



**U.S. Department of Housing and Urban Development**

451 Seventh Street, SW  
Washington, DC 20410  
www.hud.gov

espanol.hud.gov

**Environmental Review for Activity/Project that is Categorically Excluded Subject to Section 58.5  
Pursuant to 24 CFR 58.35(a)**

**Project Information**

**Project Name:** Rehabilitación Plaza de la Revolución de Lares – Plaza Pública (PR-CRP-001088)

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

**State/Local Identifier:** Puerto Rico/Municipality of Lares

**Preparer:** José De La Rosa Reyes

**Certifying Officer Name and Title:**

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

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

**Consultant** (if applicable):

**Direct Comments to:** Puerto Rico Department of Housing at [environmentcdbg@vivienda.pr.gov](mailto:environmentcdbg@vivienda.pr.gov)

**Project Location:** Dr. Pedro Albizu Campos St., Downtown Lares, Lares, PR 00669

Coordinates: 18.29482420, -66.87771951)

Cadaster Number: 158-060-038-01

**Description of the Proposed Project [24 CFR 50.21 & 58.32]:**

This proposal aims to rehabilitate the Plaza with a more open design. The proposed changes include the following:

1. Demolition of surrounding walls, repair, and expansion of the stairs (Calle Don Pedro Albizu Campos and Calle Vilella).

2. New design for the Public Plaza:
  - a. Removal of the existing fountain. A provision will be made for a future time capsule in this space.
  - b. Construction of a new fountain near the Ramón Emeterio Betances bust.
  - c. Removal of cobblestones and replacement with new tiles.
  - d. Demolition of planters for the construction of new ones.
  - e. Installation of a kiosk.
  - f. Installation/relocation of lighting according to the new design.
  - g. Installation/relocation of benches according to the new design.
  - h. Addition of game tables and umbrellas according to the new design.
3. Rehabilitation of the platform:
  - a. Installation of a metal structure with a lightweight roof to prevent the occasional installation of temporary tents.
  - b. Demolition of the ramp and installation of a new one in compliance with the ADA.
4. Electrical system to provide:
  - a. Power for the new café.
  - b. Installation of energy panels around the Plaza to provide safer connections for temporary loads (e.g., holiday decorations, etc.).
  - c. 120 VAC outdoor outlets throughout the Plaza and the platform.
5. Sidewalk improvements to comply with the ADA.
6. When applicable, removal of cut logs.
7. Rehabilitation of the existing mosaic, implementing a maintenance plan.
8. Improvements to the Plaza's drainage system and stormwater system as necessary.
9. Removal of tiles on Calle 23 de Septiembre in front of the Catholic Church and installation of new tiles similar to those to be installed in the Plaza. The level of this area adjacent to the Plaza will be lowered to street level. This will create the effect of the street being an extension of the Plaza.
10. Preparation of a maintenance plan for the existing mosaic.

After the demolition of the ramp, surrounding walls, planters, and fountain, all the plaza floor bricks will be removed, bringing it down 4 to 6 inches below the existing level.

Also, scarification will be performed in Calle 23 de September to remove existing bricks and install new weight-resistant tiles, like the tile used in the plaza.

**Level of Environmental Review Determination:** Categorically Excluded Activities Subject to 58.5 (CEST per 24 CFR 58.35(a)) The repair, reconstruction, replacement and rehabilitation works are consistent with section 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 of more than 20 percent (e.g., replacement of water or sewer lines, reconstruction of curbs and sidewalks, repaving of streets)



**Funding Information**

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

**Estimated Total HUD Funded Amount: \$1,590,710.70****Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$1,590,710.70****Compliance with 24 CFR 50.4, 58.5, and 58.6 Laws and Authorities**

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

<b>Compliance Factors:</b> Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
<b>STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 &amp; 58.6</b>		
<b>Airport Hazards</b>  24 CFR Part 51 Subpart D	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	The closest civilian airport to the project site is Eugenio María de Hostos Airport (MAZ) in Mayagüez, approximately 17.9 miles southwest of the site. The nearest military airport is Luis Muñoz Marín airport at 57.29 miles (302,500.95 feet) to the northeast of the project site. The project is situated more than 15,000 feet from any military airport and more than 2,500 feet from any civilian airport, ensuring compliance with Airport Hazard requirements.  Refer to <b>Attachment 01</b> .
<b>Coastal Barrier Resources</b>  Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	According to the Coastal Barrier Resources System (CBRS) Mapper, the nearest CBRS Unit is PR-79: Peñón Brusi, located approximately 13.6 miles (71,808 feet) north of the project site. The project is in compliance with Coastal Barrier Resources requirements.

		Refer to <b>Attachment 02</b> .
<b>Flood Insurance</b>  Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	According to the FEMA Floodplain Insurance Map, panel 72000C0570H, revised on 4/19/2005 the project is located in flood zone X Unshaded, outside the 100-year floodplain, and would not require flood insurance. The project is in compliance with Flood Insurance requirements. Refer to <b>Attachment 03</b> .
<b>STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 &amp; 58.5</b>		
<b>Clean Air</b>  Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	The scope of the project does not involve new construction, land use conversion, or the development of public, commercial, or industrial facilities, nor does it include the development of five or more dwelling units. The site is within the Municipio of Lares, which is in attainment district for all criteria pollutants the EPA list of NAAQS criteria pollutants for all Puerto Rico Municipalities. The nearest nonattainment district is 14 miles (73,920 feet) from the site. This project is in compliance with the Clean Air Act requirements. Refer to <b>Attachments 4A &amp; 4B</b> .
<b>Coastal Zone Management</b>  Coastal Zone Management Act, sections 307(c) & (d)	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	The proposed action is located in the Municipality of Lares, which is not a coastal community and is situated 68,000 feet from the coastal zone, outside of the Puerto Rico Coastal Vulnerability Area. The project is in compliance with Coastal Zone Management requirements. Refer to <b>Attachment 5</b> .
<b>Contamination and Toxic Substances</b>  24 CFR Part 50.3(i) & 58.5(i)(2)	Yes    No <input checked="" type="checkbox"/> <input type="checkbox"/>	A search of the NEPAssist database identified regulated sites within a 3,000-foot radius of the project site. A search for leaking USTs was also conducted: A review of EPA's UST Finder mapping did not identify any leaking USTs on or within 3,000 feet of the project site. An environmental inspection of the project site, conducted on October 18, 2023, revealed no Recognized Environmental Conditions (RECs). This inspection included a thorough review of potential contaminants and the historical use of the site, which has been utilized as a recreational park since its construction. Historical activities were also reviewed to confirm the absence of residual environmental concerns.

		<p>Within 3,000 feet of the project site, there are three RCRA-listed facilities, no TRI-listed facilities, two NPDES listed facilities, and no Superfund or ACRES listings. The RCRA facilities, including ESSO Standard Oil Co PR SC- 316 (located at 3 Munoz Rivera Ave, Lares, PR 00669) and Farmacia San Jose (located at 3 San Jose St, Lares, PR 00669), are categorized as Very Small Quantity Generators (VSQGs) with no violations or enforcement actions within the last five years, posing minimal risk. Hacienda Planell (located in Lares, PR 00669), listed under the Safe Drinking Water Act, has compliance issues but is located upgradient, reducing its potential impact on the project area. The two NPDES-listed facilities include LARES (Comercio Street) (located on Comercio Street, Lares, PR 00669), a non-major urban stormwater site with an expired permit, and another minimal compliance activity facility, both with no significant violations identified. With no violations reported in the last three years, the facilities' compliance histories, locations, and small scales indicate they are unlikely to pose significant hazards to the project.</p> <p>The nearest regulated site, "Farmacia San José," is located approximately 208 feet away and poses no increased risk to the project.</p> <p>Regarding radon, the proposal involves the construction of open structures. In accordance with CPD-23-103, this exemption means that radon considerations are not applicable to this analysis.</p> <p>Lead-based paint was identified during the inspection on October 23, 2023. Even if not currently hazardous, Lead-based paint requires mitigation planning because renovation or demolition activities could disturb the paint and create lead dust hazards. A Lead-certified professional should be consulted to assess the extent of Lead-based paint and develop a mitigation plan (refer to Attachment 6C for related reports). The general contractor will implement an approved Lead-based paint mitigation plan prior to construction.</p>
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		<p>Additionally, an asbestos inspection was conducted at the project site on October 23, 2023. No suspected asbestos-containing materials (ACM) were identified, and no samples were taken.</p> <p>Site visits were also conducted on January 12, 2024, and February 14, 2024, to further monitor environmental conditions and ensure compliance with all necessary guidelines.</p> <p>Refer to <b>Attachment 6A, 6B, 6C &amp; 6D.</b></p>
<p><b>Endangered Species</b></p> <p>Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</p>	<p>Yes    No</p> <p><input checked="" type="checkbox"/>    <input type="checkbox"/></p>	<p>According to the Official Species List provided by the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) website, the Puerto Rican Boa is listed as a species that may be present at the project site. However, the site is located within an urban area, and no critical habitats are present at this location. The project conforms with the Blanket Clearance Letter criteria for Federally Sponsored Projects, Housing and Urban Development' issued by the USFWS dated Jan 14, 2013. The Self- Certification was prepared, and the U.S. Fish and Wildlife Service (USFWLS) concurred on February 14, 2025. The nearest designated critical habitat is more than 42,179 feet (approximately 8 miles) away from the project site. Project will have no potential to affect to this specie or habitats due to the nature of the activities involved in the project. However, if a Puerto Rican Boa is encountered, work will cease until it moves off the site or, failing that, the Dept of Natural and Environmental Resources (DNER) will be notified to relocate the Boa.</p> <p>The project is in compliance with Endangered Species requirements <a href="https://ipac.ecosphere.fws.gov/guideline/design/population/156/office/41430.pdf">https://ipac.ecosphere.fws.gov/guideline/design/population/156/office/41430.pdf</a>. Refer to <b>Attachments 7A-C.</b></p>
<p><b>Explosive and Flammable Hazards</b></p> <p>24 CFR Part 51 Subpart C</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The proposed project does not include a hazardous facility that mainly stores, handles, or processes flammable or combustible chemicals such as bulk fuel storage facilities. Planned activities in the project area do not include installation of storage tanks. The project would not introduce new residents and would not</p>

		<p>involve an increase in employees or clients. Examination of aerial views and street views show no above ground storage tanks within one mile of the project site. The Project is in compliance with Explosive and Flammable Hazards requirements.</p> <p>Refer to <b>Attachment 8</b>.</p>
<p><b>Farmlands Protection</b></p> <p>Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658</p>	<p>Yes    No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>Project does not include any activities, including new construction, acquisition of undeveloped land or conversion, which could convert agricultural land to a non- agricultural use Based on mapping by the Natural Resources Conservation Service (NRCS) the project site is not located on farmland soils. The Project is in compliance with Farmlands Protection requirements.</p> <p>Refer to <b>Attachments 9A &amp; 9B</b>.</p>
<p><b>Floodplain Management</b></p> <p>Executive Order 11988, particularly section 2(a); 24 CFR Part 55</p>	<p>Yes    No</p> <p><input type="checkbox"/>   <input checked="" type="checkbox"/></p>	<p>The Project site is not in the floodplain, as indicated on the Advisory Base Flood Elevation map. The project site is within the Zone X Unshaded area of minimal flood hazard.</p> <p>The Project is in compliance with Executive Order 11988, particularly section 2(a); 24 CFR Part 55. No formal compliance steps or mitigation are required.</p> <p>Refer to <b>Attachment 10</b>.</p>
<p><b>Historic Preservation</b></p> <p>National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800</p>	<p>Yes    No</p> <p><input checked="" type="checkbox"/>   <input type="checkbox"/></p>	<p>Consultation with the Puerto Rico State Historic Preservation Office (PRSHPO) regarding the Department of Housing of Puerto Rico (PRDOH) Program was initiated on November 5<sup>th</sup>, 2024, with a letter indicating that PRDOH contracted Horne Federal LLC to provide environmental registry review services, among others, that will support the objectives of the agenda for both CDBG-DR and CDBG -MIT Programs.</p> <p>On November 21, 2024, the PRSHPO concurred with a finding of No Adverse Effect upon archaeological monitoring during ground disturbing activities that extend below 6 inches in depth, and the submission of a work plan for review and approval by PRSHPO.</p> <p>An archaeological monitoring work plan was submitted to the PRSHPO on May 29- 2025. The PRSHPO concurred with the work plan on June</p>

		<p>5<sup>th</sup>, 2025, provided notification to the PRSHPO before 48 hours prior the initiation of the ground disturbing activities.</p> <p>This project is in compliance with Historic Preservation requirements.</p> <p>Refer to <b>Attachment 11</b>.</p>
<p><b>Noise Abatement and Control</b></p> <p>Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The noise generated during the construction phase of the project will primarily originate from construction equipment. These noise levels will be temporary and are not expected to exceed 65 dBA. The US Department of Housing and Urban Development (HUD) noise regulations are designed to protect residential properties from excessive noise exposure. However, these regulations do not apply to this project, as it does not involve new construction for residential use or the rehabilitation of an existing residential property. Consequently, the project is in compliance with HUD noise regulations.</p>
<p><b>Sole Source Aquifers</b></p> <p>Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>There are no EPA sole source aquifers in Puerto Rico, nearest sole aquifer is at 985 miles (5,200,800 feet) approximately from project site. Furthermore, the project consists of activities that are unlikely to have an adverse impact on groundwater resources.</p> <p>The project is in compliance with Sole Source Aquifer requirements.</p> <p>Refer to <b>Attachment 12</b>.</p>
<p><b>Wetlands Protection</b></p> <p>Executive Order 11990, particularly sections 2 and 5</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>According to National Wetlands Inventory (NWI) mapping, the nearest wetlands to project site are riverine wetlands approximately 322 feet to the east of the project site. There are no wetlands on or in close proximity to the project site.</p> <p>Therefore, the Project is in compliance with Wetlands Protection requirements.</p> <p>Refer to <b>Attachment 13</b>.</p>
<p><b>Wild and Scenic Rivers</b></p> <p>Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>Puerto Rico has only three Wild and Scenic Rivers (Río Mameyes, Río Icacos and Río De La Mina) , located on the east side of Puerto Rico. The proposed project is located on the south of Puerto Rico, approximately 71.71 miles (378,504.8 feet) southwest of said rivers. There would be no impact to Wild and Scenic Rivers.</p>

		Therefore, the Project is in compliance with Wild and Scenic Rivers requirements. Refer to <b>Attachment 14</b> .
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**Field Inspection (Date and completed by):**

The field inspections for this project were conducted on October 18, 2023, January 12, 2024, and February 14, 2024, by José De La Rosa, the project coordinator for Applied Engineering Group. On October 18, 2023, inspections were carried out to check for the presence of asbestos and Lead-based paint. Additional assessments were performed to evaluate the existing conditions of the project site, and no visible adverse conditions were identified. Refer to Attachment 15 for Field Inspection Reports.

**Summary of Findings and Conclusions:**

The proposed project, which involves enhancements to the existing public plaza of the municipality of Lares, is not expected to result in any adverse effects on the natural or human environment. The site visit confirmed that the upgrades will preserve the environmental integrity of the surrounding area while revitalizing an important community resource. Furthermore, the project is anticipated to yield substantial social and economic benefits for the Municipality of Lares. By addressing the public spaces needs of the local population, the enhanced plaza will provide residents, particularly youth and families, with improved opportunities for passive activities, social engagement, and community events. The project aligns with the Municipality's broader goals of promoting community well-being and economic resilience. The inspection further supports the conclusion that this initiative will have a net positive impact, contributing to the overall quality of life for the residents of Lares.

**Mitigation Measures and Conditions**

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

Law, Authority, or Factor	Mitigation Measure
Endangered Species	If a Puerto Rican Boa is encountered, work will cease until it moves off the site or, failing that, the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Rangers will be notified for safe capture and relocation of the animal, in accordance with the USFWS Puerto Rican Boa Conservation Measures guidelines and the July 27, 2023, Amended Programmatic Biological Opinion.
Contamination and Toxic Substances	Removal of lead base paint following governing local agencies guidelines, regulations and methodology will take place prior to construction.
Historic Preservation	Archaeological monitoring would be conducted during ground disturbing activities. PRSHPO would be notified at least 48 hours in advance of the start date for archaeological monitoring.

**Determination:**

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

Preparer Signature: \_\_\_\_\_

Date: July 2, 2025

Name/Title/Organization: José De La Rosa Reyes

Responsible Entity Agency Official Signature:

Date: July 9, 2025

Name/Title: Mónica M. Machuca Ríos / Permits and Environmental Compliance Specialist

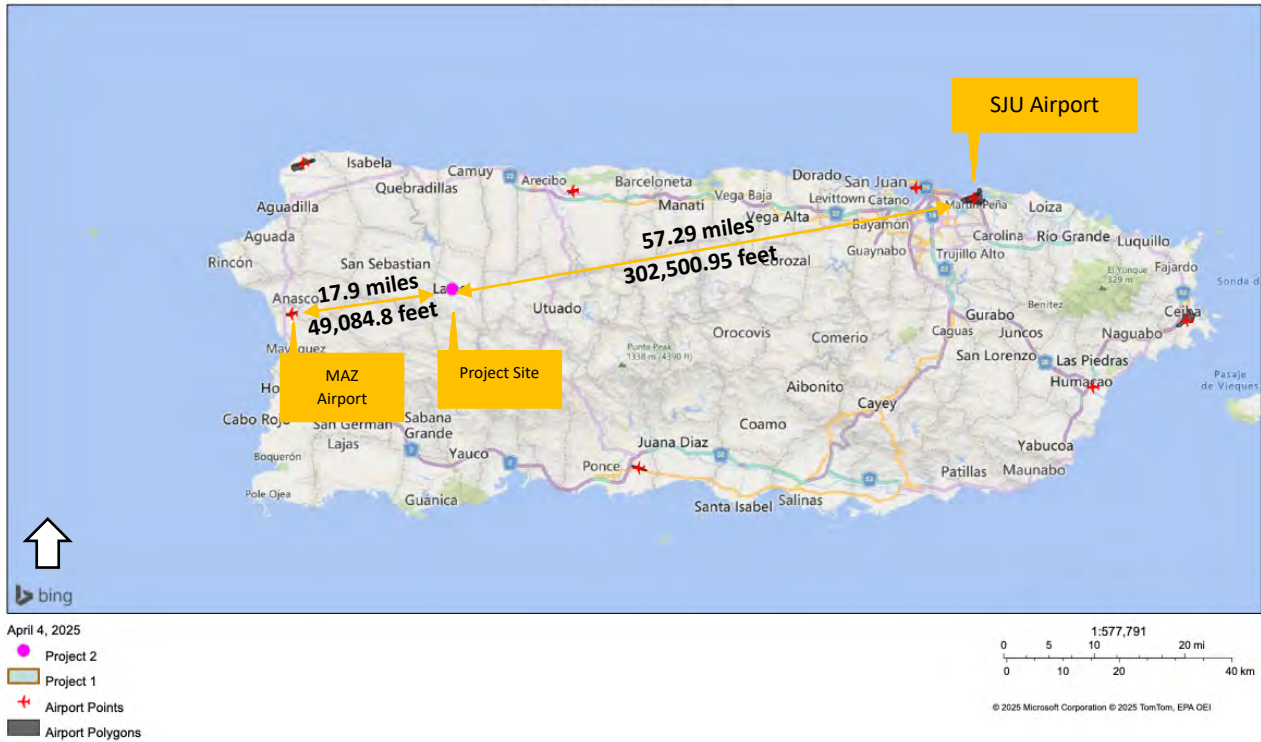
This original, signed document and related supporting material must be retained on file by the Responsible Entity in an Environmental Review Record (ERR) for the activity/project (ref: 24 CFR Part 58.38) and in accordance with recordkeeping requirements for the HUD program(s).



## List of attachments

1	Airport Hazards Map
2	Coastal Barrier Resources Map
3	Flood Insurance Rate Map
4	Clean Air: 4A Non-attainment area Map 4B Greenbook Data
5	Coastal Zone Map
6	Contamination and Toxic Substances: 6A Toxics map with 3,000ft buffer 6B Toxic Summary Table 6C Echo reports 6D Lead-based paint and asbestos report 6F EPA USTs Documentation
7	Endangered Species: 7A Critical Habitat Map 7B Blanket Clearance Letter 7C USFWS Self-Certification package
8	Explosive and Flammables Hazards Map
9	Farmland Classification: 9A PR Planning Board Terrain Use Map 9B USDA Web Soil Survey Map
10	Floodplain Management: FEMA Advisory Base Flood Elevation Map
11	Historic Preservation
12	Sole Source Aquifers Map
13	Wetlands Map
14	Wild & Scenic Rivers Map
15	Field Inspection Report & Photos of Site Conditions

## Airports Hazards



### Attachment 01: Airport Hazards

Project: Rehabilitación Plaza de la Revolución de Lares – Plaza Pública (PR-CRP-001088)

Location: Dr. Pedro Albizu Campos St., Downtown Lares, Lares, PR 00669 (Lat: 18.29482420, Lon: -66.87771951)

Source: NEPPA Assist Tool

Website: <https://nepassisttool.epa.gov/nepassist/nepamap.aspx>

Author: Applied Engineering Group





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

CBRS Map - PR-CRP-001088



April 4, 2025

**CBRS Units**

-  Otherwise Protected Area
-  System Unit

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

This page was produced by the CBRS Mapper

**Attachment 02: Coastal Barrier Resources System Map**

Project: Rehabilitaci3n Plaza de la Revoluci3n de Lares – Plaza P3blica (PR-CRP-001088)

Location: Dr. Pedro Albizu Campos St., Downtown Lares, Lares, PR 00669 (Lat: 18.29482420, Lon: -66.87771951)

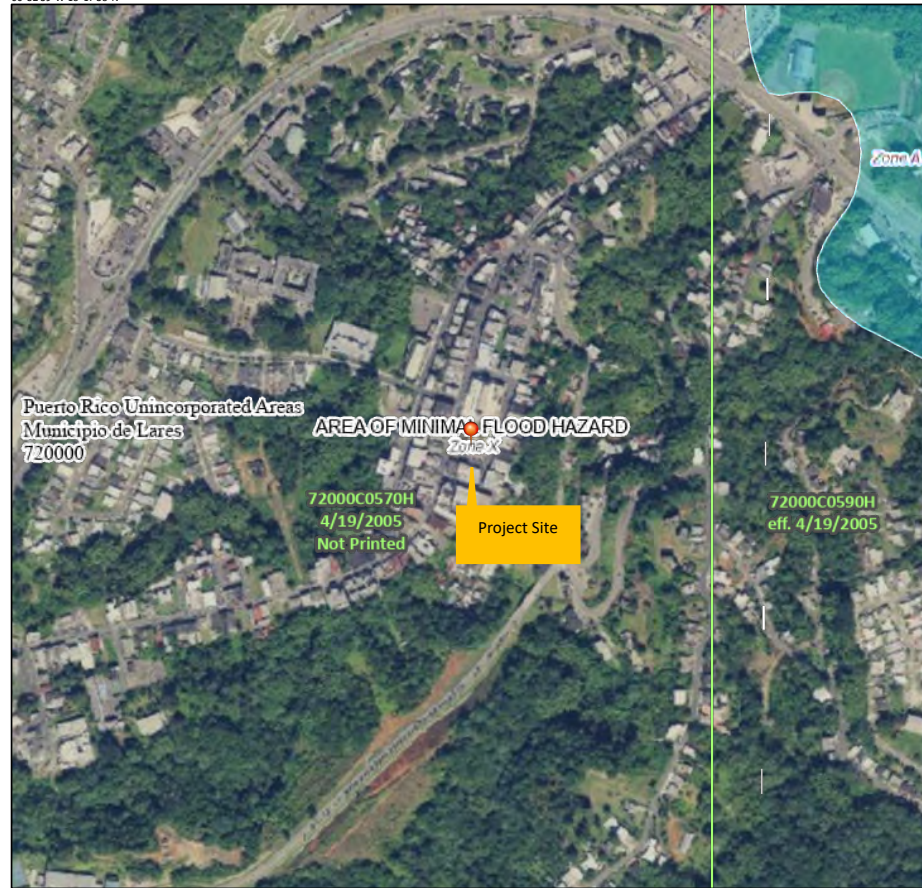
Source: USFWS

Website: <https://fwsprimary.wim.usgs.gov/CBRSMapper-v2/>

Author: Applied Engineering Group

# National Flood Hazard Layer FIRMette

66°52'59"W 18°17'58"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000  
Basemap Imagery Source: USGS National Map 2023

**Legend**

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS	Without Base Flood Elevation (BFE) Zone A, V, AE9 With BFE or Depth Zone AE, AO, AH, VE, AR Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD	<ul style="list-style-type: none"> <li>0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X</li> <li>Future Conditions 1% Annual Chance Flood Hazard Zone X</li> <li>Area with Reduced Flood Risk due to Levee. See Notes. Zone X</li> <li>Area with Flood Risk due to Levee Zone D</li> </ul>
OTHER AREAS	<ul style="list-style-type: none"> <li>NO SCREEN Area of Minimal Flood Hazard Zone X</li> <li>Effective LOMRs</li> <li>Area of Undetermined Flood Hazard Zone D</li> </ul>
GENERAL STRUCTURES	<ul style="list-style-type: none"> <li>Channel, Culvert, or Storm Sewer</li> <li>Levee, Dike, or Floodwall</li> </ul>
OTHER FEATURES	<ul style="list-style-type: none"> <li>Cross Sections with 1% Annual Chance Water Surface Elevation</li> <li>Coastal Tract</li> <li>Base Flood Elevation Line (BFE)</li> <li>Limit of Study</li> <li>Jurisdiction Boundary</li> <li>Coastal Tract Baseline</li> <li>Profile Baseline</li> <li>Hydrographic Feature</li> </ul>
MAP PANELS	<ul style="list-style-type: none"> <li>Digital Data Available</li> <li>No Digital Data Available</li> <li>Unmapped</li> </ul> <p>The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.</p>

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/4/2025 at 8:28 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

## Attachment 03: Flood Insurance Rate Map

Project: Rehabilitaci3n Plaza de la Revoluci3n de Lares – Plaza P3blica (PR-CRP-001088)

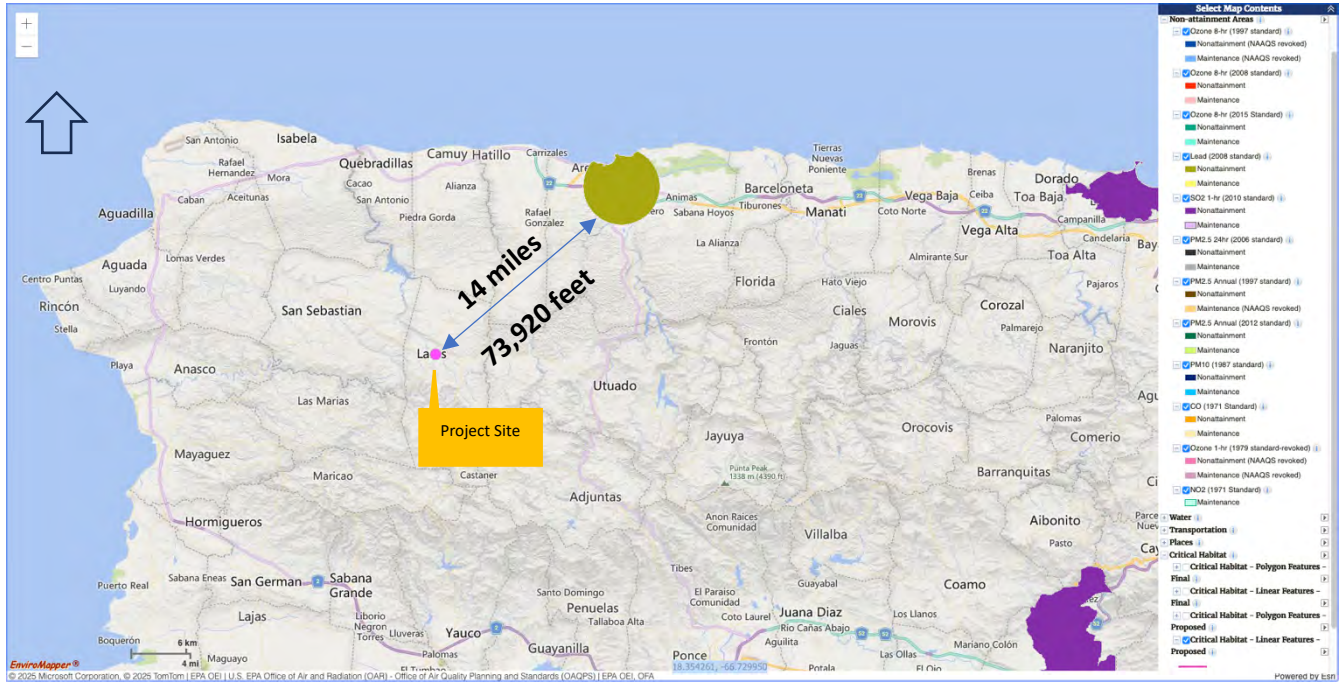
Location: Dr. Pedro Albizu Campos St., Downtown Lares, Lares, PR 00669 (Lat: 18.29482420, Lon: -66.87771951)

Source: FEMA

Website: <https://www.fema.gov/flood-maps>

Author: Applied Engineering Group





#### Attachment 4A: Distance to Nearest Non-Attainment County Map (Clean Air)

Project: Rehabilitaci3n Plaza de la Revoluci3n de Lares – Plaza P3blica (PR-CRP-001088)

Location: Dr. Pedro Albizu Campos St., Downtown Lares, Lares, PR 00669 (Lat: 18.29482420, Lon: -66.87771951)

Source: NEPAAssist Tool

Website: <https://nepassisttool.epa.gov/nepassist/nepamap.aspx>

## Puerto Rico Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants

Data is current as of February 28, 2025

Listed by County, NAAQS, Area. 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<sup>3</sup>) 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



Download National Dataset: [dbf](#) | [xls](#) | [Data dictionary \(PDF\)](#)

Important Notes																			Download National Dataset: <a href="#">dbf</a>   <a href="#">xls</a>   <a href="#">Data dictionary (PDF)</a>																			
County	NAAQS	Area Name	Nonattainment in Year																							Redesignation to Maintenance	Classification	Whole or Part County	Population (2010)	State/County FIPS Codes								
PUERTO RICO																																						
Arecibo Municipio	Lead (2008)	Arecibo, PR												11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	//			Part	32,185	72/013				
Bayamon Municipio	Sulfur Dioxide (2010)	San Juan, PR																							18	19	20	21	22	23	24	25	//			Part	22,921	72/021
Catano Municipio	Sulfur Dioxide (2010)	San Juan, PR																							18	19	20	21	22	23	24	25	//			Whole	28,140	72/033
Guaynabo Municipio	PM-10 (1987)	Mun. of Guaynabo, PR	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09												02/11/2010	Moderate	Part	90,470	72/061		
Guaynabo Municipio	Sulfur Dioxide (2010)	San Juan, PR																							18	19	20	21	22	23	24	25	//			Part	23,802	72/061
Salinas Municipio	Sulfur Dioxide (2010)	Guayama-Salinas, PR																							18	19	20	21	22	23	24	25	//			Part	23,401	72/123
San Juan Municipio	Sulfur Dioxide (2010)	San Juan, PR																							18	19	20	21	22	23	24	25	//			Part	147,963	72/127
Toa Baja Municipio	Sulfur Dioxide (2010)	San Juan, PR																							18	19	20	21	22	23	24	25	//			Part	52,441	72/137

[Important Notes](#)

Go Top

### Attachment 4B: Green Book for PR Nonattainment/Maintenance Status

Project: Rehabilitaci3n Plaza de la Revoluci3n de Lares – Plaza P3blica (PR-CRP-001088)

Location: Dr. Pedro Albizu Campos St., Downtown Lares, Lares, PR 00669 (Lat: 18.29482420, Lon: - 66.87771951)

Source: NEPAassist Tool

Website: <https://nepassisttool.epa.gov/nepassist/nepamap.aspx>

## Puerto Rico Coastal Vulnerability Viewer

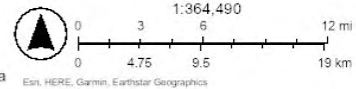


6/23/2023

World Boundaries and Places  
Coastal Zone Land Boundary  
World Imagery

Low Resolution 15m Imagery  
High Resolution 60cm Imagery  
High Resolution 30cm Imagery

Citations  
75m Resolution Metadata



### Attachment 5: Coastal Zone Map

Project: Rehabilitaci3n Plaza de la Revoluci3n de Lares – Plaza P3blica (PR-CRP-001088)

Location: Dr. Pedro Albizu Campos St., Downtown Lares, Lares, PR 00669 (Lat: 18.29482420, Lon: -66.87771951)

Source: Puerto Rico Coastal Vulnerability Zone

Website: <https://www.arcgis.com/apps/MapTools/index.html?appid=e9e1788520a74242852b03494e739ea4>

Prepared By: AEG



## Contamination and toxic substances



April 7, 2025

- Hazardous Waste (RCRAInfo)
- Hazardous Waste (RCRAInfo)
- Water Dischargers (NPDES)
- Project Buffer
- Project 1

1:9,028  
0 0.1 0.2 0.4 mi  
0 0.15 0.3 0.6 km

© 2025 Microsoft Corporation © 2025 Maxar ©CNES (2025)  
Distribution Airbus DS © 2025 TomTom

### Attachment 6A: Toxics Map with 3,000 ft Buffer

Project: Rehabilitación Plaza de la Revolución de Lares – Plaza Pública (PR-CRP-001088)

Location: Dr. Pedro Albizu Campos St., Downtown Lares, Lares, PR 00669 (Lat: 18.29482420, Lon: -66.87771951)

Source: NEPAassist Tool

Website: <https://nepassisttool.epa.gov/nepassist/nepamap.aspx>

Prepared By: Applied Engineering Group



ID	EPA Facility	Distance from Project Site	Direction from Project Site	Description	Compliance Status
1	RCRA	208 ft	N	FARMACIA SAN JOSE 3 SAN JOSE ST, LARES, PR 00669	Non violation identified
2	RCRA	230 ft	SW	ESSO STANDARD OIL CO PR SC-316 3 MUNOZ RIVERA AVE, LARES, PR 00669	Non violation identified
3	SDWA	3,017 ft	W	Hacienda Planell LARES, PR 00669	Violations
4	CWA	3,015ft	W	Lares Comercio Street, Lares, 00669	Unknown

#### **Attachment 6B: EPA Toxics Summary Table**

Project: Rehabilitación Plaza de la Revolución de Lares – Plaza Pública (PR-CRP-001088)

Location: Dr. Pedro Albizu Campos St., Downtown Lares, Lares, PR 00669 (Lat: 18.29482420, Lon: -66.87771951)

Source: EPA ECHO REPORTS

Website: <https://echo.epa.gov/facilities/facility-search/results>

Prepared by: Applied Engineering Group

## Attachment 6C ECHO Reports



# Detailed Facility Report

Facility Summary

**ESSO STANDARD OIL CO PR SC-316**

**3 MUNOZ RIVERA AVE, LARES, PR 00669**

**FRS (Facility Registry Service) ID:** 110014442362

**EPA Region:** 02

**Latitude:** 18.29456

**Longitude:** -66.87853

**Locational Data Source:** FRS

**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, (PRR000015859)

**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		110014442362					N	18.29456	-66.87853
ICIS		600036654					N	18.29432	-66.87854
RCRAInfo	RCRA	PRR000015859	VSQG	Active (H )			N	18.295187	-66.87832

## Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110014442362	ESSO STANDARD OIL CO PR SC-316	3 MUNOZ RIVERA AVE, LARES, PR 00669	Lares Municipio
ICIS		600036654	ESSO S/S #316	MUÑOZ RIVERA ST., LARES, PR 00669	Lares Municipio
RCRAInfo	RCRA	PRR000015859	ESSO STANDARD OIL CO PR SC-316	3 MUNOZ RIVERA AVE, LARES, PR 00669	Lares 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	PRR000015859	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	PRR000015859	No	12/14/2024	0	12/13/2024

## 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: PRR000015859)	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
	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
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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

## Environmental Justice

This section shows indexes from EJScreen, EPA's screening tool for environmental justice (EJ) concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. Use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJScreen provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the EJScreen home page.

### Potential Environmental Justice Concerns

- US Territory
- Supplemental/EJ index percentiles >= 90 (Census block group)
- Supplemental/EJ index percentiles >= 90 (1-mile average)

### EJScreen Indexes Shown

Index Type

Supplemental (default)

### Related Reports

EJScreen Community Report

Download Data

Census Block Group ID: 720819581002	US (Percentile)			State (Percentile)		
	Facility Census Block Group	1-mile Avg	1-mile Max	Facility Census Block Group	1-mile Avg	1-mile Max
Count of Indexes At or Above 90th Percentile	3	6	6	0	0	2
Particulate Matter 2.5	--	N/A	--	--	N/A	--
Ozone	--	N/A	--	--	N/A	--
Diesel Particulate Matter	4	4	5	37	49	57
Air Toxics Cancer Risk	51	35	55	37	0	91
Air Toxics Respiratory Hazard Index	32	36	40	39	67	90
Toxic Releases to Air	85	91	96	18	24	33
Traffic Proximity	98	96	99	73	63	81
Lead Paint	82	94	99	46	68	88
Risk Management Plan (RMP) Facility Proximity	93	97	99	54	65	79
Hazardous Waste Proximity	35	44	61	0	0	6
Superfund Proximity	89	95	98	24	29	48
Underground Storage Tanks (UST)	97	91	99	77	64	91
Wastewater Discharge	53	71	98	3	7	45

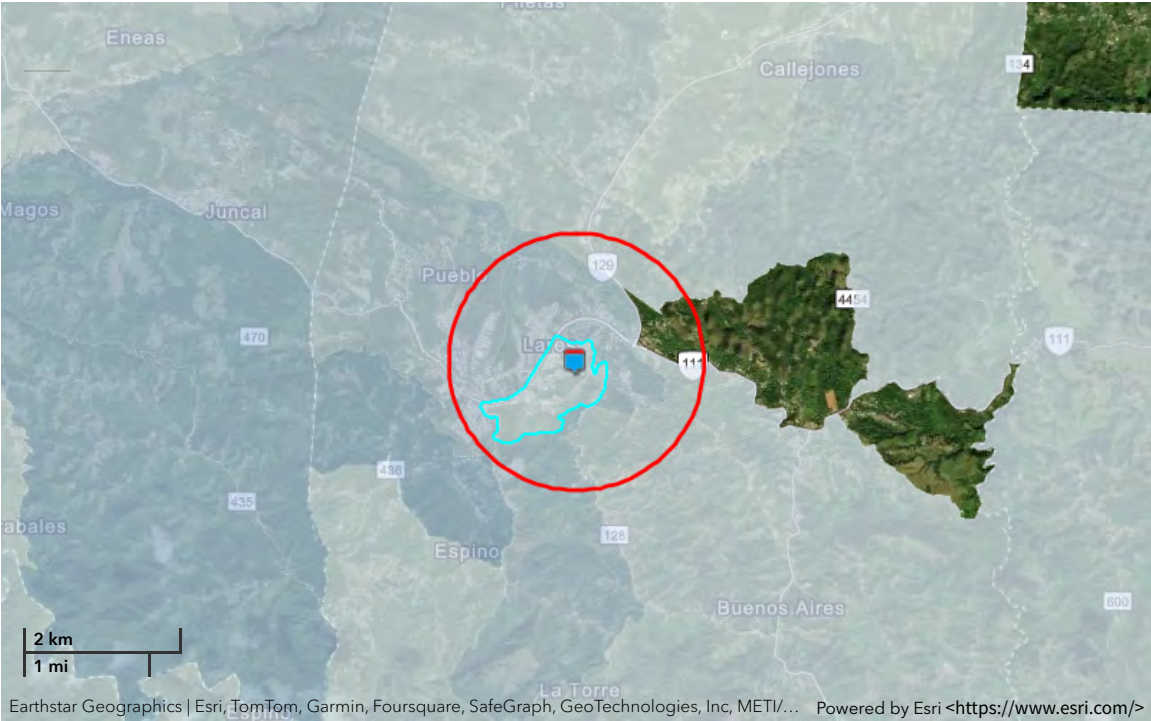
Map Display Based on:

☒ US ☐ State

Display Map Layer 

Summary - Number of Indexes

☐ Facility 1-mile Radius ☐ Facility Census Block Group



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 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfr-data-dictionary#demographic>>.

General Statistics (ACS (American Community Survey))

Total Persons	4,978
Population Density	1,595/sq.mi.
Housing Units in Area	2,589
Percent People of Color	99%
Households in Area	1,892
Households on Public Assistance	73
Persons With Low Income	3,983
Percent With Low Income	81%

Geography

Radius of Selected Area	1 mi.
Center Latitude	18.29456
Center Longitude	-66.87853
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)

Less than \$15,000	831 (43.97%)
\$15,000 - \$25,000	341 (18.04%)
\$25,000 - \$50,000	529 (27.99%)
\$50,000 - \$75,000	152 (8.04%)
Greater than \$75,000	37 (1.96%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)

Children 5 years and younger	141 (3%)
Minors 17 years and younger	762 (15%)
Adults 18 years and older	4,216 (85%)
Seniors 65 years and older	1,245 (25%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)

White	3,870 (78%)
African-American	0 (0%)
Hispanic-Origin	4,919 (99%)
Asian	0 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	2 (0%)
Other/Multiracial	609 (12%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)

Less than 9th Grade	661 (17.36%)
9th through 12th Grade	238 (6.25%)
High School Diploma	994 (26.11%)
Some College/2-year	528 (13.87%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	896 (23.54%)



# Detailed Facility Report

Facility Summary

**FARMACIA SAN JOSE**

**3 SAN JOSE ST, LARES, PR 00669**

**FRS (Facility Registry Service) ID:** 110071140098

**EPA Region:** 02

**Latitude:** 18.29549

**Longitude:** -66.87777

**Locational Data Source:** FRS

**Industries:** Health and Personal Care Stores

**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, (PRR000027094)

**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		110071140098					N	18.29549	-66.87777
RCRAInfo	RCRA	PRR000027094	VSQG	Active (H)			N	18.296529	-66.877142

## Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County



FRS		110071140098	FARMACIA SAN JOSE	3 SAN JOSE ST, LARES, PR 00669	Lares Municipio
RCRAInfo	RCRA	PRR000027094	FARMACIA SAN JOSE	3 SAN JOSE ST, LARES, PR 00669	Lares 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	PRR000027094	446110	Pharmacies and Drug Stores

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	PRR000027094	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
	RCRA (Source ID: PRR000027094)	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
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation											
	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
No data records returned					

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

Formal Enforcement Actions

Last 5 Years

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

Environmental Conditions

Watersheds

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

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
No data records returned										

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
No data records returned				

Pollutants

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

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers
No data records returned								

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

Chemical Name
No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	4,814	Children 5 years and younger	131 (3%)
Population Density	1,542/sq.mi.	Minors 17 years and younger	738 (15%)
Housing Units in Area	2,512	Adults 18 years and older	4,075 (85%)
Percent People of Color	99%	Seniors 65 years and older	1,215 (25%)
Households in Area	1,830		
Households on Public Assistance	75	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	3,846	White	3,756 (78%)
Percent With Low Income	81%	African-American	0 (0%)
		Hispanic-Origin	4,754 (99%)
		Asian	0 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	2 (0%)
		Other/Multiracial	581 (12%)
		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
		Less than 9th Grade	649 (17.63%)
		9th through 12th Grade	233 (6.33%)
		High School Diploma	960 (26.08%)
		Some College/2-year	505 (13.72%)
		B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	866 (23.53%)
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	814 (44.48%)		
\$15,000 - \$25,000	329 (17.98%)		
\$25,000 - \$50,000	499 (27.27%)		
\$50,000 - \$75,000	149 (8.14%)		
Greater than \$75,000	39 (2.13%)		



# Detailed Facility Report

## Facility Summary

### LARES

COMERCIO STREET, LARES, PR 00669

FRS (Facility Registry Service) ID: 110054107809

EPA Region: 02

Latitude: 18.293415

Longitude: -66.886523

Locational Data Source: Zip Code Centroid

Industries: --

Indian Country: N

## Enforcement and Compliance Summary

Statute	CWA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	11/06/2019
Compliance Status	Unknown
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

## Regulatory Information

**Clean Air Act (CAA):** No Information

**Clean Water Act (CWA):** Non-Major, Permit Expired; Compliance Tracking Partially Off (PRR040082)

**Resource Conservation and Recovery Act (RCRA):** No Information

**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		110054107809					N		
ICIS-NPDES	CWA	PRR040082	Non-Major: General Permit Covered Facility	Expired; Compliance Tracking Partially Off	Urban Stormwater (Small MS4)	06/30/2021	N		

## Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110054107809	LARES	COMERCIO STREET, LARES, PR 00669	

ICIS-NPDES	CWA	PRR040082	LARES	COMERCIO STREET, LARES, PR 00669	Lares Municipio
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Facility SIC (Standard Industrial Classification) Codes

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	SIC Code	SIC Description	System	Identifier	NAICS Code	NAICS Description
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No data records returned

No data records returned

Facility Industrial Effluent Guidelines

Facility Tribe Information

Identifier	Effluent Guideline (40 CFR Part)	Effluent Guideline Description	Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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No data records returned

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)
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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	PRR040082	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
CWA (Source ID: PRR040082)		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
	Facility-Level Status	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
	Quarterly Noncompliance Report History	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
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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
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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
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No data records returned

Air Quality Nonattainment Areas

Pollutant				
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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>>.

No demographic profile information available for this facility.



# Detailed Facility Report

Facility Summary  
**HACIENDA PLANELL**  
**LA RES, PR 00669**

**FRS (Facility Registry Service) ID:** 110013062416  
**EPA Region:** 02  
**Latitude:** 18.293415  
**Longitude:** -66.886523  
**Locational Data Source:** Zip Code Centroid  
**Industries:** --  
**Indian Country:** N

## Enforcement and Compliance Summary

Statute	SDWA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	Enforcement Priority
Qtrs in Noncompliance (of 12)	12
Qtrs with Significant Violation	9
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):** No Information  
**Safe Drinking Water Act (SDWA):** OWNER: Private, PRIMARY SERVICE AREA DESCRIPTION: Residential Area, SOURCE: Surface water, TYPE: Community water system Permit Active (PR0242032)  
  
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		110013062416					N		
SDWIS	SDWA	PR0242032	OWNER: Private, PRIMARY SERVICE AREA DESCRIPTION: Residential Area, SOURCE: Surface water, TYPE: Community water system	Active	Population Served: 25		N		

## Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110013062416	HACIENDA PLANELL	PR	Lares Municipio
SDWIS	SDWA	PR0242032	HACIENDA PLANELL	PR	

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)
SDWA	PR0242032	SDWIS		Sanitary Survey, Complete	State	12/22/2022	

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>.

SDWA (Safe Drinking Water Act) Sanitary Survey Results (5 Years)

Source ID	Date	Type	Agency	Data Verification	Distribution	Management Operation	Finished Water Storage	Operator Compliance	Other Evaluation	Pumps	Security	Source	Financial	Treatment
PR0242032	12/22/2022	Sanitary Survey, Complete	State	Z (Not Applicable)	Z (Not Applicable)	Z (Not Applicable)	Z (Not Applicable)	Z (Not Applicable)	Z (Not Applicable)	Z (Not Applicable)	Z (Not Applicable)	Z (Not Applicable)	Z (Not Applicable)	Z (Not Applicable)

Sanitary survey result codes: S = Significant Deficiencies R = Recommendations Made X = Not Evaluated D = Sanitary Defect  
M = Minor Deficiencies N = No Deficiencies or Z = Not Applicable -- = Not Reported to EPA  
Recommendations

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
SDWA	PR0242032	Yes	09/30/2024	12	01/11/2025

Three-Year Compliance History by Quarter

Statute	Violation Type/Category		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12
SDWA (Source ID: PR0242032)			10/01-12/31/21	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
	Facility-Level Status		Violation	Violation	Violation	Enforcement Priority	Enforcement Priority	Enforcement Priority	Enforcement Priority	Enforcement Priority	Enforcement Priority	Enforcement Priority	Enforcement Priority	Enforcement Priority
	Category	Violation Type												
SDWA	MON (Monitoring Violation)	Revised Total Coliform Rule	10/01/2021 - 12/31/2021	01/01/2022 - 03/31/2022	04/01/2022 - 06/30/2022	07/01/2022 - 09/30/2022	10/01/2022 - 12/31/2022	01/01/2023 - 03/31/2023	04/01/2023 - 06/30/2023	07/01/2023 - 09/30/2023	10/01/2023 - 12/31/2023			
SDWA	TT (Treatment Technique Violation)	Surface Water Treatment Rule	01/01/2007	→	→	→	→	→	→	→	→	→	→	

\*Quarter 13 data is voluntarily entered and/or incomplete, and may not form a complete picture for that quarter. Read more <https://epa.gov/help/reports/dfr-data-dictionary#sdwacomp>  
SDWA Compliance Data Last Reported: 09/30/2024

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
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No data records returned

SDWA (Safe Drinking Water Act) Violations and Enforcement Actions (5 Years)

Violations											Enforcement Actions			
Source ID	Noncompliance Period	Violation ID	Federal Rule	Contaminant	Category	Description	Measured Value	State MCL (Maximum Contaminant Level)	Federal MCL (Maximum Contaminant Level)	Status	Date	Category	Description	Agency
PR0242032	10/01/2023 - 12/31/2023	9999984	Revised Total Coliform Rule	Revised Total Coliform Rule	MON	Monitoring Violation	--	--	--	Archived				
PR0242032	07/01/2023 - 09/30/2023	9999983	Revised Total Coliform Rule	Revised Total Coliform Rule	MON	Monitoring Violation	--	--	--	Archived				
PR0242032	04/01/2023 - 06/30/2023	9999982	Revised Total Coliform Rule	Revised Total Coliform Rule	MON	Monitoring Violation	--	--	--	Archived				
PR0242032	01/01/2023 - 03/31/2023	9999981	Revised Total Coliform Rule	Revised Total Coliform Rule	MON	Monitoring Violation	--	--	--	Archived				
PR0242032	10/01/2022 - 12/31/2022	9999980	Revised Total Coliform Rule	Revised Total Coliform Rule	MON	Monitoring Violation	--	--	--	Archived				
PR0242032	07/01/2022 - 09/30/2022	9999979	Revised Total Coliform Rule	Revised Total Coliform Rule	MON	Monitoring Violation	--	--	--	Archived				
PR0242032	04/01/2022 - 06/30/2022	9999978	Revised Total Coliform Rule	Revised Total Coliform Rule	MON	Monitoring Violation	--	--	--	Archived				
PR0242032	01/01/2022 - 03/31/2022	9999977	Revised Total Coliform Rule	Revised Total Coliform Rule	MON	Monitoring Violation	--	--	--	Archived				
PR0242032	10/01/2021 - 12/31/2021	9999976	Revised Total Coliform Rule	Revised Total Coliform Rule	MON	Monitoring Violation	--	--	--	Archived				
PR0242032	04/01/2021 - 06/30/2021	9999975	Revised Total Coliform Rule	Revised Total Coliform Rule	MON	Monitoring Violation	--	--	--	Archived				
PR0242032	02/01/2021 - 02/28/2021	9999974	Revised Total Coliform Rule	Revised Total Coliform Rule	MON	Monitoring Violation	--	--	--	Archived				
PR0242032	01/01/2021 - 01/31/2021	9999973	Revised Total Coliform Rule	Revised Total Coliform Rule	MON	Monitoring Violation	--	--	--	Archived				
PR0242032	01/01/2020 - 06/30/2020	9999972	Revised Total Coliform Rule	Revised Total Coliform Rule	MON	Monitoring Violation	--	--	--	Archived				
PR0242032	10/01/2019 - 12/31/2019	9999971	Revised Total Coliform Rule	Revised Total Coliform Rule	MON	Monitoring Violation	--	--	--	Archived				
PR0242032	01/01/2007 →	9999898	Surface Water Treatment Rule	Surface Water Treatment Rule	TT	Treatment Technique Violation	--	--	--	Addressed	09/13/2006	Formal	Federal Final Administrative Order issued	EPA
PR0242032	--	--	--	--	--	--	--	--	--	--	10/15/1990	Informal	State Boil Water Order	State
PR0242032	--	--	--	--	--	--	--	--	--	--	07/16/1990	Informal	State Boil Water Order	State
PR0242032	--	--	--	--	--	--	--	--	--	--	09/14/1990	Informal	State Boil Water Order	State
PR0242032	--	--	--	--	--	--	--	--	--	--	06/15/1990	Informal	State Boil Water Order	State
PR0242032	--	--	--	--	--	--	--	--	--	--	08/15/1990	Informal	State Boil Water Order	State
PR0242032	--	--	--	--	--	--	--	--	--	--	05/03/1990	Informal	State Boil Water Order	State
PR0242032	--	--	--	--	--	--	--	--	--	--	11/15/2005	Informal	State Violation/Reminder Notice	State
PR0242032	--	--	--	--	--	--	--	--	--	--	09/21/2005	Informal	State Violation/Reminder Notice	State
PR0242032	--	--	--	--	--	--	--	--	--	--	09/15/2005	Informal	State Violation/Reminder Notice	State
PR0242032	--	--	--	--	--	--	--	--	--	--	08/15/2005	Informal	State Violation/Reminder Notice	State
PR0242032	--	--	--	--	--	--	--	--	--	--	07/29/2005	Informal	State Violation/Reminder Notice	State



													notice	
PR0242032	--	--	--	--	--	--	--	--	--	--	06/29/2005	Informal	State Violation/Reminder Notice	State
PR0242032	--	--	--	--	--	--	--	--	--	--	03/08/1990	Informal	State Violation/Reminder Notice	State
PR0242032	--	--	--	--	--	--	--	--	--	--	03/08/1990	Informal	State Public Notification received	State
PR0242032	--	--	--	--	--	--	--	--	--	--	06/13/2002	Informal	State Public Notification issued	State
PR0242032	--	--	--	--	--	--	--	--	--	--	06/13/2002	Informal	State Violation/Reminder Notice	State
PR0242032	--	--	--	--	--	--	--	--	--	--	10/22/2001	Informal	State Violation/Reminder Notice	State
PR0242032	--	--	--	--	--	--	--	--	--	--	08/09/2001	Informal	State Violation/Reminder Notice	State
PR0242032	--	--	--	--	--	--	--	--	--	--	05/19/2001	Informal	State Violation/Reminder Notice	State
PR0242032	--	--	--	--	--	--	--	--	--	--	03/10/2001	Informal	State Violation/Reminder Notice	State
PR0242032	--	--	--	--	--	--	--	--	--	--	11/15/1999	Informal	State Violation/Reminder Notice	State
PR0242032	--	--	--	--	--	--	--	--	--	--	10/05/1999	Informal	State Violation/Reminder Notice	State
PR0242032	--	--	--	--	--	--	--	--	--	--	04/13/1999	Informal	State Violation/Reminder Notice	State
PR0242032	--	--	--	--	--	--	--	--	--	--	11/04/1998	Informal	State Violation/Reminder Notice	State
PR0242032	--	--	--	--	--	--	--	--	--	--	10/06/1998	Informal	State Violation/Reminder Notice	State
PR0242032	--	--	--	--	--	--	--	--	--	--	03/12/1998	Informal	State Violation/Reminder Notice	EPA
PR0242032	--	--	--	--	--	--	--	--	--	--	01/12/1998	Informal	State Public Notification issued	EPA
PR0242032	--	--	--	--	--	--	--	--	--	--	02/17/1998	Informal	State Violation/Reminder Notice	EPA
PR0242032	--	--	--	--	--	--	--	--	--	--	01/12/1998	Informal	State Violation/Reminder Notice	EPA
PR0242032	--	--	--	--	--	--	--	--	--	--	12/05/1997	Informal	State Violation/Reminder Notice	EPA
PR0242032	--	--	--	--	--	--	--	--	--	--	09/05/1997	Informal	State Violation/Reminder Notice	State
PR0242032	--	--	--	--	--	--	--	--	--	--	03/05/1997	Informal	State Violation/Reminder Notice	EPA
PR0242032	--	--	--	--	--	--	--	--	--	--	12/16/1996	Informal	State Violation/Reminder Notice	State

PR0242032	--	--	--	--	--	--	--	--	--	09/30/1989	Informal	State Public Notification received	State
PR0242032	--	--	--	--	--	--	--	--	--	06/10/1996	Informal	State Violation/Reminder Notice	State
PR0242032	--	--	--	--	--	--	--	--	--	04/10/1996	Informal	State Violation/Reminder Notice	State
PR0242032	--	--	--	--	--	--	--	--	--	12/27/1989	Informal	State Violation/Reminder Notice	State
PR0242032	--	--	--	--	--	--	--	--	--	12/07/1995	Informal	State Violation/Reminder Notice	State
PR0242032	--	--	--	--	--	--	--	--	--	12/27/1989	Informal	State Public Notification received	State
PR0242032	--	--	--	--	--	--	--	--	--	09/18/1995	Informal	State Violation/Reminder Notice	State
PR0242032	--	--	--	--	--	--	--	--	--	11/14/1995	Informal	State Violation/Reminder Notice	State
PR0242032	--	--	--	--	--	--	--	--	--	10/04/1995	Informal	State Violation/Reminder Notice	State
PR0242032	--	--	--	--	--	--	--	--	--	09/18/1995	Informal	State Public Notification issued	State
PR0242032	--	--	--	--	--	--	--	--	--	01/10/1995	Informal	State Violation/Reminder Notice	State
PR0242032	--	--	--	--	--	--	--	--	--	09/30/1989	Informal	State Violation/Reminder Notice	State
PR0242032	--	--	--	--	--	--	--	--	--	06/28/1991	Informal	Federal issued Formal Notice of Violation	EPA
PR0242032	--	--	--	--	--	--	--	--	--	07/27/1993	Informal	State Violation/Reminder Notice	State
PR0242032	--	--	--	--	--	--	--	--	--	11/20/1992	Informal	State Formal Notice of Violation issued	State
PR0242032	--	--	--	--	--	--	--	--	--	05/19/1992	Informal	State Formal Notice of Violation issued	State
PR0242032	--	--	--	--	--	--	--	--	--	03/16/1992	Informal	State Formal Notice of Violation issued	State
PR0242032	--	--	--	--	--	--	--	--	--	01/31/1992	Informal	State Formal Notice of Violation issued	State
PR0242032	--	--	--	--	--	--	--	--	--	12/17/1991	Informal	State Formal Notice of Violation issued	State
PR0242032	--	--	--	--	--	--	--	--	--	01/17/1992	Informal	State Formal Notice of Violation issued	State
PR0242032	--	--	--	--	--	--	--	--	--	10/21/1991	Informal	State Formal Notice of Violation issued	State
PR0242032	--	--	--	--	--	--	--	--	--	09/30/1991	Informal	State Formal Notice of Violation issued	State

													issue	
PR0242032	--	--	--	--	--	--	--	--	--	--	09/06/1991	Informal	State Formal Notice of Violation issued	State
PR0242032	--	--	--	--	--	--	--	--	--	--	07/18/1991	Informal	State Formal Notice of Violation issued	State
PR0242032	--	--	--	--	--	--	--	--	--	--	04/08/1991	Informal	State Formal Notice of Violation issued	State
PR0242032	--	--	--	--	--	--	--	--	--	--	03/15/1991	Informal	State Formal Notice of Violation issued	State
PR0242032	--	--	--	--	--	--	--	--	--	--	03/11/1991	Informal	State Formal Notice of Violation issued	State
PR0242032	--	--	--	--	--	--	--	--	--	--	12/15/1990	Informal	State Boil Water Order	State
PR0242032	--	--	--	--	--	--	--	--	--	--	08/23/2011	Informal	State Formal Notice of Violation issued	State

## 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
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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)
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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
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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/dfp-data-dictionary#demographic>>.

**No demographic profile information available for this facility.**

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## Attachment 6D Asbestos and Lead Base Paint Report



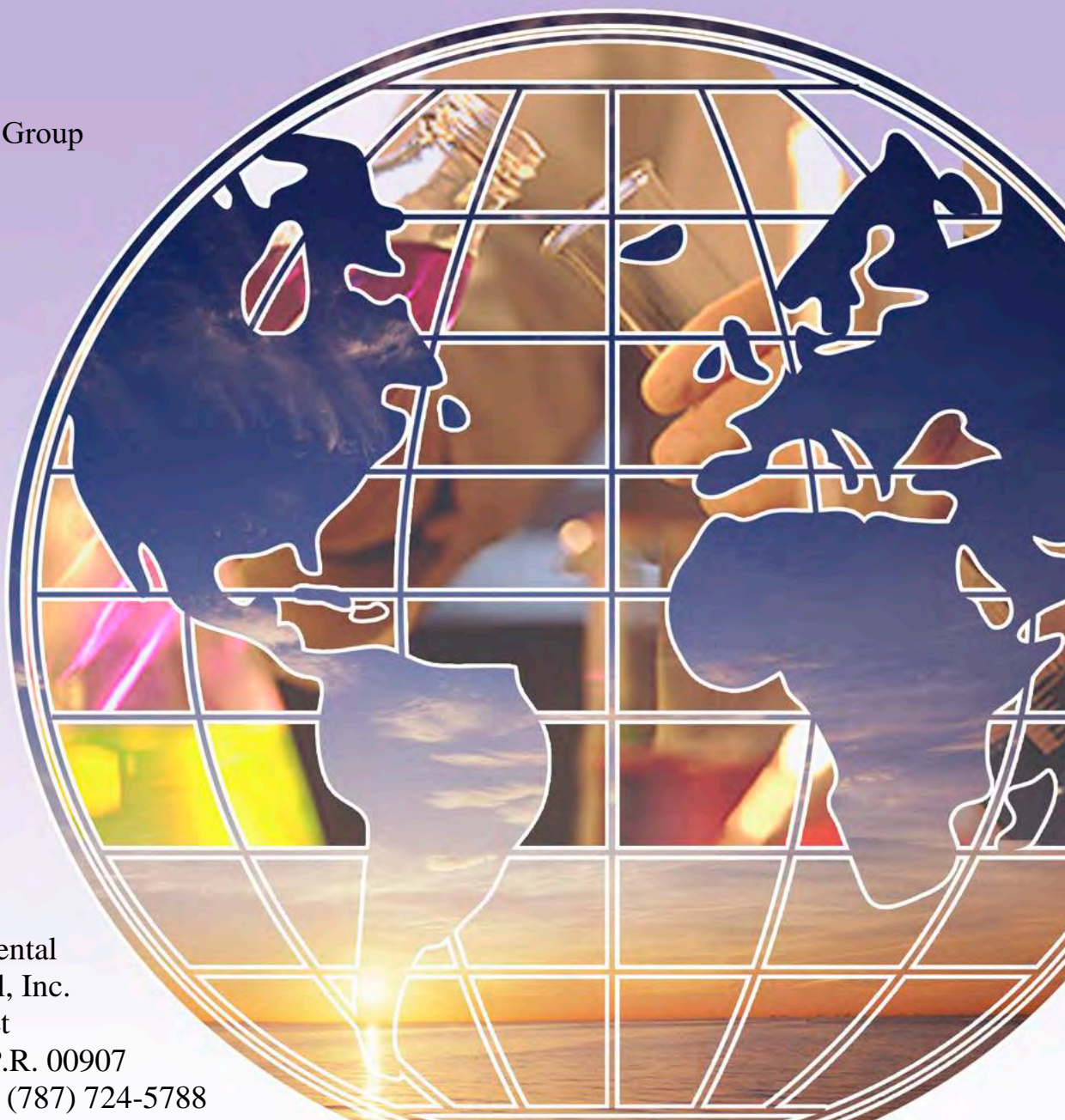
**ENVIRONMENTAL SURVEY  
FOR  
LEAD BASED PAINT (LBP) COMPONENTS  
AND  
ASBESTOS CONTAINING MATERIALS (ACM)  
FOR  
PLAZA DE LA REVOLUCION LARES (PR-CRP-001088)  
LARES, PUERTO RICO**

Prepared For:  
Applied Engineering Group

October 2023

Prepared By:

Analytical Environmental  
Services International, Inc.  
611 Monserrate Street  
2<sup>nd</sup> Floor, Santurce, P.R. 00907  
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# LEAD



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## I. SUMMARY

Analytical Environmental Services International, Inc. (AES International) was contracted to perform an LBP survey for the open Plaza de la Revolución Lares (PR-CRP-001088) located on Pedro Albizu Campos Street, Lares P.R 00669.

The LBP inspection was conducted on 10/27/2023 by Abraham Rodriquez, a DRNA certified LBP inspector.

The following components were found to be painted with LBP:

### Plaza de la Revolución

<b>North</b>	Concrete Curb	Concrete	Yellow	14 sq.ft
	South East	Concrete	Yellow	26 sq.ft
<b>Mosaic</b>	Mosaic	Ceramic	Gray	} 210 sq.ft
		Ceramic	Red	
		Ceramic	Yellow	
<b>Obelisk</b>	Obelisk Area	Concrete	White	240 sq.ft

If demolition, or renovation activities, are conducted in the nearest future it is required to remove all LBP materials that will be affected by said activities.

## **1.0 INTRODUCTION**

Analytical Environmental Services International, Inc. (AES International) was contracted to perform an LBP survey for open Plaza de la Revolución Lares (PR-CRP-001088) located on Pedro Albizu Campos Street, Lares P.R 00669.

The LBP inspection was conducted on 10/27/23 by Abraham Rodriguez, a DRNA/EPA certified lead inspector. The credentials of AESI are attached in Appendix I. The survey, performed with an XRF instrument manufactured by Heuresis, Model Pb200i, was conducted using HUD protocol of 1997, revised in 2012.

## **2.0 TESTING PROCEDURES**

The testing was performed with an XRF instrument manufactured by Heuresis, Model Pb200i (see PCS in Appendix II). The selected mode allows reference to the abatement level set at 1.0 mg/cm<sup>2</sup>. The results are reported at 95% confidence levels.

## **3.0 LEAD BASED PAINT TESTING METHODOLOGY**

The hazard level of lead in paint has been determined by the department of Housing & Urban development as 1.0 mg/cm<sup>2</sup>, as measured by XRF, or AAS (Atomic Absorption Spectroscopy), or 0.5% by weight (or 5000 ppm) as measured by AAS, or Inductive Coupled Plasma (ICP). The same level was adopted by EPA regulations published in 1992, under Title X.

The only lead-based paint testing protocol officially available at this time was published by HUD initially in 1990, revised in 1991 and finalized in 1995 (see above HUD reference). A revised chapter 7 was published in 1997. In accordance with the new protocol, almost all surfaces present in the units have to be tested. The above guidelines were used to perform lead-based-paint testing for this project.

The main steps involved in a single-family inspection are:

1. Perform inventory of all testing combinations
2. Select painted area to be tested
3. Perform XRF testing (including calibration checks)
4. Collect and analyze paint chip samples, for inconclusive results.
5. Classify XRF and paint chips results
6. Review and evaluate the data
7. Report on findings

AES International personnel classify each XRF lead reading as positive, negative, or inconclusive. This classification is based on manufacturer XRF performance characteristic sheet (PCS), for each substrate. Samples and/or additional readings are taken from inconclusive areas. Calibration verification of the instrument was performed prior to beginning of daily task, when

the instrument was turned on, and at the end of the day. The verification was conducted on a NIST standard of 1.0 mg/cm<sup>2</sup>. Acceptance criteria used was  $\pm 0.2$  mg/cm<sup>2</sup>. The data for calibration verification is attached in Appendix III.

At the completion of the testing, ten (10) surfaces were retested to assess precision of the testing. Statistical calculations performed on test-retest results suggest that the results are within the tolerance limits and therefore acceptable.

## **4.0 RESULTS**

### **4.1 Results of XRF inspection**

The results of the tested components are shown in Appendix III. One hundred nineteen (119) XRF readings were taken. LBP components were detected and presented herein.

## **5.0 CONCLUSIONS**

An LBP survey for open Plaza de la Revolución Lares (PR-CRP-001088) located on Pedro Albizu Campos Street, Lares P.R 00669. LBP findings are presented herein.

Some painted surfaces may contain levels of lead below 1.0 mg/cm<sup>2</sup>, which could create lead dust, or lead contaminated soil hazards if the paint is turned into dust by abrasion, scraping, or sanding.

This report shall be kept by the owner and all future owners for the life of the buildings. A copy of the relevant report shall be given to each tenant, buyer or lessor, to comply with federal requirements for disclosure under the lead disclosure rule of 1996 (see also section 1018 of Title X). The LBP survey relates to surfaces accessible and not covered by rigid barriers. Should any hidden painted surfaces or components be present, they must be assumed as LBP.



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Abraham Rodríguez, DRNA Lead Inspector  
Lic. #: LBPI-33622-394

**Table 1. Summary of LBP Positive Components at Plaza de la Revolución  
(PR-CRP-0010088), Lares, PR**

Structure	Room	Components	Substrate	Color	Quantity
<b><u>Plaza de la Revolución</u></b>					
	<b>North</b>				
		Corner Curb	Concrete	Yellow	14 ln.ft
	<b>East</b>				
		Southeast Curb	Concrete	Yellow	26 ln.ft
	<b>Mosaic</b>				
		Mosaic	Ceramic	Green/Red Yellow	} 210 sq.ft
	<b>Obelisk Area</b>				
		Obelisk	Concrete	White	240 sq.ft

# Appendix I





**AIHA Laboratory Accreditation Programs, LLC**  
*acknowledges that*  
**Analytical Environmental Services International, Inc.**  
**611 Monserrate St. Suite 2 Santurce, PR 00907**  
**Laboratory ID: LAP-102702**

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA LAP), LLC accreditation to the ISO/IEC 17025:2017 international standard, General Requirements for the Competence of Testing and Calibration Laboratories in the following:

**LABORATORY ACCREDITATION PROGRAMS**

<input checked="" type="checkbox"/>	INDUSTRIAL HYGIENE	Accreditation Expires: July 01, 2025
<input checked="" type="checkbox"/>	ENVIRONMENTAL LEAD	Accreditation Expires: July 01, 2025
<input type="checkbox"/>	ENVIRONMENTAL MICROBIOLOGY	Accreditation Expires:
<input type="checkbox"/>	FOOD	Accreditation Expires:
<input type="checkbox"/>	UNIQUE SCOPES	Accreditation Expires:
<input type="checkbox"/>	BERYLLIUM FIELD/MOBILE	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2017 and AIHA LAP, LLC requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA LAP, LLC website ([www.aihaaccreditedlabs.org](http://www.aihaaccreditedlabs.org)) for the most current Scope.

A handwritten signature in black ink that reads 'Cheryl O. Morton'.

Cheryl O Morton  
Managing Director, AIHA Laboratory Accreditation Programs, LLC



# United States Environmental Protection Agency

This is to certify that



AES International, Inc.

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint renovation, repair, and painting activities pursuant to 40 CFR Part 745.89

In the Jurisdiction of:

All EPA Administered States, Tribes, and Territories

This certification is valid from the date of issuance and expires November 15, 2025

NAT-87801-3

Certification #

September 04, 2020

Issued On



A handwritten signature in black ink, appearing to read "Michelle Price".

Michelle Price, Chief

Lead, Heavy Metals, and Inorganics Branch



## GOBIERNO DE PUERTO RICO

Departamento de Recursos Naturales y Ambientales

Este certificado es otorgado a:

### Analytical Environmental Services International (AESI)

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-07323-012**

Fecha de emisión: Abril 6, 2023

Fecha de Expiración: Abril 5, 2024



José Roque Juliá  
Jefe  
División Desperdicios Tóxicos



## DRNA Lead Inspector Credentials



# Appendix II



## Performance Characteristic Sheet

**EFFECTIVE DATE:** December 1, 2015

**MANUFACTURER AND MODEL:**

Make: *Heuresis*  
Models: *Model Pb200i*  
Source: *<sup>57</sup>Co, 5 mCi (nominal – new source)*

### FIELD OPERATION GUIDANCE

**OPERATING PARAMETERS:**

Action Level mode

**XRF CALIBRATION CHECK LIMITS:**

0.8 to 1.2 mg/cm <sup>2</sup> (inclusive)
-------------------------------------------

**SUBSTRATE CORRECTION:**

Not applicable

**INCONCLUSIVE RANGE OR THRESHOLD:**

ACTION LEVEL MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm <sup>2</sup> )
Results not corrected for substrate bias on any substrate	Brick	1.0
	Concrete	1.0
	Drywall	1.0
	Metal	1.0
	Plaster	1.0
	Wood	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<sup>2</sup> in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm<sup>2</sup> 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<sup>2</sup> 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<sup>2</sup> 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<sup>2</sup>. 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.

For each substrate type (the 1.02 mg/cm<sup>2</sup> NIST SRM is shown in this example; use the actual lead loading of the NIST SRM used for substrate correction):

$$\text{Correction value} = (1\text{st} + 2\text{nd} + 3\text{rd} + 4\text{th} + 5\text{th} + 6\text{th Reading})/6 - 1.02 \text{ mg/cm}^2$$

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<sup>2</sup>. 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 <sup>2</sup> )	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<sup>2</sup>), 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.



# Appendix III



ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.  
611 Monserrate Street, 2nd. Floor, Santurce, P. R. 00907

**LEAD BASED PAINT TESTING DATA SHEET**

**Client Name:** Applied Engineering  
**Project Name:** LBP Survey for Plaza Revolución de Lares (Project No. PR-CRP-001088)  
**Address:** Lares, Puerto Rico

Date: 10/27/23  
Inspector: Abraham Rodríguez  
XRF Serial No.: 3115

Reading #	Structure	Room	Substrate	Color	Component & Location	XRF Reading	Laboratory Result (% or mg/cm <sup>2</sup> )
1					Calibration	1.0	
2					Calibration	1.0	
3					Calibration	1.0	
4	Plaza de la Revolución	South	Concrete	White	Ramp	0.1	
5	Plaza de la Revolución	South	Concrete	Blue	Curb	0.0	
6	Plaza de la Revolución	South	Concrete	Yellow	Chain Pole	0.1	
7	Plaza de la Revolución	South	Metal	Yellow	Bench Column	0.4	
8	Plaza de la Revolución	South	Concrete	Gray	Base	0.2	
9	Plaza de la Revolución	South	Concrete	Gray	Handrail	0.0	
10	Plaza de la Revolución	South	Metal	Black	Lamp Base	0.0	
11	Plaza de la Revolución	South	Concrete	Red	Back of Upper Wall	0.1	
12	Plaza de la Revolución	South	Concrete	Gray	Garden	0.0	
13	Plaza de la Revolución	South	Metal	Gray	Rail	0.2	
14	Plaza de la Revolución	West	Concrete	Gray	Bench	0.2	
15	Plaza de la Revolución	West	Metal	Gray	Hand Rest	0.1	

**Approved By: Ady Padan Ph.D.**

**Date: 10/27/2023**



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Date: 10/27/23  
Inspector: Abraham Rodríguez  
XRF Serial No.: 3115

Reading #	Structure	Room	Substrate	Color	Component & Location	XRF Reading	Laboratory Result (% or mg/cm <sup>2</sup> )
16	Plaza de la Revolución	West	Ceramic	Green	Between Bench	0.2	
17	Plaza de la Revolución	West	Concrete	Red	Lamp Base	0.1	
18	Plaza de la Revolución	West	Concrete	White	Curb	0.1	
19	Plaza de la Revolución	West	Concrete	Blue	Bench Back Wall	0.1	
20	Plaza de la Revolución	West	Concrete	Cream	Bench Back Wall	0.1	
21	Plaza de la Revolución	West	Concrete	Gray	Bench Back Wall	0.2	
22	Plaza de la Revolución	West	Plastic	Brown	Lamp Base	0.0	
23	Plaza de la Revolución	North	Concrete	Gray	Stairs Base	0.0	
24	Plaza de la Revolución	North	Metal	Gray	Handrail	0.2	
25	Plaza de la Revolución	North	Concrete	Yellow	Corner Curb	<b>1.5</b>	
26	Plaza de la Revolución	North	Concrete	Red	Garden	0.0	
27	Plaza de la Revolución	North	Concrete	Gray	Garden Base	0.1	
28	Plaza de la Revolución	North	Concrete	Gray	Northwest Wall	0.1	
29	Plaza de la Revolución	North	Concrete	Cream	Northwest Wall	0.0	
30	Plaza de la Revolución	North	Concrete	Green	Northwest Wall	0.2	

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XRF Serial No.: 3115

Reading #	Structure	Room	Substrate	Color	Component & Location	XRF Reading	Laboratory Result (% or mg/cm <sup>2</sup> )
31	Plaza de la Revolución	North	Concrete	White	Curb	0.1	
32	Plaza de la Revolución	North	Concrete	Gray	North Wall	0.0	
33	Plaza de la Revolución	North	Concrete	Gray	Northeast Wall	0.2	
34	Plaza de la Revolución	North	Concrete	Cream	Northeast Wall	0.1	
35	Plaza de la Revolución	North	Metal	Cream	Electrical Panel	0.1	
36	Plaza de la Revolución	North	Concrete	Yellow	Northeast Corner Curb	0.1	
37	Plaza de la Revolución	North	Concrete	Red	Northeast Stairs	0.2	
38	Plaza de la Revolución	North	Metal	Black	Handrail	0.2	
39	Plaza de la Revolución	North	Concrete	Gray	Handrail Base	0.1	
40	Plaza de la Revolución	East	Concrete	Gray	Wall near Stairs	0.2	
41	Plaza de la Revolución	East	Concrete	Black	Wall near Stairs	0.1	
42	Plaza de la Revolución	East	Metal	Brown	Wall near Machetes	0.1	
43	Plaza de la Revolución	East	Concrete	Gray	Bench	0.1	
44	Plaza de la Revolución	East	Metal	Green	Bench Hand Rest	0.2	
45	Plaza de la Revolución	East	Ceramic	Green	Bench Divisors	0.2	

**Approved By: Ady Padan Ph.D.**

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 XRF Serial No.: 3115

Reading #	Structure	Room	Substrate	Color	Component & Location	XRF Reading	Laboratory Result (% or mg/cm <sup>2</sup> )
46	Plaza de la Revolución	East	Concrete	Red	Lamp Base	0.1	
47	Plaza de la Revolución	East	Plastic	Brown	Lamp	0.0	
48	Plaza de la Revolución	East	Concrete	Yellow	East Wall Drawings	0.1	
49	Plaza de la Revolución	East	Concrete	Green	East Wall Drawings	0.2	
50	Plaza de la Revolución	East	Concrete	Brown	East Wall Drawings	0.1	
51	Plaza de la Revolución	East	Concrete	White	East Wall Drawings	0.1	
52	Plaza de la Revolución	East	Concrete	Orange	East Wall Drawings	0.3	
53	Plaza de la Revolución	East	Concrete	White	Curbs	0.2	
54	Plaza de la Revolución	East	Concrete	Gray	East Wall	0.2	
55	Plaza de la Revolución	East	Concrete	Blue	East Wall	0.1	
56	Plaza de la Revolución	East	Metal	Brown	East Wall Railing	0.0	
57	Plaza de la Revolución	East	Concrete	Yellow	Southeast Curb	<b>2.1</b>	
58	Plaza de la Revolución	East	Concrete	Blue	Southeast Ramp	0.2	
59	Plaza de la Revolución	East	Ceramic	Blue	Southeast Sign	0.0	
60	Plaza de la Revolución	South	Concrete	Blue	Lamp Base	0.1	

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XRF Serial No.: 3115

Reading #	Structure	Room	Substrate	Color	Component & Location	XRF Reading	Laboratory Result (% or mg/cm <sup>2</sup> )
61	Plaza de la Revolución	South	Plastic	Brown	Lamp	0.0	
62	Plaza de la Revolución	Center	Concrete	Gray	Garden	0.2	
63	Plaza de la Revolución	Center	Concrete	Gray	Garden Base	0.1	
64	Plaza de la Revolución	Center	Wood	Blue	Bench	0.1	
65	Plaza de la Revolución	Center	Wood	Red	Bench	0.1	
66	Plaza de la Revolución	Center	Wood	White	Bench	0.2	
67	Plaza de la Revolución	Center	Metal	Brown	Bench	0.4	
68	Plaza de la Revolución	Ramón Betances	Concrete	Gray	Dike	0.2	
69	Plaza de la Revolución	Ramón Betances	Concrete	Blue	Monument	0.2	
70	Plaza de la Revolución	Ramón Betances	Concrete	Red	Monument	0.1	
71	Plaza de la Revolución	Ramón Betances	Concrete	White	Monument	0.2	
72	Plaza de la Revolución	Ramón Betances	Metal	Brown	Plaque	0.6	
73	Plaza de la Revolución	Fountain	Concrete	Gray	South Wall	0.2	
74	Plaza de la Revolución	Fountain	Ceramic	Cream	South Wall	0.0	
75	Plaza de la Revolución	Fountain	Concrete	Green	Base	0.2	

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Reading #	Structure	Room	Substrate	Color	Component & Location	XRF Reading	Laboratory Result (% or mg/cm <sup>2</sup> )
76	Plaza de la Revolución	Fountain	Concrete	Gray	Light Wall	0.0	
77	Plaza de la Revolución	Fountain	Ceramic	White	Light Wall	0.0	
78	Plaza de la Revolución	Fountain	Concrete	Green	Base	0.1	
79	Plaza de la Revolución	Fountain	Concrete	Gray	North Wall	0.2	
80	Plaza de la Revolución	Fountain	Ceramic	Cream	North Wall	0.1	
81	Plaza de la Revolución	Fountain	Concrete	Green	Base	0.2	
82	Plaza de la Revolución	Fountain	Concrete	Cream	East Wall	0.2	
83	Plaza de la Revolución	Fountain	Ceramic	Cream	East Wall	0.1	
84	Plaza de la Revolución	Fountain	Concrete	Green	Base	0.1	
85	Plaza de la Revolución	Mosaic	Ceramic	Blue	Mosaic	0.1	
86	Plaza de la Revolución	Mosaic	Ceramic	Green	Mosaic	<b>1.8</b>	
87	Plaza de la Revolución	Mosaic	Ceramic	Red	Mosaic	<b>13.7</b>	
88	Plaza de la Revolución	Mosaic	Ceramic	Yellow	Mosaic	<b>3.2</b>	
89	Plaza de la Revolución	Mosaic	Ceramic	White	Mosaic	0.1	
90	Plaza de la Revolución	Mosaic	Ceramic	Black	Mosaic	0.4	

**Approved By: Ady Padan Ph.D.**

**Date: 10/27/2023**

ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.  
611 Monserrate Street, 2nd. Floor, Santurce, P. R. 00907

**LEAD BASED PAINT TESTING DATA SHEET**

**Client Name:** Applied Engineering  
**Project Name:** LBP Survey for Plaza Revolución de Lares (Project No. PR-CRP-001088)  
**Address:** Lares, Puerto Rico

Date: 10/27/23  
Inspector: Abraham Rodríguez  
XRF Serial No.: 3115

Reading #	Structure	Room	Substrate	Color	Component & Location	XRF Reading	Laboratory Result (% or mg/cm <sup>2</sup> )
91	Plaza de la Revolución	Mosaic	Ceramic	Purple	Mosaic	0.3	
92	Plaza de la Revolución	Mosaic	Ceramic	Gray	Mosaic	0.2	
93	Plaza de la Revolución	Obelisk Area	Concrete	Gray	Walls	0.1	
94	Plaza de la Revolución	Obelisk Area	Concrete	Green	Wall Base	0.2	
95	Plaza de la Revolución	Obelisk Area	Concrete	White	Obelisk	<b>1.9</b>	
96	Plaza de la Revolución	North Area	Concrete	Gray	Wall	0.1	
97	Plaza de la Revolución	North Area	Concrete	Cream	Wall	0.1	
98	Plaza de la Revolución	North Area	Metal	Brown	Handrail	0.1	
99	Plaza de la Revolución	North Area	Metal	Brown	Ramp Gate	0.1	
100	Plaza de la Revolución	North Area	Concrete	Blue	Lamp Base	0.2	
101	Plaza de la Revolución	North Area	Concrete	Red	Ramp Base	0.1	
102	Plaza de la Revolución	North Area	Metal	Brown	Lamp	0.4	
103	Plaza de la Revolución	North Area	Concrete	Red	Lamp Base	0.1	
104	Plaza de la Revolución	North Area	Concrete	Gray	Ramp Wall	0.2	
105	Plaza de la Revolución	Stage	Concrete	Cream	Lamp Base	0.2	

**Approved By: Ady Padan Ph.D.**

**Date: 10/27/2023**

ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.  
611 Monserrate Street, 2nd. Floor, Santurce, P. R. 00907

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**Address:** Lares, Puerto Rico

Date: 10/27/23  
Inspector: Abraham Rodríguez  
XRF Serial No.: 3115

Reading #	Structure	Room	Substrate	Color	Component & Location	XRF Reading	Laboratory Result (% or mg/cm <sup>2</sup> )
106	Plaza de la Revolución	Stage	Concrete	Green	Lamp Base	0.1	
107	Plaza de la Revolución	Stage	Plastic	Brown	Lamp	0.0	
108	Plaza de la Revolución	Stage	Concrete	Cream	North Wall	0.2	
109	Plaza de la Revolución	Stage	Concrete	Gray	North Wall	0.1	
110	Plaza de la Revolución	Stage	Metal	Brown	Rail	0.1	
111	Plaza de la Revolución	Stage	Concrete	Gray	East Wall	0.2	
112	Plaza de la Revolución	Stage	Metal	Brown	Railing	0.1	
113	Plaza de la Revolución	Stage	Concrete	Gray	West Wall	0.1	
114	Plaza de la Revolución	Stage	Metal	Brown	Railing	0.1	
115	Plaza de la Revolución	Stage	Concrete	Brown	Step	0.1	
116	Plaza de la Revolución	South West	Concrete	Gray	West Garden	0.1	
117	Plaza de la Revolución	South West	Concrete	Green	West Garden	0.2	
118	Plaza de la Revolución	South West	Wood	Red	Bench	0.1	
119	Plaza de la Revolución	South West	Wood	White	Bench	0.2	
120	Plaza de la Revolución	South West	Wood	Blue	Bench	0.1	

**Approved By: Ady Padan Ph.D.**

**Date: 10/27/2023**

ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.  
611 Monserrate Street, 2nd. Floor, Santurce, P. R. 00907

**LEAD BASED PAINT TESTING DATA SHEET**

**Client Name:** Applied Engineering  
**Project Name:** LBP Survey for Plaza Revolución de Lares (Project No. PR-CRP-001088)  
**Address:** Lares, Puerto Rico

Date: 10/27/23  
 Inspector: Abraham Rodríguez  
 XRF Serial No.: 3115

Reading #	Structure	Room	Substrate	Color	Component & Location	XRF Reading	Laboratory Result (% or mg/cm <sup>2</sup> )
121	Plaza de la Revolución	South West	Metal	Brown	Bench Base	0.2	
122	Plaza de la Revolución	South West	Concrete	Blue	Lamp Base	0.1	
123	<b>RE-TESTING</b>						
124	Plaza de la Revolución	Stage	Concrete	Gray	West Wall	0.3	
125	Plaza de la Revolución	Stage	Metal	Brown	Railing	0.1	
126	Plaza de la Revolución	Stage	Concrete	Brown	Step	0.0	
127	Plaza de la Revolución	South West	Concrete	Gray	West Garden	0.2	
128	Plaza de la Revolución	South West	Concrete	Green	West Garden	0.1	
129	Plaza de la Revolución	South West	Wood	Red	Bench	0.2	
130	Plaza de la Revolución	South West	Wood	White	Bench	0.1	
131	Plaza de la Revolución	South West	Wood	Blue	Bench	0.1	
132	Plaza de la Revolución	South West	Metal	Brown	Bench Base	0.4	
133	Plaza de la Revolución	South West	Concrete	Blue	Lamp Base	0.2	
134					Calibration	1.0	
135					Calibration	1.0	

**Approved By: Ady Padan Ph.D.**

**Date: 10/27/2023**



ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.  
611 Monserrate Street, 2nd. Floor, Santurce, P. R. 00907

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**Address:** Lares, Puerto Rico

Date: 10/27/23  
Inspector: Abraham Rodríguez  
XRF Serial No.: 3115

Reading #	Structure	Room	Substrate	Color	Component & Location	XRF Reading	Laboratory Result (% or mg/cm <sup>2</sup> )
136					Calibration	0.9	

Approved By: Ady Padan Ph.D.

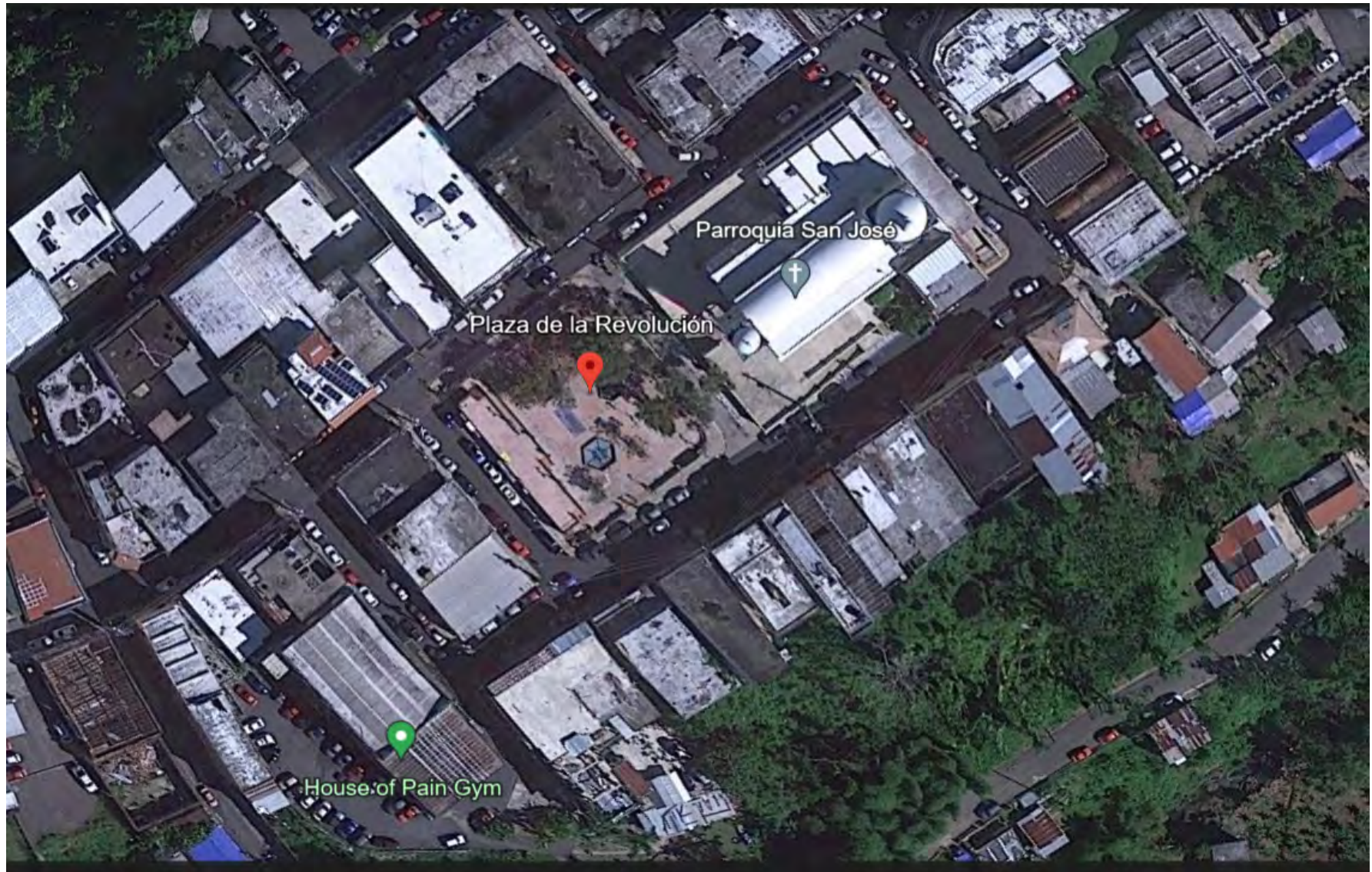
Date: 10/27/2023

# Appendix IV





**Site Location: Plaza de la Revolución Lares, Street A, Lares, Puerto Rico, 00669**





## Selective Photos



**Concrete Yellow Curbs  
Painted with LBP  
North and East Side of Plaza  
Plaza de la Revolucion Lares**





## Selective Photos



**Green, Red and Yellow Ceramic Mosaic  
Painted with LBP  
Plaza de la Revolucion Lares**



**White Concrete Obelisk  
Painted with LBP  
Obelisk Area  
Plaza de la Revolucion Lares**



# Appendix V



# Schematic Distribution of LBP Components at Plaza de la Revolucion Lares (PR-CRP-001088).



THIS DRAWING DEPICTS THE DESIGN EFFORT OF APPLIED ENGINEERING GROUP. FOR THIS PROJECT AND IS ISSUED FOR REVIEW SOLELY AS AN INSTRUMENT OF THE SERVICES BEING RENDERED. IT REMAINS THE PROPERTY OF THIS OFFICE, AND SHALL NOT BE COPIED REPRODUCED OR EXHIBITED UNLESS PERMISSION IN WRITING IS GRANTED.

**GRANTED**





# ASBESTOS



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APPENDIX II - Hazard Assessment

APPENDIX III - Site Location

## **I. SUMMARY**

A survey for Asbestos Containing Materials (ACM) was conducted by Analytical Environmental Services International (AES International), Inc. for the open Plaza de la Revolución Lares (PR-CRP-001088) located on Pedro Albizu Campos Street, Lares P.R 00669.

The inspection was conducted on 10/27/23 by Abraham Rodriguez, a DRNA/AHERA certified asbestos inspector.

No suspected materials were observed during the inspection and accordingly samples were not collected.

# 1.0 INTRODUCTION

A survey for Asbestos Containing Materials (ACM) was conducted by Analytical Environmental Services International, Inc. (AES International) for the open Plaza de la Revolución Lares (PR-CRP-001088) located on Pedro Albizu Campos Street, Lares P.R 00669.

The survey was conducted on 10/27/23 by Abraham Rodriguez, a DRNA/AHERA certified asbestos building inspector (see Appendix I for credentials).

The inspection was performed based on AHERA protocol, according to the following scenario:

- The structure was divided in functional spaces
- Visual inspection was performed.

Suspected materials were not observed during visual inspection.

## 2.0 GENERAL BACKGROUND

Asbestos was used in the construction industry from 1900 to 1989. It is still being used today in various products. The health effects of asbestos have been studied since the 1930's. More health studies have been conducted in asbestos than any other natural substance. The mere presence of asbestos containing materials does not necessarily constitute a health hazard. However, when these materials become disturbed from building renovation, maintenance, or other everyday activities that allow fibers to be released into the environment, a potential hazard does exist.

The relationship between exposure level and health risk is very complex. Although this relationship is not completely understood, asbestos exposure has been associated with various types of lung diseases including a debilitating lung disease called ASBESTOSIS; a rare cancer of chest called MESOTHELIOMA; and cancers of the esophagus, stomach, colon and other organs. Asbestosis is not fatal; it is, however, incurable. One who has it cannot breathe easily, and physical activity becomes limited. MESOTHELIOMA is 100% fatal, as there is no cure. These diseases can be directly linked to asbestos because of the mineral particles that can be found in the lining of the lungs and stomach, since the body cannot absorb these minerals. Tests have determined that asbestos can cause cancer, but scientists disagree on the number of asbestos fibers that must be inhaled to cause cancer. The nose filters out all visible particles. Therefore, only the microscopic fibers are the ones who cause the problems.

Studies indicate different health effects resulting from exposure to chrysotile asbestos versus exposure to the amphibole form of asbestos. The latter, which include tremolite, amosite, actinolite, anthophyllite and crocidolite have more significant health impact than chrysotile. Some scientists cite studies concluding that is the size of the fibers deposited

in the lungs that result in cancer. Long, thin fibers, greater than 8 microns in length and less than 0.25 microns in diameter show the highest potential of cancer development.

## **2.1 National Emission Standards for Hazardous Air Pollutants (NESHAP)**

The EPA's rules concerning the application, removal, and disposal of ACM, as well as manufacturing, spraying and fabricating of ACM were issued under the asbestos NESHAP regulation (U.S. EPA National Emission Standards for Hazardous Air Pollutants, 40 CFR 61 Subpart M, October 30, 1987). The asbestos NESHAP regulation governs asbestos demolition and renovation projects in all facilities. The NESHAP rule usually requires owners or operators to have all friable ACM removed before the building is demolished and may require its removal before renovation. If friable ACM shall be disturbed, the NESHAP rule may require appropriate work practices, or procedures for emission control. The rule states that any ACM, which may become friable, poses a potential hazard that should be addressed. A revised NESHAP ruling was released on November 20, 1990, effective February 20, 1991, which includes as the responsibility of the owner, or operator, to "prior to the commencement of the demolition or renovation, thoroughly inspect the affected facility or part of the facility where demolition or renovation operation will occur for the presence of asbestos, including Category I and Category II non-friable ACM." (40 CFR, Part 61, National Emission Standards for hazardous Air Pollutants, Asbestos NESHAP Revision, Final Rule, November 20, 1990).

## **3.0 PROJECT IDENTIFICATION/DESCRIPTION**

The study was conducted for an open area identified as Plaza de la Revolución Lares (PR-CRP-001088) located on Pedro Albizu Campos Street, Lares P.R 00669.

## **4.0 METHODS OF BUILDING INSPECTION**

Each sample, if collected, should have been classified according to the condition of Asbestos Containing Materials (ACM) in that location and the potential for material disturbance. All the area was visually inspected.

## **5.0 SAMPLING METHODS**

Samples were not collected, as no suspected ACM were observed during the visual inspection.

## **6.0 INSPECTION RESULTS**

Suspected materials were not observed during visual inspection.

## 7.0 CONCLUSIONS

A survey for ACM was conducted at the open Plaza de la Revolución Lares (PR-CRP-001088) located on Pedro Albizu Campos Street, Lares P.R 00669. Materials surveyed were described above. No suspected ACM were observed. The ACM survey results do not include materials which are non-accessible, non-visible and may be present behind/inside the walls or hidden inside the structures. These materials must be assessed at the time of modernization.



---

Abraham Rodríguez, DRNA Asbestos Inspector  
Lic#: ASB-1023-0156-SI



## CERTIFICACION DE NO PRESENCIA DE ASBESTO EN ESTRUCTURAS A DEMOLERSE

(Deberá completarse en letra de molde o impresa)

PGC-\_\_\_\_\_  
PARA USO OFICIAL

Yo, Abraham Rodriguez, mayor de edad, Soltero, y vecino de Vega Baja  
(Nombre) (Estado Civil) (Municipio)  
Dirección Postal Vega Baja Lakes Calle 2 B-33 Vega Baja 00693  
(Pueblo) (Zip Code)  
Teléfonos: Residencial ( 939 ) 642 - 2461 Oficina ( 787 ) 722 - 0220 Ext. \_\_\_\_\_  
Fax ( 787 ) 724 - 5788

**Certifico que:**

Open Plaza de la Revolución Lares  
(PR-CRP-001088) located on Pedro Albizu Campos

1. La estructura localizada en Street, Lares P.R 00669., 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 28 de octubre de 2023

\* Esta certificación es exclusivamente para las áreas muestreadas.

  
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.**



# Appendix I



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017**

**AES International**

611 Monserrate

Santurce, PR 00907

Mr. Ady Padan

Phone: 787-722-0220 Fax: 787-724-5788

Email: yotal@bellsouth.net

<http://www.aesipr.org>

**ASBESTOS FIBER ANALYSIS**

**NVLAP LAB CODE 200051-0**

**Bulk Asbestos Analysis**

**Code**

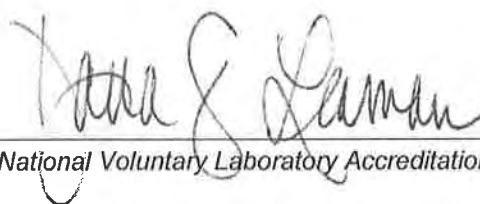
**Description**

18/A01

EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples

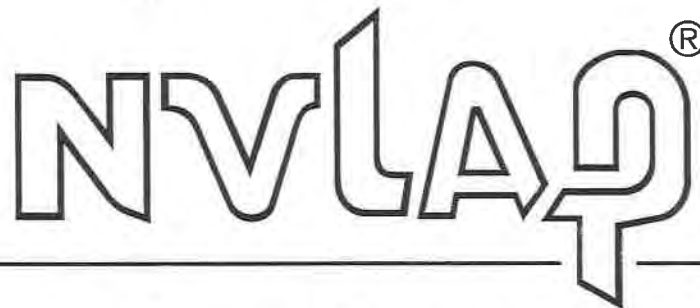
18/A03

EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials



*For the National Voluntary Laboratory Accreditation Program*

United States Department of Commerce  
National Institute of Standards and Technology



---

## Certificate of Accreditation to ISO/IEC 17025:2017

---

NVLAP LAB CODE: 200051-0

**AES International**  
Santurce, PR

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:*

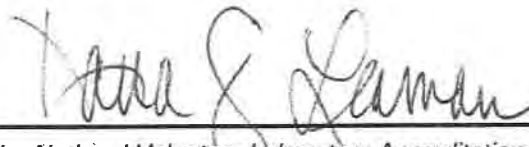
**Asbestos Fiber Analysis**

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

---

2023-01-01 through 2023-12-31

*Effective Dates*



---

*Tara S. Laman*  
For the National Voluntary Laboratory Accreditation Program

## DRNA Asbestos Inspector Credentials

	<p>TARJETA DE REGISTRO PARA LA REMOCION DE ASBESTO</p> <p>Esta tarjeta autoriza a:</p> <p><i>Abraham Rodriguez Jr.</i></p> <p><b>Inspector</b></p> <p>A trabajar en la remoción de asbesto en Puerto Rico. Esta persona NO es un empleado del DRNA.</p> <p></p> <p>Firma Autorizada - Departamento Recursos Naturales y Ambientales</p>
<p><b>ASB-1023-0156-SI</b></p> <p>Número de Registro</p> <p><b>13-sept-2024</b></p> <p>Fecha de vencimiento</p>	



# Appendix II



## ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.

**ASBESTOS SAMPLE INSPECTION FORM FOR PHYSICAL & HAZARD ASSESSMENT**Client Name Applied Engineering GroupStructure: Plaza RevolucionProject Name: ACM Survey for Plaza Revolución de Lares (PR-CRP-001088), Lares P.RInspection Date: 10/27/2023Page: 1 of 1

Homogeneous Material Description		Material Category	Asbestos Content	Friability	Location of Materials	Asbestos Contents	Total Square Feet of ACM	AHERA Assessment Category (1-7,X)	Hazard Ranking (1-7)
I.D. Number	Material Description								
	<i>No ACM Suspected</i>								

Inspected by: Abraham RodriguezDate: 10/27/2023

Friability: F = friable, NF = nonfriable, X = not applicable (material is non-ACBM)

AHERA Assessment Category: 1 = Damaged or significantly damaged TSI ACBM; 2 = Damaged friable surfacing ACBM; 3 = Significantly damaged friable surfacing ACBM;

4 = Damaged or significantly damaged friable miscellaneous ACBM; 5 = ACBM with potential for damage; 6 = ACBM with potential for significant damage;

7 = Any remaining friable ACBM or friable suspected ACBM; X = Not applicable (material is non-ACBM or non-friable surfacing or miscellaneous materials);

None = No assessment category provided in original inspection.

Hazard Ranking Category: 1 = Significantly damaged; 2 = Damaged and potential of significant damage; 3 = Damaged and potential for damage; 4 = Damaged;

5 = Potential for significant damage; 6 = Potential for damage; 7 = All remaining ACBM

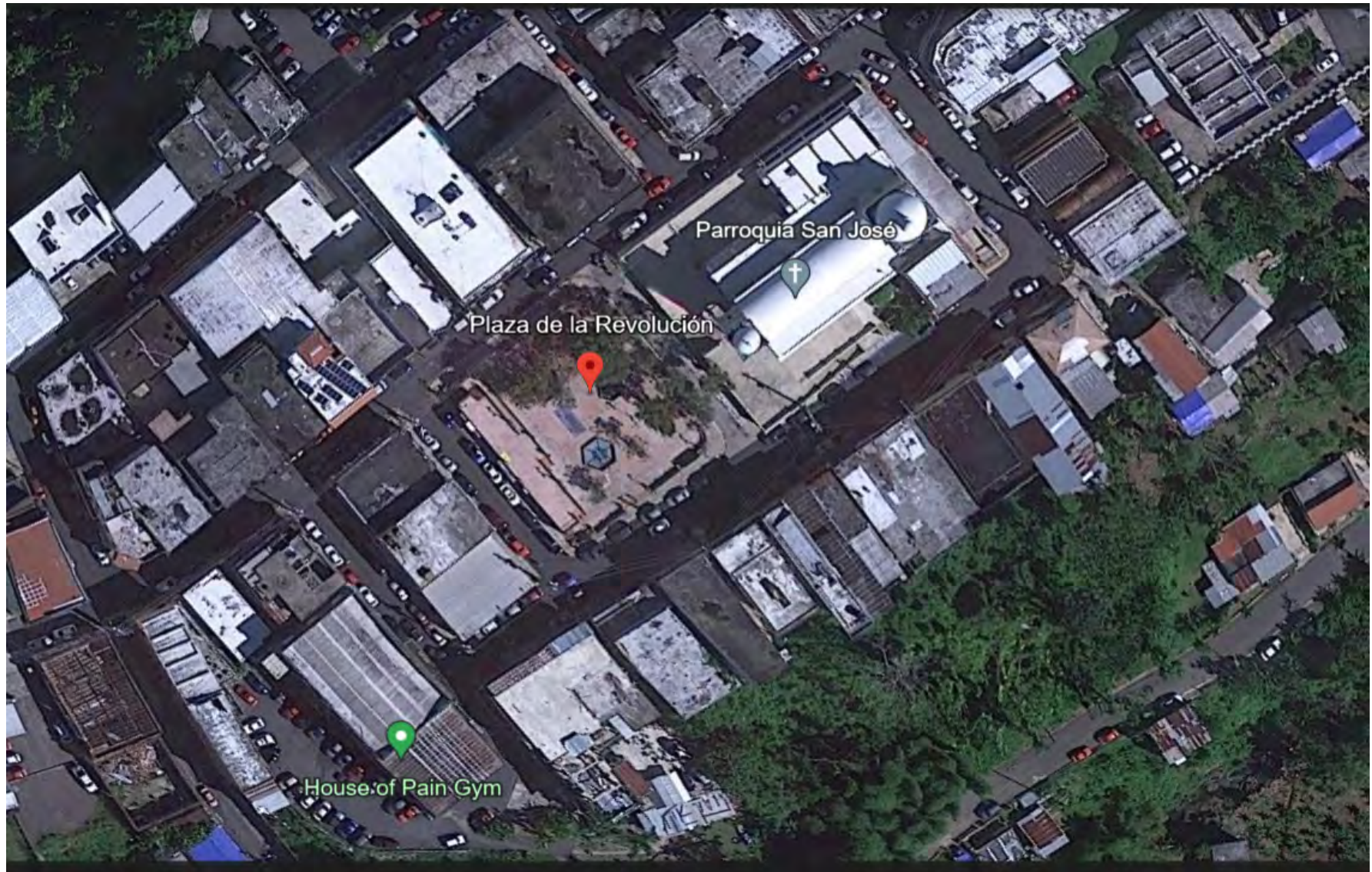
\* - Unless Specified, the Asbestos Type is Chrysotile; ND - None Detected

# Appendix III





**Site Location: Plaza de la Revolución Lares, Street A, Lares, Puerto Rico, 00669**



## Attachment 6F USTs

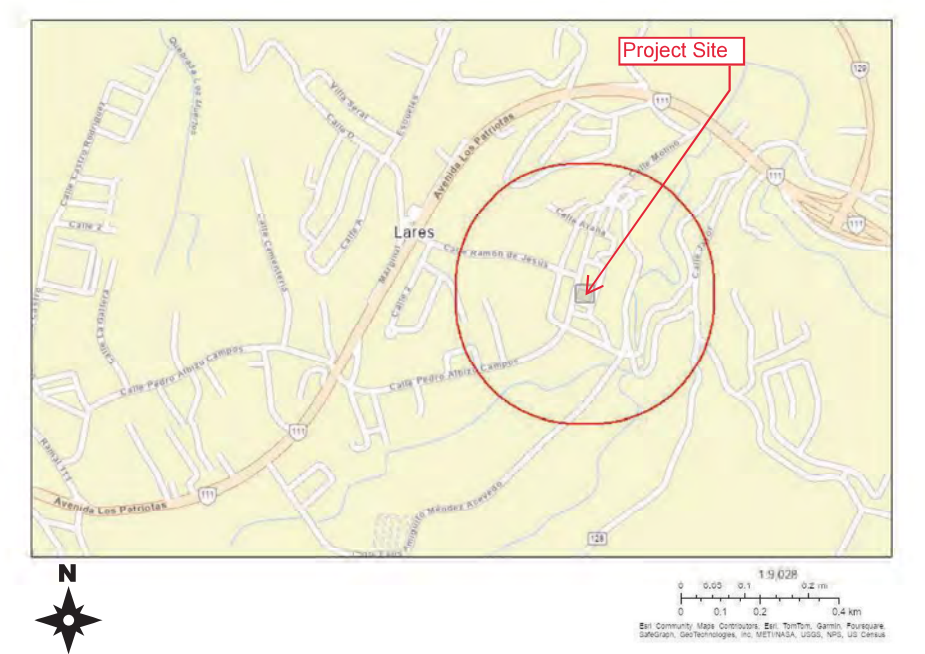


## Underground Storage Tank Report

### Area of Interest (AOI) Information

Area : 0.13 mi<sup>2</sup>

Jan 9 2025 16:17:06 Mountain Standard Time



Project Name: Improvements to Plaza de La Revolución, Municipality of Lares (PR-CRP-001088)  
LocaEon: Lat: 18.29475195 / Long: -66.87770066, Pueblo Ward, Lares, PR

### Summary

Name	Count	Area(mi <sup>2</sup> )	Length(mi)
Facilities	0		
Releases	0		



## Critical Habitat Map



### Attachment 7A: Critical Habitats Map

Project: Rehabilitación Plaza de la Revolución de Lares – Plaza Pública (PR-CRP-001088)

Location: Dr. Pedro Albizu Campos St., Downtown Lares, Lares, PR 00669 (Lat: 18.29482420, Lon: -66.87771951) Source: US National Park Service - Interactive Map of NPS Wild and Scenic Rivers.

Website:

<https://fws.maps.arcgis.com/home/webmap/viewer.html?webmap=9d8de5e265ad4fe09893cf75b8dbfb77>

Prepared by: Applied Engineering Group

## Attachment 7B Blanket Clearance Letter



# United States Department of the Interior



## FISH AND WILDLIFE SERVICE

Caribbean Ecological Services

Field Office

P.O. Box 491

Boqueron, PR 00622

**JAN 14 2013**

In Reply Refer To:  
FWS/R4/CESFO/BKT/HUD

Mr. Efrain Maldonado  
Field Office Director  
U.S. Department of Housing and Urban Development  
235 Federico Costa Street, Suite 200  
San Juan, Puerto Rico 00918

Re: Blanket Clearance Letter for Federally  
sponsored projects, Housing and Urban  
Development

Dear Mr. Maldonado:

The U.S. Fish and Wildlife Service (USFWS) is one of two lead Federal Agencies responsible for the protection and conservation of Federal Trust Resources, including threatened or endangered species listed under the Endangered Species Act of 1973 (16 U.S.C. 1531 et seq.) (ESA). In the U.S. Caribbean, the USFWS has jurisdiction over terrestrial plants and animals, the Antillean manatee and sea turtles when nesting. The National Marine Fisheries Service has jurisdiction over marine species, except for the manatee. The ESA directs all Federal agencies to participate in conserving these species. Specially, section 7 of the ESA requires Federal agencies to consult with the USFWS to ensure that actions they fund authorize, permit, or otherwise carry out will not jeopardize the continued existence of any listed species or adversely modify designated critical habitat. The USFWS issued regulations in 1986 detailing the consultation process. As part of this consultation process, the USFWS review development projects to assist Federal agencies on the compliance of the ESA.

The U.S. Department of Housing and Urban Development (HUD) typically allocate grant funds for rural and urban development projects. Obligations under the ESA, as well as the National Environmental Policy Act (NEPA), require HUD to perform consultation and an environmental impact review prior to the project's authorization. Primarily, these projects involve repair or reconstruction of existing facilities associated with developed land.

In order to expedite the consultation process, the Caribbean Ecological Services Field Office has developed this Blanket Clearance Letter (BCL) to cover for activities and projects that typically result in no adverse effects to federally-listed species under our jurisdiction. If projects comply with the project criteria discussed below, no further consultation with the USFWS is needed.



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.

Determination:

Based on the nature of the projects described above and habitat characteristics described on project criteria, we have determined that the actions and type of projects described above may be conducted within this BCL without adversely affecting federally-listed



species under our jurisdiction. Thus, consultation under Section 7 of the Endangered Species Act is not required.

In all situations, HUD, and the municipalities are expected to implement Best Management Practices, where applicable, to ensure that impacts from erosion and stream sedimentation are appropriately minimized.

The Service encourages your agency to enhance the conservation of our trust resources (i.e.; listed species, wetlands, aquatic habitats, migratory birds and marine mammals). We therefore, provide the following recommendations that have proven to help in this way.

Water Crossing Structures:

1. Use of bottomless culverts or single span bridges instead of traditional box or RCP culverts or any other water crossing structure that impacts the stream bottom, particularly in streams which support native fish. The use of bottomless culverts or a short span bridge would provide a more stable crossing and would not alter the stream habitat. However, if bottomless structures or bridges are not feasible due to cost or engineering constraints, we recommend the following criteria be used to maintain good habitat in the streams:
  - a. The stream should not be widened to fit the bridge since this can lead to sedimentation during low flows and possible bank erosion during high flows. Rather, the bridge should be designed to fit the stream channel at the point of crossing. Culverts should be sized to carry natural bank full flow. Additional flow can be captured by culverts placed at a higher elevation so as not to impact bank full flows.
  - b. Bridge abutments, wing walls or any other structures should not intrude into the active stream channel.
  - c. All culvert footings must be countersunk into the stream channel at both the invert and outlet ends at a minimum of 10% of the culvert height. This will align the water crossing structure with the slope of the stream.
  - d. Waterways must not be blocked as to impede the free movement of water and fish. Materials moved during construction, such as grubbing, earth fills, and earth cut materials must not be piled where they can fall back into the stream and block the drainage courses.
  - e. Appropriate erosion and/or sedimentation control measures are to be undertaken to protect water quality until riverbanks are re-vegetated. It has been our experience that appropriate erosion and/or sedimentation control measures are not implemented properly by project contractors. In order to function properly, silt fences need to be buried 6" (proper depth is marked by a line on the silt fence) and supported at regular intervals by wood stakes. For that reason we are recommending that



- the enclosed drawing of proper silt fence installation is included in all final project construction plans.
- f. Upon completion of a water crossing construction, any temporary fill, must be removed from the construction area and disposed in a landfill.

Limitations:

Actions that do not meet the above project criteria, such as actions requiring placement of fill, disturbance, or modification to land outside of an existing access road or ROW; actions that occur on vacant property harboring a wetland and/or forest vegetation; actions requiring excavation, clearing of native vegetation, or alteration of storm water drainage patterns; or actions that require lighting which can be directly or indirectly seen from a beach, must be individually coordinated through the Caribbean Ecological Services Field Office and will be evaluated on a case by case basis.

**The Service reserves the right to revoke or modify this BCL if:**

1. New information reveals that the categories of work covered in this BCL may affect listed or designated critical habitat in a manner, or to an extent, not previously considered.
2. The categories of work included in this BCL are subsequently modified to include activities not considered in this review.
3. New species are listed or critical habitat designated that may be affected.


It is our mission to work with others, to conserve, protect and enhance fish wildlife and plants and their habitats for the continuing benefit of our people.

To obtain additional information on threatened and endangered species, you may visit our website <http://www.fws.gov/caribbean/ES> where you will also find the Map of the Species by Municipality and the Map of Critical Habitat. The USFWS has also developed a web based tool called IPac. Please visit <http://www.ecos.fws.gov/ipac> and familiarize yourself with the features we offer. We encourage you to begin your project planning process by requesting an **Official Species List** for your individual project that will include all species that may occur in the vicinity of the action area and includes a map of the action area. The site will also identify designated critical habitat, or other natural resources of concern that may be affected by your proposed project. At this time, best management practices or conservation measures are not available at the site but we expect the site to continue growing in its offering.

These maps provide information on the species/habitat relations within a municipality and could provide the applicants an insight if the proposed action is covered under this BCL or may affect a species, thus requiring individual review.

If you have any additional question regarding this BCL, please do not hesitate to contact Marelisa Rivera, Deputy Field Supervisor, at 787-851-7297 extension 206.

Sincerely yours,



Edwin E. Muñiz  
Field Supervisor

Enclosures (Fact Sheets)

cc: OCAM, San Juan  
Office of Federal Funds, 78 Municipalities of Puerto Rico  
AAA  
PRFAA  
DNER





## Ecological Services in the Caribbean

Caribbean Field Office

# Project evaluation



**Our mission** is to conserve, protect and enhance fish and wildlife and their habitats through consultation, cooperation and communication for the continuing benefit of the American people.

### Legal authorities:

- Endangered Species Act (ESA)
- Fish and Wildlife Coordination Act
- Migratory Bird Treaty Act
- Coastal Barriers Act

### Roles and Responsibilities:

- Provide technical assistance to Federal and Commonwealth agencies to minimize possible impacts of land and water projects to our trust resources
  - \*Wetlands and other aquatic habitats
  - \*Endangered Species and their habitats
  - \*Migratory Birds
  - \*Critical Wildlife Areas
  - \*Coastal Barriers
- Assist with ESA Section 7 compliance through informal and formal consultation processes

### How do we assist others?

- Determine presence / absence of wetland resources, threatened and endangered species habitat, coastal barriers, important wildlife areas within the action area
- Evaluate possible direct, indirect and cumulative impacts
- Provide conservation recommendations to avoid, minimize and/or mitigate impacts
- General recommendations for habitat enhancement

### Minimum requirements for the evaluation of projects:

- An 8.5 by 11 inch copy of the specific site location on a USGS topographic map (1:20,000) marked with an arrow (➡)
- Project description
- Aerial photo of the project site
- Latitude and Longitude (degrees, minutes and seconds or decimal degrees)
- Environmental Documents (EA and EIS)
- Specific studies (by qualified personnel)



### For more information:

US Fish and Wildlife Service  
Caribbean Field Office  
Raod 301, Km. 5.1  
Bo. Corozo

Boquerón, PR 00622

<http://www.fws.gov>

<http://www.fws.gov/caribbean/es>





## Endangered Species Lists Using Web-based Tools

The U.S. Fish and Wildlife Service's Caribbean Ecological Services Field Office (CESFO) provides technical assistance to private individuals and organizations, as well as Federal, state, and local agencies pursuant to the Endangered Species Act of 1973 (ESA) (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.). To assist project sponsors or applicants with the process of determining whether a Federally-listed species and/or "critical habitat" may occur within their proposed project area, we have developed Web-based tools. These tools were developed primarily to assist Federal agencies that are consulting with us under Section 7(a)(2) of the Endangered Species Act (ESA) (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.).

**IPaC.** The US Fish & Wildlife Service (USFWS) has a tool named IPaC. IPaC stands for Information, Planning, and Conservation. This system is designed for easy, public access to the natural resources information for which the USFWS has trust or regulatory responsibility. Examples include Threatened and Endangered species, migratory birds, National Refuge lands, Coastal Barrier Resource Units, and the management of invasive species. One of the primary goals of the IPaC system is to provide information in a manner that assists individuals in planning their activities within the context of natural resource conservation. The IPaC system also assists people through the various regulatory consultation, permitting and approval processes administered by the USFWS, helping achieve more effective and efficient results for both the project proponents and natural resources. Through IPaC, you can get a preliminary USFWS species list in addition to links to species life history information, the USFWS Migratory Bird program, and more. You can access IPaC at: <http://ecos.fws.gov/ipac>

**CESFO List of Threatened & Endangered Species and Critical Habitat Designations:** CESFO has developed another tool (Species Map) that can be used as a quick reference to find out where the Federally-listed species



are known to occur, as well as those likely to occur, in any given municipality in Puerto Rico and island in the

U.S. Virgin islands. It identifies general areas where the species may be located. However, it does not represent the absolute distribution of the species and does not constitute a recommendation or comment issued by our agency in reference to a proposed project. This list represents the best available information regarding known or likely occurrences of Federally-listed species and is subject to change as new information becomes available. You can access this database at <http://www.fws.gov/caribbean/es/PDF/Map/pdf>



Be aware that Section 9 of the ESA prohibits unauthorized taking of listed species and applies to Federal and non-Federal activities. Under the Act, it is illegal for any person subject to the jurisdiction of the United States to take (includes harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect; or to attempt any of these), import or export, ship in interstate or foreign commerce in the course of commercial activity, or sell or offer for sale in interstate or foreign commerce any endangered fish or wildlife species and most threatened fish and wildlife species. It is also illegal to possess, sell, deliver, carry, transport, or ship any such wildlife that has been taken illegally. "Harm" includes any act which actually kills or injures fish or wildlife, and case law has clarified that such acts may include significant habitat modification or degradation that significantly impairs



essential behavioral patterns of fish or wildlife. For projects not authorized, funded, or carried out by a Federal agency, consultation with the Service pursuant to Section 7(a)(2) of the ESA is not required. However, no person is authorized to "take" any listed species without appropriate authorizations from the Service. Therefore, we provide technical assistance to individuals and agencies to assist with project planning to avoid the potential for "take," or when appropriate, to provide assistance with their application for an incidental take permit pursuant to Section 10(a)(1)(B) of the ESA.

If the project is within the distribution of the species, additional information may be needed to determine the presence of habitat. In some cases, specialized surveys may be needed to determine the presence or absence of the species in a particular area.

For additional information on fish and wildlife resources or State-listed species, we suggest contacting the Puerto Rico Department of Natural and Environmental Resources and the U.S. Virgin Islands Department of Planning and Natural Resources.

For further assistance, please feel free to contact us at (787) 851-7297 or visit our Web page at [www.fws.gov/caribbean/es](http://www.fws.gov/caribbean/es) if you need further assistance.

For further information visit our national websites at:

<http://www.fws.gov>

<http://ecos.fws.gov>





## U.S. Fish & Wildlife Service

# Consultations with Federal Agencies

## *Section 7 of the Endangered Species Act*

The purposes of the Endangered Species Act are to provide a means for conserving the ecosystems upon which endangered and threatened species depend and a program for the conservation of such species. The ESA directs all Federal agencies to participate in conserving these species. Specifically, section 7 (a)(1) of the ESA charges Federal agencies to aid in the conservation of listed species, and section 7 (a)(2) requires the agencies to ensure that their activities are not likely to jeopardize the continued existence of listed species or adversely modify designated critical habitats.

### **How does the consultation process support the recovery of species and their ecosystems?**

The Endangered Species Program of the U.S. Fish and Wildlife Service uses section 7 tools in partnership with other Service programs and other Federal agencies to collaboratively solve conservation challenges, as well as create opportunities, using section 7 consultations, to recover the ecosystems of listed species. Consultations also provide ways to implement recovery tasks by addressing threats to listed species that may result from Federal agency programs and activities.

### **What is the consultation process that occurs under section 7(a)(2)?**

The provision under section 7 that is most often associated with the Service and other Federal agencies is section 7(a)(2). It requires Federal agencies to consult with the Service to ensure that actions they fund, authorize, permit, or otherwise carry out will not jeopardize the continued existence of any listed species or adversely modify designated critical habitats. The



Photo Credit: USGS - Sirenia Project

*In response to requests for consultations from the U. S. Coast Guard with regard to manatees and sea turtles, the South Florida Office of the U. S. Fish and Wildlife Service has provided guidance about events such as fireworks displays, regattas, boat parades and races, and fishing tournaments.*

Service issued regulations in 1986 detailing the consultation process, and we have since completed a handbook describing the process in detail. The handbook is available on our web site at [http://www.fws.gov/endangered/esa-library/pdf/esa\\_section7\\_handbook.pdf](http://www.fws.gov/endangered/esa-library/pdf/esa_section7_handbook.pdf).

### **What is the Service doing to facilitate the consultation process?**

Designing projects in ways that are compatible with the conservation needs of listed species and their ecosystems is among the most effective methods of ensuring a more rapid and efficient section 7 consultation process, as well as species' recovery. The Information, Planning, and Conservation System is an emerging tool for action agencies, their applicants, and other project proponents to use

during the initial phases of project development and assessment. The system will allow for more effective integration of listed resource conservation needs and the eventual streamlining of section 7(a)(2) consultation.

### **How does a consultation get started?**

Early coordination is one of the most effective methods of (1) streamlining section 7 consultation, (2) reducing the need to make project modifications during the consultation process, and (3) improving the ability of section 7 to fulfill its role as a recovery tool. Federal agencies, applicants, and the Service engage in early coordination to develop methods of integrating proposed activities with the conservation needs of listed resources before the proposed actions are fully designed.

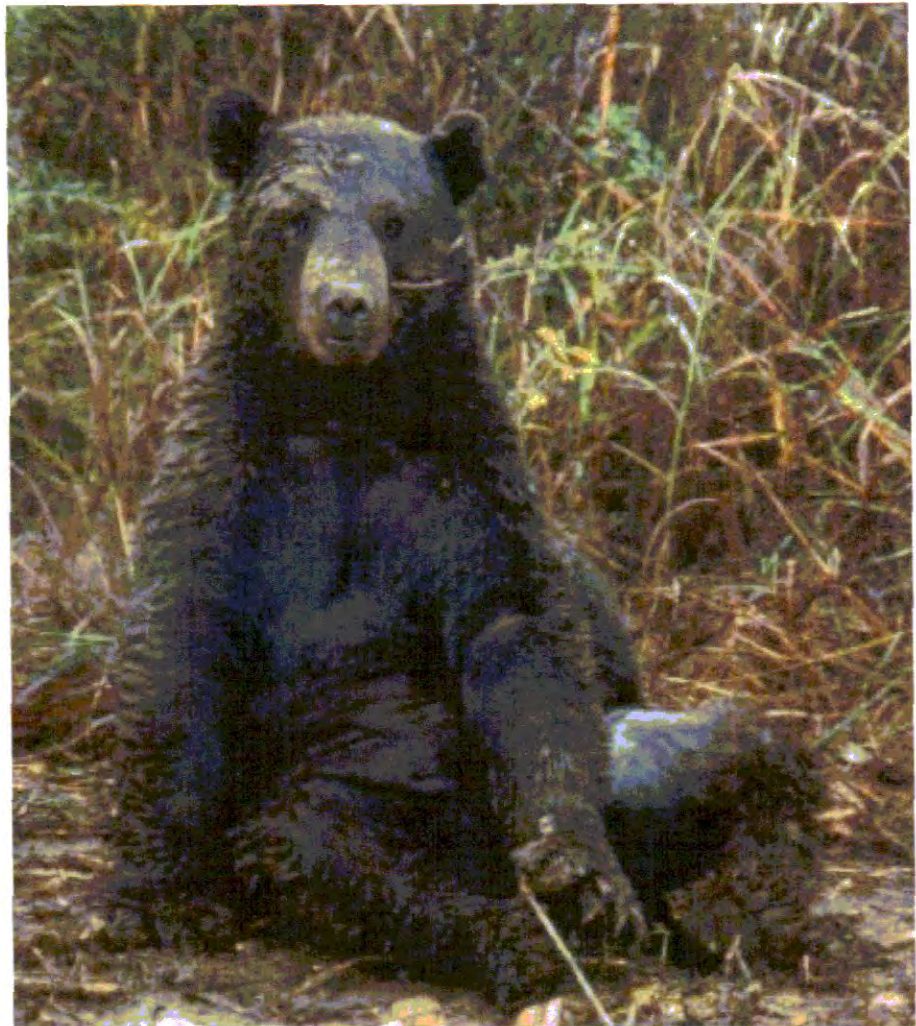


Before initiating an action, the Federal agency or its non-Federal permit applicant should coordinate with the Service as to the species that may be within their action area. If a listed species is present, the Federal agency must determine whether the project may affect it. If so, consultation may be required. If the action agency determines (and the Service agrees) that the project is not likely to adversely affect a listed species or designated critical habitat, and the Service concurs in writing, then the consultation (informal to this point) is concluded.

#### **What happens if a Federal project may adversely affect a listed species?**

If the Federal agency determines that a project is likely to adversely affect a listed species or designated critical habitat, the agency initiates formal consultation by providing information with regard to the nature of the anticipated effects. The ESA requires that consultation be completed within 90 days, and the regulations allow an additional 45 days for the Service to prepare a biological opinion. The analysis of whether or not the proposed action is likely to jeopardize the continued existence of the species or adversely modify designated critical habitat is contained in a biological opinion. If a jeopardy or adverse modification determination is made, the biological opinion must identify any reasonable and prudent alternatives that could allow the project to move forward.

The Service must anticipate any incidental take that may result from the proposed project and, provided that such take will not jeopardize the continued existence of the listed species, authorize that take in an incidental take statement. The latter contains clear terms and conditions designed to reduce the impact of the anticipated take to the species involved. The authorization of incidental take is contingent upon the Federal agency carrying out the terms and conditions. If the Service issues either a non-jeopardy opinion or a jeopardy opinion that contains reasonable and prudent alternatives, it may include an incidental take statement.



Dan Anderson/USFWS

*This Louisiana black bear was one of the largest ever captured on Tensas River National Wildlife Refuge, weighing in at over 400 pounds. The bear was trapped using a leg-hold cable snare that does not injure the animal. The biological information obtained, including weight, sex, a tooth for aging, and other measurements, is part of the Service's ongoing research efforts to aid in the recovery of this threatened subspecies. Afterwards, the bear was released on site.*

#### **What is the consultation workload?**

In Fiscal Year 2010, the Service assisted Federal agencies in carrying out their responsibilities under section 7 on more than 30,000 occasions. The vast majority of the workload was technical assistance to Federal agencies and informal consultations on actions that were not likely to adversely affect listed species or their designated critical habitat. A large percentage of projects, as initially planned, would have had adverse impacts to listed species, but were dealt with through informal consultation. In these situations, the Federal agency made changes to the project design so that adverse impacts to listed species were avoided.

#### **What type of guidance is available for other Federal agencies?**

Guidance is available on our section 7 web site at <http://www.fws.gov/endangered/what-we-do/consultations-overview.html>. Please call us at 703-358-2171 if you have any questions, or see our Endangered Species Program Contacts at <http://www.fws.gov/endangered/regions/index.html> to locate a Service office in your area.

**U. S. Fish and Wildlife Service  
Endangered Species Program  
4401 N. Fairfax Drive, Room 420  
Arlington, VA 22203  
703-358-2171**

<http://www.fws.gov/endangered/>

April 2011



## Attachment 7C USFWS Consultation



**DEPARTAMENTO DE LA VIVIENDA**  
GOBIERNO DE PUERTO RICO  
Secretaría | Hon. Ciary Pérez Peña

**Transmittal Letter**

February 3, 2025

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



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: 2025.02.14 13:55:09 -04'00'

**LOURDES MENA**  
Digitally signed by LOURDES MENA  
Date: 2025.02.14 14:25:25 -04'00'  
Caribbean ES Field Supervisor

**RE: USFWS Endangered Species Act Certifications – January 2025**

We are submitting the following Self-Certifications for projects under the CDBG-DR Small Business Financing 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-000146	Residencial Comercial La Esperanza JIQ 37
PR-CRP-000305	Parque del Quinto Centenario
PR-CRP-000652	Vega Alta Technology Center
PR-CRP-001088	Rehabilitación Plaza de la Revolución de Lares- Plaza Pública
PR-SBF-00319-E	Caribbean Flowers
PR-SBF-02151	Nelson Bonet Lorenzo DBA Rincon Realty & Engineering
PR-SBF-05637-E	San Lorenzo Memorial, Inc.

For more information, please contact the Permits and Environmental Compliance Division at [environmentcdbg@vivienda.pr.gov](mailto: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 **Rehabilitación Plaza de la Revolución de Lares- Plaza Pública (PR-CRP-001088)**, CDBG-DR City Revitalization Program, consisting of the rehabilitation and renovation of the the city plaza including the demolition of the walls surround the plaza, the repair and expansion of stairs along Don Pedro Albizu Campos Street and Vilella Street, sidewalk improvements to meet ADA compliance, landscape maintenance, rehabilitation of the existing mosaic, improvements to the plaza drainage system, the replacement of tiles in front of the church In the plaza, installation of bollards along 23 de Septiembre Street, rehabilitation of the existing platform, electrical upgrades, and layout changes to the plaza, layout changes to the plaza for removal of the existing fountain and construction of a new fountain with the Ramón Emeterio Betances Monument at its center, new paving stones, demolition of existing planters, the construction of a kiosk in the location of an existing planter, lighting replacement/relocation, and new urban furniture; located at Dr. Pedro Albizu Campos Street, Lares Centro, Lares, Puerto Rico 00669; coordinates 18.294829, -66.877704, complies with:

Check	Project Criteria
<input type="checkbox"/>	1. Street resurfacing.
<input type="checkbox"/>	2. Construction of gutters and sidewalks along existing roads.
<input type="checkbox"/>	3. Reconstruction or emergency repairs of existing buildings, facilities, and homes.

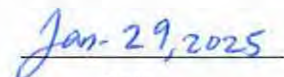


<input type="checkbox"/>	4. Rehabilitation of existing occupied single-family homes, and buildings; provided that equipment storage or staging areas are not located on vacant property harboring a wetland and/or forested vegetation and that the lighting associated to the new facilities is not visible 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.
<input checked="" type="checkbox"/>	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.
<input type="checkbox"/>	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.



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: [environmentcdbq@vivienda.pr.gov](mailto:environmentcdbq@vivienda.pr.gov)



Date

## **Attachment 1**

Location Map

Critical Habitat Map

Wetlands Map

Photos

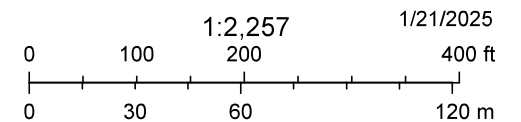


# Location Map

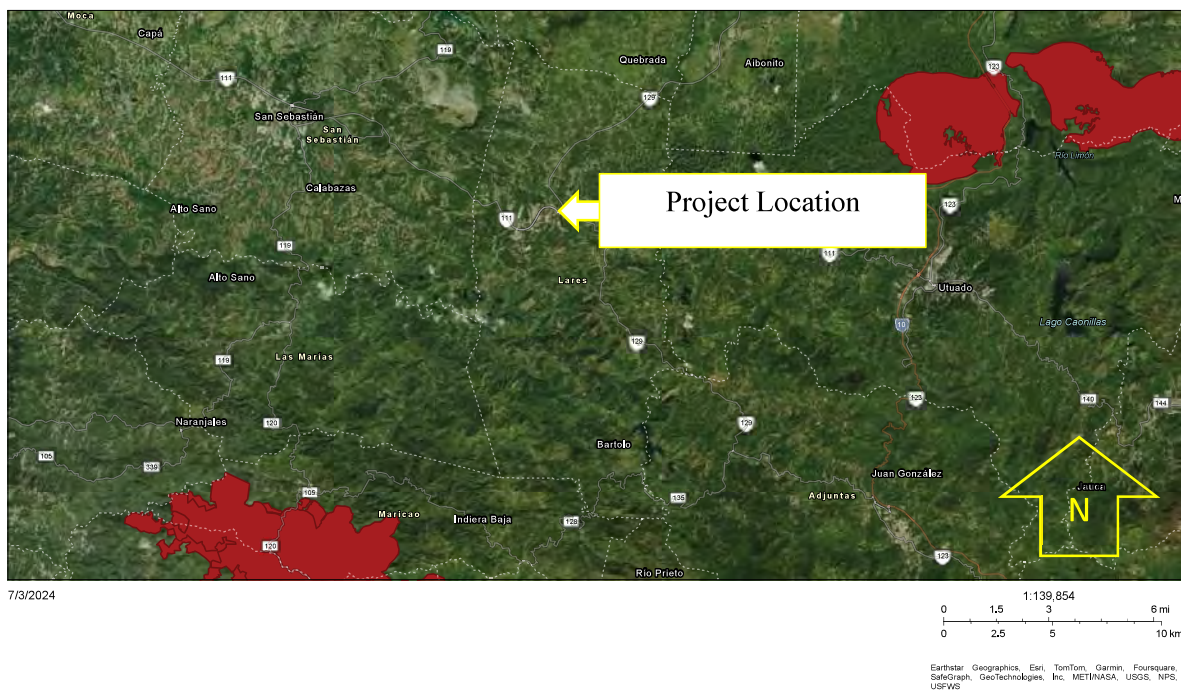
PR-CRP-001188 Rehabilitación de la Plaza de la Revolución de Lares - Plaza Pública  
Calle Dr. Pedro Albizu Campos, Lares Centro, Lares, PR 00669  
Coordinates: 18.294829, -66.877704



Legend:



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



PR-CRP-001088

### Map 2: Critical Habitats Map

Project Name: Rehabilitación de la Plaza de la Revolución de Lares - Plaza Pública

Location: Calle Dr. Pedro Albizu Campos, Lares Centro, Lares, PR 00669

Source: US National Park Service - Interactive Map of NPS Wild and Scenic Rivers.

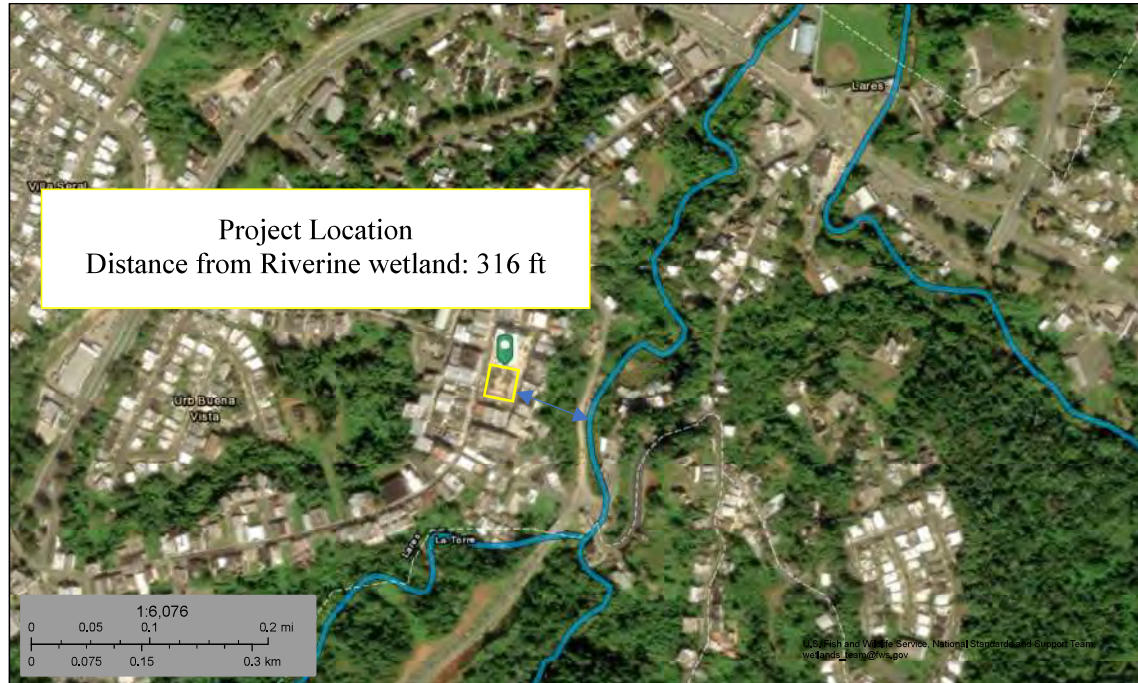
Website:

[https://www.arcgis.com/apps/mapviewer/index.html?url=https://services.arcgis.com/QVENGdaPbd4LUkLV/ArcGIS/rest/services/USFWS\\_Critical\\_Habitat/FeatureServer&source=sd](https://www.arcgis.com/apps/mapviewer/index.html?url=https://services.arcgis.com/QVENGdaPbd4LUkLV/ArcGIS/rest/services/USFWS_Critical_Habitat/FeatureServer&source=sd)

Author: Applied Engineering Group

Coordinates: 18.294829, -66.877704





July 3, 2024

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Project Site

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

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

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

### Map 3: Wetlands

Project Name: Rehabilitaci3n de la Plaza de la Revoluci3n de Lares - Plaza P3blica

Location: Calle Dr. Pedro Albizu Campos, Lares Centro, Lares, PR 00669

Source: USFWS National Wetlands Inventory – Wetlands Mapper

Website: <https://www.fws.gov/program/national-wetlands-inventory/wetlands-mapper> Auth

or: Applied Engineering Group

Coordinates: 18.294829, -66.877704

PR-CRP-Rehabilitación Plaza de la  
Revolución de Lares- Plaza Pública  
USFWL Self-Certification Photos







## **Attachment 2**

IPaC Report





## United States Department of the Interior



FISH AND WILDLIFE SERVICE  
Caribbean Ecological Services Field Office  
Post Office Box 491  
Boqueron, PR 00622-0491  
Phone: (939) 320-3135 Fax: (787) 851-7440  
Email Address: [CARIBBEAN\\_ES@FWS.GOV](mailto:CARIBBEAN_ES@FWS.GOV)

In Reply Refer To:

07/03/2024 19:31:46 UTC

Project Code: 2024-0111742

Project Name: Rehabilitación de La Plaza de la Revolución de Lares - Plaza Pública

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

**\*THE FOLLOWING SPECIES LIST IS NOT A SECTION 7 CONSULTATION. PLEASE CONTACT OUR OFFICE TO COMPLETE THE CONSULTATION PROCESS\***

The purpose of the Endangered Species Act (Act) is to provide a means whereby threatened, and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect those species and/or their designated critical habitat.

Federal agencies are required to "request of the Secretary of Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action". The enclosed species list provides information to assist with the U.S. Fish and Wildlife Service (Service) consultation process under section 7 of the Act. However, **the enclosed species list does not complete the required consultation process**. The species list identifies threatened, endangered, proposed and candidate species, as well as proposed and designated critical habitats, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. A discussion between the Federal agency and the Service should include what types of listed species may occur in the proposed action area and what effect the proposed action may have on those species. This process initiates informal consultation.

Once a species list is obtained for the proposed project, an effect determination for endangered and threatened species should be made. The applicant could make an effect determination by using available keys on IPaC for specific species. For species with no determination keys, the applicant should request concurrence from the Service by sending a project package

to [caribbean\\_es@fws.gov](mailto:caribbean_es@fws.gov). To obtain guidance for completing this process and the minimum requirements for project packages, please visit:

<https://www.fws.gov/sites/default/files/documents/consultation-under-section-7-of-the-endangered-species-act-with-the-caribbean-ecological%20Services-field-office-template-letter.pdf>

When a federal agency, after discussions with the Service, determines that the proposed action is not likely to adversely affect any listed species, or adversely modify any designated critical habitat, and the Service concurs, the informal consultation is complete, and the proposed project moves ahead. If the proposed action is suspected to affect a listed species or modify designated critical habitat, the Federal agency may then prepare a Biological Assessment (B.A.) to assist in its determination of the project's effects on species and their habitat. However, a B.A. is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a B.A. where the agency provides the Service with an evaluation on the likely effects of the action to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a B.A. are described at 50 CFR 402.12.

If a federal agency determines, based on its B.A. or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to further consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species, and proposed critical habitat be addressed within the consultation process. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species.

This list is provided pursuant to Section 7 of the Endangered Species Act and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action". Please use this list to determine whether your project requires consultation and to make your effects determination. For more guidance, use the Guideline for Consultation under Section 7 of the Endangered Species Act with the Caribbean Ecological Services Field Office by clicking [here](#).

This species list is provided by:

Caribbean Ecological Services Field Office

[caribbean\\_es@fws.gov](mailto:caribbean_es@fws.gov)

Post Office Box 491

Boqueron, PR 00622-0491

(786) 244-0081

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Bald & Golden Eagles
- Migratory Birds
- Wetlands

## OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

**Caribbean Ecological Services Field Office**

Post Office Box 491

Boqueron, PR 00622-0491

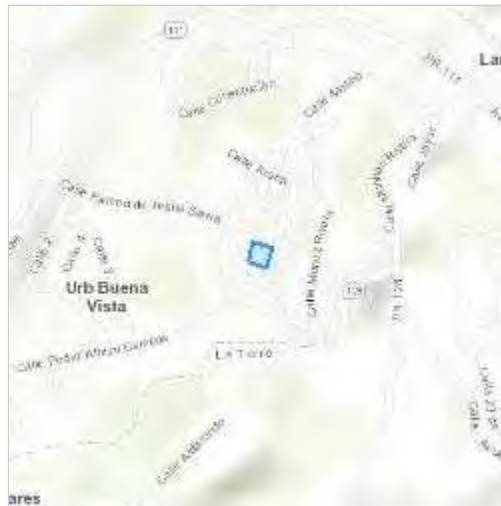
(939) 320-3135

## PROJECT SUMMARY

**Project Code:** 2024-0111742  
**Project Name:** Rehabilitación de La Plaza de la Revolución de Lares - Plaza Pública  
**Project Type:** Recreation - Maintenance / Modification  
**Project Description:** The proposal aims to rehabilitate the Plaza through a more open design, encompassing various modifications such as repairing and expanding stairs on Don Pedro Albizu Campos Street, implementing a new layout for the Public Square, repairing fountains, rehabilitating platforms, establishing a new café in the plaza area, installing an electrical system with separate power meter and exterior outlets, relocating lighting and benches based on the new design, improving sidewalks to meet ADA standards, developing green areas with landscaping and tree relocation, rehabilitating the existing mosaic showcasing Puerto Rican art, and enhancing the plaza drainage and stormwater systems.

**Project Location:**

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.2948007,-66.87771003277112,14z>



**Counties:** Lares County, Puerto Rico



## ENDANGERED SPECIES ACT SPECIES

There is a total of 1 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

- 
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

## REPTILES

NAME	STATUS
Puerto Rican Boa <i>Chilabothrus inornatus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/6628">https://ecos.fws.gov/ecp/species/6628</a> General project design guidelines: <a href="https://ipac.ecosphere.fws.gov/project/KAN4Z5ZIJZCXNM34SMCC6UGBRQ/documents/generated/7159.pdf">https://ipac.ecosphere.fws.gov/project/KAN4Z5ZIJZCXNM34SMCC6UGBRQ/documents/generated/7159.pdf</a>	Endangered

## CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

## USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

## BALD & GOLDEN EAGLES

Bald and golden eagles are protected under the Bald and Golden Eagle Protection Act<sup>1</sup> and the Migratory Bird Treaty Act<sup>2</sup>.

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats<sup>3</sup>, should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the ["Supplemental Information on Migratory Birds and Eagles"](#).

- 
1. The [Bald and Golden Eagle Protection Act](#) of 1940.
  2. The [Migratory Birds Treaty Act](#) of 1918.
  3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

THERE ARE NO BALD AND GOLDEN EAGLES WITHIN THE VICINITY OF YOUR PROJECT AREA.

## MIGRATORY BIRDS

Certain birds are protected under the Migratory Bird Treaty Act<sup>1</sup> and the Bald and Golden Eagle Protection Act<sup>2</sup>.

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats<sup>3</sup> should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the ["Supplemental Information on Migratory Birds and Eagles"](#).

---

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

THERE ARE NO FWS MIGRATORY BIRDS OF CONCERN WITHIN THE VICINITY OF YOUR PROJECT AREA.

## WETLANDS

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

THERE ARE NO WETLANDS WITHIN YOUR PROJECT AREA.

## **IPAC USER CONTACT INFORMATION**

Agency: Municipio of Lares  
Name: Jose De La Rosa  
Address: Calle 10 Ave Montecarlo #866  
City: San Juan  
State: PR  
Zip: 00924  
Email: jose.delarosa@aegroup-pr.com  
Phone: 7876159371

## **LEAD AGENCY CONTACT INFORMATION**

Lead Agency: Department of Housing and Urban Development





## United States Department of the Interior



FISH AND WILDLIFE SERVICE  
Caribbean Ecological Services Field Office  
Post Office Box 491  
Boqueron, PR 00622-0491  
Phone: (939) 320-3135 Fax: (787) 851-7440  
Email Address: [CARIBBEAN\\_ES@FWS.GOV](mailto:CARIBBEAN_ES@FWS.GOV)

In Reply Refer To:

07/03/2024 19:32:49 UTC

Project code: 2024-0111742

Project Name: Rehabilitación de La Plaza de la Revolución de Lares - Plaza Pública

Subject: Consistency letter for the project named 'Rehabilitación de La Plaza de la Revolución de Lares - Plaza Pública' for specified threatened and endangered species, that may occur in your proposed project location, pursuant to the IPaC determination key titled Caribbean Determination Key (DKey).

Dear Applicant:

Thank you for using the assisted evaluation keys in IPaC. This letter is provided pursuant to the Service's authority under the Endangered Species Act of 1973, as amended (ESA) (87 Stat. 884; 16 U.S.C. 1531et seq.). On July 03, 2024, Jose De La Rosa used the Caribbean DKey; dated April 03, 2024, in the U.S. Fish and Wildlife Service's online [IPaC application](#) to evaluate potential impacts to federally listed species, from a project named 'Rehabilitación de La Plaza de la Revolución de Lares - Plaza Pública'. The project is located in Lares County, Puerto Rico (shown below).

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@18.2948007,-66.87771003277112,14z>



The following description was provided for the project 'Rehabilitación de La Plaza de la Revolución de Lares - Plaza Pública':

The proposal aims to rehabilitate the Plaza through a more open design, encompassing various modifications such as repairing and expanding stairs on Don Pedro Albizu Campos Street, implementing a new layout for the Public Square, repairing fountains, rehabilitating platforms, establishing a new café in the plaza area, installing an electrical system with separate power meter and exterior outlets, relocating lighting and benches based on the new design, improving sidewalks to meet ADA standards, developing green areas with landscaping and tree relocation, rehabilitating the existing mosaic showcasing Puerto Rican art, and enhancing the plaza drainage and stormwater systems.

Based on your answers and the assistance of the Service's Caribbean DKey, you determined the proposed Action will have "No Effect" on the following species:

Species	Listing Status	Determination
Puerto Rican Boa ( <i>Chilabothrus inornatus</i> )	Endangered	No effect

Thank you for informing the Service of your "No Effect" determination(s) for this project. No further consultation/coordination for this project is required for these species. However, be aware that reinitiation of consultation may be necessary if later modifications are made to the project so that it no longer meets the criteria or outcome described above, or if new information reveals effects of the action that could affect listed species or critical habitat in a manner or to an extent not previously considered, or if a new species is listed.

This letter serves as documentation of your consideration of the federally listed species as required under section 7 of the ESA. However, effects to the other federally listed species or critical habitat as listed below from the "IPaC print-out for the project" (see below) should be considered as part of your ESA review for the project.

The Service will notify you within 30 calendar days if we determine that this proposed Action does not meet the criteria for a "No Effect" (NE) determination for Federally listed species in the Caribbean. If we do not notify you within that timeframe, you may proceed with the Action under the terms of the NE concurrence provided here. This verification period allows the Caribbean Ecological Services Field Office to apply local knowledge to evaluate the Action, as we may identify a small subset of actions having unanticipated impacts. In such instances, the Caribbean Ecological Services Field Office may request additional information to verify the effects determination reached through the DKey.

**Note:** Projects located within the range of the Puerto Rican boa or the Virgin Islands tree boa might encounter these species during project activities. **This letter does not provide take to handle or move these species.** If relocation of the species is needed, please contact either the Puerto Rico Department of Natural Resources (DNER) at 787-724-5700, 787-230-5550, or 787-771-1124 for projects in Puerto Rico, or the Virgin Islands Department of Planning and Natural Resources, Division of Fish and Wildlife (DFW) at 340-775-6762 for projects in the

Virgin Islands. Otherwise, contact the Caribbean Ecological Services Field Office (caribbean\_es@fws.gov) to determine whether the consultation needs to be reinitiated.

If the proposed project is located within species range where a DKey has not been developed for those species, please follow the established guidance for initiating section 7 consultation Caribbean Ecological Services Field Office.

We appreciate your interest in protecting endangered species and their habitats. It is the Service's mission to work with others to conserve, protect, and enhance fish, wildlife, and plants and their habitats for the continuing benefit of our people. If you have any questions or require additional information, please contact our office at Caribbean\_es@fws.gov.





## QUALIFICATION INTERVIEW

1. Is the proposed project an EPA Multi-Sector General Permit (MSGP) renewal for an existing project? ([MSGP Fact Sheet](#))

No

2. Is the proposed project within an urban developed area? (i.e., cities, downtowns, shopping malls etc.)

**Note:** Urban and developed areas has one or more of the following characteristics: Presence of existing buildings, residential areas, and commercial establishments. Well-established infrastructure including roads, utilities, and urban facilities. High population density. Established neighborhoods and urban amenities ("urbanizaciones"). Developed landscape with paved surfaces, parking lots, and industrial areas. Signs of human activity and urbanization, such as shopping centers and recreational facilities. Location within the boundaries of a city or town ("casco urbano"). High concentration of built-up structures and limited open spaces. Aerial imagery might be requested to the applicant. .

Yes

3. [Hidden Semantic] Does the proposed project intersect the Puerto Rican boa area of influence?

**Automatically answered**

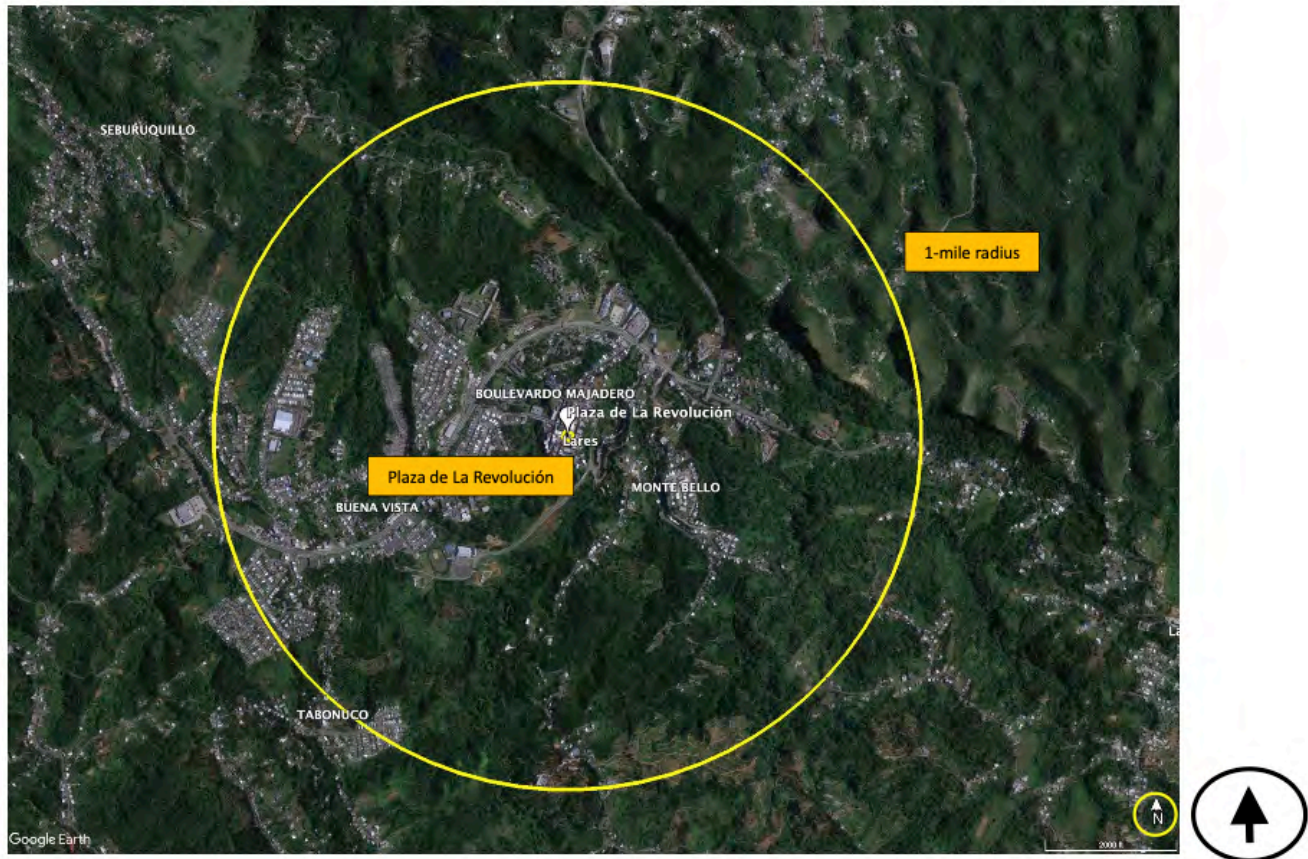
Yes

## **IPAC USER CONTACT INFORMATION**

Agency: Municipio of Lares  
Name: Jose De La Rosa  
Address: Calle 10 Ave Montecarlo #866  
City: San Juan  
State: PR  
Zip: 00924  
Email: jose.delarosa@aegroup-pr.com  
Phone: 7876159371

## **LEAD AGENCY CONTACT INFORMATION**

Lead Agency: Department of Housing and Urban Development



### Attachment 8: Explosive and Flammable Hazards

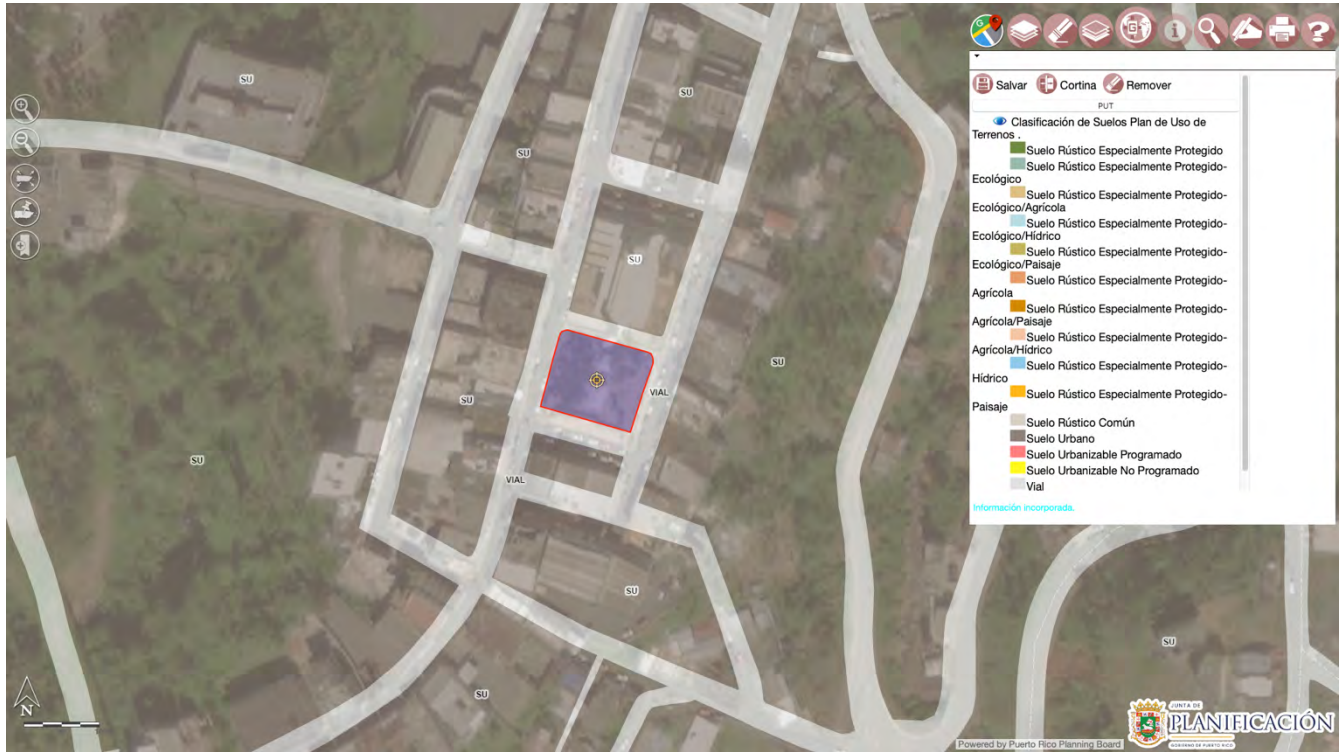
Project: Rehabilitación Plaza de la Revolución de Lares – Plaza Pública (PR-CRP-001088)

Location: Dr. Pedro Albizu Campos St., Downtown Lares, Lares, PR 00669 (Lat: 18.29482420, Lon: -66.87771951)

Source: Google Earth

Website: <https://www.arcgis.com/apps/MapTools/index.html?appid=e9e1788520a74242852b03494e739ea4>

Prepared By: Applied Engineering Group



### Attachment 9A: PR Planning Board Terrain Use Map

Project: Rehabilitación Plaza de la Revolución de Lares – Plaza Pública (PR-CRP-001088)

Location: Dr. Pedro Albizu Campos St., Downtown Lares, Lares, PR 00669 (Lat: 18.29482420, Lon: -66.87771951)

Source: Google Earth

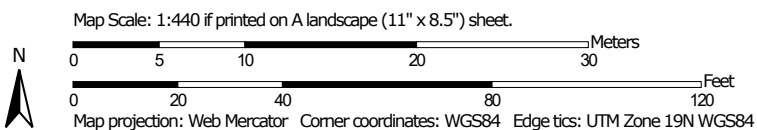
Website: <https://www.arcgis.com/apps/MapTools/index.html?appid=e9e1788520a74242852b03494e739ea4>

Prepared By: Applied Engineering Group



Attachment 9B  
USDA Web Soil Survey

# Farmland Classification—Mayaguez Area, Puerto Rico Western Part




**Natural Resources  
Conservation Service**

Web Soil Survey  
National Cooperative Soil Survey

12/20/2024  
Page 1 of 5









## 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

# Farmland Classification—Mayaguez Area, Puerto Rico Western Part

	Prime farmland if subsoiled, completely removing the root inhibiting soil layer		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 reclaimed of excess salts and sodium		Farmland of unique importance		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		Farmland of statewide importance, if irrigated and drained		Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season	<b>Soil Rating Points</b>			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, if irrigated and 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		Not prime farmland		Prime farmland if irrigated and reclaimed of excess salts and sodium
	Farmland of statewide importance		Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer		Farmland of statewide importance, if thawed		Prime farmland if protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance
	Farmland of statewide importance, if drained		Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60		Farmland of local importance		Prime farmland if irrigated		Farmland of statewide importance, if drained
	Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season				Farmland of local importance, if irrigated		Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season
	Farmland of statewide importance, if irrigated						Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance, if irrigated



# Farmland Classification—Mayaguez Area, Puerto Rico Western Part



## Farmland Classification

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
UI	Urban land	Not prime farmland	0.4	100.0%
Totals for Area of Interest			<b>0.4</b>	<b>100.0%</b>

## Description

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.

## Rating Options

*Aggregation Method:* No Aggregation Necessary

*Tie-break Rule:* Lower

Mapa Niveles de Inundación Base Recomendados



#### Attachment 10: FEMA Advisory Base Flood Elevation Map

Project: Rehabilitación Plaza de la Revolución de Lares – Plaza Pública (PR-CRP-001088)

Location: Dr. Pedro Albizu Campos St., Downtown Lares, Lares, PR 00669 (Lat: 18.29482420, Lon: -66.87771951)

Source: Mapas de Niveles de Inundación Base Recomendados por la Junta de Planificación.

Website: <https://www.arcgis.com/apps/MapTools/index.html?appid=e9e1788520a74242852b03494e739ea4>

Prepared By: Applied Engineering Group

Attachment 11

Historic Preservation SHPO Concurrence





OFICINA ESTATAL DE

# CONSERVACIÓN HISTÓRICA

GOBIERNO DE PUERTO RICO

Executive Director | Carlos A. Rubio Cancela | [carubio@prshpo.pr.gov](mailto:carubio@prshpo.pr.gov)

Thursday, June 5, 2025

**Lauren B Poche**

269 Avenida Ponce de León, San Juan, PR, 00917

SHPO-CF-11-05-24-01 PR-CRP-001088 (Lares), Rehabilitacion Plaza de la  
Revolucion de Lares

Dear Ms. Poche,

We acknowledge receipt of the archaeological monitoring work plan submitted on May 29, 2025, for the case mentioned above. The plan is deemed acceptable, and we concur with its implementation. Please notify the PRSHPO the archaeological monitoring start date 48 hours prior to the initiation of work.

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/ EVR



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

May 29, 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-12-21-23-04/SHPO-CF-11-05-24-01 - PR-CRP-001088 - REHABILITACION  
PLAZA DE LA REVOLUCION DE LARES- PLAZA PUBLICA, LARES, 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 21, 2024, in response to the submission of documentation for PR-CRP-001088, Rehabilitacion Plaza de la Revolucion de Lares- Plaza Publica project. The letter stated your office had determined your records supported the finding “that the proposed project with the established condition, will have no adverse effect upon PR-CRP-01088 Lares:

1. Archaeological monitoring to be conducted during ground disturbing activities that extend below 6 inches in depth, and the submission of a work plan for review and approval.”

As such, we are submitting the requested Archaeological Monitoring Plan prepared by Archaeologist Rosa A. Martínez Montero for this project. 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](mailto: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

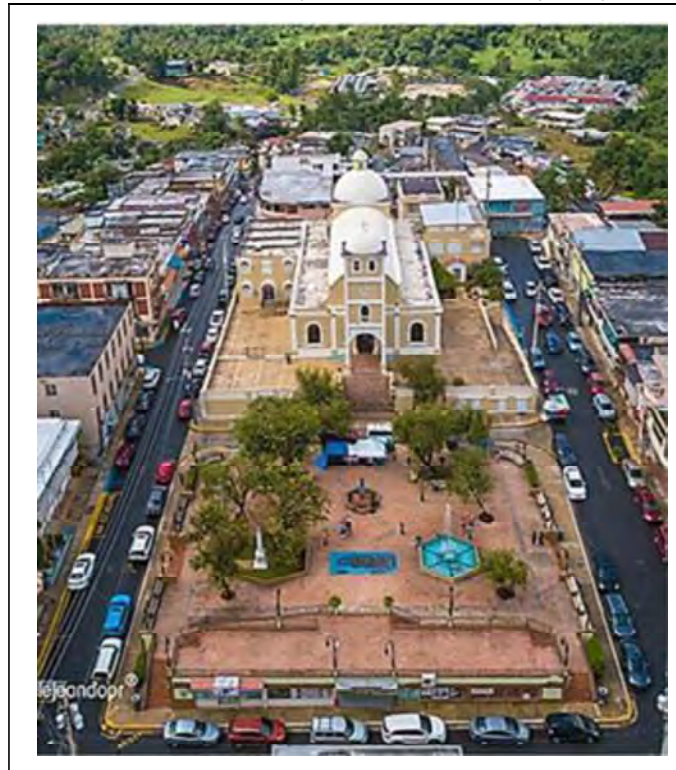


<b>PUERTO RICO DEPARTMENT OF HOUSING - CDBG-DR PROGRAM</b>	
<b>CITY REVITALIZATION PROGRAM (CRP)</b>	
<b>ARCHAEOLOGICAL MONITORING PLAN</b>	
<b>SUBRECIPIENT:</b> MUNICIPALITY OF LARES, PUERTO RICO	<b>PROJECT ID:</b> PR-CRP-001088
<b>PROJECT NAME:</b> Plaza de la Revolución (Traditional Main Square) Rehabilitation	<b>SHPO ID:</b> 12-21-23-04
<b>LOCATION:</b> Dr. Pedro Albizu Campos St. Lares, Puerto Rico 00669	
<b>COORDINATES:</b> LAT: 18.294829, LON: -66.877704	<b>TPID (CADASTER):</b> 158-060-038-01

<b>TYPE OF ACTIVITY:</b> <input checked="" type="checkbox"/> <b>SUBSTANTIAL REPAIR (RECONSTRUCTION)</b> <input type="checkbox"/> <b>NEW CONSTRUCTION</b>	<b>CONSTRUCTION DATE:</b> (AH EST.): 1827 <b>PROPERTY AREA (SIZE):</b> 0.414003 Acres
<b>QUALIFIED ARCHEOLOGIST (NAME):</b> Rosa A. Martínez Montero	<b>MONTH/YEAR PREPARED:</b> April 2025

*Project:* Plaza de la Revolución (Traditional Main Square) Rehabilitation



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. The plan was prepared by Archaeologist *Rosa A. Martínez Montero*, who meets the Professional Qualifications Standards set forth in 36 CFR Part 61.

PRDOH CDBG-DR Program/ CRP Program

**I. OVERVIEW/PREAMBLE**

The Municipality of Lares was approved Community Development Block Grant disaster recovery funds financed by the Federal Department of Housing and Urban Development in the aftermath of damages received by the 2017 Hurricanes Irma and Maria. An Agreement was established with the Puerto Rico Department of Housing (PRDOH) for the City Revitalization Program funds as part of the Community Development Block Grant for Disaster Recovery (CDBG-DR) Program. The Municipality of Lares was approved to rehabilitate and renovate Plaza de la Revolución (Traditional Main Square) Rehabilitation and strategically restore it as a resilience area for the community, while preserving the historic development of the space and of the Municipality of Lares. The Puerto Rico State Historic Preservation Office (PRSHPO), in a letter dated *November 21, 2024*, concurred with a decision of No Adverse Effect for this undertaking, conditioned to the implementation of an archaeological monitoring during all ground disturbing activities.

The undertaking will repair damages caused by hurricanes Irma and Maria. The proposed project seeks to rehabilitate and renovate the town plaza. Work will consist of demolition of the walls surrounding the plaza, repair and widening of the stairs along Don Pedro Albizu Campos and Vilella Streets, sidewalk improvements to comply with the Americans with Disabilities Act (ADA), landscape maintenance, rehabilitation of existing mosaics, improvements to the plaza's drainage system, replacement of flagstones in front of the church on the plaza, installation of bollards along 32 de Septiembre Street, rehabilitation of the existing deck, electrical improvements, and changes to the plaza's layout. These design changes will include the removal of the existing fountain and the construction of a new one with the Ramón Emeterio Betances monument at its center, new paving stones, the demolition of existing planters, the construction of a kiosk in place of an existing planter, the replacement/relocation of streetlights, and the renovation of street furniture. The project will be limited to the direct and indirect visual APE Length (North to South axis) is: 204.59 linear feet and width (East to West axis): 164.40 linear feet. The streets boundaries of the direct and indirect visual APE are North: A Street, South: Ramírez Street, East: Vilella Street and West: Dr. Pedro Albizu Campos Street and will not have an impact on other surrounding public space.

Objectives: This archaeological monitoring plan aims to: (1) institute measures to prevent indirect adverse effects to known historical resources; (2) implement the protocol to be followed in archaeological monitoring; (3) establish the procedure to be followed if previously unknown resources are identified; (4) set up the procedure to be followed if there are any unexpected or previously unanticipated adverse effects; (5) detect, assess and keep record of archaeological resources during project development; (6) retrieve as much archaeological information as possible during excavation and construction; (7) to preserve and enhance the value of the archaeological resources located and documented; and (8) if the archaeological resource cannot be preserved in situ, to conserve it through documentation (preservation by record).

**Figure 1: Project location** (Google Earth Pro- May 1, 2018)



This scope of work is divided into six (6) sections and three (3) appendixes. 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 a monitoring daily activity sheet (Appendix A) and SHPO letters (Appendix B) and project demolition and construction plans (Appendix C).

## II.

### PROJECT DESCRIPTION:

#### Plaza de la Revolución (Traditional Main Square) Rehabilitation

The municipality of Lares, originally a neighborhood of the Municipality of San Sebastián, was founded on April 26, 1827. In 1873, an alignment of streets in the urban area provided the space for the location of the current Plaza de La Revolución. Construction of this Plaza began in 1876 and was completed in 1878 under the name of Plaza España.

The Plaza remains under this name until 1890, when it was renamed Plaza Peral, and then in 1898, after the US occupation, Plaza Washington. Finally, in 1925, in memory of the act of Revolution against the Spanish government "El Grito del Lares", the Plaza was named "La Plaza de la Revolución" and remains under this name to this day.



The last reconstruction of the Plaza was performed in the 1990s, by Architect Miguel Soto Cuevas. This last remodeling entailed significant changes to the original plaza, including a new fountain, and a platform with shops on the ground floor, as well as leveling the space of the plaza and new floor layout. certified by ARPE on January 16, 1996 (currently the OGPe).



The Municipality of Lares, in its recovery efforts after the impact of hurricanes Irma and María, is seeking to provide the community with open spaces for recreation and distraction within the urban areas. The Municipality of Lares is trying to rehabilitate the plaza, and at the same time provide the community with an open space for passive recreation and gathering. The historical urban delimitation area is shown in Figure 2.





Figure 2 Traditional Urban Center Delimitation Map



### **Description of Proposed Interventions**

This proposal seeks to rehabilitate the Plaza with a more open layout. The full scope of the project is described in detail in the submitted documentation, which includes maps, photographs, and 90% of the design drawings (See: Appendix C). The proposed changes include the following:

1. Demolition of surrounding walls, repair, and expansion of stairs (Calle Don Pedro Albizu Campos and Calle Vilella).
2. New plan layout of the Public Square:
  - a. Removal of the existing fountain. A provision for a future time capsule will be left in this space.
  - b. Construction of new fountain surrounding Ramón Emeterio Betances monument.
  - c. Removal of paving stones and replacement with new tiles.
  - d. Demolition of planters.
  - e. In the area of one of the existing planters' locations, it is proposed the Installation of a new Coffee Shop.
  - f. Installation/relocation of lighting according to the new design
  - g. Installation/relocation of benches according to the new design
  - h. Addition of game tables and umbrellas for shading according to the new design.
3. Rehabilitation of Platform:
  - a. New coffee shop in the plaza area.
  - b. Installation of a metal structure with a light roof to avoid the occasional installation of temporary tents.
  - c. Demolition of ramp and installation of new in ADA compliance.
4. Electrical system to provide:
  - a. Power for new coffee shop
  - b. Installation of Power panels surrounding the Plaza to provide more secure connections for temporary loads (i.e., Christmas decorations, etc.).
  - c. Exterior 120 VAC outlets across the Plaza and the Platform.
5. Sidewalk improvements for ADA compliance.
6. Where applicable, maintenance of existing trees and vegetation.
7. Rehabilitation of the existing mosaic.
8. Improvements in the drainage system of the plaza and the pluvial system, where required.
9. Removal of tiles on the Calle 23 de September Street in front of the Catholic Church. New tiles installation in the Plaza. This Plaza floor finished side level will be paired to the same level of the street. This will provide the effect as if the street is an extended part of the Plaza.
10. Installation of Bollards with a chain to control traffic into the Calle 23 de September. After the demolition of the ramp, surrounding walls, planters, and fountain, all plaza floor bricks will be removed which will range from 4" to 6" inches from the existing level.

To the North side of the Plaza, is the Calle 23 de Septiembre that runs between the Plaza and the Catholic Church. Its construction is concrete with a central detail of cobblestones. As part of the work, these paving stones will be removed. The Plaza on the north side will be impacted to bring it to the same level as Calle 23 de Septiembre and

covered with a tile similar to the Plaza. The level of the north sidewalk will be lowered to bring it to the level of Calle 23 de Septiembre. This is approximately 4 inches from the current street level.

The current slab of the Plaza is covered by concrete pavers. These pavers will be removed, and the Plaza will be covered with new granite tiles. The ramp in front of the platform located on the South side of the plaza will be rebuilt to bring it into ADA compliance. The new ramp will be in the same location and will require footings no greater than 24 inches, below the level of the current slab of the plaza. It is expected that this area was previously impacted, given that the current plaza was backfilled in to bring all the earthenware to the same level, given the natural inclination of the land.

In the northwest area of the Plaza, the construction of a concrete slab is required to install a pre-built cast iron coffee shop. For this, an existing tree will be removed, and the kiosk will be located on the footprint of the planter. This slab may require a 6 inches thick structural concrete base.

The sidewalks surrounding the plaza will be replaced with new sidewalks, in the same place where the land was previously impacted, this is approximately 4 inches from the current street level.

## **PROJECT DESCRIPTION FOR ARCHAEOLOGICAL MONITORING**

Archaeological monitoring will be conducted at the Plaza de la Revolución (Traditional Main Plaza) Rehabilitation Project during ground disturbance activities extending below a 6-inch depth. The project will be limited to the direct and indirect visual APE. The length (north-south axis) is 204.59 linear feet, and the width (east-west axis) is 164.40 linear feet. The street boundaries of the direct and indirect visual APE are: A Street to the north, Ramírez Street to the south, Vilella Street to the east, and Dr. Pedro Albizo Campos Street to the west, and will have no impact on other surrounding public spaces.

The potential archaeological resources that may exist under the pavement of the “Plaza de la Revolución” de Lares are associated with the various remodeling phases of the square. The first sidewalks bordering the square were built in 1878, during the construction of the first designed plaza. The most significant impact activities are associated with the two remodeling of the 20th century. In particular, the remodeling of the 1920s when excavations were realized to open the footings for the ornamental fence and the new planter areas construction. During the remodeling of the 1980s, new excavations were done for the construction of the fountain and the water and electrical pipes that the fountain needs for its operation. The greatest impact of this last remodeling is in the southern sector of the Plaza, where the construction of the stage was carried out to the south of the square, and the construction of commercial areas situated under this stage that have their façade facing Ramírez Street. Lares Historical Plaza may keep “in situ” some remains of constructive elements associated with the different stages of construction and remodeling occurring in this historic space. Beginning with the foundation of the town of Lares in 1878, the Plaza of Lares has undergone four significant changes over time. The historical record shows that 4 stages of construction are associated with Project APE.

Based on the project assessment, six (6) historic properties were identified. One (1) of these is the Plaza de la Revolución (Traditional Main Plaza), a site of the APE. The other five (5) properties are located in the Visual APE.



After evaluating the archives and documents of government agencies (PR-SHPO / ICP-CAT), it was identified that none of the six properties are registered in the National Register of Historic Places (NRHP). Only two (2) properties are identified as buildings or places of historical and correspond to the Catholic Church, with codes SHPO LR0200001 and ICP/CAT LR-87 and the Public Plaza through a Heritage Resources Study of the Municipality of Lares conducted by PR-SHPO.

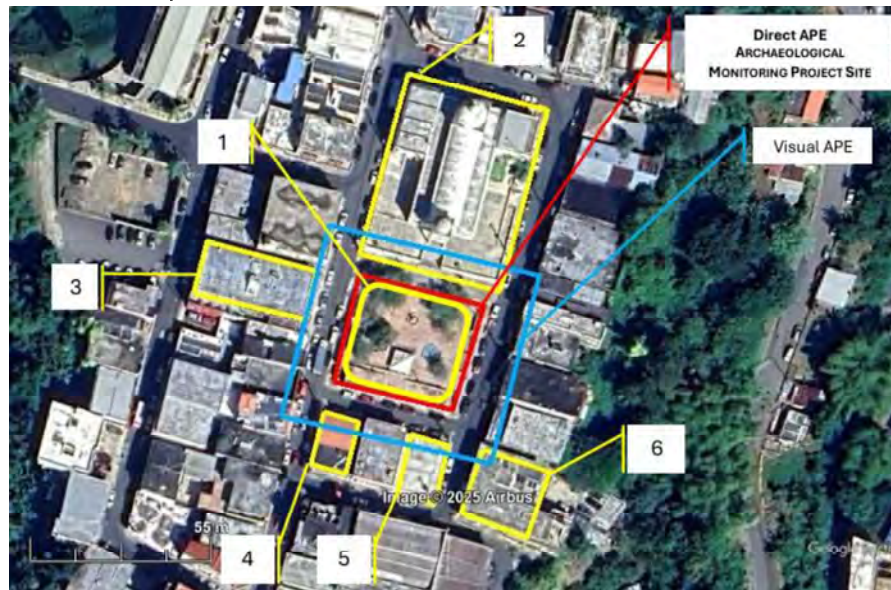
Based on the provided documentation, the Program concurrence with a determination that no adverse effect on historic properties is appropriate for this undertaking, conditioned on archaeological monitoring to be conducted during ground disturbance activities that extend below 6 inches in depth. However, it is noted that:

1. Activities involving heavy machinery in the vicinity of historic buildings must be monitored to prevent accidents and indirect impacts.

### III. HISTORIC PROPERTIES WITHIN THE APE:

The identification of six properties within the Area of Potential Impact (APE) highlights the historical significance of the Traditional Urban Center of the Municipality of Lares. These six properties can be seen in the figure 3 in relation to the direct and visual APE of the project, as well as information and descriptions about them.

Figure 3: Historic Properties within the APE/ Visual APE



#### LEGEND OF PROPERTIES

1. APE Traditional Urban Center, Registered Site<sup>1</sup>
2. Catholic Church, Registered Properties/(SHPO LR0200001 / ICP/CAT LR-87)
3. Town Hall, Non-Eligible
4. Private Property, Storage Creole Style. Non-Eligible
5. Private Property, Storage Creole Style. Non-Eligible
6. Private Property, Residence Creole Style. Non-Eligible (Intervened)

<sup>1</sup> PR-SHPO Archives, Estudio de los Recursos Patrimoniales del Municipio de Lares, Lares Urbano, Vol. II. V. J. López and J.F. Palitici, 1991.



## 1. Plaza de Lares

### APE Site

(Lat: 18.294829, Lon: -66.877704),

**Lares Traditional Urban Center, Registered Historic Property.**

The space demarcated as the public square of the town has existed since the beginning of the foundation of the town of Lares in 1827. Initially, the space in front of the San José church was defined with an embankment area, common to all the initial foundational urban processes in nineteenth-century Puerto Rico. During 1878, the first square design proposal was being constructed. In 1890 the Plaza was reconoced as “Plaza del Peral”. From this moment on, the public square of Lares has undergone innumerable changes over time. In 1880 the first design project for the Plaza de Lares was established (Figures 4 and 5).

Forty-five years later, in 1925, the third project of the Plaza was rebuilt this time, designed by the architect Francisco Levy<sup>2</sup> (Figure 6). After this remodeling, it was renamed "Plaza de la Revolución" in honor of the Heroes and Martyrs of the armed Revolution against Spain in 1868. On this occasion, I place an obelisk commemorating the deed of the "Grito de Lares". In 1968, on the celebration of the centenary of the Revolutionary Gesta of the Grito de Lares, a bust of the Puerto Rican patriot, Ramos Emeterio Betances, sculpted by the artist Rafael López del Campo, was placed in the Plaza de la Revolución. The square was redesigned again in the year ©1980 when it acquires its current appearance, this project was under Engineer Gilberto Reyes.<sup>3</sup>

Figure 4 View of the Plaza de Lares in 1914.<sup>4</sup>



<sup>2</sup> PR-SHPO Archives, Estudio de los Recursos Patrimoniales del Municipio de Lares, Lares Urbano, Vol. II. V. J. López and J.F. Paralitici, 1991.

<sup>3</sup> Ibid.

<sup>4</sup> Sepúlveda Rivera Aníbal, Puerto Rico Urbano, CARIMAR, Vol. 3, 2004. Page. 229.

Figure 5: View of the Plaza de Lares 1917. <sup>5</sup>



Figure 6: View of the Plaza de Lares in 1919-28. <sup>6</sup>



<sup>5</sup> Sepúlveda Rivera Aníbal, Puerto Rico Urbano, CARIMAR, Vol. 3, 2004. Page. 228.

<sup>6</sup> Ibid. Vol. 4, Page 244.

**2. San Jose Church, Lares Catholic Church**

**Registered Historic Property, (SHPO LR0200001 / ICP/CAT LR-87)**

**155.21 Linear Feet (0.029396 Miles) distance from APE. It is within the visual APE and contributes to the Lares Traditional Urban Center Historic District.**

**Lat: 18.295237, Lon: -66.877549.**

The San Jose Church of Lares was originally built in 1881. The building was designed by Ramon Soler. Originally the walls were built of masonry, and the two towers were built of wood (Figure 6). In 1878, “In front of the square, it is in very advanced work, to replace the wooden one, in poor condition that exists today, the parish church. The new one is made of masonry and for it, the amount of 24,000 pesos has been budgeted”.<sup>7</sup> During this period (1878-1930), the church was rebuilt and brought to its present form (A concrete roof was installed, and the front porch or hall, the two original towers were replaced with the present one. The existing concrete tower was added in c1930. (Figures 7, 8 and 9).<sup>8</sup>

Figure 7: Original San Jose Church in a photograph of 1899.<sup>9</sup>



<sup>7</sup> Sepúlveda Rivera Aníbal, Puerto Rico Urbano, CARIMAR, Vol. 3, 2004. Page. 226-227.

<sup>8</sup> PR-SHPO FILES: Masonry and brick building, built in 1880 to replace the previous one that existed in the same place, adding the existing concrete tower c1930. It is in front of the Plaza de Recreo, the center of the traditional urban area of the town since its foundation in c1827. The cultural association of this cultural property is with the Historical Period (Spanish Colonial) of the 19th century.

<sup>9</sup> Sepúlveda Rivera Aníbal, Vol. 3, 2004. Page. 227.

Figure 8: San José Church in a photograph of 1940.<sup>10</sup>



Figure 9: Sketch made by the Puerto Rico Historic Buildings Drawings Society of Lares San Jose Catholic Church.<sup>11</sup>



<sup>10</sup> <https://www.facebook.com/prilustrado/photos/a.2024964604254197/3976639149086723/?type=3&theater>

<sup>11</sup> <https://www.prhbds.org/lares>



### 3. The Lares City Hall

**Modern Intervention, Non-Eligible. 161.22 Linear Feet (0.030534 Miles) is within the visual APE and contributes to the Lares Traditional Urban Center Historic District. Lat: 18.294962, Lon: -66.878141.**

In the nineteenth century and the middle of the twentieth century, the municipality of Lares did not have a City Hall on the property. The City Hall was established in several rented properties just on the periphery of the Plaza and the San José Church. It was in 1956 when the first Mayor's Office of Lares was inaugurated in a building built for this purpose. This first City Hall was in front of the Court of Justice. To move the Mayor's Office, in front of the "Plaza de la Revolución" in 1977, the current building that houses the Lares City Hall was built and inaugurated. Currently, the building of Lares City Hall is 67 years old. (Figure 10).

Figure 10. Lares City Hall in 1991.<sup>12</sup>



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<sup>12</sup> PR-SHPO Archives, Estudio de los Recursos Patrimoniales del Municipio de Lares, Lares Urbano, Vol. II. V. J. López and J.F. Paralitici, 1991.

4. **Non-Eligible commercial property**, 137.6 Linear Feet (0.026061 Miles) distance from APE. It is within the visual APE and contributes to the Lares Traditional Urban Center Historic District. Lat: 18.294554, Lon: -66.877912.  
Materials: Façade reinforced concrete interventions.



5. **Non-Eligible commercial property**, 133.28 Linear Feet (0.025242 Miles) distance from APE. It is within the visual APE and contributes to the Lares Traditional Urban Center Historic District. Lat: 18.294491, Lon: -66.877663.  
Materials: interventions. Façade reinforced concrete



6. **Creole Style residence property. Eligible (as per SHPO records),** 186.03 Linear Feet (0.035233 Miles) distance from APE is within the visual APE and contributes to the Lares Traditional Urban Center Historic District. Lat: 18.294424, Lon: -66.877422.

Only the second level façade plane is original. Materials: Façade reinforced concrete interventions on first level. Wood construction and wrought iron handrail in projected balcony on second level.



According to the historical context of the island, artifacts of ceramics, glass, and metal, bones, among others, can be found related to past societies lifestyles. Also, artifacts related to the island military role or the metropolis during the centuries of colonization could also be found. Likewise, attention should be paid to the effects that demolitions may have on historic structures eligible for the NRHP in the vicinity of the project.

#### **IV. 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 and excavations. Those construction 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 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). The GM shall notify the State Historic Preservation Office (SHPO) of the construction start date and the archaeology company charged with implementing this Plan.
2. Before any demolition or construction begins, the 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 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, with the support of the Contractor, will delimit in the field with paint or some other permanent means the boundary of the area that is subject to archaeological monitoring.
5. The Monitor will document the historic properties (NRHP-listed and eligible) located within the project's area of potential effects by means of verbal descriptions and photographs. This documentation shall be included as an appendix to the first weekly report.

##### **B. During Demolition and Construction**

1. The Monitor shall be in the field during all project activities involving demolition and ground disturbance; access and clear sightlines to all demolition and excavation activities and debris removal will be provided to the Monitor. In the event of simultaneous excavations in different areas of the project, an archaeologist should be assigned to each area.
2. 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.
3. The Monitor shall keep a record of monitored activities. The Monitor shall fill out the Daily Record of Activities Form including photos of the area of interest. These Forms will be attached to the final report as an appendix. These forms shall be emailed to the GM during the following week in which the monitoring was conducted.
4. The Monitor shall document all archaeological remains identified during construction activities, except for previously unidentified historically significant findings (refer to B-6 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 as much as possible, not to impact on the project schedule.

- a. The documentation may require extending the contractor excavations to expose and define the finds. Associated stratigraphy will be documented and representative samples of associated artifactual material will be recovered. For structural remains, construction materials and techniques will be documented. The controlled units may vary in size according to the nature and dimensions of the archaeological find. These will be excavated by strata, cultural or natural, with vertical and horizontal control. When warranted, the removed soil will be sifted through ¼ inch mesh. The recovered artifactual material will be bagged and labeled by specific origin. It shall proceed in accordance with the protocol included in item B-7.
5. 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.
6. 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 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 finding. The assessment shall include a description of the discovery, location, horizontal and vertical extent (if known), context, photographs, and drawings, as deemed necessary. The assessment shall also include a work plan for implementing a National Register of Historic Places' eligibility evaluation of the exceptional remains (in other words, an evaluation of significance and integrity).
  - 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 finding, 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.
    - iii. 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](http://www.nps.gov/history/locallaw/arch_stnds_7.htm)), 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](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 IV.D of this work plan).

7. Processing of archaeological artifacts, if any, will be conducted concurrently with the field work. A summary of these activities shall be included in the monthly report. Artifacts shall be curated and processed in accordance with the standards set forth in 36 CFR Part 79 Curation of Federally-Owned and Administered Archaeological Collections.
  - a. Artifacts shall be washed and sorted. Materials such as ceramics, lithics, shell, bone, glass, metal, and others, should be subject to general analysis considering aspects such as material, manufacture, style, function, type, variety, use, and others. Due to their nature, some of these materials require specialized analysis such as studies of malacology, zooarchaeology, bioarcheology, among others, which should be carried out by specialists. The classification scheme used in the classification will be chosen by the archaeologist according to the context, type of material recovered and previous experience. The classification scheme shall be referenced with available bibliographic references.
  - b. The materials laboratory shall include a quantitative, qualitative, and comparative analysis of all archaeological materials recovered during archaeological monitoring. An inventory of artifacts by category, and a catalog of artifacts by material type shall be prepared.
  - c. Photographic documentation shall be made of representative artifacts in the collection.
  - d. If necessary, documentary research will be conducted for analysis and interpretation of artifacts and other finds.
  - e. Samples from strata or from particular cultural elements must be properly packaged, labeled and preserved. The data resulting from their analysis must be included in the final report.
8. If any additional construction activities are added or design changes are made after the project has begun, the CM and PM, prior to performing the work, shall inform the GM and the Monitor. 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 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.
9. If during construction activities a historic property is affected in an unanticipated manner, the CM shall stop work immediately, and inform the 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 PM and GM shall be notified. The estimated date of delivery of the final report shall be indicated in the said notification.
2. The Monitor shall again document the historic properties located within the project's area of potential effects. The condition of the properties should be compared with those documented at the beginning of the project. This documentation shall be included in the final technical report.
3. A Final Archaeological Monitoring Report shall be prepared and submitted by the date stipulated in the End of Field Report. This report shall include a description of the work performed, the construction activities that were archaeologically monitored, and documentation of unexpected finds, if any. It should also include final documentation of the condition of the properties along with a comparison of the final condition of the structures to the initial condition

### **D. Human Remains**

If human remains are discovered, the protocol established in Stipulation III.B.1.c. of the PA, must be followed:

1. Stop work 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.
5. The services of a physical anthropologist or specialist in bioarcheology will be required.

### **V. 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](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.

## VI.

### CITED REFERENCES:

#### Advisory Council on Historic Preservation

2009 ACHP recommendations of recovery of significant information from archaeological sites

[https://www.achp.gov/protectinghistoricproperties/Section\\_106\\_Archaeology\\_Guidance](https://www.achp.gov/protectinghistoricproperties/Section_106_Archaeology_Guidance).

#### SOI Archaeologist Norma Medina-Carrillo / SOI Architectural Historian Carlos Ferrán

2023 Puerto Rico 2017 Disaster Recovery, CDBG-DR Program.

City Revitalization Program Plaza de la Revolución (Traditional Main Square) Rehabilitation, Lares Puerto Rico. Section 106 - NHPA Effect Determination Form.

#### National Park Service

“Archeology and Historic Preservation: Secretary of the Interior’s Standards and Guidelines [As Amended and Annotated] Professional Qualification Standards”.

[https://www.nps.gov/history/local-law/arch\\_stnds\\_9.htm](https://www.nps.gov/history/local-law/arch_stnds_9.htm)

“Archeology and Historic Preservation: Secretary of the Interior’s Standards and Guidelines for Archeological Documentation”. [http://www.cr.nps.gov/local-law/arch\\_stnds\\_7.htm](http://www.cr.nps.gov/local-law/arch_stnds_7.htm)

#### Applied Engineering Group


2024 90% Design Drawing. Plaza de la Revolución (Traditional Main Square)

Rehabilitation, Lares Puerto Rico

PR-CRP-001088



VII. APPENDIX A:

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>CITY REVITALIZATION PROGRAM (CITY-REV)</b> <b>Section 106 NHPA Effect Determination</b>		
Project Name:		
Case ID:	City:	
Project Coordinates:		
<b>SOI Qualified-Archaeologist:</b>		
<b>Archaeologist Assistant:</b>		
Date of Monitoring:		
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 required information below.	<input type="checkbox"/>	<input type="checkbox"/>
Was an exceptional archaeological remain identified during the day? If yes, explain below.	<input type="checkbox"/>	<input type="checkbox"/>
Have the construction activities affected a previously unidentified property or a known historic property in an unanticipated manner? If yes, explain below.	<input type="checkbox"/>	<input type="checkbox"/>
Has there been a change in the scope of work of the project? If yes, explain below.	<input type="checkbox"/>	<input type="checkbox"/>

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM  
CITY REVITALIZATION PROGRAM (CITY-REV)  
Section 106 NHPA Effect Determination



Project Name:

Case ID:

City:

Project Coordinates:

### Site Photos

Direction of Photo:  
Description:

Direction of Photo:  
Description:

**APPENDIX B:** Puerto Rico State Historic Preservation Office (PRSHPO) letters.



**GOVERNMENT OF PUERTO RICO**

**STATE HISTORIC PRESERVATION OFFICE**

Executive Director | Carlos A. Rubio Cancela | [carubio@prshpo.pr.gov](mailto:carubio@prshpo.pr.gov)

Thursday, November 21, 2024

**Lauren B Poche**

269 Avenida Ponce de León, San Juan, PR. 00917

SHPO-CF-11-05-24-01 PR-CRP-001088 (Lares), Rehabilitacion Plaza de la Revolucion de Lares

Dear Ms. Poche,

We acknowledge receipt of your submittal letter and revised design plans, dated November 5, 2024, regarding the above referenced project. After a review of all the documentation provided, the PRSHPO agrees with your finding that the proposed project with the established condition, will have no adverse effect upon PR-CRP-01088 Lares:

1. Archaeological monitoring to be conducted during ground disturbing activities that extend below 6 inches in depth, and the submission of a work plan for review and approval.

Please note that should the Agency discover other historic properties at any point during project implementation, you should notify the SHPO immediately. If you have any questions concerning our comments, do not hesitate to contact our Office.

Sincerely,

Carlos A. Rubio Cancela


State Historic Preservation Officer

CARC/GMO/ EVR



Cuartel de Ballajá (Tercer Piso), Calle Norzagaray, Esq. Beneficencia, Viejo San Juan, PR 00901 | PO Box 9023935, San Juan, PR 00902-3935

 787.721.3737

 [oech.pr.gov](http://oech.pr.gov)



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



November 5, 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 Program**

**SHPO-CF-12-21-23-04, PR-CRP-01088: Rehabilitacion Plaza de la Revolucion de Lares -  
Plaza Publica Project, Lares, Puerto Rico – Revised Design Plan – *No Adverse Effect, Conditioned***

Dear Architect Rubio Cancela,

On behalf of the Puerto Rico Department of Housing, thank you for your letter dated January 18, 2024, in which you conveyed the SHPO's concerns regarding the potential adverse impacts of the proposed project design. Further discussion with SHPO staff identified two primary concerns: (1) the removal of most trees, which have been an integral part of the plaza since the late 1800s, particularly those in front of the church, and (2) the removal of the symmetry that is currently present in the plaza (see Figure 1).

To address these concerns, the Subrecipient's design team has provided a revised design proposal for the plaza. The revised design maintains a row of trees in front of the church, one tree planting area along Calle Don Pedro Albizu Campus and two along Calle Vilella. Additionally, planters with shrubs are proposed along the wall on the Calle Ramirez side of the plaza. Benches are proposed surrounding each of these planting areas. The revised design maintains a strong center axis between the church and Calle Ramirez and the tree planting areas create an overall symmetry around the plaza. The rectangular and square planting areas surrounding the trees are reminiscent of those seen in the photographs in the Lares Plaza files documents at PR SHPO (see Figure 2).

The remainder of the revised design is consistent with the original design proposal, with minor alterations. The revised designs plans note the use of 24x48 light-toned granite tile for the interior of the plaza and 12x12 darker toned granite tile for the perimeter (Sheets A-1 and A-2), whereas the original design plans noted 12x14 granite tiles. The revised design does not include the game table with umbrella next to the existing obelisk as shown in the original design plans, and the two game tables along Calle Vilella have been

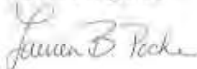
shifted to flank the two new tree planters. The kiosk is not dimensioned on the revised drawings, although it remains in the same location originally proposed and the footprint appears slightly reduced.

A comparison of the existing plaza, original design proposal, and revised design can be seen in Figures 3 – 5, and the revised design plans are attached.

Based on the revised design, the Program requests a concurrence with a determination that **no adverse effect** to historic properties is appropriate for this undertaking, conditioned to archaeological monitoring to be conducted during ground disturbing activities that extend below 6 inches in depth, and the submission of a work plan for review and approval.

Please contact me with any questions or concerns by email at [lauren.poeche@horne.com](mailto:lauren.poeche@horne.com) or phone at 225-405-7676.

Kindest regards,



**Lauren Bair Poche, M.A.**

Architectural Historian, EHP Senior Manager  
LBP/KPS

Attachments

Figure 1: Aerial photograph of existing plaza





Figure 2: Images of Lares Plaza from SHPO files





Figure 3: Existing Site Plan

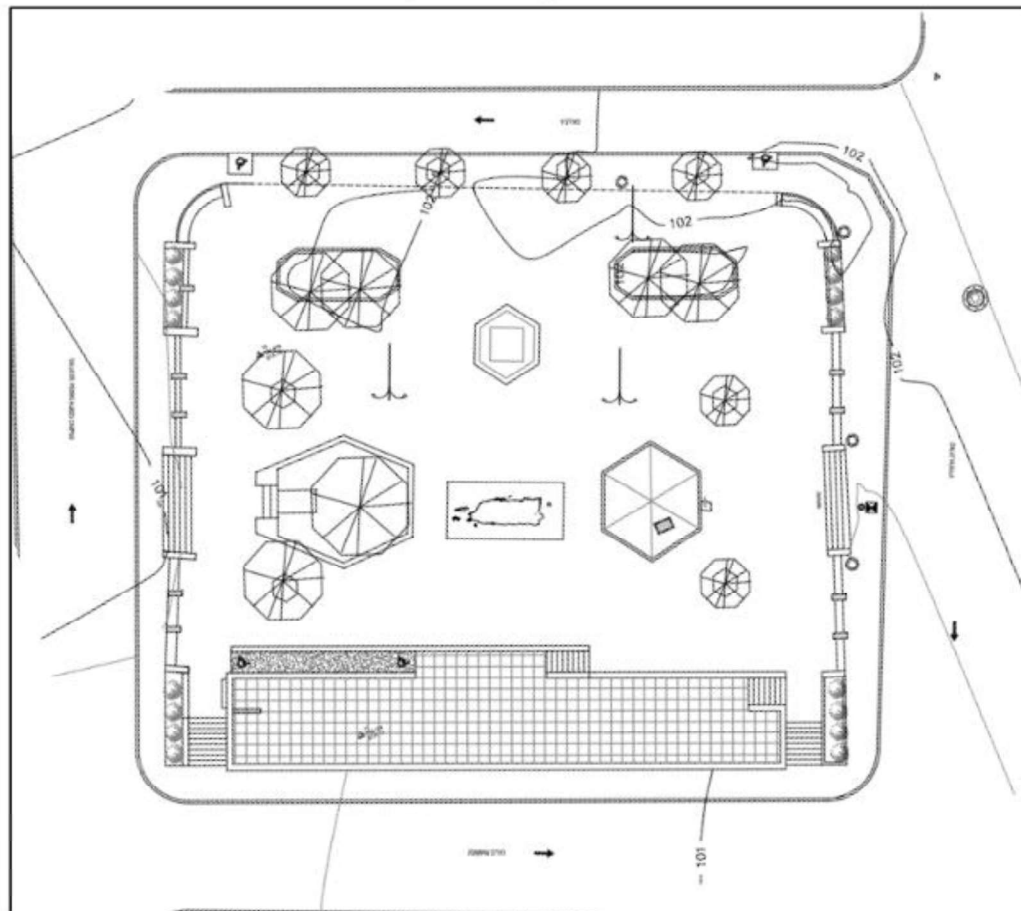
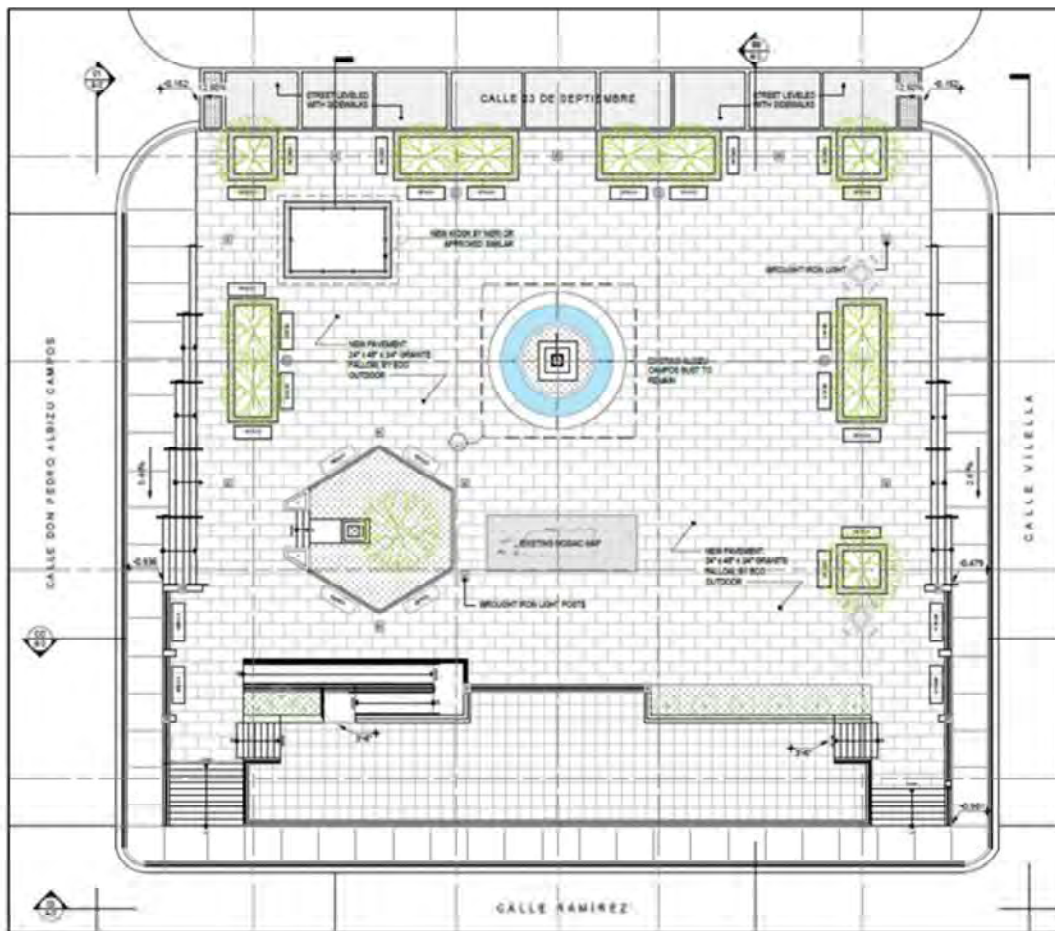


Figure 4: Original Design Proposal



Figure 5: Revised Design Proposal



## APPENDIX C:

## REVITALIZATION PROJECT PLAZA DE LA REVOLUCIÓN - PUBLIC SQUARE

PR-CRP-001088

**LARES, PUERTO RICO 00669**

**HON. FABIÁN ARROYO RODRÍGUEZ**



 KEY PLAN  
SCALE: SCALE: N.T.S.



SHEET INDEX

T-1	TITLE SHEET
<b>EXISTING CONDITIONS</b>	
ST-1	SURVEY AND TOPOGRAPHICAL WORK
EX-1	EXISTING PLAZA - FLOOR LAYOUT
EX-2	PLAZA ELEVATIONS
EX-2.1	PLAZA ELEVATIONS
<b>DEMOLITION PLAN</b>	
DP-1	PROPOSED DEMOLITION PLAN
DP-2	DEMOLITION NOTES
<b>ARCHITECTURAL</b>	
A-1	PROPOSED PLAZA LAYOUT
A-2	PROPOSED PAVEMENT PLAN
A-3	PROPOSED PLAZA ELEVATIONS
A-4	PROPOSED PLAZA - SECTIONS
A-5	THREE DIMENSIONAL VISUALIZATIONS
A-6	PROPOSED FOUNTAIN
A-7	PROPOSED LANDSCAPE
A-8	A-8 PROPOSED FURNITURE PLAN
A-9	LATERAL WALL ELEVATIONS AND DETAILS
A-10	STEEL CANTILEVER ROOF STRUCTURE DETAILS
<b>ELECTRICAL</b>	
E-1	ELECTRICAL NOTES AND LEGEND
E-2	LIGHTING DISTRIBUTION PLAN
E-3	POWER DISTRIBUTION PLAN
E-4	ONE LINE - RISER DIAGRAM
<b>MECHANICAL</b>	
M-1	PLUMBING GENERAL PLAN
M-2	PLUMBING NOTES AND DETAILS



PUERTO RICO MAP



ZONING PLAN:



### LOCATION PLAN



FLOOD PLAN

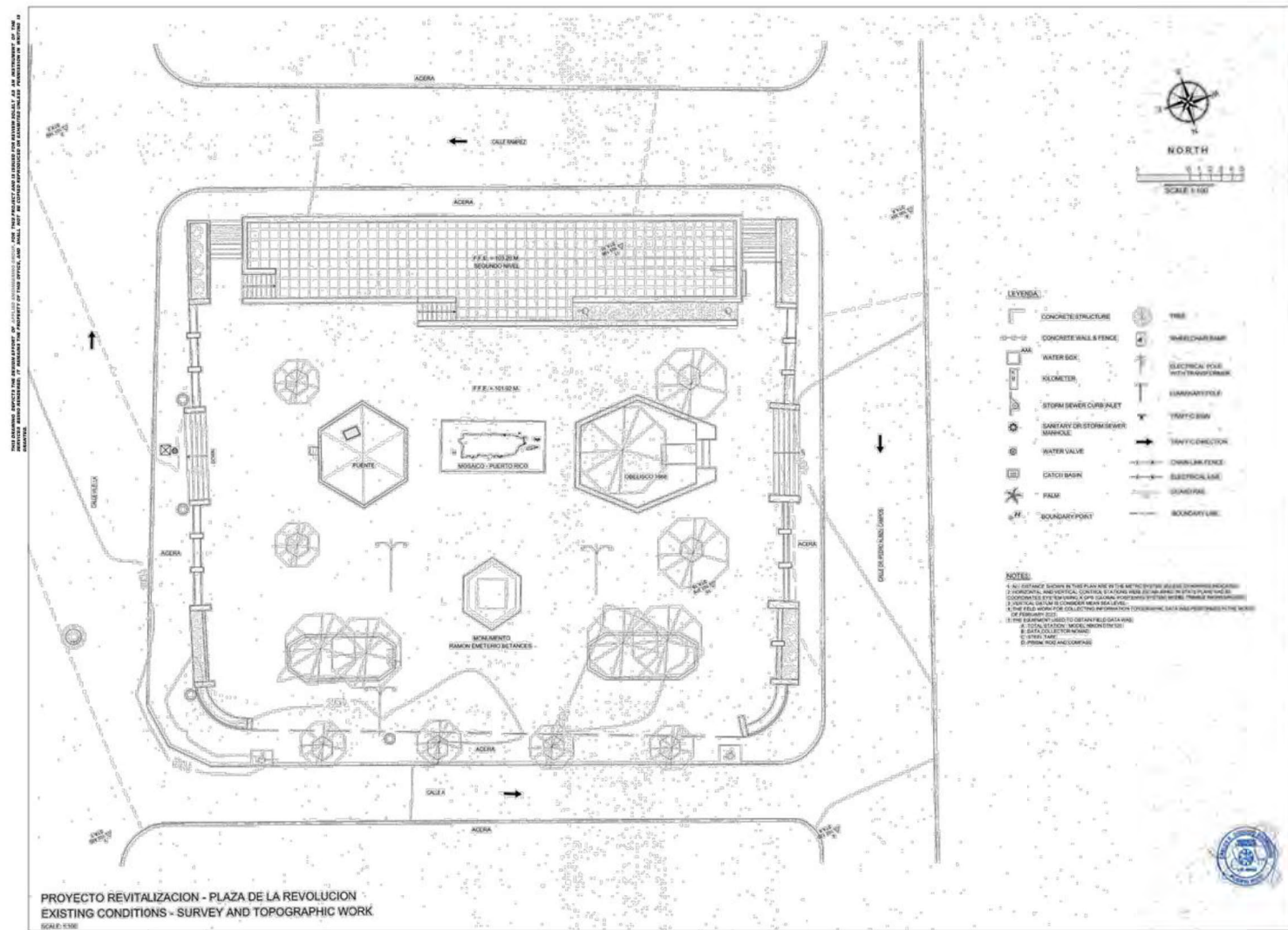


**CRIME MAP**

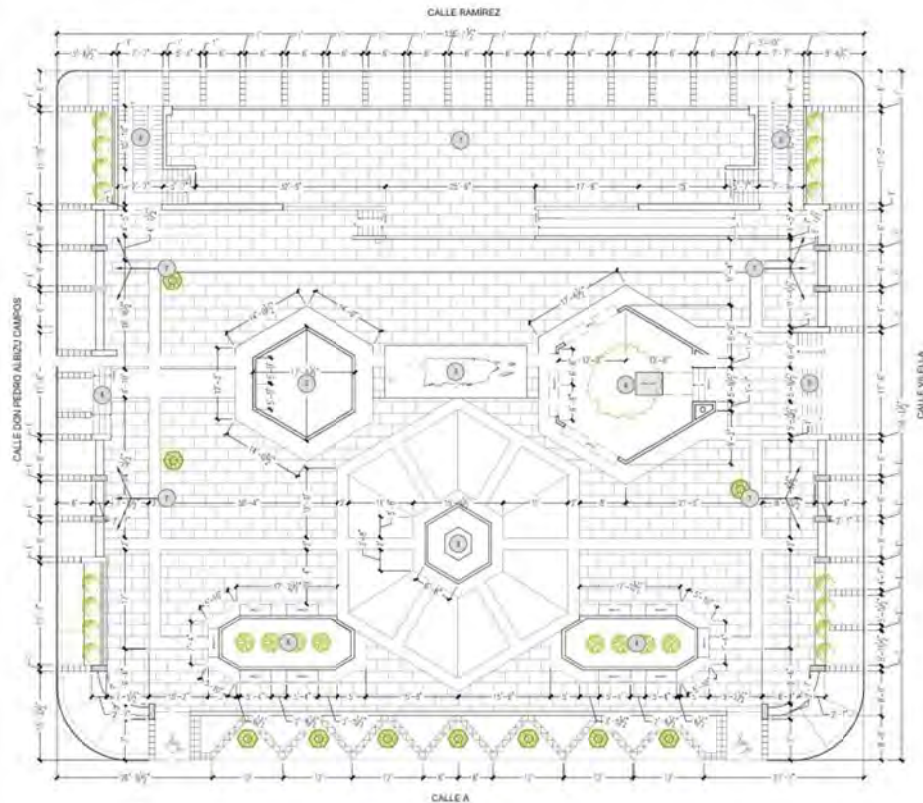


**APPLIED ENGINEERING GROUP**  
MANAGERS, ARCHITECTS, ENGINEERS AND PLANNERS



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- LEGEND:**
- ① STAGE PLATFORM
  - ② WATER FOUNTAIN
  - ③ MONUMENTAL FOUNTAIN
  - ④ CHILDS & JAVANA (ART)
  - ⑤ ALGATED BURE
  - ⑥ CLOVES PLANTERS
  - ⑦ COFFEE BECHES
  - ⑧ STAIRWAYS

- NOTES:**
1. ALL PHOTOGRAPHIC DOCUMENTATION HERE OBTAIN DURING A COORDINATE 9:15 AM AND DEMONSTRATE EXISTING ELEMENTS OF THE PLAZA.
  2. SEE SHEET 01-1 FOR EXISTING ELEMENTS THAT ARE TO BE REMOVED OR DEMOLISHED.
  3. SEE SHEET 01-1 FOR NEW PROPOSED GEOMETRIC LAYOUT AND THE PROVIDED PLAZA.



EXISTING CONDITION - GEOMETRIC LAYOUT PLAN VIEW  
SCALE: 1/8"=1'-0"



DATE:	04/20/2025
DESIGNER:	APPLIED ENGINEERING GROUP
PROJECT:	PLAZA DE LA REVOLUCION
LOCATION:	LAREDO, TEXAS
CLIENT:	MUNICIPIO DE LARES
PROJECT NO.:	PR-CPP-001068

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## EXISTING CONDITIONS

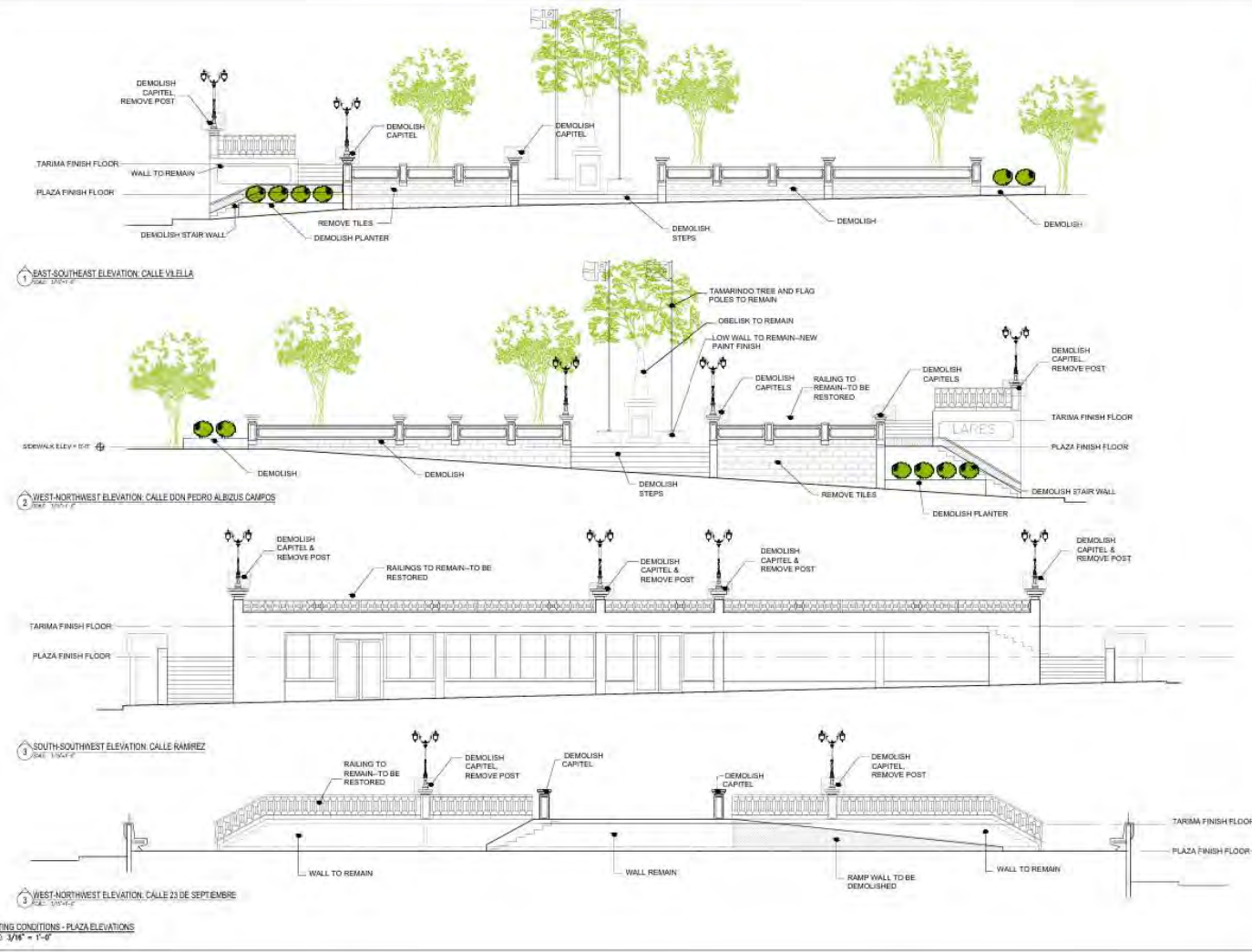
## REVITALIZATION PROJECT PLAZA DE LA REVOLUCION

MUNICIPIO DE LARES  
PR-CPP-001068

## A8-BUILT PLAN EXISTING CONDITIONS

DATE: Apr 2025  
DRAWN BY: EX-1

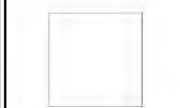
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PROJECT INFORMATION

PROJECT NO.	00000
DATE: 01/15/2025	01/15/2025
DATE: 02/05/2025	02/05/2025
DATE: 03/05/2025	03/05/2025
DATE: 04/05/2025	04/05/2025
DATE: 05/05/2025	05/05/2025
DATE: 06/05/2025	06/05/2025
DATE: 07/05/2025	07/05/2025
DATE: 08/05/2025	08/05/2025
DATE: 09/05/2025	09/05/2025
DATE: 10/05/2025	10/05/2025
DATE: 11/05/2025	11/05/2025
DATE: 12/05/2025	12/05/2025

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**PLAZA ELEVATIONS**

**REVITALIZATION PROJECT  
 PLAZA DE LA REVOLUCIÓN**

MUNICIPIO DE LARES, PR 00059  
 PR-CRP-001086

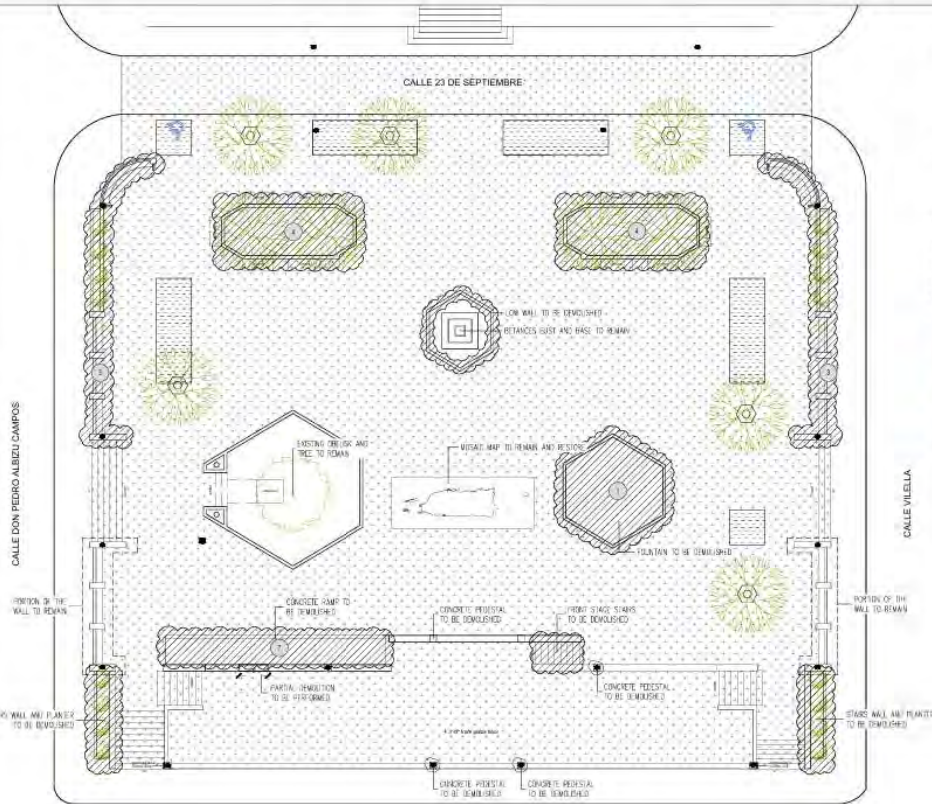
**A8-BUILT PLAN  
 EXISTING CONDITIONS**

DATE: Apr 2025

SCALE: EX-2



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- LEGEND**
- "GALLIPETerson chinensis" TREE
  - "TAMARINDUS INDICA" TREE
  - MEDIUM HEIGHT BERRY
  - EXISTING LIGHT POLE
  - EXISTING BENCH

- DEMOLITION LEGEND**
- ELEMENTS TO BE DEMOLISHED
  - PLAZA FINISH FILLING TO BE REMOVED
  - AREA TO EXCAVATE FOR NEW TREE



SIDEWALK FINISHES

**GENERAL NOTES:**

- EXISTING WATER EQUIPMENT AND EQUIPMENT ARE TO BE DEMOLISHED. A TMC CAPSULE WILL REMAIN IN ITS PLACE AND IDENTIFIED WITH A PLACQUE (140).
- ALL EXISTING IRON LAMP POSTS ARE TO BE REMOVED AND REPLACED BY NEW LAMP POSTS AS SHOWN IN SHEET 4-B.
- LATERAL LOW WALLS WITH INTEGRATED BENCHES (BENCHES AND ITS CONCRETE) ARE TO BE DEMOLISHED AS INDICATED.
- ALL RAISED CONCRETE PLANTERS ARE TO BE DEMOLISHED AND RECESSES/SHOULDER WILL BE RELOCATED.
- ALL EXISTING TREES THAT ARE MARKED IN AREAS FOR DEMOLITION ARE TO BE REPLANTED SOMEWHERE IN PLAZA WITH THE EXCEPTION OF THE TAMARIND TREE. NEW TREES WILL BE PLANTED FOLLOWING THE NEW DESIGN, AS SHOWN IN SHEET 4-C.
- SIDEWALKS ADJACENT TO THE PLAZA ARE TO REMAIN.
- CONTRACTOR SHALL THOROUGHLY POWER WASH ALL EXISTING SIDEWALK SURFACES. TO REMOVE DIRT, GRIME, AND ANY OTHER SURFACE CONTAMINANTS WITHOUT DAMAGING CONCRETE FINISHES.
- PRIOR TO POWER WASHING, DENSITY AND PRE-TREAT GUM SPOTS (USING APPROPRIATE GUM REMOVAL SOLUTIONS OR STEAM EQUIPMENT) TO LOOSEN RESIDUES. USE SPECIALIZED GUM REMOVAL TOOLS AS NEEDED TO SAFELY SCRAPE OR DISLODGE GUM WITHOUT DAMAGING THE SUBSTRATE MATERIAL.
- REMOVAL OF 12"x12" CORAL COLORED CONCRETE TILE TO BE REPLACED BY A 4" CONCRETE SLAB POUR ON SITE.
- EXISTING STAGE RAMP IS TO BE DEMOLISHED. A NEW ADA COMPLIANT RAMP WILL BE CONSTRUCTED IN ITS PLACE.
- STAIRS PERPENDICULAR TO MAIN STAIRS ARE TO BE PARTIALLY DEMOLISHED AS WELL AS THE FRONT STAIRS OF THE STAGE.

**NOTE TO CONTRACTOR:**

EXCAVATION WILL BE PERFORM AS FOLLOWS:

- EXCAVATE A HOLE TO A DEPTH OF 3 TO 5 FEET, BASED ON THE SIZE OF THE YOUNG ADULT TREE'S ROOT BALL. ENSURE THE HOLE IS 2 TO 3 TIMES WIDER THAN THE ROOT BALL TO ALLOW FOR HEALTHY ROOT EXPANSION.
- THE FINAL DEPTH SHOULD ENSURE THAT THE ROOT FLARE WILL SIT LEVEL WITH THE SURROUNDING PLAZA SURFACE ONCE THE HOLE IS BACKFILLED.
- DUE TO PRIOR RECONSTRUCTION AND POTENTIAL FILL MATERIAL IN THE PLAZA, THE CONTRACTOR MUST ANTICIPATE UNUSUAL COMPACTED OR ARTIFICIAL FILL. ENSURE CAREFUL REMOVAL OF THIS FILL, REPLACING IT WITH SUITABLE PLANTING SOIL.
- CONDUCT A SITE EVALUATION FOR POSSIBLE DEBRIS, RUBBLE, OR COMPACTED MATERIALS FROM PREVIOUS CONSTRUCTION. THESE MATERIALS SHOULD BE FULLY CLEARED AND REMOVED FROM THE SITE.
- ENSURE THE SUBGRADE IS STABLE AND WELL-DRAINED. COMPACTED OR UNSUITABLE FILL MATERIAL SHOULD BE REPLACED WITH APPROPRIATE PLANTING SOIL OR MIXTURE AS SPECIFIED BY A LICENSED PROFESSIONAL.
- THE BOTTOM OF THE HOLE SHOULD BE LEFT UNDISTURBED TO PREVENT SPRING, PROVIDING A STABLE BASE FOR THE TREE.
- PREPARE A MIX OF NATIVE SOIL AND HIGH-QUALITY PLANTING MIX FOR BACKFILLING. AMEND SOIL AS NECESSARY, ENSURING IT IS LOOSE AND WELL-AERATED TO PROMOTE ROOT GROWTH.
- AVOID EXCESSIVE COMPACTION OF THE BACKFILL SOIL. SHOULD BE FIRM BUT NOT OVERLY COMPACTED, ALLOWING FOR PROPER WATER INFILTRATION AND AERATION.
- CONFIRM THAT THE AREA AROUND THE TREE HAS ADEQUATE DRAINAGE. INSTALL A DRAINAGE SYSTEM IF NECESSARY TO PREVENT WATER ACCUMULATION AROUND THE ROOTS, ESPECIALLY CONSIDERING POTENTIAL WATER RETENTION DUE TO THE FILL FROM PAST RECONSTRUCTION.
- BEFORE BEGINNING EXCAVATION, IDENTIFY AND MARK ANY UNDERGROUND UTILITIES (WATER, GAS, ELECTRICAL LINES) TO AVOID DAMAGE DURING THE DIGGING PROCESS. ADJUST EXCAVATION PLANS AS NECESSARY TO AVOID INTERFERING WITH ANY UTILITY LINES.
- ENSURE THAT THE EXCAVATION AND TREE PLANTING SITE IS PROPERLY MARKED AND PROTECTED FROM OTHER CONSTRUCTION ACTIVITIES IN THE PLAZA TO AVOID ANY DAMAGE TO THE TREE OR ITS ROOT SYSTEM DURING THE ESTABLISHMENT PERIOD.

**PROPOSED DEMOLITION PLAN**  
SCALE 1/8" = 1'-0"



**APPLIED ENGINEERING GROUP, INC.**

10000 N. 10th Avenue, Suite 100, Phoenix, AZ 85021

PROJECT	PLAZA DE LA REVOLUCION
DATE OF REVIEW	04/20/2025
DATE OF REVIEW	04/20/2025
DATE OF REVIEW	04/20/2025
REVISION	04/20/2025
REVISION	04/20/2025
REVISION	04/20/2025

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**PROPOSED DEMOLITION PLAN**

**REVITALIZATION PROJECT  
PLAZA DE LA REVOLUCION**

MUNICIPIO DE LAREO, PR 00909  
PR-CRP-001068

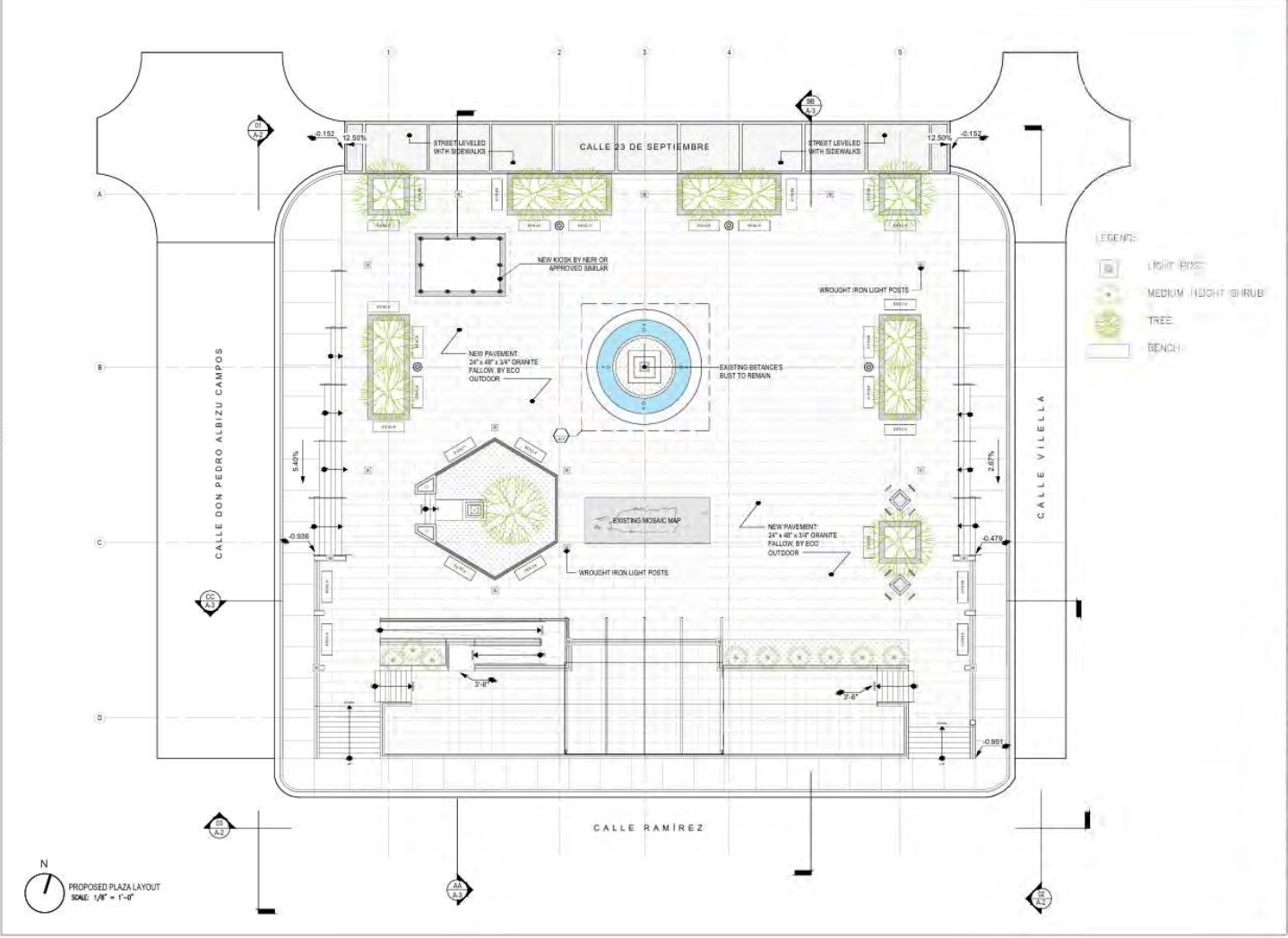
**EXISTING CONDITIONS  
DEMOLITION PLAN**

Apr 2025  
DP-1





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**APPLIED ENGINEERING GROUP**  
ARCHITECTURAL, ENGINEERING, PLANNING AND DESIGN

PROJECT: 102  
**PROPOSED PLAZA LAYOUT**

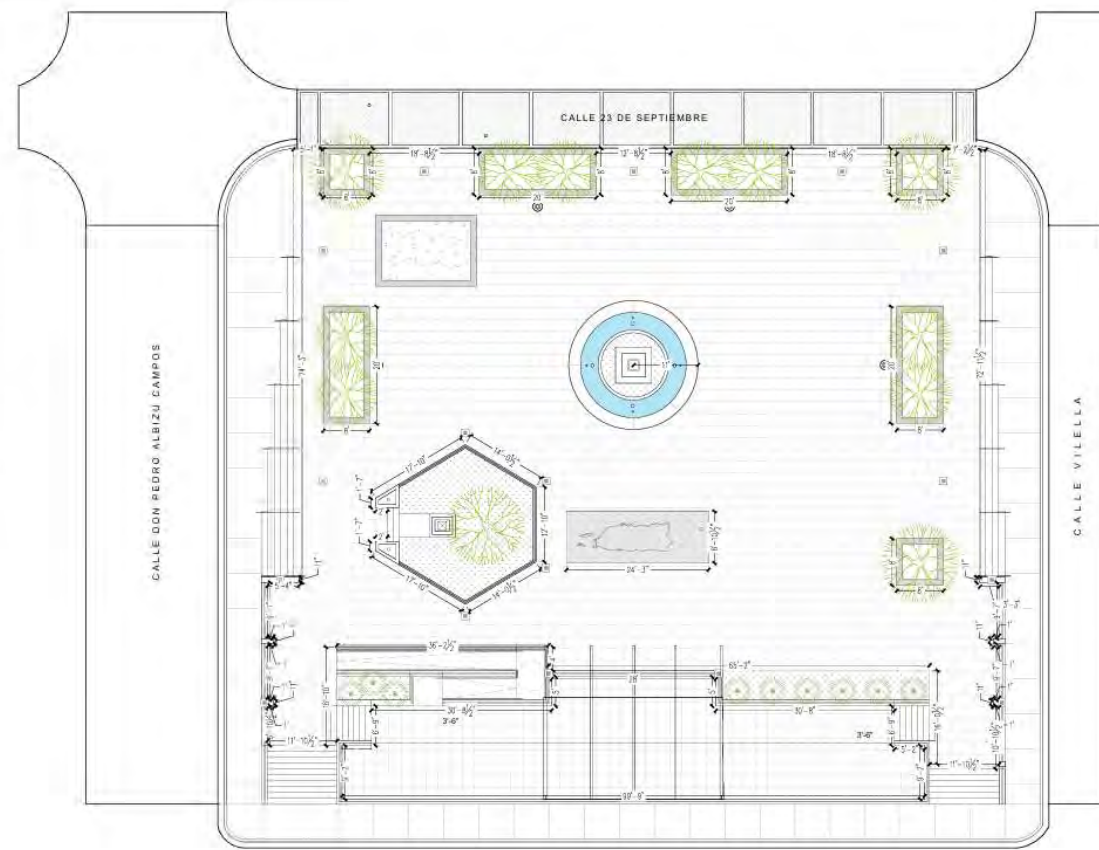
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**REVITALIZATION PROJECT  
PLAZA DE LA REVOLUCION**

MUNICIPIO DE LA RES, PR 00089  
PR-CRP-001088

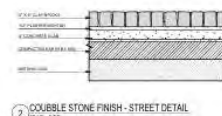
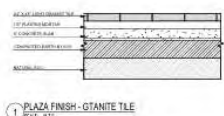
DATE:  
**NEW CONDITIONS  
ARCHITECTURAL**

DATE: Apr 2025  
A-1

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N  
PROPOSED PAVEMENT - PLAN VIEW  
SCALE: 1/8"=1'-0"



NOTE TO CONTRACTOR:

1. MEASURE THE TOTAL SURFACE AREA WHERE GRANITE TILES WILL BE INSTALLED. ENSURE DIMENSIONS ARE ACCURATE FOR EACH DESIGNATED SPACE.
2. GRANITE TILES TO BE USED ARE:  
24" X 48" - LIGHT TONED GRANITE TILE (INTERIOR)  
12" X 12" - DARKER TONED GRANITE TILE (PERIMETER)
3. CALCULATE THE REQUIRED NUMBER OF TILES BASED ON THE SURFACE AREA. INCLUDE A 10-15% OVERAGE FOR CUTS, WASTE, AND FUTURE REPAIRS.  
 $24" \times 48" = 3,761.87 \text{ FT}^2 \div 36 \text{ FT}^2 = 1,218.99 \text{ TILES}$   
 $12" \times 12" = 2,224.55 \text{ FT}^2 \div 1 \text{ FT}^2 = 2,224.55 \text{ TILES}$   
\*BUT TO ORDER ARE APPROXIMATE NUMBERS. CONTRACTOR SHALL CALCULATE TO ORDER BY THE FUTURE WORKSHEET.
4. CONSIDER GROUT JOINT SPACING WHEN CALCULATING FINAL TILE QUANTITIES.
5. INSPECT ALL GRANITE TILES UPON DELIVERY FOR UNIFORMITY IN THICKNESS, FINISH, AND COLOR. REJECT ANY DEFECTIVE PIECES.
6. STORE TILES IN A DRY, SAFE AREA TO PREVENT DAMAGE BEFORE INSTALLATION.

GENERAL NOTES:

1. AFTER THE REMOVAL OF THE EXISTING PLAZA FINISHES, CONTRACTOR MUST PREPARE THE SURFACE FOR NEW FINISH.
2. CONTRACTOR MUST PROVIDE A SAMPLE FOR DESIGNER'S APPROVAL PRIOR TO START CONSTRUCTION.
3. INTERIOR OF THE PLAZA'S FINISHES IS IN A LIGHT TONE GRANITE TILE (24" X 48") WITH A SPACING OF 3/16". THE TILE MUST FOLLOW A OFFSET/STAGGERED BRICK PATTERN.
4. A PERIMETER AROUND THE PLANTERS, WATER FOUNTAIN, AND KIOSK WILL BE PLACED WITH A DARKER TONE GRANITE 12" X 12" WITH A SPACING OF 3/16". THE STAIRS WILL HAVE THE SAME FINISH MATERIAL.
5. CONTRACTOR IS RESPONSIBLE FOR PROPER INSTALLATION.



APPLIED ENGINEERING GROUP  
1000 N. W. 10th Ave., Suite 100  
Fort Lauderdale, FL 33304  
Phone: (954) 571-1111  
Fax: (954) 571-1112  
Email: info@ae-group.com

REVISION	DATE
REVISION 1	04/11/21
REVISION 2	06/22/21
REVISION 3	06/22/21
REVISION 4	06/22/21
REVISION 5	06/22/21
REVISION 6	06/22/21
REVISION 7	06/22/21

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PROPOSED PAVEMENT PLAN

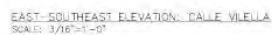
REVITALIZATION PROJECT  
PLAZA DE LA REVOLUCION

MUNICIPIO DE LAFAYETTE, PR 00609  
PR-CRP-001086

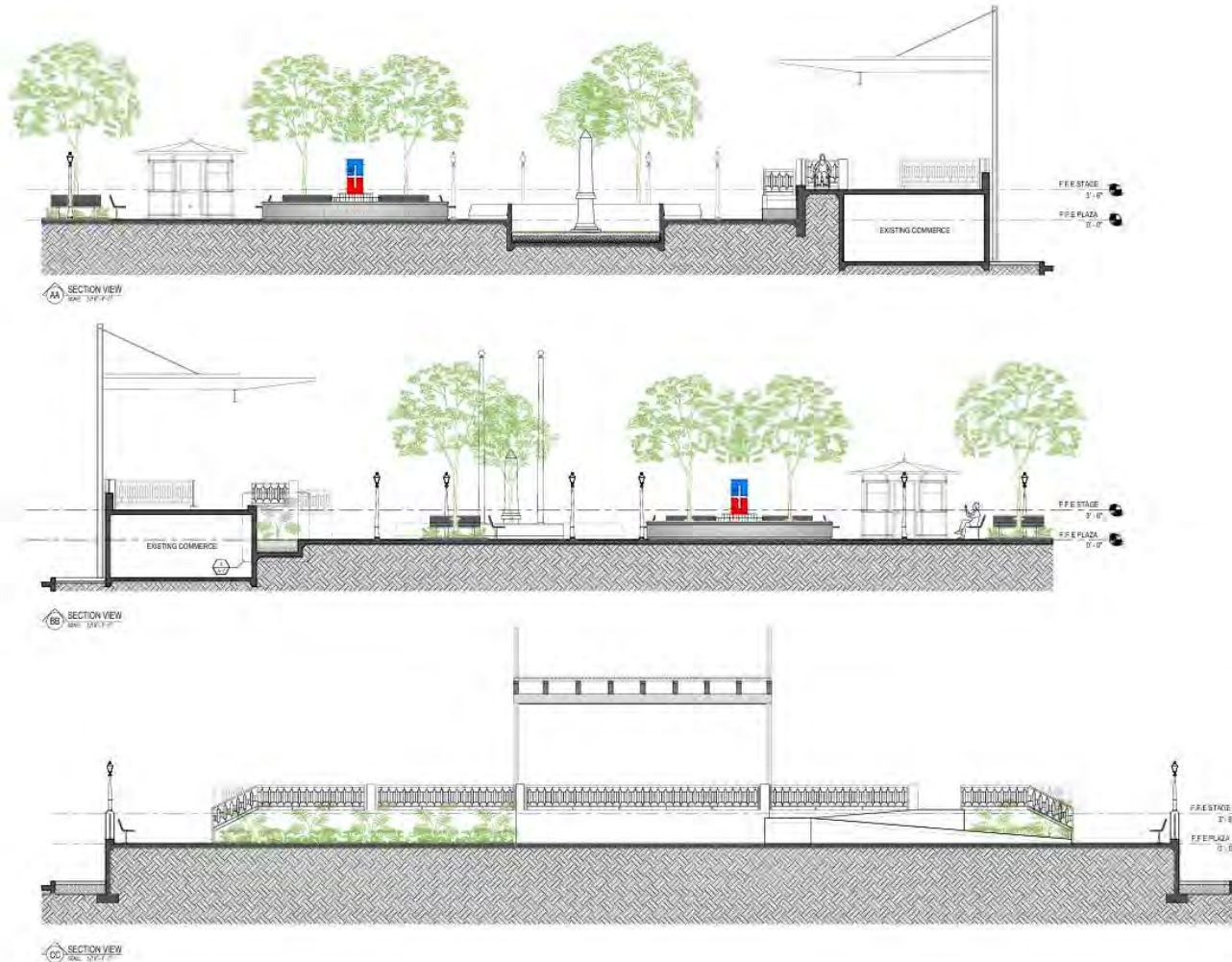
EXISTING CONDITIONS  
ARCHITECTURAL

Apr 2025  
A-2







[illegible]

La "comunicazione" degli italiani, secondo il nuovo sondaggio, non si è modificata in modo sostanziale, ma si è rafforzata. Il 60 per cento degli italiani ritiene che la comunicazione sia migliorata, contro il 45 per cento che ritiene che sia peggiorata. Il 35 per cento ritiene che sia rimasta la stessa. Il 15 per cento non sa o non risponde.

### PROPOSED PLAZA - SECTIONS

REVITALIZATION PROJECT  
PLAZA DE LA REVOLUCIÓN

MUNICIPIO DE LARES  
CRP-PR-001088

NEW CONDITIONS  
ARCHITECTURAL

Apr 2025

A-4



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PRY-00000002	100000000
PRY-00000003	100000000
PRY-00000004	100000000
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158

### THREE DIMENSIONAL VISUALIZATIONS

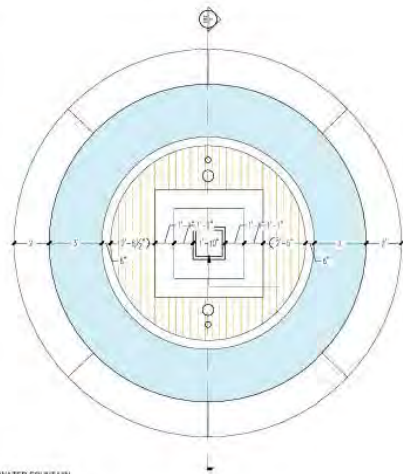
REVITALIZATION PROJECT  
PLAZA DE LA REVOLUCIÓN

MUNICIPIO DE LAREO, PR 00669  
PR-CRP-001068

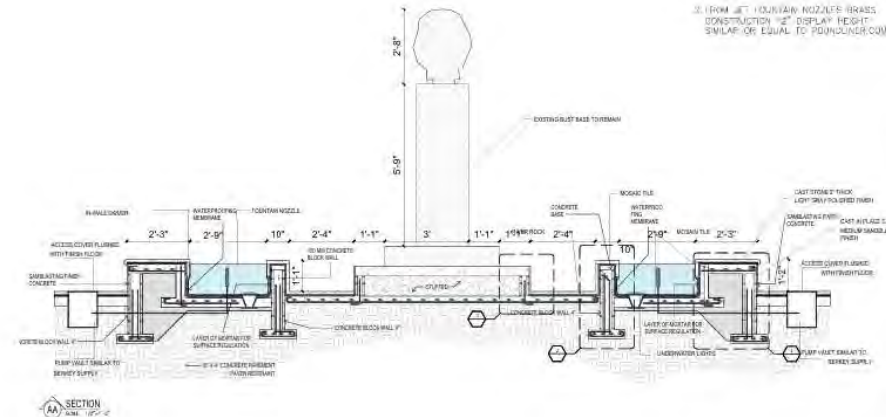
NEW CONDITIONS  
ARCHITECTURAL

APR 2025  
A-5

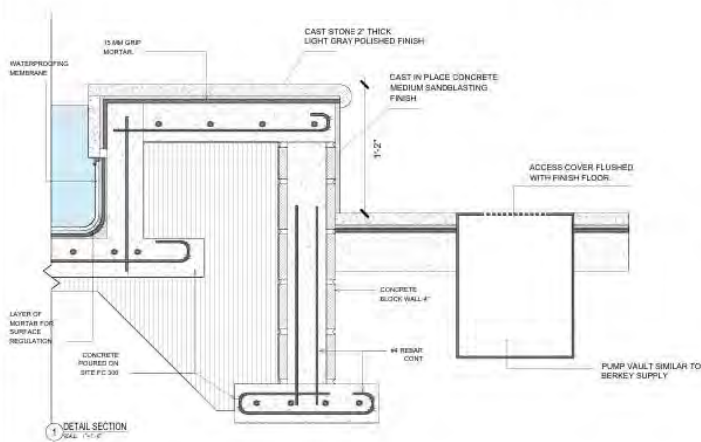
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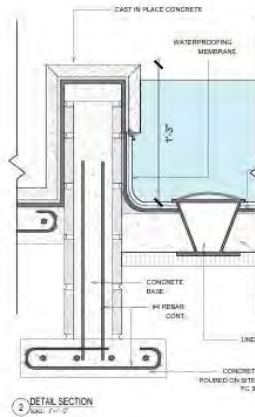
NEW WATER FOUNTAIN  
Scale: 1/8" = 1'-0"



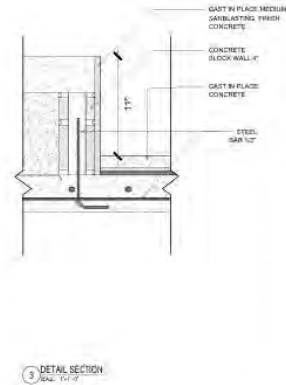
SECTION AA  
Scale: 1/8" = 1'-0"



1 DETAIL SECTION  
Scale: 1/4" = 1'-0"



2 DETAIL SECTION  
Scale: 1/4" = 1'-0"



3 DETAIL SECTION  
Scale: 1/4" = 1'-0"

- NOTES:
- INTERIOR OF THE FOUNTAIN IN RUBBED CONCRETE. PAINT WITH TWO COATS OF EPOXY PAINT FINISH WITH MOSAIC TILES.
  - FROM JET FOUNTAIN NOZZLES BRASS CONSTRUCTION 1/2" DISPLAY HEIGHT SWIRL OR EQUAL TO POUNCER.COM



APPLIED ENGINEERING GROUP  
1000 W. 10TH AVE. SUITE 100  
DENVER, CO 80202  
TEL: 303.733.1111  
WWW.AEGRP.COM

DESIGNER	AE
PROJECT	1000 W. 10TH AVE. SUITE 100
REVISION	1000 W. 10TH AVE. SUITE 100
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1. DESIGNER'S RESPONSIBILITY: DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE FOUNTAIN AND THE PUMP VAULT. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE FOUNTAIN AND THE PUMP VAULT. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE FOUNTAIN AND THE PUMP VAULT.



PROPOSED FOUNTAIN

## PROPOSED FOUNTAIN

### REVITALIZATION PROJECT PLAZA DE LA REVOLUCION

MUNICIPIO DE LARES, PR 00080  
PR-CRP-001088

### NEW CONDITIONS ARCHITECTURAL

Apr 2025

A-6



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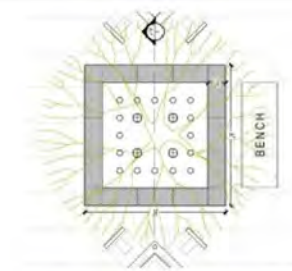
#### 1. PLAN OF IMPLEMENTATION FOR RESTORATION OF THE MOSAIC

1. PREPARATION:
  - A. REMOVE ANY FURNITURE OR OBSTRUCTIONS FROM THE AREA.
  - B. USE PLASTIC SHEETING OR PAINTER'S TAPE TO PROTECT NEARBY SURFACES AND AREAS FROM DUST AND DEBRIS.
2. CLEANING:
  - A. GENTLY CLEAN THE ENTIRE MOSAIC WITH A SOFT BRUSH AND A MILD DETERGENT SOLUTION TO REMOVE SURFACE DIRT AND GRIME.
  - B. FOR MORE THOROUGH STAINING, USE A SPECIALIZED TILE CLEANER APPROPRIATE FOR THE MATERIAL OF THE MOSAIC. AVOID HARSH CHEMICALS THAT COULD POTENTIALLY DAMAGE THE TILES.
3. REPAIRING:
  - A. CAREFULLY REMOVE ANY LOOSE OR DAMAGED TILES USING A GROUT AND HAMMER, TAKING CARE NOT TO DAMAGE SURROUNDING TILES.
  - B. CLEAN AND LEVEL THE SUBSTRATE WHERE TILES HAVE BEEN REMOVED TO ENSURE A SOLID FOUNDATION FOR NEW TILES.
  - C. IF NECESSARY, USE REPLACEMENT TILES TO FIT THE SPACES USING A TILE CUTTER.
  - D. APPLY AN APPROPRIATE ADHESIVE AND PLACE THE NEW TILES, ENSURING THEY ALIGN PERFECTLY WITH THE EXISTING PATTERN.
  - E. ONCE THE ADHESIVE HAS SET, APPLY GROUT TO FILL THE SPACES BETWEEN THE TILES. USE A GROUT FLOAT TO ENSURE EVEN APPLICATION AND REMOVE EXCESS GROUT WITH A DAMP SPONGE.
4. SEALING AND FINISHING:
  - A. AFTER THE GROUT HAS CURED, APPLY A QUALITY SEALANT TO PROTECT THE TILES AND GROUT FROM FUTURE STAINING AND WEAR.
  - B. ONCE THE SEALANT HAS DRIED, POLISH AND GROUT THE MOSAIC TO RESTORE ITS SHINE AND CLARITY.
5. FINAL PROTECTION:
  - A. INSPECT THE RESTORATION. CONDUCT A THOROUGH INSPECTION TO ENSURE ALL REPAIRS ARE SEAMLESS AND THE MOSAIC LOOKS CONSISTENT.

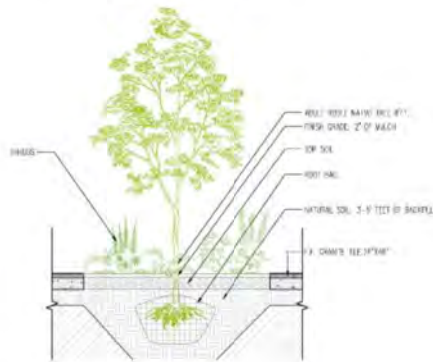
#### 2. MAINTENANCE PLAN

1. MONTHLY MAINTENANCE:
  - A. USE A SOFT BRUSH OR A MICRO-FIBER DUST WIP TO REMOVE LOOSE DIRT AND DUST FROM THE MOSAIC SURFACE.
  - B. USE A GENTLE PUMP SPRAY WITH A DILUTE NEUTRAL CLEANER TO CLEAN THE ENTIRE MOSAIC. ALWAYS USES EXCESSIVE WATER AS IT CAN SEEP INTO THE GROUT AND WEAKEN IT.
  - C. RINSE WITH CLEAN WATER AND DRY THE SURFACE THOROUGHLY WITH A SOFT CLOTH OR TOWEL.
  - D. INSPECT GROUT LINES. CHECK FOR ANY CRACKS OR AREAS WHERE THE GROUT IS WEARING AWAY.
  - E. REPAIR CRACKS IMMEDIATELY WITH A GROUT REPAIR KIT. IT HAS ESTIMATED IF NECESSARY, REPAIR THE NEW GROUT MATCHES THE EXISTING COLOR.
2. ANNUAL MAINTENANCE:
  - A. SEALANT REAPPLICATION:
    1. CHECK IF THE SEALANT IS STILL EFFECTIVE BY SPRINKLING A FEW DROPS OF WATER ON THE SURFACE. IF THE WATER IS ABSORBED, ITS TIME TO RESEAL.
    2. THOROUGHLY CLEAN AND DRY THE MOSAIC BEFORE APPLYING A NEW COAT OF SEALANT. FOLLOWING THE MANUFACTURER'S INSTRUCTIONS, APPLY THE SEALANT EVENLY ACROSS THE SURFACE. ALLOW IT TO DRY COMPLETELY BEFORE USING THE AREA.
  - B. PROFESSIONAL INSPECTION:
    1. CONSIDER HIRING A PROFESSIONAL TILE RESTORER TO INSPECT THE MOSAIC FOR ANY UNDERLYING ISSUES THAT MAY NOT BE VISIBLE DURING REGULAR INSPECTIONS.

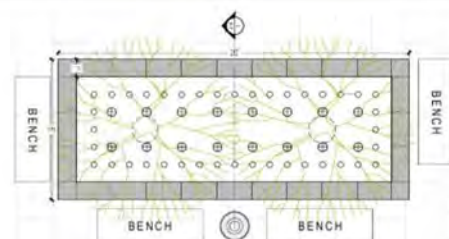
PROPOSED LANDSCAPING  
SCALE: 1/8" = 1'-0"



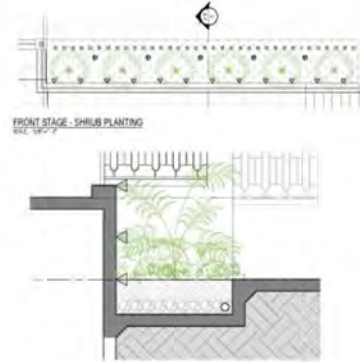
EXIST PLANTER - TREE AND SHRUB PLANTING  
SCALE: 1/8" = 1'-0"



1. TREE PLANTING - DETAIL SECTION  
SCALE: 1/4" = 1'-0"



EXIST PLANTERS - SHRUB PLANTING  
SCALE: 1/8" = 1'-0"



2. SHRUB PLANTING - DETAIL SECTION  
SCALE: 1/4" = 1'-0"

PLANTS NAME	DESCRIPTION	IMAGE	REMARKS
1. CRISTO	ORNAMENTAL PLANT		TO BE PLANTED 2' APART
2. DANIELA TASHAWA	ORNAMENTAL PLANT		TO BE PLANTED 1' APART
3. AREA PALM	ORNAMENTAL PLANT		TO BE PLANTED 1' APART IN FRONT OF STAGE
4. COMMON HY	ORNAMENTAL HY		TO BE PLANTED AT THE BASE OF THE STAGE
5. TERNARIA	PERENNIAL BUSH		2' OF NATURAL PLANTER PLANTING

- LEGEND:
- TERNARIA FLAX-LILY (DANIELA TASHAWA)
  - ⊕ CRISTO (CRISTO VAREZANO)
  - △ COMMON HY (CRISTO VAREZANO)
  - AREA PALM

#### NOTES:

1. THE RESTORATION OF THE MOSAIC WILL BE PERFORMED BY A LICENSED PROFESSIONAL. NEVER THE LATER IN HEAVY AND MONTHLY MAINTENANCE PLAN WILL BE IMPLEMENTED FOR FUTURE USE.
2. A 4' x 4' x 2" DARK TONE GRANITE TILE WILL BE USED FOR PLANTER'S BORDER.
3. SPECIES OF TREE:
  - A. CRISTO TREE (CRISTO VAREZANO)
  1. TOTAL OF 10 TILES 11
  2. SEE SHEET A-1 FOR FINAL LOCATION
4. FOR EXCAVATION NOTES REFER TO EXCAVATION SHEET (EXP-1)
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DAILY MAINTENANCE OF ALL LANDSCAPING INCLUDING PROPER CARE AND LIFTING OF PLANTING AND GENERAL LANDSCAPE HEALTH TO MAINTAIN THE AESTHETIC AND FUNCTIONAL QUALITY OF THE LANDSCAPE FOR AT LEAST 6 MONTHS AFTER THE CONSTRUCTION IS COMPLETE.

APPLIED ENGINEERING GROUP

LANDSCAPING

REVISION	DATE
1	APR 2025
2	APR 2025
3	APR 2025
4	APR 2025
5	APR 2025
6	APR 2025

1. THE RESTORATION OF THE MOSAIC WILL BE PERFORMED BY A LICENSED PROFESSIONAL. NEVER THE LATER IN HEAVY AND MONTHLY MAINTENANCE PLAN WILL BE IMPLEMENTED FOR FUTURE USE.



#### PROPOSED LANDSCAPE

#### REVITALIZATION PROJECT PLAZA DE LA REVOLUCION

MUNICIPIO DE LA HABANA, P.R. 00000  
PR-CRP-001088

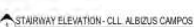
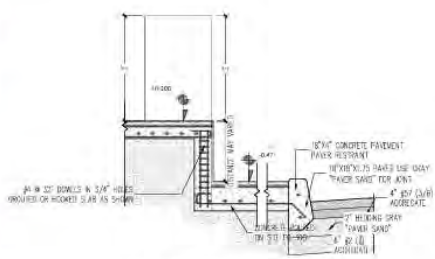
#### NEW CONDITIONS ARCHITECTURAL

Apr 2025

A-7







STAIRWAY DETAILS  
SCALE: N.T.S.

Cell	Value
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NE-H2DOM2	0.000000
NE-H2DOM3	0.000000
NE-H2DOM4	0.000000
NE-H2DOM5	0.000000
NE-H2DOM6	0.000000
NE-H2DOM7	0.000000

Le informazioni sono state raccolte durante la visita alla sede del servizio di controllo dei rifiuti, con gli uffici e con i responsabili amministrativi. Inoltre, i dati sono stati anche tratti dalle dichiarazioni relative alle attività di gestione affidate al servizio, più che dalle dichiarazioni di competenza e prodotte in sede di controllo, soprattutto in relazione ai processi di controllo stesso, per cui si può considerare che le informazioni siano state raccolte in modo esauriente e che non siano state omesse informazioni di natura rilevante per la valutazione del servizio. Le informazioni sono state raccolte in modo esauriente e non sono state omesse informazioni di natura rilevante per la valutazione del servizio.

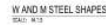
### LATERAL WALL ELEVATIONS AND DETAILS

**REVITALIZATION PROJECT  
PLAZA DE LA REVOLUCIÓN**

MUNICIPIO DE LAREO, PR 00669  
PR-CRP-001088

NEW CONDITIONS  
ARCHITECTURAL

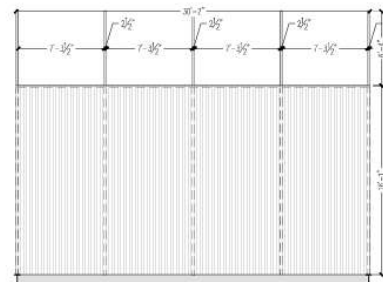
APR 2025  
 A-9



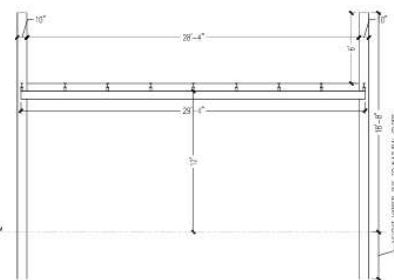
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			WIDTH (IN.)	THICKNESS (IN.)	THICKNESS (IN.)	
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	X 22	10-1/8	5-3/4	1/2	1/2	2
M 8		8	5-1/4	1/2	1/2	5



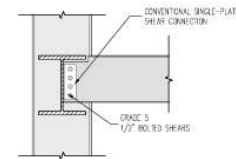
CANTILEVER STEEL ROOF  
SCALE: N.T.S.



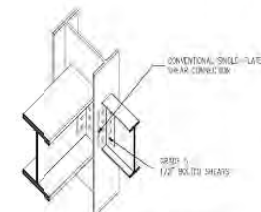
CANTILEVER STEEL ROOF - PLAN VIEW



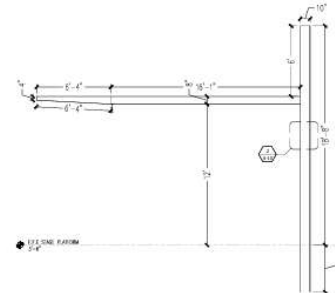
1 CANTILEVER STEEL ROOF - FRONT ELEVATION  
SCALE: 1/4" = 1'-0"



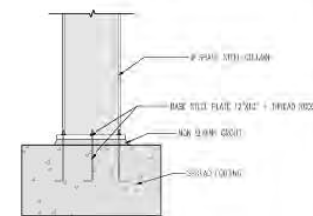
1 TYPICAL SHEAR CONNECTION - BEAM TO BEAM DETAIL



2 TYPICAL SHEAR CONNECTION - COLUMN TO BEAM DETAIL



2 CANTILEVER STEEL ROOF - LATERAL ELEVATION  
SCALE: 1/4" = 1'-0"

STEEL BASE AND COLUMN - PLAN VIEW  
 (SEE 1-1-C)

3 TYPICAL STEEL FOOTING-DETAIL

- NOTES TO CONTRACTOR

1. CONTRACTOR IS RESPONSIBLE TO MEASURE THE EXACT HEIGHT OF THE CANTILEVER ROOF. THE MEASUREMENT SHOULD CONSIDER THE NATURAL SLOPE OF THE TERRAIN
2. ASSEMBLE STEEL MEMBERS USING APPROVED CONNECTION METHODS, SUCH AS WELDED OR BOLTED CONNECTIONS. THE CONNECTIONS SHOULD BE DESIGNED TO RESIST ALL APPLICABLE LOADS (AMERICAN WELDING SOCIETY'S) STANDARDS FOR WEAR, RICHARDSON
3. VERIFY THAT ALL MEMBERS, INCLUDING STEEL BEAMS, CONNECTIONS, AND ROOFING PANELS, MEET THE SPECIFICATIONS OUTLINED IN THE APPROVED CONNECTION DRAWINGS.
4. CHECK ALL CONNECTIONS FOR TIGHTNESS AND ALIGNMENT TO PREVENT STRESS POINTS AND ENSURE STRUCTURAL STABILITY.
5. SECURE ROOFING PANELS TO THE CANTILEVER BEAMS WITH APPROVED FASTENERS, ENSURING EVEN SPACING AND ALIGNMENT.
6. USE SEALANTS OR GASKETS AT JOINTS TO PREVENT WATER INFILTRATION, ENSURE PROPER OVERLAP AND ALIGNMENT FOR ROOFING PANELS TO ACCOMMODATE THERMAL EXPANSION.
7. PERSON A THOROUGH INSPECTION OF THE CANTILEVER STRUCTURE AFTER INSTALLATION, VERIFYING STRUCTURAL INTEGRITY, PROPER ALIGNMENT, AND COMPLIANCE WITH DESIGN SPECIFICATIONS.
- 10.1. APPROVAL APPROVAL FROM THE STRUCTURAL ENGINEER BEFORE BEGINNING THE INSTALLATION.

1572

STATION	DATE
NESTON 1	2012.1
NESTON 2	2012.2
NESTON 3	2012.3
NESTON 4	2012.4
NESTON 5	2012.5
NESTON 6	2012.6
NESTON 7	2012.7

As opções de pagamento também variam. Algumas são em dinheiro, outras em ações ou em títulos de renda fixa. Outras são em dinheiro, outras em ações ou em títulos de renda fixa. Outras são em dinheiro, outras em ações ou em títulos de renda fixa.

STEEL CANTILEVER ROOF STRUCTURE DETAILS

**REVITALIZATION PROJECT  
PLAZA DE LA REVOLUCIÓN**

MUNICIPIO DE LARES, PR 00669  
PR-CRP-001088

NEW CONDITIONS  
ARCHITECTURAL

DATE	Apr 2025
REF	A-10





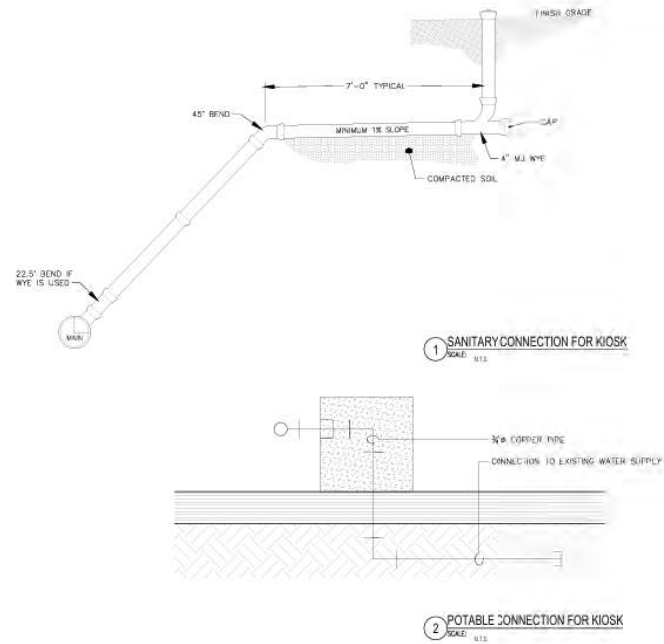
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#### NOTES:

1. ALL GRATES ARE TO BE PROTECTED FROM CONCRETE POUR.
2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURE'S SPECIFICATIONS.
3. ALL INFORMATION CONTAINED HERE WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
4. POTABLE WATER LINE PROVISION MUST BE ACCESSIBLE AT 6" TO 12" OF NEW FLOOR LEVEL, TO BE COORDINATED AT FIELD.
5. CONTRACTOR MUST LEAVE SURROUNDING SPACE OF 4" AROUND POTABLE PROVISION FOR ADEQUATE INSTALLATION AND MAINTENANCE SPACE.
6. SANITARY PROVISION MUST BE ACCESSIBLE AT NEW FLOOR LEVEL.
7. CONTRACTOR MUST LEAVE SURROUNDING SPACE OF 12" AROUND SANITARY PROVISION FOR FUTURE GREASE TRAP INSTALLATION.

#### GENERAL INSTRUCTIONS TO CONTRACTOR:

1. CONTRACTOR MUST WORK WITH ALL NECESSARY PRECAUTIONS AND IDENTIFY EXISTING SANITARY PIPES OF EACH BUILDING.
2. CONTRACTOR MUST GATHER ALL NECESSARY FIELD DATA FOR CONSTRUCTION AND PLUMBING WORKS.
3. CONTRACTOR MUST LEVEL EXISTING METERS UDS AND OTHERS TO NEW FLOOR LEVEL.
4. ALL EXISTING FIRE HOSE OPENINGS SHALL BE CONDITIONED TO MEET STATE REQUIREMENTS AND CODES.
5. ALL NECESSARY TEMPORARY SERVICE CONNECTIONS AND RECONNECTIONS MUST BE COORDINATED WITH OPERACIONES DE MOCA. ALL WORKS TO THESE EFFECT SHALL BE DONE BY AAA EMPLOYEES.
6. ALL UNDERGROUND PIPE SHALL HAVE A MINIMUM BURY DEPTH OF 36 INCHES, AS MEASURED FROM THE TOP OF THE PIPE AND PIPE SHALL BE LAID TO BEAR ALONG THE ENTIRE LENGTH, AND NOT BEING SUPPORTED BY THE BELL ENDS OR BLOCKING ONLY. DETAIL SHALL BE ADJUSTED TO POTABLE WATER PIPE SYSTEM AND SEWAGE WATER SYSTEM AS NEEDED.
7. EXISTING SANITARY AND WATER PIPE CONNECTIONS TO BE DETERMINED IN SITE.



APPLIED ENGINEERING GROUP

DATE	2/4/2025
ISSUE	1.0
ISSUE	1.0
ISSUE	1.0
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ISSUE	1.0
ISSUE	1.0
ISSUE	1.0
ISSUE	1.0

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APR 2025

#### PLUMBING NOTES AND DETAILS

#### REVITALIZATION PROJECT PLAZA DE LA REVOLUCION

MUNICIPIO DE LARES, PR 00699  
PR-CRP-001098

#### NEW CONDITIONS MECHANICAL

DATE	Apr 2025
ISSUE	1.0
ISSUE	1.0
ISSUE	1.0

M-2



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N  
PROPOSED LIGHTING DISTRIBUTION - SITE PLAN  
SCALE: 1/8" = 1'-0"

LIGHTING AND FIXTURE AND LAMP SCHEDULE

DESCRIPTION	FIXTURE			LAMP		
	TYPE	MOUNTING	REMARKS	TYPE	QTY.	REMARKS
L1	LAMP POLE	POLE MOUNTED		LED 3000 K - 8400 K	70	
L2	STEP LIGHTING	RECESSED WALL MOUNTED	ALCOA LIGHTING NOT RECESSED WALL MOUNTED LED STEP LIGHT	LED 3000 K - 8400 K	31	1.8 IN. 1/2 IN. 1/2 IN.
L3	WATER FOUNTAIN LIGHT	RECESSED FOUNTAIN MOUNTED	PL SERIES POOL LIGHTING BY FOUNTAIN FOUNTAINS OR APPROVED EQUAL	LED 3000 K - 8400 K	4	1.8 IN. 1/2 IN. 1/2 IN.
L4	LED SOLAR FLOOD LIGHT	GROUND MOUNTED	SOLAR GRADE SOLAR POWER FLOODLIGHT BY SOLERA LIGHTING OR APPROVED EQUAL	LED 3000 K	11	20 W. 1/2 IN.

- NOTES:
- CONTRACTOR SHALL DISCONNECT, REMOVE AND REPLACE EXISTING POLE LIGHTING FIXTURES AND POLE BY NEW LED LIGHTING FIXTURE AND POLE.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFY EXISTING CIRCUIT PRIOR TO START WORK.
  - CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS FOR PROPER INSTALLATION.
  - CONTRACTOR SHALL PROVIDE AND INSTALL 2510 THHN AND 1 # 2 TW GND CABLE IN 1" PVC CONDUIT TO A NEW 25FT. 1 POLE, 100 V CIRCUIT BREAKER TO BE INSTALLED AT EXISTING PANEL BOARD.
  - JUNCTION BOX AND CONDUITS ROUTING FINAL LOCATION, TO BE FIELD COORDINATE.
  - ALL BOXES SHALL BE PROVIDED WITH BLANK PLATES.
  - CONTRACTOR MUST VERIFY THAT PANEL BOARDS INSTALLATION COMBIES WITH NEC REQUIREMENTS AND THAT IT HAS ALL PROTECTIVE COVERS, DOORS AND BREAKERS SPACES COVERS TO AVOID ANY EXPOSURE TO LIVE PARTS.

- LEGEND:
- L1 LAMP POLE
  - L2 RECESS STEP LIGHTING
  - L3 WATER FOUNTAIN LIGHTING



PROJECT: REVITALIZATION PROJECT PLAZA DE LA REVOLUCION

REVISION:	DATE:
REVISION 1	04/20/2025
REVISION 2	04/20/2025
REVISION 3	04/20/2025
REVISION 4	04/20/2025
REVISION 5	04/20/2025
REVISION 6	04/20/2025

PLAZA DE LA REVOLUCION, 10000, SAN JUAN, P.R. 00909  
MUNICIPIO DE LANES, P.R. 00009  
PR-CRP-001009

LIGHTING DISTRIBUTION PLAN

REVITALIZATION PROJECT  
PLAZA DE LA REVOLUCION

MUNICIPIO DE LANES, P.R. 00009  
PR-CRP-001009

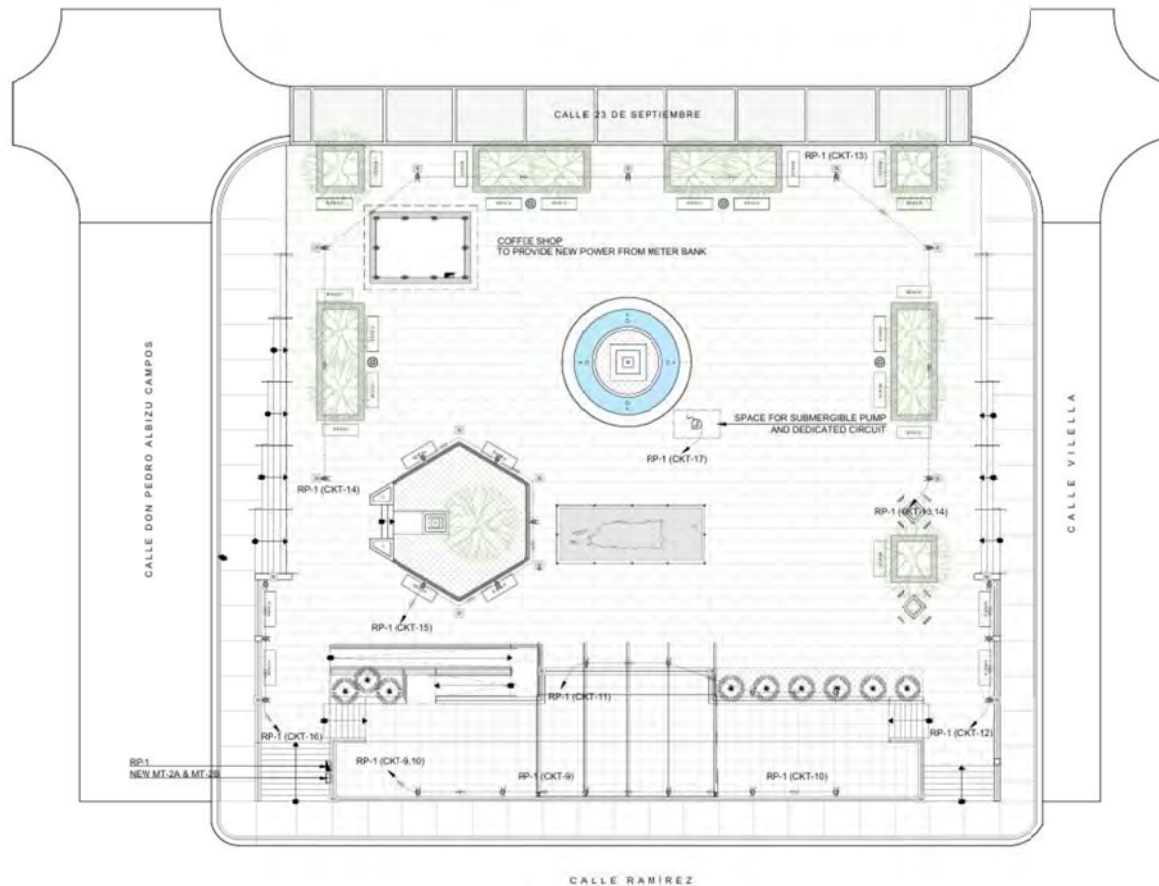
NEW CONDITIONS  
ELECTRICAL

Apr 2025  
E-2

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PROPOSED POWER DISTRIBUTION - SITE PLAN  
SCALE: 1/8" = 1'-0"



APPLIED ENGINEERING GROUP

PROJECT:	REV
CLIENT:	APR 2025
DESIGNER:	APR 2025
ENGINEER:	APR 2025
DATE:	APR 2025
BY:	APR 2025

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## POWER DISTRIBUTION PLAN

## REVITALIZATION PROJECT PLAZA DE LA REVOLUCION

MUNICIPIO DE LAYES, PR 00959  
PR-CRP-001069

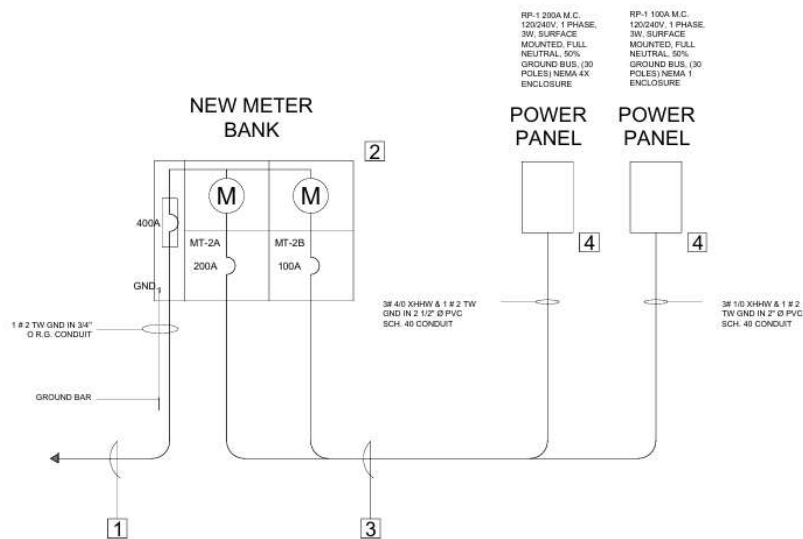
## NEW CONDITIONS ELECTRICAL

Apr 2025

E-3



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#### REFERENCED NOTES:

- EXISTING UNDERGROUND SECONDARY FEEDER TO REMAIN.
- EXISTING LUMA METER BANK TO REMAIN.
- PRIMARY FEEDER TO NEW PANEL PANELS.
- NEW POWER PANEL TO BE INSTALLED AT LOCATION, TO BE COORDINATED

#### NOTES:

- EXISTING UNDERGROUND SECONDARY FEEDER TO REMAIN.
- NEW METER BANK 120/240 VAC, 1PH, 400A, TO REPLACE EXISTING.
- PRIMARY FEEDER TO NEW POWER PANELS.
- NEW POWER PANEL TO BE INSTALLED AT LOCATION, TO BE COORDINATED IN FIELD.

#### POWER PANEL RP-1: LIGHTING AND RECEPTACLE PANEL SCHEDULE

DESIGNATION	RP-1	RECESSION	TYPE	1P-2P	VOLTAGE	120/240	M.G.O.
LOCATION	PLAZA DE LA REVOLUCION	L.D. (KVA)	10	1000	GROUND BUS	500	MAIN DISC. - 100
					ENCLOSURE	NEMA 4X	
REMARKS	EQUIPMENT	CIRCUIT BREAKER	CIRCUIT SIZE	CIRCUIT NO.	CIRCUIT SIZE	CIRCUIT BREAKER	EQUIPMENT
REMARKS	EQUIPMENT	REMARKS	EQUIPMENT	REMARKS	EQUIPMENT	REMARKS	EQUIPMENT
	LIGHT-POLE MOUNT	20 - 1 - 120 - 1 - 10 - 12 - 1\"	5	1	12 - 10 - 2 - 1 - 100 - 1	20	LIGHT-POLE MOUNT
	LIGHT-POLE MOUNT	20 - 1 - 120 - 1 - 10 - 12 - 1\"	5	2	12 - 10 - 2 - 1 - 100 - 1	20	LIGHT-POLE MOUNT
	LIGHT-POLE MOUNT	20 - 1 - 120 - 1 - 10 - 12 - 1\"	5	3	12 - 10 - 2 - 1 - 100 - 1	20	LIGHT-POLE MOUNT
	LIGHTING BOLLARD	20 - 1 - 120 - 1 - 10 - 12 - 1\"	5	4	12 - 10 - 2 - 1 - 100 - 1	20	LIGHTING BOLLARD
	RECEPTACLE - ONE/SCC AREA	20 - 1 - 120 - 1 - 10 - 12 - 1\"	5	5	12 - 10 - 2 - 1 - 100 - 1	20	RECEPTACLE - ONE/SCC AREA
	RECEPTACLE - STAGE AREA	20 - 1 - 120 - 1 - 10 - 12 - 1\"	5	6	12 - 10 - 2 - 1 - 100 - 1	20	RECEPTACLE - STAGE AREA
	RECEPTACLE - TREE AREA	20 - 1 - 120 - 1 - 10 - 12 - 1\"	5	7	12 - 10 - 2 - 1 - 100 - 1	20	RECEPTACLE - TREE AREA
	RECEPTACLE - TREE AREA	20 - 1 - 120 - 1 - 10 - 12 - 1\"	5	8	12 - 10 - 2 - 1 - 100 - 1	20	RECEPTACLE - TREE AREA
	SPARE	20 - 1 - 120 - 1 - 10 - 12 - 1\"	5	9	12 - 10 - 2 - 1 - 100 - 1	20	SPARE
	SPARE	20 - 1 - 120 - 1 - 10 - 12 - 1\"	5	10	12 - 10 - 2 - 1 - 100 - 1	20	SPARE
	SPARE	20 - 1 - 120 - 1 - 10 - 12 - 1\"	5	11	12 - 10 - 2 - 1 - 100 - 1	20	SPARE
	SPARE	20 - 1 - 120 - 1 - 10 - 12 - 1\"	5	12	12 - 10 - 2 - 1 - 100 - 1	20	SPARE
	SPARE	20 - 1 - 120 - 1 - 10 - 12 - 1\"	5	13	12 - 10 - 2 - 1 - 100 - 1	20	SPARE
	SPARE	20 - 1 - 120 - 1 - 10 - 12 - 1\"	5	14	12 - 10 - 2 - 1 - 100 - 1	20	SPARE
	SPARE	20 - 1 - 120 - 1 - 10 - 12 - 1\"	5	15	12 - 10 - 2 - 1 - 100 - 1	20	SPARE
	SPARE	20 - 1 - 120 - 1 - 10 - 12 - 1\"	5	16	12 - 10 - 2 - 1 - 100 - 1	20	SPARE
	SPARE	20 - 1 - 120 - 1 - 10 - 12 - 1\"	5	17	12 - 10 - 2 - 1 - 100 - 1	20	SPARE
	SPARE	20 - 1 - 120 - 1 - 10 - 12 - 1\"	5	18	12 - 10 - 2 - 1 - 100 - 1	20	SPARE
	SPARE	20 - 1 - 120 - 1 - 10 - 12 - 1\"	5	19	12 - 10 - 2 - 1 - 100 - 1	20	SPARE
	SPARE	20 - 1 - 120 - 1 - 10 - 12 - 1\"	5	20	12 - 10 - 2 - 1 - 100 - 1	20	SPARE
	SPARE	20 - 1 - 120 - 1 - 10 - 12 - 1\"	5	21	12 - 10 - 2 - 1 - 100 - 1	20	SPARE
	SPARE	20 - 1 - 120 - 1 - 10 - 12 - 1\"	5	22	12 - 10 - 2 - 1 - 100 - 1	20	SPARE
	SPARE	20 - 1 - 120 - 1 - 10 - 12 - 1\"	5	23	12 - 10 - 2 - 1 - 100 - 1	20	SPARE
	SPARE	20 - 1 - 120 - 1 - 10 - 12 - 1\"	5	24	12 - 10 - 2 - 1 - 100 - 1	20	SPARE
	SPARE	20 - 1 - 120 - 1 - 10 - 12 - 1\"	5	25	12 - 10 - 2 - 1 - 100 - 1	20	SPARE
	SPARE	20 - 1 - 120 - 1 - 10 - 12 - 1\"	5	26	12 - 10 - 2 - 1 - 100 - 1	20	SPARE
	SPARE	20 - 1 - 120 - 1 - 10 - 12 - 1\"	5	27	12 - 10 - 2 - 1 - 100 - 1	20	SPARE

ONE-LINE DIAGRAM & PANEL SCHEDULE  
SCALE: N.T.S.



APPLIED ENGINEERING GROUP

CLIENT	DATE
APPROVAL	DATE
DESIGN	DATE
REVISION	DATE
REVISION	DATE
REVISION	DATE
REVISION	DATE
REVISION	DATE

1. Existing underground secondary feeder to remain.  
2. New meter bank 120/240 VAC, 1PH, 400A, to replace existing.  
3. Primary feeder to new power panels.  
4. New power panel to be installed at location, to be coordinated in field.



PHOTO

REV. 1/24

#### ONE LINE - DIAGRAM + SCHEDULE

DESIGN: 1/24

#### REVITALIZATION PROJECT PLAZA DE LA REVOLUCION

MUNICIPIO DE LARES, PR 00089  
PR-CRP-001089

DATE

#### NEW CONDITIONS ELECTRICAL

Apr 2025  
E-4



# GOVERNMENT OF PUERTO RICO

## STATE HISTORIC PRESERVATION OFFICE

Executive Director | Carlos A. Rubio Cancela | [carubio@prshpo.pr.gov](mailto:carubio@prshpo.pr.gov)

Thursday, November 21, 2024

Lauren B Poche

269 Avenida Ponce de León, San Juan, PR, 00917

SHPO-CF-11-05-24-01 PR-CRP-001088 (Lares), Rehabilitacion Plaza de la Revolucion de Lares

Dear Ms. Poche,

We acknowledge receipt of your submittal letter and revised design plans, dated November 5, 2024, regarding the above referenced project. After a review of all the documentation provided, the PRSHPO agrees with your finding that the proposed project with the established condition, will have no adverse effect upon PR-CRP-01088 Lares:

1. Archaeological monitoring to be conducted during ground disturbing activities that extend below 6 inches in depth, and the submission of a work plan for review and approval.

Please note that should the Agency discover other historic properties at any point during project implementation, you should notify the SHPO immediately. If you have any questions concerning our comments, do not hesitate to contact our Office.

Sincerely,

Carlos A. Rubio Cancela

State Historic Preservation Officer

CARC/GMO/ EVR



Cuartel de Ballajá (Tercer Piso), Calle Norzagaray, Esq. Beneficencia, Viejo San Juan, PR 00901 | PO Box 9023935, San Juan, PR 00902-3935



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

November 5, 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 Program**

**SHPO-CF-12-21-23-04, PR-CRP-01088: Rehabilitacion Plaza de la Revolucion de Lares -  
Plaza Publica Project, Lares, Puerto Rico – Revised Design Plan – *No Adverse Effect, Conditioned***

Dear Architect Rubio Cancela,

On behalf of the Puerto Rico Department of Housing, thank you for your letter dated January 18, 2024, in which you conveyed the SHPO's concerns regarding the potential adverse impacts of the proposed project design. Further discussion with SHPO staff identified two primary concerns: (1) the removal of most trees, which have been an integral part of the plaza since the late 1800s, particularly those in front of the church, and (2) the removal of the symmetry that is currently present in the plaza (see Figure 1).

To address these concerns, the Subrecipient's design team has provided a revised design proposal for the plaza. The revised design maintains a row of trees in front of the church, one tree planting area along Calle Don Pedro Albizu Campus and two along Calle Vilella. Additionally, planters with shrubs are proposed along the wall on the Calle Ramirez side of the plaza. Benches are proposed surrounding each of these planting areas. The revised design maintains a strong center axis between the church and Calle Ramirez and the tree planting areas create an overall symmetry around the plaza. The rectangular and square planting areas surrounding the trees are reminiscent of those seen in the photographs in the Lares Plaza files documents at PR SHPO (see Figure 2).

The remainder of the revised design is consistent with the original design proposal, with minor alterations. The revised designs plans note the use of 24x48 light-toned granite tile for the interior of the plaza and 12x12 darker toned granite tile for the perimeter (Sheets A-1 and A-2), whereas the original design plans noted 12x14 granite tiles. The revised design does not include the game table with umbrella next to the existing obelisk as shown in the original design plans, and the two game tables along Calle Vilella have been



shifted to flank the two new tree planters. The kiosk is not dimensioned on the revised drawings, although it remains in the same location originally proposed and the footprint appears slightly reduced.

A comparison of the existing plaza, original design proposal, and revised design can be seen in Figures 3 – 5, and the revised design plans are attached.

Based on the revised design, the Program requests a concurrence with a determination that **no adverse effect** to historic properties is appropriate for this undertaking, conditioned to archaeological monitoring to be conducted during ground disturbing activities that extend below 6 inches in depth, and the submission of a work plan for review and approval.

Please contact me with any questions or concerns by email at [lauren.poche@horne.com](mailto: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

Figure 1: Aerial photograph of existing plaza





Figure 2: Images of Lares Plaza from SHPO files

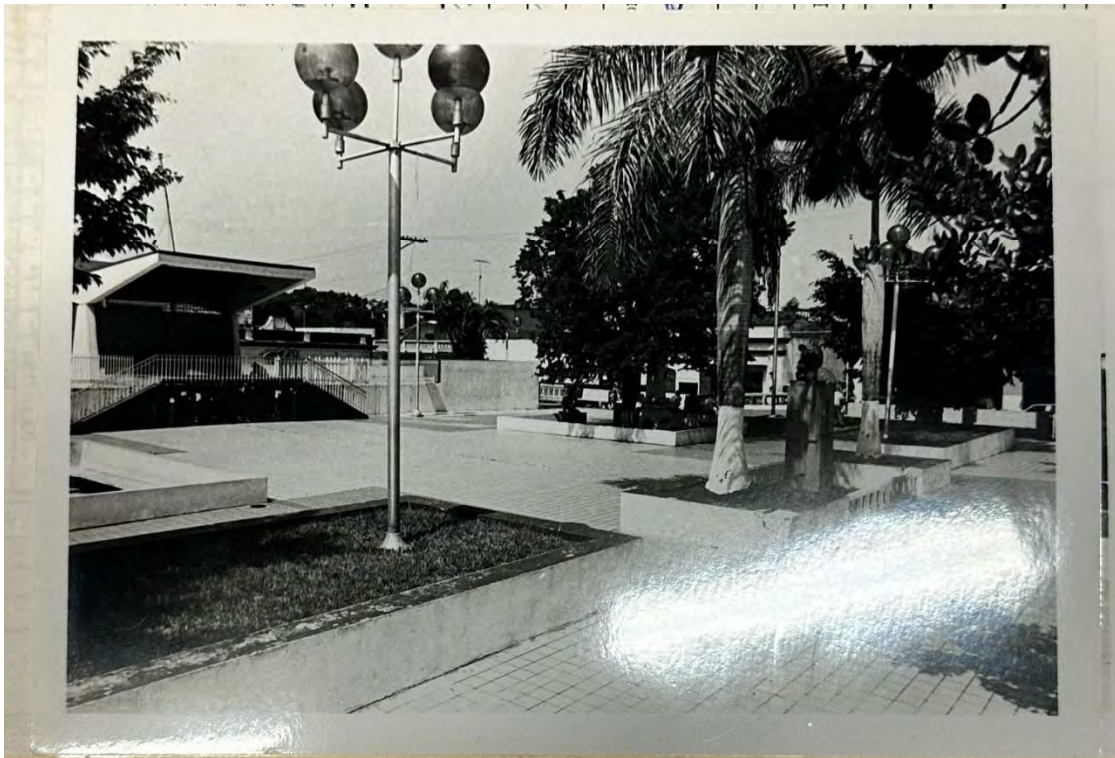


Figure 3: Existing Site Plan

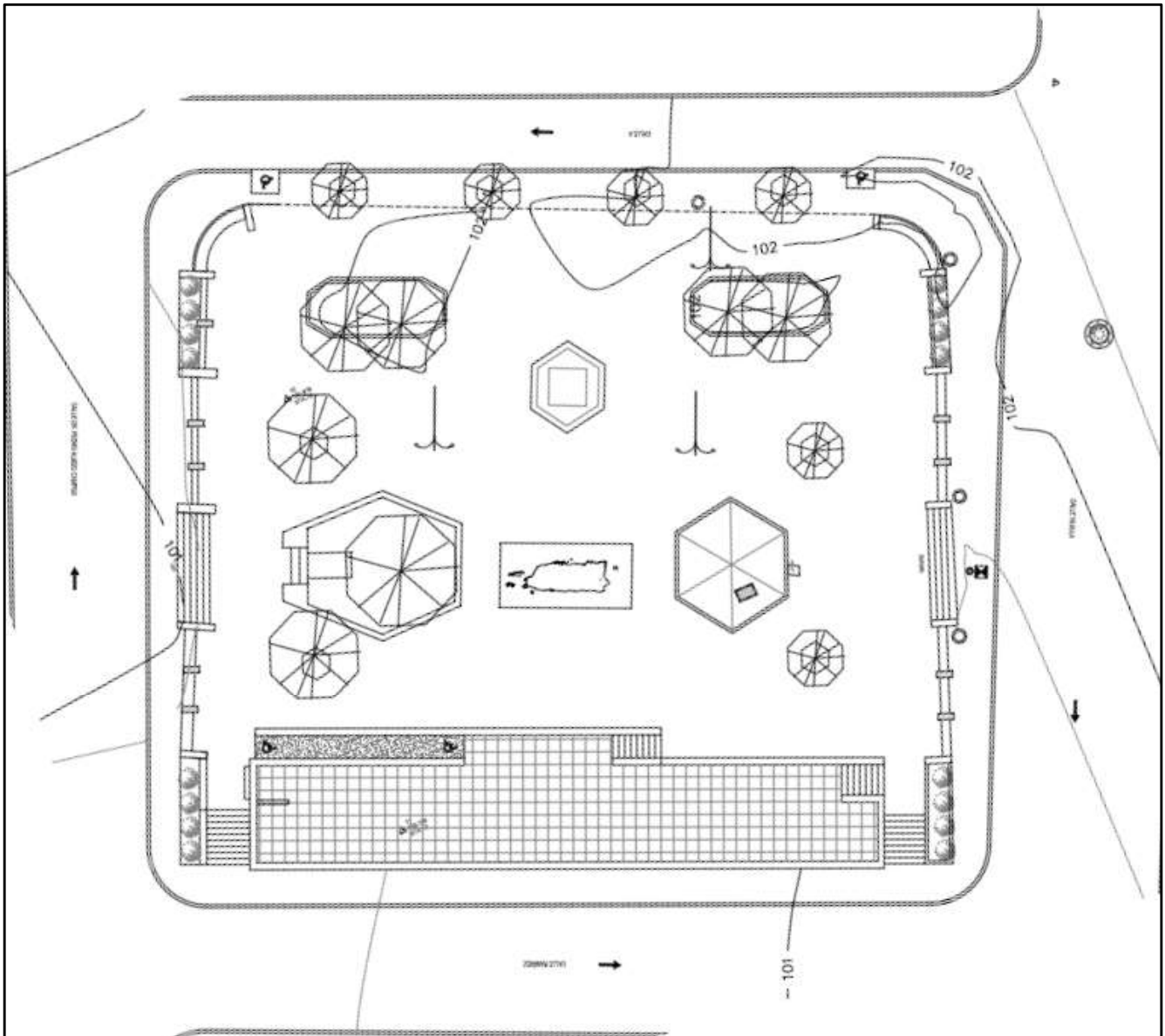
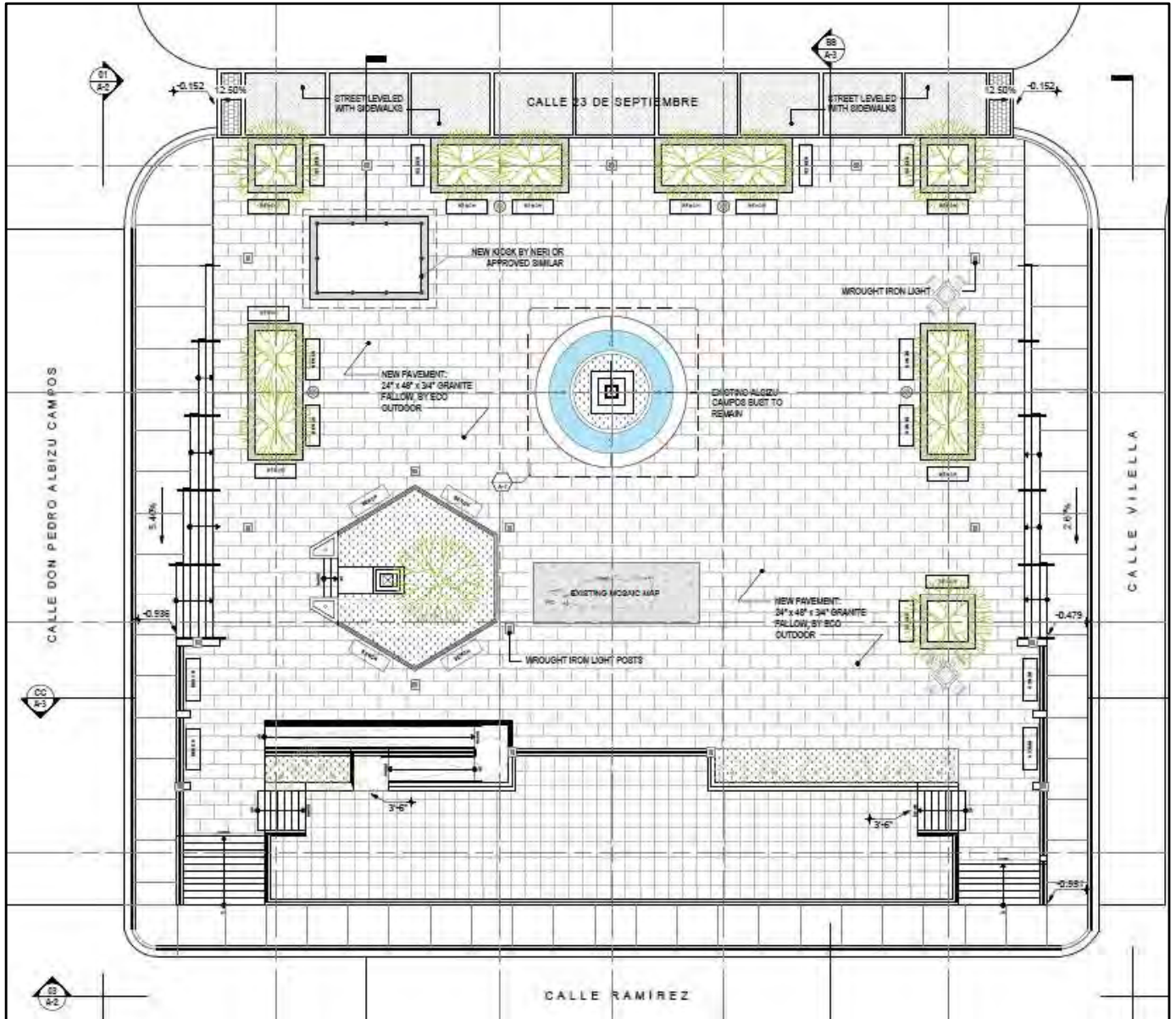






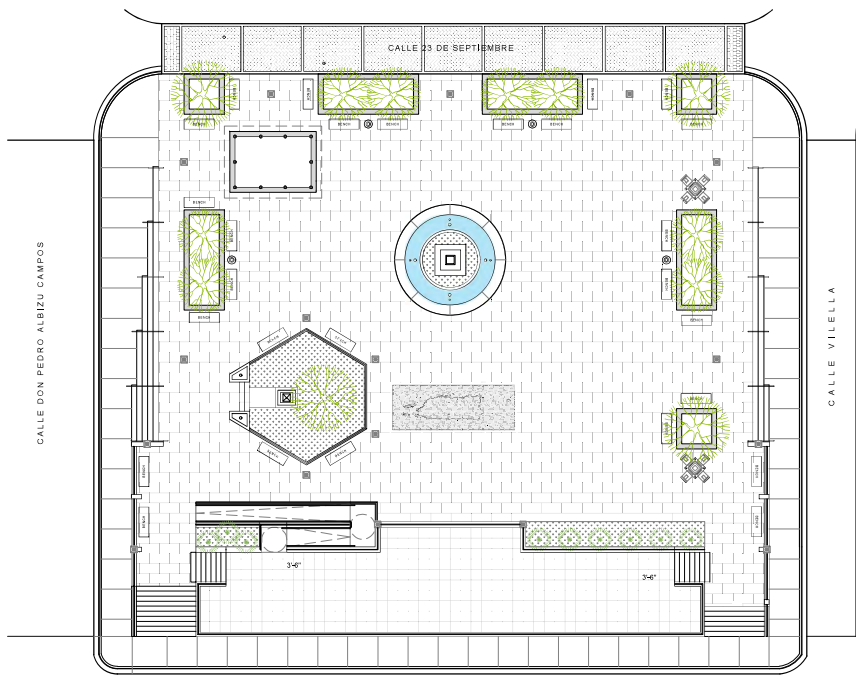
Figure 5: Revised Design Proposal



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# REVITALIZATION PROJECT PLAZA DE LA REVOLUCIÓN - PUBLIC SQUARE

PR-CRP-001088  
LARES, PUERTO RICO 00669  
HON. FABIÁN ARROYO RODRÍGUEZ



KEY PLAN  
SCALE: SCALE: N.T.S



## SHEET INDEX

T-1	TITLE SHEET
EXISTING CONDITIONS	
ST-1	SURVEY AND TOPOGRAPHICAL WORK
EX-1	EXISTING PLAZA - FLOOR LAYOUT
EX-2	PLAZA ELEVATIONS
EX-2.1	PLAZA ELEVATIONS
DEMOLITION PLAN	
DP-1	PROPOSED DEMOLITION PLAN
DP-2	DEMOLITION NOTES
ARCHITECTURAL	
A-1	PROPOSED PLAZA LAYOUT
A-2	PROPOSED PLAZA ELEVATIONS
A-3	PROPOSED PLAZA - SECTIONS
A-4	THREE DIMENSIONAL VISUALIZATIONS
A-5	EXISTING OBELISK - DETAIL DRAWINGS
A-6	PROPOSED FOUNTAIN - DETAIL DRAWINGS
A-7	STAIRS - DETAIL DRAWINGS
ELECTRICAL	
E-1	ELECTRICAL NOTES AND LEGEND
E-2	LIGHTING DISTRIBUTION PLAN
E-3	POWER DISTRIBUTION PLAN
E-4	ONE LINE - RISER DIAGRAM



PUERTO RICO MAP



ZONING PLAN:



LOCATION PLAN



FLOOD PLAN

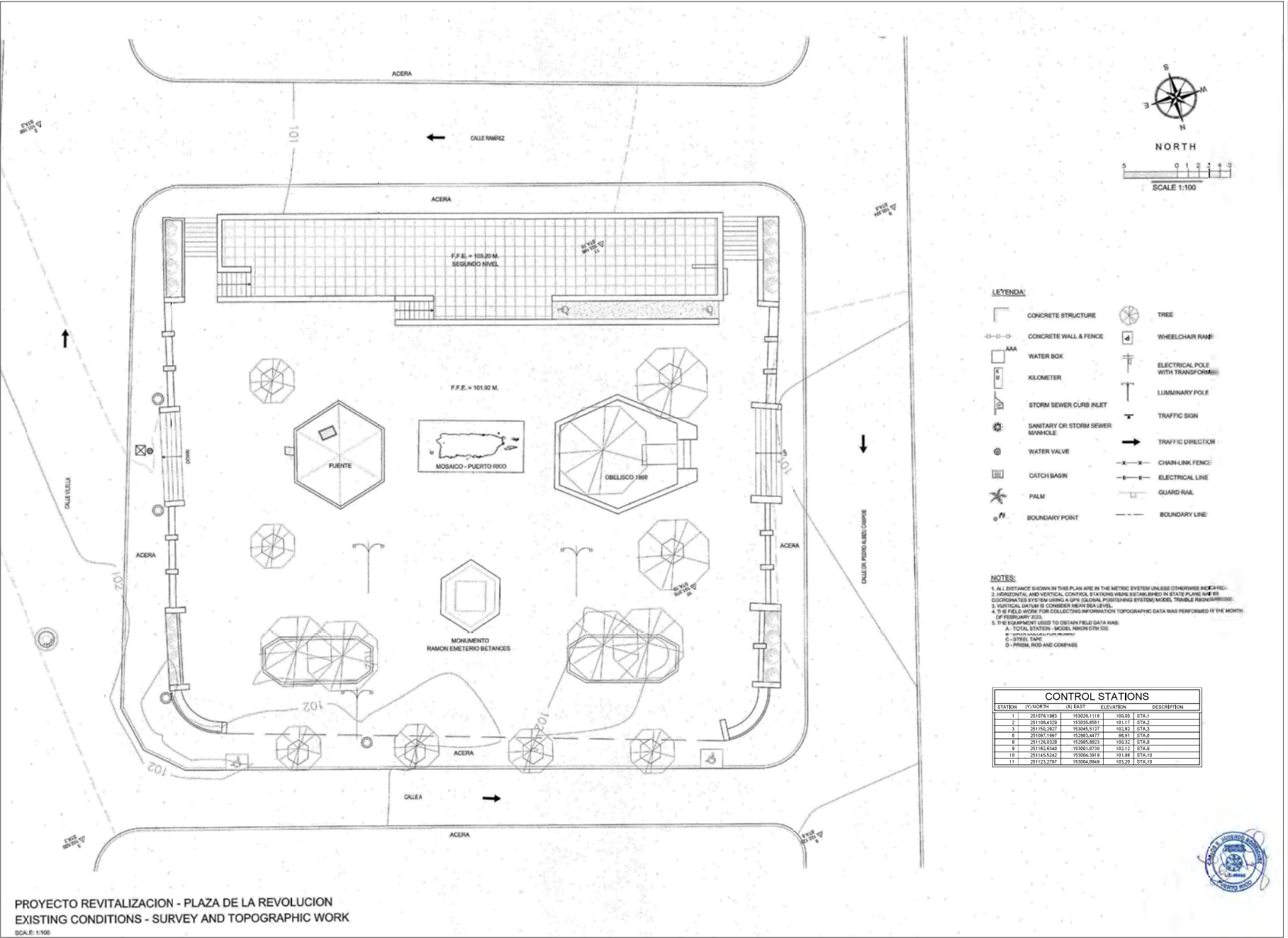


CRIM MAP





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WWW.AEGRP.COM

REVISIONS

REVISIONS	DATE
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REVISION 1	DATE 1
REVISION 2	DATE 2
REVISION 3	DATE 3
REVISION 4	DATE 4
REVISION 5	DATE 5
REVISION 6	DATE 6
REVISION 7	DATE 7

NOTES

1. ALL DISTANCE SHOWN IN THIS PLAN ARE IN THE METRIC SYSTEM UNLESS OTHERWISE INDICATED.  
2. HORIZONTAL AND VERTICAL CONTROL STATIONS WERE ESTABLISHED IN STATE PLANE NAD 83 COORDINATE SYSTEM USING A GPS (GLOBAL POSITIONING SYSTEM) MODEL TRIMBLE RAINBORROW.  
3. VERTICAL DATUM IS CONSIDERED MEAN SEA LEVEL.  
4. THE FIELD WORK FOR COLLECTING INFORMATION TOPOGRAPHIC DATA WAS PERFORMED IN THE MONTH OF FEBRUARY 2011.  
5. THE EQUIPMENT USED TO OBTAIN FIELD DATA WAS:  
A - TOTAL STATION: MODEL NIKON DTM 550  
B - GPS: MODEL GARMIN 60CSX  
C - PRISM: GARMIN  
D - PRISM: GARMIN AND COMPASS

CONTROL STATIONS

STATION	NORTH	EAST	ELEVATION	DESCRIPTION
1	251076.1883	153028.1119	105.00	STA-1
2	251084.5329	153035.8551	101.17	STA-2
3	25105.2807	153045.5177	101.82	STA-3
4	251087.1887	153083.4477	88.81	STA-4
5	25105.0028	15308.8823	105.32	STA-5
6	25105.6340	15301.0710	105.12	STA-6
7	25105.5242	15304.2019	101.98	STA-7
8	25105.2287	15304.0549	101.30	STA-8

PHASE

**AS-BUILT PLAN**  
EXISTING CONDITIONS

DATE

Oct 2024

DRW. SHEET

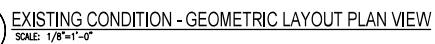
ST-1



CALLE DON PEDRO ALBIZU CAMPOS



CALLE A



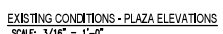
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Los signatarios/as deben cumplir, número de licencia                      como certifica que soy el/ profesional que            ante            y las especificaciones complementarias. También certifica que entiendo que dicho personal y las especificaciones cumplen con las disposiciones aplicables del reglamento contable y las disposiciones aplicables de los reglamentos y códigos de la agencia, juntas reguladoras o corporaciones públicas con jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que he hecho producido, sin conocimiento o por negligencia, ya sea por mí, mis agentes o empleados o por otras personas con mi conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la DGPE y otras autoridades competentes incluyendo, pero sin limitarse a la eliminación de la participación en los procedimientos de partición transaccional de la DGPE.

**SIXTY TWO**

EXP. SHEET

**EY-2**



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ALCALDIA

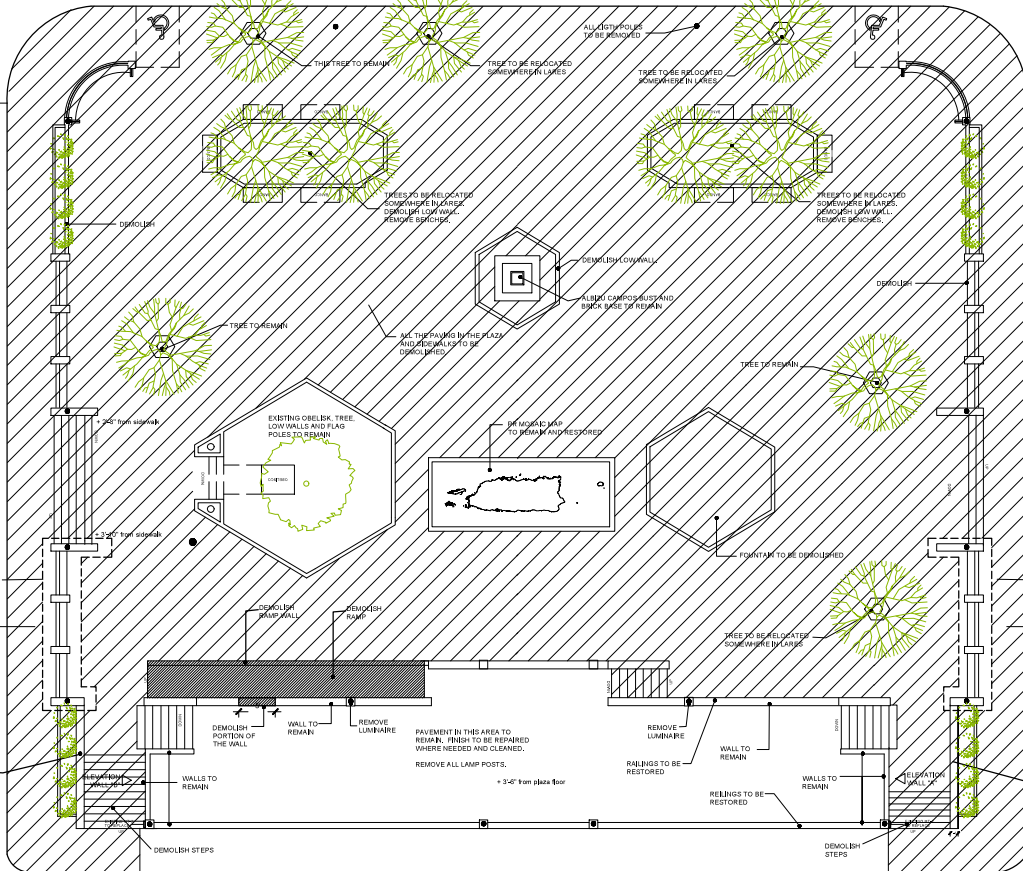
CALLE DON PEDRO ALBIZU CAMPOS

SECTION

THIS PORTION TO REMAIN

DEMOLISH WALL AND PLANTER

DEMOLISH STEPS



CALLE RAMIREZ

LEGEND:



TO BE DEMOLISHED

IGLESIA

CALLE A

DEMOLITION NOTES:

- EXISTING WATER FOUNTAIN IS TO BE DEMOLISHED, A TIME CAPSULE WILL REMAIN IN ITS PLACE.
- ALL LAMP POST ARE TO BE REMOVED AND REPLACE BY NEW SOLAR ONES.
- LATERAL LOW WALLS, INTEGRATED BENCHES AND ITS CONTENTS ARE TO BE DEMOLISHED AS INDICATED.
- ALL RAISED CONCRETE PLANTERS ARE TO BE DEMOLISHED.
- TREES THAT ARE IN MARKED AREAS FOR DEMOLITION ARE TO BE REPLANTED SOMEWHERE IN LARES, NEW TREES WILL BE PLANTED FOLLOWED BE THE NEW DESIGN.
- SIDEWALKS ADJACENT TO THE PLAZA ARE TO BE DEMOLISHED FOR NEW FINISHES.
- EXISTING STAGE RAMP IS TO BE DEMOLISHED, A NEW A.D.A COMPLAINT RAMP WILL BE CONSTRUCTED IN ITS PLACE.
- LATERAL PLAZA'S STAIRS ARE TO BE DEMOLISHED, AS WELL AS THE FRONT STAIRS OF THE STAGE.

NOTE TO CONTRACTOR:

EXCAVATION WILL BE PERFORM AS FOLLOW:

- EXCAVATE A HOLE TO A DEPTH OF 3 TO 5 FEET, BASED ON THE SIZE OF THE YOUNG ADULT TREE'S ROOT BALL. ENSURE THE HOLE IS 2 TO 3 TIMES WIDER THAN THE ROOT BALL TO ALLOW FOR HEALTHY ROOT EXPANSION.
- THE FINAL DEPTH SHOULD ENSURE THAT THE ROOT FLARE WILL SIT LEVEL WITH THE SURROUNDING PLAZA SURFACE ONCE THE HOLE IS BACKFILLED.
- DUE TO PRIOR RECONSTRUCTION AND POTENTIAL FILL MATERIAL IN THE PLAZA, THE CONTRACTOR MUST ANTICIPATE ENCOUNTERING COMPACTED OR ARTIFICIAL FILL. ENSURE CAREFUL REMOVAL OF THIS FILL, REPLACING IT WITH SUITABLE PLANTING SOIL.
- CONDUCT A SITE EVALUATION FOR POSSIBLE DEBRIS, RUBBLE, OR COMPACTED MATERIALS FROM PREVIOUS CONSTRUCTION. THESE MATERIALS SHOULD BE FULLY CLEARED AND REMOVED FROM THE SITE.
- ENSURE THE SUBGRADE IS STABLE AND WELL-DRAINED. COMPACTED OR UNSUITABLE FILL MATERIAL SHOULD BE REPLACED WITH APPROPRIATE PLANTING SOIL OR MIXTURE AS SPECIFIED BY A LICENSED PROFESSIONAL.
- THE BOTTOM OF THE HOLE SHOULD BE LEFT UNDISTURBED TO PREVENT SINKING, PROVIDING A STABLE BASE FOR THE TREE.
- PREPARE A MIX OF NATIVE SOIL AND HIGH-QUALITY PLANTING MIX FOR BACKFILLING. AMEND SOIL AS NECESSARY, ENSURING IT IS LOOSE AND WELL-AERATED TO PROMOTE ROOT GROWTH.
- AVOID EXCESSIVE COMPACTION OF THE BACKFILL. SOIL SHOULD BE FIRM BUT NOT OVERLY COMPACTED, ALLOWING FOR PROPER WATER INFILTRATION AND AERATION.
- CONFIRM THAT THE AREA AROUND THE TREE HAS ADEQUATE DRAINAGE. INSTALL A DRAINAGE SYSTEM IF NECESSARY TO PREVENT WATER ACCUMULATION AROUND THE ROOTS, ESPECIALLY CONSIDERING POTENTIAL WATER RETENTION DUE TO THE FILL FROM PAST RECONSTRUCTION.
- BEFORE BEGINNING EXCAVATION, IDENTIFY AND MARK ANY UNDERGROUND UTILITIES (WATER, GAS, ELECTRICAL LINES) TO AVOID DAMAGE DURING THE DIGGING PROCESS. ADJUST EXCAVATION PLANS AS NECESSARY TO AVOID INTERFERING WITH ANY UTILITY LINES.
- ENSURE THAT THE EXCAVATION AND TREE PLANTING SITE IS PROPERLY MARKED AND PROTECTED FROM OTHER CONSTRUCTION ACTIVITIES IN THE PLAZA TO AVOID ANY DAMAGE TO THE TREE OR ITS ROOT SYSTEM DURING THE ESTABLISHMENT PERIOD.



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REVISION6 J	DATE6
REVISION7 J	DATE7

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NOTES

SHEET TITLE

PROPOSED DEMOLITION PLAN

PROJECT NAME

REVITALIZATION PROJECT  
PLAZA DE LA REVOLUCION

MUNICIPIO DE LARES, PR 00669  
PR-CRP-001088

PHASE

EXISTING CONDITIONS

DEMOLITION PLAN

DATE  
Oct 2024

DRAWN BY  
DP-1



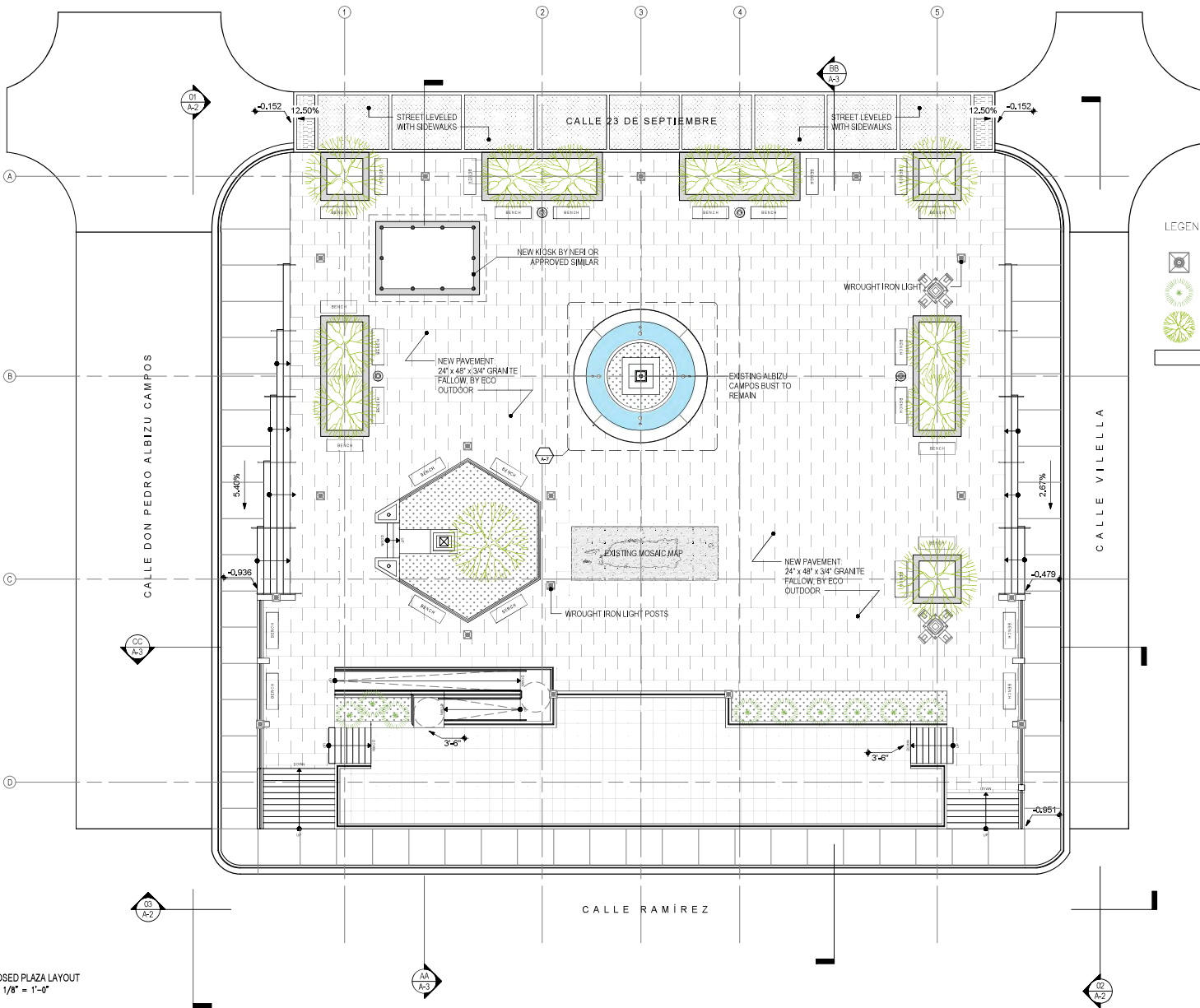
PROPOSED DEMOLITION PLAN

SCALE: 1/8" = 1'-0"





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- LEGEND:
- [Symbol] LIGHT POST
  - [Symbol] MEDIUM HEIGHT SHRUB
  - [Symbol] TREE
  - [Symbol] BENCH

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ISSUE FOR REVIEW - 90%	03/26/2013
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REVISION5	DATE5
REVISION6	DATE6
REVISION7	DATE7

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NOTES

SHEET TITLE  
**PROPOSED PLAZA LAYOUT**

PROJECT NAME  
**REVITALIZATION PROJECT  
PLAZA DE LA REVOLUCIÓN**

MUNICIPIO DE LARES, PR 00669  
PR-CRP-001088

PHASE  
**NEW CONDITIONS  
ARCHITECTURAL**

DATE  
Oct 2024  
DRAWING SHEET  
**A-1**

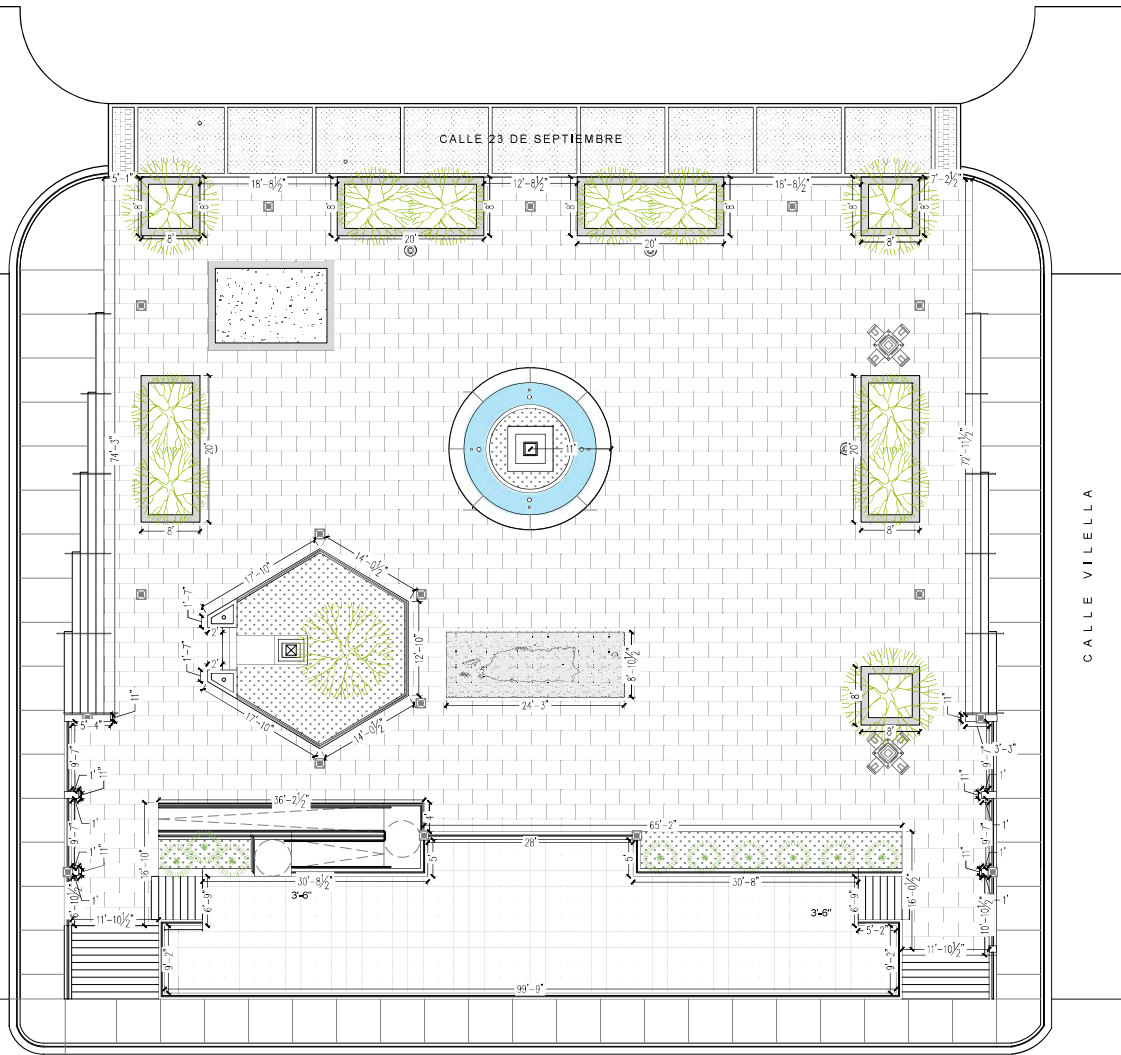
N  
PROPOSED PLAZA LAYOUT  
SCALE: 1/8" = 1'-0"

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CALLE DON PEDRO ALBIZU CAMPOS

CALLE 23 DE SEPTIEMBRE

CALLE VILELLA

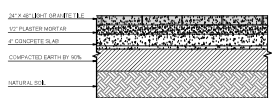


NOTE TO CONTRACTOR:

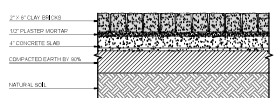
1. MEASURE THE TOTAL SURFACE AREA WHERE GRANITE TILES WILL BE INSTALLED. ENSURE DIMENSIONS ARE ACCURATE FOR EACH DESIGNATED SPACE.
2. GRANITE TILES TO BE USED ARE:  
24" X 48" - LIGHT TONED GRANITE TILE (INTERIOR)  
12" X 12" - DARKER TONED GRANITE TILE (PERIMETER)
3. CALCULATE THE REQUIRED NUMBER OF TILES BASED ON THE SURFACE AREA. INCLUDE A 10-15% OVERAGE FOR CUTS, WASTE, AND FUTURE REPAIRS.  
 $24" \times 48" = 9,751.87 \text{ FT}^2 + 8\text{FT}^2 = 1,218.98 \text{ TILES}$   
 $12" \times 12" = 2,224.55 \text{ FT}^2 + 1 \text{ FT}^2 = 2,224.55 \text{ TILES}$   
\*THE FOLLOWING ARE APPROXIMATE NUMBERS, CONTRACTOR SHALL CALCULATE TO AMOUNT OF TILE NEEDED THOROUGHLY.\*
4. CONSIDER GROUT JOINT SPACING WHEN CALCULATING FINAL TILE QUANTITIES.
5. INSPECT ALL GRANITE TILES UPON DELIVERY FOR UNIFORMITY IN THICKNESS, FINISH, AND COLOR. REJECT ANY DEFECTIVE PIECES.
6. STORE TILES IN A DRY, SAFE AREA TO PREVENT DAMAGE BEFORE INSTALLATION.

GENERAL NOTES:

1. AFTER THE REMOVAL OF THE EXISTING PLAZA FINISHES, CONTRACTOR MUST PREPARE THE SURFACE FOR NEW FINISH.
2. CONTRACTOR MUST PROVIDE A SAMPLE FOR DESIGNER'S APPROVAL PRIOR TO START CONSTRUCTION.
3. INTERIOR OF THE PLAZA'S FINISHES IS IN A LIGHT TONE GRANITE TILE (24" X 48") WITH A SPACING OF 3MM. THE TILE MUST FOLLOW A OFFSET/STAGGERED BRICK PATTERN.
4. A PERIMETER AROUND THE PLANTERS, WATER FOUNTAIN, AND KIOSK WILL BE PLACE WITH A DARKER TONE GRANITE, 12" X 12" WITH A SPACING OF 3MM. THE STAIRS WILL HAVE THE SAME FINISH MATERIAL.
5. CONTRACTOR IS RESPONSIBLE FOR PROPER INSTALLATION.



1 PLAZA FINISH - GRANITE TILE  
SCALE: N.T.S.



2 COBBLE STONE FINISH - STREET DETAIL  
SCALE: N.T.S.

N  
PROPOSED PAVEMENT - PLAN VIEW  
SCALE: 1/8"=1'-0"



APPLIED ENGINEERING GROUP  
MANAGERS ARCHITECTS ENGINEERS AND PLANNERS  
10 St. Montecarlo Avenue #866 Rio Piedras,  
PR 00924  
P.O. Box 361298 San Juan, Puerto Rico  
00936-1298  
www.aegpr.com

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REVISION3	DATE13
REVISION4	DATE14
REVISION5	DATE15
REVISION6	DATE16
REVISION7	DATE17

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NOTES

SHEET TITLE  
**PROPOSED PAVEMENT PLAN**

PROJECT NAME  
**REVITALIZATION PROJECT  
PLAZA DE LA REVOLUCIÓN**

MUNICIPIO DE LARES, PR 00669  
PR-CRP-001088

PHASE  
**EXISTING CONDITIONS  
ARCHITECTURAL**

DATE  
Oct 2024  
DRAWING SHEET  
**A-2**

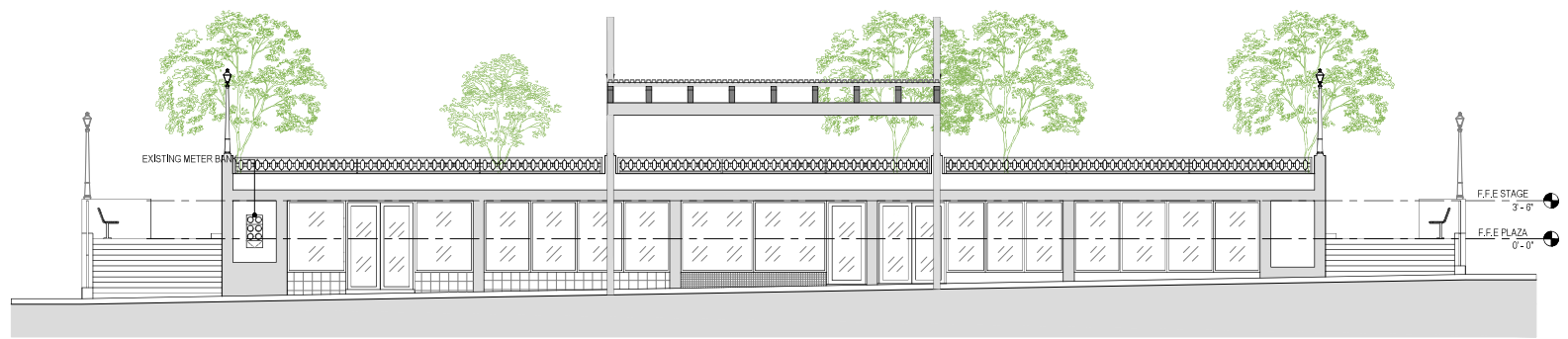
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WEST-NORTHWEST ELEVATION: CALLE DON PEDRO ALBIZU CAMPOS  
SCALE: 3/16"=1'-0"



EAST-SOUTHEAST ELEVATION: CALLE VILELLA  
SCALE: 3/16"=1'-0"



SOUTH-SOUTHWEST ELEVATION: CALLE RAMIREZ  
SCALE: 3/16"=1'-0"

REVISIONS	DATE
ISSUE FOR REVIEW - 30%	04/15/2017
ISSUE FOR REVIEW - 60%	06/30/2017
ISSUE FOR REVIEW - 90%	07/26/2017
REVISION 1	DATE 1
REVISION 2	DATE 2
REVISION 3	DATE 3
REVISION 4	DATE 4
REVISION 5	DATE 5
REVISION 6	DATE 6
REVISION 7	DATE 7

Yo, ingeniero/a de la firma, certifico, nombre de la firma, que este es el profesional que diseñó, realizó, dibujó o las modificaciones complementarias, también certifico que entiendo que dicho dibujo y especificaciones cumplen con las disposiciones técnicas del reglamento, normas y las disposiciones aplicables de los reglamentos o códigos de las agencias, juntas gubernamentales o corporaciones públicas con autoridad, facultades que me confiere la ley o el reglamento de la firma, y que he producido, sin consentimiento o por negligencia, ya sea por mí, mis agentes o empleados o por otra persona con mi consentimiento, en la presente de cualquier acción judicial y criminal por la cual, y en caso de ser necesario, las competencias involucradas, pero sin limitarse a la terminación de la participación en los procedimientos de verificación profesional en la OPR.

NOTES

SHEET TITLE  
**PROPOSED PLAZA ELEVATIONS**

PROJECT NAME  
**REVITALIZATION PROJECT  
PLAZA DE LA REVOLUCIÓN**

MUNICIPIO DE LARES, PR 00669  
PR-CRP-001088

PHASE  
**NEW CONDITIONS  
ARCHITECTURAL**

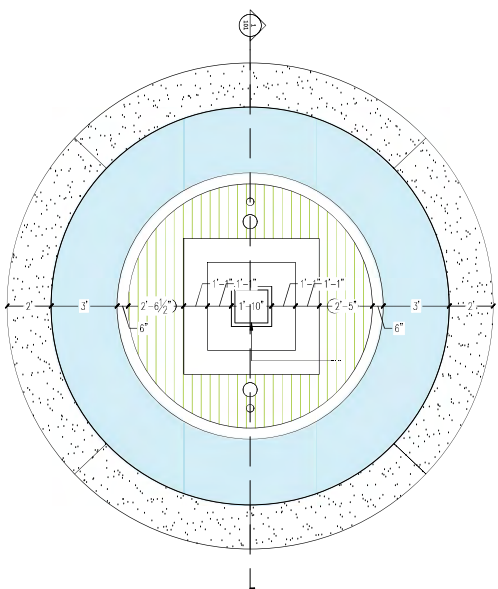
DATE  
**Oct 2024**  
DRAWING SHEET  
**A-3**

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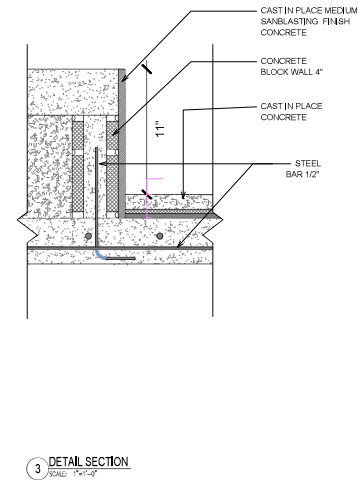
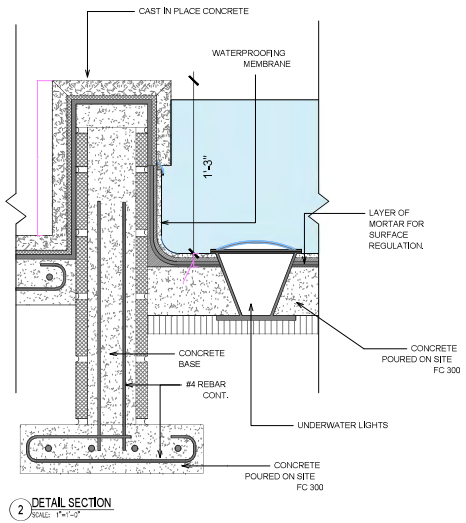
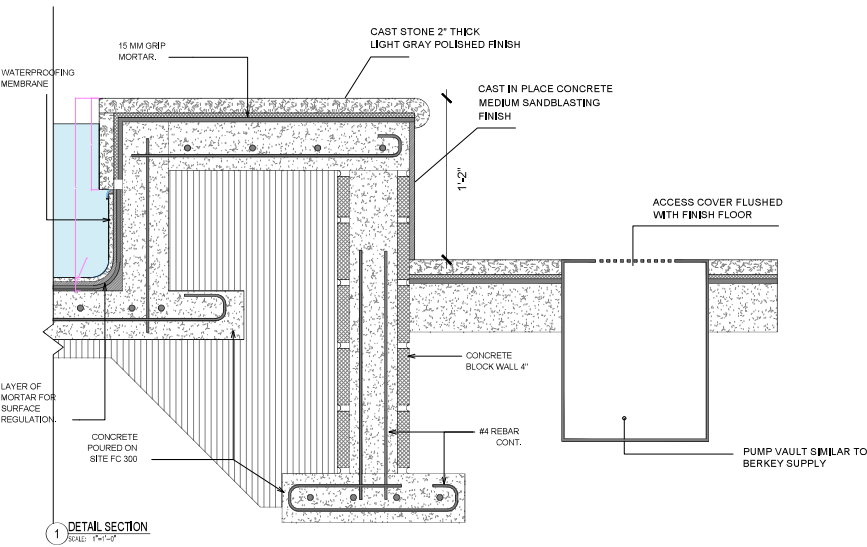




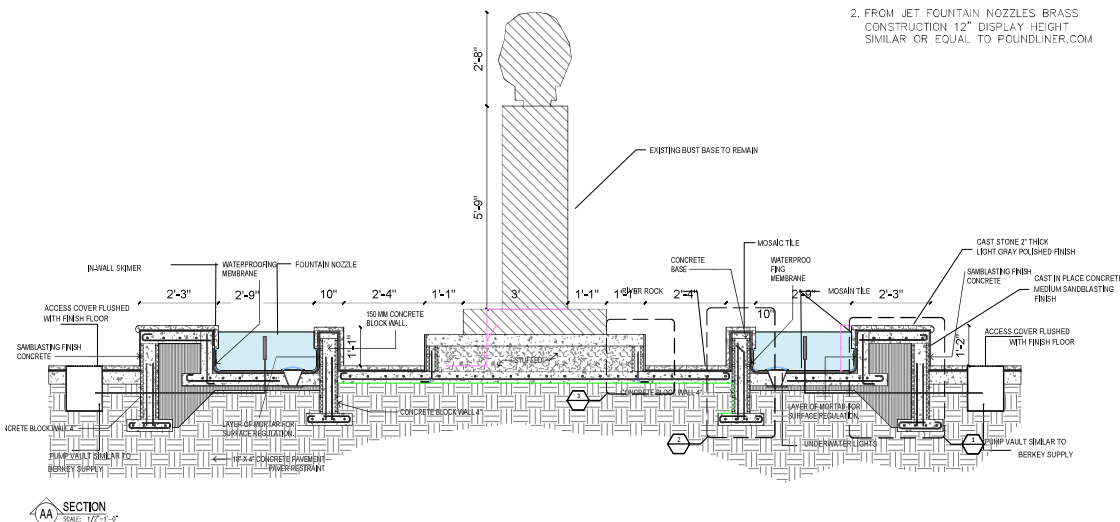
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NEW WATER FOUNTAIN  
SCALE: 3/8"=1'-0"



- NOTAS:
- INTERIOR OF THE FOUNTAIN IN RUBBED CONCRETE, PAINT WITH TWO COATS OF EPOXY PAINT FINISH WITH MOSAIC TILES.
  - FROM JET FOUNTAIN NOZZLES BRASS CONSTRUCTION 12" DISPLAY HEIGHT SIMILAR OR EQUAL TO FOUNDLINER.COM



REVISION	DATE
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REVISION3	DATE13
REVISION4	DATE14
REVISION5	DATE15
REVISION6	DATE16
REVISION7	DATE17

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NOTES

PROPOSED FOUNTAIN

PROJECT NAME  
**REVITALIZATION PROJECT  
PLAZA DE LA REVOLUCIÓN**

MUNICIPIO DE LARES, PR 00669  
PR-CRP-001088

PHASE  
**NEW CONDITIONS  
ARCHITECTURAL**

DATE  
**Oct 2024**  
DWG. SHEET  
**A-6**

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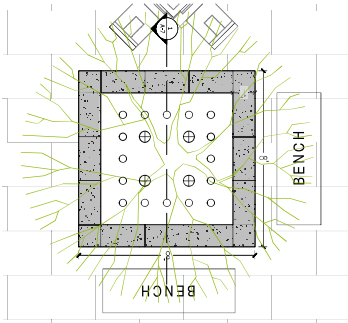
I. PLAN OF IMPLEMENTATION FOR RESTORATION OF THE MOSAIC:

1. PREPARATION:
  - A. REMOVE ANY FURNITURE OR OBSTRUCTIONS FROM THE AREA.
  - B. USE PLASTIC SHEETING OR PAINTER'S TAPE TO PROTECT NEARBY SURFACES AND AREAS FROM DUST AND DEBRIS.
2. CLEANING:
  - A. GENTLY CLEAN THE ENTIRE MOSAIC WITH A SOFT BRUSH AND A MILD DETERGENT SOLUTION TO REMOVE SURFACE DIRT AND GRIME.
  - B. FOR MORE STUBBORN STAINS, USE A SPECIALIZED TILE CLEANER APPROPRIATE FOR THE MATERIAL OF THE MOSAIC. AVOID HARSH CHEMICALS THAT COULD POTENTIALLY DAMAGE THE TILES.
3. REPAIRING:
  - A. CAREFULLY REMOVE ANY LOOSE OR DAMAGED TILES USING A CHISEL AND HAMMER, TAKING CARE NOT TO DAMAGE SURROUNDING TILES.
  - B. CLEAN AND LEVEL THE SUBSTRATE WHERE TILES HAVE BEEN REMOVED TO ENSURE A SOLID FOUNDATION FOR NEW TILES.
  - C. IF NECESSARY, CUT REPLACEMENT TILES TO FIT THE SPACES USING A TILE CUTTER.
  - D. APPLY AN APPROPRIATE ADHESIVE AND PLACE THE NEW TILES, ENSURING THEY ALIGN PERFECTLY WITH THE EXISTING PATTERN.
  - E. ONCE THE ADHESIVE HAS SET, APPLY GROUT TO FILL THE SPACES BETWEEN THE TILES. USE A GROUT FLOAT TO ENSURE EVEN APPLICATION AND REMOVE EXCESS GROUT WITH A DAMP SPONGE.
4. SEALING AND FINISHING:
  - A. AFTER THE GROUT HAS CURED, APPLY A SUITABLE SEALANT TO PROTECT THE TILES AND GROUT FROM FUTURE DAMAGE AND STAINING.
  - B. ONCE THE SEALANT HAS DRIED, POLISH AND BUFF THE MOSAIC TO RESTORE ITS SHINE AND LUSTER.
5. FINAL INSPECTION:
  - A. INSPECT THE RESTORATION: CONDUCT A THOROUGH INSPECTION TO ENSURE ALL REPAIRS ARE SEAMLESS AND THE MOSAIC LOOKS CONSISTENT.

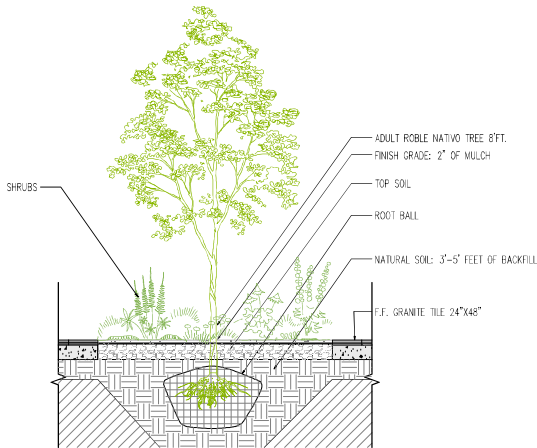
II. MAINTENANCE PLAN:

1. MONTHLY MAINTENANCE:
  - a. USE A SOFT BROOM OR A MICRO-FIBER DUST MOP TO REMOVE LOOSE DIRT AND DUST FROM THE MOSAIC SURFACE.
  - b. USE A SLIGHTLY DAMP MOP WITH A PH-NETRAL CLEANER TO CLEAN THE ENTIRE MOSAIC. AVOID USING EXCESSIVE WATER AS IT CAN SEEP INTO THE GROUT AND WEAKEN IT.
  - c. RINSE WITH CLEAN WATER AND DRY THE SURFACE THOROUGHLY WITH A SOFT CLOTH OR TOWEL.
  - d. INSPECT GROUT LINES: CHECK FOR ANY CRACKS OR AREAS WHERE THE GROUT IS WEARING AWAY.
  - e. REPAIR GROUT: REAPPLY GROUT IN ANY AREAS WHERE IT HAS DETERIORATED IF NECESSARY. ENSURE THE NEW GROUT MATCHES THE EXISTING COLOR.
2. ANNUAL MAINTENANCE:
  - A. SEALANT REAPPLICATION:
    - CHECK IF THE SEALANT IS STILL EFFECTIVE BY SPRINKLING A FEW DROPS OF WATER ON THE SURFACE. IF THE WATER IS ABSORBED, IT'S TIME TO RESEAL.
    - THOROUGHLY CLEAN AND DRY THE MOSAIC BEFORE APPLYING A NEW COAT OF SEALANT.
    - FOLLOWING THE MANUFACTURER'S INSTRUCTIONS, APPLY THE SEALANT EVENLY ACROSS THE SURFACE. ALLOW IT TO DRY COMPLETELY BEFORE USING THE AREA.
  - B. PROFESSIONAL INSPECTION:
    - CONSIDER HIRING A PROFESSIONAL TILE RESTORER TO INSPECT THE MOSAIC FOR ANY UNDERLYING ISSUES THAT MAY NOT BE VISIBLE DURING ROUTINE INSPECTIONS.

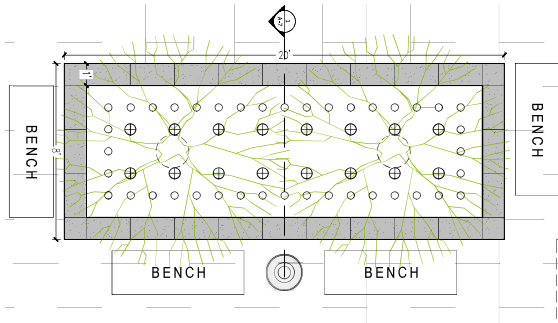
PROPOSED LANDSCAPING  
SCALE: N.T.S.



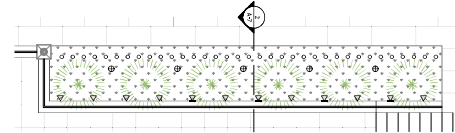
8'X8' PLANTER - TREE AND SHRUB PLANTING  
SCALE: 3/8"=1'-0"



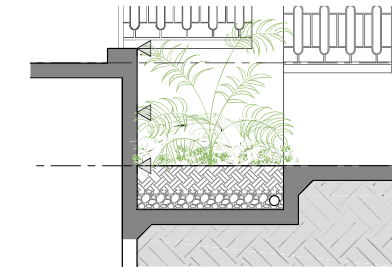
1 TREE PLANTING - DETAIL SECTION  
SCALE: 1/2"=1'-0"



8'X18' PLANTERS - TREE AND SHRUB PLANTING  
SCALE: 3/8"=1'-0"



FRONT STAGE - SHRUB PLANTING  
SCALE: 3/8"=1'-0"



2 SHRUBS PLANTING - DETAIL SECTION  
SCALE: 1/4"=1'-0"

LEGEND:

- TASMANIAN FLAX-LILY (DANIELLA TASMANICA)
- ⊕ CROTON (CROTON VARIEGATUM)
- △ COMMON IVY (HEDERA HELIX)
- ARECA PALM

NOTAS:

1. THE RESTORATION OF THE MOSAIC WILL BE PERFORMED BY OTHER, NEVER THE LESS A YEARLY AND MONTHLY MAINTENANCE PLAN WILL BE IMPLEMENTED FOR FUTURE USE.
2. A 12" X 24" DARK TONE GRANITE TILE WILL BE USE FOR PLANTER'S BORDER.
3. SPECIMEN OF TREE:
  - A. CUPPY TREE (CLUSIA ROSEA)
  - I. TOTAL OF TREES 11
  - II. SEE SHEET A-1 FOR FINAL LOCATION
4. FOR ESCAVATION NOTES REFER TO DEMOLITION SHEET (DP-1)
5. THE MUNICIPALITY SHALL BE RESPONSIBLE FOR THE ONGOING MONTHLY MAINTENANCE OF ALL LANDSCAPING, ENSURING PROPER CARE AND UPKEEP OF PLANTINGS, IRRIGATION SYSTEMS, AND GENERAL LANDSCAPE HEALTH TO MAINTAIN THE AESTHETIC AND FUNCTIONAL QUALITY OF THE PUBLIC SPACE.



10 St. Montecarlo Avenue #886 Rto Piedras,  
PR 00924  
P.O. Box 361298 San Juan, Puerto Rico  
00936-1298

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REVISION5	DATE15
REVISION6	DATE16
REVISION7	DATE17

Yo, ingeniero/a de la firma, certifico, como de Honor, que este proyecto de obra de restauración y mantenimiento del Mosaico de la Plaza de la Revolución, en Montecarlo, P.R., fue diseñado y ejecutado de acuerdo con las disposiciones técnicas del Reglamento de Obras Públicas y las disposiciones aplicables de los reglamentos y códigos de las agencias, juntas, instituciones o corporaciones públicas con jurisdicción, respectivamente, que rigen en el momento de la ejecución de la obra. Yo, como profesional, soy responsable de la calidad de la obra y de la seguridad de la misma. Yo, como profesional, soy responsable de la calidad de la obra y de la seguridad de la misma. Yo, como profesional, soy responsable de la calidad de la obra y de la seguridad de la misma.

NOTES

SHEET TITLE

PROPOSED LANDSCAPE

PROJECT NAME

REVITALIZATION PROJECT  
PLAZA DE LA REVOLUCIÓN

MUNICIPIO DE LARES, PR 00669  
PR-CRP-001088

PHASE

NEW CONDITIONS  
ARCHITECTURAL

DATE

Oct 2024

DWG. SHEET

A-7

Technical drawing of a pedestal lamp. The drawing shows a cross-section of the lamp, which has a wide, flared top and a narrower base. The dimensions are indicated as 1'-6" for the width and 3'-1" for the height.

A photograph of a wooden park bench with a slatted backrest and seat, supported by two metal legs. The bench is shown from a side profile against a plain white background.



URBAN FURNITURE			INVENTORY	
NUM.	ARCHITECTURAL ELEMENTS	QTY.	DESCRIPTION	REMARKS
1	GARBAGE BIN	8	TRASH CAN ROUND WITH COVER MADE IN CAST ALUMINUM AND STEEL SHEET FOR 75 LITERS OF LITTER.	SIMILAR TO IDESIA BY NERI
2	BENCHES	28	SPHEROIDAL GRAPHITE CAST-IRON BENCH WITH SET AND BREAK IN WOOD	SIMILAR TO GLIA BY NERI
3	SOLAR LIGHT POST	17	LED BELL LIGHT SOLAR POWERED	SIMILAR TO ENGOPLANET
4	GAME TABLE	2	CONCRETE PRECAST TABLE WITH FOUR CUBIC BENCHES TO PLAY DOMINO OR CHESS.	36" X 36" SQUARE TOP 18" X 18" CONCRETE BENCH FINISHES. POLISH CONCRETE IN THE SLAB

A-8





**GOVERNMENT OF PUERTO RICO**  
STATE HISTORIC PRESERVATION OFFICE

Executive Director | Carlos A. Rubio-Cancela | [carubio@prshpo.pr.gov](mailto:carubio@prshpo.pr.gov)

Thursday, January 18, 2024

**Lauren Bair Poche**

HORNE - Architectural Historian Manager  
10000 Perkins Rowe, Suite 610 Bldg. G  
Baton Rouge, LA 70810

SHPO: 12-21-23-04 LARES, PUERTO RICO DISASTER RECOVERY, CDBG-DR CITY REVITALIZATION PROGRAM (CRP), PR-CRP-001088, PLAZA DE LA REVOLUCIÓN (TRADITIONAL MAIN SQUARE) REHABILITATION, LARES, PUERTO RICO

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 careful review of the submitted documentation, we believe the proposed undertaking meets the criteria of **adverse effect** per 36 CFR § 800.5 (a) (2) (i). The Puerto Rico Department of Housing will need to consult further with the SHPO to develop and evaluate alternatives or modifications to the undertaking that could avoid, minimize or mitigate adverse effects on historic properties, as per 36 CFR § 800.6.

If you have any questions or comments regarding this matter, do not hesitate to contact our office.

Sincerely,

Carlos A. Rubio-Cancela  
State Historic Preservation Officer  
CARC/GMO/LGC/EVR





October 20, 2022

**Arch. Carlos A. Rubio Cancela**

Executive Director

State Historic Preservation Officer

Cuartel de Ballajá Bldg.

San Juan, Puerto Rico

**Re: Authorization to Submit Documents**

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 registry review services, among others, that will support the objectives of the agenda for both CDBG-DR and CDBG -MIT Programs.

In line 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,

Juan C. Pérez Bofill, P.E. M.Eng

Director of Disaster Recovery

CDBG DR-MIT

December 21, 2023

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-01088: Rehabilitacion Plaza de la Revolucion de Lares - Plaza Publica Project, Lares, 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, the Puerto Rico Department of Housing contracted Horne Federal, LLC (HORNE) to provide environmental records review services that will support the Department's objectives Puerto Rico Housing (PRDOH) for CDBG-DR.

On behalf of PRDOH and the subrecipient, the Municipality of Lares, HORNE is submitting documentation for the proposed Rehabilitacion Plaza de la Revolucion de Lares - Plaza Publica Project. The project area is within the boundaries of the Lares Traditional Urban Center, which is eligible for listing in the National Register of Historic Places. The proposed project aims to rehabilitate and renovate the city plaza. Work will consist of the demolition of the walls surround the plaza, the repair and expansion of stairs along Calle Don Pedro Albizu Campos and Calle Vilella, sidewalk improvements to meet ADA compliance, landscape maintenance, rehabilitation of the existing mosaic, improvements to the plaza drainage system, the replacement of tiles in front of the church In the plaza, installation of bollards along Calle 32 de September, rehabilitation of the existing platform, electrical upgrades, and layout changes to the plaza. Those layout changes will include the removal of the existing fountain and construction of a new fountain with the Ramón Emeterio Betances

monument at its center, new paving stones, demolition of existing planters, the construction of a kiosk in the location of an existing planter, lighting replacement/relocation, and new urban furniture. The full scope of the project is described in detail within the submitted documentation, which includes mapping, photographs, and 60% design plans.

Based on the provided documentation, the Program requests a concurrence with a determination that no adverse effect to historic properties is appropriate for this undertaking, conditioned to archaeological monitoring to be conducted during ground disturbing activities that extend below 6 inches in depth, and the submission of a work plan for review and approval.

Please contact me with any questions or concerns by email at [lauren.poche@horne.com](mailto:lauren.poche@horne.com) or phone at 225-405-7676.

Kindest regards,




**Lauren Bair Poche. M.A.**

Architectural Historian, EHP Senior Manager

Attachments



<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>INVESTMENT PORTFOLIO FOR GROWTH PROGRAM (IPG)</b> <b>Section 106 NHPA Effect Determination</b>		
<b>Subrecipient:</b> Municipality of Lares, Puerto Rico		
<b>Program ID Number:</b> PR-CRP-001088		
<b>Project Name:</b> Plaza de la Revolución (Traditional Main Square) Rehabilitation		

<b>Project Location:</b> Dr. Pedro Albizu Campos St. Lares, Puerto Rico 00669	
<b>Project Coordinates:</b> Lat: 18.294829, Lon: -66.877704.	
<b>TPID (Cadaster Number):</b> 158-060-038-01	
<b>Type of Undertaking:</b> <input checked="" type="checkbox"/> Substantial Repair/Improvements <input type="checkbox"/> New Construction	
<b>Construction Date (AH est.):</b> 1827	<b>Property Size:</b> 0.414003 Acres

<b>SOI-Qualified Architect/Architectural Historian:</b> Carlos Ferrán, Conservationist Architect
<b>Date Reviewed:</b> November, 2023
<b>SOI-Qualified Archaeologist:</b> Norma Medina-Carrillo, Ph.D.
<b>Date Reviewed:</b> November, 2023


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 is located within the geographic area of potential effects (APE) of the proposed project and assessing the potential effects of its undertakings on these historic properties.

### Project Description (Undertaking)-Established and written by Proponent.

The municipality of Lares, originally a neighborhood of the Municipality of San Sebastián, was founded on April 26, 1827. In 1873, an alignment of streets in the urban area provided the space for the location of the current Plaza de La Revolución. Construction of this Plaza began in 1876 and was completed in 1878 under the name of Plaza España.

The Plaza remains under this name until 1890, when it was renamed Plaza Peral, and then in 1898, after the US occupation, Plaza Washington. Finally, in 1925, in memory of the act of Revolution against the Spanish government "El Grito del Lares", the Plaza was named "La Plaza de la Revolución" and remains under this name to this day.



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The last reconstruction of the Plaza was performed in the 1990s, by Architect Miguel Soto Cuevas. This last remodeling entailed significant changes to the original plaza, including a new fountain, and a platform with shops on the ground floor, as well as leveling the space of the plaza and new floor layout. certified by ARPE on January 16, 1996 (currently the OGPe).




The Municipality of Lares, in its recovery efforts after the impact of hurricanes Irma and María, is seeking to provide the community with open spaces for recreation and distraction within the urban areas. The Municipality of Lares is trying to rehabilitate the plaza, and at the same time provide the community with an open space for passive recreation and gathering. The historical urban delimitation area is shown in Figure 1.




### Description of Proposed Interventions

This proposal aims to rehabilitate the Plaza with a more open layout. The proposed changes include the following:

1. Demolition of surrounding walls, repair, and expansion of stairs (Calle Don Pedro Albizu Campos and Calle Vilella).
2. New plan layout of the Public Square:
  - a. Removal of the existing fountain. A provision for a future time capsule will be left in this space.
  - b. Construction of new fountain surrounding Ramón Emeterio Betances monument.
  - c. Removal of paving stones and replacement with new tiles.
  - d. Demolition of planters.
  - e. In the area of one of the existing planters' locations, it is proposed the Installation of a new Coffee Shop.
  - f. Installation/relocation of lighting according to the new design

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- g. Installation/relocation of benches according to the new design
- h. Addition of game tables and umbrellas for shading according to the new design.
- 3. Rehabilitation of Platform:
  - a. New coffee shop in the plaza area.
  - b. Installation of a metal structure with a light roof to avoid the occasional installation of temporary tents.
  - c. Demolition of ramp and installation of new in ADA compliance.
- 4. Electrical system to provide:
  - a. Power for new coffee shop
  - b. Installation of Power panels surrounding the Plaza to provide more secure connections for temporary loads (i.e., Christmas decorations, etc.).
  - c. Exterior 120 VAC outlets across the Plaza and the Platform.
- 5. Sidewalk improvements for ADA compliance.
- 6. Where applicable, maintenance of existing trees and vegetation.
- 7. Rehabilitation of the existing mosaic.
- 8. Improvements in the drainage system of the plaza and the pluvial system, where required.
- 9. Removal of tiles on the Calle 23 de September Street in front of the Catholic Church. New tiles installation in the Plaza. This Plaza floor finished side level will be paired to the same level of the street. This will provide the effect as if the street is an extended part of the Plaza.
- 10. Installation of Bollards with a chain to control traffic into the Calle 23 de September. After the demolition of the ramp, surrounding walls, planters, and fountain, all plaza floor bricks will be removed which will range from 4" to 6" inches from the existing level.

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To the North side of the Plaza, is the Calle 23 de Septiembre that runs between the Plaza and the Catholic Church. Its construction is concrete with a central detail of cobblestones. As part of the work, these paving stones will be removed. The Plaza on the north side will be impacted to bring it to the same level as Calle 23 de Septiembre and covered with a tile similar to the Plaza. The level of the north sidewalk will be lowered to bring it to the level of Calle 23 de Septiembre. This is approximately **4 inches** from the current street level.

The current slab of the Plaza is covered by concrete pavers. These pavers will be removed, and the Plaza will be covered with new granite tiles. The ramp in front of the platform located on the South side of the plaza will be rebuilt to bring it into ADA compliance. The new ramp will be in the same location and will require footings no greater than **24 inches**, below the level of the current slab of the plaza. It is expected that this area was previously impacted, given that the current plaza was backfilled in to bring all the earthenware to the same level, given the natural inclination of the land.

In the northwest area of the Plaza, the construction of a concrete slab is required to install a pre-built cast iron coffee shop. For this, an existing tree will be removed, and the kiosk will be located on the footprint of the planter. This slab may require a **6 inches** thick structural concrete base.

The sidewalks surrounding the plaza will be replaced with new sidewalks, in the same place where the land was previously impacted, this is approximately **4 inches** from the current street level.





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Figure 1. Traditional Urban Center Delimitation Map



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### 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 is 0.414003 Acres, and the visual APE is the viewshed of the proposed project.

The direct and indirect visual APE Length (North to South axis) is: 204.59 linear feet and width (East to West axis): 164.40 linear feet. The streets boundaries of the direct and indirect visual APE are: North: A Street, South: Ramírez Street, East: Vilella Street and West: Dr. Pedro Albizo Campos Street.


### Identification of Historic Properties – History

The town's original name is “San José de Lares”. The name Lares comes from Amador Lariz, a colonizer of Basque origin who arrived on the island in 1512 and was favored with an “encomienda”<sup>1</sup> of 150 Taino Indians. Amador Lariz was dedicated to hunting animals, acquiring their skins, and sending them to Spain for sale. The region was known as the Hato de Lariz, the name San José de Lares derives from the surname Lariz, belonging to this Spanish colonizer. Among the surnames of Basque origin of the original colonizers of Lares are the Segarra, Echemendia, Irizarry, Galaosa, and De la Jara. In 1752, when the town of San Sebastián del Pepino was founded, the Hato de Lariz became part of the territory of San Sebastian.

In the early 1800s, a movement arose in the Site of Lares to find a town in that place. The residents requested the separation of San Sebastián claiming that the religious services offered in that town were too far away and the roads were difficult to travel. In tune with the Laws of the Indies for the foundation of towns, the members of this movement presented the main argument, to request the division of Lares and El Pepino

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<sup>1</sup> The encomienda was a characteristic institution of Spanish colonization in America established as a right granted by the king in 1523 in favor of a Spanish subject, called “encomendero”, with the purpose that he received the taxes that the aboriginal population had to pay to the Crown in work or in kind and, later, in money. In return, the “encomendero” had to take care of the welfare of the aboriginal population in the spiritual and earthly, ensuring their maintenance and protection, as well as their religious indoctrination in the Christian faith. However, under this institution, there were abuses by the “encomenderos” and the system often resulted in forms of forced or non-free labor, by replacing, in many cases, the payment in kind of the tribute for work in favor of the “encomendero”. <https://enciclopediapr.org/content/el-sistema-de-la-encomienda/>


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the great distance that separated both points also affecting the administration of justice. The fertility and healthiness of the place made feasible the establishment of a new town that already had 273 inhabitants. The neighbors of the Lareña region gave power to Don Juan Francisco de Sotomayor and Don Pedro Vélez y Borrero so that they could make efforts aimed at achieving the foundation of the town.

Originally, it was thought to build the town in a wide savannah, where Martín Medina had donated a hundred ropes of land, but it was decided to build it in the fifteen ropes donated by Don Juan Antonio de Toledo. This decision was because the place was "at a regular high, materials at hand, water very close and in the middle of the neighborhood." On April 26, 1827, Governor Miguel de la Torre approved the request for the foundation of the town and separated Lares from the town of San Sebastián del Pepino. Don Juan Francisco de Sotomayor was named its first mayor. The parish was constituted about ten years later, in 1838. During the transit through the nineteenth century, Lares developed a strong agricultural economy based on coffee cultivation. The cultivation of oranges, bananas, minor fruits, and livestock were traditionally economic activities secondary to coffee. The population of Lares was growing as it developed as a coffee center of excellence. In the description of Manuel Ubeda y Delgado of the Town of Lares in 1878 the following data of the town of Lares are noted (Figure 2).

- It is crossed by seven streets, the main one being Comercio Street.
- A beautiful square is being built.
- In front of the square, it is in very advanced work, to replace the wooden one, in poor condition that exists today, the parish church. The new one is made of masonry and for it the amount of 24,000 pesos has been budgeted.
- The Town Hall House is made of wood, has two floors, and is owned by the state.
- The wooden cemetery is in disrepair.
- The butcher shop is also made of wood, in regular condition.
- In the main street there is a hermitage, Christ, in ruins.
- The City Council has a wooden house that was designed for a boys' school and whose value is 1,500 pesos.
- The Civil Guard Barracks occupies a wooden rental house located in the Plaza.
- The Public Order, another of the same conditions in the same place.
- The population communicates: with San Sebastian by road of second order, with Las Marías by a neighborhood road of twelve kilometers ...<sup>2</sup>

<sup>2</sup> Sepúlveda Rivera Aníbal, Puerto Rico Urbano, CARIMAR Vol. 3, 2004. Pages 226-227.

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During the boom in coffee prices, the number of haciendas increased and therefore the population of Lares increased. Coffee prices continued to rise steadily between 1887 and 1896. The main markets for Puerto Rican coffee were Cuba and Europe, "preferably destined for the ports of Hamburg, Bremen, Le Havre, and Southampton. The producers of the aromatic grain faced some difficulties in obtaining agricultural credit and in addition, they were geographically located in mountainous areas isolated from urban areas, virtually cut off by the absence of adequate communication routes.

The principal coffee-producing centers were Utuado, Jayuya, Las Marías, Maricao, Lares, Yauco, Adjuntas, Ciales, San Sebastián, and Juana Díaz y Villalba." The main export ports of Lareño coffee were Ponce and Mayagüez. Coffee cultivation represented the largest agricultural industry in Lares at the time of the Spanish American Cuban War of 1898. Lares maintained an annual production of 5,000 pounds of coffee surpassed only by the municipality of Yauco. Coffee production was stimulated in this period by a sustained rise in coffee prices from 0.12 Spanish Pesos in 1887 to 0.25 Spanish Pesos, in 1893.




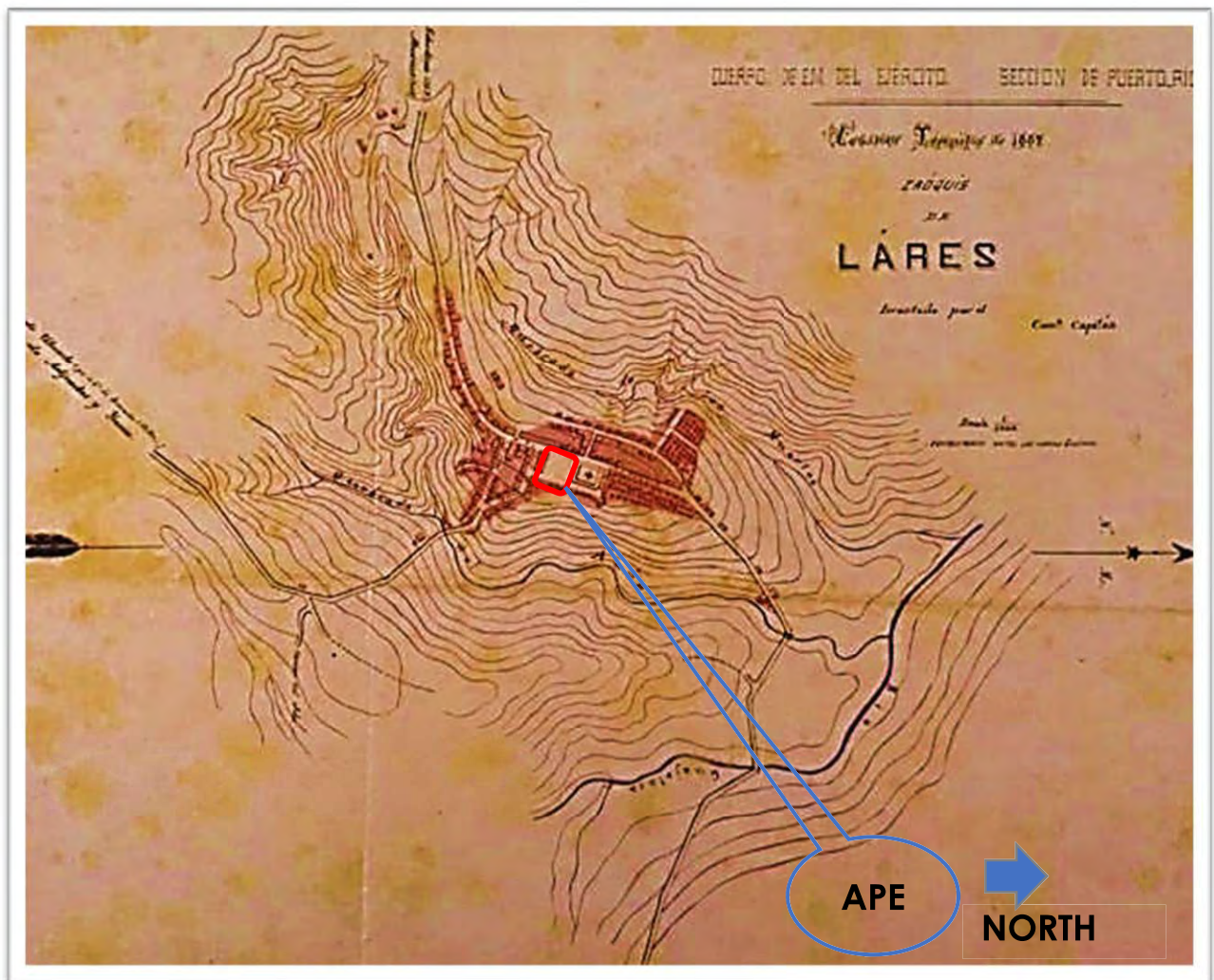

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Figure 2: Mapa del pueblo de Lares en 1889.<sup>3</sup>



<sup>3</sup> Sepúlveda Rivera Aníbal, Puerto Rico Urbano, CARIMAR Vol. 3, 2004. Pages 226.

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The rise in the sale price of coffee greatly stimulated the increase of cultivation ropes and the increase of haciendas and coffee farms during this same period. During the decade of 1880-1890, Lares became the second-largest coffee producer on the island after Yauco. Eight municipalities in central and western Puerto Rico contributed more than 60% of the island's coffee production with a production of 35,000 pounds. In addition to these 35,000 pounds, it is estimated that another 20,000,000 were produced among the other municipalities of the Island to reach a total production of 55,000,000 pounds annually.

According to Coll y Toste in the municipality of Lares in 1899 there were about 116 farms and coffee-producing farms. Lares had 6,098 ropes planted with coffee and 3 “tahona” machines (related to coffee exporters) were operated. As a result of the increase in coffee cultivation, the population increase of Lares was evident when in 1899 it already had 20,883 inhabitants and Lares was considered one of the towns with the largest population on the island. Thirty years later, on September 21, 1889, Lares was invaded by U.S. troops during the events of the Spanish-American War and officially handed over to the Americans on September 21, 1898. Hurricane San Ciriaco in 1899, caused heavy losses in the coffee agriculture sector.

The area under evaluation is part of the historic center of the town of Lares. The foundation of Lares dates to 1827, when the founding nucleus of the town was established. Initially, the area of the Plaza was a rectangular, open space, which had multiple uses, including coffee drying. In 1868, it was the scene of the revolutionary movement for the Independence of Puerto Rico where revolutionaries meet to declare the Independence of the Island of Puerto Rico from Spain. From these facts derives the detail that it is recognized as Plaza de la Revolución de Lares (Figure 3).

In 1897 the coffee boom came to an end. The high prices that had characterized the exchanges in the world markets of the product subsided that year, due to the world overproduction of coffee. The coffee crisis affected harvesters throughout America. In July 1898, Puerto Rico was invaded by the United States of America. The war ended in an illegal transfer of the island of Spain to the United States called the Treaty of Paris. This event catapulted Puerto Ricans to a new political state, a change of market, economy, and the imposition of a new sovereignty. The passage of Hurricane San Ciriaco, in 1899, greatly affected the coffee harvest which led the local industry to face a great economic crisis. The coffee industry received a mortal blow, from which, 105 years later, it has not been able to recover.




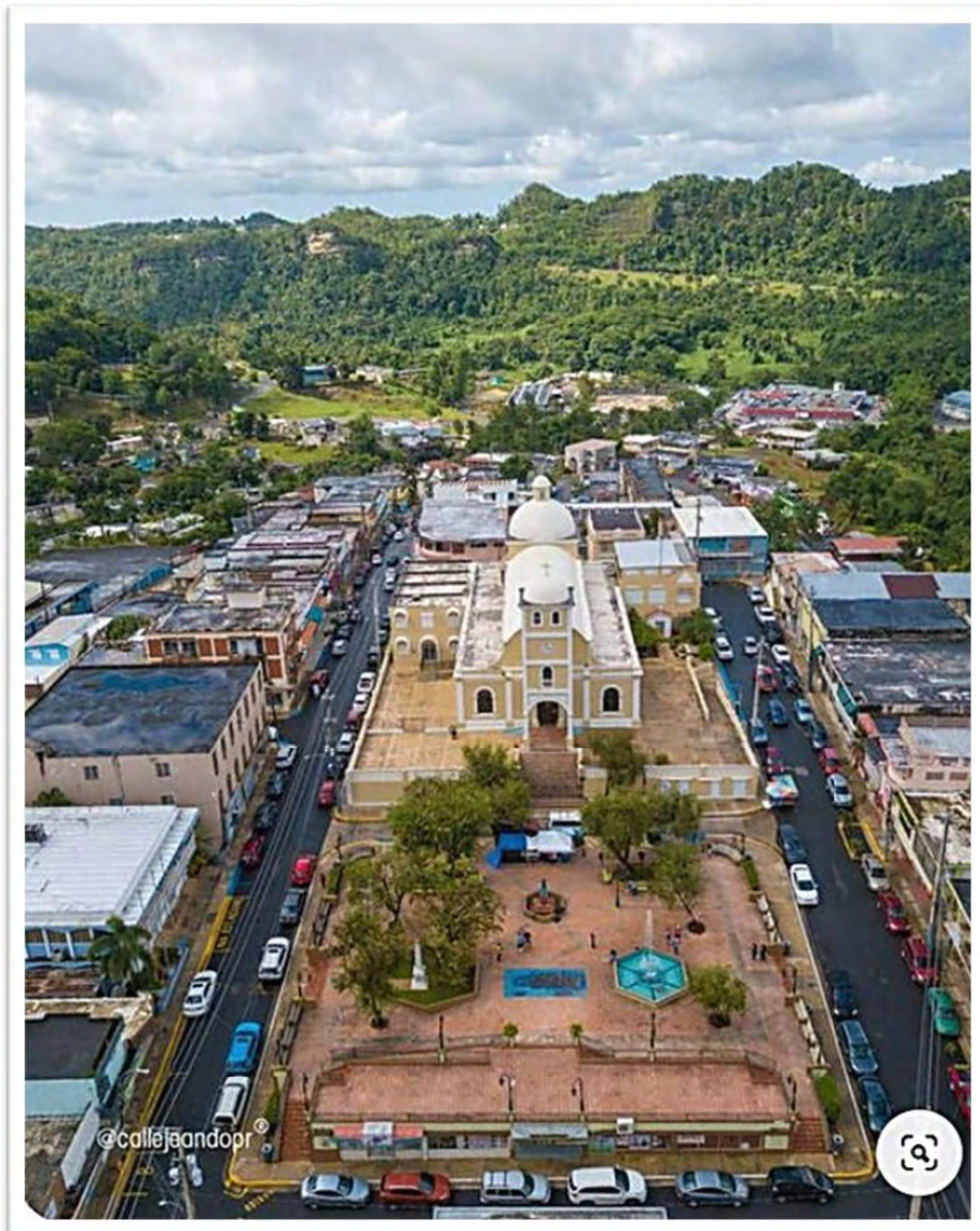

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Figure 3: Aerial view of the Plaza de la Revolución de Lares.<sup>4</sup>



<sup>4</sup> [callejandopr.com https://www.pinterest.com/pin/400609329367206489/](https://www.pinterest.com/pin/400609329367206489/)

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## Plaza de Lares

The space demarcated as the public square of the town has existed since the beginning of the foundation of the town of Lares in 1827. Initially, the space in front of the San José church was defined with an embankment area, common to all the initial foundational urban processes in nineteenth-century Puerto Rico. During 1878, the first square design proposal was being constructed. In 1890 the Plaza was reconoced as "Plaza del Peral". From this moment on, the public square of Lares has undergone innumerable changes over time. In 1880 the first design project for the Plaza de Lares was established (Figures 4 and 5).

Forty-five years later, in 1925, the third project of the Plaza was rebuilt this time, designed by the architect Francisco Levy<sup>5</sup> (Figure 6). After this remodeling, it was renamed "Plaza de la Revolución" in honor of the Heroes and Martyrs of the armed Revolution against Spain in 1868. On this occasion, I place an obelisk commemorating the deed of the "Grito de Lares". In 1968, on the celebration of the centenary of the Revolutionary Gesta of the Grito de Lares, a bust of the Puerto Rican patriot, Ramos Emeterio Betances, sculpted by the artist Rafael López del Campo, was placed in the Plaza de la Revolución. The square was redesigned again in the year ©1980 when it acquires its current appearance, this project was under Engineer Gilberto Reyes.<sup>6</sup>

Figure 4: View of the Plaza de Lares in 1914.<sup>7</sup>



<sup>5</sup> PR-SHPO Archives, Estudio de los Recursos Patrimoniales del Municipio de Lares, Lares Urbano, Vol. II. V. J. López and J.F. Paralitici, 1991.

<sup>6</sup> Ibid.

<sup>7</sup> Sepúlveda Rivera Aníbal, Puerto Rico Urbano, CARIMAR, Vol. 3, 2004. Page. 229.




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Figure 5: View of the Plaza de Lares 1917.<sup>8</sup>

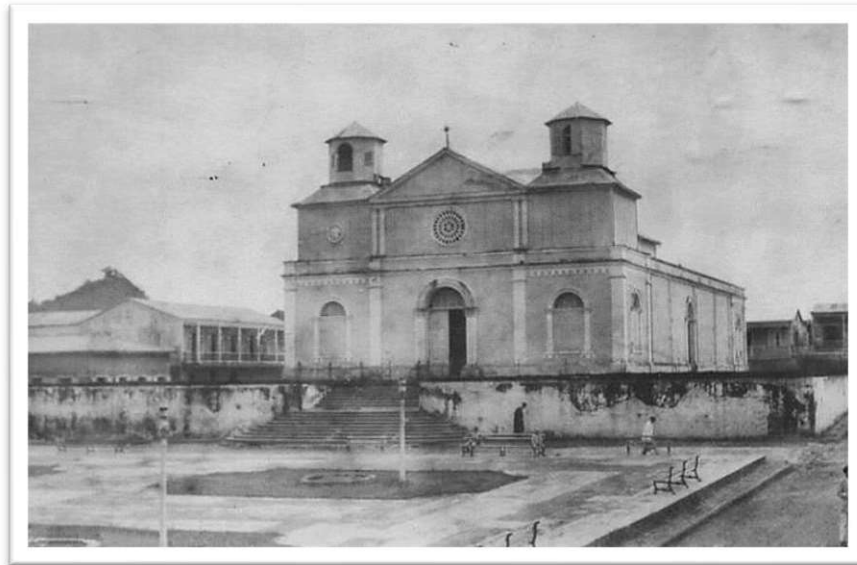



Figure 6: View of the Plaza de Lares in 1919-28.<sup>9</sup>



<sup>8</sup> Sepúlveda Rivera Aníbal, Puerto Rico Urbano, CARIMAR, Vol. 3, 2004. Page. 228.

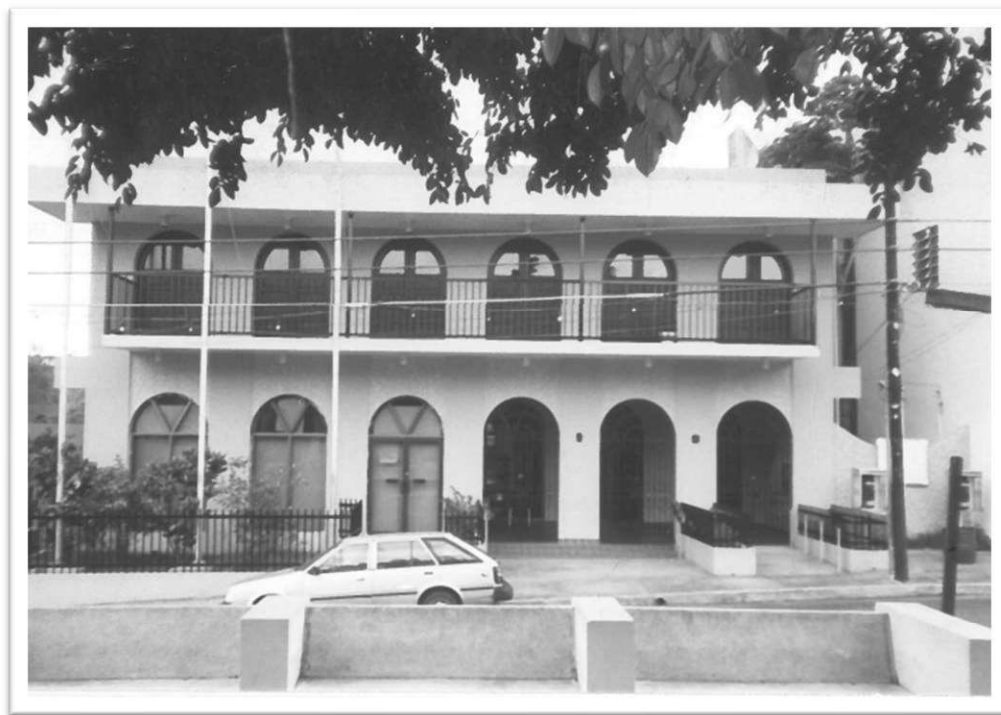
<sup>9</sup> Ibid. Vol. 4, Page 244.

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## The Lares City Hall

In the nineteenth century and the middle of the twentieth century, the municipality of Lares did not have a City Hall on the property. The City Hall was established in several rented properties just on the periphery of the Plaza and the San José Church. It was in 1956 when the first Mayor's Office of Lares was inaugurated in a building built for this purpose. This first City Hall was in front of the Court of Justice. To move the Mayor's Office, in front of the "Plaza de la Revolución" in 1977, the current building that houses the Lares City Hall was built and inaugurated. Currently, the building of Lares City Hall is 67 years old. (Figure 7).

Figure 7. Lares City Hall in 1991.<sup>10</sup>



<sup>10</sup> PR-SHPO Archives, Estudio de los Recursos Patrimoniales del Municipio de Lares, Lares Urbano, Vol. II. V. J. López and J.F. Paralifici, 1991.

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### San Jose Church, Lares Catholic Church

The San Jose Church of Lares was originally built in 1881. The building was designed by Ramon Soler. Originally the walls were built of masonry and the two towers were built of wood (Figure 6). In 1878, "In front of the square, it is in very advanced work, to replace the wooden one, in poor condition that exists today, the parish church. The new one is made of masonry and for it, the amount of 24,000 pesos has been budgeted".<sup>11</sup> During this period (1878-1930), the church was rebuilt and brought to its present form (A concrete roof was installed, and the front porch or hall, the two original towers were replaced with the present one. The existing concrete tower was added in c1930. (Figures 8, 9 and 10).<sup>12</sup>

Figure 8: Original San Jose Church in a photograph of 1899.<sup>13</sup>



<sup>11</sup> Sepúlveda Rivera Aníbal, Puerto Rico Urbano, CARIMAR, Vol. 3, 2004. Page. 226-227.

<sup>12</sup> PR-SHPO FILES: Masonry and brick building, built in 1880 to replace the previous one that existed in the same place, adding the existing concrete tower c1930. It is in front of the Plaza de Recreo, the center of the traditional urban area of the town since its foundation in c1827. The cultural association of this cultural property is with the Historical Period (Spanish Colonial) of the 19th century.

<sup>13</sup> Sepúlveda Rivera Aníbal, Vol. 3, 2004. Page. 227.




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Figure 9: San José Church in a photograph of 1940.<sup>14</sup>



<sup>14</sup> <https://www.facebook.com/prilustrado/photos/a.2024964604254197/3976639149086723/?type=3&theater>





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Figure 10: Sketch made by the Puerto Rico Historic Buildings Drawings Society of Lares San Jose Catholic Church.<sup>15</sup>



<sup>15</sup> <https://www.prhbds.org/lares>

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## Analysis of Historic Quadrangles and Aerial Photographs.

**Figure 11: USGS Historical Topographic Quadrangle 1938.<sup>16</sup>**




SOURCE: USGS TOPOGRAPHIC MAPS

APE

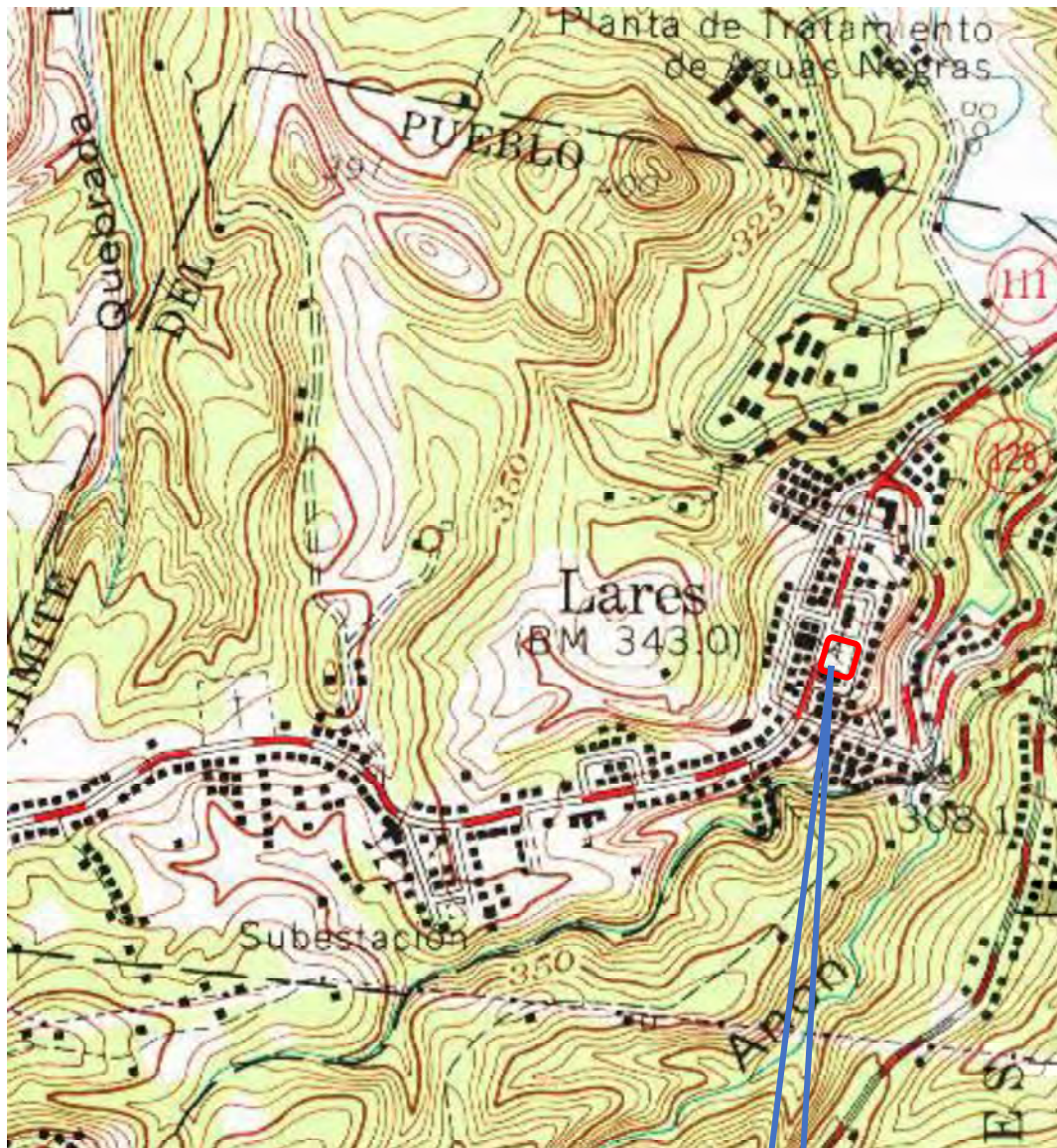
NORTH

<sup>16</sup> [https://ngmdb.usgs.gov/ht-bin/tv\\_browse.pl?id=5bfc95c0a0bae772f8cc4e37471cc9f0](https://ngmdb.usgs.gov/ht-bin/tv_browse.pl?id=5bfc95c0a0bae772f8cc4e37471cc9f0)



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**Figure 12: USGS Historical Topographic Quadrangle 1958.<sup>17</sup>**




SOURCE: USGS TOPOGRAPHIC MAPS



<sup>17</sup> [https://ngmdb.usgs.gov/ht-bin/tv\\_browse.pl?id=5bfc95c0a0bae772f8cc4e37471cc9f0](https://ngmdb.usgs.gov/ht-bin/tv_browse.pl?id=5bfc95c0a0bae772f8cc4e37471cc9f0)




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**Figure 13: USGS Historical Topographic Quadrangle 2013.<sup>18</sup>**

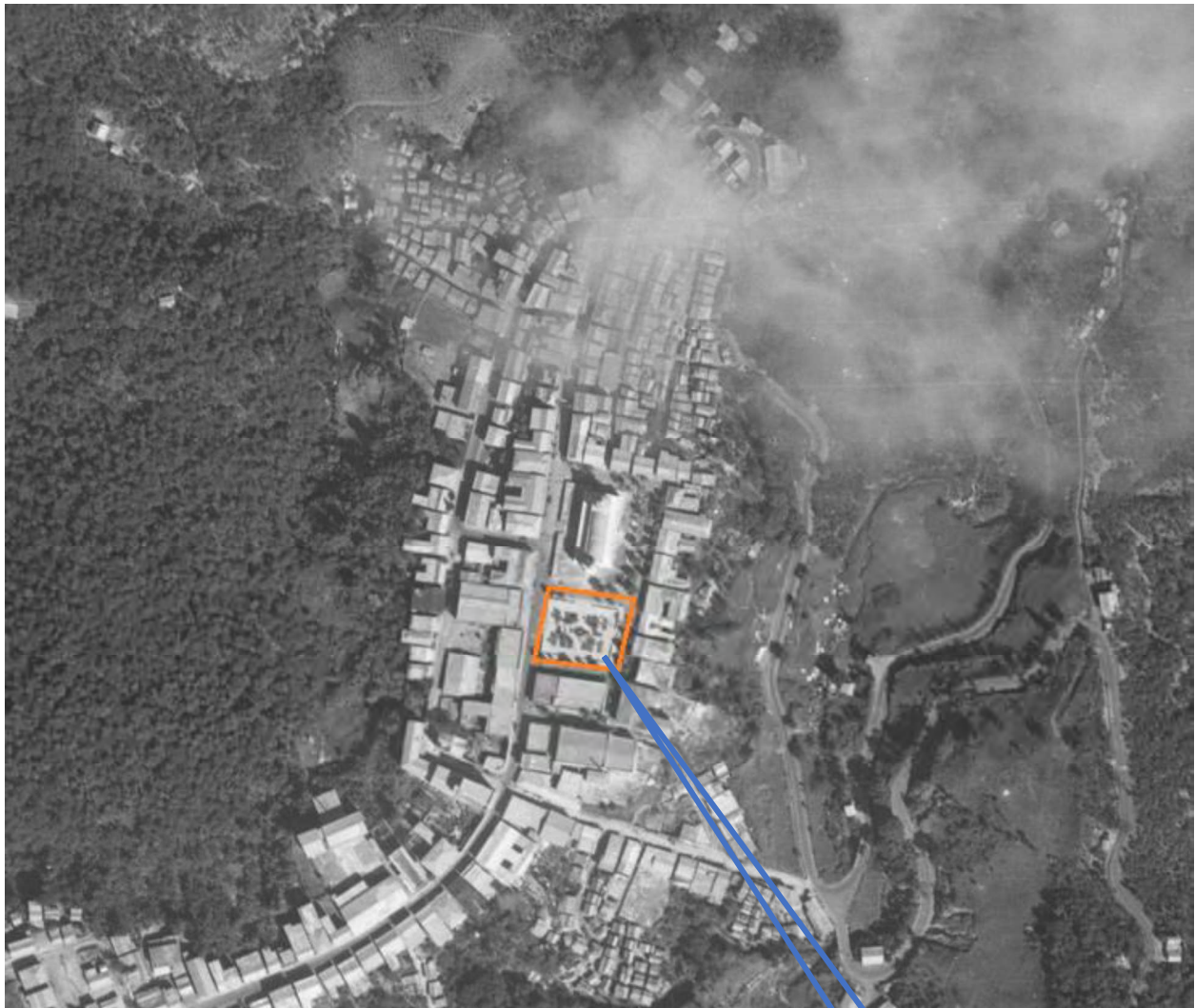


<sup>18</sup> [https://ngmdb.usgs.gov/ht-bin/tv\\_browse.pl?id=5bfc95c0a0bae772f8cc4e37471cc9f0](https://ngmdb.usgs.gov/ht-bin/tv_browse.pl?id=5bfc95c0a0bae772f8cc4e37471cc9f0)



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**Figure 14: Lares aerial photography of 1931.<sup>19</sup>**



This aerial picture shown the design by Architect Francisco Levi



<sup>19</sup> Photogrammetry DTOP.


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**Figure 15: Lares aerial photography of 1963.<sup>20</sup>**

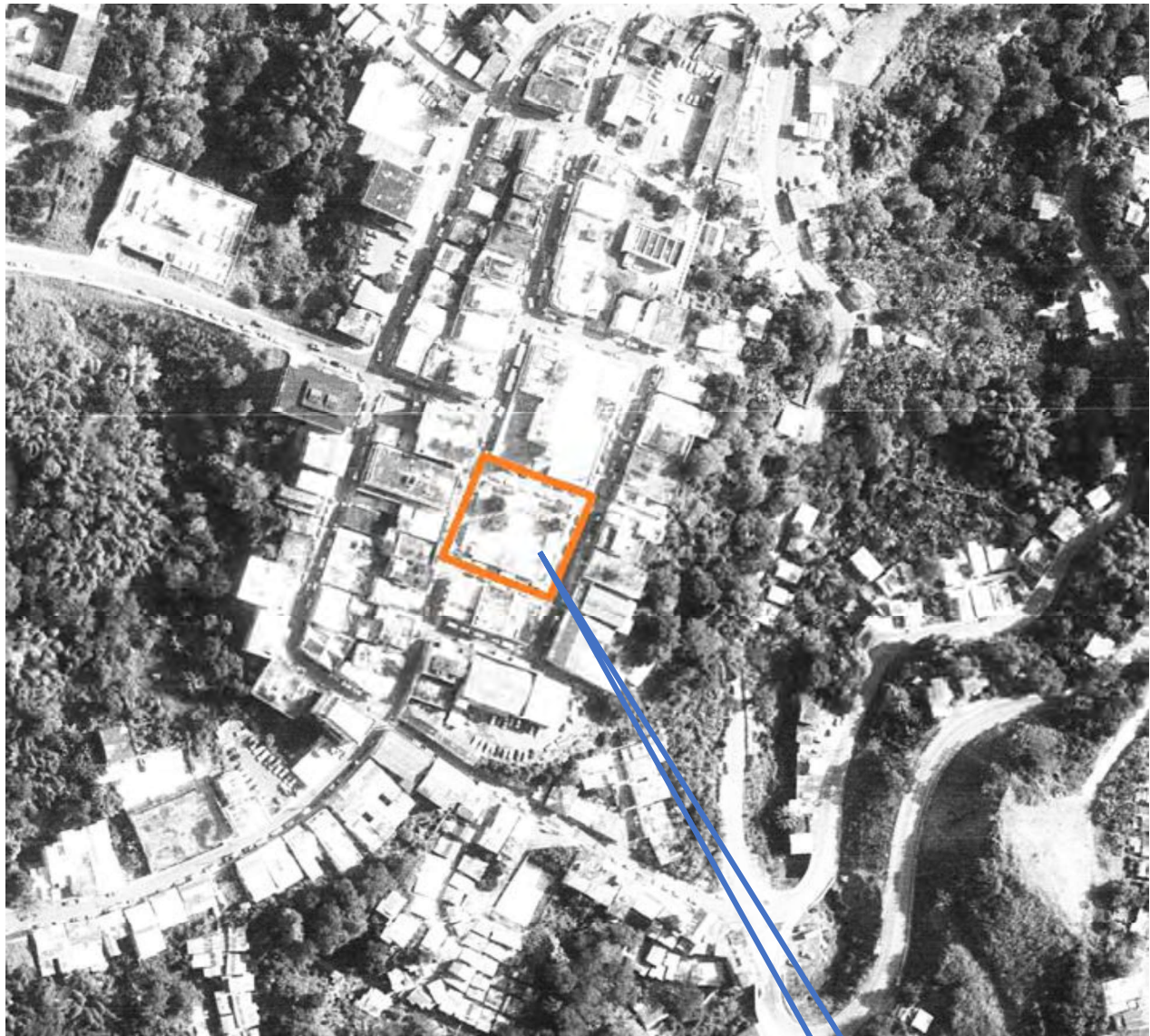


<sup>20</sup> Photogrammetry, DTOP.



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**Figure 15: Lares aerial photography of 1985.<sup>21</sup>**



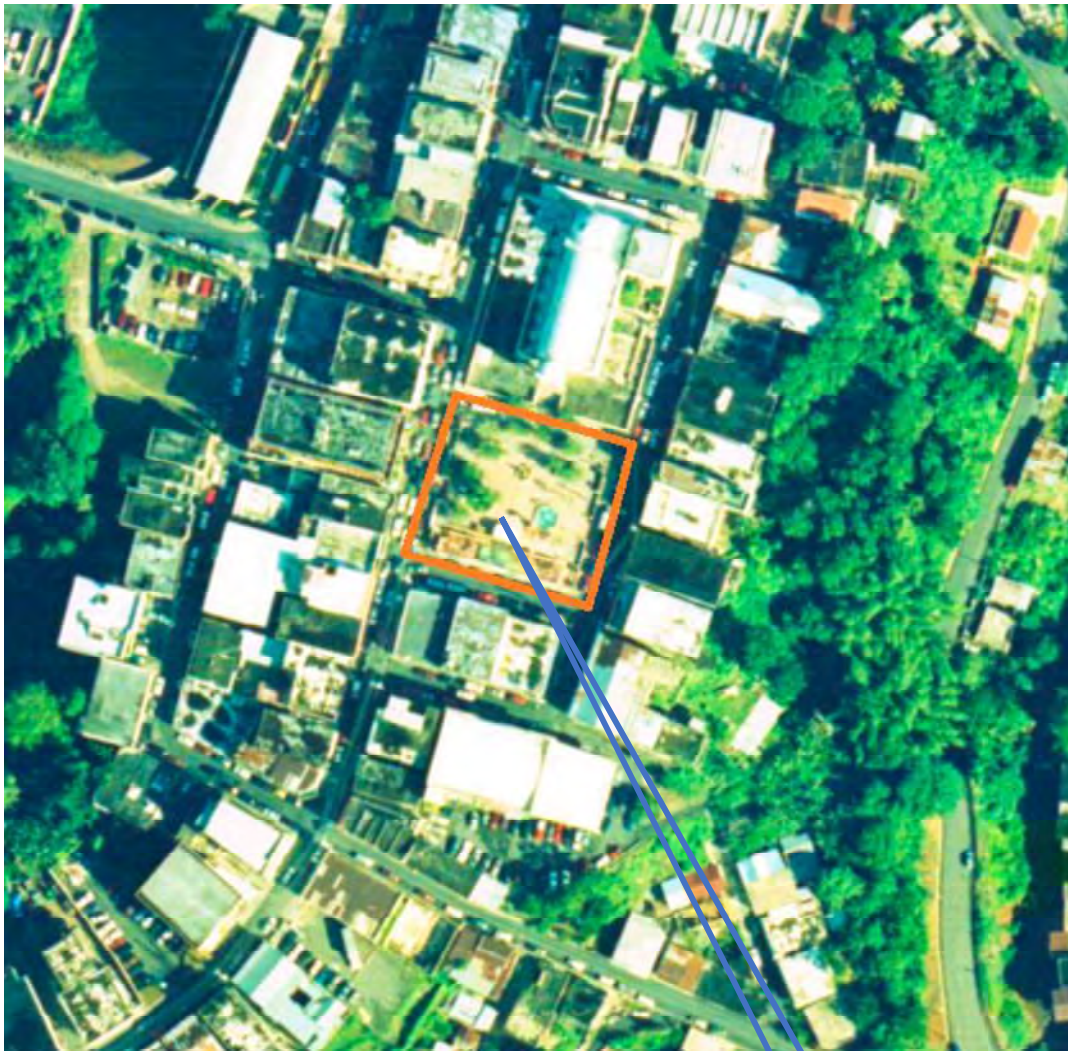
This aerial picture shown the design by Engineer Gilberto Reyes



<sup>21</sup> Photogrammetry, DTOP.

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**Figure 16: Lares aerial photography of 2003.<sup>22</sup>**




#### **Analysis**

In the topographic quadrangles from 1938, 1958 and 2013, no substantial changes could be observed on the Lares Main Urban Square.

On the aerial photographs from 1931 and 1963, the design by Architect Francisco Levi can be observed. The aerial photographs of 1986 and 2003, the design by Engineer Gilberto Reyes is observed and it is the actual design of the square, up to date.

<sup>22</sup> Photogrammetry, DTOP.



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## Archaeological Resources near the project APE.


### Description of previous impacts.

The Plaza de la Revolución in Lares has gone through four construction periods throughout its history. Starting as an embankment in the first half of the 19th century, the plaza has overcome three subsequent remodeling, one circa 1878, another circa 1920, and the last intervention in the 1980s.

In each one of these renovations, it can be stated that the ground where the square is located has suffered some impacts. Starting in the Nineteenth Century with the installation of gas-lighting lamps and benches. During the first remodeling, in 1878, the Plaza was paved with bricks, and planters were added at ground level inside the plaza. Sidewalks around the Plaza were constructed, and stairs were established. Trees were planted, Lanterns with bases were established, and new benches were placed.

In the 1920's a second remodeling took place, this time the design of the plaza was done by architect Francisco Levy. In this intervention, a large Ornamental concrete fence with streetlamps was built, and new pavement. New benches were installed. The shape and location of the ground planters were changed. Trees were removed from the interior space of the Plaza. During this remodeling, the Plaza and the Church were separated by the construction of Street A. Initially, at the time of the founding of the town (1878) and the selection of the location of the Town Plaza and the San José Catholic Church, the colonial model of the "Plaza with the contained church" was followed, offering the highest topography of the top of the hill for the location of the Catholic church.

In the 1980's a third remodeling took place, on this occasion the new design of the plaza was done by Engineer Gilberto Reyes. In this remodeling, the Lares Plaza acquires its current appearance. Some of the principal changes were the demolition of the ornamental fences, new trees replanted inside the square, and a new stage area built to the South of the plaza above the level of the square. Below this stage area, several commercial spaces were created facing Ramírez Street. The pavement was replaced, and new benches were installed. A fountain was built, and a mosaic was installed fixed to the floor of the square. A bust of Ramon Emeterio Betances was placed in the center of the Plaza.

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### **Integrity of potential resources and ground disturbances**

The potential archaeological resources that may exist under the pavement of the “Plaza de la Revolución” de Lares are associated with the various remodeling phases of the square. The first sidewalks bordering the square were built in 1878, during the construction of the first designed plaza. The most significant impact activities are associated with the two remodeling of the 20th century. In particular, the remodeling of the 1920s when excavations were realized to open the footings for the ornamental fence and the new planter areas construction.

During the remodeling of the 1980s, new excavations were done for the construction of the fountain and the water and electrical pipes that the fountain needs for its operation. The greatest impact of this last remodeling is in the southern sector of the Plaza, where the construction of the stage was carried out to the south of the square, and the construction of commercial areas situated under this stage that have their façade facing Ramírez Street. Lares Historical Plaza may keep “in situ” some remains of constructive elements associated with the different stages of construction and remodeling occurring in this historic space. Beginning with the foundation of the town of Lares in 1878, the Plaza of Lares has undergone four significant changes over time. The historical record shows that 4 stages of construction are associated with Project APE (Table 1).






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Table 1. Periods of the Lares Traditional Urban Center Main Square.

PHOTOGRAPH OF THE PERIOD	DATE	DESCRIPTION	ADDED ELEMENTS
	©1827	<p>Demarcation of the space of Lares Public Square</p> <p>The Public Square consists of an embarkment "Terraplen".</p>	<p>Lanterns and benches. The square stretched to the steps of the church. The Public Plaza was used as a "glácil" to dry coffee.</p> <p>The square extends to the steps of the church. There was no Street A (between the church and the square).</p>
	1878	<p>The first Desing Public Square was constructed.</p> <p>Unknown designer.</p>	<p>The Plaza was paved with mortar and bricks. Planters were built at ground level inside the plaza.</p> <p>Sidewalks around the Plaza and stairs were established.</p> <p>Trees were planted.</p> <p>Lanterns with bases were established.</p> <p>New benches were placed.</p> <p>©1900 The monument of the fallen in the Revolution of 1868 was installed.</p>

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PHOTOGRAPH OF THE PERIOD	DATE	DESCRIPTION	ADDED ELEMENTS
	©1920	<p>The Third Design for the Public Square was constructed.</p> <p>Designed by the architect Francisco Levy.</p>	<p>A large Ornamental concrete fence with streetlamps was built.</p> <p>New pavement.</p> <p>The ornamental concrete fence demarcates four entrances to the interior space of the square.</p> <p>New benches were installed.</p> <p>The shape and location of the planters was changed.</p> <p>Trees were removed from the interior space of the Plaza.</p> <p>The Plaza and the Church were separated by the construction of Street A.</p>



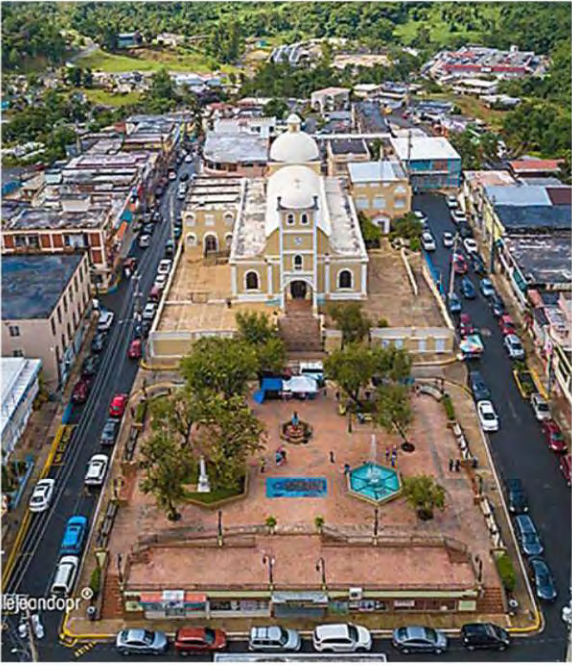
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PHOTOGRAPH OF THE PERIOD	DATE	DESCRIPTION	ADDED ELEMENTS
	©1980	The fourth and last remodeling project of the "Plaza de la Revolución". Designed by Engineer Gilberto Reyes.	Lares Plaza acquires its current appearance. The ornamental fences were demolished. Trees were replanted inside the square. The pavement was replaced, New benches were installed. A fountain was built. A ceramic mosaic was installed on the floor of the square. A bust of Ramón Emeterio Betances was placed in the center of the Plaza. A new space area was built to the South above the level of the square. Upstairs it is like a small stage area and below were several commercial spaces that faced Ramírez Street.

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Two archaeological cultural resources are identified in PR-SHPO files near the project APE; LR0200001 and LR0200002. Both resources are historical resources associated with the Spanish colonial period. San Jose Catholic Church LR0200001 is 0.0062 miles (10 meters from the Church on the North Side of the APE) and LR0200002, Hacienda Los Torres 0.4548 miles (732 meters) on the Northeast Side of the APE. Both resources are included in the NRHP.

Table 2: Archaeological cultural resources identified near the project APE (0.50 miles radio).

Identification Code	Cultural Association	Chronology	Distance to Project APE
LR0200001/ LR-87 (CAT)	San José Catholic Church	1880@ Spanish colonial period	0.0062 miles (10 meters)
LR0200002/LR-89 (CAT)	Hacienda Los Torres (Casona Los Torres)	1860 Spanish colonial period	0.4548 miles (732 meter)

1. The San Jose Church of Lares was originally built in 1881. The building was designed by Ramon Soler. Originally the walls were built of masonry and the two towers were built of wood (Figure 6).
2. Hacienda Los Torres - Intersection Highways #111 and #129; (28/SEPT/06); 06000896. Built-in 1846, Casona Los Torres is significant for its type, materials, craftsmanship, and particular assembly planning. The house, which was part of a coffee plantation, was built of native woods (grown within the property), many of which are now considered exotic and extremely hard to find on the island. One of the outstanding details of Casona Los Torres is that it still maintains a portion of its exterior walls that was constructed of *Roystonea borinquena* or Puerto Rican Royal Palm –a construction material rarely found or documented in other standing historic properties on the island. This building has withstood the effects of weather, climatic conditions, political riots, intense use by its occupants, the pressure of urban development, and the construction of a new road in the area –an action that has



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impacted part of the site, almost strangling the building, and has increased the level of pollution by means of the trucks and cars that transit the area. The property has been used for different purposes including a coffee processing and storage area, a classroom, and more recently, as a commercial space. All these uses occurred on



the lower level while providing housing facilities for its occupants on the upper one. With almost 160 years of history, Casona Los Torres is one of the oldest wooden buildings, as well as one of the last coffee plantation houses still standing in Puerto Rico. The property known as Casona Los Torres is a three-building complex that includes a coach house on its entrance and a two-story house. The house consists of two volumes that interconnect on the second story by means of a closed corridor and an open space on the first floor. A water cistern and a coffee-drying area known as a glacis are structures also included as part of the complex. A cyclone fence marks the property limits over a masonry foundation wall that surrounds its perimeter. Due to practical and financial reasons, the structures on the property were constructed in phases. Its owner and builder, José María Torres, carefully numbered all its structural components while preparing and storing the timber grown and cut on site.<sup>23</sup>

Table 3: Archaeological studies near project APE. (1/4 mile).

Project	Phase/Date	Archaeologist	Results	Distance to APE
1. ICP/CAT-LR Cooperativa de Ahorro y Crédito de Lares	Phase IA/ 2001	Jesús Figuerola Lugo	Negative	0.255384 miles (411 meters)
2. ICP/CAT-LR-01-05-01 Relocalización Comunidad el Peligro	Phase IA 2005	Adalberto Mauras Casillas	Negative	0.150993 miles (243 meters)

<sup>23</sup> Hacienda Los Torres, National Register Registration Form, 2006.

<https://oech.pr.gov/Propiedades%20en%20el%20Registro%20Nacional/Lares/Hacienda%20Los%20Torres.pdf>





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Figure 17: Topographic Quadrangle with cultural resources near project APE identified, (1/4-mile radio).





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In the search conducted in the archives of ICP/PAE and, in the archives of PR-SHPO, the existence of any archaeological study carried out in the “Plaza de la Revolución de Lares” was not identified. Although the Plaza de Lares has undergone several interventions that have transformed its original design The historical value of this plaza makes it an icon that represents the struggle of an entire Puerto Rican people for its political freedom.

The area of the urban center of Lares was inventoried through an inventory sponsored by PR-SHPO, entitled "Study of the Heritage Resources of the Municipality of Lares, Lares Urbano, Vol. II". This study was conducted by V. J. López and J.F. Paralitici, in 1991, so it is 32 years old.<sup>24</sup> The time elapsed since the inventory and the events of the several hurricanes that occurred during this period have caused changes in the historic center of Lares. However, at present, the traditional urban center of the municipality of Lares presents sufficient historical and architectural characteristics to be included in the NRHP as a Historic District.

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<sup>24</sup> PR-SHPO Archives, Estudio de los Recursos Patrimoniales del Municipio de Lares, Lares Urbano, Vol. II. V. J. López and J.F. Palitici, 1991.


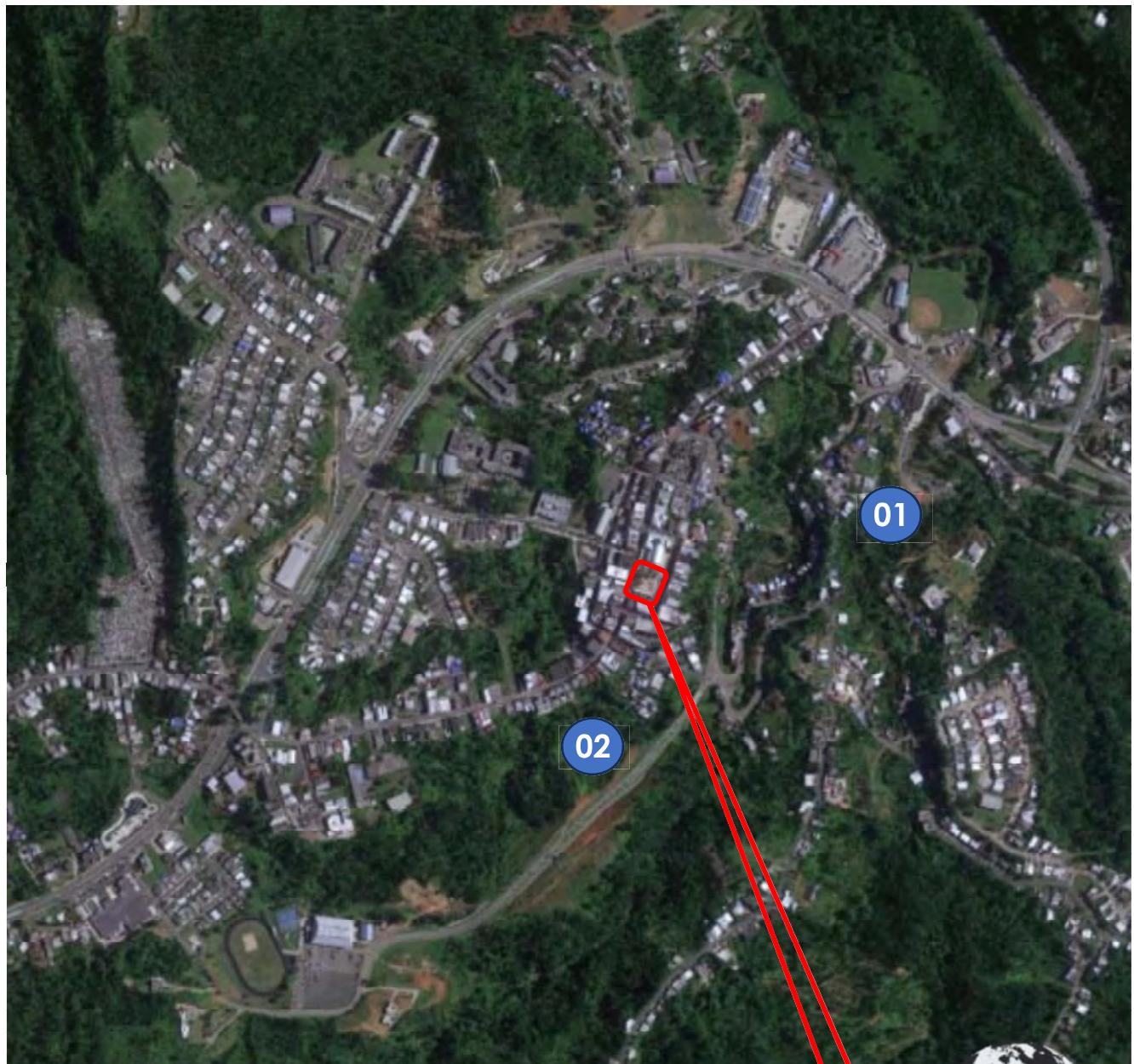

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Figure 18: Location of archaeological studies near the project APE.  
(1/4-mile radius).



01. Phase IA, 2001, Jesus Figueroa Lugo- Archeologist, Negative, (0.255384 miles from APE).  
 02. Phase 1A, 2005, Adalberto Maurás Casillas- Archeologist, (0.150993 miles from APE).

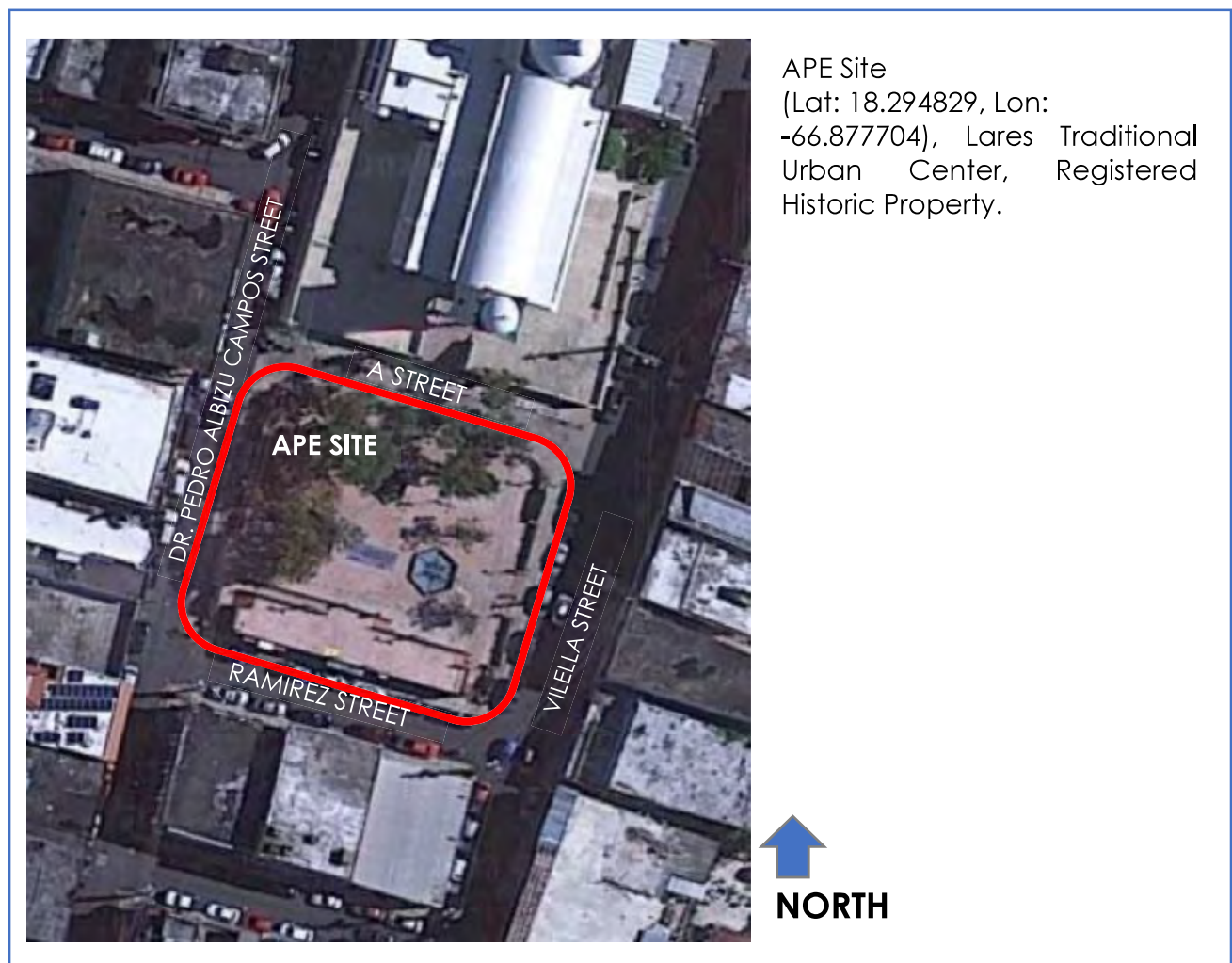


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### Identification of Historic Properties – Architecture

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 Lares Traditional Urban Center, eligible for listing in the National Register. The plaza is individually eligible for listing.

**Figure 19. Historic Properties and Sites located within the Visual/Indirect APE.**





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**Figure 20. Historic Properties and Sites located within the Visual/Indirect APE.**




San José Catholic Church, Registered Historic Property, 155.21 Linear Feet (0.029396 Miles) distance from APE. It is within the visual APE and contributes to the Lares Traditional Urban Center Historic District. Lat: 18.295237, Lon: -66.877549.



Town Hall, Modern Intervention, Non-Eligible. 161.22 Linear Feet (0.030534 Miles) is within the visual APE and contributes to the Lares Traditional Urban Center Historic District. Lat: 18.294962, Lon: -66.878141.



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**Figure 21. Historic Properties and Sites located within the Visual/Indirect APE.**



Creole Style residence property. Eligible (as per SHPO records), 186.03 Linear Feet (0.035233 Miles) distance from APE is within the visual APE and contributes to the Lares Traditional Urban Center Historic District. Lat: 18.294424, Lon: -66.877422.

Only the second level façade plane is original. Materials: Façade reinforced concrete interventions on first level. Wood construction and wrought iron handrail in projected balcony on second level.




Non-Eligible commercial property, 133.28 Linear Feet (0.025242 Miles) distance from APE. It is within the visual APE and contributes to the Lares Traditional Urban Center Historic District. Lat: 18.294491, Lon: -66.877663.

Materials: Façade reinforced concrete interventions.



Non-Eligible commercial property, 137.6 Linear Feet (0.026061 Miles) distance from APE. It is within the visual APE and contributes to the Lares Traditional Urban Center Historic District. Lat: 18.294554, Lon: -66.877912.

Materials: Façade reinforced concrete interventions.

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**Figure 22. Historic Properties and Sites contributing and individually eligible for the historic district.**



Federal- Colonial Style property, 1925. Eligible commercial property. 225.07 Linear Feet (0.048309 Miles) distance from APE. It is not within the visual APE and contributes to the Lares Traditional Urban Center Historic District. Lat: 18.0294241, Lon: -66.877725.

Materials: reinforced concrete.




Vernacular Creole Style Private Residential Style property. ©1930. Eligible residential property. 529.27 (0.100241 Miles) Linear Feet distance from APE. It is not within the visual APE and contributes to the Lares Traditional Urban Center Historic District. Lat: 18.293612, Lon: -66.878470.

Materials: Projected balcony with modular steel balustrade, reinforced concrete.



Vernacular Creole Style Residential Property. ©1930, Eligible, 568.89 Linear Feet (0.0107744 Miles) distance from APE. It is not within the visual APE and contributes to the Lares Traditional Urban Center Historic District. Lat: 18.293528, Lon: -66.878544.

Materials: Wood main façade projected balcony with wrought iron balustrade, reinforced concrete. (Ruins Conditions).

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**Figure 23. Historic Properties and Sites located within the Visual/Indirect APE.**



Vernacular Creole Residential Style property with North American Bungalow influences, ©1930, Eligible, 597.02 Linear Feet (0.113072 Miles) distance from APE. It is not within the visual APE and contributes to the Lares Traditional Urban Center Historic District. Lat: 18.293493, Lon: -66.878639.

Materials: Reinforced concrete only on projected balcony and wood construction structure, and metal roof.




Vernacular Creole Residential Style Property. ©1930. Eligible, 632.29 (0.119752 Miles) Linear Feet distance from APE. It is not within the visual APE and contributes to the Lares Traditional Urban Center Historic District. Lat: 18.293435, Lon: -66.878729.

Materials: Wood main façade projected balcony, reinforced concrete.



Private Housing Complex, International Rationalistic Modern Style Property. ©1970, Potentially Eligible, 721.78 Linear Feet (0.136701 Miles) distance from APE. It is not within the visual APE and contributes to the Lares Traditional Urban Center Historic District. Lat: 18.293270, Lon: -66.878931.

Materials: Reinforced Concrete.

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### **Rehabilitation of Plaza de la Revolución de Lares, Puerto Rico (Traditional Urban Center), Project Comments**

As noted, in the development of the Lares Traditional Main Square © 1873, it is an individually eligible property with an important succession of events and trajectory behind, especially to Puerto Rico history as was moving forward in becoming a nation. Also, it is documented that this square has been the subject of significant changes throughout former interventions.

On the other hand, the project demonstrates a recognized effort in trying to rehabilitate an existing historical property on behalf of the Municipality and the designers. The use for the main traditional square remains the same.

In our opinion, the Plaza de la Revolución de Lares has a very high historical significance for the people of Puerto Rico. Its value rests on the events of the Grito de Lares that culminated with the declaration of the Republic of Puerto Rico in this Plaza in 1868. The Plaza de Lares is a Puerto Rican national symbol of our struggle to claim our right to exist as a free and sovereign country in correspondence with the other nations of the free world. This Historic Plaza de Lares qualifies to be included in the NRHP in Washington D.C. under Criteria A, (That are associated with events that have made a significant contribution to the broad patterns of our history).



<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>INVESTMENT PORTFOLIO FOR GROWTH PROGRAM (IPG)</b> <b>Section 106 NHPA Effect Determination</b>	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
<b>Subrecipient:</b> Municipality of Lares, Puerto Rico	
<b>Program ID Number:</b> PR-CRP-001088	
<b>Project Name:</b> Plaza de la Revolución (Traditional Main Square) Rehabilitation	


## Determination

The following historic properties have been identified within the APE:

- Direct Effect:
  - The project will not have an adverse direct effect on the Historic Traditional Urban Center Main Square and the historic properties within the APE.
  - The Lares Historic Traditional Center Square qualifies to be eligible to the National Register.
- Indirect Effect:
  - The project will not have an adverse visual/indirect effect.

We recommend that any excavation in the Traditional Urban Center Main Square of Lares and its periphery that exceeds 6 inches in depth be conducted under archaeological monitoring. Since commonly used urban pavements are 1/2 to 2 inches thick, the bedding course that glues the pavement is at least 1 inch thick, and the material added below sub-base aggregate, we understand that excavations made below 6 inches deep can reach historical materials "in situ" located below this depth.

As a protective measure to protect the colonial resource that could be found in this historical context that makes up the historic "Plaza de la Revolución de Lares", we understand it is reasonable that excavations that are conducted a depth greater than 6 inches be protected by archaeological monitoring.

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>INVESTMENT PORTFOLIO FOR GROWTH PROGRAM (IPG)</b> <b>Section 106 NHPA Effect Determination</b>	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
<b>Subrecipient:</b> Municipality of Lares, Puerto Rico	
<b>Program ID Number:</b> PR-CRP-001088	
<b>Project Name:</b> Plaza de la Revolución (Traditional Main Square) Rehabilitation	

### 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

X No Adverse Effect

**Condition:** Archaeological monitoring should be conducted during ground disturbing activities below 6 inches in depth. A monitoring plan will be prepared and submitted for approval.

☐ Adverse Effect

Proposed Resolution (if applicable)

### This Section is to be Completed by SHPO Staff Only

The Puerto Rico State Historic Preservation Office has reviewed the above information and:  <input type="checkbox"/> <b>Concurs</b> with the information provided. <input type="checkbox"/> <b>Does not concur</b> with the information provided.	
<b>Comments:</b>   	
Carlos Rubio-Cancela State Historic Preservation Officer	Date:

**PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM  
INVESTMENT PORTFOLIO FOR GROWTH PROGRAM (IPG)  
Section 106 NHPA Effect Determination**



**Subrecipient:** Municipality of Lares, Puerto Rico

**Program ID Number:** PR-CRP-001088

**Project Name:** Plaza de la Revolución (Traditional Main Square) Rehabilitation

**Project (Parcel) Location – Area of Potential Effect Map (Aerial)**



SOURCE: GOGGLE EARTH; 2023





**PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM  
INVESTMENT PORTFOLIO FOR GROWTH PROGRAM (IPG)  
Section 106 NHPA Effect Determination**



**Subrecipient:** Municipality of Lares, Puerto Rico

**Program ID Number:** PR-CRP-001088

**Project Name:** Plaza de la Revolución (Traditional Main Square) Rehabilitation

**Project (Parcel) Location – (Visual Effect Aerial Map)**



- A. APE SITE. TRADITIONAL URBAN CENTER.
- B. VISUAL APE AREA.



**NORTH**

SOURCE:  
GOOGLE EARTH; 2023



**PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM**  
**INVESTMENT PORTFOLIO FOR GROWTH PROGRAM (IPG)**  
**Section 106 NHPA Effect Determination**

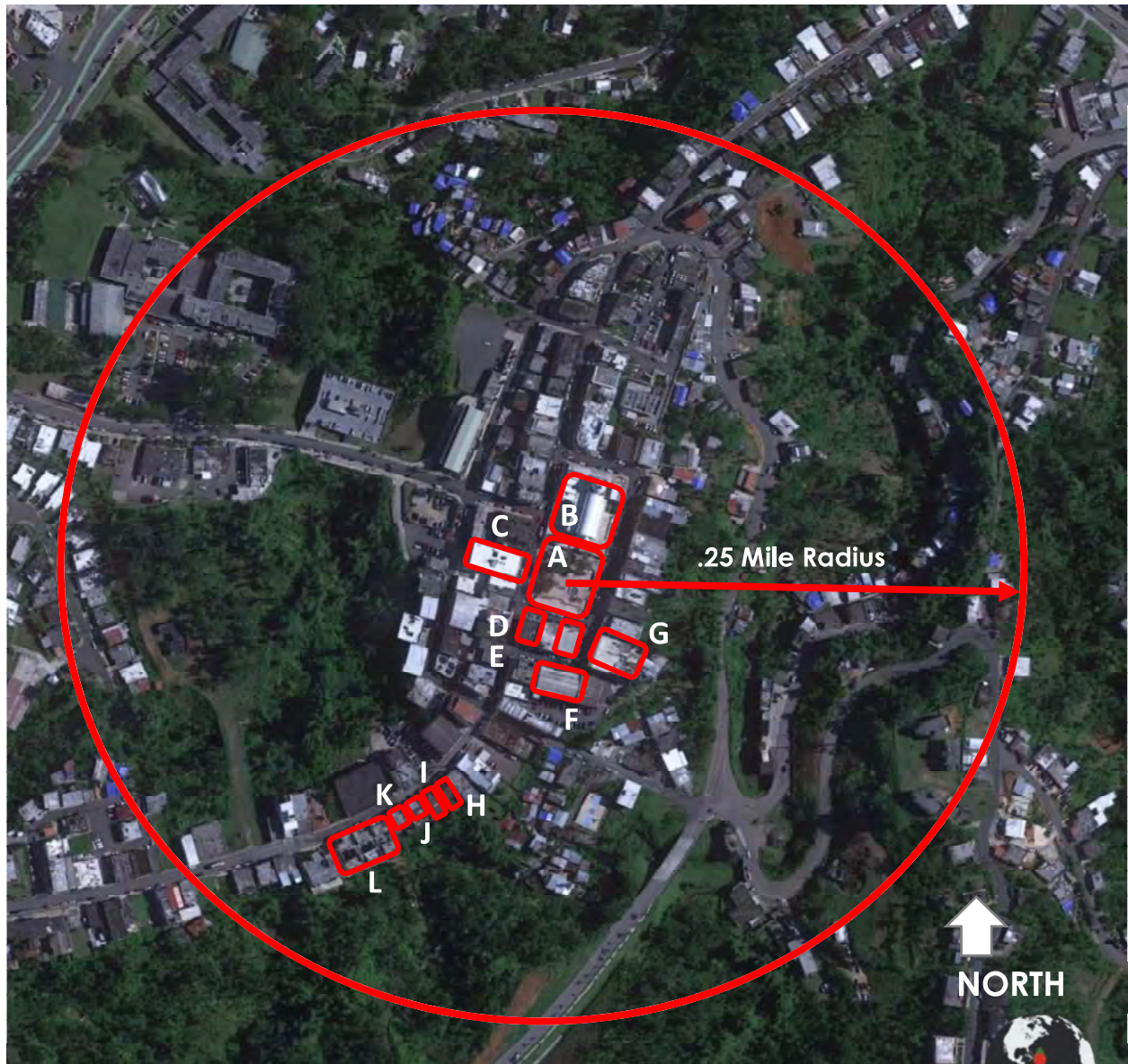


**Subrecipient:** Municipality of Lares, Puerto Rico

**Program ID Number:** PR-CRP-001088

**Project Name:** Plaza de la Revolución (Traditional Main Square) Rehabilitation

**Project (Parcel) Location – Identified Historic Properties, 1/4 Mile Research Radius Map**



**LEGEND OF PROPERTIES**

- |                                                                                     |                                                                            |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| A. APE, TRADITIONAL URBAN CENTER, REGISTERED SITE.                                  | H. PRIVATE PROPERTY, RESIDENCE CREOLE STYLE, ELIGIBLE, PHOTO #24.          |
| B. CATHOLIC CHURCH, REGISTERED PROPERTY, PHOTO #01.                                 | I. PRIVATE PROPERTY, RESIDENCE CREOLE STYLE, ELIGIBLE, PHOTO #25.          |
| C. TOWN HALL, NON-HISTORIC, FIG. #7 AND PHOTO #04.                                  | J. PRIVATE PROPERTY, RESIDENCE CREOLE STYLE, ELIGIBLE, PHOTO #26.          |
| D. PRIVATE PROPERTY, STORAGE CREOLE STYLE, NON-ELIGIBLE, PHOTO #15.                 | K. PRIVATE PROPERTY, RESIDENCE CREOLE STYLE, ELIGIBLE, PHOTO #27.          |
| E. PRIVATE PROPERTY, STORAGE CREOLE STYLE NON-ELIGIBLE, PHOTO #13.                  | L. PRIVATE HOUSING COMPLEX, MODERN STYLE, POTENTIALLY ELIGIBLE, PHOTO #27. |
| F. PLAZA DEL MERCADO, FEDERAL STYLE -1925, ELIGIBLE, PHOTO #25.                     |                                                                            |
| G. PRIVATE PROPERTY, RESIDENCE CREOLE STYLE, NON-ELIGIBLE, (INTERVENED), PHOTO #22. |                                                                            |



**PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM  
INVESTMENT PORTFOLIO FOR GROWTH PROGRAM (IPG)  
Section 106 NHPA Effect Determination**



**Subrecipient:** Municipality of Lares, Puerto Rico

**Program ID Number:** PR-CRP-001088

**Project Name:** Plaza de la Revolución (Traditional Main Square) Rehabilitation

**Project (Parcel) Location of Recorded Historic Properties – (Topographic Map)**





**PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM  
INVESTMENT PORTFOLIO FOR GROWTH PROGRAM (IPG)  
Section 106 NHPA Effect Determination**

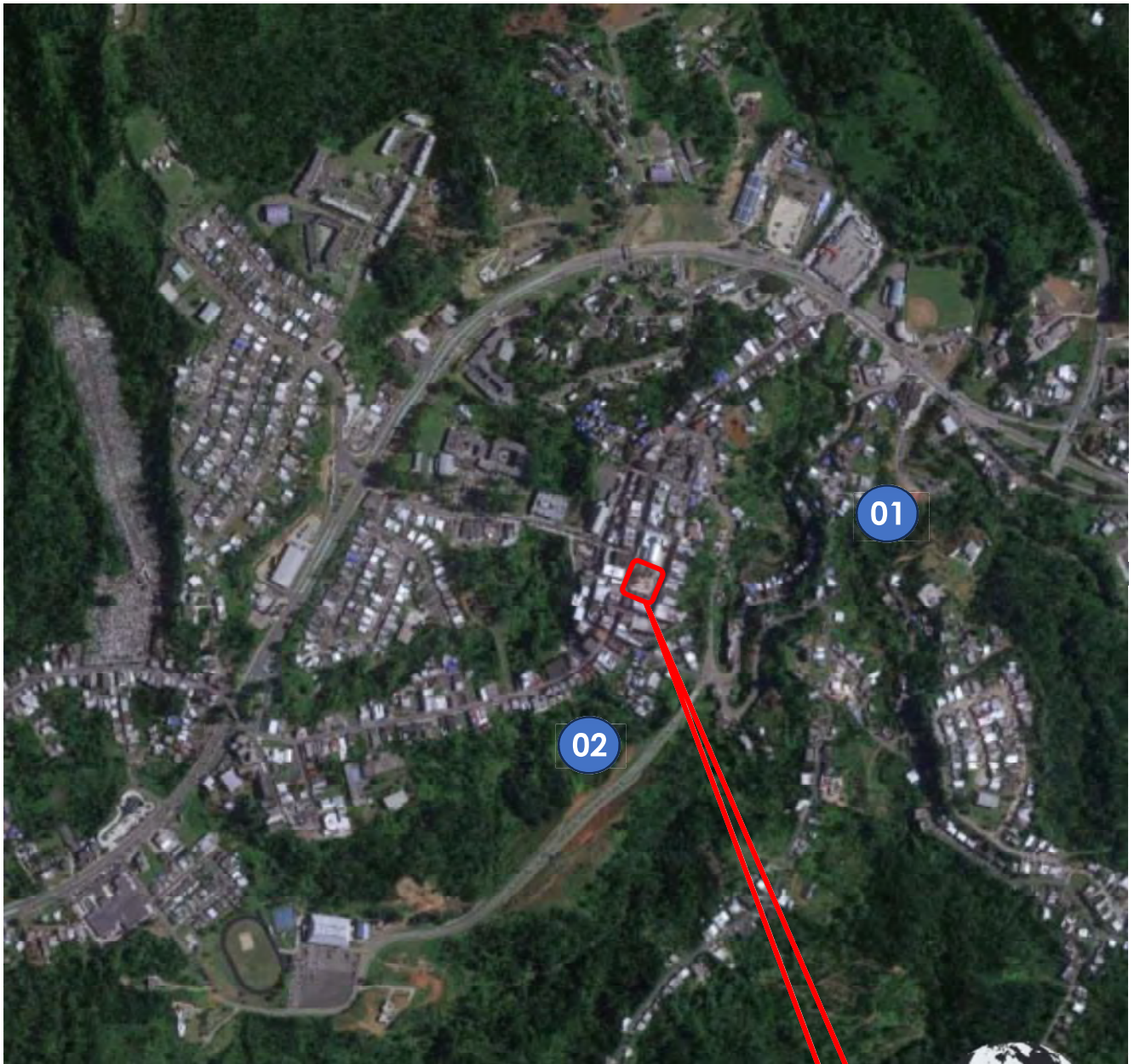


**Subrecipient:** Municipality of Lares, Puerto Rico

**Program ID Number:** PR-CRP-001088

**Project Name:** Plaza de la Revolución (Traditional Main Square) Rehabilitation

**Project (Parcel) Location of Previous Investigations (Aerial Photos)**



- 01. Phase 1A, 2001, Jesus Figueroa Lugo- Archeologist, Negative, (0.255384 miles from APE).
- 02. Phase 1A, 2005, Adalberto Maurás Casillas- Archeologist, (0.150993 miles from APE).

**APE**

**NORTH**

SOURCE: CAT/PAE

**PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM  
INVESTMENT PORTFOLIO FOR GROWTH PROGRAM (IPG)  
Section 106 NHPA Effect Determination**



**Subrecipient:** Municipality of Lares, Puerto Rico

**Program ID Number:** PR-CRP-001088

**Project Name:** Plaza de la Revolución (Traditional Main Square) Rehabilitation

**Photograph Key**



**LEGEND**

- A. CATHOLIC CHURCH, REGISTERED PROPERTY, (PHOTO #01).
- B. TOWN HALL, MODERNE INTERVENTION, NON-ELIGIBLE, CONTRIBUTING VISUAL APE. (PHOTO #04).
- C. APE SITE.
- D. PRIVATE PROPERTY, STORAGE CREOLE STYLE, NON-ELIGIBLE. CONTRIBUTING VISUAL APE. (PHOTO #15).
- E. PRIVATE PROPERTY, STORAGE CREOLE STYLE NON-ELIGIBLE, CONTRIBUTING VISUAL APE. (PHOTO #13).
- F. PRIVATE PROPERTY, RESIDENCE CREOLE STYLE, NON-ELIGIBLE, CONTRIBUTING VISUAL APE. (PHOTO #10).



**NORTH**

SOURCE: GOGGLE EARTH





<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>INVESTMENT PORTFOLIO FOR GROWTH PROGRAM (IPG)</b> <b>Section 106 NHPA Effect Determination</b>	
<b>Subrecipient:</b> Municipality of Lares, Puerto Rico	
<b>Program ID Number:</b> PR-CRP-001088	
<b>Project Name:</b> Plaza de la Revolución (Traditional Main Square) Rehabilitation	





Photo: #01	Description: North view from Traditional Center Square (APE), San José Catholic Church, Registered Property.
Date: 12/07/23	



Photo: #02	Description: East view from APE Site, (Traditional Center Square) towards Vilella Street.
Date: 12/07/23	

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>INVESTMENT PORTFOLIO FOR GROWTH PROGRAM (IPG)</b> <b>Section 106 NHPA Effect Determination</b>	
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<b>Program ID Number:</b> PR-CRP-001088	
<b>Project Name:</b> Plaza de la Revolución (Traditional Main Square) Rehabilitation	

	
Photo: #03	Description: South view of the APE Site (Traditional Center Square).
Date: 12/07/23	
	
Photo: #04	Description: West view of the APE Site (Traditional Center Square), towards the Town Hall, Contributing Visual APE.
Date: 12/07/23	


<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>INVESTMENT PORTFOLIO FOR GROWTH PROGRAM (IPG)</b> <b>Section 106 NHPA Effect Determination</b>	
<b>Subrecipient:</b> Municipality of Lares, Puerto Rico	
<b>Program ID Number:</b> PR-CRP-001088	
<b>Project Name:</b> Plaza de la Revolución (Traditional Main Square) Rehabilitation	



Photo: #05	Description: East view, Gandara Street.
Date: 12/07/23	

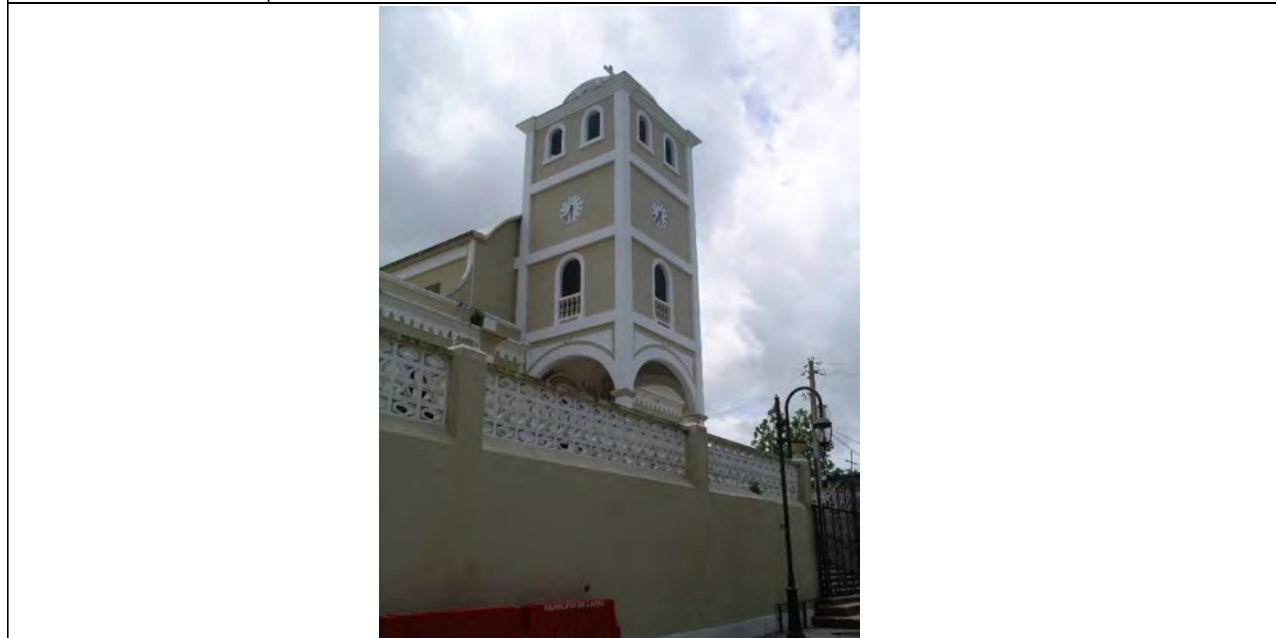


Photo: #06	Description: North-East View, Gandara Street, San José Catholic Church.
Date: 12/07/23	




<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>INVESTMENT PORTFOLIO FOR GROWTH PROGRAM (IPG)</b> <b>Section 106 NHPA Effect Determination</b>	
<b>Subrecipient:</b> Municipality of Lares, Puerto Rico	
<b>Program ID Number:</b> PR-CRP-001088	
<b>Project Name:</b> Plaza de la Revolución (Traditional Main Square) Rehabilitation	



Photo: #07

Description: South view, Vilella Street.

Date: 12/07/23



Photo: #08

Description: South view, Vilella Street, East sidewalk of Traditional Center Square.

Date: 12/07/23



**PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM**  
**INVESTMENT PORTFOLIO FOR GROWTH PROGRAM (IPG)**  
**Section 106 NHPA Effect Determination**



**Subrecipient:** Municipality of Lares, Puerto Rico

**Program ID Number:** PR-CRP-001088

**Project Name:** Plaza de la Revolución (Traditional Main Square) Rehabilitation



Photo: #09

Description: South view, Vilella Street.

Date: 12/07/23



Photo: #10

Description: South view, Vilella Street, and corner of Ramirez Street.

Date: 12/07/23






<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>INVESTMENT PORTFOLIO FOR GROWTH PROGRAM (IPG)</b> <b>Section 106 NHPA Effect Determination</b>	
<b>Subrecipient:</b> Municipality of Lares, Puerto Rico	
<b>Program ID Number:</b> PR-CRP-001088	
<b>Project Name:</b> Plaza de la Revolución (Traditional Main Square) Rehabilitation	



	
Photo: #11	Description: North view of Traditional Center Square (APE) at the corner of Vilella and Ramirez Streets.
Date: 12/07/23	
	
Photo: #12	Description: West view of Ramirez Street.
Date: 12/07/23	

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>INVESTMENT PORTFOLIO FOR GROWTH PROGRAM (IPG)</b> <b>Section 106 NHPA Effect Determination</b>	
<b>Subrecipient:</b> Municipality of Lares, Puerto Rico	
<b>Program ID Number:</b> PR-CRP-001088	
<b>Project Name:</b> Plaza de la Revolución (Traditional Main Square) Rehabilitation	

	
Photo: #13	Description: South view of Ramirez Street. (Non-Eligible building Noted E in 1/4 Mile Radius Map, Contributing Visual APE).
Date: 12/07/23	
	
Photo: #14	Description: North view of Traditional Center Square (APE) at Ramirez Street.
Date: 12/07/23	



<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>INVESTMENT PORTFOLIO FOR GROWTH PROGRAM (IPG)</b> <b>Section 106 NHPA Effect Determination</b>	
<b>Subrecipient:</b> Municipality of Lares, Puerto Rico	
<b>Program ID Number:</b> PR-CRP-001088	
<b>Project Name:</b> Plaza de la Revolución (Traditional Main Square) Rehabilitation	

		
Photo: #15	Description: Left- West view of Ramirez Street, Non-Eligible building Noted D in 1/4 Mile Radius Map, Contributing Visual APE.	
Date: 12/07/23		
		
Photo: #16	Description: North- East view of Traditional Center Square (APE) at the corner of Pedro Albizu Campos and Ramirez Streets.	
Date: 12/07/23		







<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>INVESTMENT PORTFOLIO FOR GROWTH PROGRAM (IPG)</b> <b>Section 106 NHPA Effect Determination</b>	
<b>Subrecipient:</b> Municipality of Lares, Puerto Rico	
<b>Program ID Number:</b> PR-CRP-001088	
<b>Project Name:</b> Plaza de la Revolución (Traditional Main Square) Rehabilitation	

	
Photo: #17	Description: North view of Pedro Albizu Campos Street.
Date: 12/07/23	
	
Photo: #18	Description: East view of Traditional Center Square (APE) at Pedro Albizu Campos and Ramirez Street. (Grito de Lares Monument)
Date: 12/07/23	

<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>INVESTMENT PORTFOLIO FOR GROWTH PROGRAM (IPG)</b> <b>Section 106 NHPA Effect Determination</b>	
<b>Subrecipient:</b> Municipality of Lares, Puerto Rico	
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<b>Project Name:</b> Plaza de la Revolución (Traditional Main Square) Rehabilitation	

	
Photo: #19	Description: North view of corner of Pedro Albizu Campos and Gandara Streets.
Date: 12/07/23	
	
Photo: #20	Description: North- East view of corner of Pedro Albizu Campos and Gandara Streets. San José Catholic Church, (Registered Property).
Date: 12/07/23	


<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>INVESTMENT PORTFOLIO FOR GROWTH PROGRAM (IPG)</b> <b>Section 106 NHPA Effect Determination</b>	
<b>Subrecipient:</b> Municipality of Lares, Puerto Rico	
<b>Program ID Number:</b> PR-CRP-001088	
<b>Project Name:</b> Plaza de la Revolución (Traditional Main Square) Rehabilitation	

	
Photo: #21	Description: South-West view of partial Traditional Center Square (APE).
Date: 12/07/23	
	
Photo: #22	Description: East- South view, end of Vilella Street. Creole Style residence property. Eligible, (as per SHPO records). Only the second level façade plane and balcony are original.
Date: 12/07/23	



**PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM**  
**INVESTMENT PORTFOLIO FOR GROWTH PROGRAM (IPG)**  
**Section 106 NHPA Effect Determination**



**Subrecipient:** Municipality of Lares, Puerto Rico

**Program ID Number:** PR-CRP-001088

**Project Name:** Plaza de la Revolución (Traditional Main Square) Rehabilitation



Photo: #23

Description: South view of Plaza del Mercado Federal- Colonial Style 1925 property. Noted G, in 1/4 Mile Radius Map, Eligible.

Date: 12/07/23



Photo: #24

Description: South view of Creole Residential Style property. Noted H, in 1/4 Mile Radius Map, Eligible.

Date: 12/07/23




<b>PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM</b> <b>INVESTMENT PORTFOLIO FOR GROWTH PROGRAM (IPG)</b> <b>Section 106 NHPA Effect Determination</b>	
<b>Subrecipient:</b> Municipality of Lares, Puerto Rico	
<b>Program ID Number:</b> PR-CRP-001088	
<b>Project Name:</b> Plaza de la Revolución (Traditional Main Square) Rehabilitation	

	
Photo: #25	Description: South view of Creole Residential Style property. Noted I, in 1/4 Mile Radius Map, Eligible.
Date: 12/07/23	
	
Photo: #26	Description: South view of Creole Residential Style property. Noted J, in 1/4 Mile Radius Map, Eligible.
Date: 12/07/23	

**PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM**  
**INVESTMENT PORTFOLIO FOR GROWTH PROGRAM (IPG)**  
**Section 106 NHPA Effect Determination**



**Subrecipient:** Municipality of Lares, Puerto Rico

**Program ID Number:** PR-CRP-001088

**Project Name:** Plaza de la Revolución (Traditional Main Square) Rehabilitation



Photo: #27

Description: South view of Creole Residential Style property. Noted K, in 1/4 Mile Radius Map, Eligible.

Date: 12/07/23



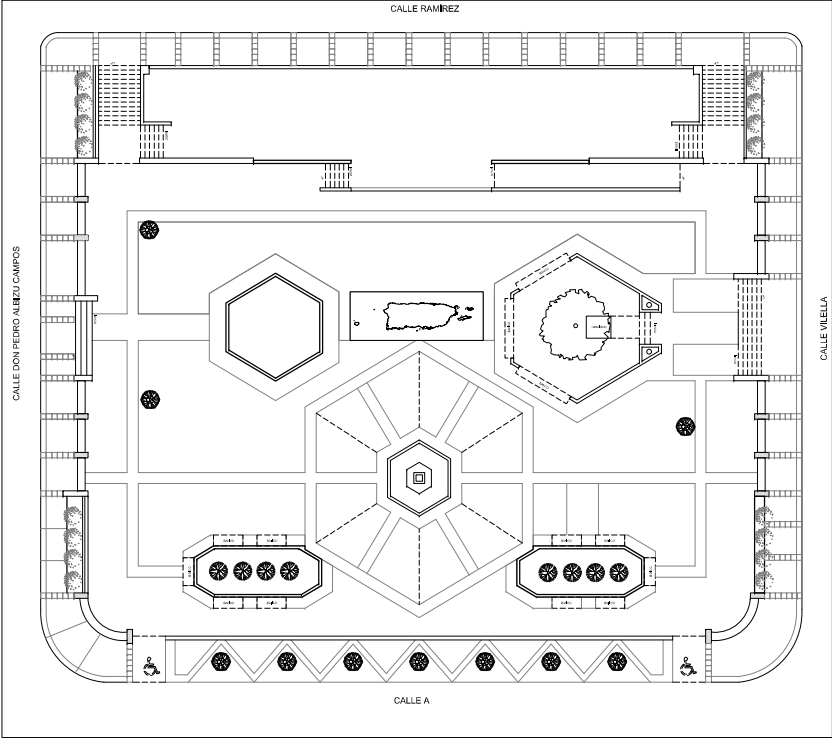
Photo: #28

Description: South-East view of Private Housing Complex, Modern Style property. Noted L, in 1/4 Mile Radius Map, Potentially Eligible.

Date: 12/07/23

# REVITALIZATION PROJECT

PLAZA DE LA REVOLUCION , PR-CRP-001088  
LARES, PUERTO RICO, 00669



## SHEET

T-1 TITLE PAGE

## EXISTING CONDITIONS

- 1\_ST-1 SURVEY AND TOPOGRAPHICAL WORK
- 2\_EX-1 EXISTING FLOOR LAYOUT – PLAZA PLAN VIEW
- 3\_EX-2 EXISTING CONDITIONS PLAZA ELEVATIONS

## DEMOLITION

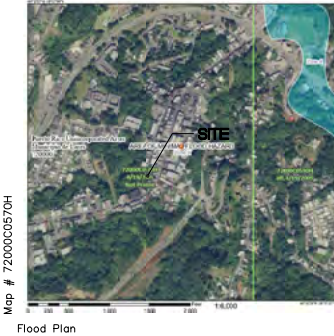
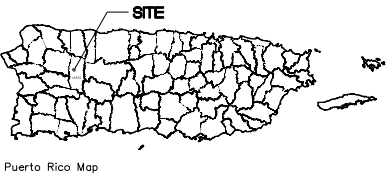
- 4\_DP-1 ARCHITECTURAL PLAN VIEW – PROPOSED DEMOLITION PLAN
- 5\_DP-2 DEMOLITION GENERAL NOTES

## ARCHITECTURAL PLAN

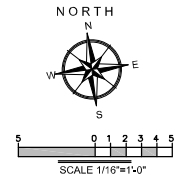
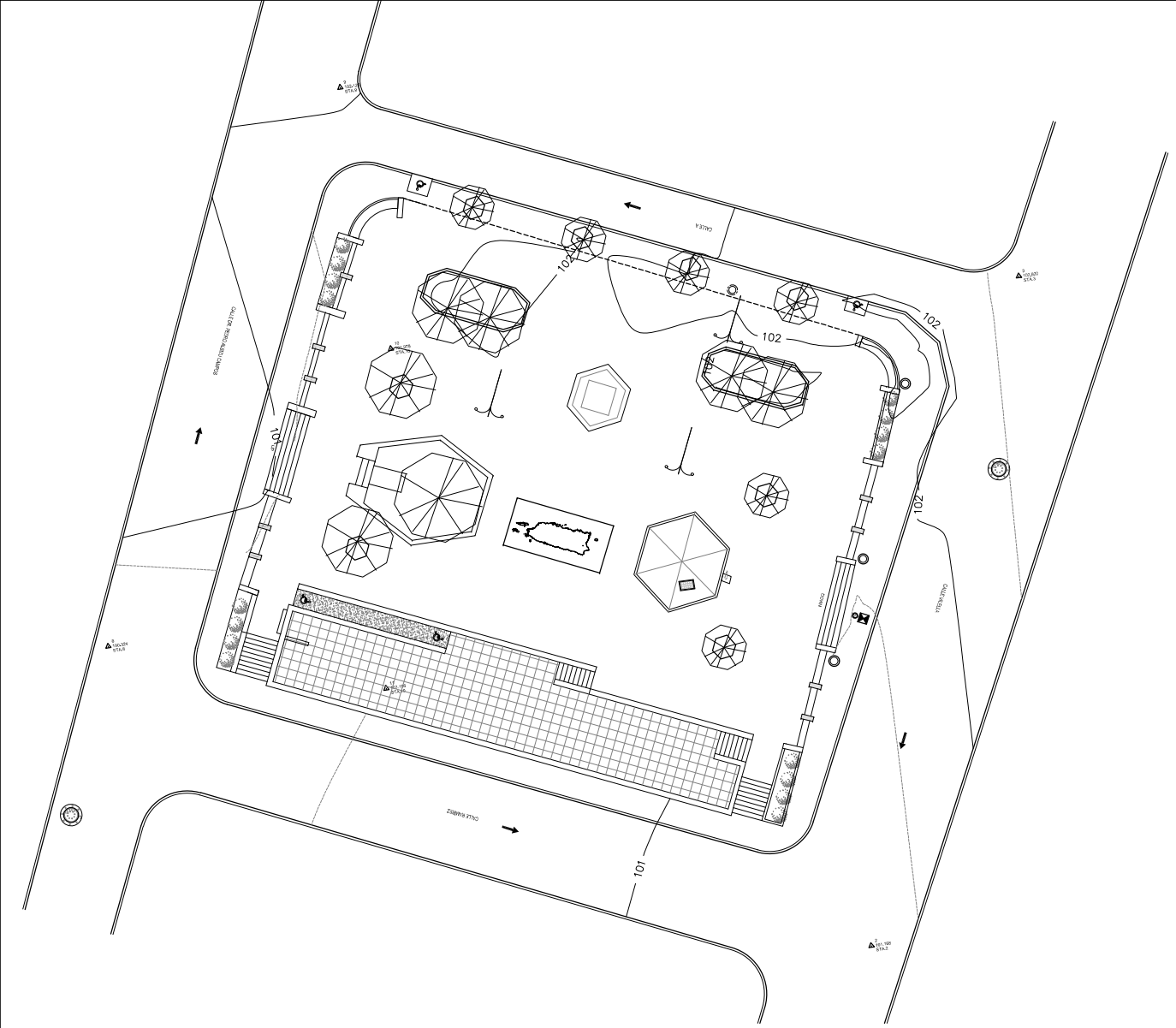
- 6\_A-1 ARCHITECTURAL PLAN VIEW – PROPOSED PLAZA LAYOUT
- 7\_A-2 ARCHITECTURAL ELEVATION VIEWS
- 8\_A-3 ARCHITECTURAL FOUNTAIN DETAIL

## ELECTRICAL PLAN

- 9\_E-1 ELECTRICAL LEGEND AND NOTES
- 10\_E-2 ELECTRICAL PLAN VIEW – POWER CIRCUITS
- 11\_E-3 ELECTRICAL LIGHTING DISTRIBUTION
- 12\_E-4 ELECTRICAL POWER DISTRIBUTION
- 13\_E-5 ELECTRICAL SCHEDULES AND DETAILS



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LEGENDA:

- |  |                                 |  |                                  |
|--|---------------------------------|--|----------------------------------|
|  | CONCRETE STRUCTURE              |  | TREE                             |
|  | CONCRETE WALL & FENCE           |  | WHEELCHAIR RAMP                  |
|  | WATER BOX                       |  | ELECTRICAL POLE WITH TRANSFORMER |
|  | KILOMETER                       |  | LUMINARY POLE                    |
|  | STORM SEWER CURB INLET          |  | TRAFFIC SIGN                     |
|  | SANITARY OR STORM SEWER MANHOLE |  | TRAFFIC DIRECTION                |
|  | WATER VALVE                     |  | CHAIN-LINK FENCE                 |
|  | CATCH BASIN                     |  | ELECTRICAL LINE                  |
|  | PALM                            |  | GUARD RAIL                       |
|  | BOUNDARY POINT                  |  | BOUNDARY LINE                    |

NOTES:

1. ALL DISTANCE SHOWN IN THIS PLAN ARE IN THE METRIC SYSTEM UNLESS OTHERWISE INDICATED.
2. HORIZONTAL AND VERTICAL CONTROL STATIONS WERE ESTABLISHED IN STATE PLANE NAD 83 COORDINATES SYSTEM USING A GPS (GLOBAL POSITIONING SYSTEM) MODEL TRIMBLE R6000S/6800.
3. VERTICAL DATUM IS CONSIDERED MEAN SEA LEVEL.
4. THE FIELD WORK FOR COLLECTING INFORMATION TOPOGRAPHIC DATA WAS PERFORMED IN THE MONTH OF FEBRUARY 2023.
5. THE EQUIPMENT USED TO OBTAIN FIELD DATA WAS:  
A- TOTAL STATION - MODEL NIKON DTM 520  
B- DATA COLLECTOR - MODEL  
C- STEEL TAPE  
D- PRISM ROD AND COMPASS

REVITALIZATION PROJECT - PLAZA DE LA REVOLUCION  
EXISTING CONDITIONS - SURVEY AND TOPOGRAPHICAL WORK  
SCALE: 1/8" = 1'-0"

**APPLIED ENGINEERING GROUP**  
MANAGERS, ARCHITECTS, ENGINEERS AND PLANNERS  
1000 Montross Avenue, Suite 800, Baltimore, MD 21201  
Phone: 410-528-1100 / Fax: 410-528-1101 / Email: info@ae-group.com

CONSULTANT

DATE	REVISION	BY	CHKD	APP'D
06/01/2023	1	J. J. J.	J. J. J.	J. J. J.
06/01/2023	2	J. J. J.	J. J. J.	J. J. J.
06/01/2023	3	J. J. J.	J. J. J.	J. J. J.
06/01/2023	4	J. J. J.	J. J. J.	J. J. J.
06/01/2023	5	J. J. J.	J. J. J.	J. J. J.
06/01/2023	6	J. J. J.	J. J. J.	J. J. J.
06/01/2023	7	J. J. J.	J. J. J.	J. J. J.

EXISTING CONDITIONS  
SURVEY & TOPOGRAPHICAL  
WORK

REVITALIZATION PROJECT  
PLAZA DE LA REVOLUCION  
PR-CRP-001088  
MUNICIPALITY OF LARES, PR 00669

AS-BUILT PLAN  
EXST. COND.

DATE	BY	CHKD	APP'D
JUNE 2023	J. J. J.	J. J. J.	J. J. J.

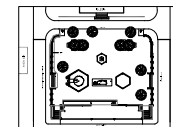
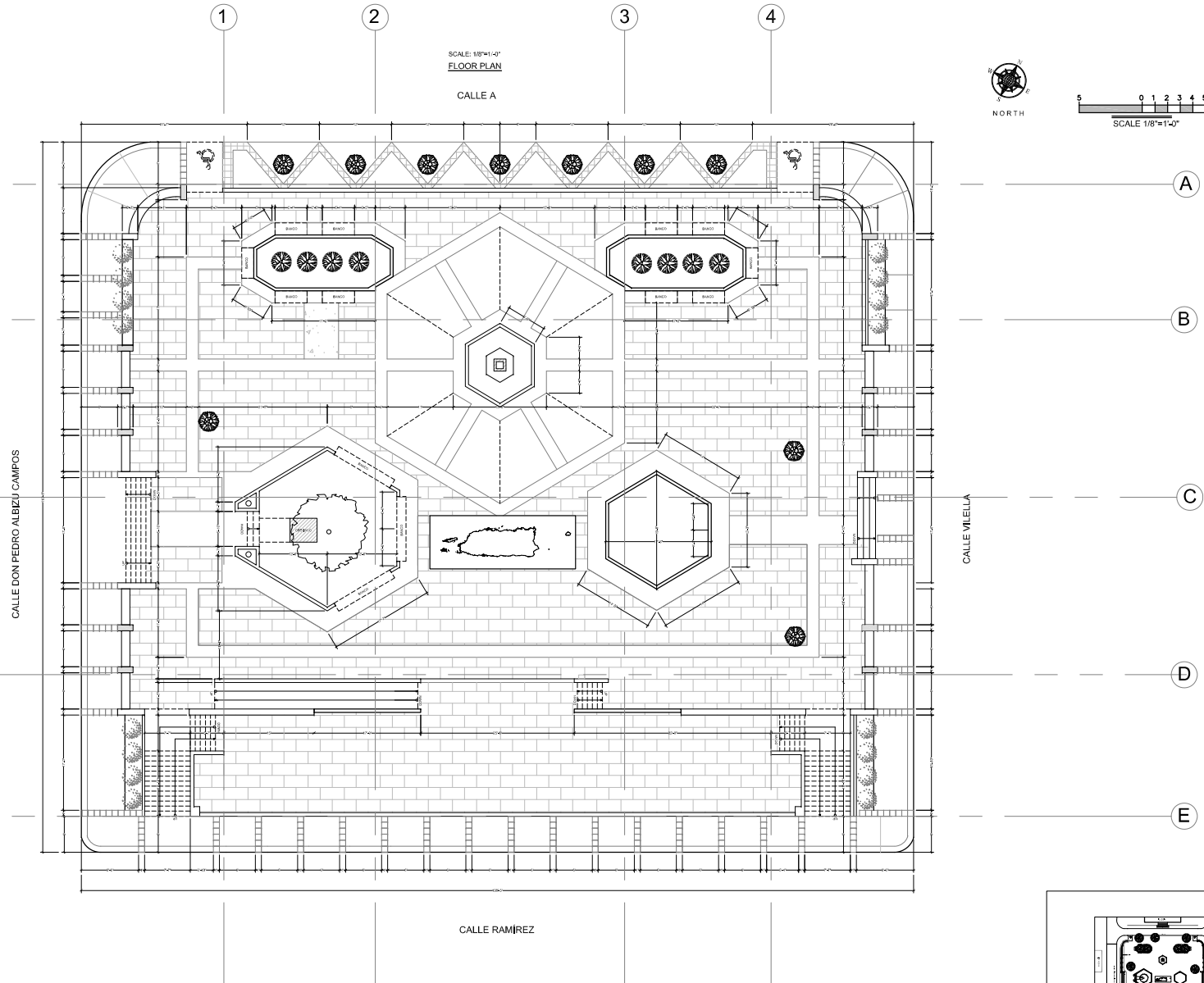
ST-1



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REVITALIZATION PROJECT - PLAZA DE LA REVOLUCION  
EXISTING CONDITIONS - SITE PLAN VIEW

SCALE: 1/8" = 1'-0"



Key Plan

**APPLIED ENGINEERING GROUP**  
MANAGERS, ARCHITECTS, ENGINEERS AND PLANNERS  
1033 Montecarlo Avenue #404 Rm. 404, San Juan, PR 00924  
P.O. Box 301298 San Juan, Puerto Rico 00926-1298  
OFFICE: (787) 740-1111 FAX: (787) 740-1112 [info@ae.com](mailto:info@ae.com)

REVISION	DATE
1	1/15/2023
2	1/15/2023
3	1/15/2023
4	1/15/2023
5	1/15/2023
6	1/15/2023
7	1/15/2023

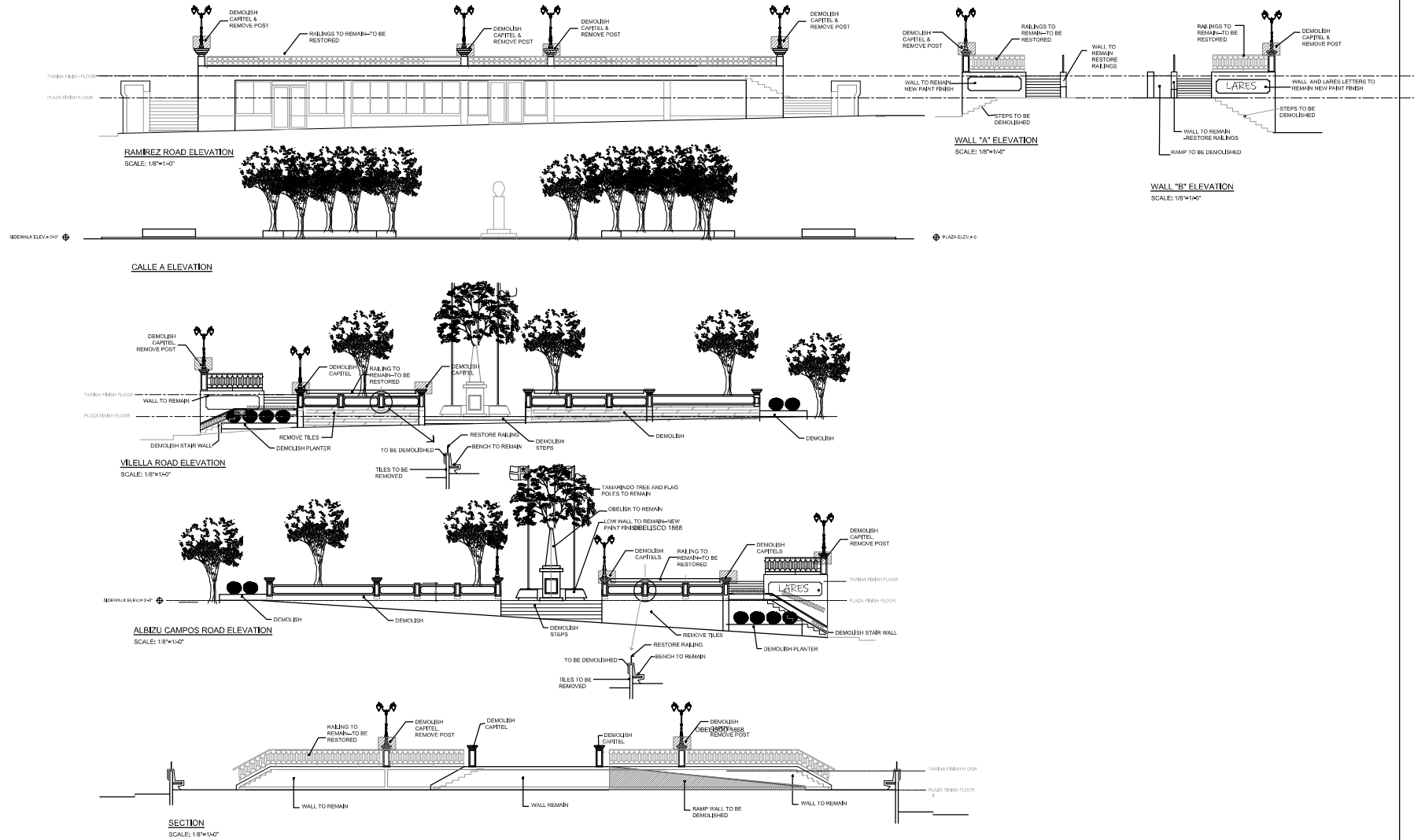
**EXISTING CONDITIONS**  
**FLOOR LAYOUT**  
**PLAZA PLAN VIEW**

**REVITALIZATION PROJECT**  
**PLAZA DE LA REVOLUCION**  
**PR-CRP-001088**  
MUNICIPALITY OF LARES, PR 00669

AS-BUILT PLAN  
EXST. COND.

DATE  
JUNE 2023  
DRAWN BY  
EX-1

THIS DRAWING REFLECTS THE DESIGN REPORT, AND THE DESIGN ENGINEERING GROUP, FOR THE PROJECT AND IS ISSUED AND REVIEWED ONLY AS AN INSTRUMENT OF THE SERVICES BEING RENDERED. IT REMAINS THE PROPERTY OF THIS OFFICE, AND SHALL NOT BE COPIED, REPRODUCED OR EXHIBITED UNDER PENALTY OF PERJURY IN ANY MANNER.



PROYECTO REVITALIZACION - PLAZA DE LA REVOLUCION  
EXISTING CONDITIONS - PLAZA ELEVATIONS

SCALE: 1/8" = 1'-0"

CONSULTANT

DATE	REVISION	DESCRIPTION
1	DATE: 06/01/2023	ISSUE FOR PERMITTING
2	DATE: 06/01/2023	ISSUE FOR PERMITTING
3	DATE: 06/01/2023	ISSUE FOR PERMITTING
4	DATE: 06/01/2023	ISSUE FOR PERMITTING
5	DATE: 06/01/2023	ISSUE FOR PERMITTING
6	DATE: 06/01/2023	ISSUE FOR PERMITTING
7	DATE: 06/01/2023	ISSUE FOR PERMITTING

EXISTING CONDITIONS  
PLAZA ELEVATIONS

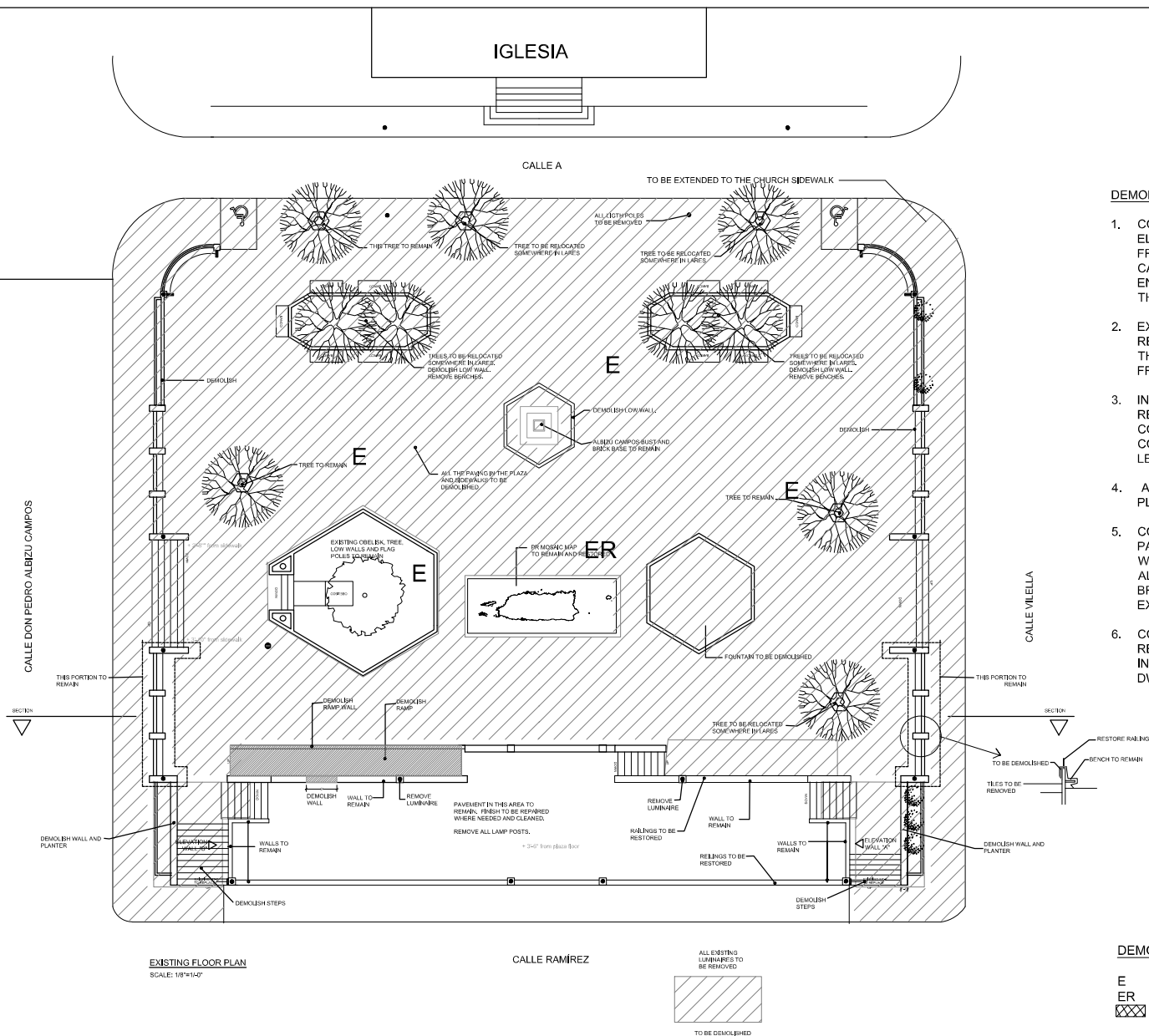
REVITALIZATION PROJECT  
PLAZA DE LA REVOLUCION  
PR-CRP-001088  
MUNICIPALITY OF LARES, PR 00669

PROJECT NAME

AS-BUILT  
EXIST. COND.

DATE	DATE
JUNE 2023	JUNE 2023
EX-2	


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DEMOLITION NOTES:

1. CONTRACTOR SHALL REMOVE ALL ELECTRICAL EQUIPMENT AND MATERIALS FROM AREAS TO BE REMODELED TAKING CARE THAT CIRCUITS THAT ARE TO BE KEPT ENERGIZED ARE COORDINATED TO MAINTAIN THESE SERVICES.
2. EXISTING CIRCUITS AFFECTED BY THIS REMODELING SHALL BE CHECKED SO THAT THEY ARE LEFT WITHOUT SHORTS AND FREE FROM ANY DEFECTS.
3. IN AREAS REMODELED, CONTRACTOR SHALL REMOVE ALL CONDUITS NOT EMBEDDED IN CONCRETE. CONDUITS EMBEDDED IN CONCRETE THAT ARE ABANDONED SHALL BE LEFT WITHOUT ANY CONDUCTORS.
4. ALL BOXES SHALL BE PROVIDED WITH BLANK PLATES.
5. CONTRACTOR MUST VERIFY THAT PANELBOARDS INSTALLATION COMPLIES WITH NEC REQUIREMENTS AND THAT IT HAS ALL PROTECTIVE COVERS, DOORS AND BREAKERS SPACES COVERS TO AVOID ANY EXPOSURE TO LIVE PARTS
6. CONTRACTORS SHALL DISCONNECT AND REPLACE EXISTING LUMA METER (MT-2) AS INDICATED IN THE PROPOSE ELECTRICAL DWG

DEMOLITION LEGEND:

E EXISTING TO REMAIN  
ER EXISTING TO BE REMOVED  
 AREA TO BE DEMOISHED

REVITALIZATION PROJECT - PLAZA DE LA REVOLUCION  
ARCHITECTURAL - SITE PLAN VIEW

SCALE: 1/8" = 1'-0"



CONSULTANT

REVISIONS	DATE
ISSUED FOR REVIEW 30%	1 APR 13, 2023
ISSUE FOR REVISION 60%	2 JUN 30, 2023
REVISION	3 DATE
REVISION	4 DATE
REVISION	5 DATE
REVISION	6 DATE
REVISION	7 DATE

ARCHITECTURAL PLAN VIEW  
PROPOSED DEMOLITION PLAN  
PLAZA LAYOUT

REVITALIZATION PROJECT  
PLAZA DE LA REVOLUCION  
PR-CRP-001088  
MUNICIPALITY OF PUEBLO GRANDE

ARCHITECTURAL  
DEM. PLAN

JUNE 2023

DP-1

DEMOLITION NOTES – GENERAL INSTRUCTIONS:

1. THIS IS A PARTIAL DEMOLITION PROJECT ON WHICH SITE ELEMENTS AND UTILITIES WILL BE DEMOLISHED, REMOVED AND RECYCLED AFTER ENVIRONMENTALLY HAZARDOUS MATERIALS ABATEMENT, IF APPLICABLE HAS BEEN COMPLETED AND CERTIFIED BY CONCERNED AUTHORITIES. SEE DRAWINGS FOR UTILITIES TO REMAIN.
2. ANY CONCRETE THAT CAN BE RECYCLED SHALL BE RECYCLED TO PRODUCE AN AASHTO MINIMUM CLASSIFICATION OF A – 2 – 4 SUB-BASE GRAVEL OR BETTER.
3. ANY ASPHALT THAT CAN BE RECYCLED SHALL BE RECYCLES AND REUSE ON SITE.
4. CONTRACTOR SHALL DISPOSE PROPERLY OF ALL NON-RECYCLABLE MATERIALS FROM DEMOLITION WORK, INCLUDING SITE GARBAGE ACCUMULATIONS, IN CERTIFIED LANDFILLS ACCORDING TO MUNICIPAL, STATE & FEDERAL REGULATIONS. SEE AND COMPLY WITH HAZARDOUS MATERIALS ABATEMENT REMOVAL & DISPOSAL REQUIREMENTS.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE INFLECTED TO THE PROJECT PROPERTY OR ADJACENT PROPERTIES OR OTHER PROJECT AREAS TO REMAIN DURING THE DEMOLITION AND CONSTRUCTION PHASES. DAMAGED ITEMS SHALL BE RESTORED TO IT'S ORIGINAL CONDITION AT CONTRACTOR'S EXPENSE AND OWNER'S SATISFACTION AT NO ADDITIONAL COST TO OWNER.
6. DEMOLITION AND REMOVAL SHALL BE CONDUCTED IN A MANNER THAT ELIMINATES HAZARDS TO PERSONS, THE ENVIRONMENT AND PROPERTY IN THE PROJECT AND THE SURROUNDING AREA. THE CONTRACTOR SHALL PREVENT THE RELEASE OF LEAD CONTAINING DUST WHERE APPLICABLE INTO THE AIR AND SOIL.
7. FOR ALL DEBRIS AND SCRAP MATERIALS CONTRACTOR SHALL DISPOSE OF AS TO MAINTAIN THE PROJECT SITE & SURROUNDINGS FREE OF WASTE MATERIALS, ACCORDING TO MUNICIPAL, STATE & FEDERAL REGULATIONS.
8. THE CONTRACTOR SHALL MAINTAIN ALL STREETS FREE OF OBSTRUCTIONS AND CLEAN AT ALL TIMES. WHERE WASHING WITH WATER IS REQUIRED TO CONSTRUCT OR TO PREVENT HEALTH HAZARDS TO ADJACENT RESIDENTIAL AND COMMERCIAL AREAS, CONTRACTOR SHALL USE WATER TANK TRUCKS AT HIS OWN COST OR REQUEST A TEMPORARY CONNECTION FROM AN AVAILABLE AAA METER, AND CAN NOT BE TAKEN FROM PUBLIC FIRE HYDRANTS OR NEIGHBORS.
9. THE CONTRACTOR SHALL SUBMIT, PROCURE AND OBTAIN ALL NECESSARY DOCUMENTS AND PERMITS FROM THE OGP<sub>e</sub> AND ENVIRONMENTAL QUALITY BOARD OF PUERTO RICO, SOLID WASTE AUTHORITY AND EPA, IN ORDER TO PROCEED WITH CONTRACTED WORK.
10. CONTRACTOR MUST MAINTAIN IN FULL FORCE ALL EXISTING PROJECT PERMITS AND / OR SUBMIT AND OBTAIN NEW THE NEW PERMITS AT HIS OWN COST.

11. THE CONTRACTOR WILL NOTIFY AND OBTAIN PERMIT FROM THE PUBLIC SERVICE COMMISSION PRIOR TO EXCAVATION AND DEMOLITION WORK IN THE PROJECT. PERMITS AND APPROVALS CONCERNING PROJECT ACTIVITIES MUST BE SUBMITTED TO THE OWNER AND HIS REPRESENTATIVE BEFORE PROCEEDING WITH ANY CORRESPONDING WORK.
12. PRIOR TO PROCEEDING WITH PLANTING AND REFORESTATION WORK, CONTRACTOR MUST FOLLOW THE REQUIREMENTS OF THE DEPARTMENT OF NATURAL RESOURCES A PERMIT FOR CUTTING, PRUNING AND PLANTING.
13. UTILITIES AND OR SERVICES (CONSISTING BUT NOT LIMITED TO WATER, SEWER, 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 AT NO ADDITIONAL COST TO OWNER.
14. THE CONTRACTOR IS RESPONSIBLE TO TAKE PHOTOS OF THE EXISTING CONDITIONS PRIOR TO BEGINNING DEMOLITION WORKS. THIS IS REQUIRED FOR ANY CLAIM THAT ARISES AND MUST BE DELIVERED TO THE RESIDENT INSPECTOR FOR HIS FILES.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND DISPOSITION OF GARBAGE & RECYCLING DUMPSTERS DURING DEMOLITION AND CONSTRUCTION WORKS.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TEMPORARY OR NECESSARY EQUIPMENTS OR UTILITIES FOR THE PROVISION OF ELECTRICITY, POTABLE WATER AND SANITARY SERVICES FOR THE CONSTRUCTION PERSONNEL AND FOR THE CONSTRUCTION INSPECTION TEAM DURING THE DEMOLITION AND CONSTRUCTION PERIOD. THE CONTRACTOR SHALL ALSO PROVIDE TEMPORARY OFFICE TRAILER FOR THE CONSTRUCTION INSPECTION TEAM.

DEMOLITION NOTES – ELECTRICAL WORKS:

1. CONTRACTOR SHALL REMOVE ALL ELECTRICAL EQUIPMENT AND MATERIALS FROM AREAS TO BE REMODELED TAKING CARE THAT CIRCUITS THAT ARE TO BE KEPT ENERGIZED ARE COORDINATED TO MAINTAIN THESE SERVICES.
2. EXISTING CIRCUITS AFFECTED BY THIS REMODELING SHALL BE CHECKED SO THAT THEY ARE LEFT WITHOUT SHORTS AND FREE FROM ANY DEFECTS.
3. IN AREAS REMODELED, CONTRACTOR SHALL REMOVE ALL CONDUITS NOT EMBEDDED IN CONCRETE. CONDUITS EMBEDDED IN CONCRETE THAT ARE ABANDONED SHALL BE LEFT WITHOUT ANY CONDUCTORS.
4. ALL BOXES SHALL BE PROVIDED WITH BLANK PLATES.
5. CONTRACTOR MUST VERIFY THAT PANELBOARDS INSTALLATION COMPLIES WITH NEC REQUIREMENTS AND THAT IT HAS ALL PROTECTIVE COVERS, DOORS AND BREAKERS SPACES COVERS TO AVOID ANY EXPOSURE TO LIVE PARTS

DEMOLITION NOTES – SAFETY AND HEALTH PRECAUTIONS

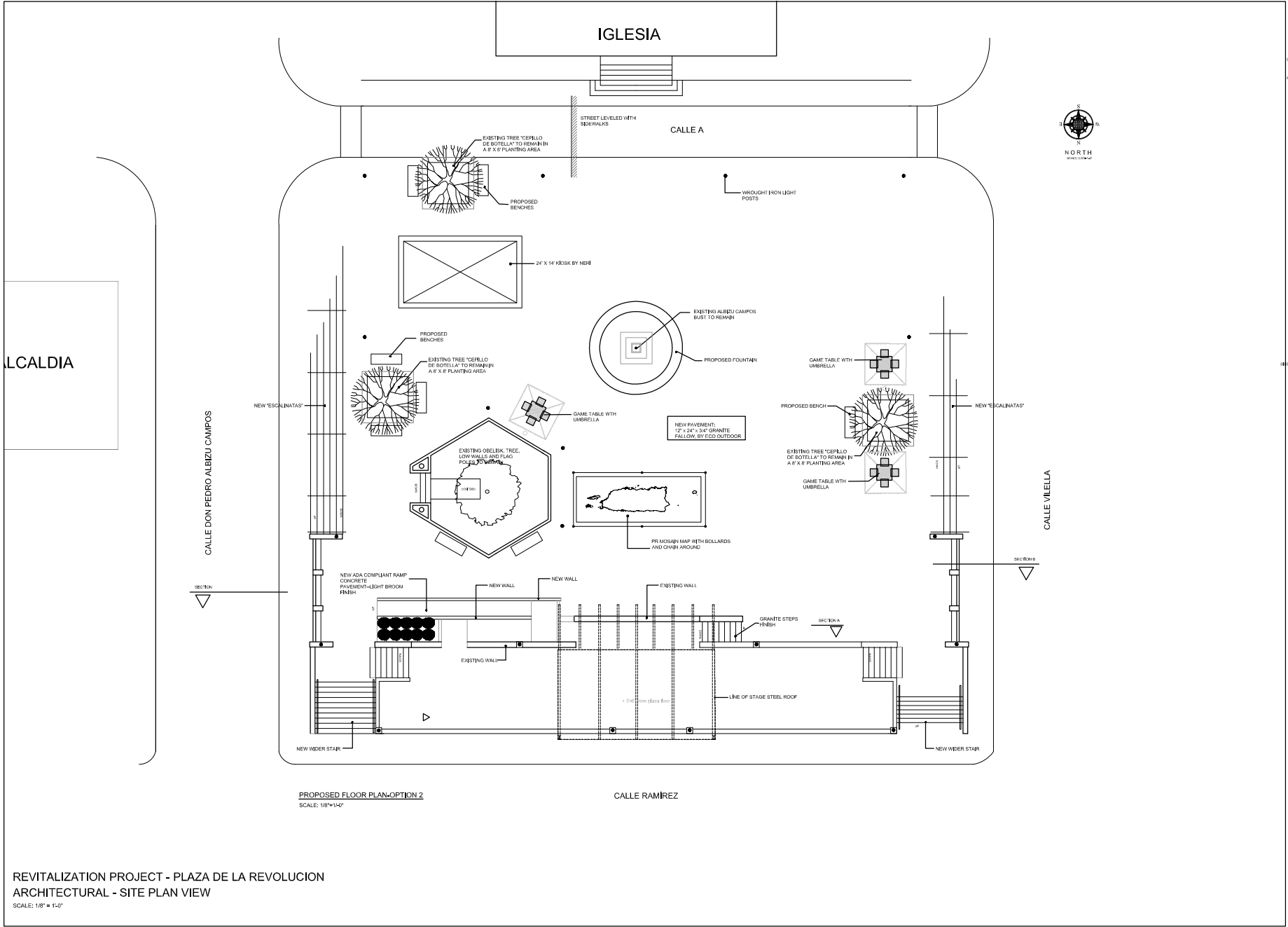
1. CONTRACTOR SHALL PROVIDE A RISK FREE ENVIRONMENT FOR ALL EMPLOYEES AND THEIR SURROUNDING. HE MUST GUARANTEE THE SAFETY AND HEALTH OF ALL EMPLOYEES, SUBCONTRACTORS AND VISITORS.
2. THE CONTRACTOR SHALL PROVIDE A SAFETY AND HEALTH PLAN PRIOR TO START ANY FIELD WORK.
3. SAFETY MEASURES AND PRECAUTIONS DURING DEMOLITION/CONSTRUCTION (ALL O.S.H.A. AND E.P.A. UPDATED COMPLIANCE IS UNDER EFFECT).
4. GENERAL WORK RELATED TO THE DEMOLITION OR ALTERATION TO THE PROJECT SITE MUST BE UNDERTAKEN IN CONFORMITY WITH THIS SAFETY PLAN.
5. SAFETY MEETINGS – THE CONTRACTOR WILL PERFORM WEEKLY SAFETY TOURS AND MEETINGS WITH HIS PERSONNEL TO TRAIN AND DISCUSS THE BEST PRACTICES AND SAFETY MEASURES TO BE IMPLEMENTED IN THE PROJECT.
6. THE CONTRACTOR WILL PERFORM CONTINUOUS JOB SITE INSPECTIONS CONFIRM ANY POTENTIAL SAFETY HAZARDS IF A POTENTIAL HAZARD IS SUSPECTED OR FOUND, THE CONTRACTOR WILL USE THE APPROPRIATE METHODS, EQUIPMENT, DEVICES AND MATERIAL TO ASSURE A SAFE WORKPLACE, SAFETY TOURS. AND TO MAINTAIN A SAFE AND ACCIDENT FREE JOB.
7. THE CONTRACTOR WILL PROVIDE TRAINED AND EXPERIENCED PERSONNEL TO ASSURE A JOB PROPERLY DONE AND SAFE. THE CONTRACTOR SHALL PROVIDE A HEALTH & SAFETY COORDINATOR.
8. THE CONTRACTOR WILL BE RESPONSIBLE FOR FIRE PROTECTION IN THE WORK AND OPERATIONAL AREAS.
9. THE PLAZA DEL MERCADO AND ITS COMMERCIAL SPACES CANNOT BE USE FOR THE STORAGE OF CONSTRUCTION OR COMBUSTIBLE MATERIAL.
10. THE CONTRACTOR SHALL PROVIDE FIRE EXTINGUISHERS FOR THE ENTIRE DEMOLITION / CONSTRUCTION AREA.
11. ALL HEAVY EQUIPMENT SHOULD HAVE ITS OWN FIRE EXTINGUISHERS OR HAVE ONE AVAILABLE IN A 100 FEET RADIUS FROM IT.
12. DURING DEMOLITION / CONSTRUCTION PERIOD FREE ACCESS TO FIRE HYDRANTS, OR TO OTHER FIRE EXTINGUISHING EQUIPMENT, SHALL BE PROVIDED AND MAINTAINED AT ALL TIMES.
13. CONTRACTOR EMPLOYEES WILL BE REQUIRED TO DRESS PROPERLY WHILE PERFORMING THEIR JOB. EACH WORKER WILL USE APPROPRIATE WORKING SAFETY SHOES. PROPER RESPIRATORY PROTECTION WILL BE USE WHENEVER REQUIRED. PROPER HAND PROTECTION WILL BE USE WHEN REQUIRED. PROPER HEARING PROTECTION WILL BE USED IN AREAS WHERE SOUNDS ARE HIGHER THAN 80 DBS.

REVITALIZATION PROJECT - PLAZA DE LA REVOLUCION  
ARCHITECTURAL - SITE PLAN VIEW

SCALE: 1/8" = 1'-0"



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REVITALIZATION PROJECT - PLAZA DE LA REVOLUCION  
ARCHITECTURAL - SITE PLAN VIEW  
SCALE: 1/8" = 1'-0"

APPLIED ENGINEERING GROUP  
ARCHITECTS/ENGINEERS/PLANNERS/INTERIORS  
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CONSULTANT

DATE	REVISION
1	ISSUED FOR REVIEW
2	ISSUED FOR REVIEW
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7	ISSUED FOR REVIEW

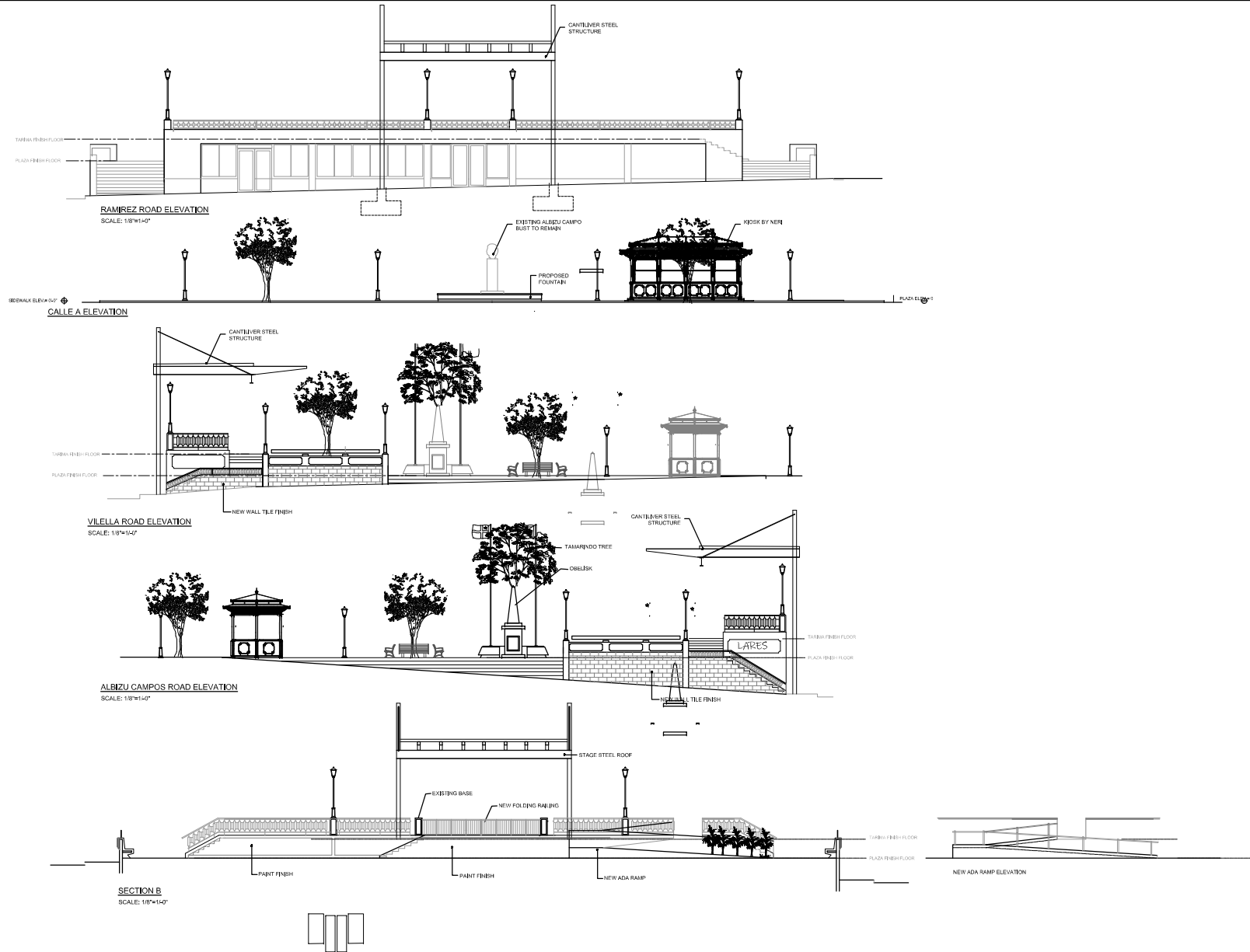
NEW CONDITIONS  
ARCHITECTURAL PLAN VIEW  
PROPOSED PLAZA LAYOUT

REVITALIZATION PROJECT  
PLAZA DE LA REVOLUCION  
PR-CRP-001088  
MUNICIPALITY OF LARES, PR 00669

ARCHITECTURAL  
NEW. COND.

JUNE 2023	DATE
A-1	SHEET

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PROYECTO REVITALIZACION - PLAZA DE LA REVOLUCION  
PROPOSED CONDITIONS - PLAZA ELEVATIONS

SCALE: 1/8" = 1'-0"

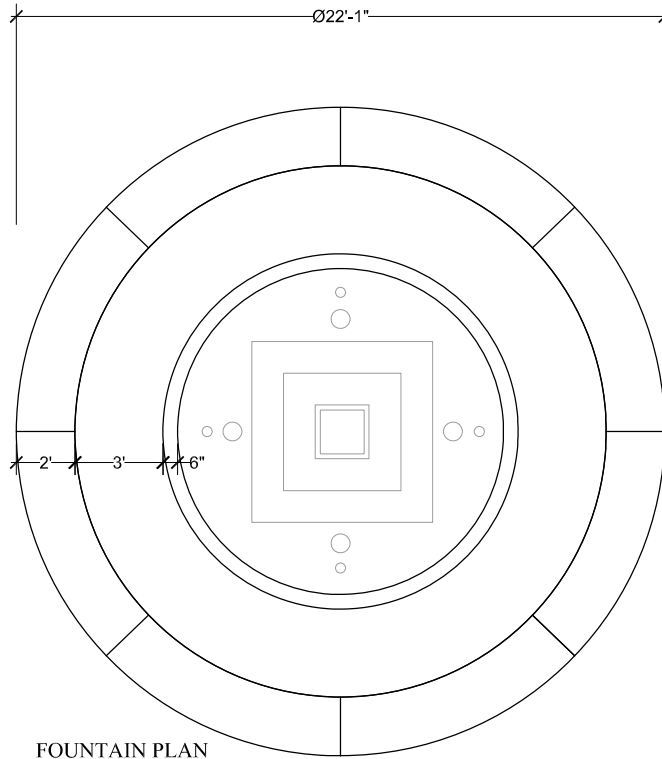
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PROPOSED PLAZA  
ELEVATIONS

REVITALIZATION PROJECT  
PLAZA DE LA REVOLUCION  
PR-CRP-001088  
MUNICIPALITY OF LARES, PR 00669

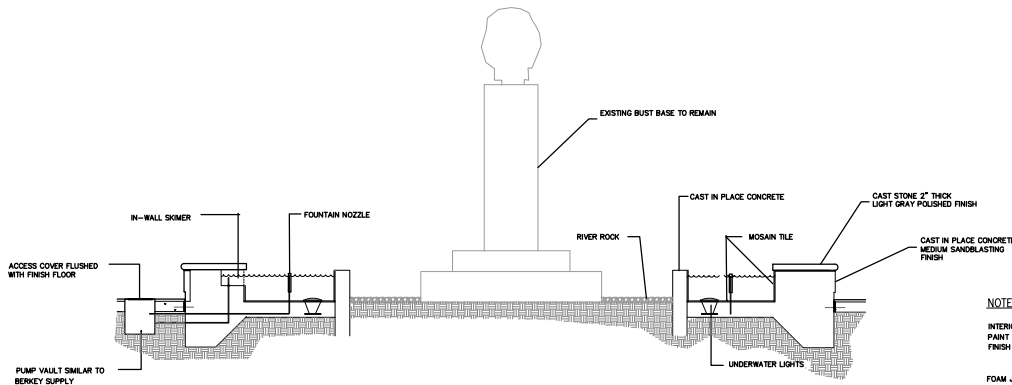
PROPOSED  
ELEVATIONS

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FOUNTAIN PLAN

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



FOUNTAIN SECTION

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

NOTES:

INTERIOR OF FOUNTAIN RUBBER CONCRETE.  
PAINT WITH TWO COATS OF EPOXY PAINT  
FINISH WITH MOSAIC TILES.

FOAMJET FOUNTAIN NOZZLES  
BRASS CONSTRUCTION 1/2" DISPLAY HEIGHT  
SIMILAR OR EQUAL TO PONDLINE.COM



CONSULTANT

DATE	REVISION
DATE: 06/01/23	1
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DATE: 06/01/23	7

NEW FOUNTAIN DETAILS

REVITALIZATION PROJECT  
PLAZA DE LA REVOLUCION  
PR-CRP-001088  
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FOUNTAIN  
DETAILS







DATE	SHEET
JUNE 2023	A-3

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19. UNLESS OTHERWISE NOTED, PROVIDE BRANCH CIRCUIT BREAKERS FOR 120VAC, SINGLE PHASE MOTORS, ONE HALF HORSEPOWER AND LESS CONSISTING OF TWO (2) 1/2" WLG OR ONE (1) 3/4" WLG.
20. WHERE OVERSIZED CONDUITS ARE INDICATED ON THE DRAWINGS, WHICH CANNOT BE SAFELY TERMINATED DUE TO LUG SIZE OR WIRE BENDING SPACE LIMITATIONS, PROVIDE LOCAL JUNCTION BOX WITH NEC APPROVED FEEDER TAP OF SMALLER WIRE SIZE SUITABLE FOR PROPER TERMINATION AT THE DEVICE.
21. PROVIDE EXPANSION FITTINGS IN ALL ELECTRICAL RACEWAY RUNS WHERE THEY CROSS BUILDING EXPANSION JOINTS, OR AS NEEDED FOR STRAIGHT RUNS GREATER THAN 150'.
22. INSTALL ALL CONDUITS AS HIGH AS POSSIBLE, ROUTE AND SUPPORT ALL CONDUITS TO AVOID PIPING, OUTWORK, EQUIPMENT, ETC. COORDINATE ALL CONDUIT ROUTINGS WITH ALL TRADES.
23. PROVIDE WINCHING CROW FOR CONTROL AND INSTRUMENTATION SYSTEMS FROM THE POINT OF ORIGIN TO TERMINUS OF DEVICES AT ENDS OF RUNS (I.E.: SPLICES ARE NOT PERMITTED).
24. ALTHOUGH NOT SHOWN ON THE DRAWING, SURVEY EXISTING ELECTRICAL DEVICES AND RACEWAYS, WHICH MAY INTERFERE WITH THE WORK, TO DETERMINE SOURCE OF POWER AND THE LOCATION THEREOF. SUBMIT THIS INFORMATION IMMEDIATELY TO THE OWNER'S REPRESENTATIVE FOR REVIEW, CORRECT AND EITHER REMOVE COMPLETELY OR RELOCATE AND RECONNECT THESE MATERIALS AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
25. MAINTAIN ACCESS CONTINUITY FOR ALL EXISTING EQUIPMENT THAT IS TO REMAIN IN SERVICE.
26. BROOM CLEAN ALL WORK AREAS UPON COMPLETION OF WORK EACH DAY.
27. ELECTRICAL DRAWINGS ARE BASED ON PRELIMINARY VENDOR INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ELECTRICAL RACEWAY SIZES, TYPES, AND LOCATIONS FOR ALL WIRING, ETC. FROM CERTIFIED DRAWINGS OF EQUIPMENT AND SHALL BE RESPONSIBLE FOR ANY CHANGES, INCLUDING ANY NECESSARY MODIFICATIONS REQUIRED WITHOUT ANY ADDITIONAL COST TO THE OWNER. HE SHALL SUBMIT A SCHEDULE OF SUCH CHANGES FOR APPROVAL BY THE ENGINEER. ALL APPROVED CHANGES SHALL BE RECORDED ON "AS-BUILT" DRAWINGS.
28. ALL EQUIPMENT SHALL BE WIRED BY THE CONTRACTOR IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURERS INSTRUCTIONS, OR SPECIFICATIONS.
29. UNLESS OTHERWISE NOTED MOUNT DEVICES AS FOLLOWS:
  - A. CONTROL STATIONS, DISCONNECT SWITCHES, CONTROL PANELS, ETC. SHALL BE AFF.
30. BEFORE INSTALLING RECEPTACLES VERIFY THEIR LOCATIONS WITH THE OWNER'S REPRESENTATIVE.
31. ISOLATE ALL WIRING ORIGINATING FROM EMERGENCY POWER SOURCE.
32. THE CONTRACTOR SHALL INSTALL ALL RECESSED BOXES FOR LIGHT SWITCHES, RECEPTACLES, ETC. IN A LEVEL/PLUMB ORIENTATION.
33. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL FOR THE FOLLOWING ITEMS:
  - ALL ITEMS SHOWN ON ONE LINE DIAGRAMS.
  - ALL WIRE AND CABLE.
34. PROVIDE MULTI-WIRE BRANCH CIRCUITS UTILIZING COMMON NEUTRALS (EXCEPT FOR OTHERWISE NOTED). FOR LIGHTING, CIRCUIT NUMBERS ADJACENT TO FIXTURES, DEVICES AND OUTLETS ARE INDICATED AS A GUIDE FOR PROPER CONNECTION OF MULTI-WIRE CIRCUITS AT PANELS.
35. SAFETY SWITCH RATING: FUSE AND POLES WILL BE INDICATED AS FOLLOWS:
  - A. FOR EQUIPMENT CONNECTED TO THE MOTOR CONTROL CENTERS: ON THE ONE LINE DIAGRAM BESIDE THE SYMBOL.
  - B. FOR EQUIPMENT CONNECTED TO PANELBOARDS: ON THE FLOOR PLANS BESIDE THE SYMBOL.
  - C. REFER TO DETAILS ON DWGS. AND TO SPECIFICATIONS SECTIONS 16175 & 16170 FOR NEMA TYPE ENCLOSURE AND MOUNTING.
36. PROVIDE CONDUIT SEAL FITTING FOR ALL CONDUIT ENTERING OR LEAVING CLASSIFIED AREA.
37. MINIMUM CONDUIT SIZE FOR DATA/COMMUNICATIONS, ACCESS CONTROL, CAMERIE FIRE ALARM, BMS SYSTEM SHALL BE 3/4". FOR CONDUIT MATERIAL REFER TO SECTION 16000.

AC	AMPERES	LTG	LIGHTING
AC	ALTERNATING CURRENT	MAX	MAXIMUM
AF	ABOVE FINISHED FLOOR	MCB	MAIN CIRCUIT BREAKER
AFG	ABOVE FINISHED GRADE	MCC	MOTOR CONTROLLER CENTER
AIC	AMPERES INTERRUPTING CAPACITY	MH	METAL HALIDE
ATS	AUTOMATIC TRANSFER SWITCH	MIN	MINIMUM
BKR	BREAKER	MLO	MAIN LUGS ONLY
BLD	BUILDING	MOV	MOTORIZED VALVE
CJ	COPPER	MTD	MOUNTED
DIA	DIAMETER	NEC	NATIONAL ELECTRICAL CODE
DOPDT	DOUBLE POLE DOUBLE THROW	NEUT	NEUTRAL
ELEC	ELECTRICAL	NTS	NOT TO SCALE
EP	EXPLOSION PROOF	P	NUMBER OF POLES OR PHASES
ES	EMERGENCY STOP	PB	PULL BOX
ESB	ENERGY SAVING BALLAST	PC	PHOTOELECTRIC CONTROL
EXIST	EXISTING	PLC	PROGRAMMABLE LOGIC CONTROLLER
FAAP	FIRE ALARM ANNUNCIATOR PANEL	PNL	PANEL
FACP	FIRE ALARM CONTROL PANEL	QTY	QUANTITY
FVNR	FULL VOLTAGE NON REVERSING	RO	RUN-OFF
FVR	FULL VOLTAGE REVERSING	SD	SMOKE DETECTOR
FWE	FURNISHED WITH EQUIPMENT	SH	SHIELDED
GFI	GROUND FAULT CIRCUIT INTERRUPTER	SS	STAINLESS STEEL
GND	GROUND	SW	SWITCH
HOA	HAND-OFF-AUTOMATIC	SWBD	SWITCHBOARD
HOR	HAND-OFF-REMOTE	SWGR	SWITCHGEAR
HP	HORSEPOWER	2SZW	TWO SPEED, TWO WINDINGS
HPS	HIGH POWER FACTOR	TC	TIME CLOCK
HPF	HIGH PRESSURE SODIUM	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
JOA	JOG-OFF-AUTO	TYP	TYPICAL
IG	ISOLATED GROUND	UPS	UNINTERRUPTABLE POWER SUPPLY
INST	INSTRUMENTATION	V	VOLT
KVA	KILOVOLT-AMPERES	VFD	VARIABLE FREQUENCY DRIVE
KW	KILOWATT	W	WIRE, WITH OR WITHOUT
LAN	LOCAL AREA NETWORK	WP	WEATHERPROOF

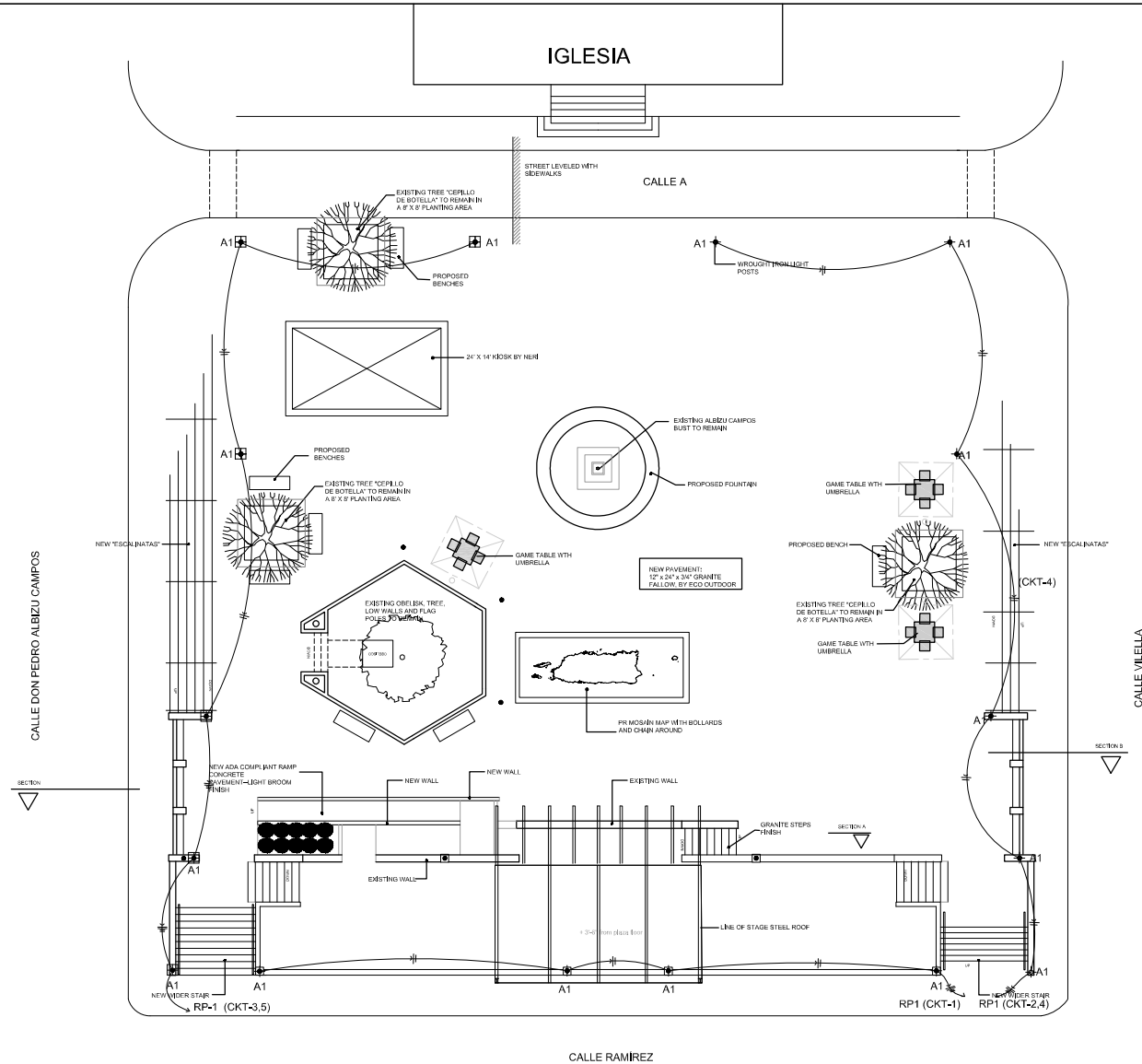
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- HEAVY DUTY SWITCH, 250 VOLTS, 3 POLES, RUN CUMULUS.
  - RECESSED MOUNTED PANELBOARD — TOP AT 6'-0"
  - FLEXIBLE SEATTLE WIRE CONNECTION.
-  M1 POLE TYPE LIGHTING FIXTURE  
 M2 BOLLARD TYPE FIXTURE
- DUPLEX CONVENIENCE OUTLET, 20 AMPS, 120 VOLTS, 2 POLES, 3 SPECIFICATION GRADE, GROUNDING TYPE, LIGHT MOUNTED AT 18" A.F.T., UNLESS OTHERWISE INDICATED. SEE "FIRE HAZARD" CAT. (PAGES 1084-5-1090)
-  M3 20 AMP, 120 VOLTS, 2 POLES, 3 SPECIFICATION GRADE, GROUNDING TYPE, LIGHT MOUNTED AT 18" A.F.T., UNLESS OTHERWISE INDICATED.
-  M4 20 AMP, 120 VOLTS, 2 POLES, 3 SPECIFICATION GRADE, GROUND FAULT INTERRUPTER TYPE, LIGHT MOUNTED AT 18" A.F.T., UNLESS OTHERWISE INDICATED.
-  M5 20 AMP, 120 VOLTS, 2 POLES, 3 SPECIFICATION GRADE, GROUND FAULT INTERRUPTER TYPE, LIGHT MOUNTED AT 18" A.F.T., UNLESS OTHERWISE INDICATED.
-  PHOTOCELLIC CELL RELAY, TURN-LOCK TYPE, 20 VOLTS, UNLESS OTHERWISE NOTED, WITH PHOTO CONTROL, RECEPTACLE WITH "E" PLUG, LIGHT MOUNTED AT 75" TYPE, OTHERWISE TOWARD THE NORTH SIDE, SIGNAL TO "HORN" CODE, 250.

REVITALIZATION PROJECT  
PLAZA DE LA REVOLUCION  
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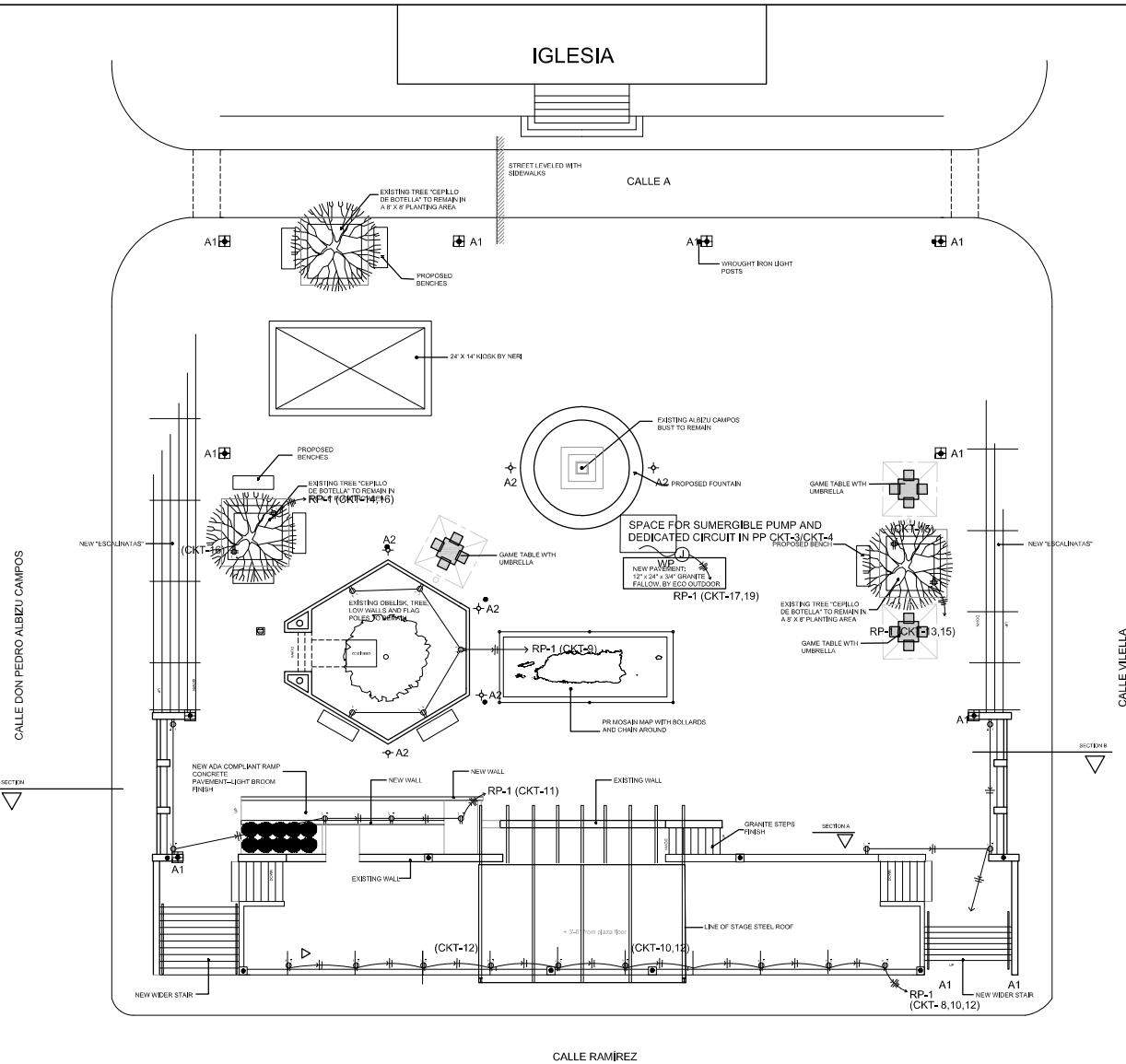
#### NOTES:

1. CONTRACTOR SHALL DISCONNECT, REMOVE AND REPLACE EXISTING POLE LIGHTING FIXTURES AND POLE BY NEW LED LIGHTING FIXTURE AND POLE.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFY EXISTING CIRCUIT PRIOR TO START WORKS.
3. CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS FOR PROPER INSTALLATION .
4. CONTRACTOR SHALL PROVIDE AND INSTALL 2#10 THHN AND 1 # 2 TW GND CABLE IN 1" PVC CONDUIT TO A NEW 25 FT, 1 POLE, 120 V CIRCUIT BREAKER TO BE INSTALLED AT EXISTING PANEL BOARD.
5. JUNCTION BOX AND CONDUITS ROUTING FINAL LOCATION, TO BE FIELD COORDINATE.
6. ALL BOXES SHALL BE PROVIDED WITH BLANK PLATES.
7. CONTRACTOR MUST VERIFY THAT PANEL BOARDS INSTALLATION COMPLIES WITH NEC REQUIREMENTS AND THAT IT HAS ALL PROTECTIVE COVERS, DOORS AND BREAKERS SPACES COVERS TO AVOID ANY EXPOSURE TO LIVE PARTS.

REVITALIZATION PROJECT - PLAZA DE LA REVOLUCION  
PROPOSED PLAZA - LIGHTING DISTRIBUTION PLAN

SCALE: 1/8" = 1'-0"

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REVITALIZATION PROJECT - PLAZA DE LA REVOLUCION  
PROPOSED PLAZA - POWER DISTRIBUTION PLAN

SCALE: 1/8" = 1'-0"

DATE	REVISION
JUNE 1, 2023	1
JUNE 1, 2023	2
JUNE 1, 2023	3
JUNE 1, 2023	4
JUNE 1, 2023	5
JUNE 1, 2023	6
JUNE 1, 2023	7

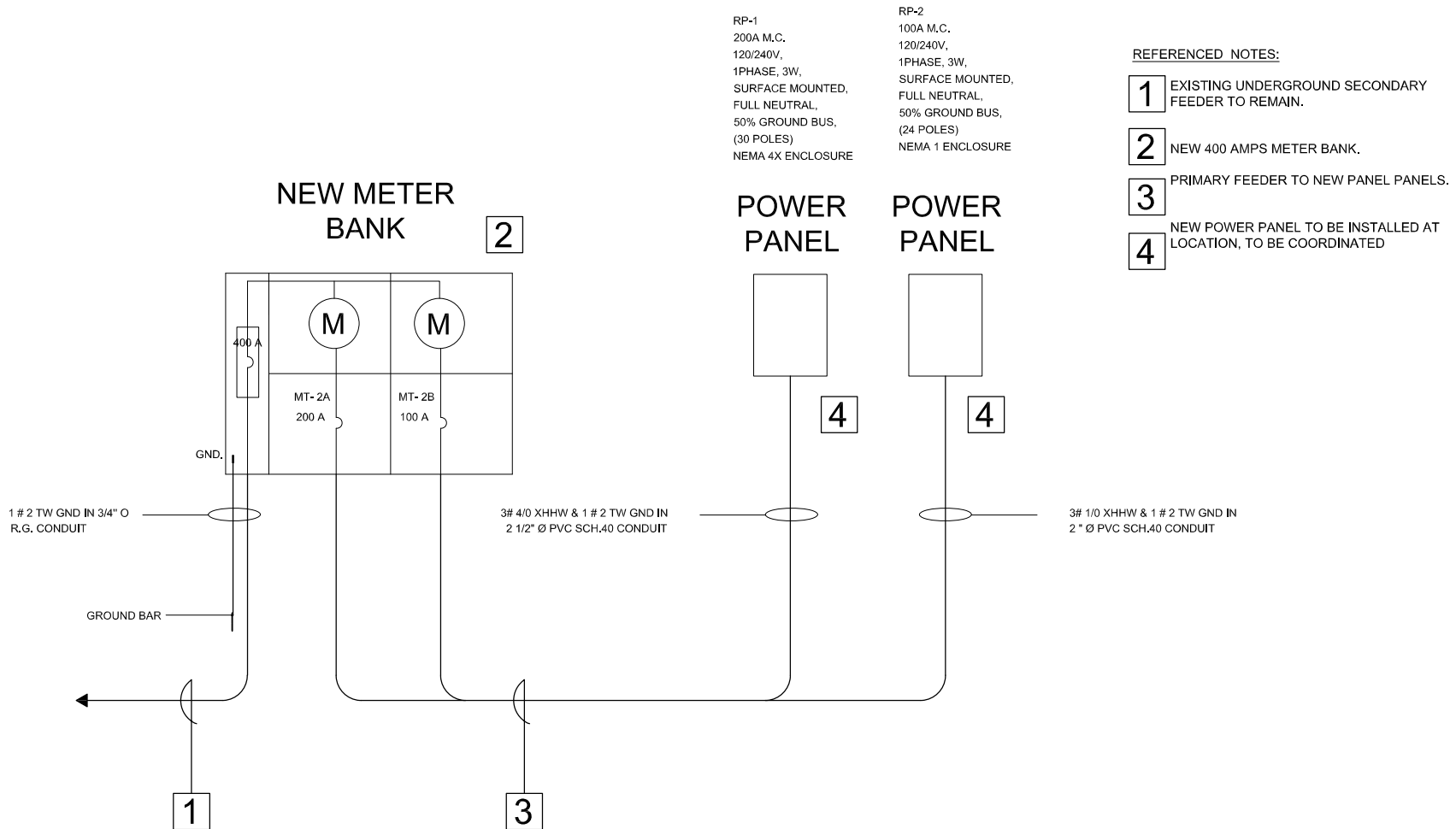
NEW CONDITIONS  
POWER DISTRIBUTION PLAN  
POWER CIRCUITS

REVITALIZATION PROJECT  
PLAZA DE LA REVOLUCION  
PR-CRP-001088  
MUNICIPIO DE LARES

ELECTRICAL  
NEW COND.

DATE	REVISION
JUNIO 2023	1
JUNIO 2023	2
JUNIO 2023	3
JUNIO 2023	4
JUNIO 2023	5
JUNIO 2023	6
JUNIO 2023	7

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REVITALIZATION PROJECT - PLAZA DE LA REVOLUCION  
ONE LINE - RISER DIAGRAM

SCALE: 1/8" = 1'-0"

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### POWER PANEL RP-1: LIGHTING AND RECEPTACLE PANEL SCHEDULE

DESIGNATION: RP-1	MOUNTING: RECESSED	TYPE: 1P-4W	VOLTAGE: 120/240	M.L.O.: -																		
LOCATION: PLAZA DE LA REVOLUCION	I.C. MIN (KA): 10	NEUTRAL: 100%	GROUND BUS: 50%	MAIN BKR.: 100																		
			ENCLOSURE: NEMA 4X																			
REMARKS	EQUIPMENT	CIRCUIT BREAKER				CIRCUIT SIZE				CIRCUIT NO.		CIRCUIT NO.	CIRCUIT SIZE				CIRCUIT BREAKER				EQUIPMENT	REMARKS
		TRIP AMPS	I.C. (KA)	FRAME	POLES	NO.	WIRE	GND	COND.				COND.	GND	WIRE	NO.	POLES	FRAME	I.C. (KA)	TRIP AMPS		
	LIGHT-POLE MOUNT	20	-	100	1	2	10	12	1"	1	2	1"	12	10	2	1	100	-	20	LIGHT-POLE MOUNT		
	LIGHT-POLE MOUNT	20	-	100	1	2	10	12	1"	3	4	1"	12	10	2	1	100	-	20	LIGHT-POLE MOUNT		
	LIGHT-POLE MOUNT	20	-	100	1	2	10	12	1"	5	6	1"	12	10	2	1	100	-	20	LIGHT-POLE MOUNT		
	LIGHTING BOLLARD	20	-	100	1	2	10	12	1"	7	8	1"	12	10	2	1	100	-	20	LIGHTING BOLLARD		
	RECEPTACLE OBELISCO AREA	20	-	100	1	2	10	12	1"	9	10	1"	12	10	2	1	100	-	20	RECEPTACLE OBELISCO AREA		
	RECEPTACLE STAGE AREA	20	-	100	1	2	10	12	1"	11	12	1"	12	10	2	1	100	-	20	RECEPTACLE STAGE AREA		
	RECEPTACLE - TREE AREA	20	-	100	1	2	10	12	1"	13	14	1"	12	10	2	1	100	-	20	RECEPTACLE - TREE AREA		
	RECEPTACLE - TREE AREA	20	-	100	1	2	10	12	1"	15	16	1"	12	10	2	1	100	-	20	RECEPTACLE - TREE AREA		
	SPARE	20	-	100	1	2	10	12	1"	17	18	1"	12	10	2	1	100	-	20	SPARE		
	SPARE	20	-	100	1	2	10	12	1"	19	20	1"	12	10	2	1	100	-	20	SPARE		
	SPARE	20	-	100	1	2	10	12	1"	21	22	1"	12	10	2	1	100	-	20	SPARE		
										23	24											
										25	26											
										27	28											

### POWER PANEL RP-2: POWER PANEL SCHEDULE

DESIGNATION: <u>RP-2</u>	MOUNTING: <u>RECESSED</u>	TYPE: <u>1P-4W</u>	VOLTAGE: <u>120/240</u>	M.L.O.: <u>-</u>																		
LOCATION: <u>PLAZA DE LA REVOLUCION</u>	I.C. MIN (KA): <u>10</u>	NEUTRAL: <u>100%</u>	GROUND BUS: <u>50%</u>	MAIN BKR.: <u>100</u>																		
			ENCLOSURE: <u>NEMA 4X</u>																			
REMARKS	EQUIPMENT	CIRCUIT BREAKER				CIRCUIT SIZE				CIRCUIT NO.		CIRCUIT SIZE				CIRCUIT BREAKER				EQUIPMENT	REMARKS	
		TRIP AMPS	I.C. (KA)	FRAME	POLES	NO.	WIRE	GND	COND.			COND.	GND	WIRE	NO.	POLES	FRAME	I.C. (KA)	TRIP AMPS			
										1	2											
										3	4											
										5	6											
										7	8											
										9	10											
										11	12											
										13	14											
										15	16											
										17	18											
										19	20											
										21	22											
										23	24											
										25	26											
										27	28											

### LIGHTING FIXTURE AND LAMP SCHEDULE

DESIGNATION	FIXTURE					LAMP				APPROVED EQUAL:
	TYPE	MOUNTING	ENCLOSURE	REMARKS		TYPE	QTY.	WATTS	REMARKS	
A1	COMMERCIAL	POLE MOUNTED SQUARE POLES AT 12 A.F.G.	CAST LOW COPPER ALUMINUM DESIGN ARCHITECTURAL GRADE TYPE POWDER COAT. MOUNT TO 3 INCH SQUARE POLE. DARK BRONZE COLOR.	HIGH EFFICIENCY MONOCRYSTALLINE CELLS. OPERATE WITH INTEGRATED PHOTOCELL, MPPT WEATHER-PROOF CONSTRUCTION. HIGH-PERFORMANCE LITHIUM BATTERY WITH 10 YEARS WARRANTY. COMPLY WITH BUY AMERICAN ACT.		LED 4000 K, 80 CRI	9	1250 LMS OUTPUT (SOLAR)	277 VOLTS HIGH POWER FACTOR ELECTRONIC BALLAST < 10% THD	FIRSTLIGHT TECHNOLOGY--SCL SERIE SCL-SPW-82-15-NW-09SERIES 2'x4'
A2	COMMERCIAL	BOLLARD	EXTRUDED ALUMINUM HOUSING WITH FLUSH MOUNTING BASE AND VANDAL-RESISTANCE SCREWS. 34 INCH HEIGHT. FLAT TOP WITH INTERNAL DRIVE. TEXTURE POWDER COAT FINISH. DARK BRONZE COLOR. MOUNTING KIT 4 INCHES (BRUSH) PLATED.	CLEAR UNSTABILIZED POLYCARBONATE VANDAL-RESISTANCE LENS AND REFLECTIVE WHITE UV-STABILIZED POLYCARBONATE CONE REFLECTOR. SURGE PROTECTION FACTORY INSTALLED PHOTOCELL SENSOR CONTROLS. 15A-120V GFCI OUTLET. COMPLY WITH BUY AMERICAN ACT.		LED 4000 K, 80 CRI	16	16 W (1,554 LMS OUTPUT)	UNIVERSAL VOLTAGE 110-277 VAC, 0-10 DIMMING ELECTRONIC DRIVER.	ECO-REVOLUTION--BOLLARDS ECB20-F-1X16-U-4K-C-2-2-SP-BU

REVITALIZATION PROJECT - PLAZA DE LA REVOLUCION  
SCHEDULES AND DETAILS



CONSULTANT

DATE	10/11/2023
DESIGNED BY	10/11/2023
CHECKED BY	10/11/2023
APPROVED BY	10/11/2023
DATE	10/11/2023
DESIGNED BY	10/11/2023
CHECKED BY	10/11/2023
APPROVED BY	10/11/2023

NEW CONDITIONS  
ELECTRICAL DRAWINGS  
SCHEDULES AND DETAILS

REVITALIZATION PROJECT  
PLAZA DE LA REVOLUCION  
PR-CRP-001088  
MUNICIPIO DE LARES

ELECTRICAL  
NEW COND.

JUNIO 2023
E-5



## ArcGIS Web AppBuilder



### Attachment 12: Sole Source Aquifers Map

Project: Rehabilitación Plaza de la Revolución de Lares – Plaza Pública (PR-CRP-001088)

Location: Dr. Pedro Albizu Campos St., Downtown Lares, Lares, PR 00669 (Lat: 18.29482420, Lon: -66.87771951)

Source: USEPA Sole Aquifers

Website: <https://www.epa.gov/dwssa/map-sole-source-aquifer-location>

Prepared By: Applied Engineering Group



July 3, 2024

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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

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

### Attachment 13: Wetlands Map

Project: Rehabilitaci3n Plaza de la Revoluci3n de Lares – Plaza P3blica (PR-CRP-001088)

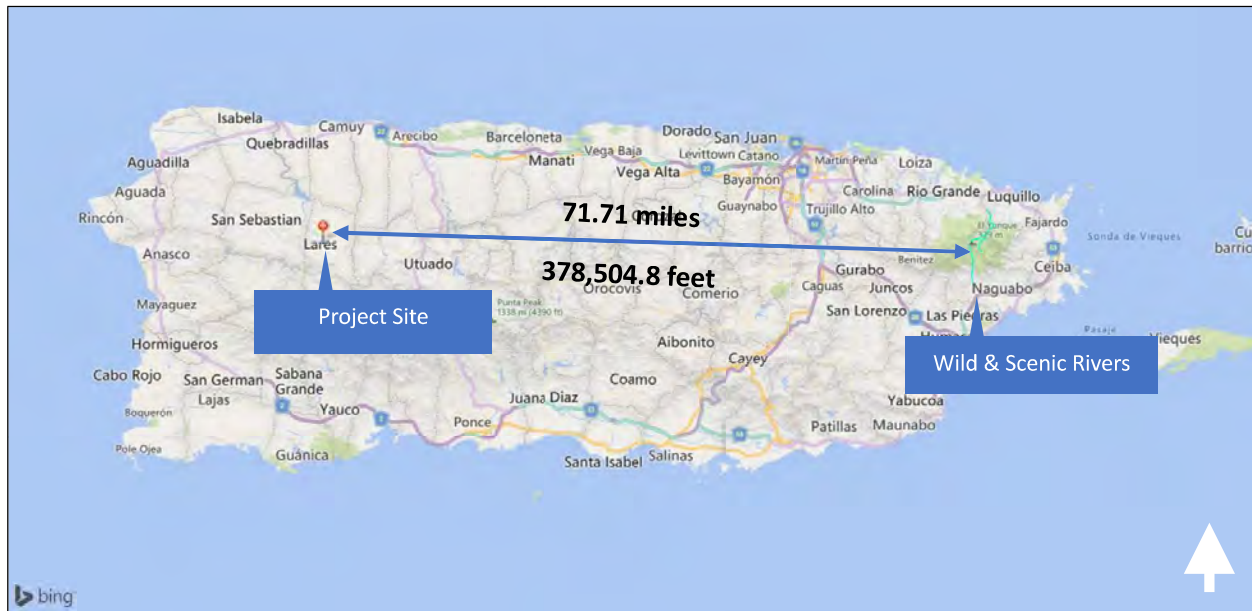
Location: Dr. Pedro Albizu Campos St., Downtown Lares, Lares, PR 00669 (Lat: 18.29482420, Lon: -66.87771951)

Source: USEPA Sole Aquifers

Website: <https://www.epa.gov/dwssa/map-sole-source-aquifer-location>

Prepared By: Applied Engineering Group

## Wild & Scenic Rivers



April 7, 2025

Project 1

Wild and Scenic Rivers

1:577,791  
0 5 10 20 mi  
0 10 20 40 km

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### Attachment 14: Wild & Scenic Rivers Map

Project: Rehabilitación Plaza de la Revolución de Lares – Plaza Pública (PR-CRP-001088)

Location: Dr. Pedro Albizu Campos St., Downtown Lares, Lares, PR 00669 (Lat: 18.29482420, Lon: -66.87771951)

Source: NEPAassist

Website: <https://nepassisttool.epa.gov/nepassist/nepamap.aspx>

Prepared By: Applied Engineering Group

Attachment 15 Field Inspection Report & Photos of Site Conditions



## Field Inspection Report

**Project Name:** Rehabilitación Plaza de la Revolución de Lares – Plaza Pública (PR-CRP-001088)

**Location:** Dr. Pedro Albizu Campos St., Downtown Lares, Lares, PR 00669

**Inspection Dates:** October 18, 2023; January 12, 2024; February 14, 2024

**Prepared By:** José De La Rosa Reyes

---

### Inspection Objectives

1. Assess current site conditions and identify any adverse environmental impacts.
2. Conduct specific inspections for asbestos and lead-based paint.
3. Verify compliance with environmental and regulatory requirements for the project.

### Summary of Field Inspections

- **October 18, 2023:** Initial inspection focused on detecting asbestos and lead-based paint. This site inspection was made by AES international.
  - No asbestos-containing materials (ACMs) were detected.
  - Lead-based paint was identified, necessitating mitigation measures.
- **January 12, 2024:** Follow-up inspection for compliance and verification of site preparation.
- **February 14, 2024:** Final assessment of the site. No visible adverse conditions were identified.

### Findings

- **Site Conditions:** The site was in satisfactory condition with no visible hazards.
- **Environmental Considerations:**
  - No contamination issues or recognized environmental conditions (RECs) within the immediate project vicinity.
  - Presence of lead-based paint requires professional mitigation before construction activities commence.
  - No adverse impacts on endangered species, wetlands, or flood zones.
- **Compliance:** The project complies with all relevant statutes, executive orders, and regulations.

### Mitigation Measures

- **Lead-Based Paint:**
  - Certified professionals will implement a mitigation plan to safely remove or manage lead-based paint before construction.
- **Monitoring Requirements:**
  - Continuous oversight during demolition and construction phases to ensure adherence to environmental and safety regulations.

### Conclusion

The field inspections determined that the project is compliant with all applicable environmental and safety standards. Proper mitigation for lead-based paint and other minor adjustments will ensure the project's successful implementation.

**Inspector Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_ May 06, 2024

# APPLIED ENGINEERING GROUP

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10 St. Montecarlo Ave. #866 Río Piedras, PR 00924-5818

P.O. Box 361298 San Juan, Puerto Rico 00936-1298



**Project Name:** Rehabilitation of Plaza de la Revolución de Lares – Public Square

**Project Number:** PR-CRP-001088

**Location:** Dr. Pedro Albizu Campos St., Downtown Lares, Lares, PR 00669  
(18.294769, -66.877628)



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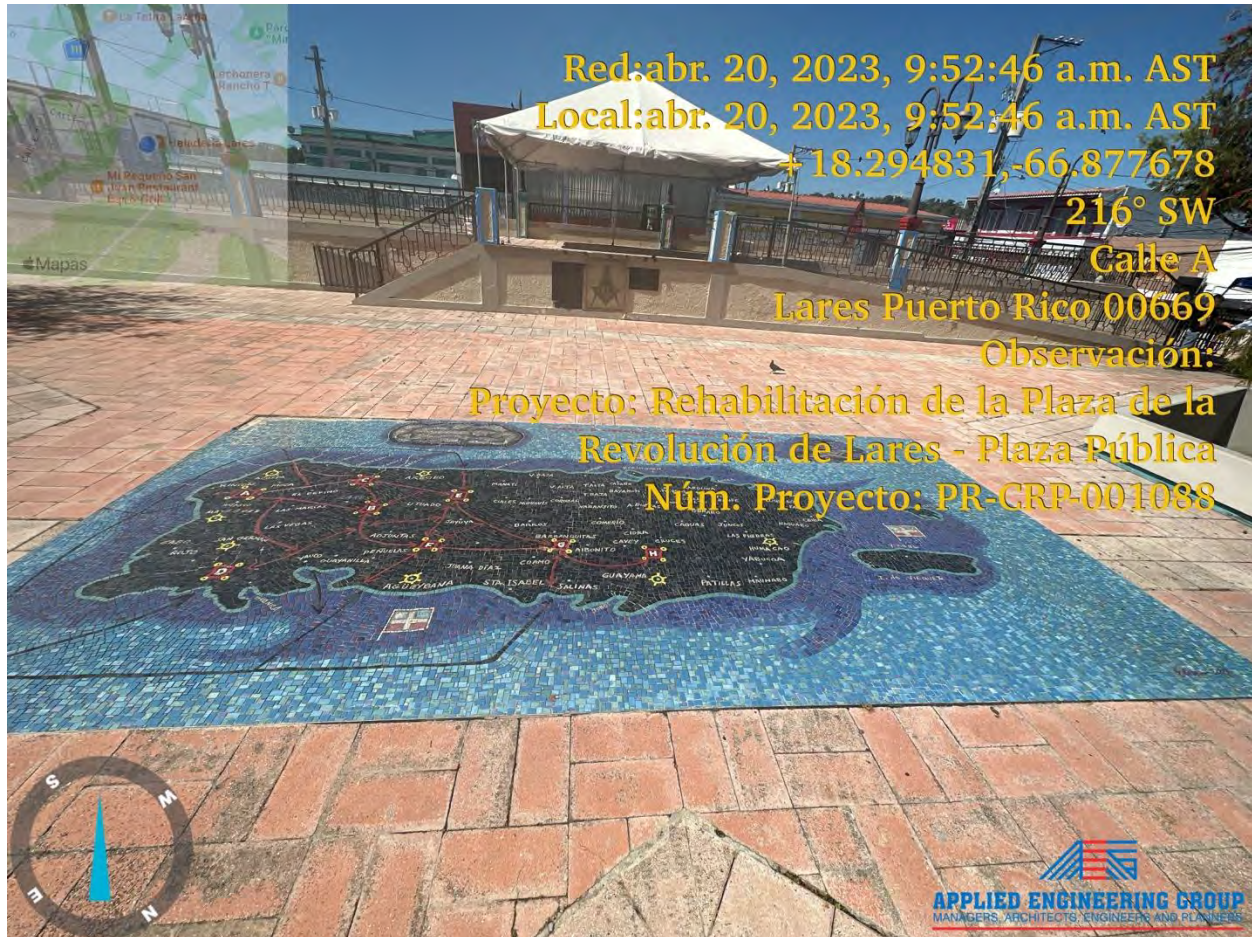
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10 St. Montecarlo Ave. #866 Río Piedras, PR 00924-5818

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## Item 1: Puerto Rico Island Mosaic



Red:abr. 20, 2023, 9:52:46 a.m. AST

Local:abr. 20, 2023, 9:52:46 a.m. AST

\* 18.294831, -66.877678

216° SW

Calle A

Lares Puerto Rico 00669

Observación:

Proyecto: Rehabilitación de la Plaza de la  
Revolución de Lares - Plaza Pública

Núm. Proyecto: PR-CRP-001088

- Teléfono1: (787)-771-5071 • Teléfono2: (787)-771-5069 • Teléfono3: (787) 771-5070 • Fax: (787) 771-5070 •
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## Item 2: Water Fountain:



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## Item 3: Historical Obelisk



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## Item 4: Planter A



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## Item 5: Betances Bust Monument



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## Item 6: Planter B



Red:abr. 20, 2023, 9:56:03 a.m. AST

Local:abr. 20, 2023, 9:56:03 a.m. AST

+18.294854, -66.877527

299° NW

2-8 Calle Vilella

Lares Puerto Rico 00669

Observación:

Proyecto: Rehabilitación de la Plaza de la  
Revolución de Lares - Plaza Pública

Núm. Proyecto: PR-CRP-001088



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### Item 7: Calle 23 de septiembre



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P.O. Box 361298 San Juan, Puerto Rico 00936-1298

### Other Plaza Architectural elements:



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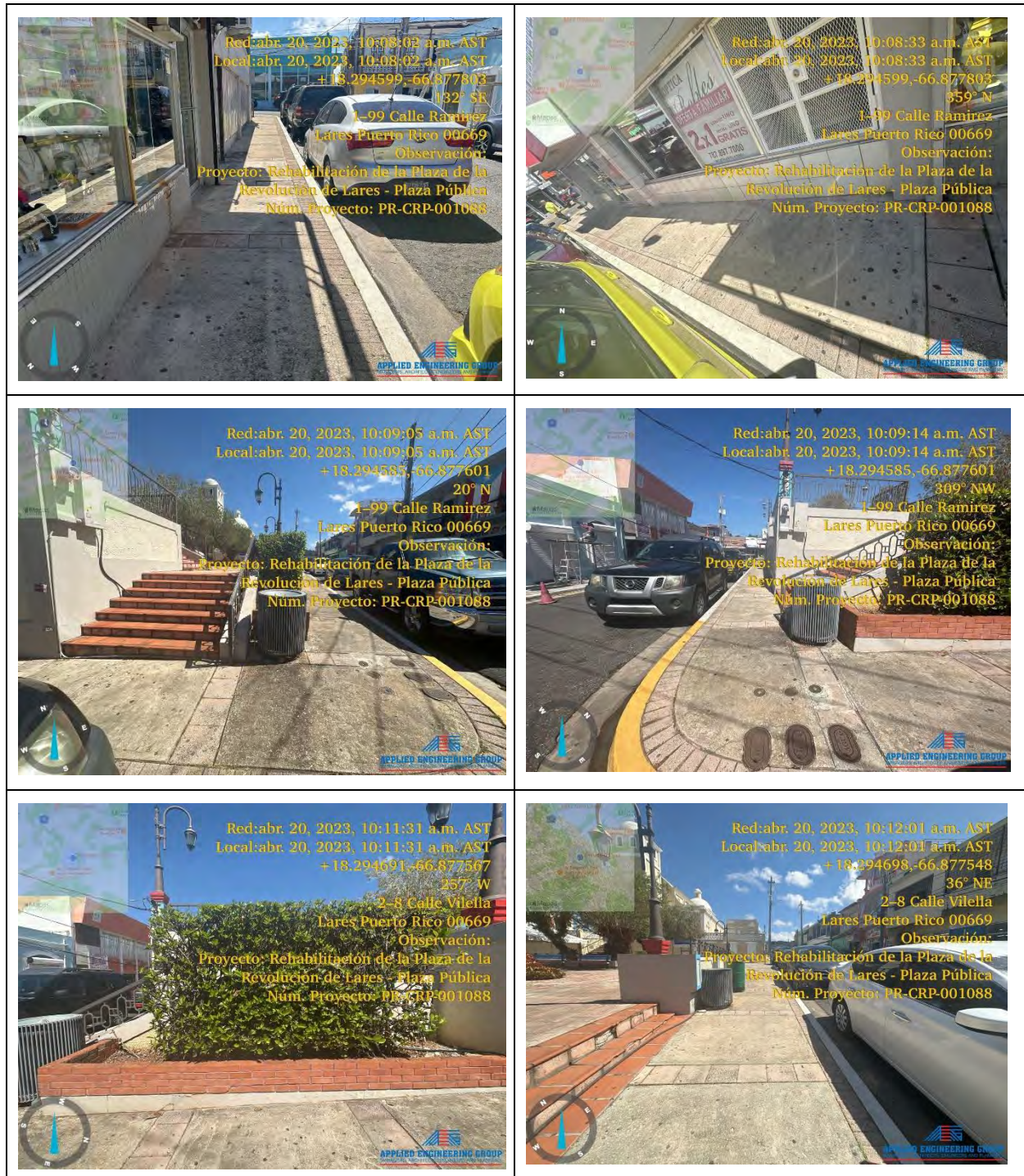


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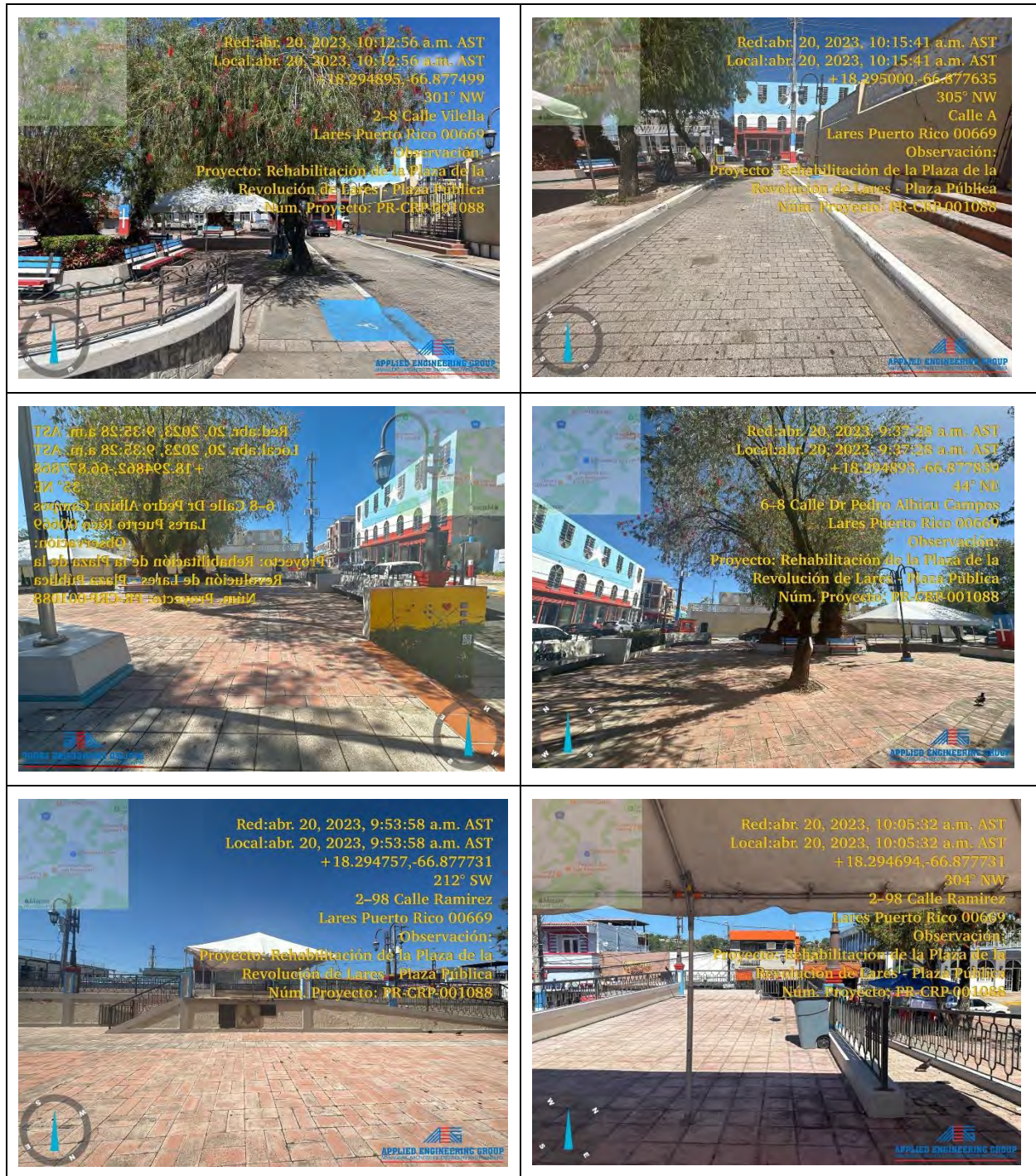


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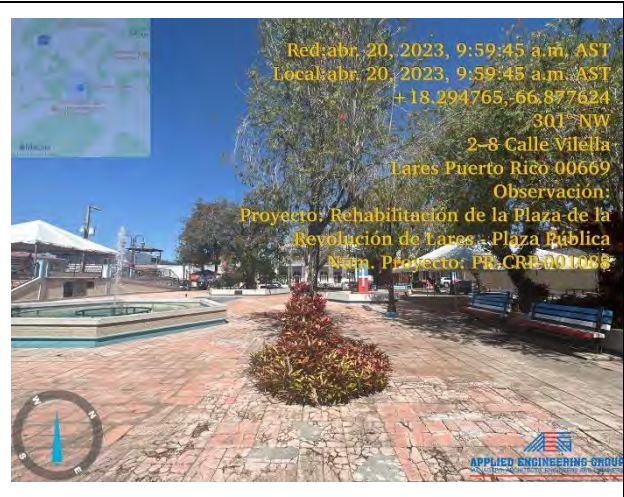


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