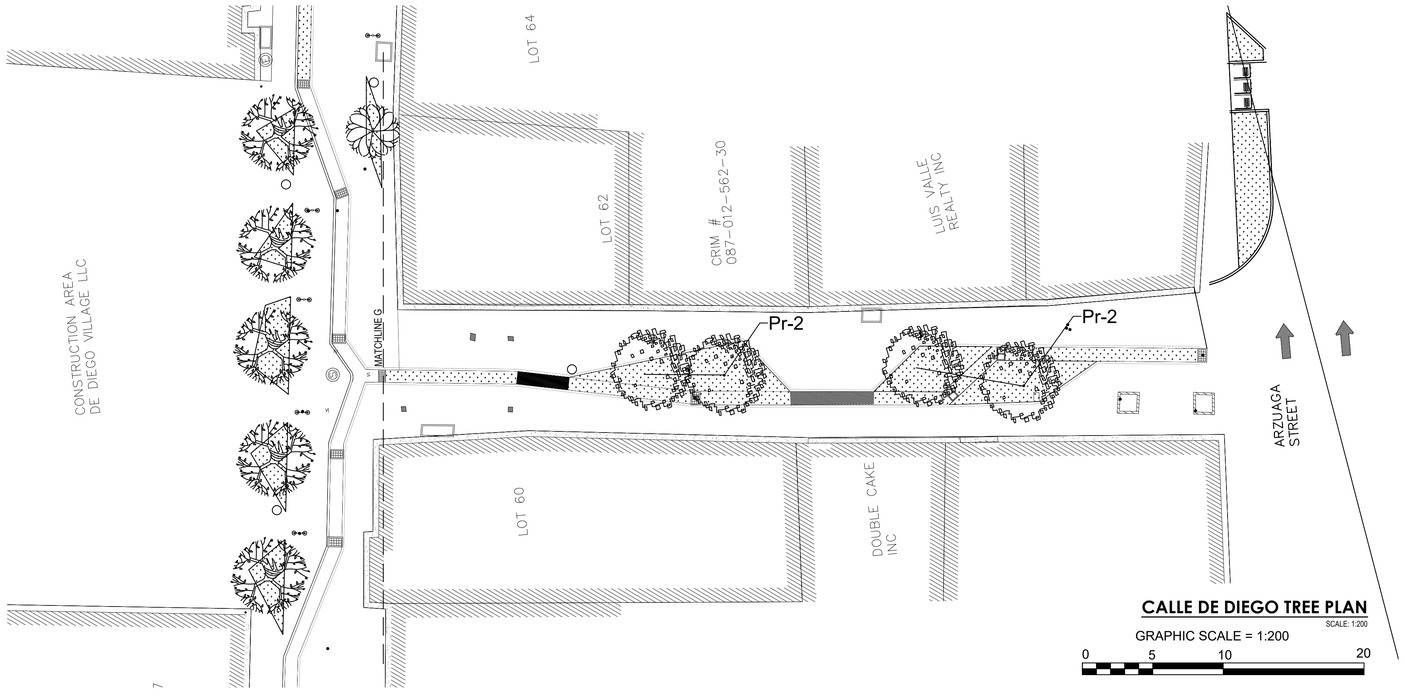

CALLE DE DIEGO TREE PLAN

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GRAPHIC SCALE = 1:200

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ALL NEW TREES TO BE PLANTED SHALL COMPLY WITH THE FOLLOWING:

- NEW TREES SHALL BE OF MID-GROWTH AGE AT A MINIMUM UNLESS SPECIFIED .
- OBSERVE TECHNICAL SPECIFICATION GUIDELINES FOR PLANTING WITH ROOTS PROTECTED IN BALL CONFIGURATION.
- ACCEPTABLE TREE SPECIES SHALL BE SELECTED FROM AVAILABLE TREE SPECIES AS FOUND IN "LEY 97 24 JUNIO 1998" AND APPROVED BY LANDSCAPE ARCHITECT. SEE TECHNICAL SPECIFICATIONS
- ALL PLANT MATERIAL SHALL BE APPROVED BY LANDSCAPE ARCHITECT (LA) PRIOR TO PURCHASE BY CONTRACTOR. CONTRACTOR SHALL REQUEST IN WRITTING, VISUAL INSPECTION, TAGGING, AND APPROVAL BY LA WITH MINIMUM OF 2 WEEKS NOTICE.
- ALL PLANT MATERIAL SHALL BE IN STRICT ACCORDANCE WITH THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-2004), THE PROJECT MANUAL AND WRITTEN SPECIFICATIONS.
- ALL CONTAINER SIZES ARE MINIMUMS. CONTRACTOR SHALL INCREASE CONTAINER SIZE AS NECESSARY TO CONFORM WITH SIZE SPECIFICATION. PLANTS SHALL BE IN CONTAINERS MINIMUM OF 2 MONTHS, MAXIMIMUM OF 8 MONTHS.

GENERAL PLANTING NOTES:

1. PRIOR TO CONSTRUCTION, THE OWNER SHALL SUPPLY CONTRACTOR WITH A CURRENT DRAWING LOCATING ALL UNDERGROUND UTILITIES. CONTRACTOR SHALL AVOID DAMAGE TO UTILITIES DURING CONSTRUCTION. ANY DAMAGE TO UTILITIES MARKED ON DRAWING SHALL BE REPAIRED AS QUICKLY AS PRACTICABLE, AT CONTRACTOR'S EXPENSE, UNDER SUPERVISION OF THE PROJECT MANAGER.
2. LANDSCAPE CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANTING DETAILS, GENERAL CONDITIONS AND OTHER WRITTEN SPECIFICATIONS FOR FURTHER AND COMPLETE CONSTRUCTION AND LOGISTIC INSTRUCTIONS.
3. LANDSCAPE CONTRACTOR SHALL BEAR ALL COSTS OF TESTING SOILS, AMENDMENTS, ASSOCIATED WITH THE WORK. PRIOR TO COMMENCEMENT OF THE PLANTING, THE CONTRACTOR SHALL PROVIDE COMPLETE SOIL TESTS WITH RECOMMENDATIONS FOR AMENDMENTS.
4. PLANTING MIX SHALL BE: 50% NATIVE TOPSOIL, 15% PEAT MOSS, 25% COMPOSTED MANURE, 10% WASHED RIVER SAND. SUBMIT TECHNICAL DATA AND SAMPLES TO LA FOR REVIEW AND APPROVAL.
5. CONTRACTOR SHALL ASSURE DRAINAGE OF ALL PLANTING PITS PRIOR TO INSTALLATION OF PLANT MATERIAL OVER 12" HEIGHT. MINIMUM PERCOLATION RATE IS EIGHT INCHES PER HOUR.CONTRACTOR SHALL FILL REPRESENTATIVE TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE AND PERCOLATION.
6. COMPOSTED MANURE SHALL BE FREE OF DELETERIOUS HARMFUL TO PLANT GROWTH, OF UNIFORM QUALITY AND HAVE A PH VALUE BETWEEN 5.3 AND 6.5 (AS DETERMINED IN ACCORDANCE WITH ASTM E70). PEAT SHALL BE STERILIZED TO BE MADE FREE OF ALL VIABLE NUT GRASS AND OTHER UNDESIRABLE WEEDS.
7. TOPSOIL SHALL BE NATURAL, FERTILE, AGRICULTURAL SOIL CAPABLE OF SUSTAINING VIPOROUS PLANT GROWTH. THE PH SHALL BE IN THE RANGE OF 5.5 TO 6.5. IT SHALL BE OF UNIFORM COMPOSITION AND FREE OF STONES, LUMPS, LIVE PLANTS AND THEIR ROOTS, STICKS AND OTHER EXTRANEOUS MATTER.
8. BEFORE PLACING PLANTING MIX, RAKE SUBSOIL SURFACE CLEAR OF STONES (THREE INCHES DIAMETER AND LARGER), DEBRIS AND RUBBISH. SCARIFY SUBSOIL TO DEPTH OF THREE INCHES AND INCORPORATE SPECIFIED PLANTING MIX INTO NATIVE SOIL.
9. FERTILIZATION-ONE WEEK FOLLOWING INSTALLATION ALL PLANTS SHALL BE FERTILIZED AT THE FOLLOWING RATES; PALMS/TREES:13-3-13 PLUS MINORS SLOW RELEASE GRANULAR-1/4 LB. FERTILIZER PER INCH OF TRUNK DIAMETER. SHRUBS AND GROUND COVER:8-10-10 PLUS MINORS SLOW RELEASE GRANULAR- ½ LB. OF NITROGEN PER 1000 SF AREA; TURF: 16-4-8 PLUS MINORS SLOW RELEASE GRANULAR- 1 LB OF NITROGEN PER 1000 SF AREA. REPEAT APPLICATION EVERY 6 WEEKS UNTIL FINAL ACCEPTANCE BY OWNER. THE COST FOR LANDSCAPE FERTILIZER AS DESCRIBED ABOVE SHALL BE INCLUDED IN THE PER PLANT PRICE.
10. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL PLANTING AREAS (INCLUDING WATERING, SPRAYING, WEEDING, MULCHING, MOWING, FERTILIZING) FROM THE TIME OF INSTALLATION UNTIL THE PONT OF FINAL ACCEPTANCE, IN FULL, BY OWNER'S REPRESENTATIVE.
11. CONTRACTOR TO GUARANTEE PLANT MATERIAL FOR A TWELVE (12) MONTH ESTABLISHMENT PERIOD FOLLOWING DATE OF SUBSTANTIAL COMPLETION.
12. CONTRACTOR TO REQUEST SUBSTANTIAL COMPLETETION INSPECTION, IN WRITING, TO PROJECT MANAGER A MINIMUM OF TEN DAYS IN ADVANCE WITH THEIR LIST OF WORK TO BE COMPLETED. LA SHALL REVIEW THE PROJECT, COMPILE A PUNCH LIST OF DEFICIENT ITEMS AND IF WORK IS SUFFICIENTLY ADVANCED IN ACCORDANCE WITH CONDITIONS OF CONTRACT DOCUMENTS, THEN THE OWNER , ARCHITECT AND/OR LANDSCAPE ARCHITECT SHALL DECLARE THE PROJECT SUBSTANTIALLY COMPLETE. SUBSTANTIAL COMPLETION CONSTITUTES THE BEGINNING OF GUARANTEE PERIOD.

SITE LEYEND	
SYMBOL	DESCRIPTION
	Existing tree to remain

PROPOSED NEW TREES					
Symbol	Key	*Botanical name	Common name	Qty.	SIZE
	Ch	*Calliandra haematocephala*	Pompón	3	15 gal.- 6'ht/ full
	Pr	*Pimenta racemosa*	Malagueta	6	15 gal.- 8'ht/ full

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Seal:

Revisions:

Number	Date	Description

Project Title:
IMPROVEMENTS TO CALLE 7 PASEO DE DIEGO REHABILITATION

SAN JUAN, PUERTO RICO
SAN JUAN, PUERTO RICO

Client: MUNICIPIO AUTÓNOMO DE SAN JUAN

Project No.: 65-2125.0

Drawing Title:
TREE PLAN

Preliminary Design 60%
▶APRIL- 26 -2024◀

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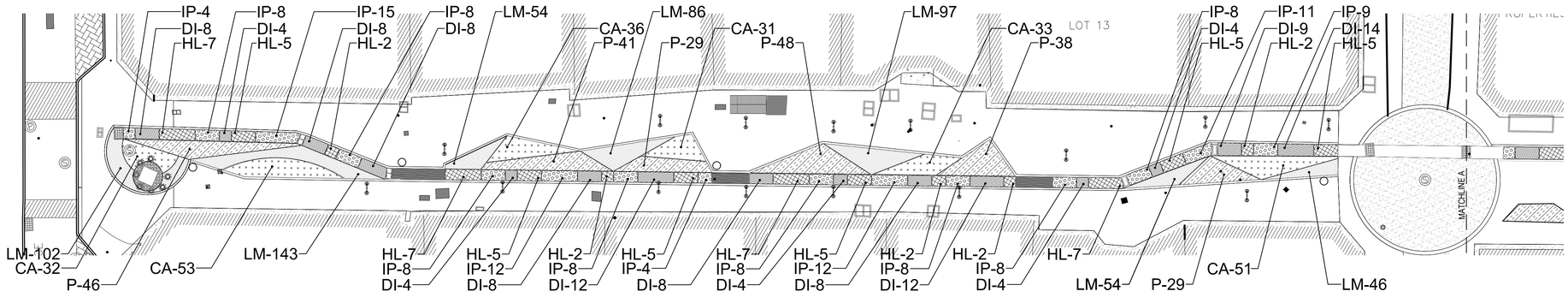

CALLE DE DIEGO SHRUB & GROUNDCOVER PLAN

SCALE: 1:200

GRAPHIC SCALE = 1:200

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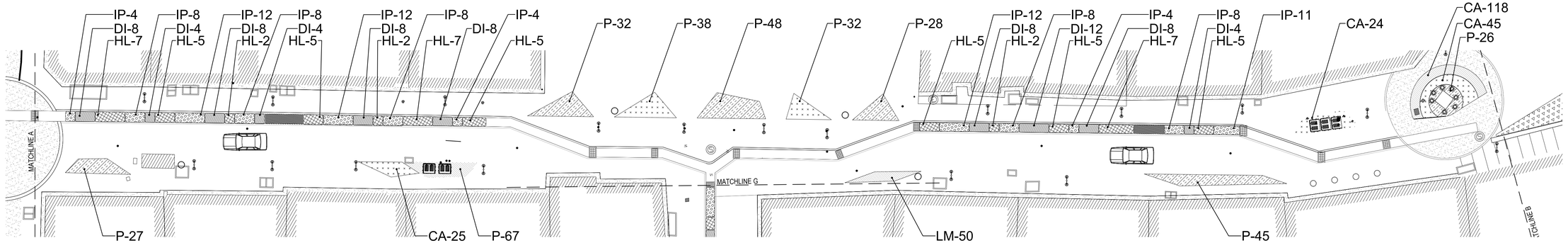

SHRUB & GROUNDCOVER PLANTING SCHEDULE					
SYMBOL	ID	COMMON NAME	SCIENTIFIC NAME	QTY.	SIZE
	CA	Caladium 'Aaron' Angel Wings	*Caladium*	400	1gal - 18" oc.
	DI	Dietes	*Dietes iridioides*	187	1 gal-12"ht/ min of 3 ppp/full-18"-oc.
	HI	Spider lily	*Hymenocallis latifolia*	125	3 Gal - 18"ht/ min of 3ppp/full - 24" oc
	IP	Yellow Iris	*Iris pseudocarus*	230	1gal - 18"- oc.
	LM	Lily turf	*Liriope muscari*	817	1gal - 12" oc.
	P	Philodendron 'Burle Marx'	*Philodendron 'Burle Marx'*	437	1 gal - 12"ht- 20" oc.

CALLE DE DIEGO SHRUB & GROUNDCOVER PLAN

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SAN JUAN, PUERTO RICO

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Project No.: 65-2125.0

Drawing Title:
SHRUB PLANTING PLAN

Preliminary Design 60%
▶APRIL- 26 -2024◀

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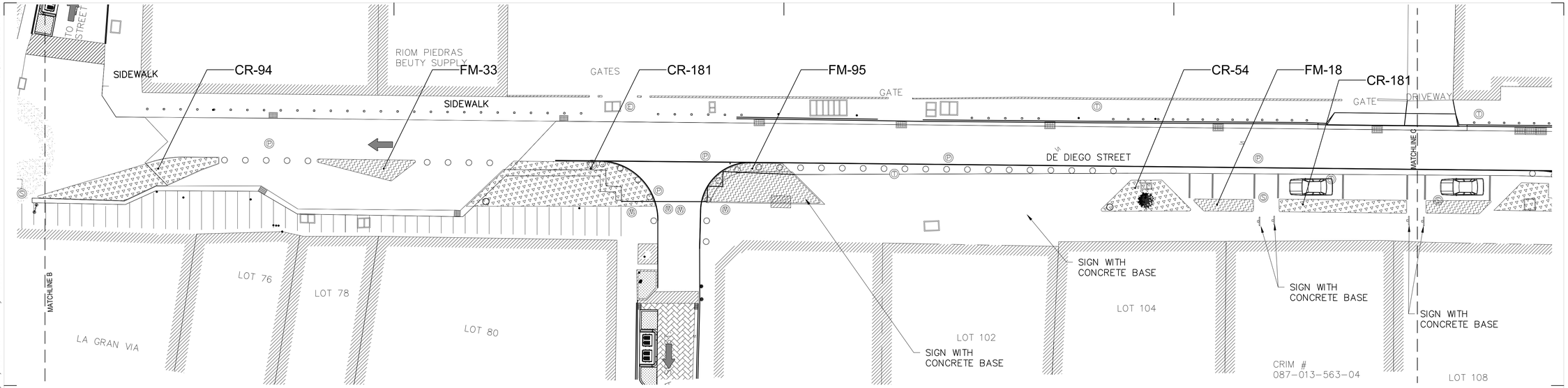

CALLE DE DIEGO SHRUB & GROUND COVER PLAN

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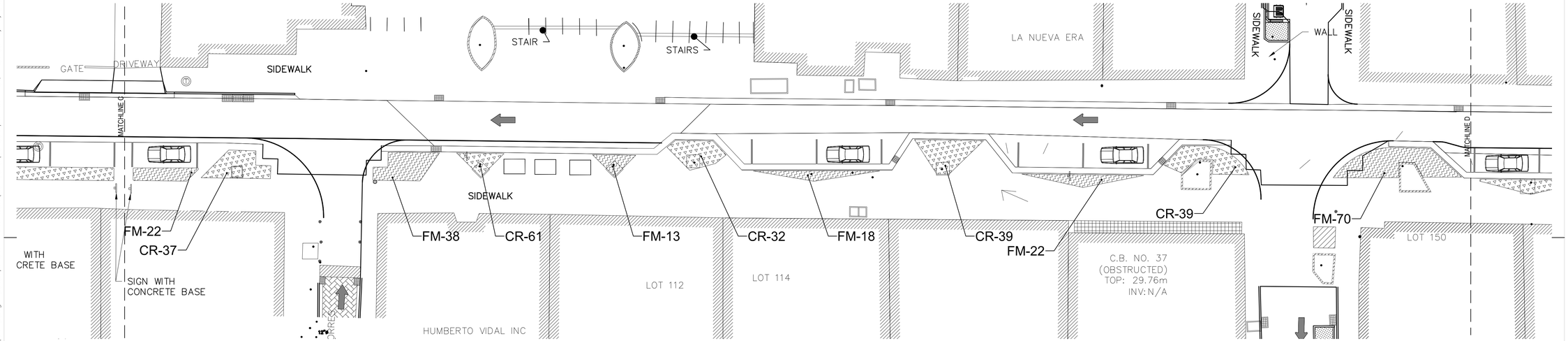

SHRUB & GROUNDCOVER PLANTING SCHEDULE					
SYMBOL	ID	COMMON NAME	SCIENTIFIC NAME	QTY.	SIZE
	CR	Cupey enano	*Clusia Rosea Nana*	718	2 gal - 8"ht/full- 24" oc. in masses
	FM	Ficus	*Ficus microcarpa*	329	1 gal - 8"ht/full-24" oc. in masses

CALLE DE DIEGO SHRUB & GROUND COVER PLAN

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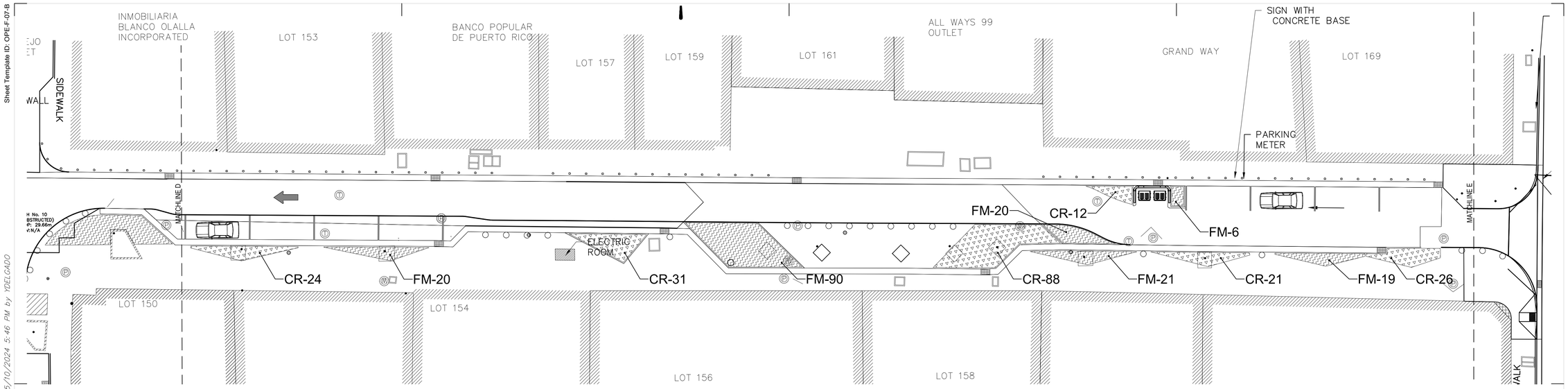

CALLE DE DIEGO SHRUB & GROUND COVER PLAN

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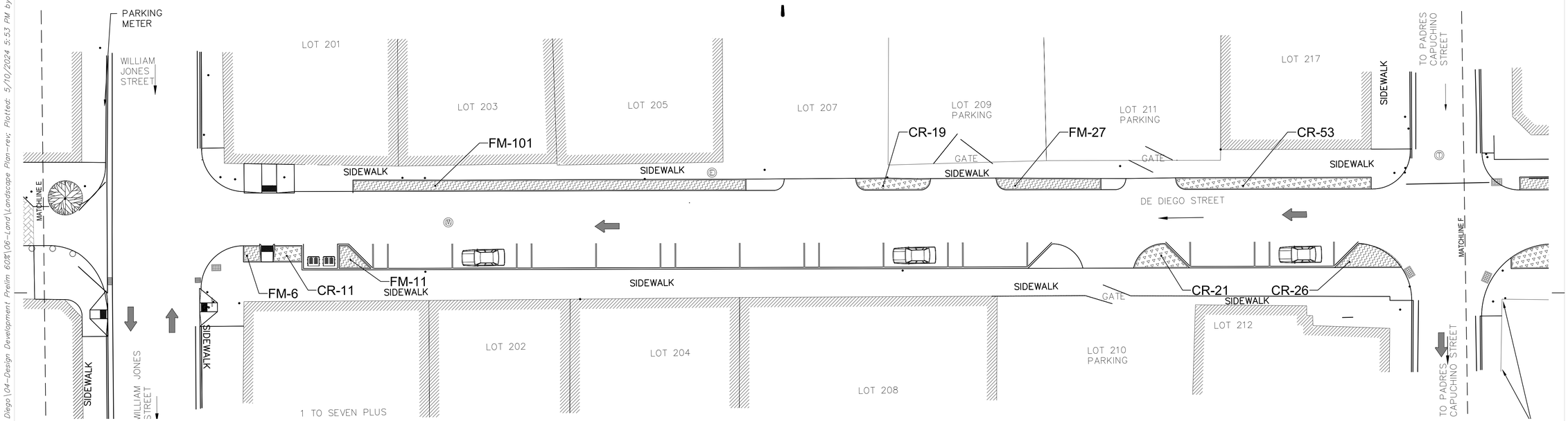

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SHRUB & GROUND COVER PLANTING SCHEDULE					
SYMBOL	ID	COMMON NAME	SCIENTIFIC NAME	QTY.	SIZE
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	FM	Ficus	*Ficus microcarpa*	347	1 gal - 8"ht/full-24" oc. in masses

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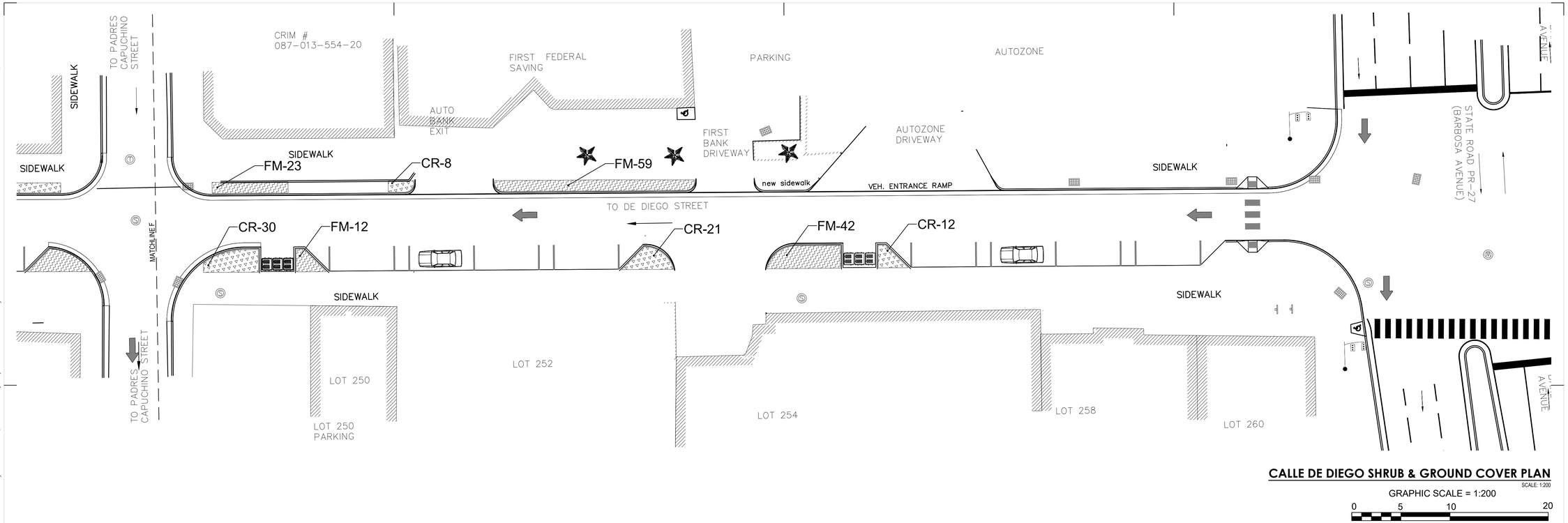

CALLE DE DIEGO SHRUB & GROUND COVER PLAN

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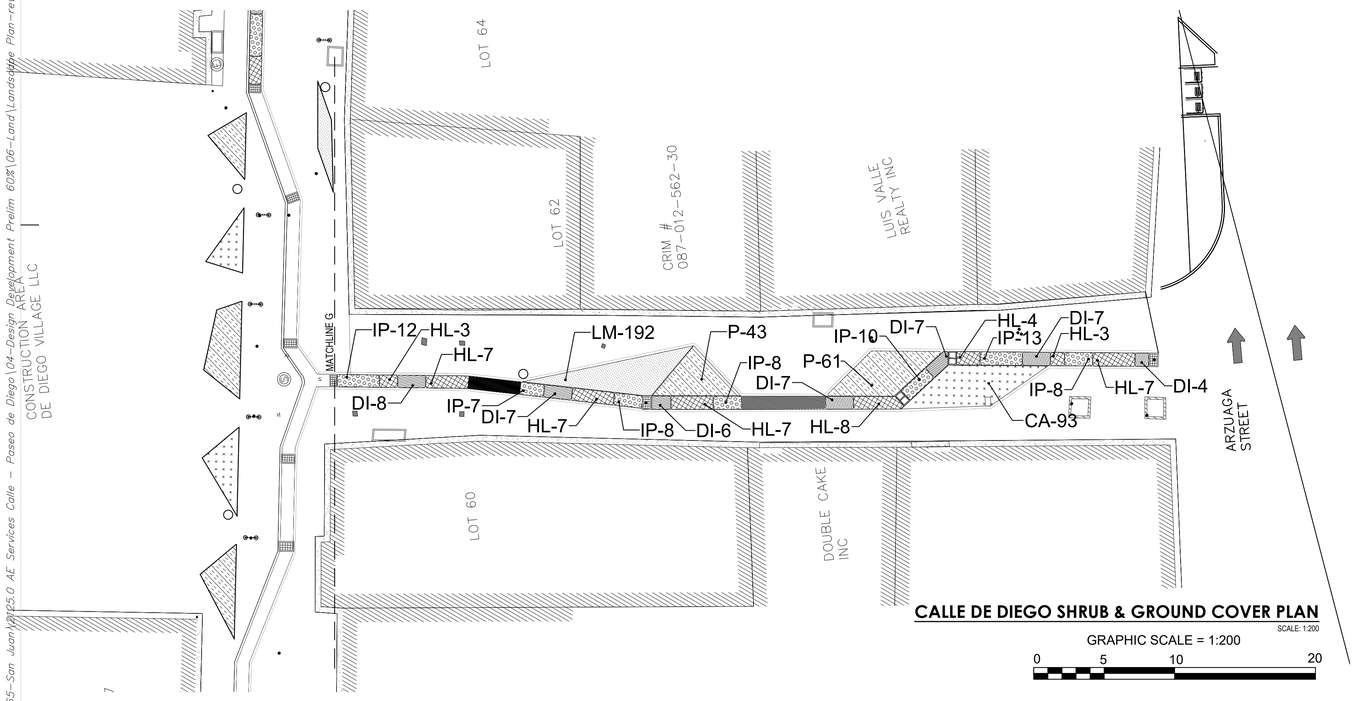

CALLE DE DIEGO SHRUB & GROUND COVER PLAN

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SHRUB & GROUND COVER PLANTING SCHEDULE

SYMBOL	ID	COMMON NAME	SCIENTIFIC NAME	QTY.	SIZE
	CA	Caladium 'Aaron' Angel Wings	*Caladium*	93	1gal - 18" oc.
	DI	Dietes	*Dietes iridioides*	45	1 gal-12"ht/ min of 3 ppp/full-18"-oc.
	HI	Spider lily	*Hymenocallis latifolia*	46	3 Gal - 18"ht/ min of 3ppp/full - 24" oc
	IP	Yellow Iris	*Iris pseudocarus*	66	1gal - 18"- oc.
	LM	Lily turf	*Liriope muscari*	192	1gal - 12" oc.
	P	Philodendron 'Burle Marx'	*Philodendron 'Burle Marx'*	104	1 gal - 12"ht- 20" oc.
	CR	Cupey enano	*Clusia Rosea Nana*	71	2 gal - 8"ht/full- 24" oc. in masses
	FM	Laurel de indias	*Ficus microcarpa*	136	1 gal - 8"ht/full-24" oc. in masses

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YO, OLGA E. ANGUEIRA ANDRACA, LIC. 36, 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 O CORPORACIONES PÚBLICAS CON JURISDICCIÓN. CERTIFICO, ADEMÁS, QUE EN LA PREPARACIÓN DE ESTOS PLANOS Y ESPECIFICACIONES SE HA CUMPLIDO CABALMENTE CON LOS DISPUESTO EN LA "LEY NÚM.14 DE 8 DE ENERO DE 2004, SEGÚN ENMENDADA, CONOCIDA COMO LA "LEY PARA LA INVERSIÓN POR LA INDUSTRIA PUERTORRIQUEÑA" Y CON LA LEY NÚM 319 DE 15 DE MAYO DE 1938, SEGÚN ENMENDADA; LEY NÚM. 96 DE 6 DE JULIO DE 1978, SEGÚN ENMENDADA. RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MI, MIS AGENTES O EMPLEADOS O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE.

Seal:

Revisions:

Number	Date	Description

Project Title:
IMPROVEMENTS TO CALLE DE DIEGO, PASEO DE DIEGO & REHABILITATION

SAN JUAN, PUERTO RICO
SAN JUAN, PUERTO RICO

Client: MUNICIPIO AUTÓNOMO DE SAN JUAN

Project No.: 65-2125.0

Drawing Title:
SHRUB PLANTING PLAN

Preliminary Design 60%
▶APRIL- 26 -2024◀

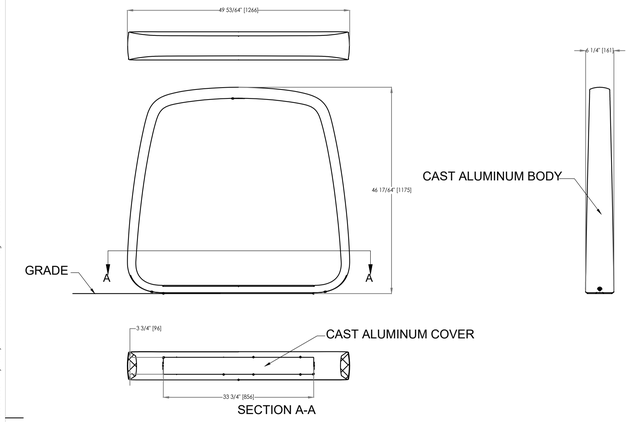
Sheet:
L-424

File: P:\vr\65-San Juan\2025.0 AE Services Calle - Paseo de Diego\04-Design Development Prelim 60%\06-Land\Landscape Plan-rev; Plotted: 5/10/2024 5:53 PM by YDELGADO; Saved: 5/10/2024 5:46 PM by YDELGADO

Sheet Template ID: OPE-F-07-B

Ride ™ Bike Rack, Surface Mount
Product Drawing

Date: 5/7/2010
www.landscapeforms.com Ph: 800.521.2546

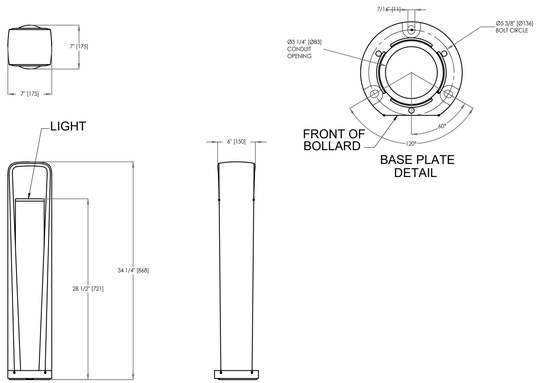


landscapeforms Drawing: NC706-03
Dimensions are in inches [mm]
Spanish Industrial Design 151.245

A L501 **RIDE-BIKE RACK**
SCALE: N.T.S

Stop ™ Bollard, Surface Mount
Product Drawing

Date: 10/14/2019
www.landscapeforms.com Ph: 800.521.2546

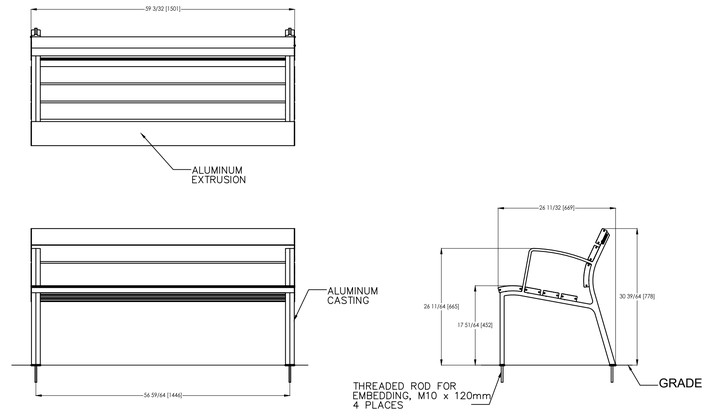


landscapeforms Drawing: SP278-02
Dimensions are in inches [mm]
U.S. Patent No.: D808,813

B L501 **STOP BOLLARD**
SCALE: N.T.S

Neocombo Backed Bench, 59in, Embedded, Aluminum
Product Drawing

www.landscapeforms.com Ph: 800.521.2546



landscapeforms Drawing: NC706-03
Dimensions are in inches [mm]
Spanish Industrial Design 151.340

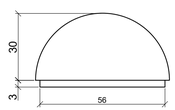
C L501 **NEOCOMBO- ALUMINUM BENCH**
SCALE: N.T.S

CARACTERISTICAS / FEATURES

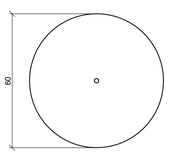
Material	precast concrete Petra 1
Finish	scaled and waterproofed
Dimensiones	Ø60 h. 30 cm,
Color	see colour catalogue
Fixing	with metal rod
Peso	150 Kg (Ø60)
Palet	70 x 70 cm (Ø35, Ø40, Ø60)

UFO

GEOMETRIA / GEOMETRY

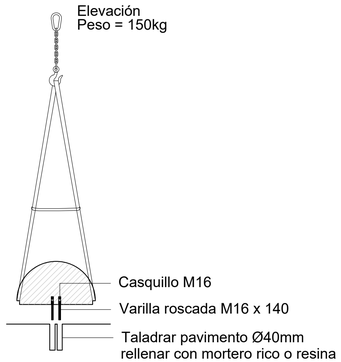


ALZADO / FRONT VIEW



PLANTA / TOP VIEW

MANIPULACIÓN E INSTALACIÓN / HANDLING AND INSTALLATION



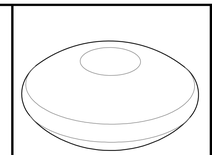
2 Casquillos M16

Tàrrega. Lleida - Tel. +34 973 15 87 03 - www.magourban.com - info@magourban.com

D L501 **UFO BEACON**
SCALE: N.T.S

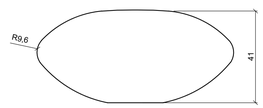
CARACTERISTICAS / FEATURES

Material	precast concrete Petra 1
Finish	scaled and waterproofed
Dimensions	Ø88, h. 41 cm
Colour	see colour catalogue
Fixing	anchored with metal rod
Weight	425 kg
Pallet	100 x 100 cm (1un)

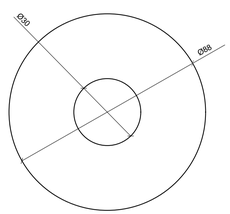


CONFETI

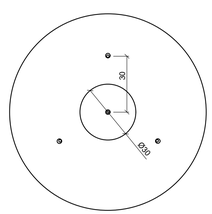
GEOMETRIA / GEOMETRY



ALZADO / FRONT VIEW



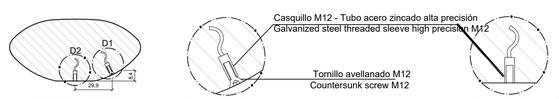
PLANTA / TOP VIEW



VISTA INFERIOR / BOTTOM VIEW

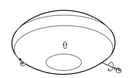
ESC. 1:10

ESPECIFICACIONES / SPECIFICATIONS



MANIPULACION E INSTALACION / HANDLING AND INSTALLATION

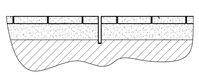
1 Enroscar cáncamo
Thread the eyebolt



2 Elevar, enroscar la varilla inferior e insertar la varilla en el agujero con resina epoxi
Lift, thread the rod and insert metal rod in hole with epoxy resin

Elevación / Hoisting
P= 425 kg

Varilla roscada M12
Threaded rod M12



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E L501 **CONFETTI BENCH**
SCALE: N.T.S

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Seal:

Revisions:

Number	Date	Description

Project Title:
DE DIEGO STREET & "PASEO" REHABILITATION

SAN JUAN, PUERTO RICO

Client: MUNICIPIO AUTONOMO DE SAN JUAN

Project No.: 65-2125.0

Drawing Title:
URBAN FURNITURE

Preliminary Design 60%
▶ APRIL- 26 -2024 ◀

Sheet:
L501

File: P:\pr\65-San Juan\2125.0 AE Services Calle - Paseo de Diego\04-Design Development Prelim 60%\06-Land\L501-502 Details-Mobiliario; Plotted: 4/26/2024 4:23 PM by OANGUEIRA; Saved: 4/22/2024 5:30 PM by OANGUEIRA

Xref ..\..\..\..\04-Design Development\X-REFS\X-Ref Integra Frame 24x36 Phase Information.dwg

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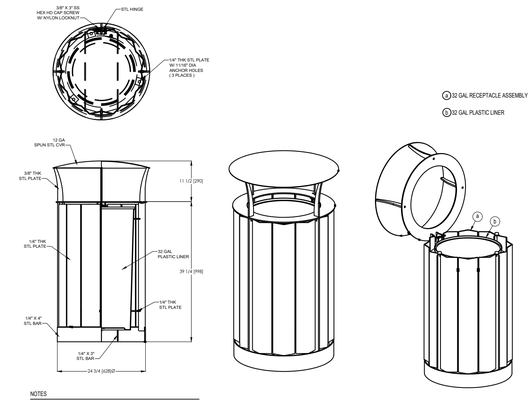


NOTES

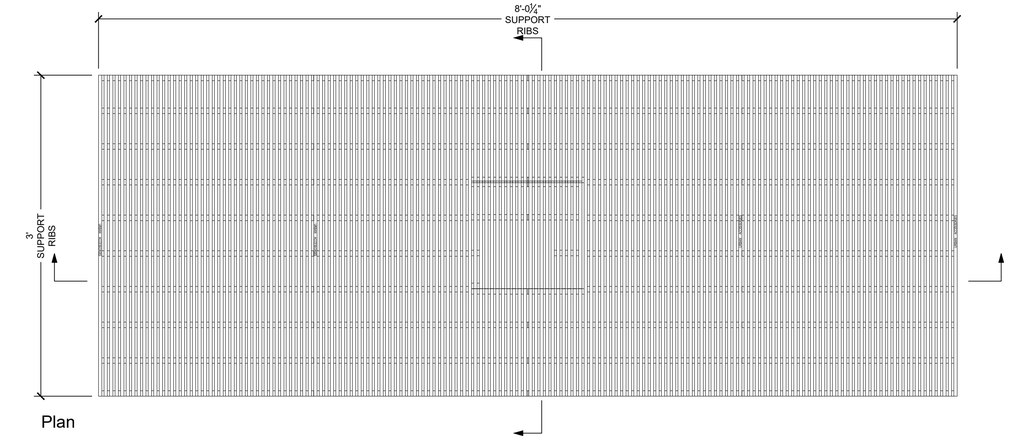
1.) ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
2.) 1/2" X 3 3/4" EXPANSION ANCHOR BOLTS PROVIDED.
3.) COVER HINGES OPEN FOR REMOVAL OF LINER.

DuMor, Inc.	RECEPTACLE	DATE DRAWN: 11/5/14 DRAWN BY: JSB DATE REV.: 12/03/15 REV. BY: ESS	REV	DRAWING NUMBER	474-32VS-BT

F L502

TRASH RECEPTACLE

SCALE: N.T.S



- Material will be high quality 100% gray iron, ASTM A48 class 35b or better, hardness 170-223 brinell (unless specified otherwise.)

- Finish will be natural patina of raw material (unless specified otherwise).

- Frame is load rated for pedestrian traffic only (unless specified otherwise; see below).

- **Dimensions are nominal.**

- Cast in four pieces.
- Grate is 1 $\frac{1}{2}$" thick at edge.
- No openings greater than $\frac{5}{16}$", in conformance with ADA Accessbility Guidelines.

G L502

PEDESTRIAN PASSAGE GRATE

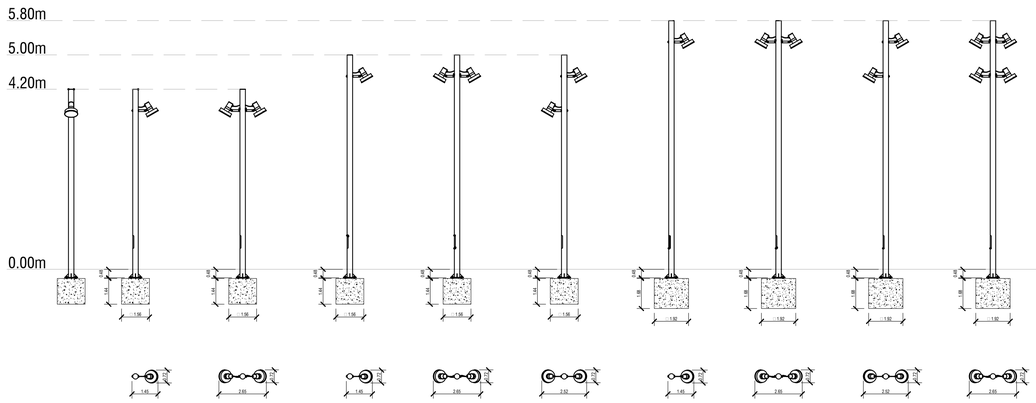
SCALE: N.T.S

Arne

Urbidermis team
2013

Farola / Streetlight

Urbidermis



H L502

ARNE LIGHT

SCALE: N.T.S

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Seal:

Revisions:

Number	Date	Description

Project Title:
DE DIEGO STREET & "PASEO" REHABILITATION

SAN JUAN, PUERTO RICO

Client: MUNICIPIO AUTONOMO DE SAN JUAN

Project No.: 65-2125.0

Drawing Title:
URBAN FURNITURE AND LUMINAIRES

Preliminary Design 60%
▶APRIL- 26 -2024◀

Sheet:
L502

Xref ..\..\..\..\04-Design Development\X-REFS\X-Ref Integra Frame 24x36 Phase Information.dwg

Sheet Template ID: OPE-F-07-B

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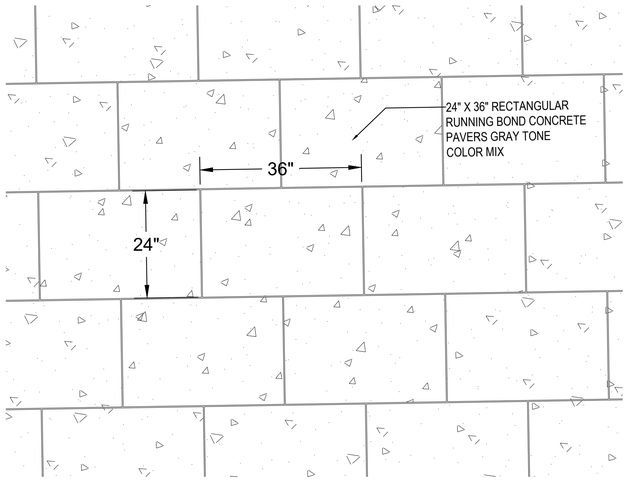

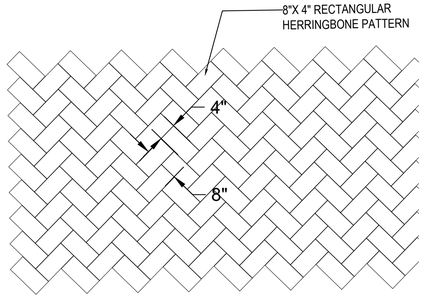

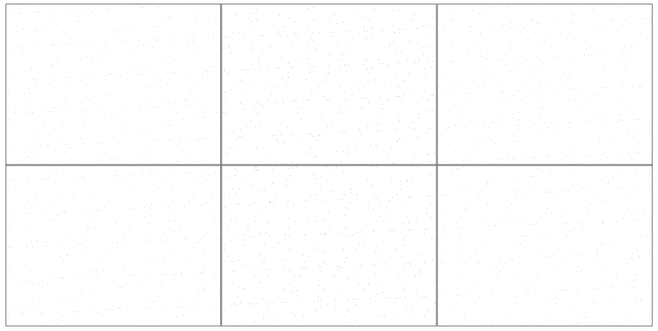

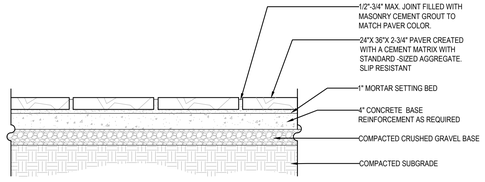

1 A501 **PAVEMENT TYPE 1 (PV-1)**

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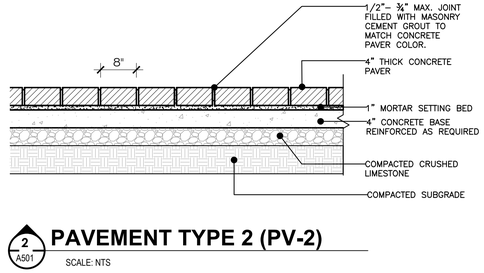

2 A501 **PAVEMENT TYPE 2 (PV-2)**

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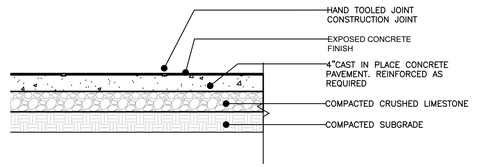
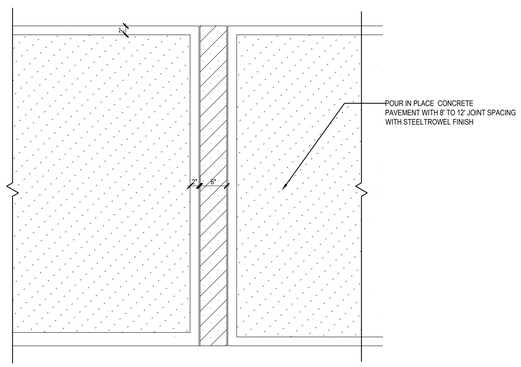


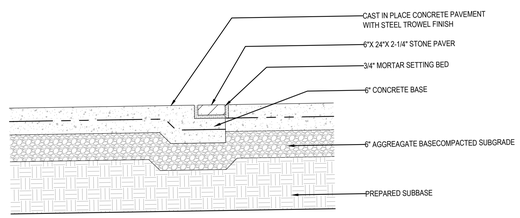
3 L-501 **PAVEMENT TYPE 3 (PV-3)**

SCALE: NTS



4 L-501 **PAVEMENT TYPE 4 (PV-4)**

SCALE: NTS



HARDSCAPE AND FURNITURE SCHEDULE

Hatch	ID	Name/Supplier/Brand/	Size	QTY.	Description
	PV-1	WASSAU TILE H-SERIES	24"x36"x2-3/4"		TYPE: ESTATE CREATED BY COLORING CEMENT MATRIX WITH STANDARD-SIZED AGGREGATE. COLOR-
	PV-2	EXISTING PAVERS ADOQUINES	4" x 8" x 3-1/8"		CONCRETE PAVER (Adoquin) TO MATCH EXISTING PAVERS ON SITE COLOR- GRAY
	PV-3	EXISTING SIDEWALK	4' x 4' Key joint spacing		CAST IN PLACE CONCRETE PAVEMENT WITH EXPOSED CONCRETE FINISH TO MATCH EXISTING PATERN AND COLOR ON SITE
	PV-4	NEW SIDEWALK	8'- 12' Joint spacing with 6"x 24" x 2-1/4" tile		CAST IN PLACE CONCRETE PAVEMENT WITH STEEL TROWEL FINISH

GENERAL NOTES:
ALL FINISHED FLOORS SHALL COMPLY WITH ANSI 137.1-2017, ANSI A326.3, AND ASTM E303 (FLOOR AND ROAD SLIP RESISTANCE), WHICH REQUIRE ALL EXTERNAL PAVEMENT AND RAMPS TO HAVE **A MINIMUM SLIP RESISTANCE OF 0.5 DCOF** FOR AREAS WITH SLOPES LESS THAN 1 IN 12 AND **0.8 DCOF** FOR AREAS STEEPER THAN 1 IN 12.

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Seal:

Revisions:

Number	Date	Description

Project Title:
IMPROVEMENTS TO CALLE 7 PASEO DE DIEGO
REHABILITATION

SAN JUAN, PUERTO RICO
SAN JUAN, PUERTO RICO

Client: MUNICIPIO AUTÓNOMO DE SAN JUAN

Project No.: 65-2125.0

Drawing Title:
HARDSCAPE DETAILS

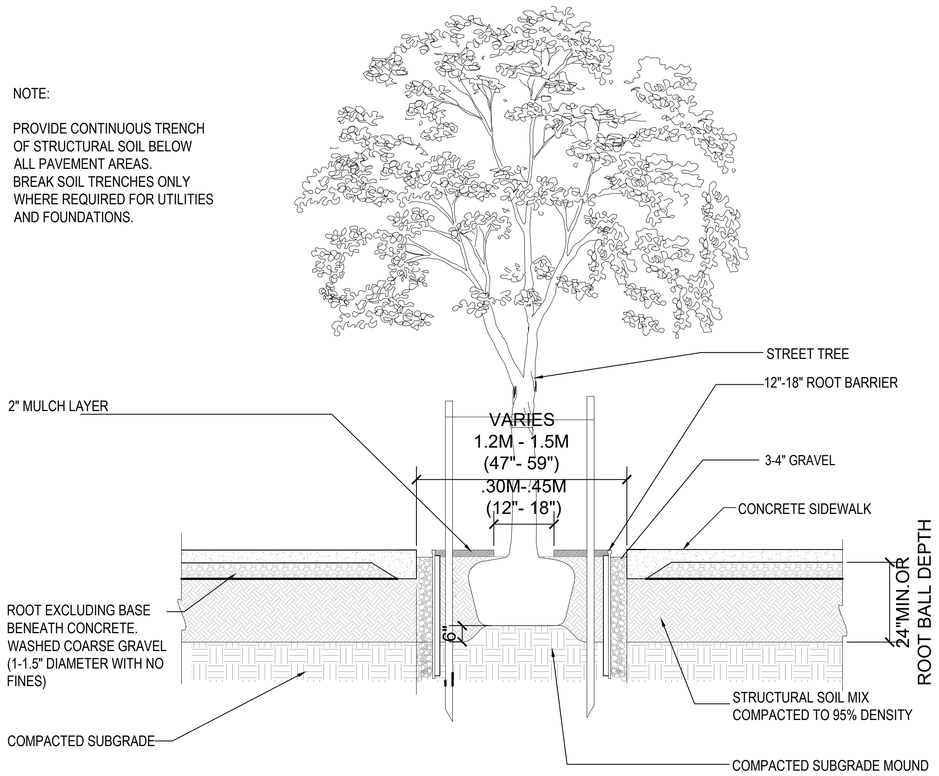
Preliminary Design 60%
▶ APRIL- 26 -2024 ◀

Sheet:
L-501

Sheet Template ID: OPE-F-07-B

NOTE:

PROVIDE CONTINUOUS TRENCH
OF STRUCTURAL SOIL BELOW
ALL PAVEMENT AREAS.
BREAK SOIL TRENCHES ONLY
WHERE REQUIRED FOR UTILITIES
AND FOUNDATIONS.



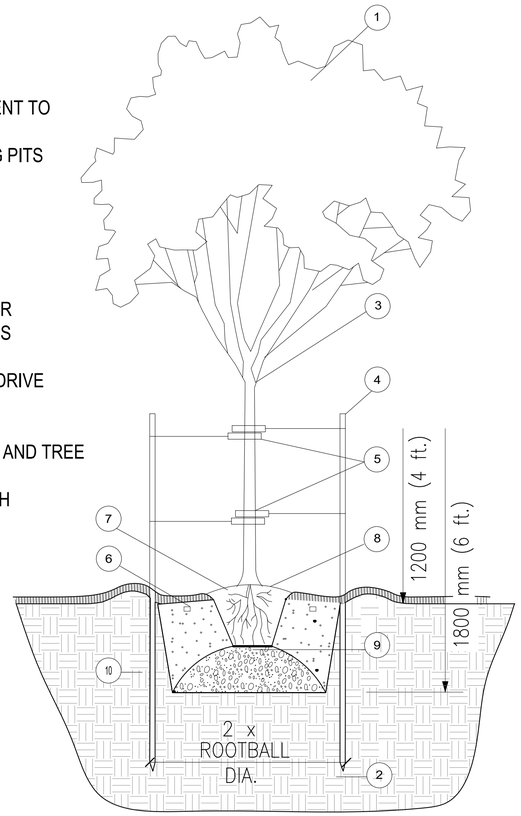
TREE PIT SECTIO APPLICABLE TO NEW TREES IN A ROW

SCALE: N.T.S.

NOTE:

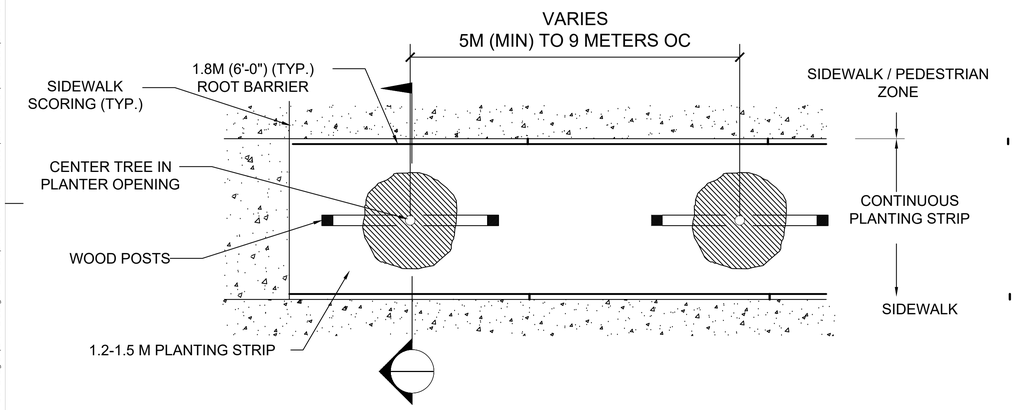
- FINAL TREE STAKING DETAIL AND PLACEMENT TO APPROVED BY LANDSCAPE ARCHITECT
- CONTRACTOR SHALL ASSURE PERCOLATING PITS PRIOR TO INSTALLATION

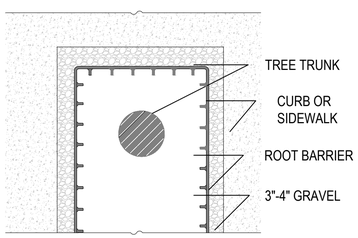
1. TREE PER PLAN
2. PLANTING HOLE SHALL BE TWICE THE DIAMETER OF THE ROOTBALL AND 2" DEEPER
3. TRIM LOWER BRANCHES TO AVOID DAMAGES WITH THE STAKES
4. USE 2 STAKES, 2" DIAMETER, LODGE POLE, DRIVE IN TO BACKFILL NOT THE ROOTBALL. PLACE STAKES PARALLEL TO PREVAILING WINDS
5. CROSS 2 OR 4 TREE TILES BETWEEN STAKE AND TREE
6. FERTILIZER 3" TO 5" DEEP NEAR ROOTBALL
7. SET TOP OF ROOTBALL 1" @ 3" ABOVE FINISH GRADE TO ALLOW SETTLEMENT
8. WATER ROOTBALL AND BACKFILL THOROUGHLY
9. BACKFILL MIX PER SPECIFICATION
10. ORIGINAL SOIL NO AMENDMENTS



TYPICAL TREE PLANTING DETAIL

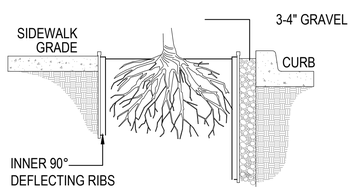
SCALE: N.T.S.





ROOT BARRIER DETAIL

SCALE: N.T.S.



LINEAR APPLICATION

SCALE: N.T.S.

NOTES:

1. EXCAVATE 2 ½ TIMES THE SIZE OF ROOT BALL OR TREE WELL DIEMNSIONS.

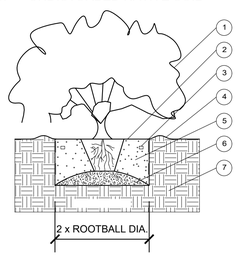
2. CAREFULLY REMOVE AS MUCH OF BURLAP AND BASKET AS POSSIBLE
WITHOUT CAUSING DAMAGE TO ROOTBALL.

4. WOOD POSTS WITH APPROVED TIE STRAPS MAY BE NECESSARY FOR
TREE STABILITY. INSTALL PARALLEL TO CURB.

5.. ROOT BARRIER SHALL BE USED ALONG SIDEWALK / PEDESTRIAN ZONE SIDE OF
STREET TREE.

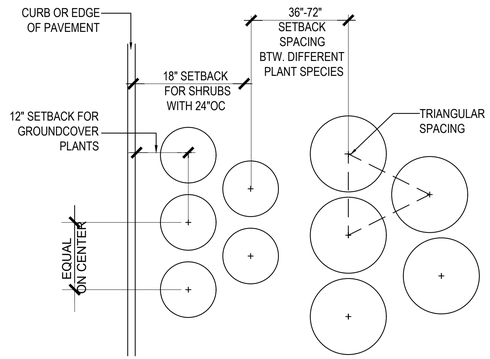
NOTE:
ASSURE PERCOLATING PITS PRIOR
TO INSTALLATION

1. SHRUB PER PLAN
2. SET TOP OF ROOTBALL 3" ABOVE FINISH GRADE TO ALLOW SETTLEMENT
3. FERTILIZER 3" TO 5" DEEP NEAR ROOTBALL
4. 4" HEIGHT WATERING BASIN
5. BACKFILL MIX PER SPECIFICATION
6. MOUND AND COMPACT SOIL NO LESS THAN 6"
7. HEIGHT TO PLACE TOP OF ROOTBALL EVEN WITH GRADE
8. UNDISTURBED NATIVE SOIL



TYPICAL SHRUB PLANTING DETAIL

SCALE: N.T.S.



SHRUB AND GROUNDCOVER PLANTING SPACING

SCALE: N.T.S.

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Seal:

Revisions:

Number	Date	Description

Project Title:
IMPROVEMENTS TO CALLE 7 PASEO
REHABILITATION

SAN JUAN, PUERTO RICO
SAN JUAN, PUERTO RICO

Client: MUNICIPIO AUTÓNOMO DE SAN JUAN

Project No.: 65-2125.0

Drawing Title:
PLANTING SCHEDULES & DETAILS

Preliminary Design 60%
▶ APRIL- 26 -2024 ◀

Sheet:
L-601

File: P:\pr\65-San Juan\2125.0 AE Services Calle - Paseo de Diego\04-Design Development Prelim 60%\06-Land\Landscape Plan-rev; Plotted: 5/10/2024 5:54 PM by YDELGADO; Saved: 5/10/2024 5:46 PM by YDELGADO

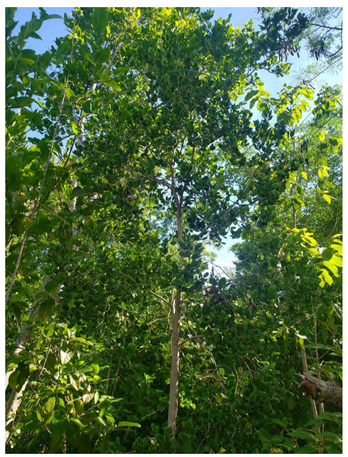
Sheet Template ID: OPE-F-07-B

KEY: Bs
SCIENTIFIC NAME: ***Bursera simaruba***
COMMON NAME: Almácigo
MINIMUM HEIGHT: **12** feet

KEY: Pr
SCIENTIFIC NAME: *Pimenta racemosa*
COMMON NAME: Malagueta
MINIMUM HEIGHT: **12** feet

KEY: Ch
SCIENTIFIC NAME: ***Calliandra haematocephala***
COMMON NAME: Pompón
MINIMUM HEIGHT: **8** feet

KEY: Th
SCIENTIFIC NAME: *Tabebuia heterophylia*
COMMON NAME: Roble Nativo
MINIMUM HEIGHT: **12** feet



KEY: Eb
SCIENTIFIC NAME: *Eugenia* biflora
COMMON NAME: Hoja menuda
MINIMUM HEIGHT: **8** feet

NEW TREES TOTALS SCHEDULE

Symbol	ID	SCIENTIFIC NAME	COMMON NAME	QTY.	SIZE
	Bs	*Bursera simaruba*	Almácigo	6	15 gal.- 10'ht/ full
	Ch	*Calliandra haematocephala*	Pompón	14	15 gal.- 6'ht/ full
	Eb	*Eugenia biflora*	Hoja menuda	8	15 gal.- 6'ht/ full
	Pr	*Pimenta racemosa*	Malagueta	14	15 gal.- 8'ht/ full
	Th	*Tabebuia heterophylla*	Roble Nativo	14	15 gal.- 8'ht/ full

*Botanical name : Prevail over common name

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Seal:

Revisions:

Number	Date	Description

Project Title:
[illegible]
[illegible]

SAN JUAN, PUERTO RICO
SAN JUAN, PUERTO RICO

Client: MUNICIPIO AUTÓNOMO DE SAN JUAN

Project No.: 65-2125.0

Drawing Title:
TREE PLANTING SCHEDULE

Preliminary Design 60%
▶ APRIL- 26 -2024 ◀

Sheet:
L-602

File: P:\or\65-San Juan\2125.0 AE Services Calle - Paseo de Diego\04-Design Development Prelim 60%\06-Land\Landscape Plan-rev; Plotted: 5/10/2024 5:53 PM by YDELGADO; Saved: 5/10/2024 5:46 PM by YDELGADO

Sheet Template ID: OPE-F-07-B

KEY: CA
SCIENTIFIC NAME: Caladium
COMMON NAME: Caladium 'Aaron' Angel Wings
MINIMUM HEIGHT: 1gal - 18" oc.

KEY: IP
SCIENTIFIC NAME: *Iris pseudocarus*
COMMON NAME: Yellow Iris
SIZE: 1gal - 18"- oc.

KEY: CR
SCIENTIFIC NAME: *Clusia rosea nana*
COMMON NAME: Dwarf clusia
SIZE: 2 gal - 8"ht/full- 24" oc. in masses

KEY: DI
SCIENTIFIC NAME: *Dietes iridioides*
COMMON NAME: Dietes
SIZE: 1 gal-12"ht/ min of 3 ppp/full-18"-oc.

KEY: LM
SCIENTIFIC NAME: *Liriope muscari*
COMMON NAME: Lily turf
SIZE: 1gal - 12" oc.

KEY: FM
SCIENTIFIC NAME: *Ficus microcarpa*
COMMON NAME: Ficus
SIZE: 1 gal - 8"ht/full-24" oc. in masses

KEY: HL
SCIENTIFIC NAME: *Bursera simaruba*
COMMON NAME: Hymenocallis latifolia
SIZE: 3 Gal - 18"ht/min of 3ppp/full - 24" oc

KEY: P
SCIENTIFIC NAME: *Philodendron 'Burle Marx'*
COMMON NAME: Philodendron 'Burle Marx'
SIZE: 1 gal - 12"ht- 20" oc.

SHRUB & GROUND COVERS TOTALS PLANTING SCHEDULE

SYMBOL	ID	COMMON NAME	SCIENTIFIC NAME	QTY.	SIZE
	CA	Caladium 'Aaron' Angel Wings	*Caladium*	493	1gal - 18" oc.
	DI	Dietes	*Dietes iridioides*	232	1 gal-12"ht/ min of 3 ppp/full-18"-oc.
	HL	Spider lily	*Hymenocallis latifolia*	171	3 Gal - 18"ht/ min of 3ppp/full - 24" oc
	IP	Yellow Iris	*Iris pseudocarus*	296	1gal - 18"- oc.
	LM	Lily turf	*Liriope muscari*	1,009	1gal - 12" oc.
	P	Philodendron 'Burle Marx'	*Philodendron 'Burle Marx'*	541	1 gal - 12"ht- 20" oc.
	CR	Cupey enano	*Clusia rosea nana*	1,095	2 gal - 8"ht/full- 24" oc. in masses
	FM	Laurel de indias	*Ficus microcarpa*	812	1 gal - 8"ht/full-24" oc. in masses

*Botanical name : Prevail over common name

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Seal:

Revisions:

Number	Date	Description

Project Title:
IMPROVEMENTS TO CASE-7
REHABILITATION

SAN JUAN, PUERTO RICO
SAN JUAN, PUERTO RICO

Client: MUNICIPIO AUTÓNOMO DE SAN JUAN

Project No.: 65-2125.0

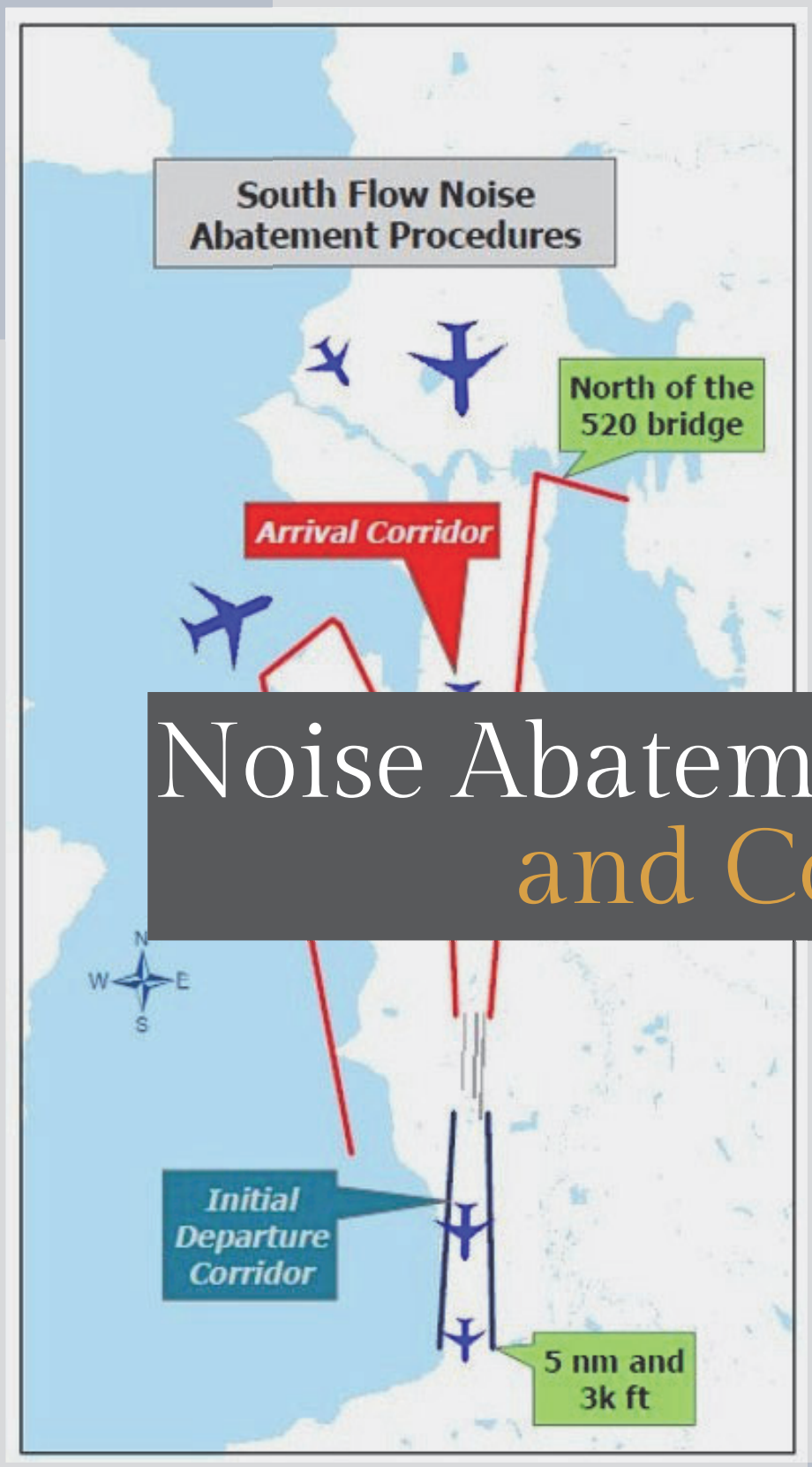
Drawing Title:
SHRUB & GROUND COVER PLANTING SCHEDULE

Preliminary Design 60%
▶APRIL- 26 -2024◀

Sheet:
L-603

File: P:\pr\65-San Juan\2125.0 AE Services Calle - Paseo de Diego\04-Design Development Prelim 60%\06-Land\Landscape Plan-rev; Plotted: 5/10/2024 5:54 PM by YDELGADO; Saved: 5/10/2024 5:46 PM by YDELGADO

EXHIBIT | 12



Noise Abatement and Control

Paseo de Diego

(PR-CRP-000956)

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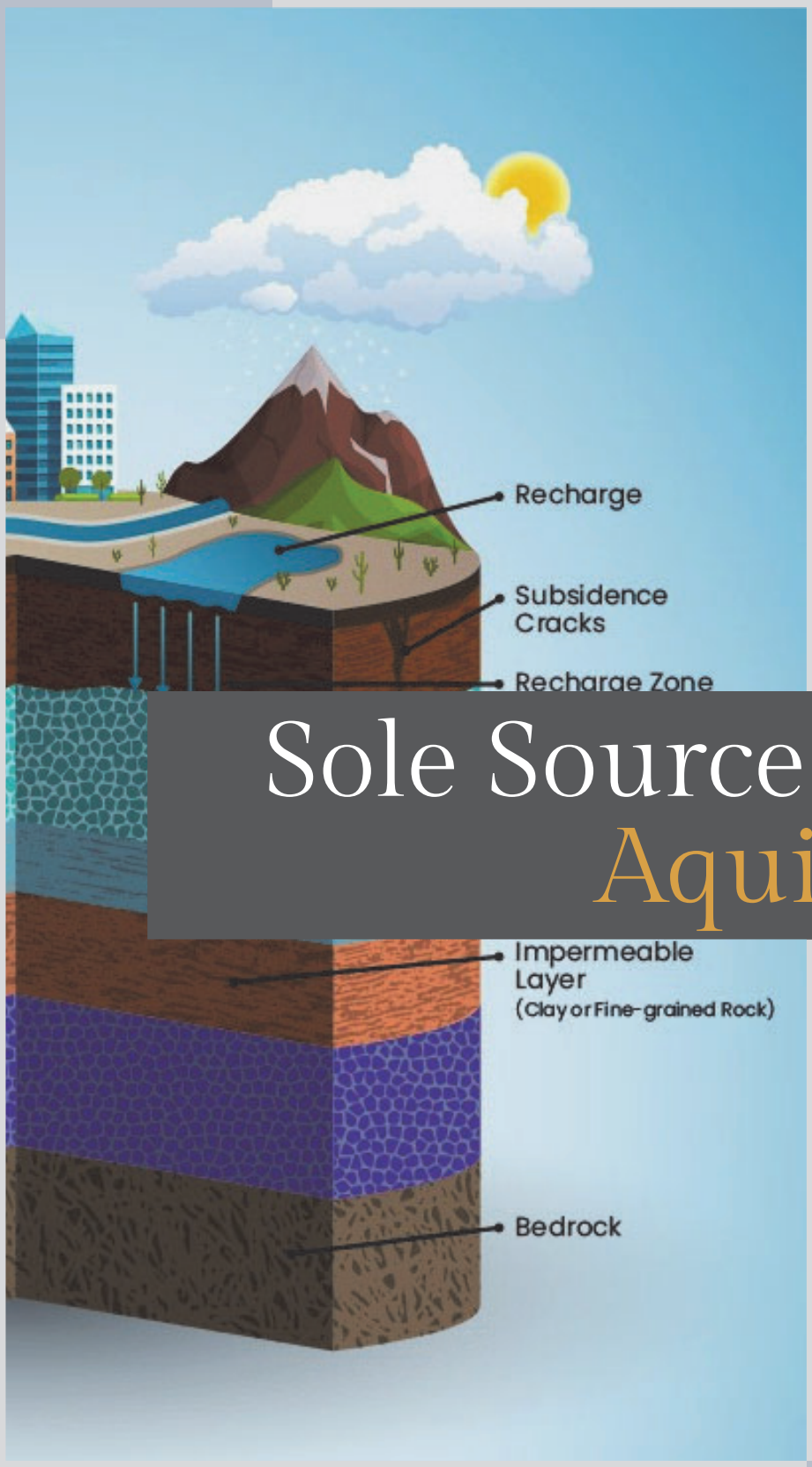
EXHIBIT | 13



Sole Source Aquifers

Paseo de Diego
(PR-CRP-000956)

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Sole Source Aquifer-
(PR-CRP-000956)

Address: Río Piedras ward between the Juan Ponce de León Avenue and Barbosa Avenue in San Juan, Puerto Rico

Coordinates: 18.398447, -66.048053 (WGS 1984)

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5/23/2024, 3:20:59 PM

1:18,489,298

0 145 290 580 mi

0 230 460 920 km

Sole_Source_Aquifers

Spatial Reference:
NAD83 (4269)

Source:
https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=9e

EXHIBIT | 14

National Wetlands Inventory

Paseo de Diego
(PR-CRP-000956)

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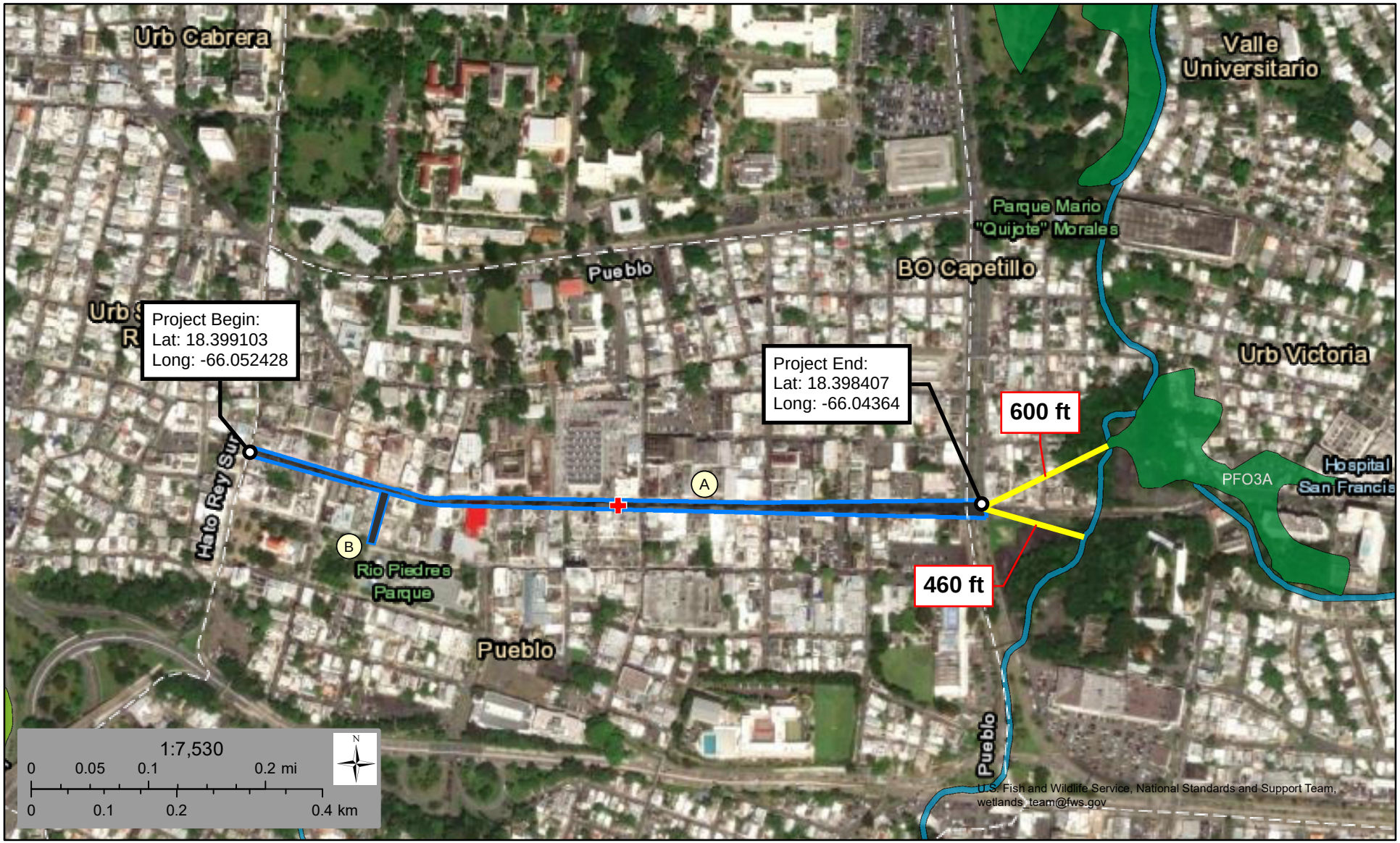
U.S. Fish and Wildlife Service

National Wetlands Inventory

Wetlands - (PR-CRP-000956)

Address: Río Piedras ward between the Juan Ponce de León Avenue and Barbosa Avenue in San Juan, Puerto Rico

Coordinates: 18.398447, -66.048053 (WGS 1984)



August 15, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Project Site Boundary
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Project Site Coordinates
- Lake
- Other
- Riverine

A Street and Paseo de Diego

B Del Carmen St.

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. **Spatial Reference:** Web Mercator (3857)

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National Wetlands Inventory (NWI)

This page was produced by the NWI mapper

Sources: https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/

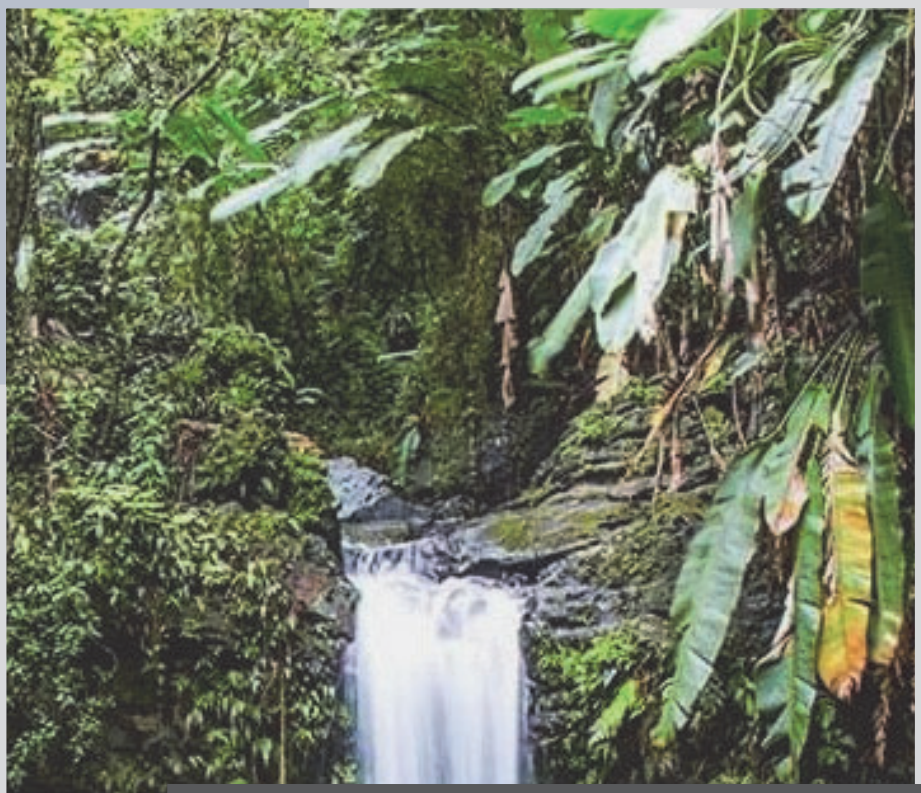

EXHIBIT | 15

Wild and Scenic Rivers

Paseo de Diego

(PR-CRP-000956)

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PO Box 195488 San Juan, PR 00919
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Wild and Scenic Rivers - (PR- CRP-000956)

Address: Río Piedras ward between the Juan Ponce de León Avenue and Barbosa Avenue in San Juan, Puerto Rico

Coordinates: 18.398447, -66.048053 (WGS 1984)

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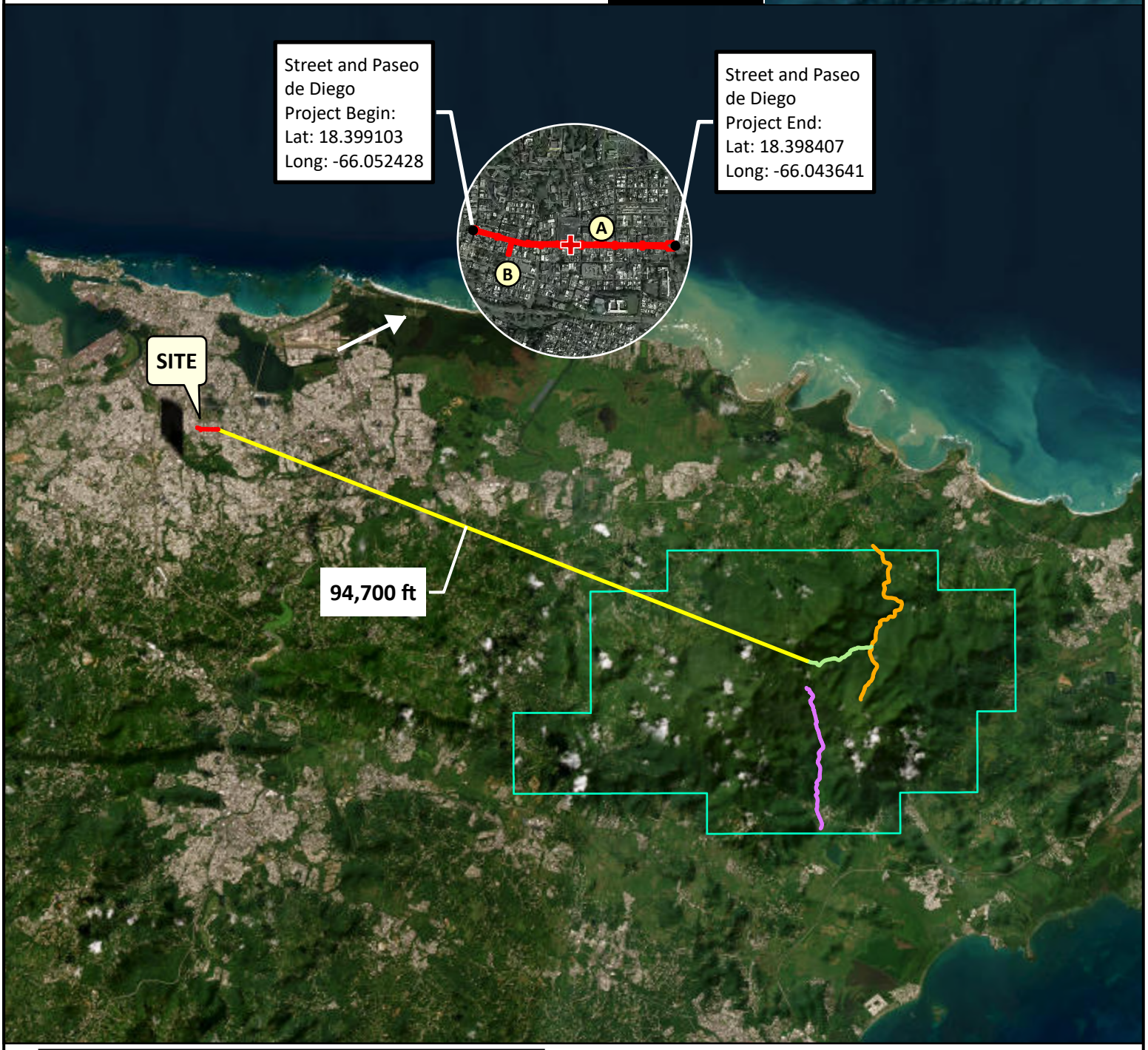

Project Site Boundary
Project Site Coordinates
Distance to Wild and Scenic Rivers

Wild and Scenic Rivers
Rio De La Mina
Rio Icacos
Rio Mameyes

A Street and Paseo de Diego
B Del Carmen St.

N

Scale: 1:255,000

1 inch equals 4 miles

0 3 6 Miles

Spatial Reference:
NAD 1983 StatePlane Puerto Rico Virgin Islands FIPS 5200

Sources: Google Earth. Earthstar Geographics, Maxar.
https://data-usfs.hub.arcgis.com/datasets/71c40a05063f4e6ebec08af558a9145c_0/explore?location=18.258893%2C-65.763507%2C12.02

EXHIBIT | 16

EPA-Environmental Justice

Paseo de Diego
(PR-CRP-000956)

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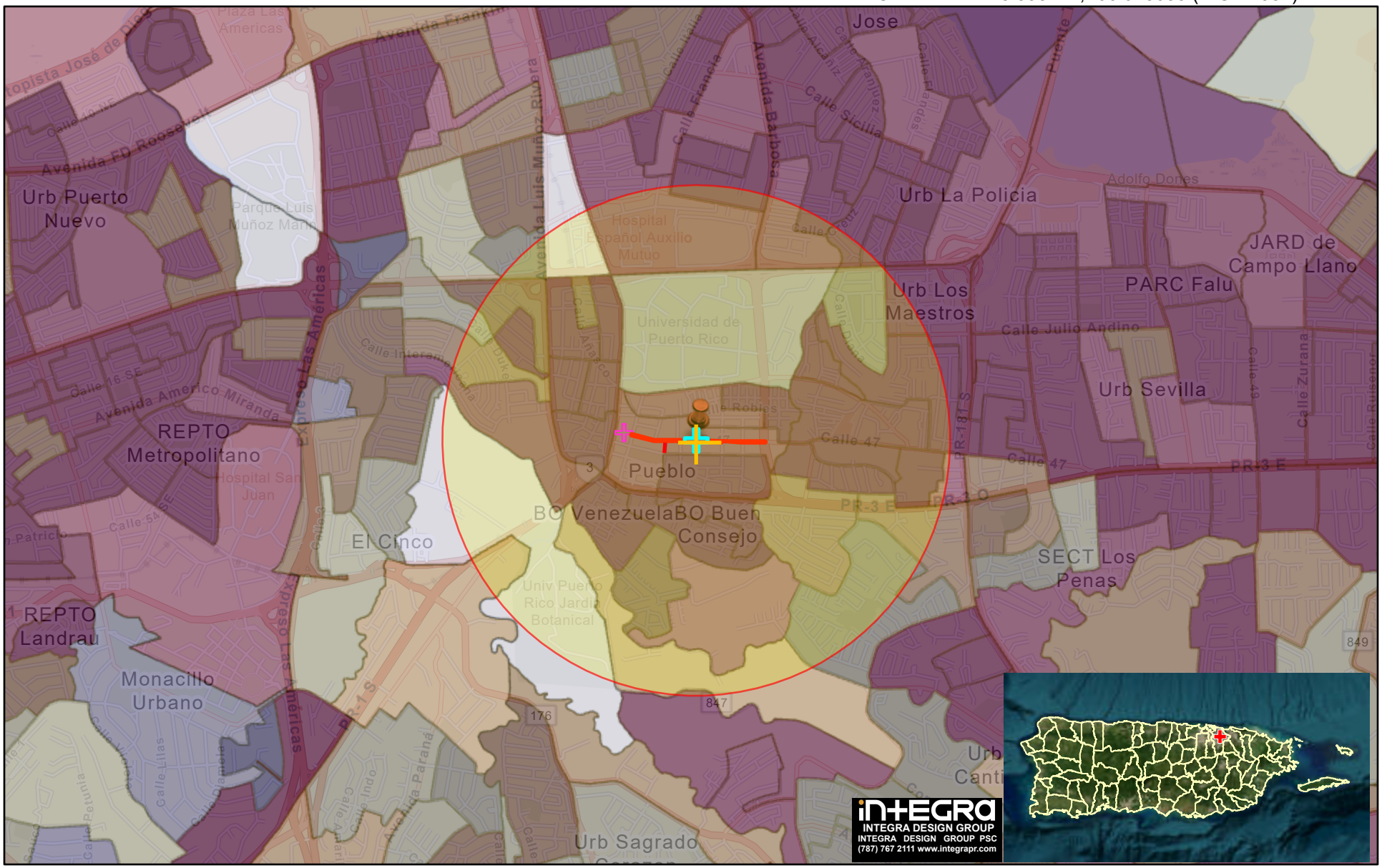
Paseo de Diego (PR-CRP-000956)

Address: Río Piedras ward between the Juan Ponce de León Ave. and Barbosa Ave. in San Juan, Puerto Rico
Coordinates: 18.398447, -66.048053 (WGS 1984)



9/24/2023

- Paseo de Diego Project Limit
- Paseo de Diego Street
- Search Result (point)
- Project Site Coordinates

Population Density (per sq. mile)

- 0 – 299
- > 299 – 1,845
- > 1,845 – 4,090
- > 4,090 – 8,042
- > 8,042 – 312,382

Demographic Index (National Percentiles)

- Less than 50 percentile
- 60 - 70 percentile

Source: https://ejscreen.epa.gov/mapper/

N

1:36,112

0 0.28 0.55 1.1 mi

0 0.45 0.9 1.8 km

EPA, Esri, HERE, Garmin, Foursquare, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, NPS, US Census Bureau

Spatial Reference:
NAD 1983 StatePlane Puerto Rico Virgin Islands FIPS 5200

The site project is located Río Piedras ward between the Juan Ponce de León Avenue and Barbosa Avenue in San Juan, Puerto Rico (Coordinates: 18.398447, -66.048053). The San Juan Municipality and Urban Development (HUD) will allocate HUD and CDBG-DR funds to address the Rehabilitation of the Paseo de Diego Street in San Juan Puerto Rico. The proposed project will provide a more secure and healthy environment for the residents and the community.

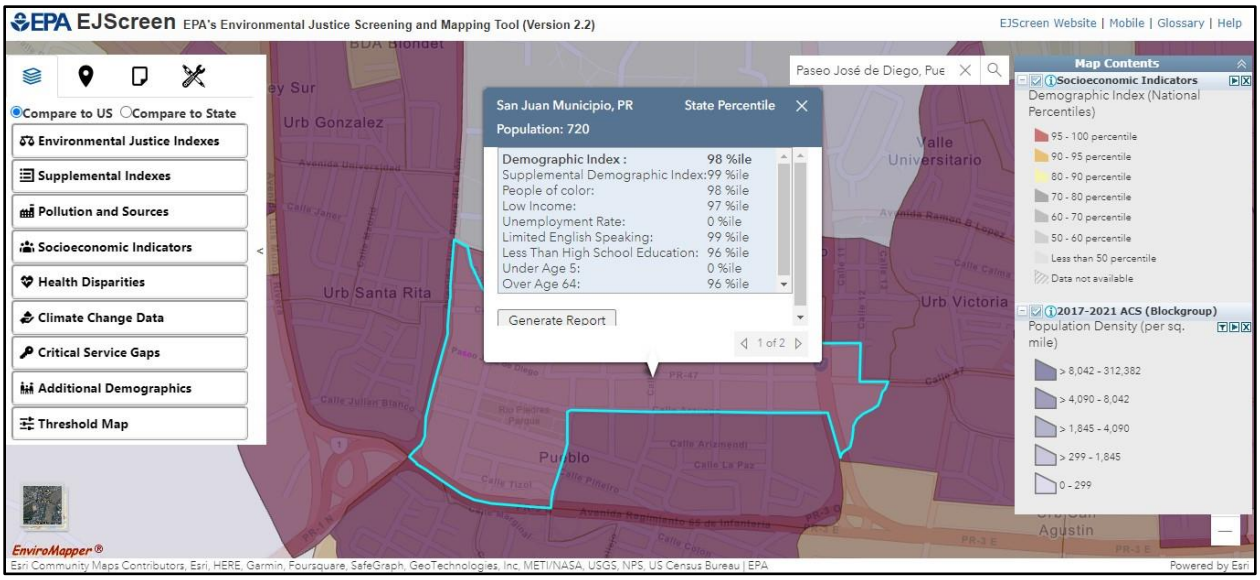


Figure 1 Data from https://ejscreen.epa.gov/mapper/

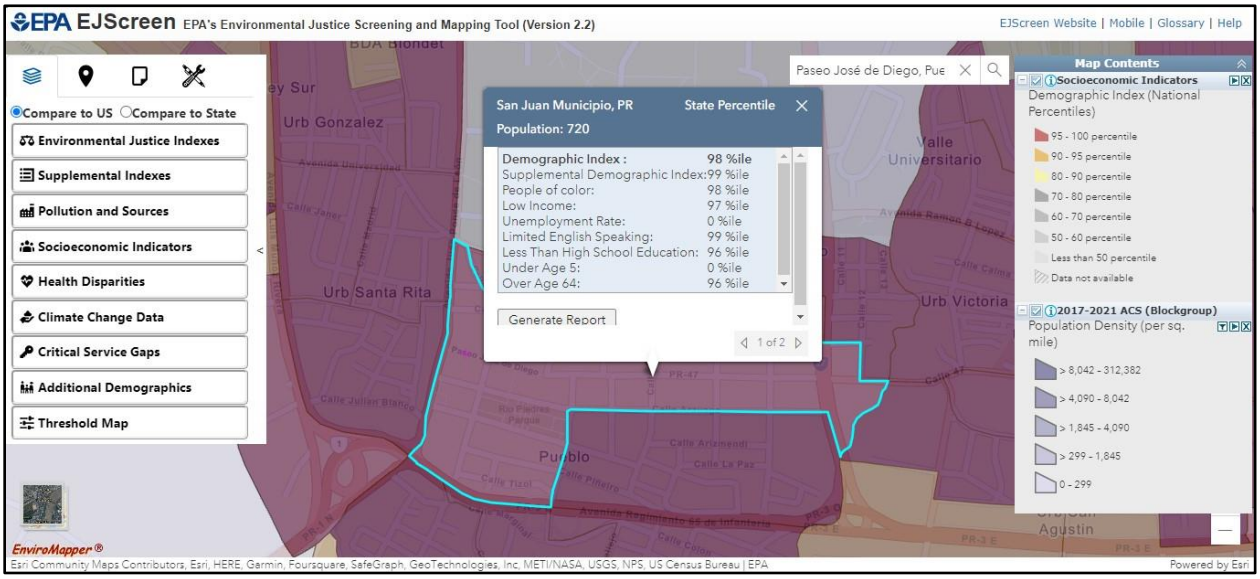


Figure 2 Data from https://ejscreen.epa.gov/mapper/

Based on this data report, it appears that no disproportionate environmental impact to minority or poor population are anticipated with the proposed activities.

EJScreen Community Report

This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

San Juan, PR

1 mile Ring Centered at 18.398470,-66.047530
Population: 24,795
Area in square miles: 3.14

LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	7%
Spanish	93%
Total Non-English	93%

COMMUNITY INFORMATION

- Low income: 70 percent
- People of color: 99 percent
- Less than high school education: 21 percent
- Limited English households: 71 percent
- Unemployment: 17 percent
- Persons with disabilities: 23 percent
- Male: 45 percent
- Female: 55 percent
- N/A — Average life expectancy
- $16,369 — Per capita income
- Number of households: 11,197
- Owner occupied: 46 percent

BREAKDOWN BY RACE

- White: 1%
- Black: 0%
- American Indian: 0%
- Asian: 0%
- Hawaiian/Pacific Islander: 0%
- Other race: 0%
- Two or more races: 0%
- Hispanic: 99%

BREAKDOWN BY AGE

From Ages 1 to 4	3%
From Ages 1 to 18	12%
From Ages 18 and up	88%
From Ages 65 and up	26%

LIMITED ENGLISH SPEAKING BREAKDOWN

Speak Spanish	99%
Speak Other Indo-European Languages	0%
Speak Asian-Pacific Island Languages	0%
Speak Other Languages	0%

Notes: Numbers may not sum to totals due to rounding. Hispanic population can be of any race.
Source: U.S. Census Bureau, American Community Survey (ACS) 2017 -2021. Life expectancy data comes from the Centers for Disease Control.

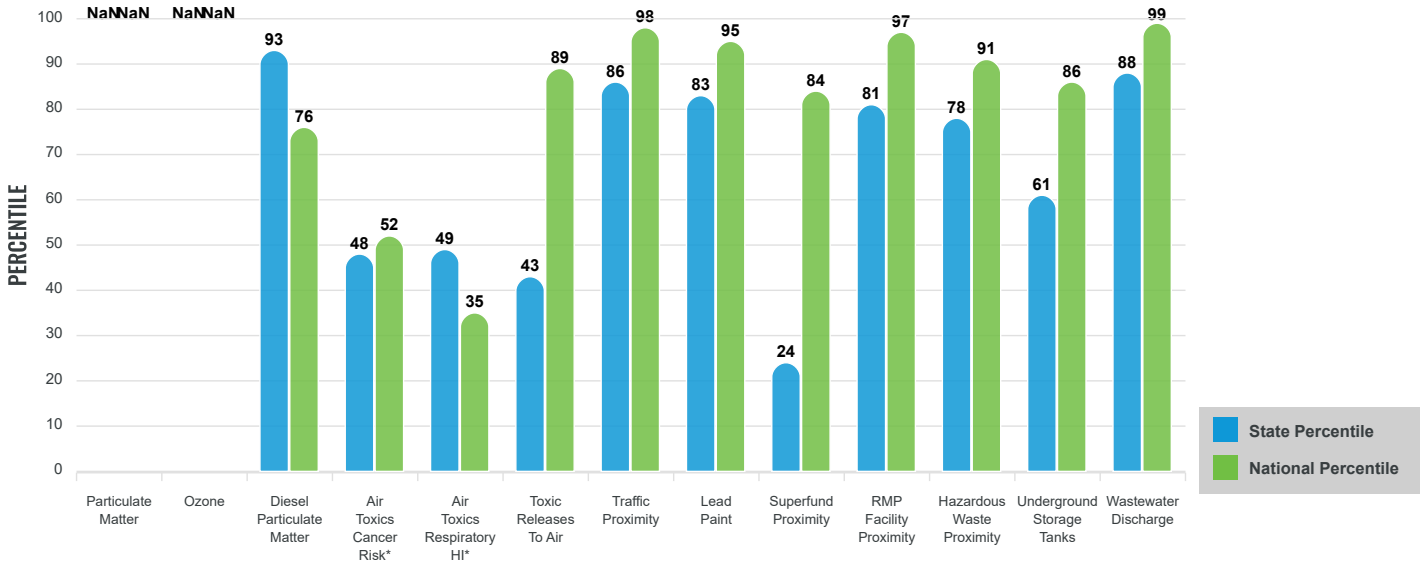
Environmental Justice & Supplemental Indexes

The environmental justice and supplemental indexes are a combination of environmental and socioeconomic information. There are thirteen EJ indexes and supplemental indexes in EJScreen reflecting the 13 environmental indicators. The indexes for a selected area are compared to those for all other locations in the state or nation. For more information and calculation details on the EJ and supplemental indexes, please visit the EJScreen website.

EJ INDEXES

The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator.

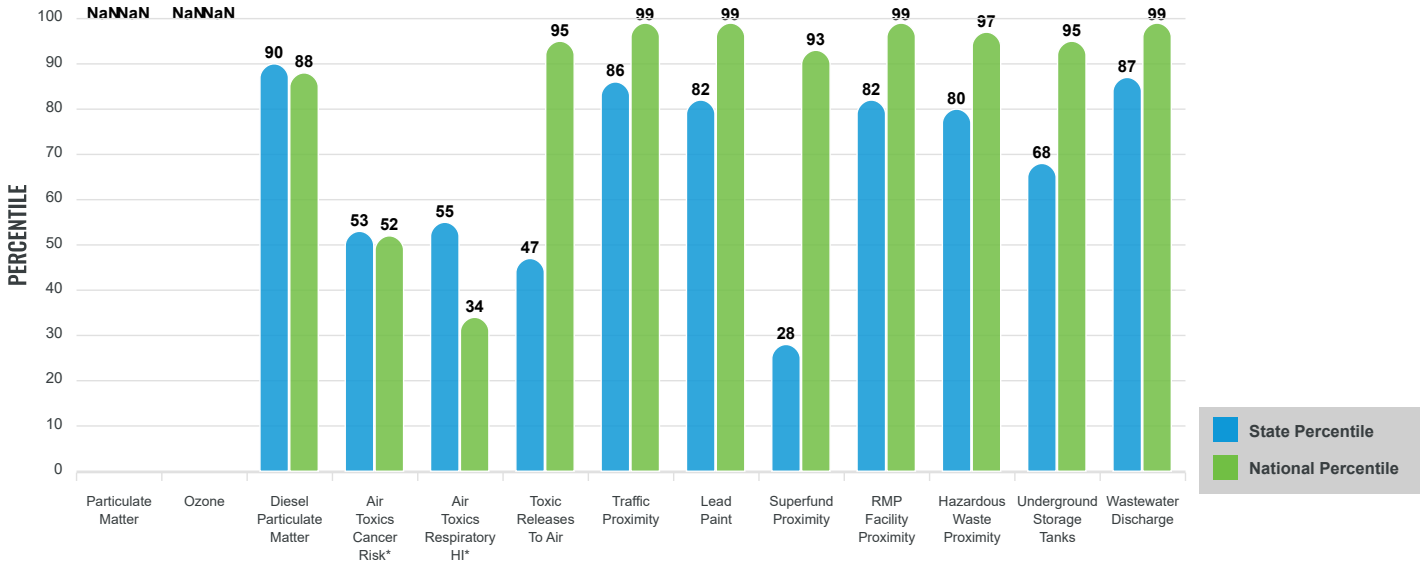
EJ INDEXES FOR THE SELECTED LOCATION



SUPPLEMENTAL INDEXES

The supplemental indexes offer a different perspective on community-level vulnerability. They combine data on percent low-income, percent linguistically isolated, percent less than high school education, percent unemployed, and low life expectancy with a single environmental indicator.

SUPPLEMENTAL INDEXES FOR THE SELECTED LOCATION



These percentiles provide perspective on how the selected block group or buffer area compares to the entire state or nation.

Report for 1 mile Ring Centered at 18.398470,-66.047530

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter (µg/m^3)	N/A	N/A	N/A	8.08	N/A
Ozone (ppb)	N/A	N/A	N/A	61.6	N/A
Diesel Particulate Matter (µg/m^3)	0.166	0.0667	90	0.261	36
Air Toxics Cancer Risk* (lifetime risk per million)	20	20	15	25	5
Air Toxics Respiratory HI*	0.2	0.19	17	0.31	4
Toxic Releases to Air	610	4,300	42	4,600	50
Traffic Proximity (daily traffic count/distance to road)	510	180	91	210	90
Lead Paint (% Pre-1960 Housing)	0.44	0.16	90	0.3	69
Superfund Proximity (site count/km distance)	0.051	0.15	23	0.13	44
RMP Facility Proximity (facility count/km distance)	0.72	0.47	80	0.43	83
Hazardous Waste Proximity (facility count/km distance)	0.98	0.76	76	1.9	61
Underground Storage Tanks (count/km^2)	4.7	1.7	87	3.9	76
Wastewater Discharge (toxicity-weighted concentration/m distance)	1.9	2.3	87	22	93
SOCIOECONOMIC INDICATORS					
Demographic Index	85%	83%	39	35%	97
Supplemental Demographic Index	44%	43%	46	14%	99
People of Color	99%	96%	27	39%	96
Low Income	70%	70%	40	31%	94
Unemployment Rate	17%	15%	63	6%	93
Limited English Speaking Households	71%	67%	51	5%	99
Less Than High School Education	21%	21%	51	12%	82
Under Age 5	3%	4%	47	6%	27
Over Age 64	26%	22%	68	17%	83
Low Life Expectancy	N/A	N/A%	N/A	20%	N/A

*Diesel particulate matter, air toxics cancer risk, and air toxics respiratory hazard index are from the EPA's Air Toxics Data Update, which is the Agency's ongoing, comprehensive evaluation of air toxics in the United States. This effort aims to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that the air toxics data presented here provide broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. Cancer risks and hazard indices from the Air Toxics Data Update are reported to one significant figure and any additional significant figures here are due to rounding. More information on the Air Toxics Data Update can be found at: https://www.epa.gov/haps/air-toxics-data-update.

Sites reporting to EPA within defined area:

Superfund 0
Hazardous Waste, Treatment, Storage, and Disposal Facilities 0
Water Dischargers 7
Air Pollution 1
Brownfields 0
Toxic Release Inventory 0

Other community features within defined area:

Schools 10
Hospitals 2
Places of Worship 0

Other environmental data:

Air Non-attainment ..... No
Impaired Waters ..... Yes

Selected location contains American Indian Reservation Lands* ..... No
Selected location contains a "Justice40 (CEJST)" disadvantaged community ..... Yes
Selected location contains an EPA IRA disadvantaged community ..... Yes

Report for 1 mile Ring Centered at 18.398470,-66.047530

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS

INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	N/A	N/A	N/A	20%	N/A
Heart Disease	N/A	N/A	N/A	6.1	N/A
Asthma	N/A	N/A	N/A	10	N/A
Cancer	N/A	N/A	N/A	6.1	N/A
Persons with Disabilities	22.5%	21.6%	54	13.4%	91

CLIMATE INDICATORS

INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	N/A	N/A	N/A	12%	N/A
Wildfire Risk	N/A	N/A	N/A	14%	N/A

CRITICAL SERVICE GAPS

INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	51%	32%	82	14%	98
Lack of Health Insurance	12%	7%	91	9%	76
Housing Burden	Yes	N/A	N/A	N/A	N/A
Transportation Access	No	N/A	N/A	N/A	N/A
Food Desert	No	N/A	N/A	N/A	N/A

Footnotes

Report for 1 mile Ring Centered at 18.398470,-66.047530

Paseo de Diego (PR-CRP-000956)

Statutatory Checklist

2025

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