

**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:** Plaza de los Trovadores (PR-CRP-000758)

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

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

**State/Local Identifier:** Puerto Rico / Santa Isabela

**Preparer:** Annette M. Fernandez Rosario, PE, PA, IPV, LEED AP, NGBS Green Verifier, Environmental Consultant, AVA Environmental Consultants, Inc.

**Certifying Officer Name and Title:**

Aldo A. Rivera Vázquez - Director, Permits and Environmental Compliance Division  
Angel G. López Guzmán - Deputy Director, Permits and Environmental Compliance Division  
Maria T. Torres-Bregón - Permits and Environmental Compliance Manager  
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Javier Mercado Barrera - Permits and Environmental Compliance Specialist  
Pricilla Toro Rivera - Permits and Environmental Compliance Specialist

**Consultant** (if applicable): AVA Environmental Consultants, Inc.

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

**Project Location:**

Plaza: Dr. Velez Street 18-19, Esq. Pedro M. Descartes Street, Santa Isabel, Puerto Rico 00757 (17.9645°, -66.4025°). Cadaster number: 437-006-023-18-000, 437-006-023-17, and 437-006-023-15.

Staging area: Int. Ramon Emeterio Betances Street and PR-153 (17.965467°, -66.403801°). Cadaster number: 437-006-019-01.

**Description of the Proposed Project** [24 CFR 50.12 & 58.32; 40 CFR 1508.25]:

The Plaza de los Trovadores project site is situated in the Traditional Urban Center of the Municipality of Santa Isabel. It is located at the corner of Modesto Vélez Street and Pedro M. Descartes Street, at 17.9645°, -66.4025°, cadaster number: 437-006-023-18-000, 437-006-023-17, and 437-006-023-15. The Plaza is currently being used for small activities since it has a small stage area. However, it is in poor condition as a result of the extensive damage caused by Hurricanes Irma and María. The benches are rotten, and the stage area needs to be repainted, and several other upgrades are needed. To better integrate the site with its surrounding area and improve accessibility for ADA compliance, updates to the plaza access points are also needed.

The rehabilitation project entails the complete redesign of Plaza de los Trovadores and its green areas to create a distinct gathering place that caters to various community activities. Rehabilitation activities include the replacement of existing light fixtures with solar LED lights, a new concrete floor, concrete benches with artificial planting, new site furnishings, and replacement of the stage roof which hosts cultural events. The only structure in the plaza is the stage gazebo (ca. 2002) with a tiled hipped roof supported on simple round columns representing a popular expression of a Spanish-style type roof. seating areas will be shaded with the installation of custom-designed pergolas incorporating musical pentagram motifs. An interactive artistic installation will be incorporated into the lateral perimeter wall: a sculptural half of a Puerto Rican “cuatro” (a traditional string instrument), with the other half embedded into the pavement pattern. This installation will include push-button features allowing children and visitors to activate real cuatro sounds, creating a dynamic multisensory experience that is both visual and auditory, and which celebrates Puerto Rican heritage. ADA-compliant pedestrian ramps and sidewalk improvements are proposed to ensure universal accessibility.

Demolition work consists of the removal of 3,627.44 ft<sup>2</sup> (337 m<sup>2</sup>) of existing pavers, 333.681 ft<sup>2</sup> (31 m<sup>2</sup>) of existing planters, 742.7 ft<sup>2</sup> (69 m<sup>2</sup>) of sidewalks with a thickness of 6 in (0.15 m), 176.3 ft<sup>2</sup> (16.38 m<sup>2</sup>) of reinforced concrete low walls; 75.3 ft<sup>2</sup> (7.0 m<sup>2</sup>) of existing sculpture concrete base with a thickness of 6 in (0.15 m); and 1,119.5 ft<sup>2</sup> (104 m<sup>2</sup>) of urban furnishings, 17.4 ft<sup>2</sup> (1.62 m<sup>2</sup>) of Victorian lighting posts summing up to a total demolition area of 4,097 ft<sup>2</sup>

Overall, this project aims to significantly upgrade and renovate the plaza, transforming it into a modern and functional multi-use plaza. It will serve as a vital community asset, providing much-needed space for various public services and events. The plaza’s access will also be improved to ensure ADA compliance and better integration with the surrounding into the surrounding urban context and environment.

During the demolition and construction process, erosion and sedimentation control measures will be implemented to avoid sediment discharges into the storm sewer system. Controls to be installed include hay bales (or silt socks) on drainage structures, silt fence around the project limit, and implementation of a stabilized entrance, with truck washout station to avoid sediments track out into the streets. Staging and storage areas for construction materials will be protected with silt fence, or any other measure as needed. The staging area for the project will be located on a lot at the intersection of Ramon Emeterio Betances Street and PR-153.



## **Funding Information**

<b>Grant Number</b>	<b>HUD Program</b>	<b>Funding Amount</b>
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:** \$498,958.50

**Estimated Total Project Cost** (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$498,958.50

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

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

<b>Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6</b>	<b>Are formal compliance steps or mitigation required?</b>	<b>Compliance Determinations</b>
<b>STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 and 58.6</b>		
<b>Airport Hazards</b>  24 CFR Part 51 Subpart D	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	<p>The project is not located within an FAA-designated civilian airport Runway Protection Zone (RPZ), or Accident Potential Zone (APZ). The project is not within 15,000 feet of a military airport nor 2,500 feet of a civilian airport. The nearest airport is Mercedita International Airport in Ponce, approximately 10.6 miles to the west of the proposed project site.</p> <p>Written assurances from the airport operator have been obtained, and all necessary notifications have been made. Therefore, the project is in compliance with 24 C.F.R. Part 51, Subpart D.</p> <p>Refer to <b>Exhibit 1: Airport Hazards</b></p>
<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"/>	<p>The proposed project is not located within a Coastal Barrier Resources System (CBRS) area. The project location is outside the coastal zone limits and is not expected to affect natural resources, land uses, or water uses in the Puerto Rico coastal zone. The closest</p>

		<p>CBRS Unit is Punta Aguila (PR-49P), located approximately 0.79 miles south of the proposed project site. Therefore, this project has no potential to impact a CBRS Unit and is in compliance with the Coastal Barrier Resources Act.</p> <p>Refer to <b>Exhibit: 2 Coastal Barrier Resources</b></p>
<p><b>Flood Insurance</b></p> <p>Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The proposed project is not located within a floodplain. The project is located entirely within Zone X, outside of the Special Flood Hazard Area (SFHA), as designated by FEMA FIRM Panel number 72000C2060J, effective 11/18/2009. Therefore, the project does not require flood insurance in accordance with the Flood Disaster Protection Act of 1973 and the National Flood Insurance Reform Act of 1994. Documentation demonstrating the location outside the SFHA has been included. Therefore, the project is in compliance with 42 U.S.C. §§ 4001-4128 and 42 U.S.C. § 5154a.</p> <p>Refer to <b>Exhibit: 3 FEMA FIRMette</b></p>
<p><b>STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 &amp; 58.5</b></p>		
<p><b>Clean Air</b></p> <p>Clean Air Act, as amended, particularly section 176(c) &amp; (d); 40 CFR Parts 6, 51, 93</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The project is located in the Municipality of Santa Isabela in Puerto Rico, which is designated as an attainment area for all pollutant according to data obtained from the U.S. Environmental Protection Agency's (USEPA) Online Green Book on Nonattainment Areas for Criteria Pollutants.</p> <p>The proposed project does not involve activities that would significantly impact air quality or violate the Clean Air Act (CAA). The project consists of rehabilitation and modernization of an existing public plaza.</p> <p>During construction, the contractor must implement measures to prevent dust from becoming a nuisance to neighboring areas. Temporary emissions from construction activities, such as dust generation and vehicle exhaust, are expected to be minimal and localized. Best management practices (BMPs), including dust suppression measures and proper maintenance of construction equipment, will be implemented to reduce any temporary air quality impacts</p> <p>Therefore, the proposed project complies with the National Attaining Air Quality Standards (NAAQS). Due to its scope, no impact on air quality will be expected</p>

		<p>during its construction and operation. The proposed action complies with the Clean Air Act and 40 C.F.R. Parts 6, 51 and 93. No formal compliance steps or mitigation are required.</p> <p>Refer to <b>Exhibit 4: Air Quality</b></p>
<p><b>Coastal Zone Management</b></p> <p>Coastal Zone Management Act, sections 307(c) &amp; (d)</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The Puerto Rico Coastal Zone Management Program (PRCZMP) defines the coastal zone as extending 1,000 meters inland from the shoreline on the main island of Puerto Rico. Certain areas beyond this limit are also included when necessary to protect key coastal resources.</p> <p>The project is located outside the area identified as Coastal Zone Line Boundary, beyond the 1,000-meter buffer. The closest Coastal Zone Line Boundary is located approximately 0.15 miles southwest of the project. A CZMA consistency review by the Puerto Rico Planning Board is not required.</p> <p>Therefore, the project is in compliance with Section 307(c) and (d) of the Coastal Zone Management Act.</p> <p>Refer to <b>Exhibit 5: Coastal Zone Management</b></p>
<p><b>Contamination and Toxic Substances</b></p> <p>24 CFR Part 50.3(i) &amp; 58.5(i)(2)</p>	<p>Yes    No</p> <p><input type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>The subject property is an existing outdoor public plaza with no history of commercial use.</p> <p>A review of federal and local environmental databases confirms that the project site is not located within or near a contaminated site, hazardous materials facility, or toxic substance storage area. The EPA NEPAAssist tool, Puerto Rico Department of Natural and Environmental Resources (PRDNER) Contaminated Sites Inventory, and the EPA Superfund database were consulted to identify any potential contamination risks. No records of Superfund sites, leaking underground storage tanks (LUSTs), or brownfields were found in the vicinity of the proposed project site. The EPA NEPAAssist tool identified two air pollution facilities, eight hazardous waste facilities, two toxic release facilities, and one water discharger facility within 3,000 feet of the project site. However, there are no active violations at any these sites. Therefore, there will be no impact to the proposed project due to these facilities. The EPA UST Finder identified five facilities with underground storage tanks (USTs) within 3,000 feet of the propose project site. However, no releases were reported at any of these sites.</p>

		<p>According to PRSHPO records, the plaza was constructed ca. 2002. Based on the date of construction, the site is not expected to contain any lead-based paint (LBP) or asbestos-containing materials (ACM).</p> <p>The project is limited to the rehabilitation of a public outdoor plaza. The proposed project does not involve structures that are occupied or are intended to be occupied at least four (4) hours a day, as defined by HUD Notice CPD-23-103. Therefore, HUD radon requirements are not applicable and the project is exempt from radon testing.</p> <p>Therefore, the project is in compliance with 24 C.F.R. § 50.3(i) and § 58.5(i)(2).</p> <p>Refer to <b>Exhibit 6: Contamination and Toxic Substances</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 type="checkbox"/>    <input checked="" type="checkbox"/></p>	<p>PRDOH, as the Responsible Entity, is conducting due diligence to assess Federally Listed Threatened and Endangered Species, in accordance with the Endangered Species Act Section 7. This involves consulting the U.S. Fish and Wildlife Service (USFWS).</p> <p>A review of the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) tool confirms that the project would have No Effect on federally listed endangered or threatened species, critical habitats, or designated conservation areas. The proposed project area is not within any designated critical habitat. The IPaC tool identified the Puerto Rican Boa as potentially being present in the defined project location. However, the project site is located in an urbanized area with no sensitive ecosystems or undeveloped natural habitats, therefore reducing the likelihood of direct or indirect effects on protected species. Additionally, the project scope consists of rehabilitation and modernization within an existing public plaza.</p> <p>The proposed actions comply with the USFWS Blanket Clearance Letter, and a Self-Certification was prepared and submitted to USFWS for determination. The letter was reviewed and signed by USFWS on 7/17/2024.</p> <p>Therefore, the project is in compliance with the Endangered Species Act of 1973, particularly section 7; 50 C.F.R. Part 402.</p> <p>Refer to <b>Exhibit 7: Endangered Species</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 project does not involve development, construction, or rehabilitation that will increase residential density or conversion.</p> <p>No bulk fuel storage, high-pressure gas pipelines, chemical plants, or other hazardous facilities exist within the HUD-defined ASD threshold for this type of project. The project does not involve the handling, storage, or use of explosive or flammable materials and does not introduce any new hazardous risks to the surrounding area.</p> <p>Therefore, the Project is in compliance with the 24 C.F.R. Part 51 Subpart C.</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>The Farmland Protection Policy Act (FPPA) seeks to minimize the conversion of prime, unique, or important agricultural land to non-agricultural uses. The project site is not designated as farmland by the Natural Resources Conservation Service (NRCS) or the Puerto Rico Planning Board (JP).</p> <p>A review of the NRCS Web Soil Survey and Puerto Rico Land Classification Maps confirms that the site does not contain prime farmland, unique farmland, or land of statewide or local importance. Additionally, the project involves rehabilitation of an existing plaza and does not introduce any new development that would impact agricultural resources.</p> <p>Since the project site does not qualify as farmland under FPPA definitions, no consultation with NRCS or FPPA compliance measures are required. Therefore, the project is in compliance with the Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 C.F.R. Part 658.</p> <p>Refer to <b>Exhibit 8: Farmlands Protection</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 proposed project is not located within a floodplain. According to FEMA Panel 72000C2060J, (effective 11/18/2009), the project is located entirely within Zone X, or the Area of Minimal Flood Hazard. The proposed project area is also located entirely within Zone X according to the Advisory Base Flood Elevation (ABFE) map, effective 12/11/2018. The Preliminary FIRM is not available for the project area.</p> <p>The project will not undergo activities within a floodplain. Therefore, the Project is in compliance with Executive Order 11988.</p>

		Refer to <b>Exhibit 3: FEMA FIRMette and Advisory Base Flood Elevation Map</b>
<b>Historic Preservation</b>  National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	Yes    No <input checked="" type="checkbox"/> <input type="checkbox"/>	<p>The project was assessed for its potential effects on identified historic properties. This assessment considered direct, indirect, and cumulative impacts on the integrity and significance of the properties.</p> <p>Archaeologists Adam Kazmi and Dylan Zedaker (SOI-Qualified Archaeologist) and Esteli Capote and Richard Starzak (SOI-Qualified Architect/Architectural Historian) conducted historical archaeological and architectural evaluations for the property.</p> <p>The evaluation concluded that project actions will not affect the historic properties that compose the Area of Potential Effect (APE). No historic/eligible properties or archaeological sites within the APE or visual APE will be directly affected by the proposed project.</p> <p>Consultation with the SHPO and other consulting parties was conducted to discuss the findings and potential impacts. Public views and concerns about historic preservation issues were also considered. The consultation process resulted in a determination that the project will have no adverse effect on historic properties.</p> <p>In a letter dated July 9, 2025, the State Historic Preservation Office (SHPO) executive director Carlos A. Rubio Cancela indicates the following: “After a review of all the documentation, the SHPO concurs with your finding that the proposed project will have no adverse effect upon historic properties.”</p> <p>Therefore, the project is in compliance with the National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 C.F.R. Part 800.</p> <p>Refer to <b>Exhibit 9: Historic Preservation</b></p>
<b>Noise Abatement and Control</b>  Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B	Yes    No <input type="checkbox"/> <input checked="" type="checkbox"/>	<p>The project does not involve the development of noise-sensitive uses such as housing, schools, or healthcare facilities. The scope of work consists of rehabilitation and improvements within an existing public plaza, which is already subject to typical urban noise levels.</p> <p>Furthermore, the project site is not located within an FAA-designated airport noise exposure zone, nor is it within the immediate vicinity of major highways or railway corridors. Temporary noise impacts related to</p>

		<p>construction activities are expected but will be limited to standard daytime hours.</p> <p>Based on the project scope and location, the project is in compliance with the Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 C.F.R. Part 51, Subpart B.</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>The project is not located within a Sole Source Aquifer (SSA) designated by the U.S. Environmental Protection Agency (EPA). A review of the EPA Sole Source Aquifer database confirms that there are no federally designated SSAs in Puerto Rico.</p> <p>The nearest sole source aquifer is the Biscayne aquifer in Florida, located approximately 1,027.33 miles from the project site, eliminating any potential for adverse impacts. Since the project does not involve activities that could impact groundwater resources, no additional compliance steps, mitigation measures, or consultation with the EPA are required.</p> <p>Therefore, the project is in compliance with the Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 C.F.R. Part 149. Refer to <b>Exhibit 10: Sole Source Aquifers</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>A desktop study included a review of the National Wetlands Inventory (NWI) map. According to the NWI map, the proposed project is not located within or adjacent to any wetlands. The project area is already developed and no work is proposed outside of the existing plaza. No mitigation measures or implementation of the 8-Step Process are required.</p> <p>Based on these findings, the project complies with the requirements of Executive Order 11990, particularly sections 2 and 5.</p> <p>Refer to <b>Exhibit 11: Wetlands Protection</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>The project site is not located within proximity to any designated Wild and Scenic River, Study River, or Nationwide Rivers Inventory (NRI) River. A review of the National Wild and Scenic Rivers System database confirms that there are no designated or study rivers in the project area.</p> <p>Puerto Rico has approximately 5,385 river miles. Only 8.9 miles of three rivers are designated as wild and scenic. The closest wild and scenic river (Rio Icacos) is</p>

		in the Yunque Rainforest, approximately 47 miles northeast of the project site. Therefore, the project is in compliance with Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c).  Refer to <b>Exhibit 12: Wild and Scenic Rivers</b>
<b>ENVIRONMENTAL JUSTICE</b>		
<b>Environmental Justice</b>  Executive Order 12898	Yes    No <input type="checkbox"/> <input type="checkbox"/>	On January 21, 2025, President Donald Trump issued the Executive Order 14173 titled "Ending Illegal Discrimination and Restoring Merit-Based Opportunity", which revoked Executive Order 12898 and eliminated federal mandates requiring agencies to assess environmental justice impacts. Consequently, there is no longer a federal requirement to address environmental justice concerns in the environmental compliance review process.

**Field Inspection** (Date and completed by): Field visit conducted by Cristina Montenegro Torres and Maritza Torres Martinez on 4/30/2023.

**Summary of Findings and Conclusions:** The proposed project involves improvements to a public outdoor plaza in the municipality of Santa Isabel, Puerto Rico. The Plaza de los Trovadores is in poor condition as a result of the extensive damage caused by Hurricanes Irma and María. The proposed project will completely redesign the Plaza de los Trovadores and its green areas to create a distinct gathering place that caters to various community activities and will improve accessibility for ADA compliance.

Mitigation measures will include standard construction best management practices (BMPs) to minimize impacts to air quality and any offsite wetlands. These BMPs will include controls for fugitive dust, emissions, erosion, and sedimentation.

#### **Mitigation Measures and Conditions [40 CFR 1505.2(c)]**

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.

<b>Law, Authority, or Factor</b>	<b>Mitigation Measure</b>
Clean Air	Contractors will be required to implement best management practices (BMPs) during construction to reduce potential impacts related to air pollution from sources such as fugitive dust and heavy equipment/power generator emissions.



Historic Preservation	<p>SHPO consultation was necessary to evaluate potential effects on identified historic properties. The evaluation concluded that project actions will not affect the historic properties that compose the Area of Potential Effect (APE). No historic/eligible properties or archaeological sites within the APE or visual APE will be directly affected by the proposed project.</p> <p>In a letter dated July 9, 2025, the State Historic Preservation Office (SHPO) executive director Carlos A. Rubio Cancela indicates the following: "After a review of all the documentation, the SHPO concurs with your finding that the proposed project will have no adverse effect upon historic properties. Please note that should the Agency discover other historic properties at any point during project implementation, you should notify the SHPO immediately."</p>
Wetland Protection	Standard Construction BMPs would be used to control erosion, sedimentation, and runoff during construction.

**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: Tanner Melendez Date: 7/15/2025

Name/Title/Organization: Tanner Melendez / Environmental Planner / ICF

Certifying Officer Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name/Title: Santa D. Ramírez Lebrón / 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 Exhibits

1	Airport Hazards
2	Coastal Barrier Resources
3	FEMA FIRMette and Advisory Base Flood Elevation Map
4	Air Quality
5	Coastal Zone Management
6	Contamination and Toxic Substances
7	Endangered Species
8	Farmland Protection
9	Historic Preservation
10	Sole Source Aquifers
11	Wetlands Protection
12	Wild and Scenic Rivers

# **Exhibit 1: Airport Hazards**

Plaza de los Trovadores  
 PR-CRP-000758  
 Municipality of Santa Isabel  
 Dr. Velez Street 18-19, Esq. Pedro M. Descartes Street  
 17.9645°, -66.4025°



May 3, 2023

- Staging Area
- Plaza de los Trovadores
- Project Buffer 2,500 ft and 15,000 ft
- Airport Polygons
- Airport Points



1:144,448  
 0 1 2 4 mi  
 0 1.75 3.5 7 km  
 Earthstar Geographics, Kadaster Netherlands, Esri, HERE, Garmin, Foursquare, SafeGraph, GeoTechnologies, Inc, METNUSA, USGS, NPS,



May 3, 2023

- Project Buffer 2,500 ft and 15,000 ft
- Airport Polygons
- Plaza de los Trovadores
- Staging Area
- Airport Points



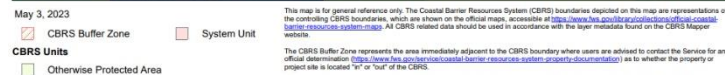
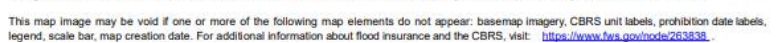
1:155,581  
 0 5 10 20 mi  
 0 15 30 60 km  
 Earthstar Geographics, Esri, HERE, Garmin, Foursquare, SafeGraph, FAO, METNUSA, USGS, NPS, EPA/DOI

Source: <https://nepassisttool.epa.gov/nepassist/nepamap.aspx>,  
 Company: AVA Environmental Consultants, Inc.

# **Exhibit 2:**

# **Coastal Barrier Resources**

17.9645°, -66.4025°



Company: AVA Environmental Consultants, Inc.

**Exhibit 3:**  
**FEMA FIRMette and**  
**Advisory Base Flood**  
**Elevation Map**



Plaza de los Trovadores  
PR-CRP-000758  
Municipality of Santa Isabel  
Dr. Velez Street 18-19, Esq. Pedro M. Descartes Street  
17.9645°, -66.4025°

## National Flood Hazard Layer FIRMette



### Legend

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

<b>SPECIAL FLOOD HAZARD AREAS</b>	Without Base Flood Elevation (BFE) Zone A, V, A99
	With BFE or Depth Zone AE, AO, AH, VE, AR
	Regulatory Floodway
<b>OTHER AREAS OF FLOOD HAZARD</b>	0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
	Future Conditions 1% Annual Chance Flood Hazard Zone X
	Area with Reduced Flood Risk due to Levee. See Notes, Zone X
	Area with Flood Risk due to Levee Zone D
<b>OTHER AREAS</b>	NO SCREEN Area of Minimal Flood Hazard Zone X
	Effective LOMRs
	Area of Undetermined Flood Hazard Zone D
<b>GENERAL STRUCTURES</b>	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall
<b>OTHER FEATURES</b>	Cross Sections with 1% Annual Chance Water Surface Elevation
	Coastal Transect
	Base Flood Elevation Line (BFE)
	Limit of Study
	Jurisdiction Boundary
	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature
<b>MAP PANELS</b>	Digital Data Available
	No Digital Data Available
	Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/3/2023 at 3:10 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.

SITE    STAGING AREA

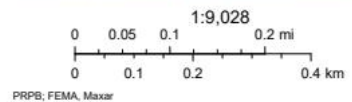
Source: <https://hazards-fema.maps.arcgis.com/apps/webappviewer/index.html?id=8b0adb51996444d4879338b5529aa9cd>;  
<https://sige.pr.gov/portal/apps/webappviewer/index.html?id=53ed4b9fa37840a88bb44d2a911512fc>  
Company: AVA Environmental Consultants, Inc.

Plaza de los Trovadores  
PR-CRP-000758  
Municipality of Santa Isabel  
Dr. Velez Street 18-19, Esq. Pedro M. Descartes Street  
17.9645°, -66.4025°

### Mapa Niveles de Inundación Base Recomendados



5/3/2023, 3:08:13 PM



Junta de Planificación, FEMA  
Maxar | PRPB; FEMA | Junta de Planificación. Programa de Sistema de Información Geográfica |

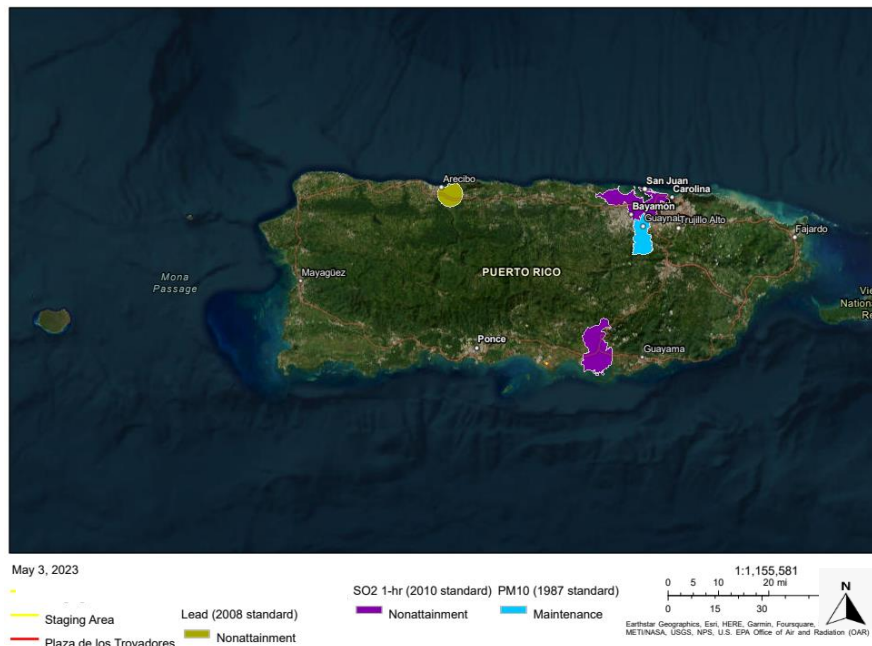
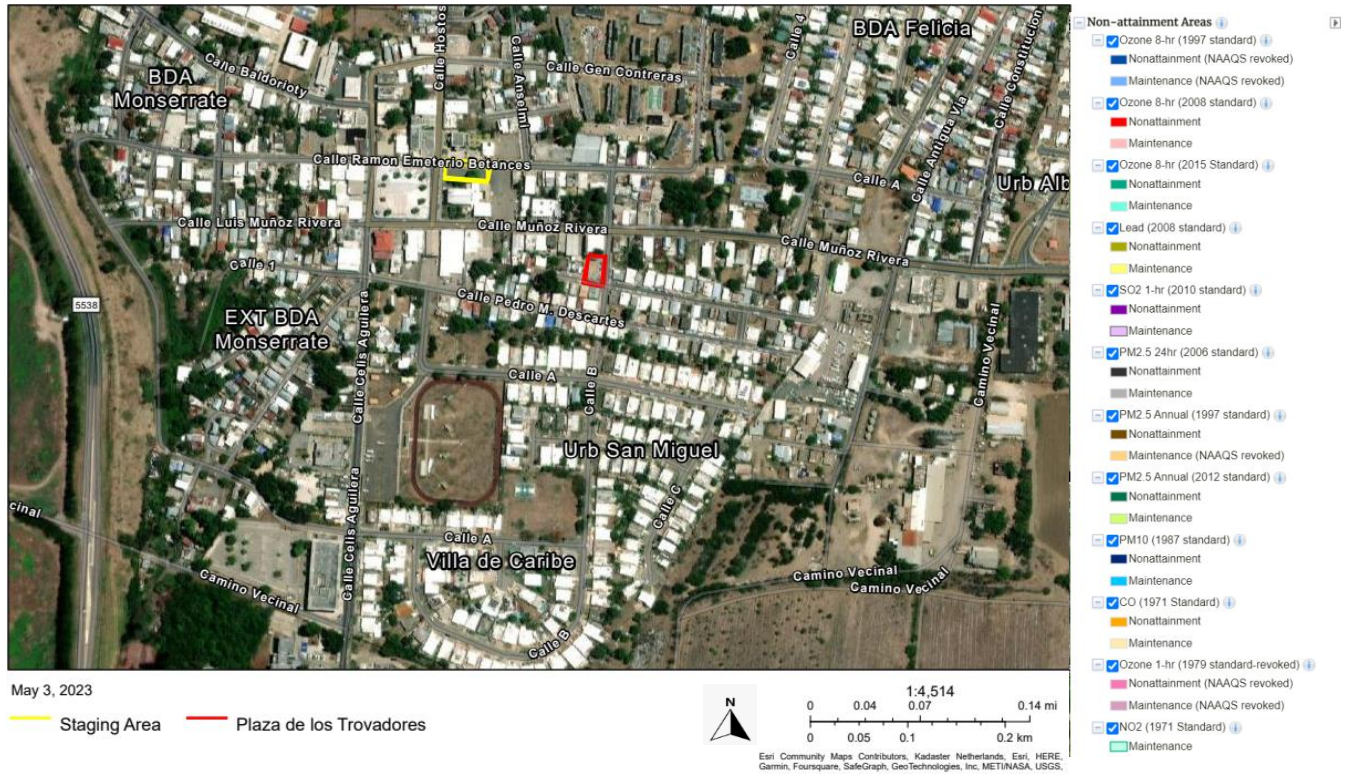
□ SITE    □ STAGING AREA

Source: <https://hazards-fema.maps.arcgis.com/apps/webappviewer/index.html?id=8b0adb51996444d4879338b5529aa9cd>;  
<https://sige.pr.gov/portal/apps/webappviewer/index.html?id=53ed4b9fa37840a88bb44d2a911512fc>  
Company: AVA Environmental Consultants, Inc.

# **Exhibit 4: Air Quality**



Plaza de los Trovadores  
PR-CRP-000758  
Municipality of Santa Isabel  
CDr. Velez Street 18-19, Esq. Pedro M. Descartes Street  
17.9645°, -66.4025°





You are here: EPA Home > Green Book > >National Area and County-Level Multi-Pollutant Information >Puerto Rico Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants

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

Data is current as of May 31, 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

Important Notes

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

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	<input type="text"/> 1 <input type="text"/> 1 <input type="text"/> 1 <input type="text"/> 12 <input type="text"/> 13 <input type="text"/> 14 <input type="text"/> 15 <input type="text"/> 16 <input type="text"/> 17 <input type="text"/> 18 <input type="text"/> 19 <input type="text"/> 20 <input type="text"/> 21 <input type="text"/> 22 <input type="text"/> 23 <input type="text"/> 24 <input type="text"/> 25	//		Part	32,185	72/013
Bayamon Municipio	Sulfur Dioxide (2010)	San Juan, PR	<input type="text"/> 1 <input type="text"/> 1 <input type="text"/> 1 <input type="text"/> 18 <input type="text"/> 19 <input type="text"/> 20 <input type="text"/> 21 <input type="text"/> 22 <input type="text"/> 23 <input type="text"/> 24 <input type="text"/> 25	//		Part	22,921	72/021
Catano Municipio	Sulfur Dioxide (2010)	San Juan, PR	<input type="text"/> 1 <input type="text"/> 1 <input type="text"/> 1 <input type="text"/> 18 <input type="text"/> 19 <input type="text"/> 20 <input type="text"/> 21 <input type="text"/> 22 <input type="text"/> 23 <input type="text"/> 24 <input type="text"/> 25	//		Whole	28,140	72/033
Guaynabo Municipio	PM-10 (1987)	Mun. of Guaynabo, PR	929394959697989900010203040506070809 <input type="text"/>	02/11/2010	Moderate	Part	90,470	72/061
Guaynabo Municipio	Sulfur Dioxide (2010)	San Juan, PR	<input type="text"/> 1 <input type="text"/> 1 <input type="text"/> 1 <input type="text"/> 18 <input type="text"/> 19 <input type="text"/> 20 <input type="text"/> 21 <input type="text"/> 22 <input type="text"/> 23 <input type="text"/> 24 <input type="text"/> 25	//		Part	23,802	72/061
Salinas Municipio	Sulfur Dioxide (2010)	Guayama-Salinas, PR	<input type="text"/> 1 <input type="text"/> 1 <input type="text"/> 1 <input type="text"/> 18 <input type="text"/> 19 <input type="text"/> 20 <input type="text"/> 21 <input type="text"/> 22 <input type="text"/> 23 <input type="text"/> 24 <input type="text"/> 25	//		Part	23,401	72/123
San Juan Municipio	Sulfur Dioxide (2010)	San Juan, PR	<input type="text"/> 1 <input type="text"/> 1 <input type="text"/> 1 <input type="text"/> 18 <input type="text"/> 19 <input type="text"/> 20 <input type="text"/> 21 <input type="text"/> 22 <input type="text"/> 23 <input type="text"/> 24 <input type="text"/> 25	//		Part	147,963	72/127
Toa Baja Municipio	Sulfur Dioxide (2010)	San Juan, PR	<input type="text"/> 1 <input type="text"/> 1 <input type="text"/> 1 <input type="text"/> 18 <input type="text"/> 19 <input type="text"/> 20 <input type="text"/> 21 <input type="text"/> 22 <input type="text"/> 23 <input type="text"/> 24 <input type="text"/> 25	//		Part	52,441	72/137

Important Notes

Discover.

Connect.

Ask.

Follow.

# **Exhibit 5:**

## **Coastal Zone Management**



Plaza de los Trovadores  
PR-CRP-000758  
Municipality of Santa Isabel  
Dr. Velez Street 18-19, Esq. Pedro M. Descartes Street  
17.9645°, -66.4025°



**Legend**  Coastal Zone Land Boundary  Site  Staging Area



Source: <https://drnapmzc.maps.arcgis.com/apps/MapTools/index.html?appid=e9e1788520a74242852b03494e739ea4>  
AVA Environmental Consultants, Inc.

**Exhibit 6:**  
**Contamination and Toxic**  
**Substances**














# PR-CRP-000758 EPA Facilities Map

Address: Dr. Velez Street 18-19, Esq. Pedro M. Descartes Street, Santa Isabel, Puerto Rico 00757

Coordinates: 17.9645°, -66.4025°



June 9, 2025

- |  |  |  |   |
|--|--|--|---|
|  Water Dischargers (NPDES) |  Toxic Releases (TRI)       |  Hazardous Waste (RCRAInfo) |  Project Area          |
|  Water Dischargers (NPDES) |  Toxic Releases (TRI)       |  Staging Area               |  Search Result (point) |
|  Air Pollution (ICIS-AIR)  |  Hazardous Waste (RCRAInfo) |  Project Buffer             |   |

1:18,056

0 0.13 0.25 0.5 mi

0 0.23 0.45 0.9 km

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



# Detailed Facility Report

## Facility Summary

**DYETEX PR, INC.**

**CARR 538 & CALLE A, SANTA ISABEL, PR 00757**

**FRS (Facility Registry Service) ID:** 110007813679

**EPA Region:** 02

**Latitude:** 17.968882

**Longitude:** -66.401556

**Locational Data Source:** FRS

**Industries:** Textile Mills

**Indian Country:** N

## Enforcement and Compliance Summary

Statute	CAA
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)	--
Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	08/21/1997
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):** Operating Minor (PR0000007213300019)

**Clean Water Act (CWA):** No Information

## Other Regulatory Reports

**Air Emissions Inventory (EIS):** No Information

**Greenhouse Gas Emissions (eGGRT):** No Information

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

## Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007813679					N	17.968882	-66.401556
ICIS-Air	CAA	PR0000007213300019	Minor Emissions	Operating	CAASIP		N	17.968889	-66.401556
RCRAInfo	RCRA	PRN008003451	Other	Inactive ( )			N		

### Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007813679	DYETEX PR, INC.	CARR 538 & CALLE A, SANTA ISABEL, PR 00757	Santa Isabel Municipio
ICIS-Air	CAA	PR0000007213300019	DYETEX PR, INC.	SANTA ISABEL INDUSTRIAL PARK, SANTA ISABEL, PR 00757	Santa Isabel Municipio
RCRAInfo	RCRA	PRN008003451	DYE TEX PUERTO RICO INC	RD 558 A ST, SANTA ISABEL, PR 00757	Santa Isabel Municipio

### Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
ICIS-Air	PR0000007213300019	2259	Knitting Mills

### Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
ICIS-Air	PR0000007213300019	313310	Textile and Fabric Finishing Mills

## Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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No data records returned

## 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

<<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
CAA	PR0000007213300019	No	06/07/2025	0	06/06/2025
RCRA	PRN008003451	No	06/07/2025	0	06/06/2025

### Three-Year Compliance History by Quarter

[illegible][illegible]

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)
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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
-----------------	------	---------------	--------------------------	--	------------------------	------------------	------------------------	--------------------------

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	4,758	Children 5 years and younger	161 (3%)
Population Density	2,137/sq.mi.	Minors 17 years and younger	831 (17%)
Housing Units in Area	2,419	Adults 18 years and older	3,927 (83%)
Percent People of Color	100%	Seniors 65 years and older	1,151 (24%)
Households in Area	1,878	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Households on Public Assistance	106	White	1,345 (28%)
Persons With Low Income	3,856		

General Statistics (ACS (American Community Survey))	
Percent With Low Income	81%
Geography	
Radius of Selected Area	1 mi.
Center Latitude	17.968882
Center Longitude	-66.401556
Total Area	--
Land Area	71%
Water Area	29%
Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	791 (42.14%)
\$15,000 - \$25,000	449 (23.92%)
\$25,000 - \$50,000	389 (20.72%)
\$50,000 - \$75,000	166 (8.84%)
Greater than \$75,000	82 (4.37%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
African-American	845 (18%)
Hispanic-Origin	4,758 (100%)
Asian	0 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	20 (0%)
Other/Multiracial	237 (5%)
Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	302 (8.63%)
9th through 12th Grade	164 (4.68%)
High School Diploma	1,413 (40.36%)
Some College/2-year	500 (14.28%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	859 (24.54%)





# Detailed Facility Report

## Facility Summary

**ESSO STANDARD OIL CO PR CO-429**

**71 BALDORIOTY CALLE, SANTA ISABEL, PR 00757**

**FRS (Facility Registry Service) ID:** 110023047059

**EPA Region:** 02

**Latitude:** 17.96792

**Longitude:** -66.40833

**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):** Inactive Other, (PRR000017939)

**Safe Drinking Water Act (SDWA):** No Information

## Other Regulatory Reports

**Air Emissions Inventory (EIS):** No Information

**Greenhouse Gas Emissions (eGGRT):** No Information

**Toxic Releases (TRI):** No Information

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

Go To Enforcement/Compliance Details

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

## Facility/System Characteristics

### Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110023047059					N	17.96792	-66.40833
RCRAInfo	RCRA	PRR000017939	Other	Inactive ( )			N		

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110023047059	ESSO STANDARD OIL CO PR CO-429	71 BALDORIOTY CALLE, SANTA ISABEL, PR 00757	Santa Isabel Municipio
RCRAInfo	RCRA	PRR000017939	ESSO STANDARD OIL CO PR CO-429	71 BALDORIOTY CALLE, SANTA ISABEL, PR 00757	Santa Isabel 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	PRR000017939	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	PRR000017939	No	06/07/2025	0	06/06/2025

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: PRR000017939)		07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	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	5,225	Children 5 years and younger	209 (4%)
Population Density	2,187/sq.mi.	Minors 17 years and younger	980 (19%)
Housing Units in Area	2,680	Adults 18 years and older	4,245 (81%)
Percent People of Color	100%	Seniors 65 years and older	1,211 (23%)
Households in Area	2,066		
Households on Public Assistance	122	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	4,222	White	1,556 (30%)
Percent With Low Income	81%	African-American	945 (18%)
		Hispanic-Origin	5,224 (100%)
		Asian	0 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	20 (0%)
		Other/Multiracial	237 (5%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	353 (9.36%)
Center Latitude	17.96792	9th through 12th Grade	178 (4.72%)
Center Longitude	-66.40833	High School Diploma	1,487 (39.44%)
Total Area	--	Some College/2-year	534 (14.16%)
Land Area	77%	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	903 (23.95%)
Water Area	23%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	899 (43.47%)		
\$15,000 - \$25,000	484 (23.4%)		
\$25,000 - \$50,000	430 (20.79%)		
\$50,000 - \$75,000	177 (8.56%)		
Greater than \$75,000	78 (3.77%)		





# Detailed Facility Report

## Facility Summary

**FONTANEZ SERVICE STATION**

**104 MUNOZ RIVERA, SANTA ISABEL, PR 00757**

**FRS (Facility Registry Service) ID:** 110004890994

**EPA Region:** 02

**Latitude:** 17.964845

**Longitude:** -66.400527

**Locational Data Source:** RCRAINFO

**Industries:** --

**Indian Country:** N

## Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	02/20/1997
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

## Regulatory Information

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

**Clean Water Act (CWA):** No Information

**Resource Conservation and Recovery Act (RCRA):** Inactive Other, (PRO007001589)

**Safe Drinking Water Act (SDWA):** No Information

## Other Regulatory Reports

**Air Emissions Inventory (EIS):** No Information

**Greenhouse Gas Emissions (eGGRT):** No Information

**Toxic Releases (TRI):** No Information

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

Go To Enforcement/Compliance Details

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

## Facility/System Characteristics

### Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110004890994					N	17.964845	-66.400527
RCRAInfo	RCRA	PRO007001589	Other	Inactive ( )			N	17.964845	-66.400527

## Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004890994	FONTANEZ SERVICE STATION	104 MUNOZ RIVERA, SANTA ISABEL, PR 00757	Santa Isabel Municipio
RCRAInfo	RCRA	PRO007001589	FONTANEZ SERVICE STATION	104 MUNOZ RIVERA, SANTA ISABEL, PR 00757	Santa Isabel Municipio

## Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
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No data records returned

## Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
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No data records returned

## Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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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
RCRA	PRO007001589	No	06/07/2025	0	06/06/2025

## 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: PRO007001589)	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation											
	Agency											

## 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?
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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/dfr-data-dictionary#demographic>>.

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	4,584	Children 5 years and younger	143 (3%)
Population Density	2,100/sq.mi.	Minors 17 years and younger	776 (17%)
Housing Units in Area	2,321	Adults 18 years and older	3,809 (83%)
Percent People of Color	100%	Seniors 65 years and older	1,128 (25%)
Households in Area	1,808	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Households on Public Assistance	101	White	1,266 (28%)
Persons With Low Income	3,718	African-American	808 (18%)
Percent With Low Income	81%	Hispanic-Origin	4,584 (100%)
Geography		Asian	0 (0%)
Radius of Selected Area	1 mi.	Hawaiian/Pacific Islander	0 (0%)
Center Latitude	17.964845	American Indian	20 (0%)
Center Longitude	-66.400527	Other/Multiracial	237 (5%)
Total Area	--	Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Land Area	70%	Less than 9th Grade	283 (8.33%)
Water Area	30%	9th through 12th Grade	159 (4.68%)
Income Breakdown (ACS (American Community Survey)) - Households (%)		High School Diploma	1,385 (40.75%)
Less than \$15,000	752 (41.57%)	Some College/2-year	487 (14.33%)
\$15,000 - \$25,000	436 (24.1%)	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	843 (24.8%)
\$25,000 - \$50,000	375 (20.73%)		
\$50,000 - \$75,000	163 (9.01%)		
Greater than \$75,000	83 (4.59%)		



# Detailed Facility Report

## Facility Summary

**HAMILTON SUNDSTRAND DE PUERTO RICO, INC.**

**FELICIA INDUSTRIAL PARK, SANTA ISABEL, PR 00757**

**FRS (Facility Registry Service) ID:** 110042087256

**EPA Region:** 02

**Latitude:** 17.960035

**Longitude:** -66.405047

**Locational Data Source:** RCRAINFO

**Industries:** Transportation Equipment Manufacturing

**Indian Country:** N

## Enforcement and Compliance Summary

Statute	CAA
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)	1
Penalties from Formal Enforcement Actions (5 years)	\$200,000
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--
Statute	CWA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Statute	RCRA
Compliance Monitoring Activities (5 years)	1
Date of Last Compliance Monitoring Activity	01/10/2024
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	1
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	1
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):** Operating Minor (PR0000007213300009)  
**Clean Water Act (CWA):** Non-Major, Permit Effective (PRNOEJ00B)  
**Resource Conservation and Recovery Act (RCRA):** Active LQG, (PRD987380078)  
**Safe Drinking Water Act (SDWA):** No Information

## Other Regulatory Reports

**Air Emissions Inventory (EIS):** No Information  
**Greenhouse Gas Emissions (eGGRT):** No Information  
**Toxic Releases (TRI):** 00757SNDSTRD537  
**Compliance and Emissions Data Reporting Interface (CEDRI):** No Information

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

### Facility/System Characteristics

## Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110042087256					N	17.960035	-66.405047
ICIS-Air	CAA	PR0000007213300009	Minor Emissions	Operating	CAAMACT		N	17.960028	-66.405056
ICIS-NPDES	CWA	PRNOEJ00B	Non-Major: General Permit Covered Facility	Effective	Industrial Stormwater	02/21/2029	N	17.9585	-66.4031
TRI	EP313	00757SNDSTRD537	Toxics Release Inventory	Last Reported for 2023			N	17.960035	-66.405047
RCRAInfo	RCRA	PRD987380078	LQG	Active (H)			N	17.960035	-66.405047

## Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110042087256	HAMILTON SUNDSTRAND DE PUERTO RICO, INC.	FELICIA INDUSTRIAL PARK, SANTA ISABEL, PR 00757	Santa Isabel Municipio
ICIS-Air	CAA	PR0000007213300009	COLLINS AEROSPACE (HAMILTON SUNDSTRAND)	PR-538, KM. 0.7, SANTA ISABEL, PR 00757	Santa Isabel Municipio
ICIS-NPDES	CWA	PRNOEJ00B	HAMILTON SUNDSTRAND DE PUERTO RICO, INC.	FELICIA INDUSTRIAL PARK, SANTA ISABEL, PR 00757	Santa Isabel Municipio
TRI	EP313	00757SNDSTRD537	HAMILTON SUNDSTRAND DE PUERTO RICO INC.	RD 538 KM 0.7 FELICIA INDUSTRIAL PARK, SANTA ISABEL, PR 00757	Santa Isabel Municipio
RCRAInfo	RCRA	PRD987380078	HAMILTON SUNDSTRAND DE PUERTO RICO, INC.	FELICIA INDUSTRIAL PARK STREET B LOT 9, SANTA ISABEL, PR 00757	Santa Isabel Municipio

## Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
TRI	00757SNDSTRD537	3621	Motors And Generators
TRI	00757SNDSTRD537	3677	Electronic Coils And Transformers
TRI	00757SNDSTRD537	3679	Electronic Components
TRI	00757SNDSTRD537	3728	Aircraft Parts And Equipment
ICIS-Air	PR0000007213300009	9999	Nonclassifiable Establishments
ICIS-NPDES	PRNOEJ00B	3728	Aircraft Parts And Equipment

## Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
TRI	00757SNDSTRD537	336413	Other Aircraft Parts and Auxiliary Equipment Manufacturing
ICIS-Air	PR0000007213300009	336413	Other Aircraft Parts and Auxiliary Equipment Manufacturing
RCRAInfo	PRD987380078	336413	Other Aircraft Parts and Auxiliary Equipment Manufacturing

## Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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No data records returned

## Facility Industrial Effluent Guidelines

Identifier	Effluent Guideline (40 CFR Part)	Effluent Guideline Description
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No data records returned

## RCRA (Hazardous Waste (Resource Conservation and Recovery Act ) Compliance Pipeline (Compliance Monitoring → Violations → Enforcement Actions) (10 Years)

Compliance Monitoring				Violations				Enforcement Actions			
Source ID	Compliance Monitoring Type	Compliance Monitoring Agency	Compliance Monitoring Date	Violation Type	Violation Agency	Violation Determined Date	Return to Compliance Date	Enforcement Type	Enforcement Action Date	Penalty Assessed	Comp Action Cost
PRD987380078	Compliance Evaluation Inspection	EPA	01/10/2024	262.M: Preparedness, Prevention, and Emergency Procedures	EPA	01/10/2024	02/28/2024	Written Informal	02/01/2024	--	--
				262.M: Preparedness, Prevention, and Emergency Procedures							
				262.M: Preparedness, Prevention, and Emergency Procedures							
				262.M: Preparedness, Prevention, and Emergency Procedures							
PRD987380078	Non-Financial Record Review	EPA	04/28/2021	No Violation Identified	--	--	--				
PRD987380078	Compliance Evaluation Inspection	EPA	06/21/2016	No Violation Identified	--	--	--				

## Compliance Monitoring History

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
CAA	PR0000007213300009	ICIS-Air	Inspection/Evaluation	PCE On-Site	EPA	02/02/2024	
RCRA	PRD987380078	RCRAInfo/ICIS	Inspection/Evaluation	Compliance Evaluation Inspection	EPA	01/10/2024	Violations Or Compliance Issues Were Found
RCRA	PRD987380078	RCRAInfo/ICIS	Offsite Record Review	Non-Financial Record Review	EPA	04/28/2021	No Violations Or Compliance Issues Were Found

## 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
CAA	PR0000007213300009	No	06/07/2025	0	06/06/2025
CWA	PRNOEJ00B	No	12/31/2024	0	06/06/2025
RCRA	PRD987380078	No	06/07/2025	1	06/06/2025

### 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
CAA (Source ID: PR0000007213300009)					07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status				No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	HPV History														
	Violation Type	Agency	Programs	Pollutants											
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: PRNOEJ00B)					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				No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Quarterly Noncompliance Report History														
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: PRD987380078)					07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status				No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency													

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	262.M: Preparedness, Prevention, and Emergency Procedures	EPA							01/10/2024-02/28/2024				
RCRA	262.M: Preparedness, Prevention, and Emergency Procedures	EPA							01/10/2024-02/28/2024				
RCRA	262.M: Preparedness, Prevention, and Emergency Procedures	EPA							01/10/2024-02/28/2024				

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
RCRA	RCRAInfo	PRD987380078	WRITTEN INFORMAL	EPA	02/01/2024

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
CAA	ICIS-Air	111	AIR/PR0000007213300009	Administrative - Formal	02-2022-1207	EPA	Hamilton Sundstrand de Puerto Rico Inc.	07/12/2022	1	07/12/2022	\$200,000	\$0	--	\$0	\$0

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?
210100040413	Coastal Watersheds East of Rio Coamo mouth	--	No	No	--	Yes

Assessed Waters From Latest State Submission (ATTAINS)

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

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers
00757SNDSTRD537	2023	--	--	0	--	--	0	40,665
00757SNDSTRD537	2022	--	--	0	--	--	0	42,590
00757SNDSTRD537	2021	--	--	0	--	--	0	38,911
00757SNDSTRD537	2020	--	--	0	--	--	0	37,424
00757SNDSTRD537	2019	0	--	0	--	--	0	52,943
00757SNDSTRD537	2018	0	--	0	--	--	0	32,002
00757SNDSTRD537	2017	--	--	0	--	--	0	35,096

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
00757SNDSTRD537	2016	0	--	0	--	--	0	21,275
00757SNDSTRD537	2015	0	--	0	--	--	0	21,223
00757SNDSTRD537	2014	0	--	0	--	--	0	7,553

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

Chemical Name	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Cobalt	18,424	17,972	21,670	16,796	22,746	17,294	15,701	8,536	9,314	1,970
Copper	18,464	19,977	13,809	16,794	26,733	12,621	16,169	9,977	6,422	--
Copper compounds	--	--	--	--	--	--	--	--	--	599
Diisocyanates	--	--	--	--	0	0	--	0	0	0
Lead	3,777	4,640	3,432	3,834	3,464	2,087	3,226	2,762	5,487	4,984

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

DMR and TRI Multi-Year Loading Report

Pollutant Loadings

NPDES ID	Description
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No data records returned

e-Manifest Hazardous Waste History (Public)

Hazardous Waste Shipped in Kilograms by Year (Through 3/8/2025)

Source ID	Waste Description	2022	2023	2024	2025
PRD987380078	Hazardous Waste	27,373	29,161	54,465	4,149
PRD987380078	Acute Hazardous Waste	0	0	0	0
PRD987380078	Pharmaceutical Hazardous Waste	0	0	0	0

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

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	4,719	Children 5 years and younger	155 (3%)
Population Density	2,142/sq.mi.	Minors 17 years and younger	823 (17%)
Housing Units in Area	2,392	Adults 18 years and older	3,896 (83%)
Percent People of Color	100%	Seniors 65 years and older	1,138 (24%)
Households in Area	1,854	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Households on Public Assistance	101	White	1,330 (28%)
Persons With Low Income	3,807	African-American	834 (18%)
Percent With Low Income	81%	Hispanic-Origin	4,719 (100%)
Geography		Asian	0 (0%)
Radius of Selected Area	1 mi.	Hawaiian/Pacific Islander	0 (0%)
Center Latitude	17.960035	American Indian	20 (0%)
Center Longitude	-66.405047	Other/Multiracial	237 (5%)
Total Area	--	Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Land Area	71%	Less than 9th Grade	301 (8.67%)
Water Area	29%	9th through 12th Grade	163 (4.7%)
Income Breakdown (ACS (American Community Survey)) - Households (%)		High School Diploma	1,393 (40.13%)
Less than \$15,000	782 (42.16%)	Some College/2-year	498 (14.35%)
\$15,000 - \$25,000	439 (23.67%)	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	855 (24.63%)
\$25,000 - \$50,000	386 (20.81%)		



Income Breakdown (ACS (American Community Survey)) - Households (%)	
\$50,000 - \$75,000	166 (8.95%)
Greater than \$75,000	82 (4.42%)

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# Detailed Facility Report

## Facility Summary

**PUERTO RICO IND DEVELOPMENT CO**

**RD PR 538 KM 0.7 FELICIA WARD, SANTA ISABEL, PR 00755**

**FRS (Facility Registry Service) ID:** 110007807702

**EPA Region:** 02

**Latitude:** 17.960035

**Longitude:** -66.405047

**Locational Data Source:** FRS

**Industries:** Professional, Scientific, and Technical Services

**Indian Country:** N

## Enforcement and Compliance Summary

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

## Regulatory Information

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

**Clean Water Act (CWA):** No Information

**Resource Conservation and Recovery Act (RCRA):** Inactive Other, (PRD105743116)

**Safe Drinking Water Act (SDWA):** No Information

## Other Regulatory Reports

**Air Emissions Inventory (EIS):** No Information

**Greenhouse Gas Emissions (eGGRT):** No Information

**Toxic Releases (TRI):** No Information

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

[Go To Enforcement/Compliance Details](#)

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

## Facility/System Characteristics

### Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007807702					N	17.960035	-66.405047
RCRAInfo	RCRA	PRD105743116	Other	Inactive ( )			N	17.960035	-66.405047

## Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007807702	PUERTO RICO IND DEVELOPMENT CO	RD PR 538 KM 0.7 FELICIA WARD, SANTA ISABEL, PR 00755	Santa Isabel Municipio
RCRAInfo	RCRA	PRD105743116	PUERTO RICO IND DEVELOPMENT CO	RD PR 538 KM 0.7 FELICIA WARD, SANTA ISABEL, PR 00755	Santa Isabel 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	PRD105743116	54171	Research and Development in the Physical, Engineering, and Life Sciences

## 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	PRD105743116	No	06/07/2025	0	06/06/2025

## 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: PRD105743116)		07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	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?
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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/dfr-data-dictionary#demographic>>.

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	4,719	Children 5 years and younger	155 (3%)
Population Density	2,142/sq.mi.	Minors 17 years and younger	823 (17%)
Housing Units in Area	2,392	Adults 18 years and older	3,896 (83%)
Percent People of Color	100%	Seniors 65 years and older	1,138 (24%)
Households in Area	1,854	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Households on Public Assistance	101	White	1,330 (28%)
Persons With Low Income	3,807	African-American	834 (18%)
Percent With Low Income	81%	Hispanic-Origin	4,719 (100%)
Geography		Asian	0 (0%)
Radius of Selected Area	1 mi.	Hawaiian/Pacific Islander	0 (0%)
Center Latitude	17.960035	American Indian	20 (0%)
Center Longitude	-66.405047	Other/Multiracial	237 (5%)
Total Area	--	Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Land Area	71%	Less than 9th Grade	301 (8.67%)
Water Area	29%	9th through 12th Grade	163 (4.7%)
Income Breakdown (ACS (American Community Survey)) - Households (%)		High School Diploma	1,393 (40.13%)
Less than \$15,000	782 (42.16%)	Some College/2-year	498 (14.35%)
\$15,000 - \$25,000	439 (23.67%)	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	855 (24.63%)
\$25,000 - \$50,000	386 (20.81%)		
\$50,000 - \$75,000	166 (8.95%)		
Greater than \$75,000	82 (4.42%)		



# Detailed Facility Report

## Facility Summary

**NORTHROP GRUMMAN PEI SITE 1**

**CALLE MUNOZ RIVERA #112, SANTA ISABEL, PR 00757**

**FRS (Facility Registry Service) ID:** 110009436413

**EPA Region:** 02

**Latitude:** 17.965006

**Longitude:** -66.402443

**Locational Data Source:** RCRAINFO

**Industries:** Computer and Electronic Product Manufacturing

**Indian Country:** N

## Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	05/25/2006
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

## Regulatory Information

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

**Clean Water Act (CWA):** No Information

**Resource Conservation and Recovery Act (RCRA):** Inactive Other, (PRD105815013)

**Safe Drinking Water Act (SDWA):** No Information

## Other Regulatory Reports

**Air Emissions Inventory (EIS):** No Information

**Greenhouse Gas Emissions (eGGRT):** No Information

**Toxic Releases (TRI):** 00757PRDCTCALLE

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

Go To Enforcement/Compliance Details

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

## Facility/System Characteristics

### Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110009436413					N	17.965006	-66.402443
TRI	EP313	00757PRDCTCALLE	Toxics Release Inventory	Last Reported for 1993			N	17.965006	-66.402443
RCRAInfo	RCRA	PRD105815013	Other	Inactive ( )			N	17.965006	-66.402443

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110009436413	NORTHROP GRUMMAN PEI SITE 1	CALLE MUNOZ RIVERA #112, SANTA ISABEL, PR 00757	Santa Isabel Municipio
TRI	EP313	00757PRDCTCALLE	WESTINGHOUSE ELECTRIC CORP PRODUCTOS ELECTRONICOS/PEI #1	CALLE MUNOZ RIVERA 112, SANTA ISABEL, PR 00757	Santa Isabel Municipio
RCRAInfo	RCRA	PRD105815013	NORTHROP GRUMMAN PEI SITE 1	CALLE MUNOZ RIVERA #112, SANTA ISABEL, PR 00757-2662	Santa Isabel Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
TRI	00757PRDCTCALLE	3669	Communications Equipment
TRI	00757PRDCTCALLE	3672	Printed Circuit Boards
TRI	00757PRDCTCALLE	3699	Electrical Equipment & Supplies

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
TRI	00757PRDCTCALLE	332813	Electroplating, Plating, Polishing, Anodizing, and Coloring
TRI	00757PRDCTCALLE	334412	Bare Printed Circuit Board Manufacturing
TRI	00757PRDCTCALLE	335999	All Other Miscellaneous Electrical Equipment and Component Manufacturing

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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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
RCRA	PRD105815013	No	06/07/2025	0	06/06/2025

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: PRD105815013)	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation											
	Agency											

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?
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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
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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	4,737	Children 5 years and younger	159 (3%)
Population Density	2,133/sq.mi.	Minors 17 years and younger	825 (17%)
Housing Units in Area	2,406	Adults 18 years and older	3,914 (83%)
Percent People of Color	100%	Seniors 65 years and older	1,148 (24%)
Households in Area	1,870		
Households on Public Assistance	106		
Persons With Low Income	3,839		
Percent With Low Income	81%		
Geography		Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	White	1,336 (28%)
Center Latitude	17.965006	African-American	841 (18%)
Center Longitude	-66.402443	Hispanic-Origin	4,737 (100%)
Total Area	--	Asian	0 (0%)
Land Area	71%	Hawaiian/Pacific Islander	0 (0%)
Water Area	29%	American Indian	20 (0%)
		Other/Multiracial	237 (5%)
Income Breakdown (ACS (American Community Survey)) - Households (%)		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than \$15,000	786 (42.08%)	Less than 9th Grade	299 (8.57%)
\$15,000 - \$25,000	447 (23.93%)	9th through 12th Grade	163 (4.67%)
\$25,000 - \$50,000	387 (20.72%)	High School Diploma	1,409 (40.4%)
\$50,000 - \$75,000	166 (8.89%)	Some College/2-year	498 (14.28%)
Greater than \$75,000	82 (4.39%)	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	856 (24.54%)



# Detailed Facility Report

## Facility Summary

**NORTHROP GRUMMAN PEI SITE 1**

**CALLE MUNOZ RIVERA #112, SANTA ISABEL, PR 00757**

**FRS (Facility Registry Service) ID:** 110009436413

**EPA Region:** 02

**Latitude:** 17.965006

**Longitude:** -66.402443

**Locational Data Source:** RCRAINFO

**Industries:** Computer and Electronic Product Manufacturing

**Indian Country:** N

## Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	05/25/2006
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

## Regulatory Information

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

**Clean Water Act (CWA):** No Information

**Resource Conservation and Recovery Act (RCRA):** Inactive Other, (PRD105815013)

**Safe Drinking Water Act (SDWA):** No Information

## Other Regulatory Reports

**Air Emissions Inventory (EIS):** No Information

**Greenhouse Gas Emissions (eGGRT):** No Information

**Toxic Releases (TRI):** 00757PRDCTCALLE

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

Go To Enforcement/Compliance Details

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

## Facility/System Characteristics

### Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110009436413					N	17.965006	-66.402443
TRI	EP313	00757PRDCTCALLE	Toxics Release Inventory	Last Reported for 1993			N	17.965006	-66.402443
RCRAInfo	RCRA	PRD105815013	Other	Inactive ( )			N	17.965006	-66.402443



Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110009436413	NORTHROP GRUMMAN PEI SITE 1	CALLE MUNOZ RIVERA #112, SANTA ISABEL, PR 00757	Santa Isabel Municipio
TRI	EP313	00757PRDCTCALLE	WESTINGHOUSE ELECTRIC CORP PRODUCTOS ELECTRONICOS/PEI #1	CALLE MUNOZ RIVERA 112, SANTA ISABEL, PR 00757	Santa Isabel Municipio
RCRAInfo	RCRA	PRD105815013	NORTHROP GRUMMAN PEI SITE 1	CALLE MUNOZ RIVERA #112, SANTA ISABEL, PR 00757-2662	Santa Isabel Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
TRI	00757PRDCTCALLE	3669	Communications Equipment
TRI	00757PRDCTCALLE	3672	Printed Circuit Boards
TRI	00757PRDCTCALLE	3699	Electrical Equipment & Supplies

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
TRI	00757PRDCTCALLE	332813	Electroplating, Plating, Polishing, Anodizing, and Coloring
TRI	00757PRDCTCALLE	334412	Bare Printed Circuit Board Manufacturing
TRI	00757PRDCTCALLE	335999	All Other Miscellaneous Electrical Equipment and Component Manufacturing

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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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
RCRA	PRD105815013	No	06/07/2025	0	06/06/2025

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: PRD105815013)	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation											
	Agency											

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	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
-----------------	------	---------------	--------------------------	--	------------------------	------------------	------------------------	--------------------------

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	4,737	Children 5 years and younger	159 (3%)
Population Density	2,133/sq.mi.	Minors 17 years and younger	825 (17%)
Housing Units in Area	2,406	Adults 18 years and older	3,914 (83%)
Percent People of Color	100%	Seniors 65 years and older	1,148 (24%)
Households in Area	1,870		
Households on Public Assistance	106	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	3,839	White	1,336 (28%)
Percent With Low Income	81%	African-American	841 (18%)
		Hispanic-Origin	4,737 (100%)
		Asian	0 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	20 (0%)
		Other/Multiracial	237 (5%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	299 (8.57%)
Center Latitude	17.965006	9th through 12th Grade	163 (4.67%)
Center Longitude	-66.402443	High School Diploma	1,409 (40.4%)
Total Area	--	Some College/2-year	498 (14.28%)
Land Area	71%	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	856 (24.54%)
Water Area	29%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	786 (42.08%)		
\$15,000 - \$25,000	447 (23.93%)		
\$25,000 - \$50,000	387 (20.72%)		
\$50,000 - \$75,000	166 (8.89%)		
Greater than \$75,000	82 (4.39%)		



# Detailed Facility Report

## Facility Summary

**OCULAR SCIENCES PUERTO RICO**

**PR RD 538 KM 0.7 LOT 3, SANTA ISABEL, PR 00757**

**FRS (Facility Registry Service) ID:** 110007822428

**EPA Region:** 02

**Latitude:** 17.960035

**Longitude:** -66.405047

**Locational Data Source:** RCRAINFO

**Industries:** --

**Indian Country:** N

## Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	09/09/2002
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,  
(PRR000011759)

**Safe Drinking Water Act (SDWA):** No Information

## Other Regulatory Reports

**Air Emissions Inventory (EIS):** No Information

**Greenhouse Gas Emissions (eGGRT):** No Information

**Toxic Releases (TRI):** No Information

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

Go To Enforcement/Compliance Details

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

## Facility/System Characteristics

### Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007822428					N	17.960035	-66.405047
RCRAInfo	RCRA	PRR000011759	VSQG	Active (H)			N	17.958897	-66.40526

## Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007822428	OCULAR SCIENCES PUERTO RICO	PR RD 538 KM 0.7 LOT 3, SANTA ISABEL, PR 00757	Santa Isabel Municipio
RCRAInfo	RCRA	PRR000011759	OCULAR SCIENCES PUERTO RICO	PR RD 538 KM 0.7 LOT 3, SANTA ISABEL, PR 00757	Santa Isabel Municipio

## Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
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No data records returned

## Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
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No data records returned

## Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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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
RCRA	PRR000011759	No	06/07/2025	0	06/06/2025

## 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: PRR000011759)	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation											
	Agency											

## 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?
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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
-----------------	------	---------------	--------------------------	--	------------------------	------------------	------------------------	--------------------------

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	4,719	Children 5 years and younger	155 (3%)
Population Density	2,142/sq.mi.	Minors 17 years and younger	823 (17%)
Housing Units in Area	2,392	Adults 18 years and older	3,896 (83%)
Percent People of Color	100%	Seniors 65 years and older	1,138 (24%)
Households in Area	1,854	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Households on Public Assistance	101	White	1,330 (28%)
Persons With Low Income	3,807	African-American	834 (18%)
Percent With Low Income	81%	Hispanic-Origin	4,719 (100%)
Geography		Asian	0 (0%)
Radius of Selected Area	1 mi.	Hawaiian/Pacific Islander	0 (0%)
Center Latitude	17.960035	American Indian	20 (0%)
Center Longitude	-66.405047	Other/Multiracial	237 (5%)
Total Area	--	Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Land Area	71%	Less than 9th Grade	301 (8.67%)
Water Area	29%	9th through 12th Grade	163 (4.7%)
Income Breakdown (ACS (American Community Survey)) - Households (%)		High School Diploma	1,393 (40.13%)
Less than \$15,000	782 (42.16%)	Some College/2-year	498 (14.35%)
\$15,000 - \$25,000	439 (23.67%)	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	855 (24.63%)
\$25,000 - \$50,000	386 (20.81%)		
\$50,000 - \$75,000	166 (8.95%)		
Greater than \$75,000	82 (4.42%)		



# Detailed Facility Report

## Facility Summary

**PREPA – SANTA ISABEL TECHNICAL OPERATIONS OFFICE**

**100 MUNOZ RIVERA ST, SANTA ISABEL, PR 00757**

**FRS (Facility Registry Service) ID:** 110043192345

**EPA Region:** 02

**Latitude:** 17.964947

**Longitude:** -66.401817

**Locational Data Source:** RCRAINFO

**Industries:** Utilities

**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,  
(PRR000023499)

**Safe Drinking Water Act (SDWA):** No Information

## Other Regulatory Reports

**Air Emissions Inventory (EIS):** No Information

**Greenhouse Gas Emissions (eGGRT):** No Information

**Toxic Releases (TRI):** No Information

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

Go To Enforcement/Compliance Details

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

## Facility/System Characteristics

### Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110043192345					N	17.964947	-66.401817
RCRAInfo	RCRA	PRR000023499	VSQG	Active (H)			N	17.964947	-66.401817

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110043192345	PREPA - SANTA ISABEL TECHNICAL OPERATIONS OFFICE	100 MUNOZ RIVERA ST, SANTA ISABEL, PR 00757	Santa Isabel Municipio
RCRAInfo	RCRA	PRR000023499	LUMA - SANTA ISABEL DISTRICT OFFICE - LINES	100 MUNOZ RIVERA ST, SANTA ISABEL, PR 00757	Santa Isabel 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	PRR000023499	22112	Electric Power Transmission, Control, and Distribution

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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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
RCRA	PRR000023499	No	06/07/2025	0	06/06/2025

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: PRR000023499)		07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency										

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?
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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
-----------------	------	---------------	--------------------------	--	------------------------	------------------	------------------------	--------------------------

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	4,686	Children 5 years and younger	154 (3%)
Population Density	2,122/sq.mi.	Minors 17 years and younger	808 (17%)
Housing Units in Area	2,378	Adults 18 years and older	3,878 (83%)
Percent People of Color	100%	Seniors 65 years and older	1,141 (24%)
Households in Area	1,849		
Households on Public Assistance	104	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	3,799	White	1,312 (28%)
Percent With Low Income	81%	African-American	829 (18%)
		Hispanic-Origin	4,686 (100%)
		Asian	0 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	20 (0%)
		Other/Multiracial	237 (5%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	294 (8.5%)
Center Latitude	17.964947	9th through 12th Grade	162 (4.68%)
Center Longitude	-66.401817	High School Diploma	1,401 (40.5%)
Total Area	--	Some College/2-year	494 (14.28%)
Land Area	71%	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	852 (24.63%)
Water Area	29%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	775 (41.91%)		
\$15,000 - \$25,000	444 (24.01%)		
\$25,000 - \$50,000	384 (20.77%)		
\$50,000 - \$75,000	164 (8.87%)		
Greater than \$75,000	82 (4.43%)		



**Area of Interest (AOI) Information**

Area : 28,240,372.78 ft<sup>2</sup>

Jun 10 2025 11:11:44 Eastern Daylight Time

## Summary

Name	Count	Area(ft²)	Length(ft)
Releases	0	N/A	N/A
Facilities	5	N/A	N/A

## Facilities

#	Facility_ID	Name	Address	City	County
1	PR_20262-21488	MX SERVICE STATION	CALLE BALDORIOTY #71	SANTA ISABEL	No Data
2	PR_20287-21471	PRTC	CALLE BALDORIOTY #127	SANTA ISABEL	No Data
3	PR_20363-21449	GULF SS	CARR 1 KM 104	SANTA ISABEL	No Data
4	PR_20360-21451	SANTA ISABEL SS #821	CARR 1 KM 104	SANTA ISABEL	No Data
5	PR_20354-21445	AEE TALLER MECANICA	CALLE MUÑOZ RIVERA #100	SANTA ISABEL	No Data

#	State	Zip_Code	Latitude	Longitude	Coordinate_Source
1	Puerto Rico	No Data	17.9678	-66.4085	State
2	Puerto Rico	No Data	17.9663	-66.4062	State
3	Puerto Rico	No Data	17.9643	-66.3991	State
4	Puerto Rico	No Data	17.9645	-66.3993	State
5	Puerto Rico	No Data	17.9639	-66.3999	State

#	Address_Match_Type	Open_USTs	Closed_USTs	TOS_USTs	Facility_Status
1	No Data	No Data	No Data	No Data	Unknown
2	No Data	No Data	No Data	No Data	Unknown
3	No Data	No Data	No Data	No Data	Unknown
4	No Data	No Data	No Data	No Data	Unknown
5	No Data	No Data	No Data	No Data	Unknown

#	LandUse	Population_1500ft	Private_Wells_1500ft	Within_SPA	SPA_PWS_FacilityID
1	No Data	No Data	No Data	No Data	No Data
2	No Data	No Data	No Data	No Data	No Data
3	No Data	No Data	No Data	No Data	No Data
4	No Data	No Data	No Data	No Data	No Data
5	No Data	No Data	No Data	No Data	No Data

#	SPA_Water_Type	SPA_Facility_Type	SPA_HUC12	Within_WHPA	WHPA_PWS_FacilityID
1	No Data	No Data	No Data	No Data	No Data
2	No Data	No Data	No Data	No Data	No Data
3	No Data	No Data	No Data	No Data	No Data
4	No Data	No Data	No Data	No Data	No Data
5	No Data	No Data	No Data	No Data	No Data

#	WHPA_Water_Type	WHPA_Facility_Type	WHPA_HUC12	Within_100yr_Floodplai n	Date_of_Last_Inspecti on
1	No Data	No Data	No Data	No Data	No Data
2	No Data	No Data	No Data	No Data	No Data
3	No Data	No Data	No Data	No Data	No Data
4	No Data	No Data	No Data	No Data	No Data
5	No Data	No Data	No Data	No Data	No Data

#	EPA_Region	Tribe	Count
1	2	No Data	1
2	2	No Data	1
3	2	No Data	1
4	2	No Data	1
5	2	No Data	1

# **Exhibit 7: Endangered Species**



## Transmittal Letter

July 11, 2024

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.

**DAMARIS ROMAN**  
Reviewer **RUIZ**

Digitally signed by DAMARIS  
ROMAN RUIZ  
Date: 2024.07.17 10:38:30 -04'00'

**LOURDES MENA** Digitally signed by LOURDES MENA  
Date: 2024.07.17 16:22:13 -04'00'  
Acting Caribbean ES Field Supervisor

### **RE: USFWS Endangered Species Act Certifications CRP Program – July 2024**

We are submitting the following Self-Certifications for projects under the CDBG-DR 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-000311	Mejoras a la Plaza Interactiva en el Casco Urbano
PR-CRP-000551	Mejoras a Unidades de Vivienda de 1 y 2 Habitaciones en Urb. Kennedy
PR-CRP-000614	Urban Park 109
PR-CRP-000673	Revitalización Casco Urbano
PR-CRP-000697	Theater Blanca Castejón
PR-CRP-000726	Desarrollo de un Café Teatro
PR-CRP-000758	Plaza de los Trovadores
PR-CRP-000772	Plaza Buenos Aires Renovation
PR-CRP-001142	Nuevo Estacionamiento Plaza del Mercado y Centro Urbano
PR-CRP-001144	Centro de Mercado Familiar Guayamés

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  
Office of Disaster Recovery





## 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.

Puerto Rico Department of Housing (PRDOH) certifies that the project, Plaza de los Trovadores, PR-CRP-000758 consisting of renovation to transform the existing site into a modern and functional Plaza, integrate it with its surrounding area and improve accessibility for ADA compliance located at Corner of Modesto Vélez St. and Jorge Zayas Pedrego St., in the municipality of Santa Isabel (17.964619, -66.402555), 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.
<input type="checkbox"/>	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.
<input type="checkbox"/>	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.
<input type="checkbox"/>	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.
<input type="checkbox"/>	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.
<input type="checkbox"/>	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

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*May 17, 2024*

Date

## **PR-CRP-000758 Plaza de los Trovadores**

### **Project Descripción**

The Plaza de los Trovadores project site is situated in the urban center of the Municipality of Santa Isabel. It is located at the corner of Modesto Vélez street and Jorge Zayas Pedrogo street, at 17.964619°, -66.402555°, cadaster Number: 437-006-023-18. The Plaza is currently being used for small activities since it has a small stage area. However, it is in poor condition, the benches are rotten, and the stage area needs to be repainted, among other upgrades needed.

The proposed project will include the following works (Figure 1: Proposed Project Drawings (100%):

#### **Demolition work:**

1. Demolition of the existing slab and pavers in the Plaza
2. Removal of the tubular fence located on the west of the Plaza and demolition of its concrete base.
3. Demolition of the stage area roof tiles
4. Demolition of existing planters, removal and/or demolition of urban mobiliary, removal of lighting posts and trash cans.
5. Demolition of the base of the sculpture located on the southeast of the Plaza. The sculpture will be relocated.
6. Demolition of sidewalks, curbs, and gutters.

The existing stage will remain, and the existing sculpture will be relocated. Demolition work requires an approximately 3 feet deep subsurface excavation to remove the slab and debris at the Site. Works inside the Plaza will be performed using lightweight equipment. The contractor shall take precautions during demolition works on areas identified as environmentally, architectural, and archaeologically sensitive.

#### **Construction works:**

1. Construction of a new concrete slab on grade for the Plaza. Two different pigment colors will be used on the concrete to create the new Plaza's design.
2. Construction of concrete stairs and ramps with stainless steel handrails to access the Plaza level. Construction of sidewalks. These elements will have a broom finish.
3. Construction of curbs and gutters, and of new handicap ramps.
4. Construction of a concrete and masonry wall on the west perimeter and works on the northern perimeter wall.
5. Installation of a standing seam metal roof deck on the existing stage's roof.
6. Reinstallation of the Plaza's sculpture on the northwest corner.
7. Installation of trash cans and solar light poles. The luminaires will require a concrete base for support and resistance against weather (winds) and earthquakes. Trenches and conduits will not be required for this lighting system. These luminaires will require footing structures of approximately 3.0 feet depth.
8. Installation of corten steel panel and of steel perforated panels in the shape of a cuatro with musical instruments, a music sheet, the name of the Plaza, and musical notes, to be located adjacent to the western wall. The center of the cuatro will have a garden sensory

wall play area for kids. The planters in the Plaza's slab located next to the steel panels will be framed with a low wall that will be shaped like a guitar.

9. Inclusion of green areas around the Plaza. Excavations that can reach approximately 3 feet depending on the vegetation and how it will be planted will be required. recommended.
10. Construction of three concrete benches each with three rows at increasing height levels and with artificial plantings on the surface, to be located on the south (two) and east (one) of the Plaza. The artificial planting areas will have drains that will direct water to pipes inside the structure, whose outlets will discharge water to the planting areas behind the benches.
11. The benches in the south will have pergola framed roofs with galvanized steel columns, in the shape of musical notes. These structural elements will require footing structures approximately 3.0 feet deep. Small construction equipment and precautions during the construction phase will be considered to minimize disturbances below grade.
12. A new sign with the Plaza's name will be located on the wall behind the benches at the southern entrance.

Overall, the proposed project aims to significantly upgrade and renovate the Site, transforming it into a modern and functional multi-use Plaza that will serve as a vital community asset, providing much-needed space for various public services and events. The Plaza's access will also be improved to ensure ADA compliance and better integration into the surrounding urban context and environment.

During the demolition and construction process, erosion and sedimentation control measures will be implemented to avoid sediment discharges into the storm sewer system. Controls to be installed include hay bales (or silt socks) on drainage structures, silt fence around the project limit, and implementation of a stabilized entrance, with truck washout station to avoid sediments track out into the streets. Staging and storage areas for construction materials will be protected with silt fence, or any other measure as needed. Construction works will be performed in compliance with federal and local regulations. The staging area for the project will be located on a lot at the intersection of Ramon Emeterio Betances Street and PR-153 at 17.965517, -66.403900.

The Plaza de los Trovadores is located outside of the 100-yr floodplain, according to FEMA Firmette, Panel number 72000C2060J, effective date November 18, 2019, and to the ABFE's Map, effective date April 18, 2018.



*Plaza de los Trovadores*  
*PR-CRP-000758*  
*Municipality of Santa Isabel*  
*Corner of Modesto Vélez St. and Jorge Zayas Pedrogo St.*  
*17.964619°, -66.402555°*

## Site Pictures

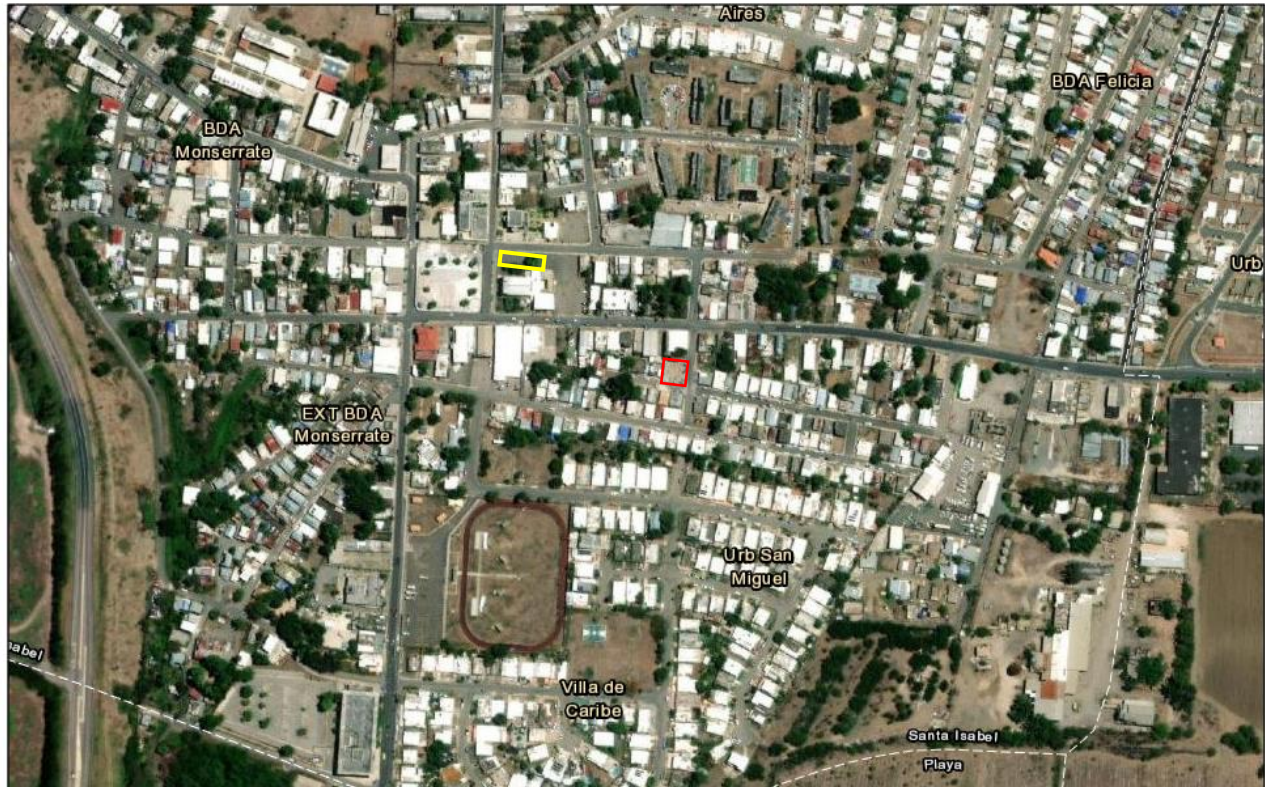




Plaza de los Trovadores  
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17.964619°, -66.402555°

## Aerial Photograph

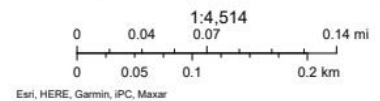
ArcGIS Web AppBuilder



5/3/2023, 3:44:50 PM

Site

Staging Area



U.S. Environmental Protection Agency





U.S. Fish and Wildlife Service

# National Wetlands Inventory

## Wetland Map



January 9, 2024

### Wetlands

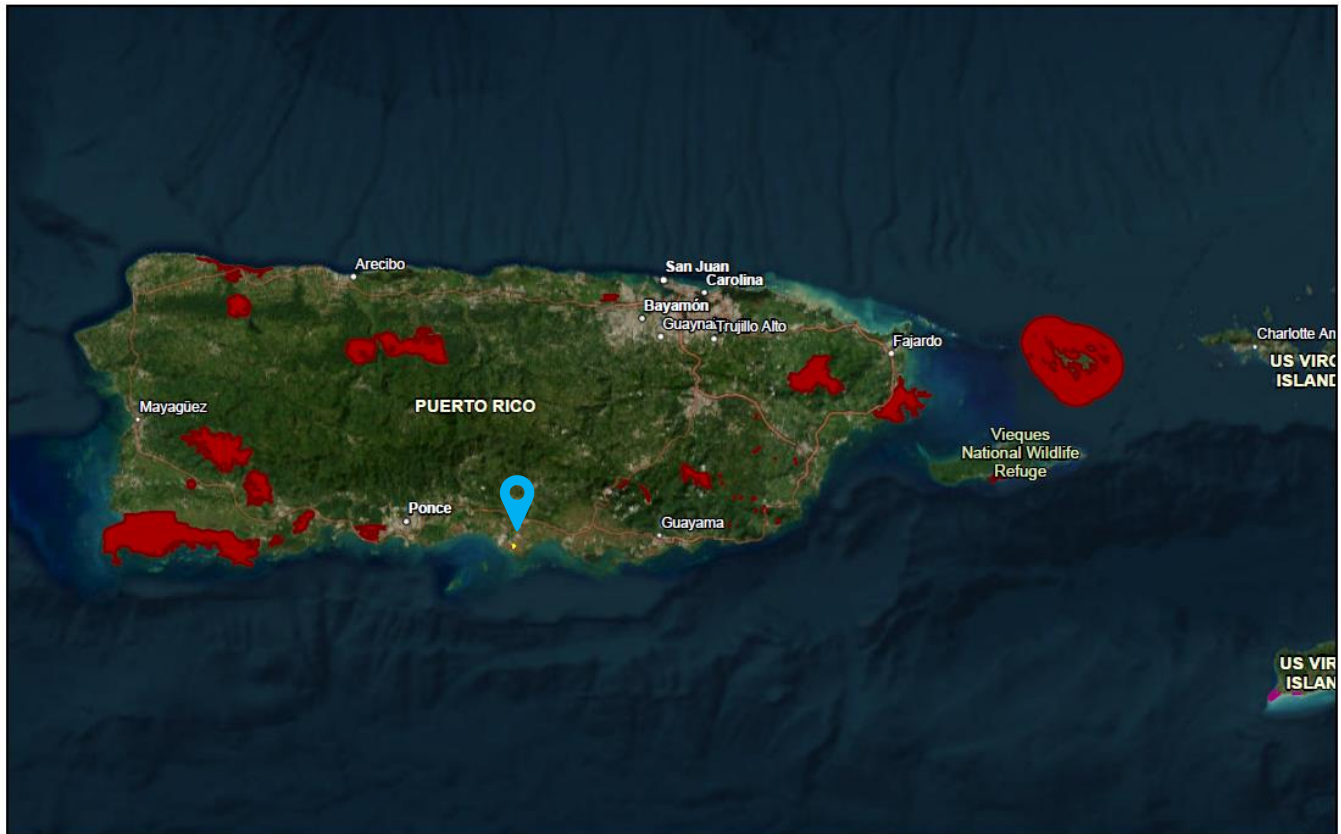
	Estuarine and Marine Deepwater		Freshwater Emergent Wetland		Lake
	Estuarine and Marine Wetland		Freshwater Forested/Shrub Wetland		Other
			Freshwater Pond		Riverine

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.



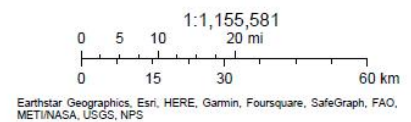
Plaza de los Trovadores  
PR-CRP-000758  
Municipality of Santa Isabel  
Corner of Modesto Vélez St. and Jorge Zayas Pedrogo St.  
17.964619°, -66.402555°

## Critical Habitat Mapper (NEPAssist)



November 13, 2023

- Critical Habitat - Polygon Features - Proposed
- Critical Habitat - Polygon Features - Final
- Staging Area
- Plaza de los Trovadores



Plaza de los Trovadores  
PR-CRP-000758  
Municipality of Santa Isabel  
Corner of Modesto Vélez St. and Jorge Zayas Pedrego St.  
17.964619°, -66.402555°

## Exhibit 7: Endangered Species

**IPaC** Information for Planning and Consultation U.S. Fish & Wildlife Service  
LOG IN

**1** Find location

**2** Define area

**3** Confirm

Verify the area where project activities will occur

Modify the shape by clicking and dragging the vertices or clicking on a solid vertex to remove it

AREA: 0.37 acres

**CONTINUE**

START OVER

**Layers** ADD

- ☒ Critical Habitat
- ☐ Final
- ☐ Proposed

What's Here?  
CRITICAL HABITAT Nothing found

Site

Staging Area

# IPaC resource list

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

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

## Location

Santa Isabel County, Puerto Rico



## Local office

Caribbean Ecological Services Field Office

☎ (787) 834-1600

📠 (787) 851-7440

✉ [CARIBBEAN\\_ES@FWS.GOV](mailto:CARIBBEAN_ES@FWS.GOV)

### MAILING ADDRESS

Post Office Box 491

Boqueron, PR 00622-0491

### PHYSICAL ADDRESS

Office Park I

State Road #2 Km 156.5, Suite 303}

Mayaguez, PR 00680

# Endangered species

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

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

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

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

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

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

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

1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

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

## Reptiles

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

## Critical habitats

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

There are no critical habitats at this location.

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

# 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 should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern <https://www.fws.gov/program/migratory-birds/species>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>

There are no migratory birds of conservation concern expected to occur at this location.

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

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

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

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

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

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

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

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

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

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

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



## What are the levels of concern for migratory birds?

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

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

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

## Details about birds that are potentially affected by offshore projects

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

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

## What if I have eagles on my list?

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

## Proper Interpretation and Use of Your Migratory Bird Report

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

# Facilities

## National Wildlife Refuge lands

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

There are no refuge lands at this location.

## Fish hatcheries

There are no fish hatcheries at this location.

## Wetlands in the National Wetlands Inventory (NWI)

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

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

This location did not intersect any wetlands mapped by NWI.

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

### Data limitations

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

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

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

### Data exclusions

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

### Data precautions

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

# IPaC resource list

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### PHYSICAL ADDRESS

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Mayaguez, PR 00680



# Endangered species

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

## Reptiles

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

## Critical habitats

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

There are no critical habitats at this location.

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

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There are no migratory birds of conservation concern expected to occur at this location.

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

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

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

## What are the levels of concern for migratory birds?

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

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

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

## Details about birds that are potentially affected by offshore projects

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

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

## What if I have eagles on my list?

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

## Proper Interpretation and Use of Your Migratory Bird Report

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

# Facilities

## National Wildlife Refuge lands

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

There are no refuge lands at this location.

## Fish hatcheries

There are no fish hatcheries at this location.

## Wetlands in the National Wetlands Inventory (NWI)

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

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

This location did not intersect any wetlands mapped by NWI.

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

### Data limitations

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

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

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

### Data exclusions

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

### Data precautions

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

# **Exhibit 8: Farmland Protection**

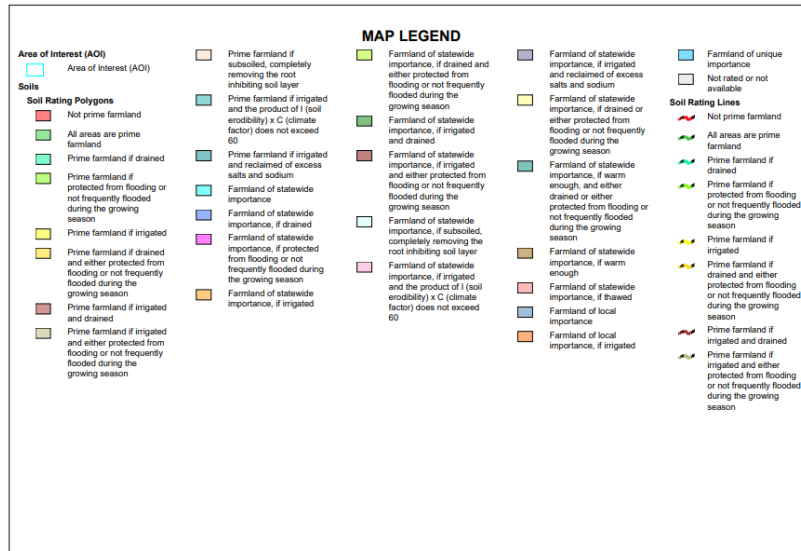
Plaza de los Trovadores  
PR-CRP-000758  
Municipality of Santa Isabel  
Dr. Velez Street 18-19, Esq. Pedro M. Descartes Street  
17.9645°, -66.4025°



Site Staging Area

Plaza de los Trovadores  
PR-CRP-000758  
Municipality of Santa Isabel  
Dr. Velez Street 18-19, Esq. Pedro M. Descartes Street  
17.9645°, -66.4025°

Farmland Classification—Ponce Area, Puerto Rico Southern Part



USDA Natural Resources Conservation Service

Web Soil Survey National Cooperative Soil Survey

5/3/2023 Page 2 of 6

Farmland Classification—Ponce Area, Puerto Rico Southern Part



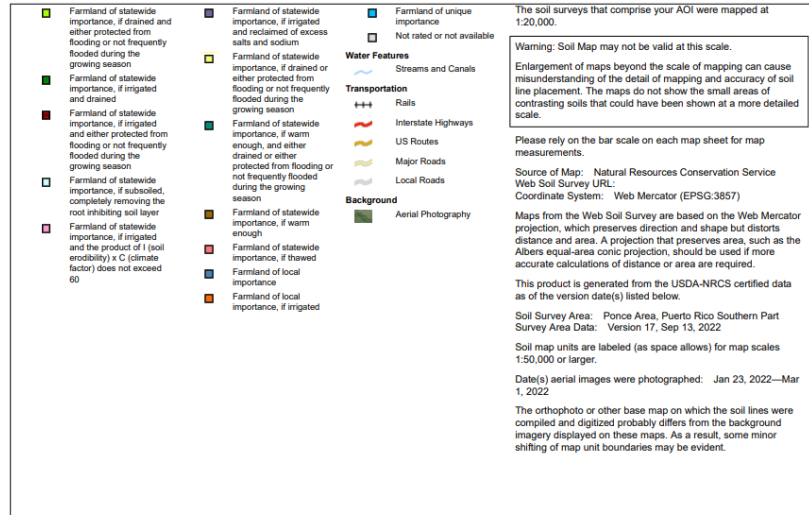
USDA Natural Resources Conservation Service

Web Soil Survey National Cooperative Soil Survey

5/3/2023 Page 3 of 6



Farmland Classification—Ponce Area, Puerto Rico Southern Part



## Farmland Classification

Farmland Classification—Ponce Area, Puerto Rico Southern Part

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Us	Urban land-San Anton complex, 0 to 2 percent slopes, occasionally flooded	Not prime farmland	50.8	100.0%
Totals for Area of Interest			50.8	100.0%

The tie-break rule indicates which value should be selected from a set of multiple candidate values, or which value should be selected in the event of a percent composition tie.

## 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

Aggregation is the process by which a set of component attribute values is reduced to a single value that represents the map unit as a whole.

A map unit is typically composed of one or more "components". A component is either some type of soil or some nonsoil entity, e.g., rock outcrop. For the attribute being aggregated, the first step of the aggregation process is to derive one attribute value for each of a map unit's components. From this set of component attributes, the next step of the aggregation process derives a single value that represents the map unit as a whole. Once a single value for each map unit is derived, a thematic map for soil map units can be rendered. Aggregation must be done because, on any soil map, map units are delineated but components are not.

For each of a map unit's components, a corresponding percent composition is recorded. A percent composition of 60 indicates that the corresponding component typically makes up approximately 60% of the map unit. Percent composition is a critical factor in some, but not all, aggregation methods.

The majority of soil attributes are associated with a component of a map unit, and such an attribute has to be aggregated to the map unit level before a thematic map can be rendered. Map units, however, also have their own attributes. An attribute of a map unit does not have to be aggregated in order to render a corresponding thematic map. Therefore, the "aggregation method" for any attribute of a map unit is referred to as "No Aggregation Necessary".

Tie-break Rule: Lower



# **Exhibit 9:**

## **Historic Preservation**



OFICINA ESTATAL DE

# CONSERVACIÓN HISTÓRICA

GOBIERNO DE PUERTO RICO

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

Wednesday, July 9, 2025

**Lauren B Poche**

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

**SHPO-CF-06-02-25-01 PR-CRP-000758 (Santa Isabel), Renovations of Plaza Los  
Trovadores Eusebio Guzman**

Dear Ms. Poche,

Our Office has received and reviewed the information submitted for the above referenced project in accordance with 54 USC 306108 (commonly known as Section 106 of the National Historic Preservation Act, as amended) and 36 CFR Part 800: Protection of Historic Properties from the Advisory Council on Historic Preservation.

After a review of all the documentation, the SHPO concurs with your finding that the proposed project will have no adverse effect upon historic properties.

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/MDC



OFICINA ESTATAL DE  
CONSERVACIÓN HISTÓRICA  
OFICINA DEL GOBERNADOR  
  
STATE HISTORIC  
PRESERVATION OFFICE  
OFFICE OF THE GOVERNOR



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

June 2, 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

### SECTION 106 NHPA EFFECT DETERMINATION SUBMITTAL FOR PR-CRP-000758, RENOVATIONS OF PLAZA LOS TROVADORES EUSEBIO GUZMAN, SANTA ISABEL, PUERTO RICO – *NO ADVERSE EFFECT*

Dear Architect Rubio Cancela,

On February 9, 2018, an allocation of Community Development Block Grant – Disaster Recovery (CDBG-DR) funds was approved by the United States Department of Housing and Urban Development (HUD) under the Federal Register Volume 83, No. 28, 83 FR 5844, to assist the Commonwealth of Puerto Rico in meeting unmet needs in the wake of Hurricanes Irma and Maria. On August 14, 2018, an additional \$8.22 billion recovery allocation was allocated to Puerto Rico under the Federal Register Volume 83, No. 157, 83 FR 40314. With these funding allocations, the Puerto Rico Department of Housing (PRDOH) aims to lead a comprehensive and transparent recovery for the benefit of Puerto Rico residents. To faithfully comply with HUD's environmental requirements, PRDOH contracted Horne Federal, LLC (HORNE) to provide environmental records review services that will support their objectives for the CDBG-DR funds.

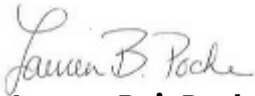
On behalf of PRDOH, HORNE is submitting documentation for the proposed Renovations of Plaza Los Trovadores Eusebio Guzman project, located within the traditional urban center of Santa Isabel. The Municipality Santa Isabel proposes the complete redesign of Plaza de los Trovadores

and its green areas to create a distinct gathering place that caters to various community activities. Rehabilitation activities include the replacement of existing light fixtures with solar LED lights, a new concrete floor, concrete benches with artificial planting, new site furnishings, and replacement of the stage roof which hosts cultural events. The full scope of the project is described in the submitted documentation, which includes mapping, photographs, and the 100% design drawings.

Based on the documentation provided, the Program requests a concurrence with a determination that "**No Adverse Effect**" is appropriate for this undertaking.

If you have any questions or concerns, please contact me 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

PR-CRP-000758

RENOVATIONS OF PLAZA LOS TROVADORES  
EUSEBIO GUZMAN PROJECT  
SANTA ISABEL, PUERTO RICO

SECTION 106 EFFECT DETERMINATION FORM

<b>Puerto Rico 2017 Disaster Recovery, CDBG-DR Program</b> <b>City Revitalization Program (City-Rev)</b> <b>Section 106 NHPA Effect Determination</b>		
<b>Subrecipient:</b> Municipality of Santa Isabel		
<b>Case ID:</b> PR-CRP-000758		<b>City:</b> Santa Isabel, PR
<b>Project Name:</b> Renovations of Plaza Los Trovadores Eusebio Guzman		

<b>Project Location:</b> Dr. Velez Street 18-19, Esq. Pedro M. Descartes Street, Santa Isabel.	
<b>Project Coordinates:</b> 17.9645, -66.4025	
<b>TPID (Número de Catastro):</b> 437-006-023-18-000, 437-006-023-17, and 437-006-023-15	
<b>Project Type:</b>	<b>Type of Undertaking:</b>
<input type="checkbox"/> Building <input checked="" type="checkbox"/> Plaza <input type="checkbox"/> Streets and/or pedestrian facilities <input type="checkbox"/> Utilities <input type="checkbox"/> Park	<input checked="" type="checkbox"/> Rehabilitation/Repair <input type="checkbox"/> Urban Renewal <input checked="" type="checkbox"/> Demolition <input checked="" type="checkbox"/> New Construction
<b>Construction Date:</b> ca. 2002	<b>Property Size (acres):</b> 0.15


<b>SOI-Qualified Architect/Architectural Historian:</b> Esteli Capote, B. Arch, Richard Starzak, M.A.
<b>Date Reviewed:</b> May 22, 2025
<b>SOI-Qualified Archaeologist:</b> Adam C. S. Kazmi, M.A. and Dylan Zedaker, M.A.
<b>Date Reviewed:</b> May 22, 2025

In compliance with Section 106 of the National Historic Preservation Act (NHPA), the Program is responsible for identifying historic properties listed in the National Register of Historic Places (NRHP) and any properties not listed that would be considered eligible for listing which are located within the geographic area of potential effects (APE) of the proposed project and assessing the potential effects of its undertakings on these historic properties. It has been determined by the SOI-qualified professionals that the project undertaking does not conform to Stipulation II.A (Project Review – Programmatic Allowances) of the Section 106 Programmatic Agreement (PA) among FEMA, SHPO, and COR3, as amended (May 3, 2023).<sup>1</sup>

## Project Description (Undertaking)

The applicant is seeking Community Development Block Grant disaster recovery (CDBG-DR) funds financed by the federal Department of Housing and Urban Development (HUD) due to damage received by the 2017 Hurricanes Irma and Maria. The Puerto Rico Department of Housing (Departamento de la Vivienda de Puerto Rico) (PRDOH) has established an Agreement between PRDOH and the Municipality of Santa Isabel (the “Subrecipient”) for the City Revitalization Program (“Program”) as part of the CDBG-DR Program. The allocation of federal funds for the project undertaking necessitates Section 106 review prior to implementation.

<sup>1</sup> Previous Section 106 NHPA Effect Determination Forms (EDFs), prepared by Cristina Montenegro Torres and Maritza Torres Martinez, were reviewed by the Program on 11 April 2024, and 2 July 2024. The present EDF, prepared by ICF, is a new document based on updated background research, and interpretative activities. This EDF includes field photos taken during a field visit (4/30/23) carried out by Cristina Montenegro Torres and Maritza Torres Martinez. ICF prepared the Project Description, APE, Environmental Context, Historic Context, Archaeological (Identification and Determination), Architecture sections (Identification and Determination), and Recommendation sections.

<b>Puerto Rico 2017 Disaster Recovery, CDBG-DR Program</b> <b>City Revitalization Program (City-Rev)</b> <b>Section 106 NHPA Effect Determination</b>	 DEPARTMENT OF <b>HOUSING</b> GOVERNMENT OF PUERTO RICO
<b>Subrecipient:</b> Municipality of Santa Isabel	
<b>Case ID:</b> PR-CRP-000758	
<b>Project Name:</b> Renovations of Plaza Los Trovadores Eusebio Guzman	<b>City:</b> Santa Isabel, PR

The Municipality of Santa Isabel, assisted by PRDOH and the Puerto Rico 2017 Disaster Recovery, CDBG–DR Program – City Revitalization Program (Programa de Revitalización de la Ciudad del Gobierno Federal) (CITY-REV), proposes to rehabilitate Plaza de los Trovadores Eusebio Guzman<sup>2</sup>, located within the traditional urban center of Santa Isabel (See 100% plans, dated June 2023). As a result of Hurricanes Irma and María, the Plaza de los Trovadores suffered serious infrastructure damage requiring complete rehabilitation. The Santa Isabel Municipality proposes to repair and improve this public site. The project details in this section were provided by the designer, Vasquez Associates, and were derived from their design plans (See “Project Architectural Plans, PR–CRP–000758 Plaza Los Trovadores 4339DR, Santa Isabel, Puerto Rico – 100% Design Drawings–Revised dated June 2023”) (Appendix A).


Plaza de los Trovadores Eusebio Guzman is within the Traditional Urban Center (TUC) of Santa Isabel – as established by the Puerto Rico State Historic Preservation Office (PRSHPO) – bounded by Dr. Modesto Velez on the east, by Jorge Zayas Pedrogo on the south, and by private properties on the north and west sides (Figure 1). The rehabilitation project entails the complete redesign of Plaza de los Trovadores and its green areas to create a distinct gathering place that caters to various community activities. Rehabilitation activities include the replacement of existing light fixtures with solar LED lights, a new concrete floor, concrete benches with artificial planting, new site furnishings, and replacement of the stage roof which hosts cultural events. The only structure in the plaza is the stage gazebo (ca. 2002) with a tiled hipped roof supported on simple round columns representing a popular expression of a Spanish-style type roof.

The total excavation volume amounts to 4,097 ft<sup>3</sup> (106 m<sup>3</sup>) (Table 1). Specifically, approximately 2,967 ft<sup>3</sup> (84 m<sup>3</sup>) will be excavated in the area designated for the new fencing and benches, based on an excavation depth of 3 feet (0.92 meters) over an area of 989 ft<sup>2</sup> (91.86 m<sup>2</sup>). Additionally, the ramps and sidewalk areas will require 1,130 ft<sup>3</sup> (32 m<sup>3</sup>) of excavation, with a depth of 1 foot (0.30 meters) across 1,141 ft<sup>2</sup> (106 m<sup>2</sup>).


Project activities include demolition, repair/rehabilitation and excavation work (Table 2) that are outlined in both feet (ft) and inches (in) and meters (m). Demolition work consists of the removal of 3,627.44 ft<sup>2</sup> (337 m<sup>2</sup>) of existing pavers, 333.681 ft<sup>2</sup> (31 m<sup>2</sup>) of existing planters, 742.7 ft<sup>2</sup> (69 m<sup>2</sup>) of sidewalks with a thickness of 6 in (0.15 m), 176.3 ft<sup>2</sup> (16.38 m<sup>2</sup>) of reinforced concrete low walls; 75.3 ft<sup>2</sup> (7.0 m<sup>2</sup>) of existing sculpture concrete base with a thickness of 6 in (0.15 m); and 1,119.5 ft<sup>2</sup> (104 m<sup>2</sup>) of urban furnishings, 17.4 ft<sup>2</sup> (1.62 m<sup>2</sup>) of Victorian lighting posts

<sup>2</sup> “Trovadores” is spelled incorrectly in the plans.




<b>Puerto Rico 2017 Disaster Recovery, CDBG-DR Program</b> <b>City Revitalization Program (City-Rev)</b> <b>Section 106 NHPA Effect Determination</b>	 <div data-bbox="1198 121 1399 210"> <small>DEPARTMENT OF</small>  <b>HOUSING</b>  <small>GOVERNMENT OF PUERTO RICO</small> </div>
<b>Subrecipient:</b> Municipality of Santa Isabel	
<b>Case ID:</b> PR-CRP-000758	
<b>Project Name:</b> Renovations of Plaza Los Trovadores Eusebio Guzman	<b>City:</b> Santa Isabel, PR

summing up to a total demolition area of 4,097 ft<sup>2</sup>

Puerto Rico 2017 Disaster Recovery, CDBG-DR Program City Revitalization Program (City-Rev) Section 106 NHPA Effect Determination		 DEPARTMENT OF <b>HOUSING</b> <small>GOVERNMENT OF PUERTO RICO</small>
Subrecipient: Municipality of Santa Isabel		
Case ID: PR-CRP-000758		City: Santa Isabel, PR
Project Name: Renovations of Plaza Los Trovadores Eusebio Guzman		



**Figure 1.** Project (Parcel) Location – Area of Potential Effects Map (Aerial)

<b>Puerto Rico 2017 Disaster Recovery, CDBG-DR Program</b> <b>City Revitalization Program (City-Rev)</b> <b>Section 106 NHPA Effect Determination</b>	 DEPARTMENT OF <b>HOUSING</b> <small>GOVERNMENT OF PUERTO RICO</small>
<b>Subrecipient:</b> Municipality of Santa Isabel	
<b>Case ID:</b> PR-CRP-000758	<b>City:</b> Santa Isabel, PR
<b>Project Name:</b> Renovations of Plaza Los Trovadores Eusebio Guzman	

**Table 1.** Project Earthwork Summary

Area	Activity Type	Area	Depth	Volume	Total
Fencing and Benches	Excavation	989	3 ft	2,967 ft <sup>3</sup>	4,097 ft <sup>3</sup>
Ramps and Sidewalks		1,141	1	1,130 ft <sup>3</sup>	
Fencing and Benches	Backfill	1,076	2 ft 6 in	2,684 ft <sup>3</sup>	2,684 ft <sup>3</sup>


**Table 2.** Proposed Ground Disturbance by Project Activity <sup>3</sup>

Activity	Description		Estimated Depth of Ground Disturbance	Excavation Area (Length x Width)	Volume	90% Plan Sheet Number
Demolition <sup>4</sup>	Demolition of existing pavers within plaza	6 in (0.15 m)	337 m <sup>2</sup>	1,813 ft <sup>3</sup>		C-03
	Demolition work of existing planters	No Ground Disturbance	31 m <sup>2</sup>	-		C-03
	Demolition sidewalks	6 in (0.15 m)	69 m <sup>2</sup>	366 ft <sup>3</sup>		C-03
	Demolition of concrete low walls and fence	3 ft (0.91 m)	16.38 m <sup>2</sup>	14.91 ft <sup>3</sup>		C-03
	Demolition of existing sculpture concrete base	6 in (0.15 m)	7 m <sup>2</sup>	37.08 ft <sup>3</sup>		C-03
	Demolition of stage roof tiles and roof structure	No Ground Disturbance	-	-		C-03
	Demolition of urban furnishings: 1) wood benches 2) concrete benches 3) concrete trash cans	3 ft (0.91 m)	104 m <sup>2</sup>	3,342 ft <sup>3</sup>		C-02 (FEMA SOW <sup>5</sup> ) and C-03
	Removal of Victorian lighting posts	6 in (0.15 m)	1.62 m <sup>2</sup>	8.59 ft <sup>3</sup>		C-02
Repair/ Rehabilitation	Rehabilitation of existing stage standing seam metal roof, 22ga		No Ground Disturbance	-	-	A-02, S-03

<sup>3</sup> The table was produced by ICF, but information contained within was derived from the 90% design plans.

<sup>4</sup> Depths for all demolition activities could not be obtained from the designer; however, in general, all demolition activities are limited to the extent of previous ground disturbance and will not result in additional ground disturbance.


<sup>5</sup> Provide FEMA SOW and clarify if this project is a FEMA improved project.

<b>Puerto Rico 2017 Disaster Recovery, CDBG-DR Program</b> <b>City Revitalization Program (City-Rev)</b> <b>Section 106 NHPA Effect Determination</b>	 <div>DEPARTMENT OF <b>HOUSING</b> <small>GOVERNMENT OF PUERTO RICO</small></div>
<b>Subrecipient:</b> Municipality of Santa Isabel	
<b>Case ID:</b> PR-CRP-000758	<b>City:</b> Santa Isabel, PR
<b>Project Name:</b> Renovations of Plaza Los Trovadores Eusebio Guzman	

New Construction	New concrete slab on grade (broom finish with pigment)	6 in (0.15 m)	264 m <sup>2</sup>	1,399.46 ft <sup>3</sup>	A-01, A-05, A-07 S-02-S-03
	New concrete work (low walls 15 inches high)	1 ft (0.30 m)	4.2 m <sup>2</sup>	44.50 ft <sup>3</sup>	A-01, A-05 S-02-S-03
	New concrete benches with artificial planting	3 ft (0.91)	104 m <sup>2</sup>	3,342 ft <sup>3</sup>	A-01, A-05 S-02-S-03
	New concrete sidewalk, curb and gutter	4 in (0.10 m), 6 in (0.15), and 1 ft 6 in (0.45 m)	69 m <sup>2</sup>	366 ft <sup>3</sup>	A-01, A-05 GD-01
	New ADA ramp	6 in (0.15 m)	27 m <sup>2</sup>	142.07 ft <sup>3</sup>	A-01 S-02-S-03
	Relocation of sculpture to NW corner on new concrete base	2 ft (0.60 m)	17 m <sup>2</sup>	360.21 ft <sup>3</sup>	A-01, A-06 <sup>6</sup> S-02-S-03
	New standing seam metal roof, 22ga	No Ground Disturbance	-	-	A-02, S-03
	New decorative metal pergola (music notes)	No Ground Disturbance	-	-	A-02, A-03, A-04
	New urban furnishings: 1) decorative metal mesh guitar panel 2) decorative corten steel (weathered steel) panel 3) trash cans	No Ground Disturbance	-	-	GD-02
	New solar light poles (new location)	4 ft (1.2 m)	1.62 m <sup>2</sup>	68.65 ft <sup>3</sup>	GD-01, GD-03

New construction work consists of the construction of 2841.67 ft<sup>2</sup> (264 m<sup>2</sup>) of concrete slab on grade; 45.2 ft<sup>2</sup> (4.2 m<sup>2</sup>) of new concrete work (low walls 15 inches high); 1119.45 ft<sup>2</sup> (104 m<sup>2</sup>) new concrete benches with artificial planting; 312.15 ft<sup>2</sup> (29 m<sup>2</sup>) of concrete sidewalk, curbs, and gutters; 290.62 ft<sup>2</sup> (27 m<sup>2</sup>) new ADA ramp; 182.98 ft<sup>2</sup> (17 m<sup>2</sup>) relocation of sculpture base; 17.44 ft<sup>2</sup> (1.62 m<sup>2</sup>) of new solar light poles, and 1,076 ft<sup>2</sup> (100 m<sup>2</sup>) of fill material, summing up to a total construction volume of 6781 ft<sup>2</sup> (182 m<sup>2</sup>)

<sup>6</sup> Plans show incorrect sheet number.


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## Area of Potential Effects

As defined in 36 CFR §800.16(d), the 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, it has been determined that the direct impact APE for this project includes Plaza Los Trovadores Eusebio Guzman, which is located within the Santa Isabel Centros Urbanos, a historic district eligible for inclusion on the NRHP (Figure 2).


The direct APE measures approximately 0.15 acres in area, which is comprised of the total area of Plaza Los Trovadores Eusebio Guzman and the western lane of Dr. Modesto Velez Street. The direct APE measures approximately 93 ft (28 m) north to south and 78 ft (24 m) east to west. Plaza Los Trovadores Eusebio Guzman is a vibrant and active public space surrounded by commercial establishments and residential units of one and two stories bounded by Jorge Zayas Pedrogo Street to the south and Dr. Modesto Velez Street to the east. The staging area is included in the direct APE and will encompass the western lane of Dr. Modesto Velez Street adjacent to Plaza Los Trovadores (See Figure 1). Plaza Los Trovadores Eusebio Guzman is in a corner lot, irregularly rectangular in shape, with the shortest façade facing to the east and longest facing to the south. To the north of the direct APE is the rear façade of a two-story building that is currently a church. To the south of the direct APE is Jorge Zayas Pedrogo Street with one-story residential units. To the west of the direct APE is the back façade of one-story residential units and to the east is Dr. Modesto Velez Street along with two- and one-story residential units.

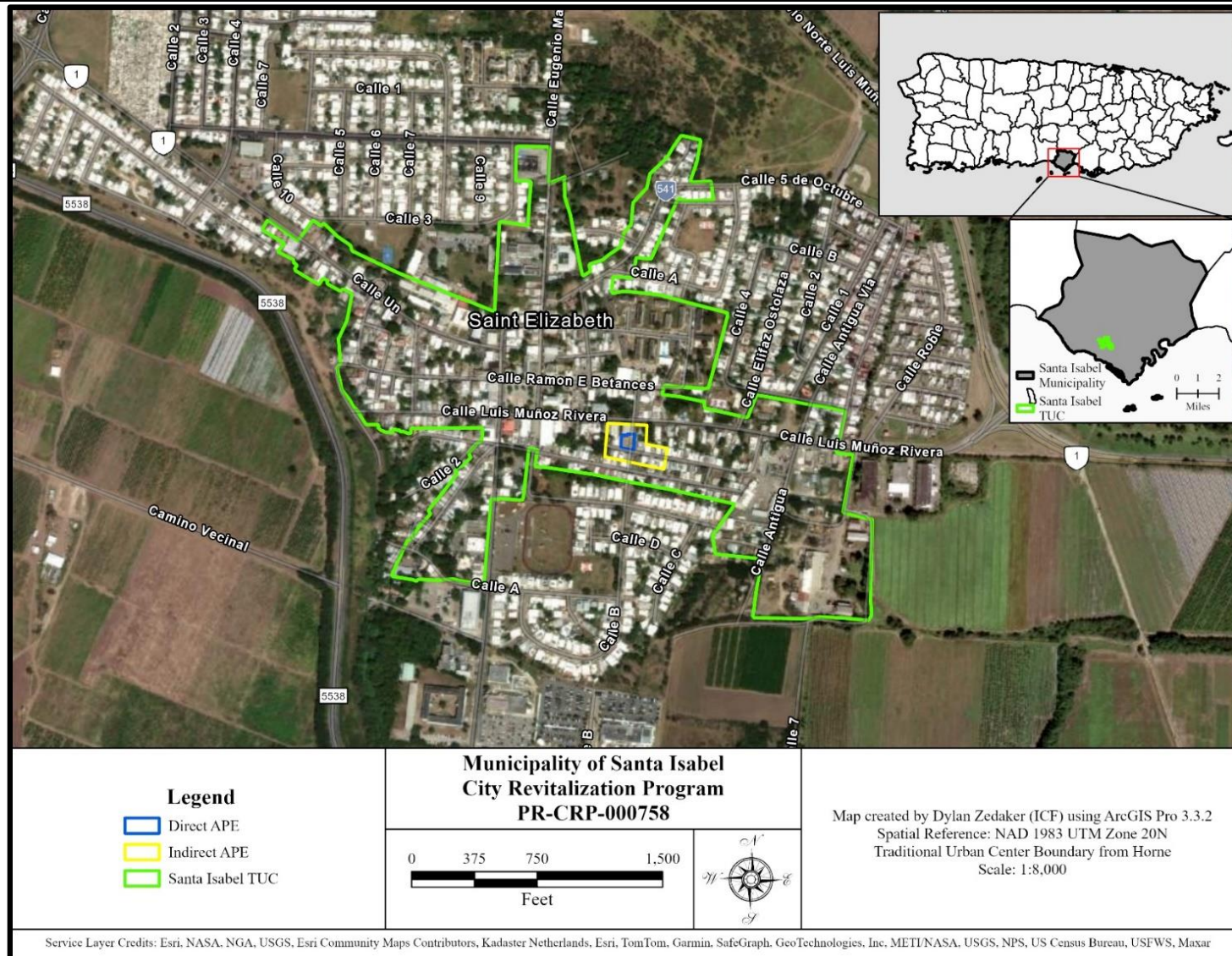
The indirect APE for visual effects is the geographic area surrounding the Renovations of Plaza Los Trovadores Eusebio Guzman project construction area. It measures 227 ft (70 m) north to south and 366 ft (111 m) east to west. The physical boundaries for the indirect APE are Calle Luis Muñoz Rivera to the North, Calle Pedro M. Descartes to the South, and Calle Dr. Modesto Vélez to east and the west. The project has the potential to introduce visual elements that diminish or alter the setting, including the landscape, where the setting is a character-defining feature of a historic property that makes it eligible for listing on the NRHP, specifically the Santa Isabel Centros Urbanos. In terms of the built environment within the indirect APE, the surroundings are exclusively one-story residential units. The exception would be the two buildings located at the “back” of the APE (north and northwest of the APE), which are both two story commercial

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and building facing the Muñoz Rivera Street (PR-1). The building most to the north is a Radiology Center and the building most to the northwest is an auto supply.




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**Figure 2.** Project (Parcel) Location – Aerial Map (Aerial)



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Plaza Los Trovadores Eusbio Guzman was constructed ca. 2002 based on PRSHPO records (SHPO# 01-14-98-04) using CDBG funds. It is seen for the first time in its present configuration through aerial photos of 2006 (Figure 3). A previous aerial from 1998, the closest to the 2006 aerial, shows three lots with profuse vegetation. The southern lot also shows the remains of what appears to be a residential unit.

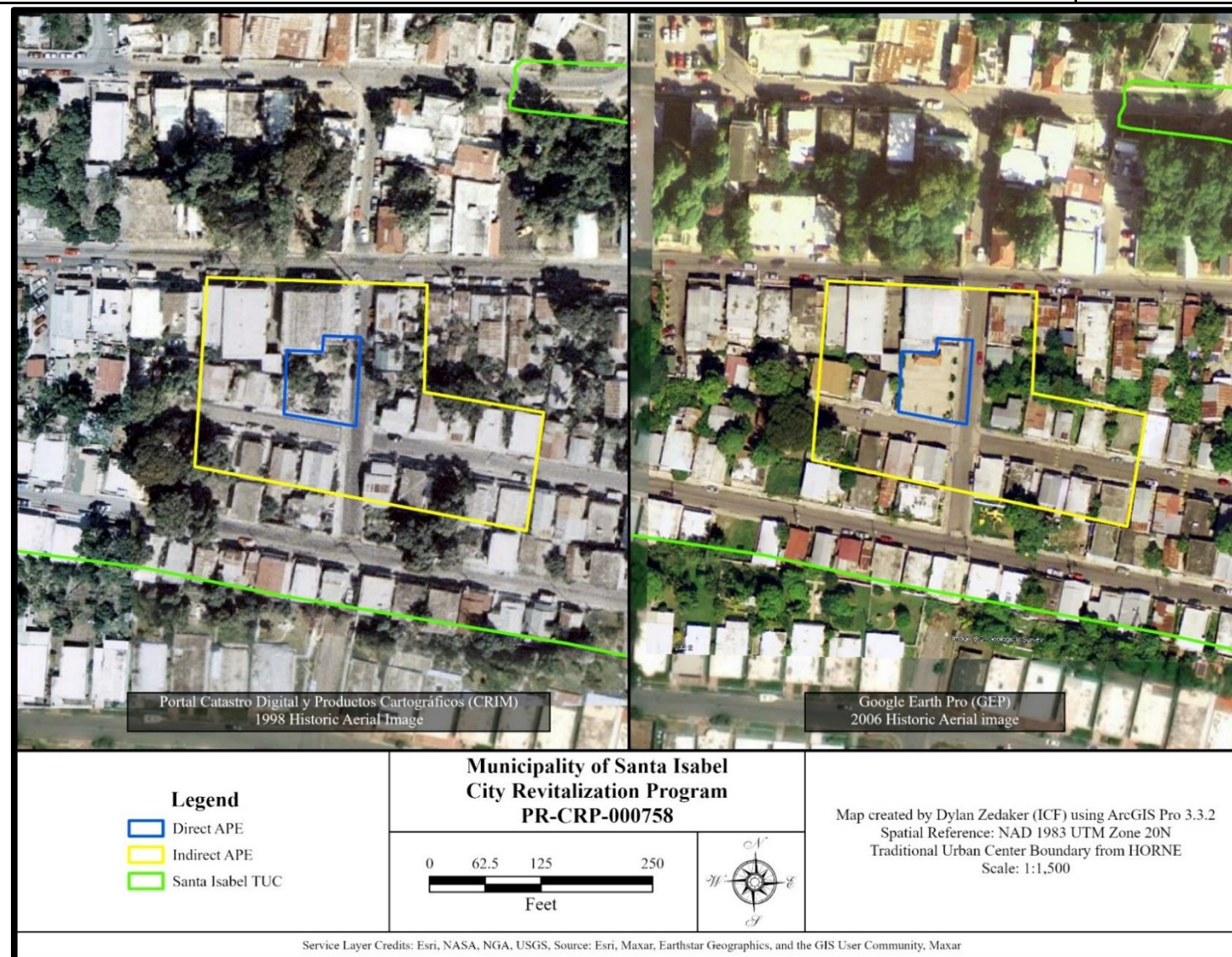
Other than the surrounding NRHP-eligible Sana Isabel Centro Urbanos, the visual effects of the APE for the Renovations of Plaza Los Trovadores Eusebio Guzman will not be visible from any eligible NRHP property within ¼ mile of the proposed project (See Figure 2). The potential visual effects of the proposed undertaking on the Santa Isabel Centros Urbanos itself would be limited to the plaza last revitalized ca. 2002. Consequently, the proposed undertaking will have no indirect effects that diminish or alter the historic character-defining setting of the NRHP-eligible Santa Isabel Centros Urbanos.

## Environmental Setting

The APE is situated within the discontinuous coastal plains physiographic province (Gonzalez 2009; Monroe 1976: 7). The discontinuous coastal plains are nearly flat plains that slope upward from the shore to the foothills of the interior of Puerto Rico, with points of low relief commonly occupied by lagoons, mangrove swamps, ultimately grading into the alluvial plains of Puerto Rico's major rivers (Monroe 1976: 7-8). While isolated inselbergs may be found throughout the discontinuous coastal plains, the majority of the underlying geology dates to the Quaternary age and consists of sand, clay, and gravel deposited in flood plains and alluvial fans of rivers, in coastal and river swamps, and as dunes along the beaches (Monroe 1976: 8). Sandstone is present throughout as eolianite, primarily as beachrock, but also often underlays dunes formed during the Pleistocene.


The APE is located approximately 0.75 miles north by northeast of the coast, Playa de Santa Isabel. Elevations within the APEs vary, but the average elevation above mean sea level (amsl) is approximately 9.5 meters. The Project APEs are located 0.21 mi west of Canal de Florida and 1.25 mi east of Río Coamo. The Project APEs are located in a heavily urbanized sector of the NRHP-eligible *Santa Isabel Centros Urbanos*. All surfaces within the direct APE are paved. As such, 100% of the soil within the direct APE is classified by the USDA as Urban land-San Anton complex soil series (Us) located on 0 to 2 percent slopes within flood plains. The Us soil series is characterized as well-drained but is subject to occasional flooding (USDA 2025). Soil data from USDA is illustrated in Figure 4.

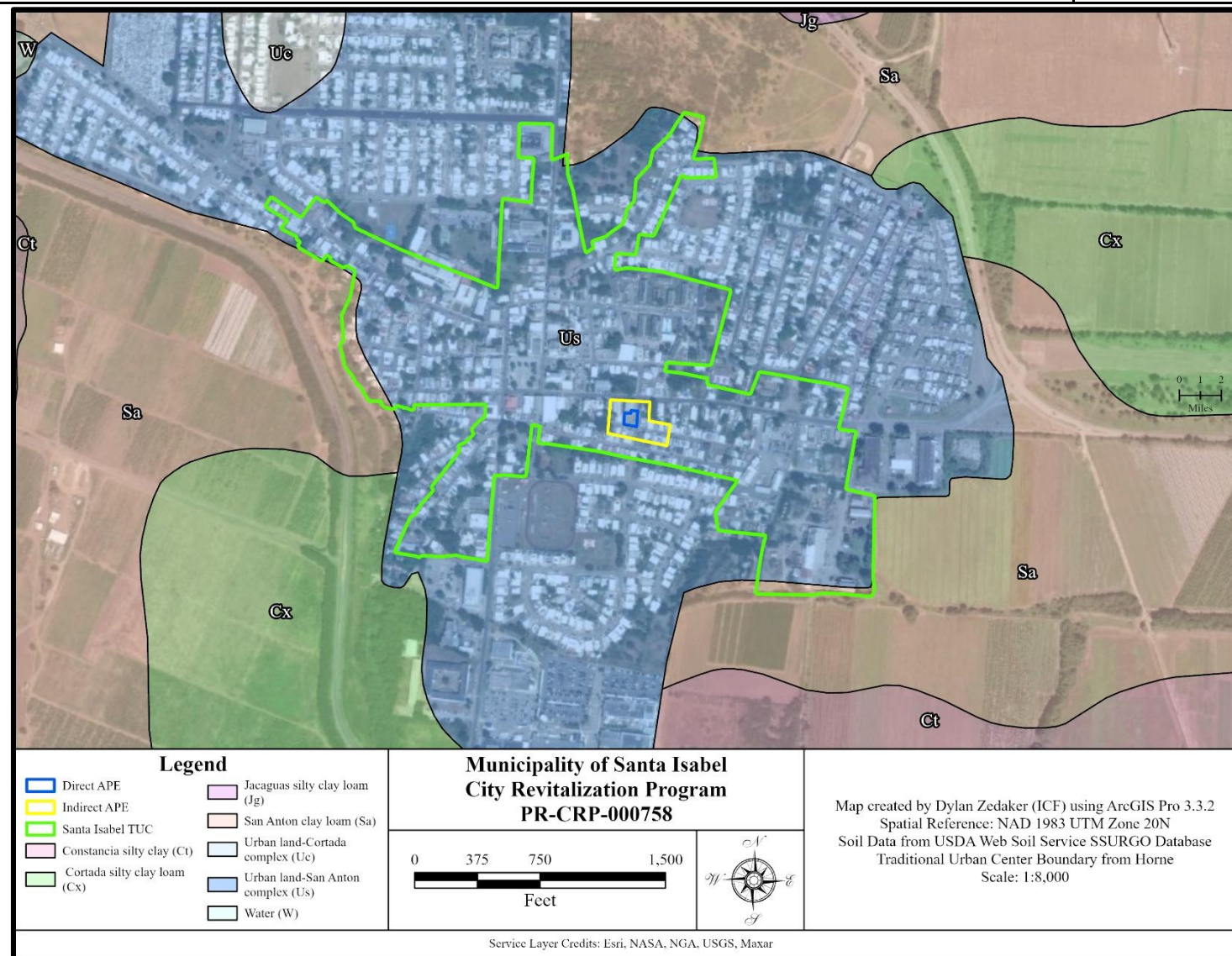
<b>Puerto Rico 2017 Disaster Recovery, CDBG-DR Program</b> <b>City Revitalization Program (City-Rev)</b> <b>Section 106 NHPA Effect Determination</b>		
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**Figure 3.** Construction of the Plaza Los Trovadores Eusebio Guzman ca. 2002 (1998 to 2006)



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**Figure 4.** Project (Parcel) Location – Soils Map

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## Historic Context/Cultural Setting

### *Pre-Contact Culture History of the APE*


Pre-contact cultural history in Puerto Rico has largely been defined through the use of archaeological cultures, as it is impossible to know the true names and ethnic affiliations of the peoples who inhabited the island prior to European colonization in the 15<sup>th</sup> and 16<sup>th</sup> centuries. Five major archaeological periods have been identified in Puerto Rico, with exact date ranges varying depending on the specific context: the Preceramic or Archaic Period (ca. 4000 BCE – 200 CE), Agro-alfarero I (ca. 250 BCE – 600 CE), Agro-alfarero II (ca. 600 CE – 1200 CE), Agro-alfarero III (ca. 1200 – 1500 CE), and the Historic period (1493 CE – present).

Within modern-day Santa Isabel, 24 pre-contact archaeological sites have been identified, covering the full range of previously identified cultural periods mentioned above. Representative examples of sites from each period within Santa Isabel are listed below in Table 3. El Cayito (SI0100007) is a large multi-component site first excavated in 1875 that has been recommended NRHP-eligible. The archaic component of the site has since become inundated by rising sea levels and is subject to ongoing research, as is the area surrounding Bolívar Maldonado's house. Diagnostic ceramics recovered from the site include both the Ostiones and Santa Elena styles dating to Agro-alfarero II, as well as Capá, Boca Chica, and Esperanza styles dating to Agro-alfarero III. While not directly within the project APEs, the cultural history of Santa Isabel, based on extensive archaeological analysis at key sites such as El Cayito, indicates human habitation of the area stretching back to at least 4000 BCE. At the time of European contact and colonization, the Taíno lived in settlements throughout modern-day Santa Isabel.

**Table 3.** Representative archaeological sites for each pre-contact archaeological period within modern-day Santa Isabel<sup>7</sup>

Archaeological Period	Date Range	Representative Sites within Santa Isabel
Archaic - Preceramic	4000 BCE – 200 CE	Jauca III (SI0100003), Aeropuerto (SI0100005), Los Indios II (SI0100010)
Agro-alfarero I (Saladoide)	250 BCE – 600 CE	Pieza Mejías (SI0100021), Los Cuarteles residuaries (SI0100022)
Agro-alfarero II (Ostionide)	600 CE – 1200 CE	Las Ollas (SI0100006), Jauca V (SI0100008)
Agro-alfarero III (Taíno)	1200 CE – 1500 CE	Jauca I (SI0100001)
Multi-Component	4000 BCE – 1500 CE	El Cayito (SI0100007)

<sup>7</sup> Information in this table is summarized from *Información Arqueológica del Municipio de Santa Isabel* compiled by the PRSHPO.

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### *Historical Background of the APE*


The geography of what is today known as Santa Isabel was crucial to the foundation of the municipality. Surrounded by Río Coamo from north to west, Río Jueyes to the east and with direct access to the Caribbean Sea through the south, Santa Isabel corresponds to the alluvial plain of the southern coastal plain making it one of the most fertile lands in Puerto Rico.

During Spaniard colonial times Santa Isabel was part of the rural coastal Coamo, and it was known as Coamo Bajo or Lower Coamo. Its economic development as an independent municipality would have to wait until the eighteenth (XVIII) century when some Coamo neighbors established cattle, coffee and tobacco farms. The foundation of Santa Isabel officially occurred October 5th, 1842, by order of Governor Santiago Méndez Vigo in response to request made by Don Antonio Vélez a year before. Since its foundation and during United States of America occupation of 1898 Santa Isabel has been known for growing sugar cane. Production of sugar and other by-products continued until the 1980s.

For 1853, the town square, located on land donated by Santa Isabel's first mayor – Don José de Zayas – had two main streets, la Marina and la Culebra, and six (6) boroughs: Felicia, Jauca, Boca Velázquez, Descalabrado, Playa and Pueblo. The undertaking is located within the latter. Through the 19<sup>th</sup> century (1881) Spanish military map on next page (Figure 5) the limit of the town to the east is basically a structure adjacent to the church. The structure is aligned with the street to Salinas (“Ca. a Salinas”), now named Ave. Muñoz Rivera / PR-1, but no development or structure could be located within or close to the area of the APE.


The lot where the project takes place had a rectangular structure as early as 1931 (Figure 6). The structure cannot be identified in an aerial picture of 1958 (Figure 7), but the addition of two streets framing the east and the south limits of the lots is observed. The eastern street that runs from north to south is now known as Calle Dr. Modesto Vélez and the southern street that runs from west to east is known as Calle Jorge Zayas Pedrego. The presence of the structure can be confirmed through the aerials of 1967 (Figure 8) and 1983 (Figure 9).

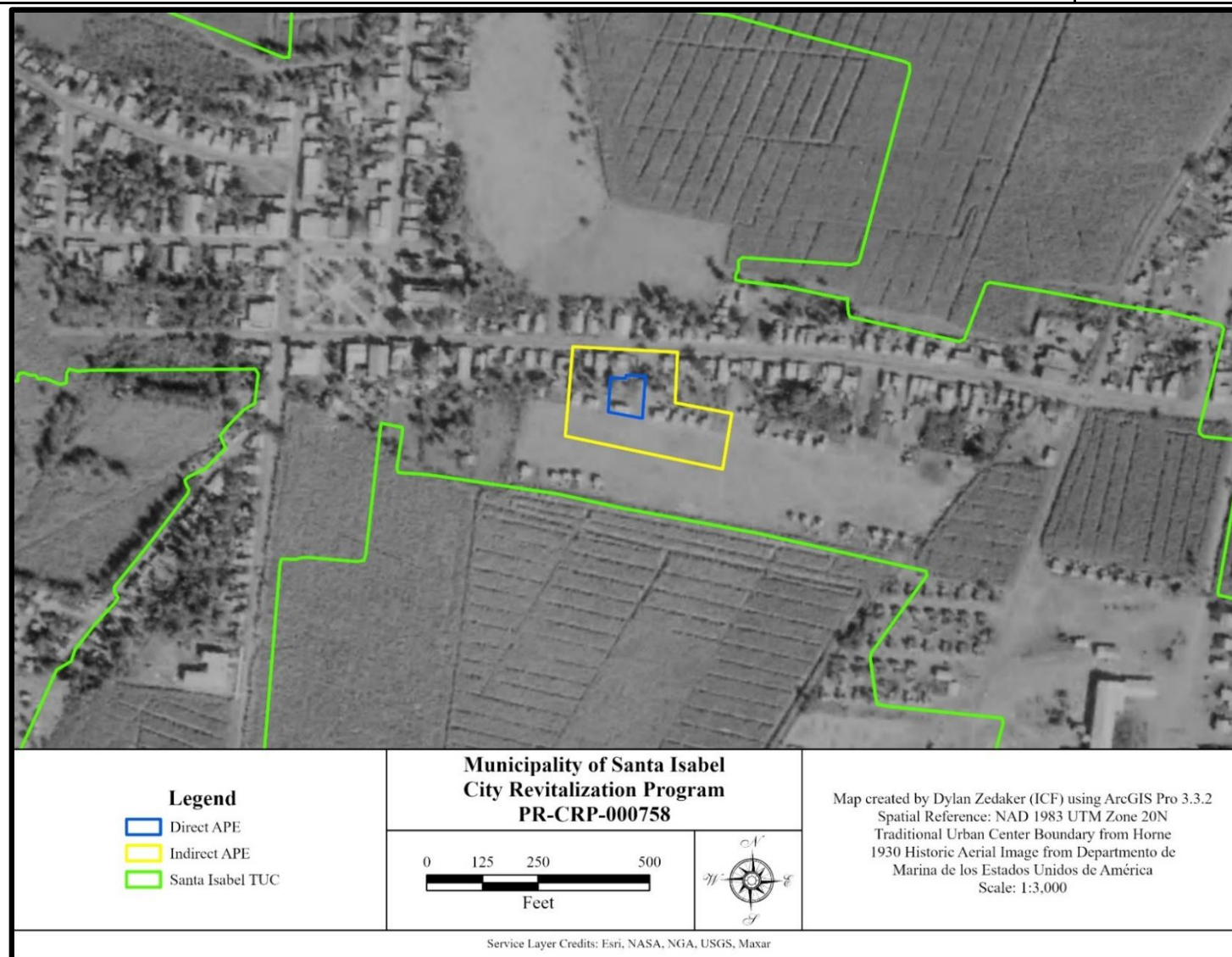


<b>Puerto Rico 2017 Disaster Recovery, CDBG-DR Program</b> <b>City Revitalization Program (City-Rev)</b> <b>Section 106 NHPA Effect Determination</b>	 <b>DEPARTMENT OF HOUSING</b> <small>GOVERNMENT OF PUERTO RICO</small>
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**Figure 5.** Sketches and statistical data of the town of Santa Isabel. Date: 1884.  
Source: Cartographic and Geographic Studies Archive of the Army Geographic Center.

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**Figure 6.** Project (Parcel) Location – Puerto Rico Dept. of Transportation and Public Works Historic Aerial Image (1931)



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**Figure 7.** Project (Parcel) Location – USGS Earth Explorer Historic Aerial Image (1958)

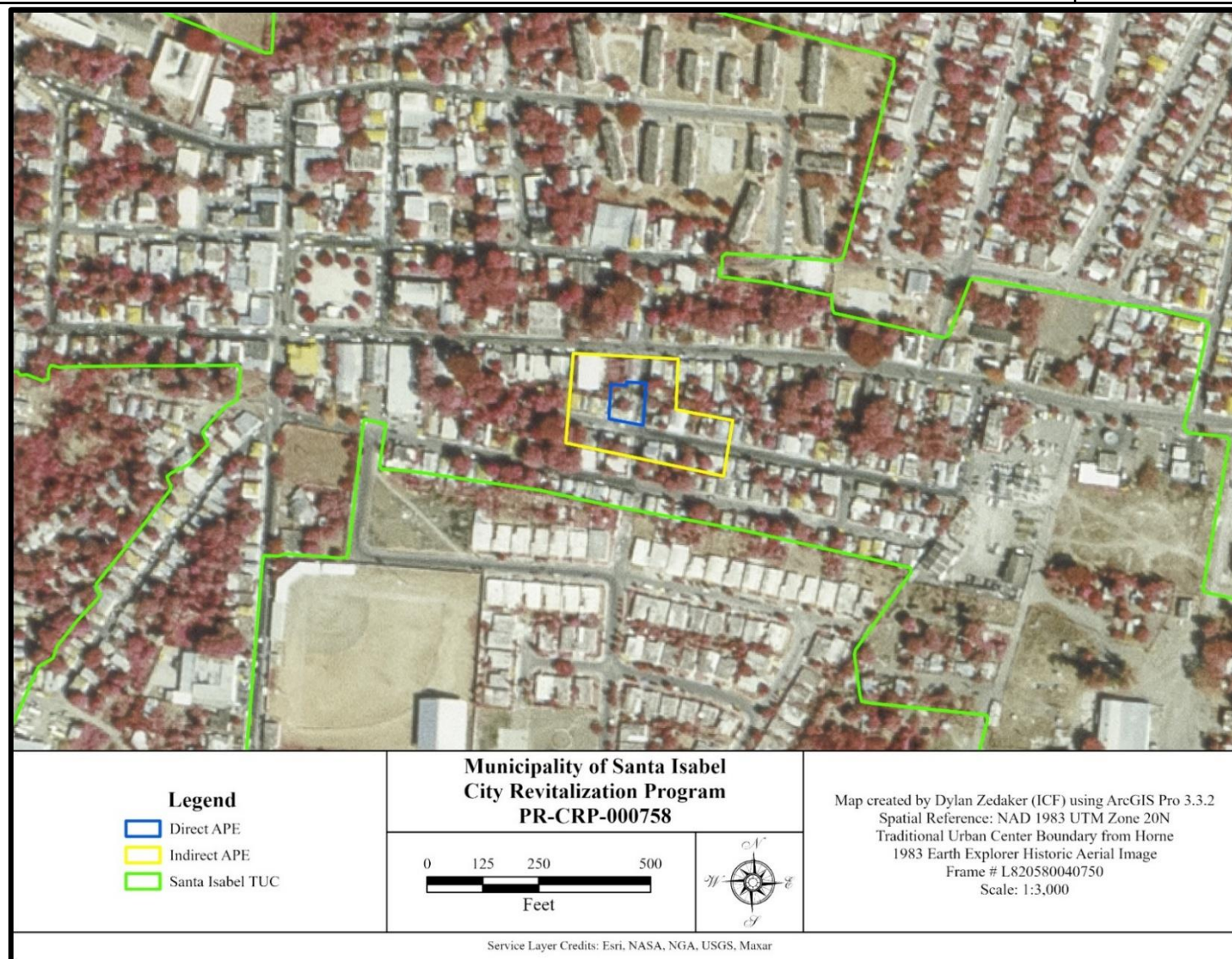
<b>Puerto Rico 2017 Disaster Recovery, CDBG-DR Program</b> <b>City Revitalization Program (City-Rev)</b> <b>Section 106 NHPA Effect Determination</b>		
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**Figure 8.** Project (Parcel) Location – USGS Earth Explorer Historic Aerial Image (1967)



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**Figure 9.** Project (Parcel) Location – USGS Earth Explorer Historic Aerial Image (1983)

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The aerial information complements the land's title history and documentation provided by archaeologist Harry E. Alemán Crespo, author of SHPO 01-14-98-04 which included both architectural and archaeological components. The latter cites part of the deed of segregation and transfer where Don Manuel Martínez Monserrate y Febu sold 23,010 square meters of land to the Municipality of Santa Isabel with number "Finca:549; Folio:115; Tomo 16" on the 28<sup>th</sup> of January of 1925. From this acquisition the municipality, in turn, transferred in usufruct and sold smaller lots including those in the direct APE with an area of 432.8535 square meters. The archaeologist explains that a house was located in the direct APE. As many on the surroundings, it was characterized by Carol F. Joplin as a "Criollo-Vernáculo" style. The house typology had a gable roof and a side balcony with concrete columns and balusters.

In the case of the house that existed on the undertaking plot, the archaeologist described and documented with pictures that only part of the balcony, two (2) columns and pink terrazzo tile floor were found because the house (solar#12 on croquis) was lost due to a fire in 1986, where three minors died.

Based on background research and the review of the historic images we can conclude that the lot was formed in 1925 by acquisition of the municipality and transfer in usufruct. Similarly, we can establish that the lot has been inhabited since then although evidence of housing is only evident in 1931. Additionally, we can conclude that the full conformation of the block occurs c. 1958 when the east street running from north to south and the south street running from west to east is evident in aerial photos. Lastly but not least, it is important to acknowledge that in 1986 a fire burnt the entirety of the existing residential structure and compromised the remaining portion. The Plaza de los Trovadores was a new construction c. 2002, which allows the structure to conform to Programmatic Allowances for being less than 45 years of age. See Figures 6 through 9 illustrate the project development overtime, using aerial imagery from 1931, 1958, 1967 and 1983.

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## Identification of Historic Properties – Archaeology

Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the direct and indirect 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 no previously recorded archaeological resources or historic properties are within either the direct or indirect APE. Nine (9) archaeological surveys have been conducted within the 0.25-mile research radius (Table 4; Figure 10), but none resulted in the identification of archaeological resources within that radius. Two cultural resource surveys, SHPO #06-06-94-06 (ICP/CAT SI-97-05-01) and ICP/CAT SI-03-09-01 resulted in the identification of cultural resources and they will be discussed below.

**Table 4.** Archaeological Cultural Resource Studies Within the Quarter-Mile Research Radius

Author	Phase/Title	Year	SHPO/IPRC ID	Results	Distance/ Direction to the APE
Harry E. Alemán Crespo	IA-IB, Proyecto Paseo del Trovador, Calle Dr. Modesto Vélez esquina Jorge Zayas, de Santa Isabel	1998	SHPO# 01-14-98-04	Negative	Within APE
Juan González Colón	IA-IB, Paseo Del Boulevard	1997	SHPO# 06-06-94-06 ICP/CAT SI-97-05-01	Positive	0.12 mi SW
Fernando Alvarado Munoz	Proyecto Mejoras al Area Recreativa PR 538 Barrio Pueblo, Santa Isabel Puerto Rico. Estudio Arqueologico Fase IA-18	2008	SHPO# 08-02-06-01	Negative	0.06 mi SW
Harry Alemán Crespo	IB, Santa Isabel Regional System East Intercepting Sewer, Phase I EPA Project No. C-72-132-08	1987	ICP/CAT SI-87-01-05	Negative	0.21 mi E
Harry Alemán Crespo	IA, Construcción De Terminal De Carros Públicos En La Calle Betances, Esquina Anselmi	1998	ICP/CAT SI-98-05-03	Negative	0.05 mi N
Adalberto Maurás Casillas	IA-IB, Centro De Gobierno De Santa Isabel	2002	ICP/CAT SI-02-07-03	Negative	0.20 mi SW
Antonio Daubón Vidal	Urbanización Alborada Park (Urbanización De Interés Social) Carr. Estatal #1, Km 176.1	2002	ICP/CAT SI-02-07-05	Negative	0.22 mi E
Marisol J. Meléndez Maíz	IA, Rehabilitación De La Plaza De Los Paders Fundadores Y Calles Aledañas, Santa Isabel.	2003	ICP/CAT SI-03-09-01	Negative	0.02 mi NW
Fernando Alvarado Muñoz	IA-IB, Estacionamiento Municipal Calle Betances	2008	ICP/CAT SI-08-11-01	Negative	0.03 mi NW



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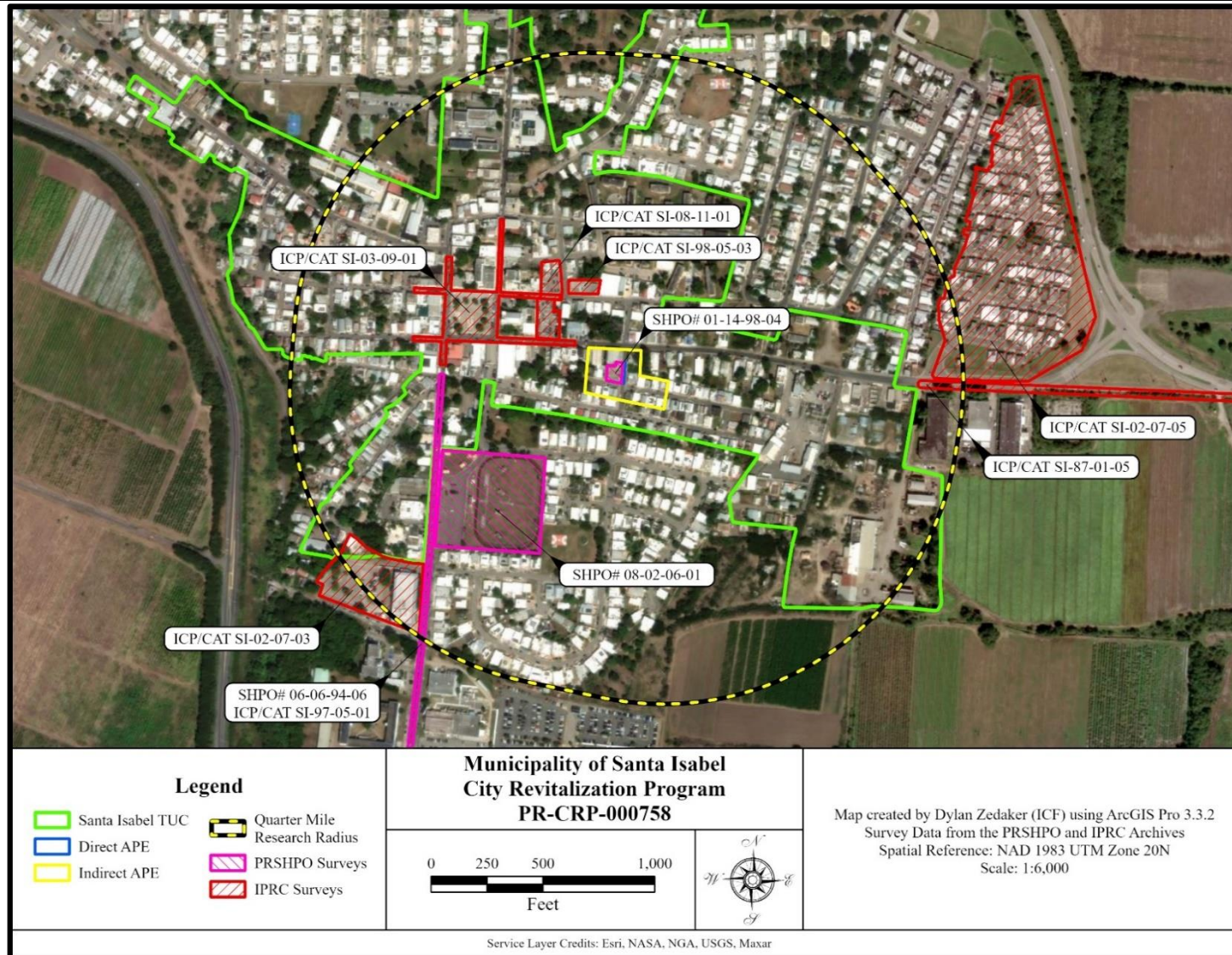
**Subrecipient:** Municipality of Santa Isabel

**Case ID:** PR-CRP-000758


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**City:** Santa Isabel, PR



**Figure 10.** Project (Parcel) Location – Previous Investigations – Aerial Map

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### *Previously Recorded Archaeological Sites and Cultural Resource Surveys*

In 1998, Harry E. Alemán Crespo led a Phase IA/IB survey (SHPO #01-14-98-04) in support of the development of *Plaza Los Trovadores*. Phase IA consisted of the systematic review of all pertinent literature and archives to gain a comprehensive understanding of the cultural history of the surrounding area (a total of 23,010 square meters were included in this review). Phase IB consisted of systematic pedestrian survey of the project area (432.85 m<sup>2</sup>) as well as two exploratory shovel tests, one in Lot 17 (ST C1) and one in Lot 12 (ST C2). The shovel tests conducted were approximately 50 cm x 50 cm in length and width and were terminated at approximately 60 cm below ground surface (cmbgs). Two strata were encountered during these shovel tests. Grayish brown clay mixed with modern debris was encountered from 0 to approximately 30 cmbgs in ST C1 and 35 cmbgs in ST C2. In both tests this layer was underlain by a sterile layer of dark brown clay mixed with heavy gravel from 30/35 cmbgs to termination at 61 cmbgs (ST C1) and 62 cmbgs (ST C2). Both shovel tests resulted in negative findings for cultural resources and indicate high levels of ground disturbance within the direct APE.

Crespo noted that the remains of Mrs. Maria Minerva Oppenheimer's residence, which was destroyed in an arsonist attack in 1986, were present within Lot 12 and the foundations of associated structures were present in Lot 17. Within Lot 12, fragmented remains of the balcony including the columns and the terrazzo flooring were present at the time of the survey. These architectural remnants were not preserved nor were they identified as potentially NRHP-eligible. While their fate is not explicitly mentioned in the report, all available evidence indicates that they were either removed or rendered unrecognizable during the construction of Plaza Los Trovadores. Therefore, while scattered historic remains may be found throughout the project area, they are not associated with a potentially NRHP-eligible or intact archaeological site.

In 2003, Marisol J. Meléndez Maíz led a Phase IA cultural resource survey (ICP/CAT SI-03-09-01) in support of the revitalization of Plaza de Los Padres Fundadores and Calles Aledañas in Santa Isabel approximately 0.02 mi northwest of the APE. The Phase IA survey consisted of a systematic review of all pertinent literature and historic archives to identify potentially eligible or listed historic properties and archaeological sites in addition to a pedestrian survey of the project area. As a result of their background research, the authors concluded that Santa Isabel Centros Urbanos is a high probability area for encountering potentially eligible precontact and post-contact archaeological sites. No systematic archaeological investigations were included in the scope of this cultural resource survey. Despite this, the authors recommended



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Phase II and Phase III surveys prior to project implementation.

In 1997, Juan González Colón led a Phase IA/IB cultural resource survey (SHPO #06-06-94-06; ICP/CAT SI-97-05-01) in support of “Proyecto Paseo Del Boulevard” located approximately 0.12 mi SW of the APE. The Phase IA portion of the survey consisted of a systematic review of all pertinent literature and historic archives to identify potentially NRHP-eligible or -listed historic properties and archaeological sites in addition to a pedestrian survey of the project area. Nine archaeological sites and fourteen historic properties were included in this documentary research. One archaeological site was identified during the pedestrian survey, a pre-contact ceramic, shell, and lithic scatter approximately 100 m west of the APE boundary. Phase IB entailed systematic archaeological investigation of the entire APE, amounting to a total of thirty-three (33) shovel tests being conducted approximately 25 m apart. All 33 tests resulted in negative findings and the authors recommended that the project proceed as planned, with the condition that construction crews exercise extreme caution in the event of an inadvertent discovery.

### *Summary*

No previously recorded archaeological sites were identified within the 0.25-mile research radius of the APE. Nine cultural resource surveys have taken place within the research radius, one of which overlaps with the direct APE (SHPO #01-14-98-04) and one of which reported positive results for archaeological resources (SHPO #06-06-94-06; ICP/CAT SI-97-05-01). In 1997, Juan González Colón led a Phase IA/IB cultural resource survey (SHPO #06-06-94-06; ICP/CAT SI-97-05-01) that resulted in the identification of a precontact ceramic and shell scatter approximately 100 m west of the Proyecto Paseo del Boulevard APE boundary. Subsequent systematic shovel testing of the APE resulted in negative findings. In 1998, Harry E. Alemán Crespo led a Phase IA/IB survey (SHPO #01-14-98-04), entitled Proyecto Paseo del Trovador, in support of the initial construction of Plaza Los Trovadores. Shovel testing of the Proyecto Paseo del Trovador APE resulted in negative findings. Scattered architectural remains were present within the APE at the time of the survey, but they were neither preserved nor recommended eligible.

While Crespo noted the remnants of architectural remains on both lots included in the Proyecto Paseo del Trovador APE, these architectural remains were either destroyed or removed during the construction of Plaza los Trovadores. While it may be anticipated to encounter scattered historic remains within the APE, these remains are not associated with

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either an intact or potentially NRHP-eligible site. During Phase IB shovel testing of the Proyecto Paseo del Trovador APE, Crespo documented an approximately 30 cm layer of grayish brown clay mixed with modern trash and debris underlain by another 30 cm layer of sterile dark brown clay mixed with heavy gravel (tests terminated at approximately 60 cm below ground surface). The construction of Plaza los Trovadores subsequent to Crespo's investigation undoubtedly resulted in further ground disturbance. Crespo's results combined with a thorough review of available aerial photography substantiate the USDA classification of soils within the direct APE under the Urban land-San Anton complex soil series (Us), which is characterized by significant degrees of disturbance as a result of urbanization and development. Surfaces within the direct APE are largely paved and are underlain by layers of highly disturbed clay. Therefore, based on all available evidence, there is low potential for encountering unknown, intact, and potentially NRHP-eligible archaeological sites within the direct APE.

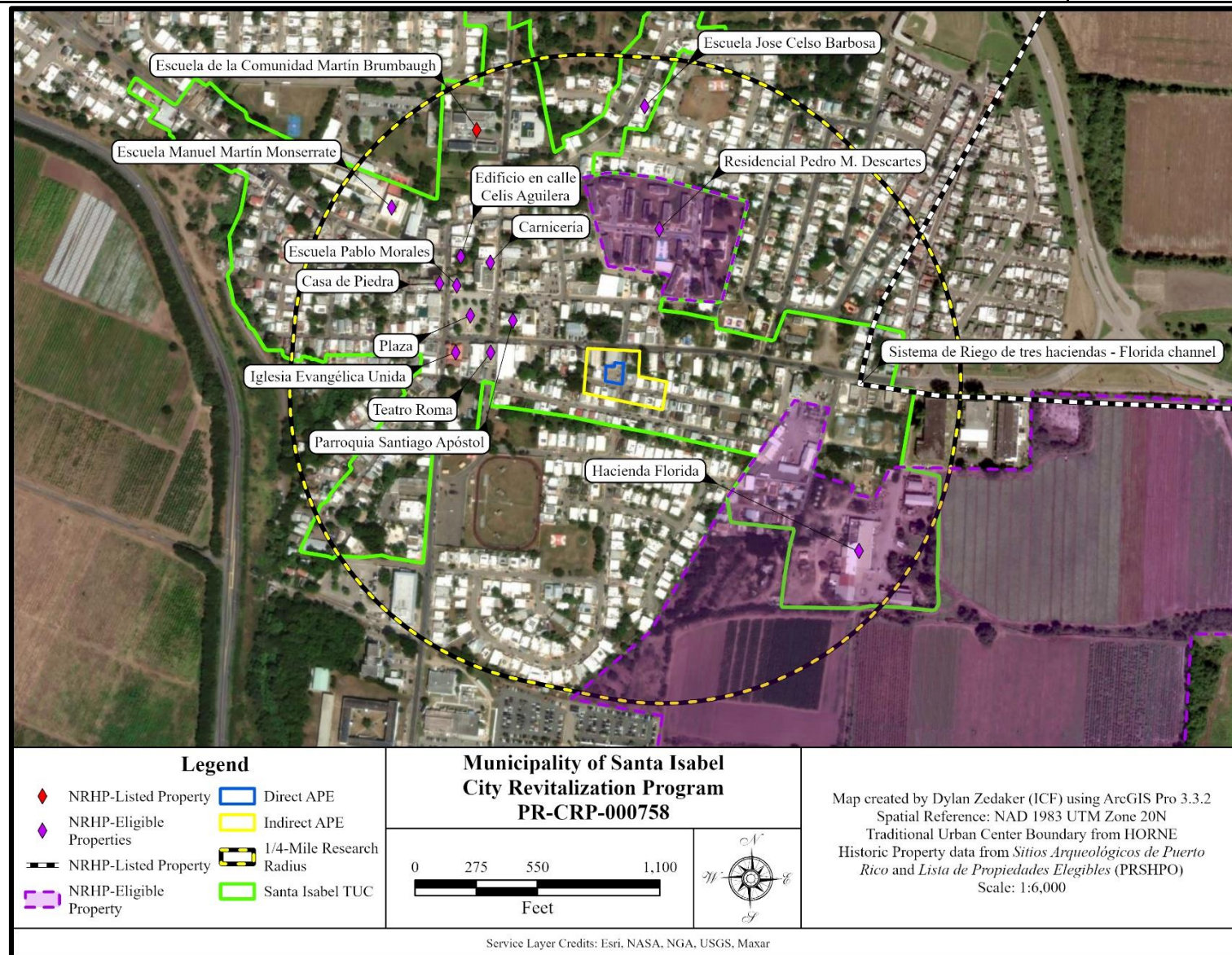
## Identification of Historic Properties – Architecture

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 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 Santa Isabel TUC, eligible for inclusion in the NRHP as a historic district.

While doing research to identify Historic Properties within 0.25 miles of the APE, a full inventory of Architecture was found. PRSHPO developed the "Inventario de Arquitectura de Santa Isabel (2009) OECH". The document was prepared with the information gathered through the Historic Preservation Funds (HPF) Project 2010-2011, Grant No. 72-10-21962, titled "*Reconocimiento General del Centro Urbano del Municipio de Santa Isabel*". This document was prepared prior to the PRSHPO's 2020 Inventory and was crucial to confirm that no eligible or potential property exists within the APE.


Figure 11 illustrates those historic properties (NRHP listed and eligible) located within the 0.25-mile research radius of the APE. Table 5 identifies NRHP listed historic properties within 0.25-mile research radius of the APE and Table 6 lists NRHP eligible properties based on PRSHPO's 2020 Inventory, within 0.25-mile research radius.

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**Figure 11.** Project (Parcel) Location of Identified Architectural Resources – Aerial Map



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**Table 5.** NRHP-Listed Historic Properties Within the 0.25-mile Research Radius of the Indirect APE

Historic Property Name	NRHP ID Number	SHPO and/or ICP Number	NRHP Status (Listed, Eligible, Non-Eligible, No Data, Pending, Locally Listed)	Lat./Long. (dec. degrees)	NRHP Criterion	Approx. Date	Distance /Direction to the APE
Escuela de la Comunidad Martín Brumbaugh	10001217	-	Listed	17.967767, -66.404151	C-Architecture, A-Social History, Education	1906-1932	0.21 mi NW
Sistema de Riego de tres haciendas	16000853	ICP SI-53; SHPO SI0200031	Listed	17.979644, -66.389522	A-Agriculture C-Engineering	1840-1898	0.16 mi E

**Table 6.** NRHP-Eligible Historic Properties Within the 0.25-mile Research Radius of the Indirect APE (Per the PRSHPO 2020 Inventory)

Historic Property Name	Cadaster Number	SHPO and/or ICP Number	NRHP Status	Latitude/ Longitude	Area of Significance	Approx. Date	Distance/ Direction to the APE
Hacienda Florida	437-000-003-09-000 437-000-003-09-002	SI0200008	Eligible	17.962609, -66.396999	History	c. 1907	0.21 mi SW
Escuela Jose Celso Barbosa	415-096-004-16	SI0200025	Eligible	17.967764, -66.403859	Architecture; History	1923	0.21 mi NW
Casa de Piedra	437-006-009-24-001	SI0200028	Eligible	17.965779, -66.404798	Colonial	1850	0.12 mi NW
Escuela Manuel Martín Monserrate	415-095-040-01	-	Eligible	17.966451, -66.405465	Education	1944-1952	0.21 mi NW
Parroquia Santiago Apóstol	437-006-019-21	-	Eligible	17.965341, -66.403912	Religious	1890-1896	0.07 mi NW
Iglesia Evangélica Unida	437-006-023-43	-	Eligible	17.964952, -66.404579	Religious	1904	0.11 mi W
Plaza	437-006-018-01	-	Eligible	17.965366, -66.404403	History	c. 1845	0.10 mi NW
Edificio en calle Celis Aguilera	437-006-009-10	-	Eligible	17.966114, -66.404603	Architecture, History	1920	0.14 mi NW
Residencial Pedro M. Descartes	415-096-042-11	-	Eligible	17.965802, -66.401556	Construction	1954	0.05 mi N
Carnicería	437-006-010-09	-	Eligible	17.965988, -66.404104	Architecture, History	c.1950	0.11 mi NW
Teatro Roma	437-006-023-03	-	Eligible	17.964959, -66.404106	Architecture, History	1940	0.08 mi W
Escuela Pablo Morales	437-006-010-13	-	Eligible	17.965745, -66.404573	Architecture, History	1914	0.12 mi NW


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Table 6 lists the properties within the Indirect APE that were surveyed in the SHPO survey, “Inventario de Arquitectura de Santa Isabel (2009) OECH”. Based on this survey, no NRHP eligible properties were identified.


The properties are listed by block number and cadaster following the SHPO document referenced earlier. Figure 12 provides an aerial image identifying these properties within the indirect APE.

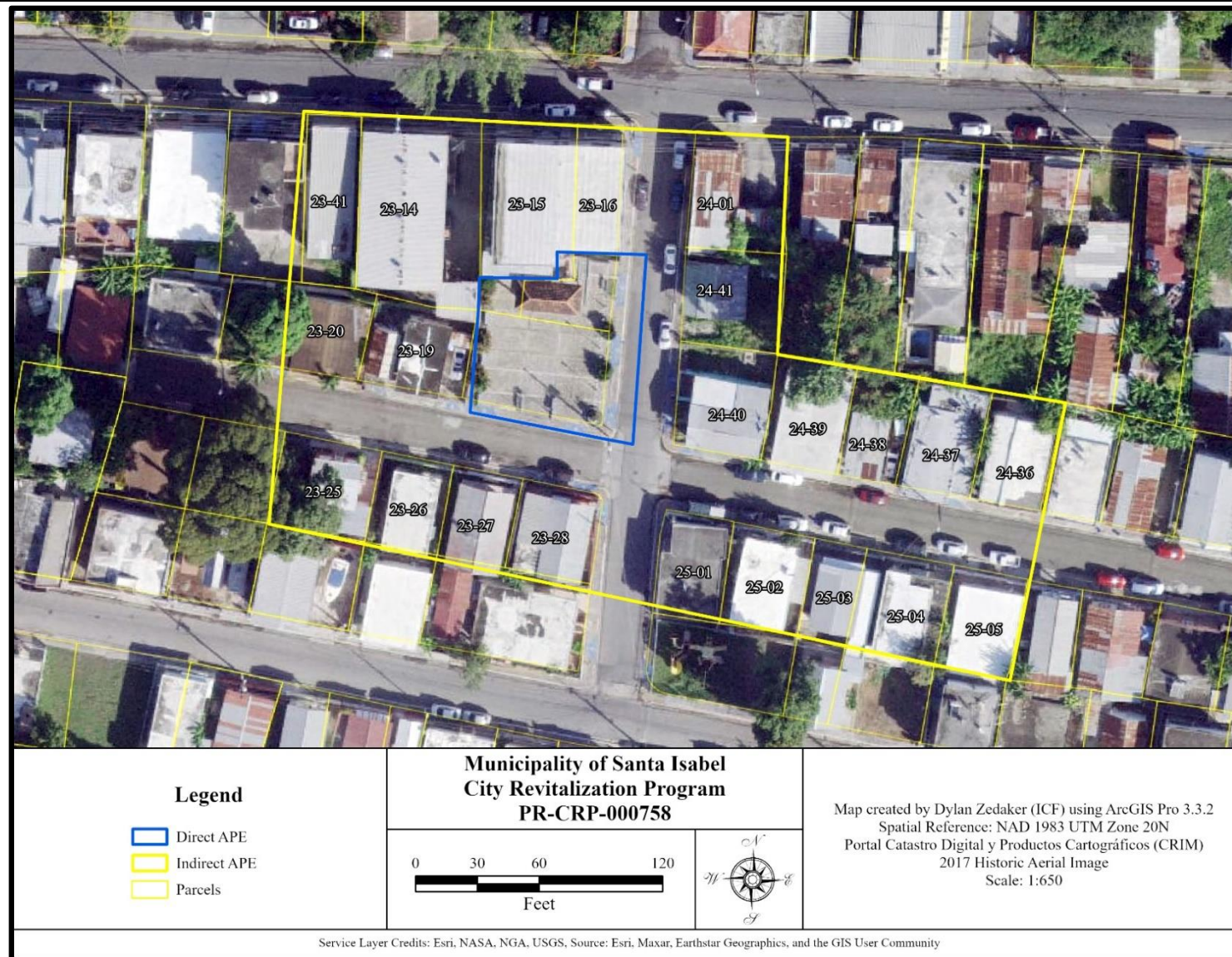
**Table 7.** Analysis of Properties and their Eligibility Potential within the Indirect APE

Block and Number <sup>8</sup>	Cadaster (CRIM)	Eligibility Potential <sup>9</sup>
23-16	437-006-023-16-001	None
23-15	437-006-023-15-001	None
23-14	437-006-023-14-000	None
23-41	437-006-023-41-998	None
23-20	437-006-023-20-000	None
23-19	437-006-023-19-000	None
23-25	437-006-023-25-000	None
23-26	437-006-023-26-000	None
23-27	437-006-023-27-000	None
23-28	437-006-023-28-000	None
24-01	437-006-024-01-901	None
24-41	437-006-024-41-001	None
24-40	437-006-024-40-000	None
24-39	437-006-024-39-001	None
24-38	437-006-024-38-000	None
24-37	437-006-024-37-001	None
24-36	437-006-024-36-001	None
25-01	437-006-025-01-001	None
25-02	437-006-025-02-000	None
25-03	437-006-025-03-000	None
25-04	437-006-025-04-001	None
25-05	437-006-025-05-001	None

<sup>8</sup> Block and number taken from SHPO “HPF 2010-2011 Reconocimiento general del centro urbano del Municipio de Santa Isabel, Grant #72-10-21962”


<sup>9</sup> Eligibility potential obtained from SHPO “Inventario General de Recursos Arquitectónicos de Puerto Rico, Ficha de la Propiedad Inventariada”

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**Figure 12.** Properties within the Indirect APE– Aerial Map




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## Determination

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 located within the NRHP-eligible Santa Isabel TUC. Analysis of available aerial and topographic imagery in addition to documentation pertaining to the construction of Plaza Los Trovadores reveals that the current plaza was developed ca. 2002 with CDBG regular funds; substantially modifying the residential character of the project context. As such, Plaza Los Trovadores is neither historic nor a contributing property to the NRHP-eligible Santa Isabel Centros Urbanos.

### *Direct Effect:*

- Archaeological Historic Properties:** Analysis of archaeological resources and surveys within the 0.25-mile research radius revealed no previously identified archaeological sites within either the direct or indirect project APE. Within the direct APE, a previous Phase IA/IB survey (SHPO #01-14-98-04) led by Harry E. Alemán Crespo resulted in negative findings for archaeological resources. While Crespo noted the presence of architectural remains during the Phase IB survey, these remains were neither recorded as an archaeological site nor determined to be potentially eligible. Subsequent to this survey, Plaza Los Trovadores was constructed, resulting in significant ground disturbance and further degrading the integrity of the architectural remains noted above. Plaza Los Trovadores is neither historic nor a contributing element to the NRHP-eligible Santa Isabel Centros Urbanos. The potential of encountering unknown, intact, and potentially NRHP-eligible archaeological resources within the project APE is minimal. Therefore, a finding of No Adverse Effect is recommended.
- Architectural Historic Properties:** Plaza Los Trovadores was constructed circa 2002 and as such is neither historic nor a contributing element to the NRHP-eligible Santa Isabel TUC. The only direct effect is due to the removal/demolition of noncharacter defining features that lack design, materials, and workmanship, such as existing planters, removal of urban furniture, and removal of lighting posts, curbs, gutters, and sidewalks. Therefore, a finding of No Adverse Effect is recommended.


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*Indirect Effect:*

The APE can be accessed through Dr. Modesto Velez Street from the East, and Jorge Zayas Pedrogo Street from the south. The Indirect effect on the streets will be during construction only due to heavy machinery passing and material management. The project has the potential to introduce visual elements that diminish or alter the setting of a historic property, specifically the NRHP-eligible Santa Isabel Centros Urbanos. However, that setting has already been altered because the lots now known as the Plaza Los Trovadores Eusbio Guzman changed substantially over time (See Figures 3 and 6 through 9) and were last re-constructed ca. 2002.

Other than the surrounding NRHP-eligible Sana Isabel Centro Urbanos, the visual effects of the APE for the Renovations of Plaza Los Trovadores Eusebio Guzman will not be visible from any eligible NRHP within ¼ mile of the proposed project (See Figure 10). The potential visual effects of the proposed undertaking on the Santa Isabel Centros Urbanos itself would be limited to the plaza last revitalized ca. 2002.

Consequently, the proposed undertaking will have no indirect effects that diminish or alter the historic character-defining setting of the NRHP-eligible Santa Isabel Centros Urbanos. Therefore, a finding of No Adverse Effect is recommended.

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**Recommendation (*Please keep on same page as SHPO Staff Section*)**

The Puerto Rico Department of Housing requests that the Puerto Rico SHPO concur that the following determination is appropriate for the undertaking (Choose One):

☐ No Historic Properties Affected

☒ **No Adverse Effect**


Condition (if applicable): N/A

☐ 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 ancela State Historic Preservation Officer	Date:

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**Project (Parcel) Location – Area of Potential Effect Map (Aerial)**



**Project (Parcel) Location - Aerial Map**



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**City Revitalization Program (City-Rev)**  
**Section 106 NHPA Effect Determination**

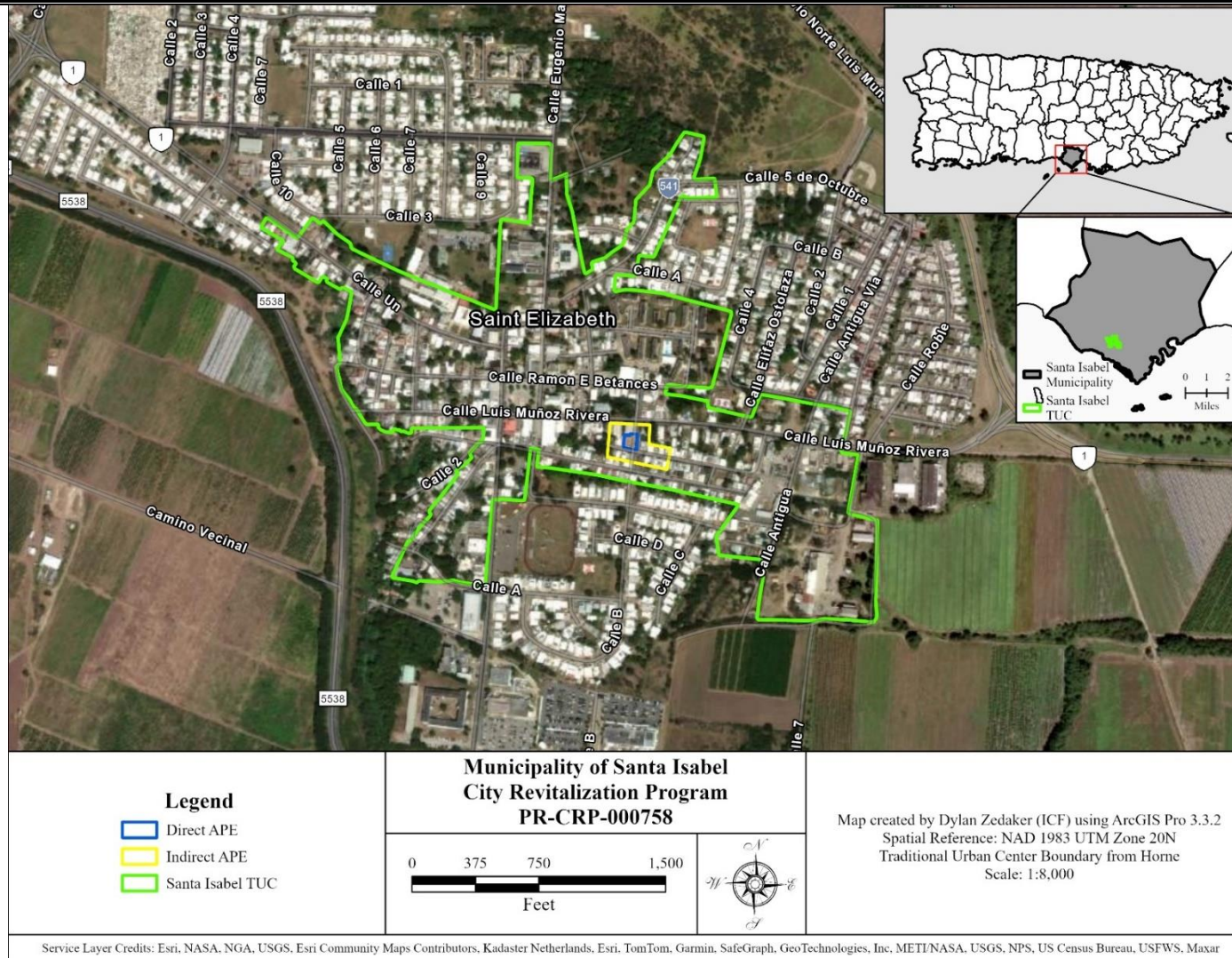
**Subrecipient:** Municipality of Santa Isabel

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**Project (Parcel) Location – USGS Topographic Map**



**Puerto Rico 2017 Disaster Recovery, CDBG-DR Program**  
**City Revitalization Program (City-Rev)**  
**Section 106 NHPA Effect Determination**

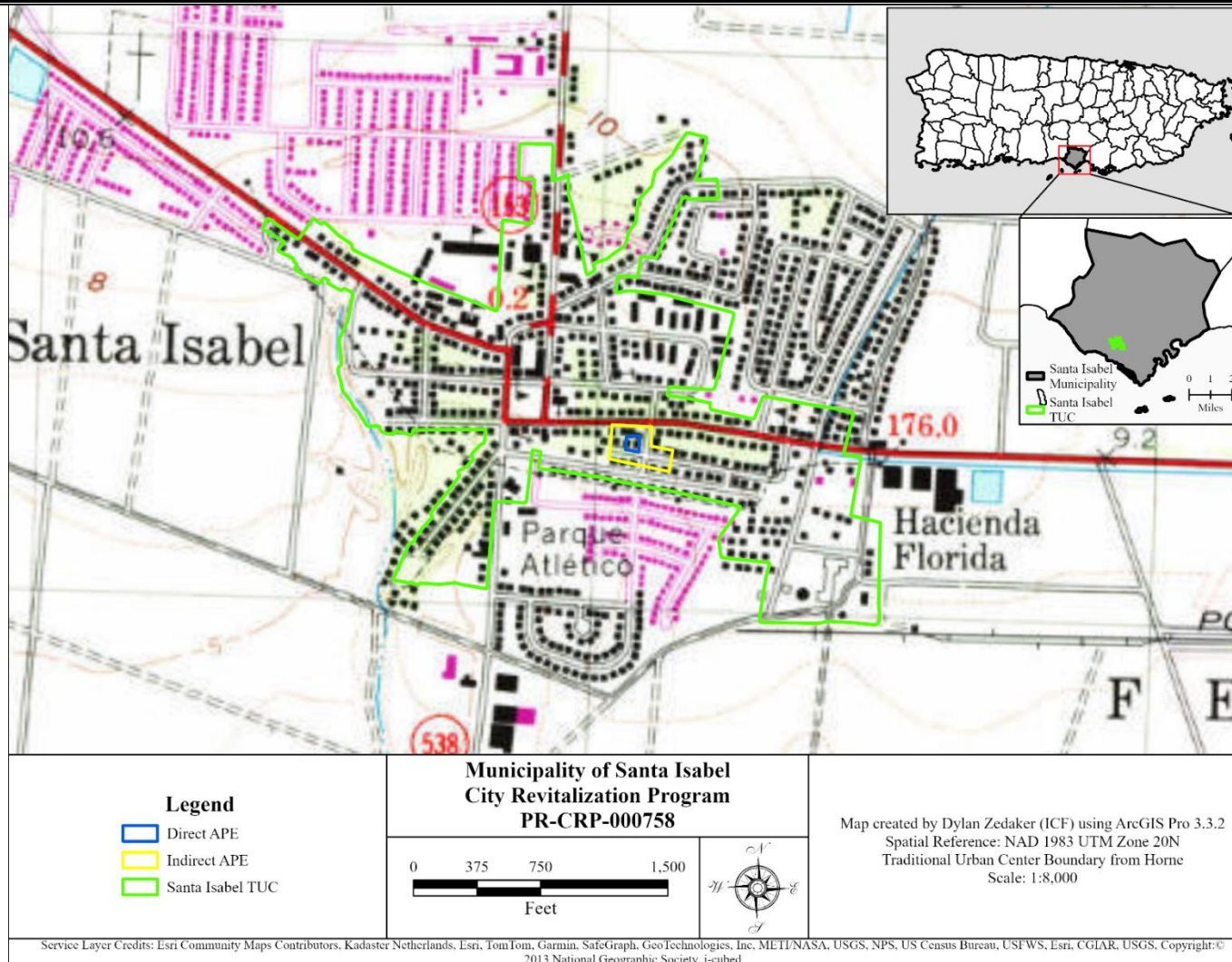
**Subrecipient:** Municipality of Santa Isabel

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**Project (Parcel) Location – Soils Map**

**Puerto Rico 2017 Disaster Recovery, CDBG-DR Program**  
**City Revitalization Program (City-Rev)**  
**Section 106 NHPA Effect Determination**

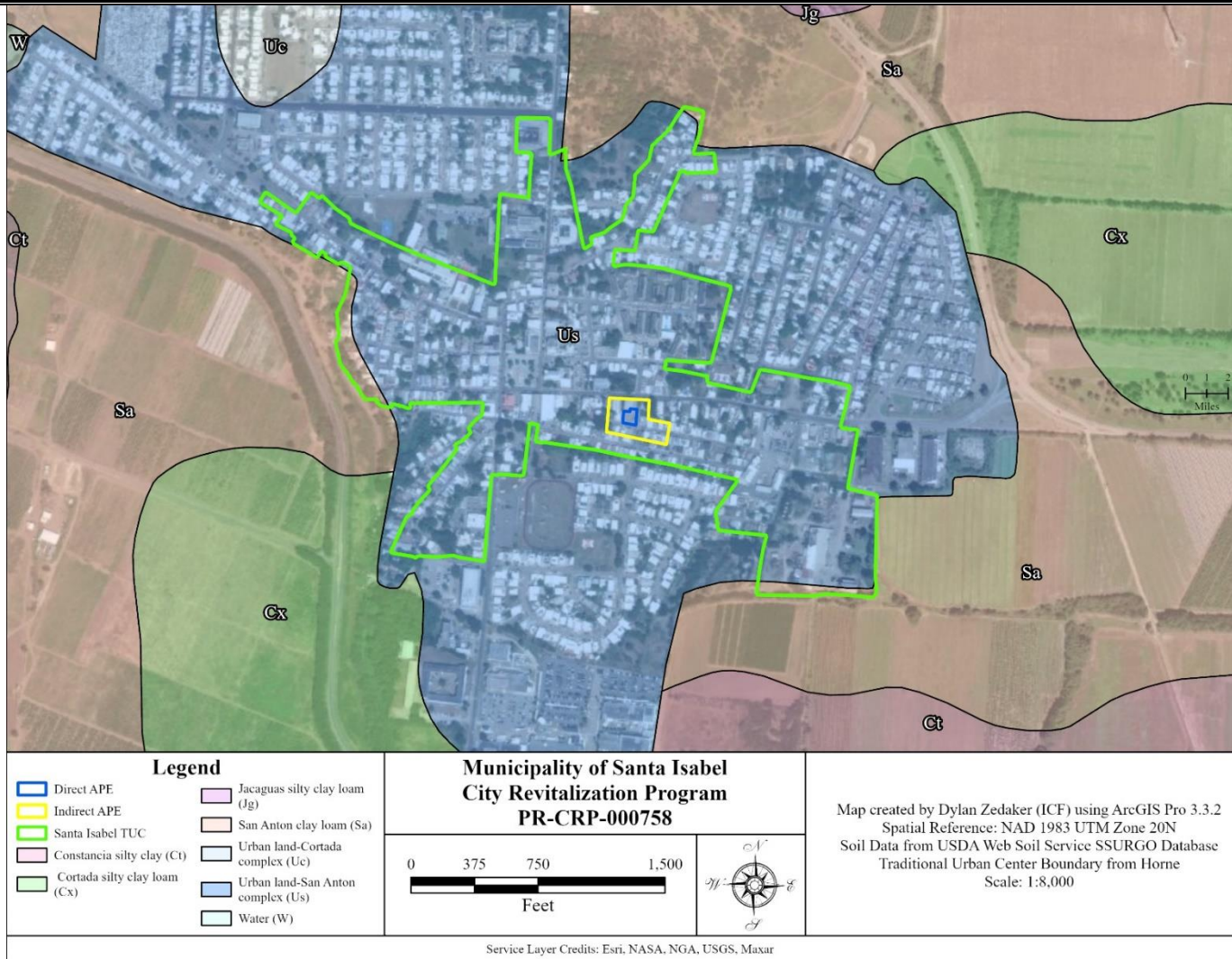


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**Project (Parcel) Location with Identified Historic Properties – Aerial Map**



**Puerto Rico 2017 Disaster Recovery, CDBG-DR Program**  
**City Revitalization Program (City-Rev)**  
**Section 106 NHPA Effect Determination**

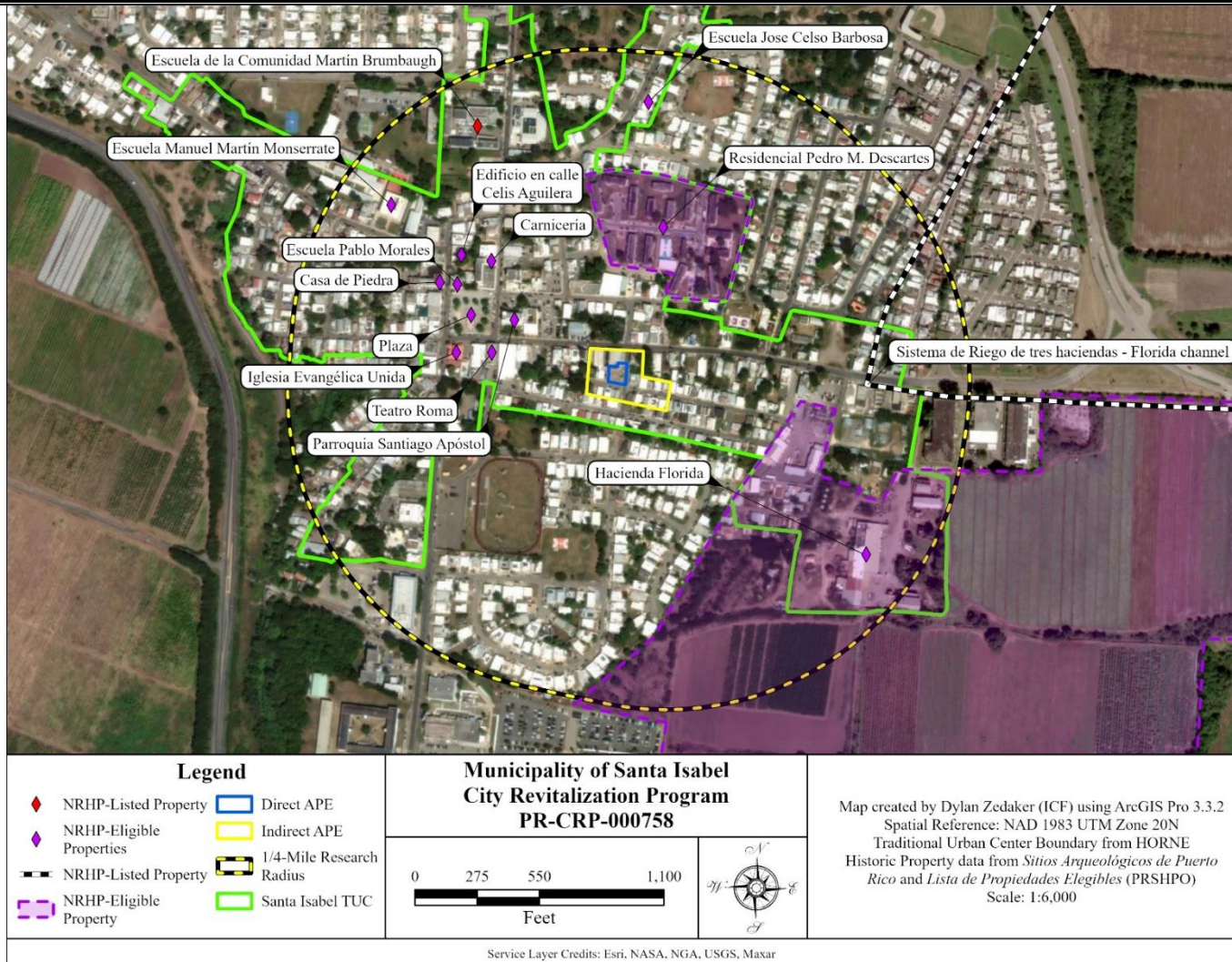
**Subrecipient:** Municipality of Santa Isabel

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**Project (Parcel) Location with Identified Historic Properties – USGS Topographic Map**

**Puerto Rico 2017 Disaster Recovery, CDBG-DR Program**  
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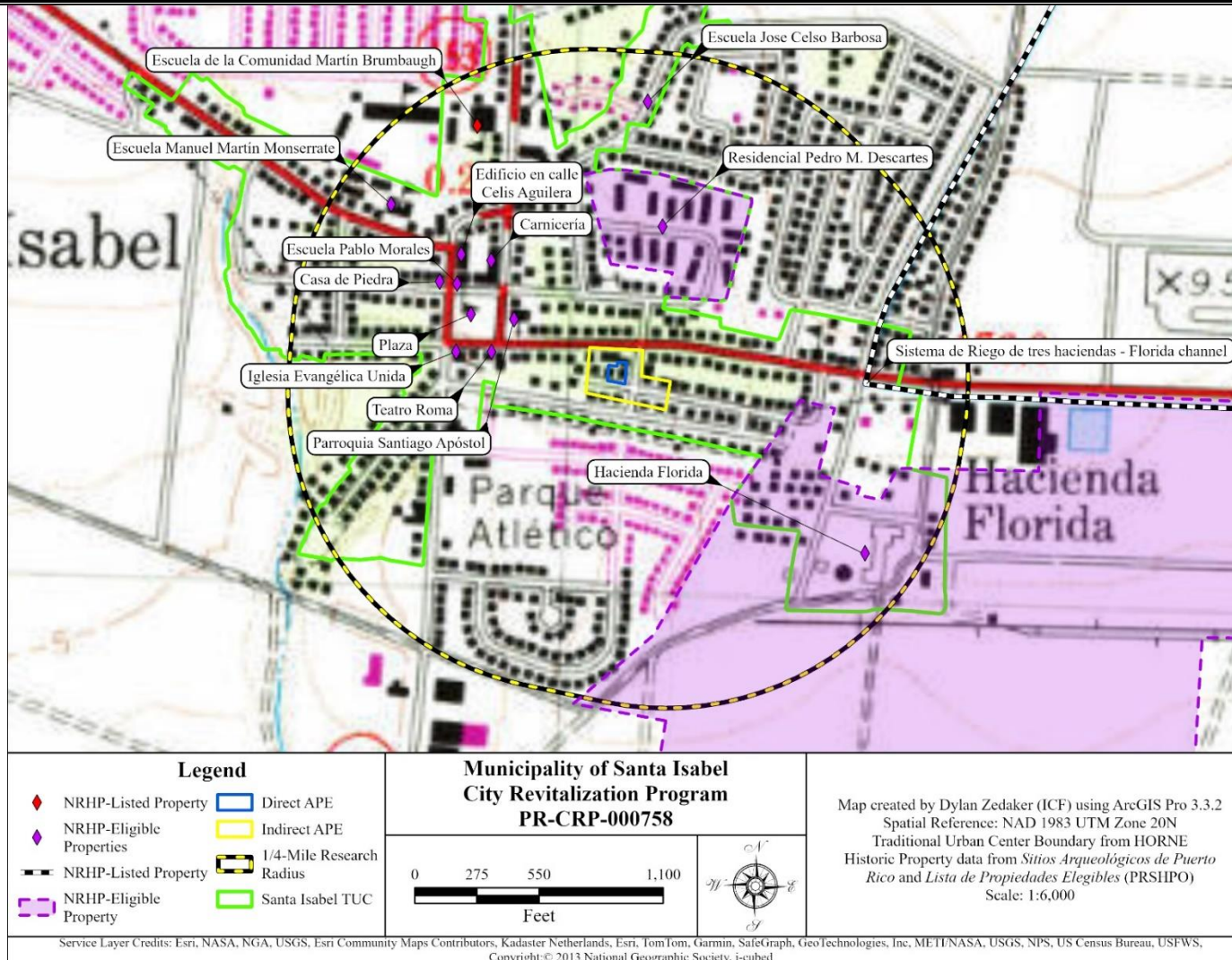
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**Project (Parcel) Location with Previous Investigations - Aerial Map**



**Puerto Rico 2017 Disaster Recovery, CDBG-DR Program**  
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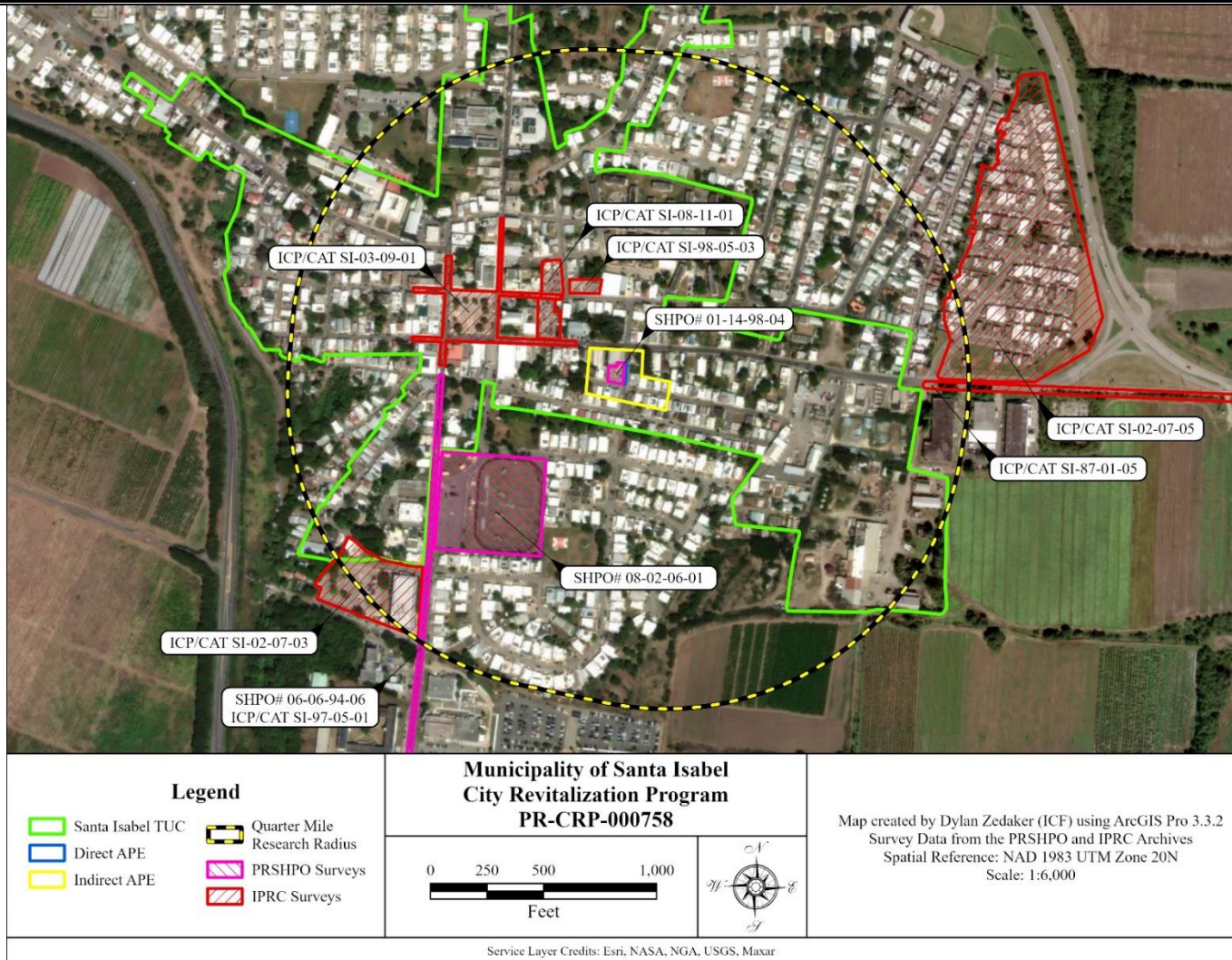
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**Project (Parcel) Location with Previous Investigations – USGS Topographic Map**



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<p><b>Legend</b></p> <ul style="list-style-type: none"> <li>Santa Isabel TUC</li> <li>Direct APE</li> <li>Indirect APE</li> <li>Quarter Mile Research Radius</li> <li>PRSHPO Surveys</li> <li>IPRC Surveys</li> </ul>	<p><b>Municipality of Santa Isabel</b>  <b>City Revitalization Program</b>  <b>PR-CRP-000758</b></p> <p>0 250 500 1,000 Feet</p>	<p>Map created by Dylan Zedaker (ICF) using ArcGIS Pro 3.3.2  Survey Data from the PRSHPO and IPRC Archives  Spatial Reference: NAD 1983 UTM Zone 20N  Scale: 1:6,000</p> <p><small>Service Layer Credits: Esri, NASA, NGA, USGS, Esri Community Maps Contributors, Kadaster Netherlands, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, NPS, US Census Bureau, USFWS, Copyright:© 2013 National Geographic Society, i-cubed</small></p>
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**Photograph Key**

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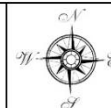
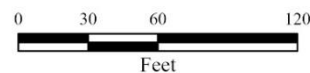


**City:** Santa Isabel, PR



- Legend**
- Photo Points
  - ➔ Photo Direction
  - ▭ Direct APE
  - ▭ Indirect APE


**Municipality of Santa Isabel**  
**City Revitalization Program**  
**PR-CRP-000758**


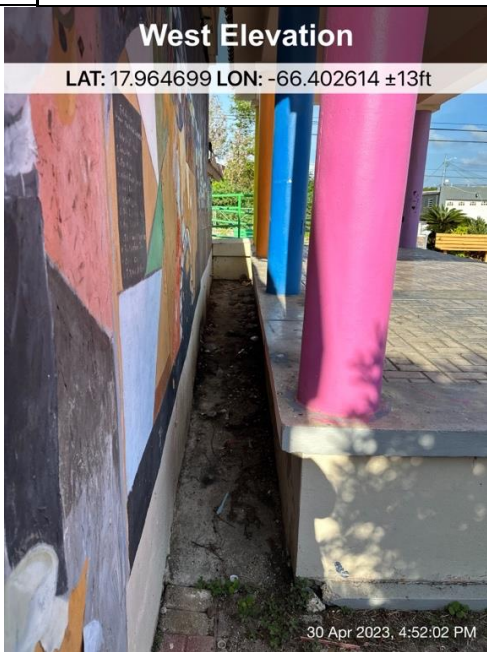



Map created by Dylan Zedaker (ICF) using ArcGIS Pro 3.3.2  
 Spatial Reference: NAD 1983 UTM Zone 20N  
 Scale: 1:650

Service Layer Credits: Esri, NASA, NOAA, USGS, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community




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<div><div>South Elevation</div><div>LAT: 17.964580 LON: -66.402568 ±13ft</div><div><div>30 Apr 2023, 4:51:30 PM</div></div></div>	
Photo #1	Description: Stage area, facing north (within the APE).
Date: 30 Apr 2023	
<div><div>West Elevation</div><div>LAT: 17.964699 LON: -66.402614 ±13ft</div><div><div>30 Apr 2023, 4:52:02 PM</div></div></div>	
Photo #2	Description: Stage area, facing east (within the APE).
Date: 30 Apr 2023	

<b>Puerto Rico 2017 Disaster Recovery, CDBG-DR Program</b> <b>City Revitalization Program (City-Rev)</b> <b>Section 106 NHPA Effect Determination</b>	 <div>DEPARTMENT OF <b>HOUSING</b> <small>GOVERNMENT OF PUERTO RICO</small></div>
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	<b>City:</b> Santa Isabel, PR


	
<b>Photo #3</b>	<b>Description:</b>
<b>Date:</b> 30 Apr 2023	Stage area and access ramp, facing north (within the APE).
	
<b>Photo #4</b>	<b>Description:</b>
<b>Date:</b> 30 Apr 2023	Stage area, access ramp and bench, facing west (within the APE).






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		 <p><b>North East Elevation</b>  LAT: 17.964750 LON: -66.402444 ±13ft  30 Apr 2023, 4:53:06 PM</p>
Photo #5	<b>Description:</b> Plaza access ramp, facing southwest.	
Date: 30 Apr 2023		
		 <p><b>North East Elevation</b>  LAT: 17.964729 LON: -66.402395 ±13ft  30 Apr 2023, 4:53:16 PM</p>
Photo #6	<b>Description:</b> Plaza access ramp, facing southwest.	
Date: 30 Apr 2023		



Puerto Rico 2017 Disaster Recovery, CDBG-DR Program City Revitalization Program (City-Rev) Section 106 NHPA Effect Determination		 DEPARTMENT OF <b>HOUSING</b> GOVERNMENT OF PUERTO RICO
Subrecipient: Municipality of Santa Isabel		
Case ID: PR-CRP-000758		City: Santa Isabel, PR
Project Name: Renovations of Plaza Los Trovadores Eusebio Guzman		

	
Photo #7	Description: Sculpture within plaza, facing southeast (within the APE).
Date: 30 Apr 2023	
	
Photo #8	Description: Urban Furniture, facing east (within the APE).
Date: 30 Apr 2023	

<b>Puerto Rico 2017 Disaster Recovery, CDBG-DR Program</b> <b>City Revitalization Program (City-Rev)</b> <b>Section 106 NHPA Effect Determination</b>		 <div>DEPARTMENT OF <b>HOUSING</b> GOVERNMENT OF PUERTO RICO</div>
<b>Subrecipient:</b> Municipality of Santa Isabel		
<b>Case ID:</b> PR-CRP-000758		<b>City:</b> Santa Isabel, PR
<b>Project Name:</b> Renovations of Plaza Los Trovadores Eusebio Guzman		

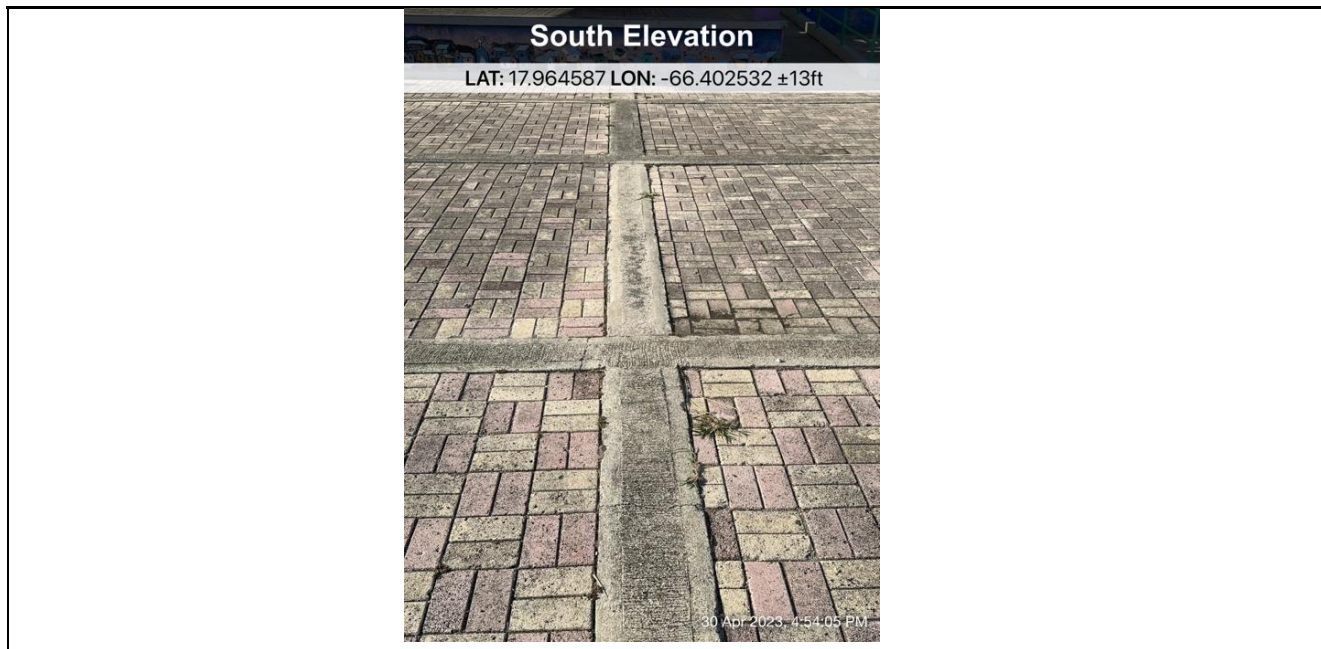


Photo #9

Description:

Date: 30 Apr 2023

Plaza square floor pattern, facing north (within the APE).




Photo #10



Description:


Date: 30 Apr 2023

Plaza access ramp, facing north (within the APE).




<b>Puerto Rico 2017 Disaster Recovery, CDBG-DR Program</b> <b>City Revitalization Program (City-Rev)</b> <b>Section 106 NHPA Effect Determination</b>	 <div>DEPARTMENT OF <b>HOUSING</b> <small>GOVERNMENT OF PUERTO RICO</small></div>
<b>Subrecipient:</b> Municipality of Santa Isabel	
<b>Case ID:</b> PR-CRP-000758	<b>City:</b> Santa Isabel, PR
<b>Project Name:</b> Renovations of Plaza Los Trovadores Eusebio Guzman	

	
Photo #11	Description: Stage Spanish tiles, facing north (within the APE).
Date: 30 Apr 2023	
	
Photo #12	Description: Plaza, facing south (within the APE).
Date: 30 Apr 2023	

<b>Puerto Rico 2017 Disaster Recovery, CDBG-DR Program</b> <b>City Revitalization Program (City-Rev)</b> <b>Section 106 NHPA Effect Determination</b>		 <div>DEPARTMENT OF <b>HOUSING</b> GOVERNMENT OF PUERTO RICO</div>
<b>Subrecipient:</b> Municipality of Santa Isabel		
<b>Case ID:</b> PR-CRP-000758		
<b>Project Name:</b> Renovations of Plaza Los Trovadores Eusebio Guzman		
		<b>City:</b> Santa Isabel, PR


		<p><b>North West Elevation</b></p> <p>LAT: 17.964701 LON: -66.402548 ±13ft</p>  <p>30 Apr 2023, 4:55:26 PM</p>
Photo #13	<b>Description:</b> Plaza, facing southeast (within the APE).	
Date: 30 Apr 2023		
		<p><b>West Elevation</b></p> <p>LAT: 17.964709 LON: -66.402523 ±13ft</p>  <p>30 Apr 2023, 4:55:33 PM</p>
Photo #14	<b>Description:</b> Plaza, facing east (within the APE).	
Date: 30 Apr 2023		





<b>Puerto Rico 2017 Disaster Recovery, CDBG-DR Program</b> <b>City Revitalization Program (City-Rev)</b> <b>Section 106 NHPA Effect Determination</b>		 <div>DEPARTMENT OF <b>HOUSING</b> GOVERNMENT OF PUERTO RICO</div>
<b>Subrecipient:</b> Municipality of Santa Isabel		
<b>Case ID:</b> PR-CRP-000758		<b>City:</b> Santa Isabel, PR
<b>Project Name:</b> Renovations of Plaza Los Trovadores Eusebio Guzman		

 <p><b>South Elevation</b>  LAT: 17.964535 LON: -66.402425 ±13ft</p> <p>30 Apr 2023, 4:56:38 PM</p>	
<b>Photo #15</b>	<b>Description:</b> Streetscape, facing north.
<b>Date:</b> 30 Apr 2023	
 <p><b>North Elevation</b>  LAT: 17.964503 LON: -66.402412 ±13ft</p> <p>Vazquez Associates, P.S.C. Santa Isabel  30 Apr 2023, 4:57:15 PM</p>	
<b>Photo #16</b>	<b>Description:</b> Streetscape, facing south.
<b>Date:</b> 30 Apr 2023	



<b>Puerto Rico 2017 Disaster Recovery, CDBG-DR Program</b> <b>City Revitalization Program (City-Rev)</b> <b>Section 106 NHPA Effect Determination</b>	 <div>DEPARTMENT OF <b>HOUSING</b> <small>GOVERNMENT OF PUERTO RICO</small></div>
<b>Subrecipient:</b> Municipality of Santa Isabel	
<b>Case ID:</b> PR-CRP-000758	<b>City:</b> Santa Isabel, PR
<b>Project Name:</b> Renovations of Plaza Los Trovadores Eusebio Guzman	

 <p><b>East Elevation</b>  LAT: 17.964472 LON: -66.402453 ±13ft</p> <p>Vazquez Associates, P.S.C. Santa Isabel  30 Apr 2023, 4:57:23 PM</p>	
<b>Photo #17</b>	<b>Description:</b> Streetscape, facing west.
<b>Date:</b> 30 Apr 2023	

<b>Puerto Rico 2017 Disaster Recovery, CDBG-DR Program</b> <b>City Revitalization Program (City-Rev)</b> <b>Section 106 NHPA Effect Determination</b>	 <b>DEPARTMENT OF HOUSING</b> <small>GOVERNMENT OF PUERTO RICO</small>
<b>Subrecipient:</b> Municipality of Santa Isabel	
<b>Case ID:</b> PR-CRP-000758	<b>City:</b> Santa Isabel, PR
<b>Project Name:</b> Renovations of Plaza Los Trovadores Eusebio Guzman	

## References

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<https://oech.maps.arcgis.com/apps/PublicInformation/index.html?appid=44cae07145c849d0950a4f7db40f9ef2>.

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United States Geological Service. 2025, USGS Earth Explorer Historic Aerial Image Database. Electronic document. <https://earthexplorer.usgs.gov/> accessed April 15, 2025.

<b>Puerto Rico 2017 Disaster Recovery, CDBG-DR Program</b> <b>City Revitalization Program (City-Rev)</b> <b>Section 106 NHPA Effect Determination</b>	 <div data-bbox="1242 121 1442 214"> <small>DEPARTMENT OF</small>  <b>HOUSING</b>  <small>GOVERNMENT OF PUERTO RICO</small> </div>
<b>Subrecipient:</b> Municipality of Santa Isabel	
<b>Case ID:</b> PR-CRP-000758	
<b>Project Name:</b> Renovations of Plaza Los Trovadores Eusebio Guzman	<b>City:</b> Santa Isabel, PR

## Appendix A: 100% Design Plans

PR-CRP-000758

RENOVATIONS OF PLAZA LOS TROVADORES  
EUSEBIO GUZMAN PROJECT  
SANTA ISABEL, PUERTO RICO

100% DESIGN DRAWINGS



FINAL DESIGN 100%:

PLAZA LOS TROVADORES

4339DR

MUNICIPALITY OF SANTA ISABEL

HON. RAFAEL BURGOS SANTIAGO, MAYOR



Vazquez Associates

Engineers • Architects • Project Managers

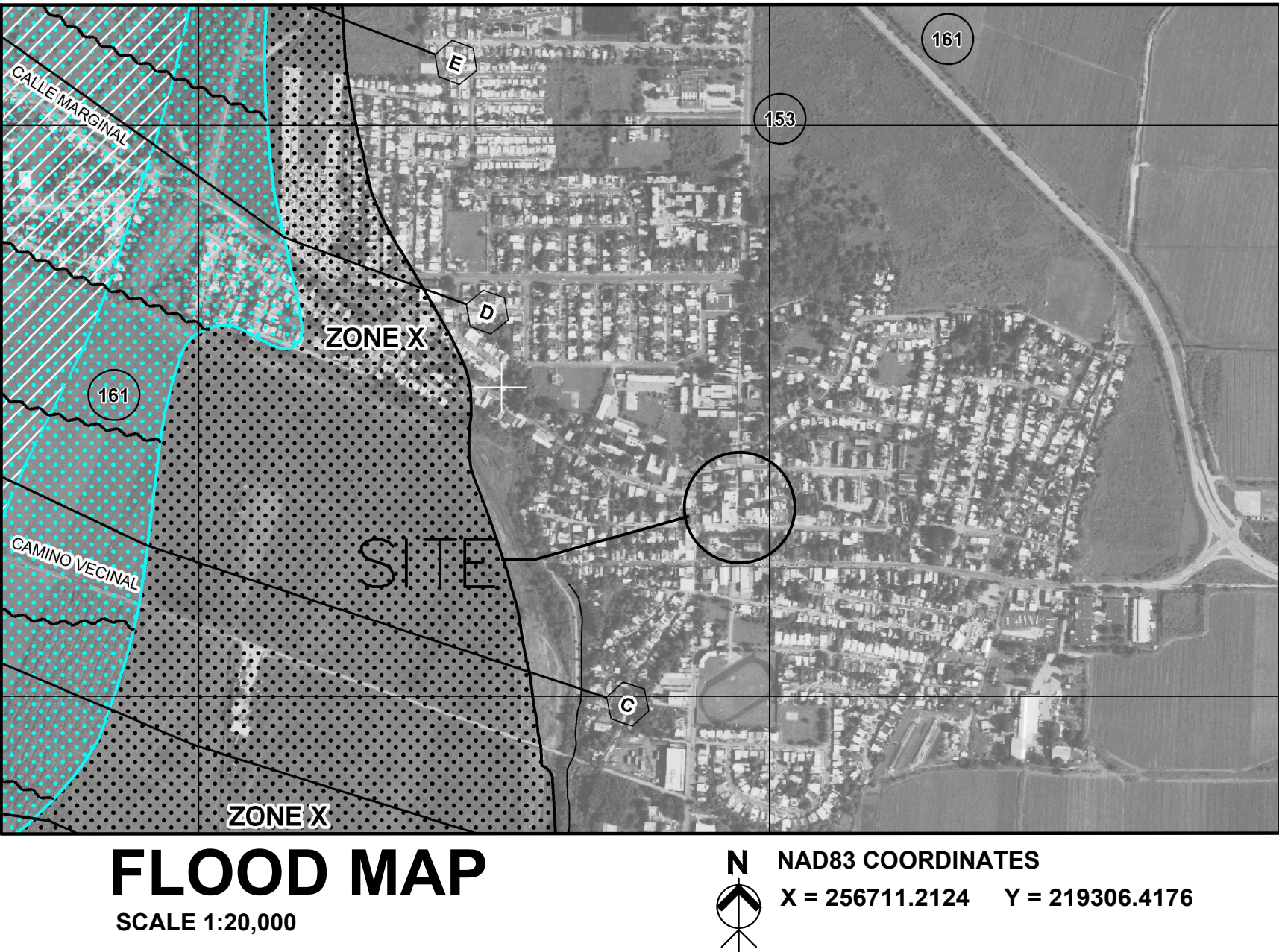
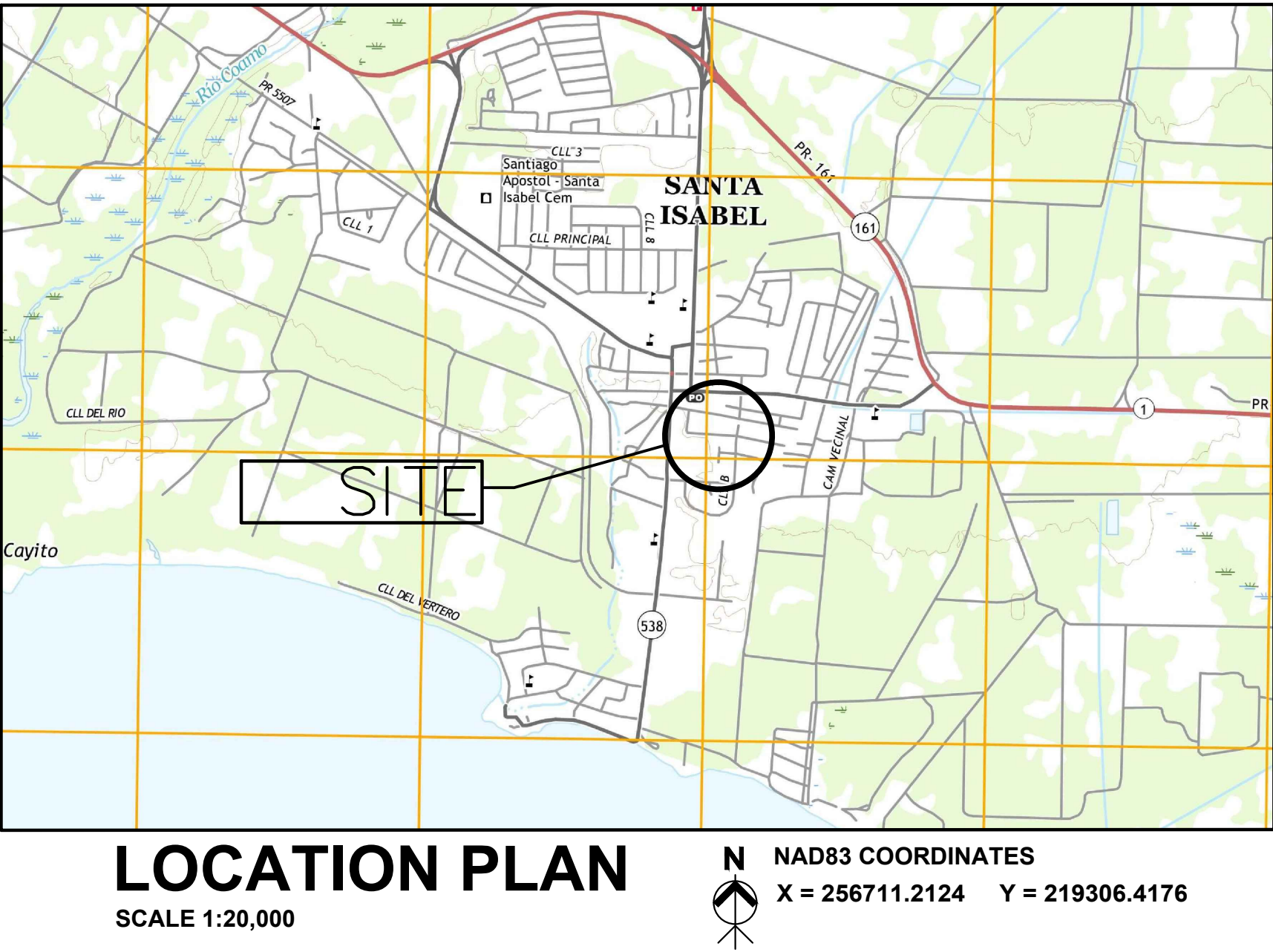
P.O. BOX 6689 CAGUAS, PUERTO RICO 00726

TEL:(787) 258-1758/FAX: (787) 258-1761

Email: vazquezassociates@live.com

INDEX OF DRAWINGS

SHEET NO.	DRAWING NO.	TITLE
GENERAL:		
01	GS-01	TITLE SHEET, INDEX OF DRAWINGS & LOCATION PLAN
CIVIL:		
02	C-01	EXISTING CONDITION PLAN
03	C-02	AS-BUILT FEMA DAMAGE IDENTIFICATION
04	C-03	DEMOLITION PLAN
05	C-04	PROPOSED SITE PLAN
06	C-05	GEOMETRICAL PLAN
07	C-06	GRADING PLAN
ARCHITECTURAL:		
08	A-01	ARCHITECTURAL FLOOR PLAN
09	A-02	ARCHITECTURAL ROOF PLAN
10	A-03	PERGOLA ROOF PLAN
11	A-04	SOUTH & EAST ELEVATION
12	A-05	SECTIONS
13	A-06	PLAZA WEST SIDE BLOW-UP & DETAILS
14	A-07	FLOOR PATTERN LAYOUT
15	A-08	BENCHES DRAINAGE PLAN & DETAIL
STRUCTURAL:		
16	S-01	STRUCTURAL NOTES
17	S-02	FOUNDATION PLAN & DETAILS
18	S-03	FRAMING PLAN & DETAILS
GENERAL DETAILS:		
19	GD-01	GENERAL DETAILS
20	GD-02	GENERAL DETAILS
21	GD-03	GENERAL DETAILS





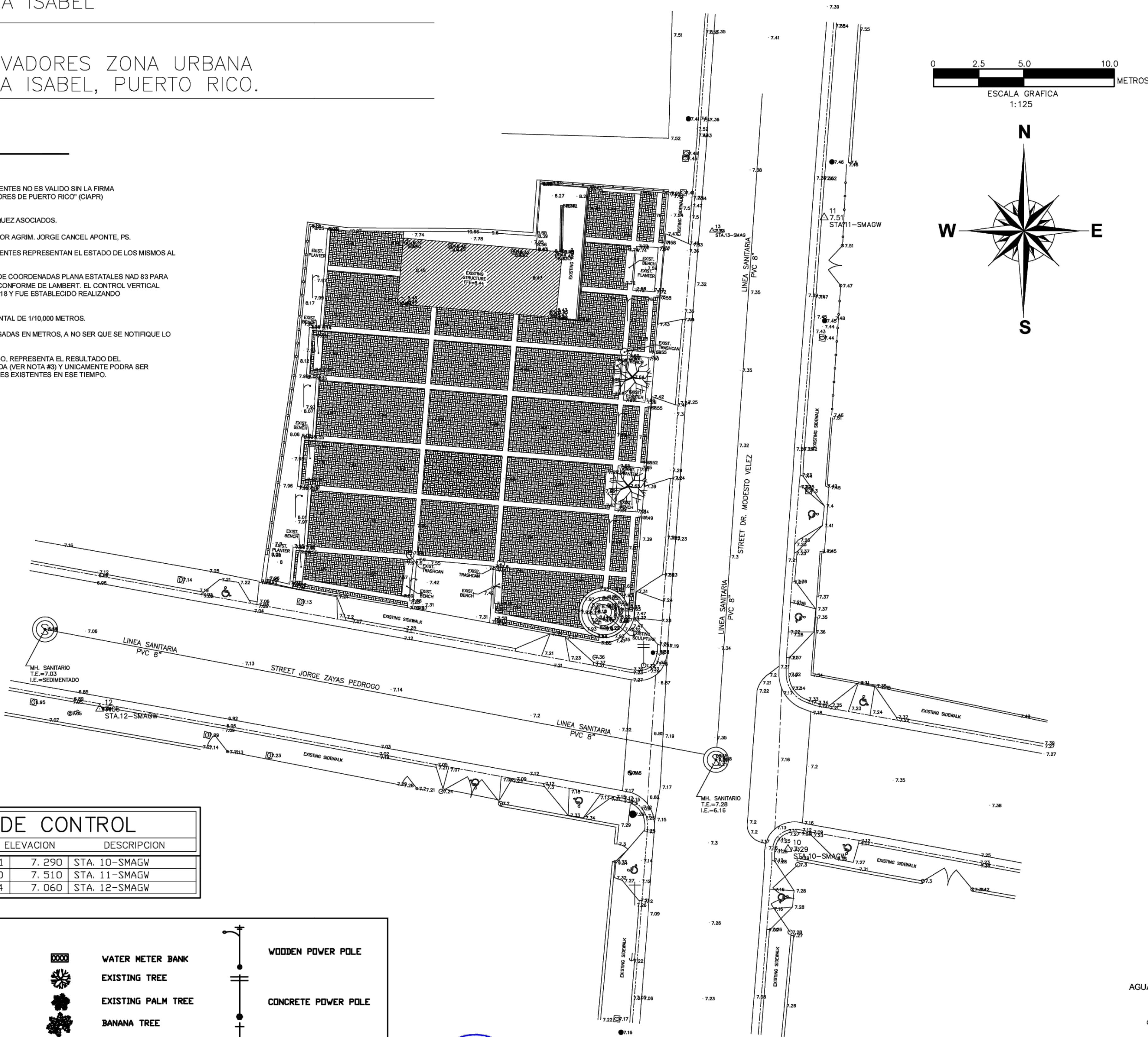
PLANO DE CONDICIONES EXISTENTES

PROPIEDAD DE:  
MUNICIPIO DE SANTA ISABEL

LOCALIZADA EN:  
PLAZA DE LOS TROVADORES ZONA URBANA  
MUNICIPIO DE SANTA ISABEL, PUERTO RICO.

NOTAS:

1. ESTE ESTUDIO TOPOGRAFICO Y DE CONDICIONES EXISTENTES NO ES VALIDO SIN LA FIRMA Y EL SELLO DEL "COLEGIO DE INGENIEROS & AGRIMENSORES DE PUERTO RICO" (CAPIR) EN ORIGINAL.
2. ESTE TRABAJO FUE REALIZADO POR SOLICITUD DE VAZQUEZ ASOCIADOS.
3. EL TRABAJO DE CAMPO SE REALIZO EN MARZO DE 2023 POR AGRIM. JORGE CANCEL APONTE, PS.
4. LOS DATOS DE TOPOGRAFICO Y DE CONDICIONES EXISTENTES REPRESENTAN EL ESTADO DE LOS MISMOS AL MOMENTO DE REALIZAR EL ESTUDIO DE CAMPO.
5. EL CONTROL HORIZONTAL ESTA REFERIDO AL SISTEMA DE COORDENADAS PLANA ESTATALES NAD 83 PARA PUERTO RICO E ISLAS VIRGENES PROYECCION CONICA CONFORME DE LAMBERT. EL CONTROL VERTICAL ESTA REFERIDO AL DATUM VERTICAL PRVD02 GEOIDE 2018 Y FUE ESTABLECIDO REALIZANDO OBSERVACIONES ESTATICAS DE GPS.
9. ESTE PLANO REUNE O EXCEDE UNA PRECISION HORIZONTAL DE 1/10,000 METROS.
10. TODAS LAS DISTANCIAS Y ELEVACIONES ESTAN EXPRESADAS EN METROS, A NO SER QUE SE NOTIFIQUE LO CONTRARIO.
12. LA INFORMACION DESCRITA E ILUSTRADA EN ESTE PLANO, REPRESENTA EL RESULTADO DEL TRABAJO DE MENSURA REALIZADO EN LA FECHA INDICADA (VER NOTA #3) Y UNICAMENTE PODRA SER CONSIDERADO COMO UN INDICADOR DE LAS CONDICIONES EXISTENTES EN ESE TIEMPO.



ESTACIONES DE CONTROL				
ESTACION	(Y) NORTE	(X) ESTE	ELEVACION	DESCRIPCION
10	214509.7327	203277.7651	7.290	STA. 10-SMAGW
11	214544.6455	203279.7680	7.510	STA. 11-SMAGW
12	214517.4818	203239.6994	7.060	STA. 12-SMAGW

165

PROPERTY CORNER

10.00

SPOT ELEVATION

CHAIN LINK FENCE

PROPERTY LINE

STA. 2

HORIZONTAL & VERTICAL CONTROL STATION

SANITARY LINE

PUBLIC PHONE

PROTECTION BOLLARD

SANITARY SEWER MANHOLE

STORM SEWER MANHOLE

INLET

TELEPHONE MANHOLE

CONTOURS 0.50 M

CONTOURS 5.00 M

WATER METER BANK

EXISTING TREE

EXISTING PALM TREE

BANANA TREE

ELECTRIC METER

ELECTRICAL EQUIPMENT

WATER VALVE

WATER METER

BORING TEST

EXISTING STRUCTURE

FIRE HYDRANT

WOODEN POWER POLE

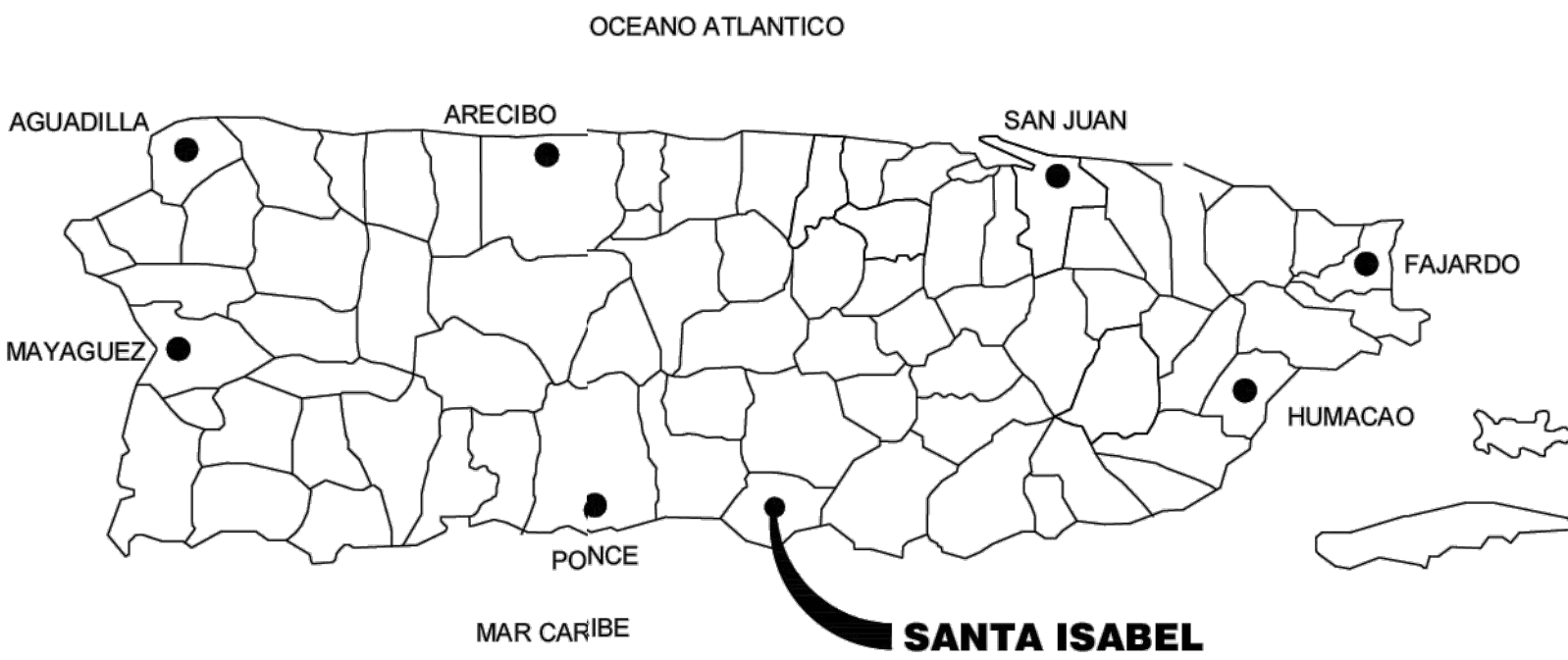
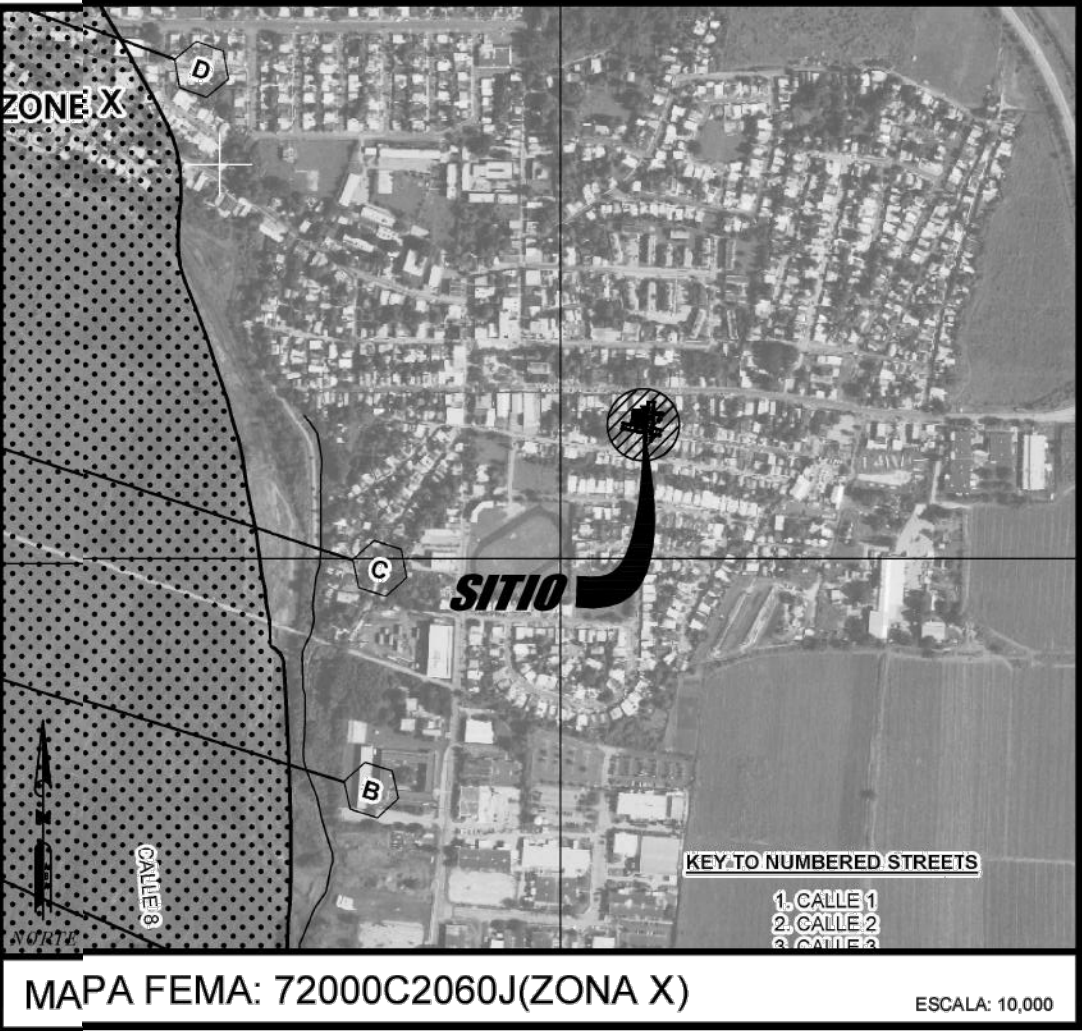
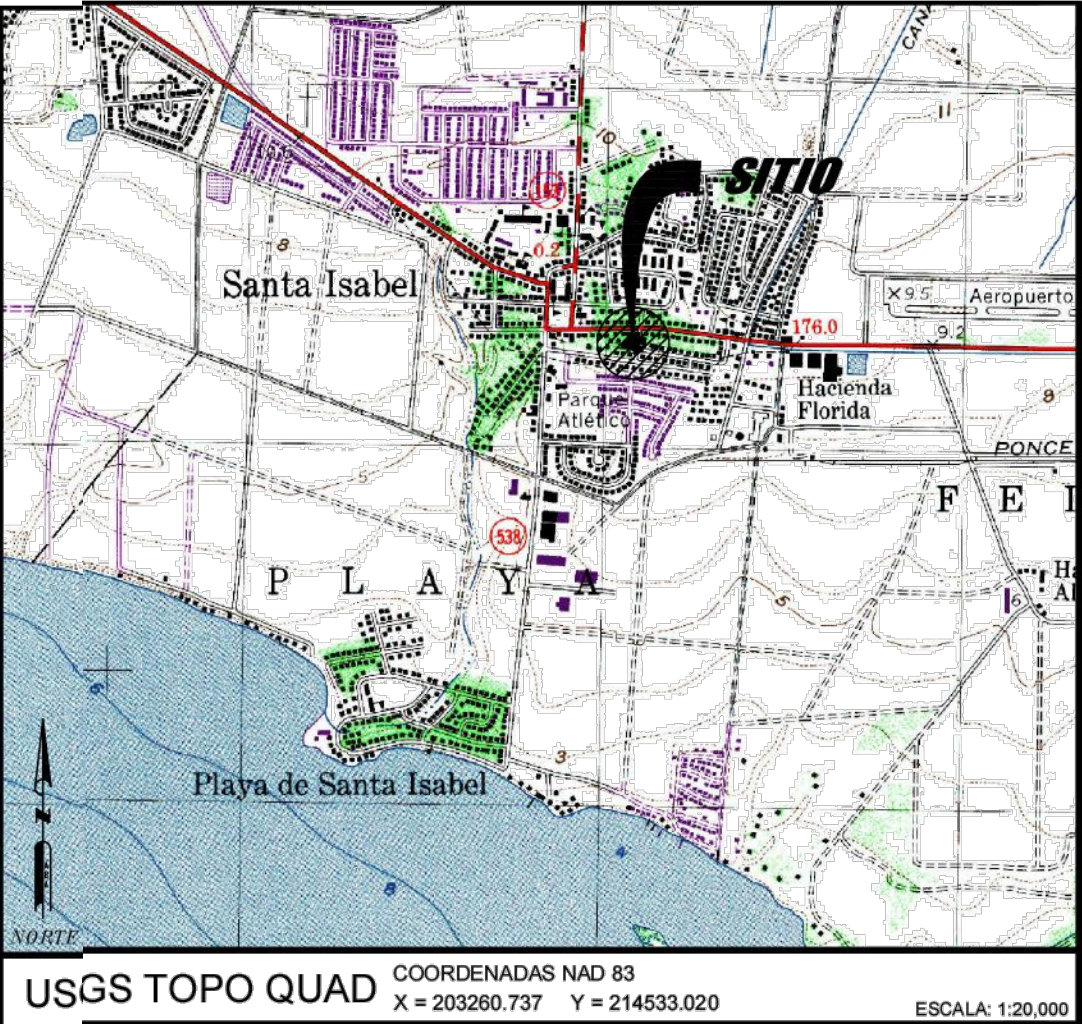
CONCRETE POWER POLE

WOODEN TELEPHONE POLE

LIGHTING POLE

BASKETBALL COURT LIGHTING POLE

Yo, Agrimensor Jorge Cancel Aponte, con numero de licencia 23416, certifico que soy el profesional que diseñó estos planos y las especificaciones técnicas complementarias. También, certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con jurisdicción. Certifico, además, que en la preparación de estos planos y especificaciones se ha cumplido cabalmente como lo dispuesto en la Ley 14-2004, según enmendada, conocida como la "Ley para la Inversión por la Industria Puertorriqueña" y con la [Ley Núm. 319 de 15 de mayo de 1938, según enmendada; Ley Núm. 96 de 6 de julio de 1978, según enmendada; según aplique]. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento 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 OPSGP.



MAPA DE LOCALIZACION  
NO A ESCALA

PLAZA LOS TROVADORES  
MUNICIPALITY OF SANTA ISABEL  
CITY: SANTA ISABEL  
PUERTO RICO

REVISIONES		DESCRIPTION
DATE		

Vazquez Associates

Engineers • Architects • Project Managers

P.O. Box 12811, San Juan, PR 00912-0111

TEL (787) 258-1788 FAX (787) 258-1781

Email: vazquezassociates@live.com

EXISTING CONDITION PLAN  
DATE: JUNE 2023  
SCALE: 1:100

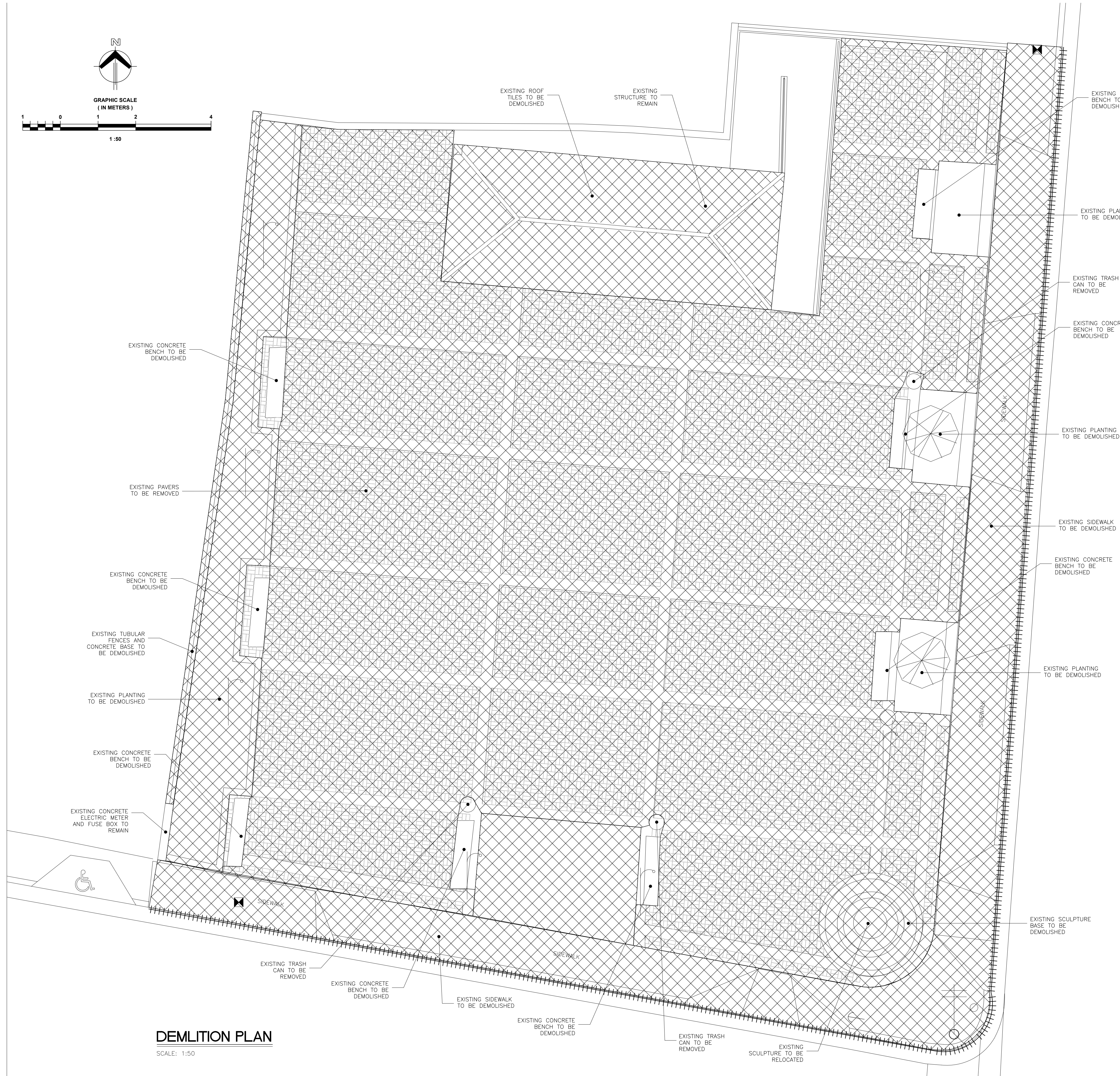
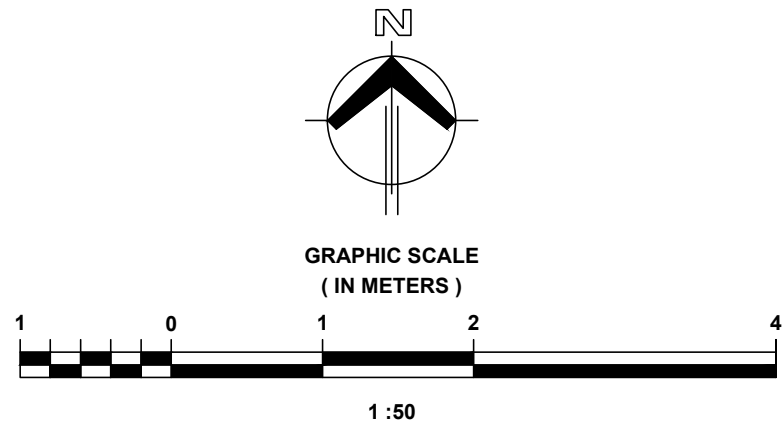


DRAWING NO:  
C-01  
SHEET NO:  
02 OF 21









LEGEND:

- [Cross-hatch pattern] EXISTING AREA TO BE DEMOLISHED
- [Line with cross-ticks] EXISTING CONCRETE CURB & GUTTER TO BE DEMOLISHED.

DEMOLITION NOTES:

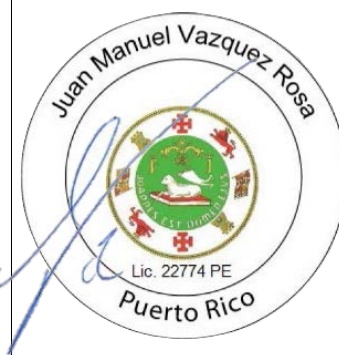
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EVALUATE THE EXISTING CONDITION PRIOR TO BEGINNING WORK. BRING ANY DISCREPANCIES FROM THE DRAWINGS AND NOTES IMMEDIATELY.
2. THE CONTRACTOR SHALL IMPLEMENT A MATERIALS RECYCLING PROGRAM FOR ALL DEMOLITION MATERIALS AND NEW CONSTRUCTION DEBRIS.
3. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO BEGINING DEMOLITION WORKS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES AND STRUCTURE IN THE PATH OF AND ADJACENT TO THE PROPOSED WORK.
5. THE CONTRACTOR SHALL COORDINATE AND NOTIFY WITH ADJACENT NEIGHBORS THAT COULD BE AFFECTED WITH DEMOLITION WORKS.
6. THE CONTRACTOR SHALL REMOVE, AND DISPOSE, ALL DEMOLITION MATERIAL USING AUTHORIZED CARRIERS FOR THE TRANSPORTATION TO AUTHORIZED LANDFILL OR FACILITY.

DEMLITION PLAN  
SCALE: 1:50

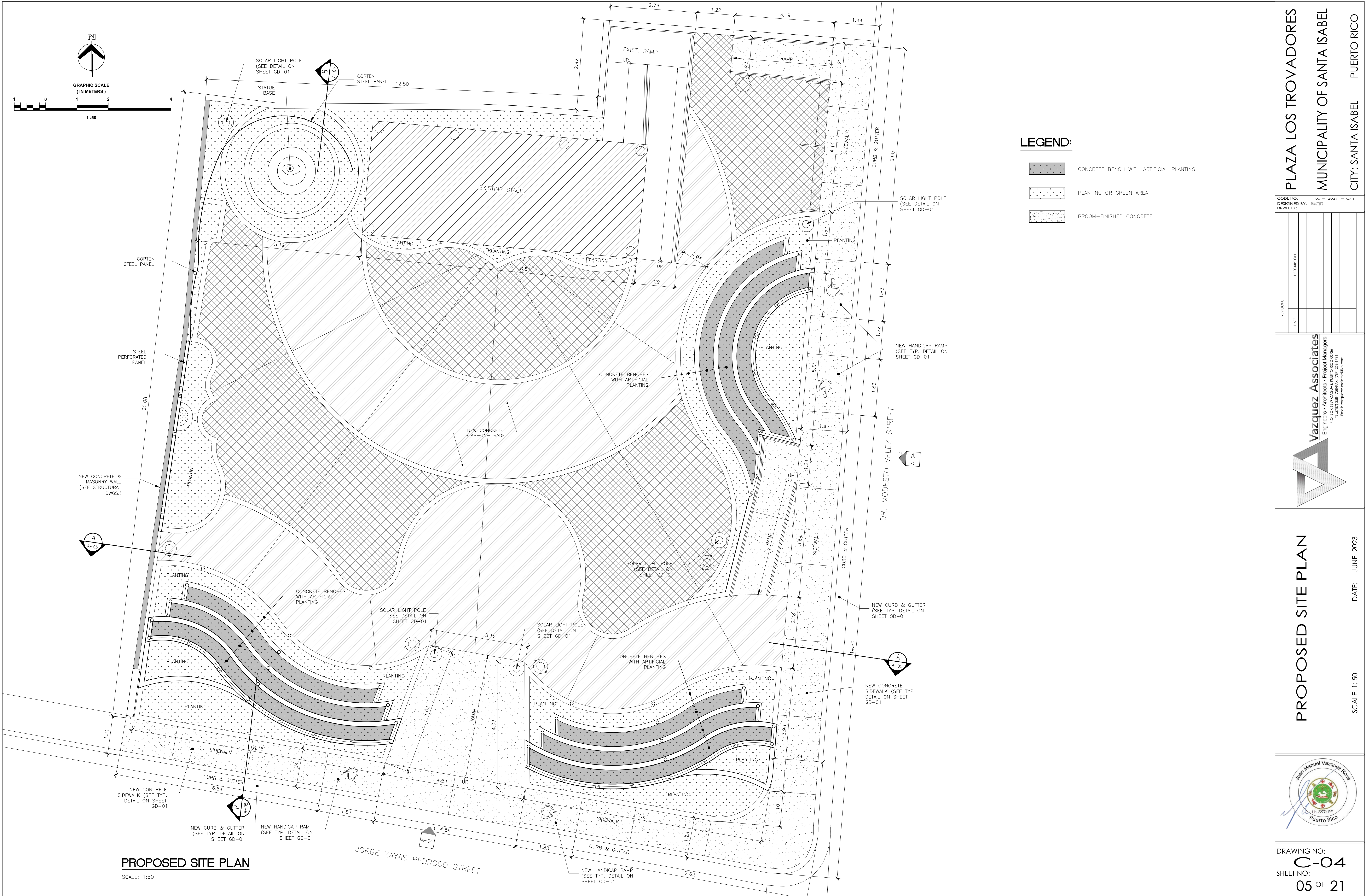
REVISIONS		DESCRIPTION
DATE		

**Vazquez Associates**  
Engineers • Architects • Project Managers  
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TEL: (787) 258-1286 FAX: (787) 258-1261  
Email: vaza@vazquezassociates.com

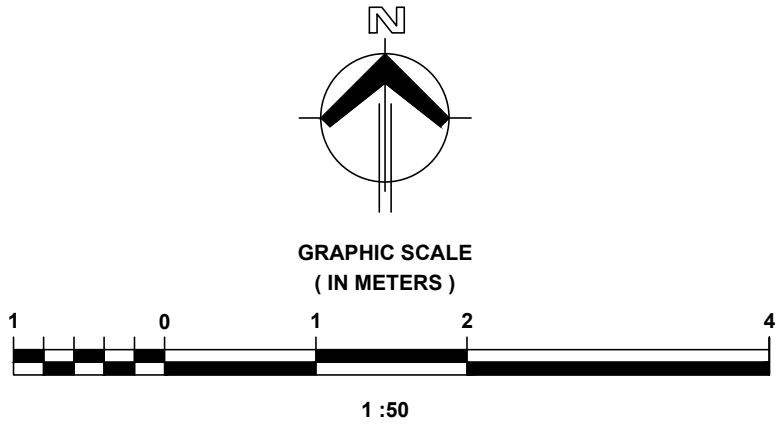
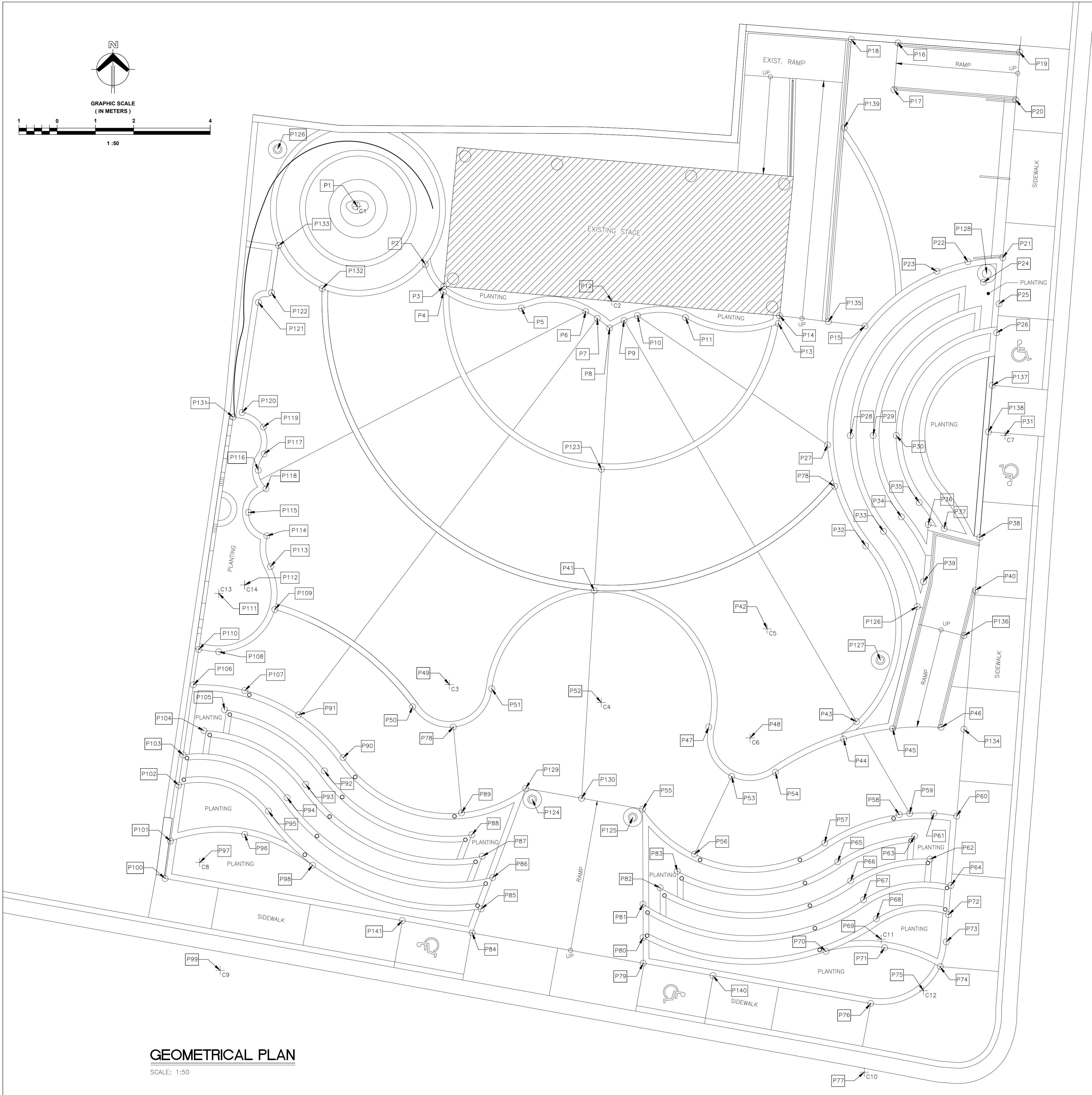
DEMOLITION PLAN











GEOMETRICAL PLAN  
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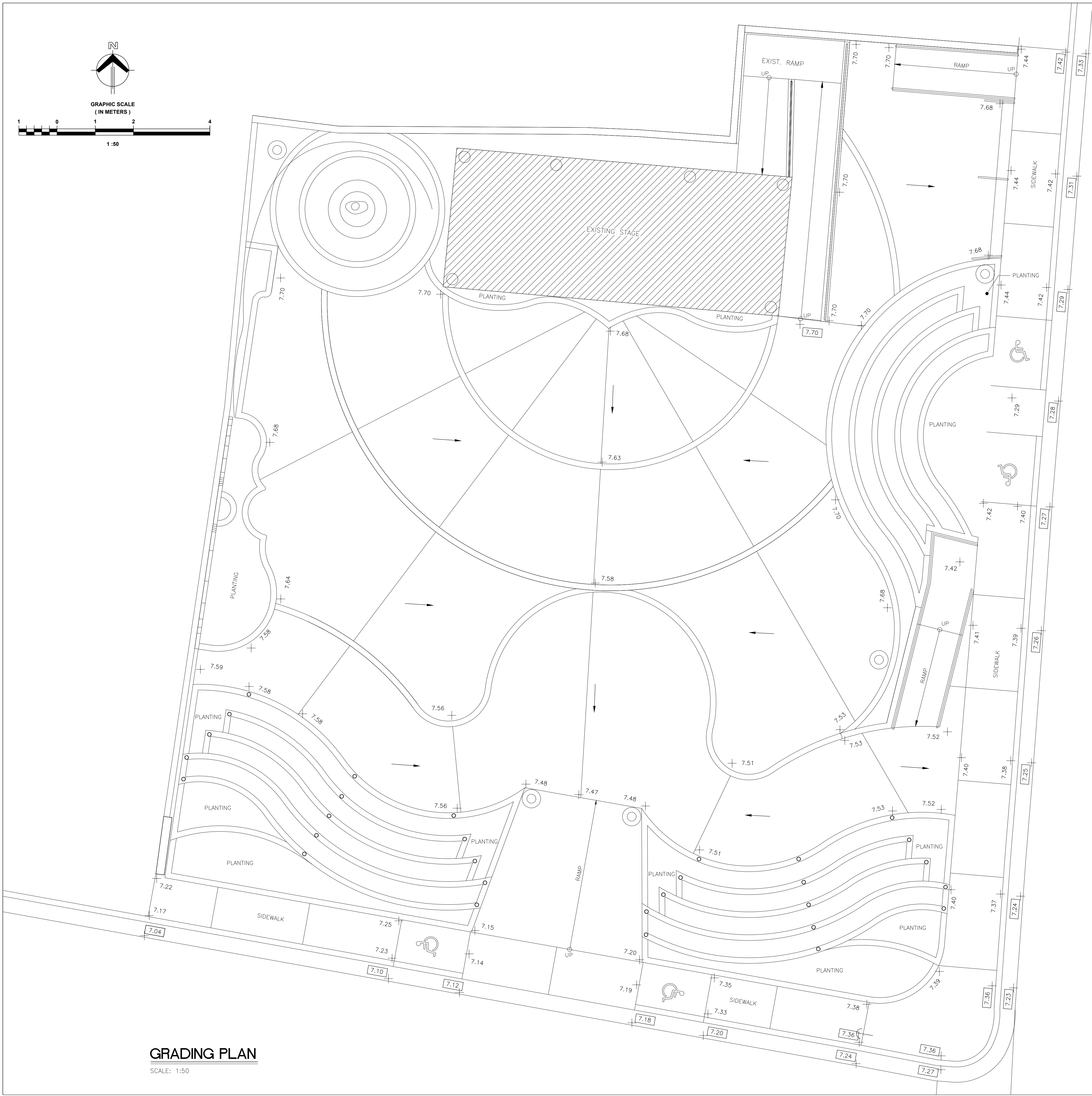
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P2	214540.4486	203255.6696	PLANTING CORNER	P72	214523.4693	203269.3364	BENCH CORNER
P3	214539.8766	203256.1510	EXISTING STAGE CORNER	P73	214522.7571	203269.2776	PLANTING VERTEX
P4	214539.7287	203256.1409	PLANTING VERTEX	P74	214522.1034	203269.1164	PLANTING CORNER
P5	214539.3074	203258.1779	PLANTING VERTEX	P75	214521.4840	203268.6790	CENTER POINT "C12"
P6	214539.2186	203259.8578	FLOOR JOINT	P76	214521.1478	203267.3000	PLANTING CORNER
P7	214539.0384	203260.1588	FLOOR JOINT	P77	214518.7376	203267.1348	CENTER POINT "C10"
P8	214538.7871	203260.4811	PLANTING CORNER	P78	214528.3677	203256.4005	FLOOR JOINT VERTEX
P9	214538.9851	203260.8597	FLOOR JOINT	P79	214522.1998	203261.3596	PLANTING CORNER
P10	214539.1131	203261.2119	FLOOR JOINT	P80	214522.8717	203261.3573	BENCH CORNER
P11	214539.0619	203262.4641	PLANTING VERTEX	P81	214523.7430	203261.3542	BENCH CORNER
P12	214539.4936	203260.5379	CENTER POINT "C2"	P82	214524.1706	203261.8028	BENCH CORNER
P13	214538.9091	203264.8911	PLANTING CORNER	P83	214524.6051	203262.2512	BENCH CORNER
P14	214539.1106	203264.9245	EXISTING STAGE CORNER	P84	214522.9907	203256.8939	PLANTING CORNER
P15	214538.8421	203267.1529	FLOOR JOINT	P85	214523.6209	203257.1269	BENCH CORNER
P16	214546.2339	203268.0129	RAMP CORNER	P86	214524.4382	203257.4290	BENCH CORNER
P17	214545.0110	203267.9106	RAMP CORNER	P87	214524.9938	203257.1546	BENCH CORNER
P18	214546.3264	203266.7959	RAMP CORNER	P88	214525.5559	203256.8826	BENCH CORNER
P19	214545.9918	203271.1964	RAMP CORNER	P89	214526.1273	203256.6141	FLOOR JOINT VERTEX
P20	214544.7481	203271.0937	RAMP CORNER	P90	214527.5706	203253.5214	PLANTING VERTEX
P21	214540.6243	203270.7531	PLANTING CORNER	P91	214528.6873	203252.3586	FLOOR JOINT
P22	214540.5227	203269.8416	PLANTING VERTEX	P92	214527.2231	203253.0322	BENCH VERTEX
P23	214540.2706	203269.0315	FLOOR JOINT	P93	214526.8744	203252.5438	BENCH VERTEX
P24	214539.9856	203270.2488	BENCH CORNER	P94	214526.5248	203252.0562	BENCH VERTEX
P25	214539.4211	203270.6537	BENCH CORNER	P95	214526.1739	203251.5694	BENCH VERTEX
P26	214538.6658	203270.5914	BENCH CORNER	P96	214525.5664	203250.9485	PLANTING VERTEX
P27	214535.7369	203266.1745	PLANTING VERTEX	P97	214524.8330	203249.7744	CENTER POINT "C8"
P28	214535.9833	203266.7680	BENCH VERTEX	P98	214524.7614	203252.7236	PLANTING CORNER
P29	214535.9833	203267.3680	BENCH VERTEX	P99	214522.0172	203250.3073	CENTER POINT "C9"
P30	214535.9833	203267.9680	BENCH VERTEX	P100	214524.4119	203248.8696	PLANTING CORNER
P31	214535.9833	203270.8093	CENTER POINT "C7"	P101	214525.3913	203249.0129	PLANTING CORNER
P32	214533.1002	203270.6537	PLANTING VERTEX	P102	214526.8507	203249.2266	BENCH CORNER
P33	214533.4791	203267.6373	BENCH VERTEX	P103	214527.6406	203249.3422	BENCH CORNER
P34	214533.8571	203268.1034	BENCH VERTEX	P104	214528.2717	203249.8894	BENCH CORNER
P35	214534.2340	203268.5703	BENCH VERTEX	P105	214528.8209	203250.4248	BENCH CORNER
P36	214533.6585	203268.8040	WALL CORNER	P106	214529.4707	203249.6101	PLANTING CORNER
P37	214533.5542	203269.2210	BENCH CORNER	P107	214529.3215	203250.9526	PLANTING VERTEX
P38	214533.3219	203270.1500	WALL CORNER	P108	214530.3353	203250.2712	PLANTING CORNER
P39	214532.1630	203268.6805	WALL CORNER	P109	214531.4390	203251.7361	FLOOR JOINT
P40	214531.9391	203270.0358	RAMP CORNER	P110	214530.3959	203249.7500	WALL CORNER
P41	214531.9361	203260.0786	FLOOR JOINT VERTEX	P111	214531.8593	203250.2712	CENTER "C13"
P42	214530.9349	203264.5958	CENTER POINT "C5"	P112	214532.0793	203250.9455	CENTER "C14"
P43	214528.5104	203266.9298	FLOOR JOINT	P113	214532.5596	203251.6247	PLANTING VERTEX
P44	214528.0535	203266.5964	WALL CORNER	P114	214533.3615	203251.5279	PLANTING VERTEX
P45	214528.3284	203267.8764	WALL CORNER	P115	214533.9736	203251.0474	PLANTING VERTEX
P46	214528.3598	203269.1410	RAMP CORNER	P116	214535.0762	203251.3050	PLANTING VERTEX
P47	214528.3681	203263.0715	FLOOR JOINT VERTEX	P117	214535.5003	203251.4571	PLANTING VERTEX
P48	214528.0860	203264.1505	CENTER "C6"	P118	214534.5889	203251.5062	PLANTING VERTEX
P49	214529.4779	203256.2947	CENTER POINT "C3"	P119	214536.2025	203251.4351	PLANTING VERTEX
P50	214528.8984	203255.3386	FLOOR JOINT VERTEX	P120	214536.5840	203250.8820	PLANTING CORNER
P51	214529.3700	203257.4047	FLOOR JOINT VERTEX	P121	214539.4573	203251.3081	PLANTING CORNER
P52	214529.0095	203260.2629	CENTER POINT "C4"	P122	214539.7113	203251.6519	PLANTING CORNER
P53	214527.0796	203263.6697	FLOOR JOINT VERTEX	P123	214535.0987	203260.2694	FLOOR JOINT
P54	214527.1888	203264.8132	FLOOR JOINT VERTEX	P124	214526.4802	203258.4618	SOLAR LIGHT POLE
P55	214526.2265	203261.3456	PLANTING CORNER	P125	214526.0109	203261.0856	SOLAR LIGHT POLE
P56	214525.0494	203262.6997	PLANTING VERTEX	P126	214531.5151	203268.5185	BENCH CORNER
P57	214525.3428	203266.1000	PLANTING VERTEX	P127	214530.1145	203267.5559	SOLAR LIGHT POLE
P58	214526.0821	203268.0470	PLANTING VERTEX	P128	214540.2121	203270.3335	SOLAR LIGHT POLE
P59	214526.1114	203268.3200	FLOOR JOINT	P129	214526.7676	203258.2901	PLANTING CORNER
P60	214526.0430	203269.5489	PLANTING CORNER	P130	214526.5089	203259.7510	FLOOR JOINT
P61	214526.1172	203268.9530	STAIRS CORNER	P131	214536.4649	203250.6500	WALL CORNER
P62	214524.9208	203268.8542	BENCH CORNER	P132	214539.8206	203252.9734	FLOOR JOINT
P63	214525.5189	203268.4521	BENCH CORNER	P133	214540.9416	203251.8364	PLANTING CORNER
P64	214524.2325	203269.3994	BENCH CORNER	P134	214528.3106	203269.7362	STEP CORNER
P65	214524.8484	203266.4400	BENCH VERTEX	P135	214538.9566	203266.2028	EXIST. RAMP CORNER
P66	214524.3532	203266.7790	BENCH VERTEX	P136	214530.7563	203269.7401	RAMP CORNER
P67	214523.8573	203267.1169	BENCH VERTEX	P137	214536.0777	203270.4780	RAMP CORNER
P68	214523.3606	203267.4535	BENCH VERTEX	P138	214537.2927	203270.3776	RAMP CORNER
P69	214522.8301	203267.5746	CENTER POINT "C11"	P139	214544.0169	203266.6100	FLOOR JOINT
P70	214522.5126	203266.1327	PLANTING CORNER	P140	214521.8764	203263.1858	RAMP CORNER
				P141	214523.3144	203255.0661	RAMP CORNER

CODE NO:	00 - 2024 - 01
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DRAWN BY:	
DATE	
DESCRIPTION	
REVISIONS	

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CODE NO: 00 - 2021 - 01  
SIGNED BY: JAVASQUEZ  
OWN, BY:

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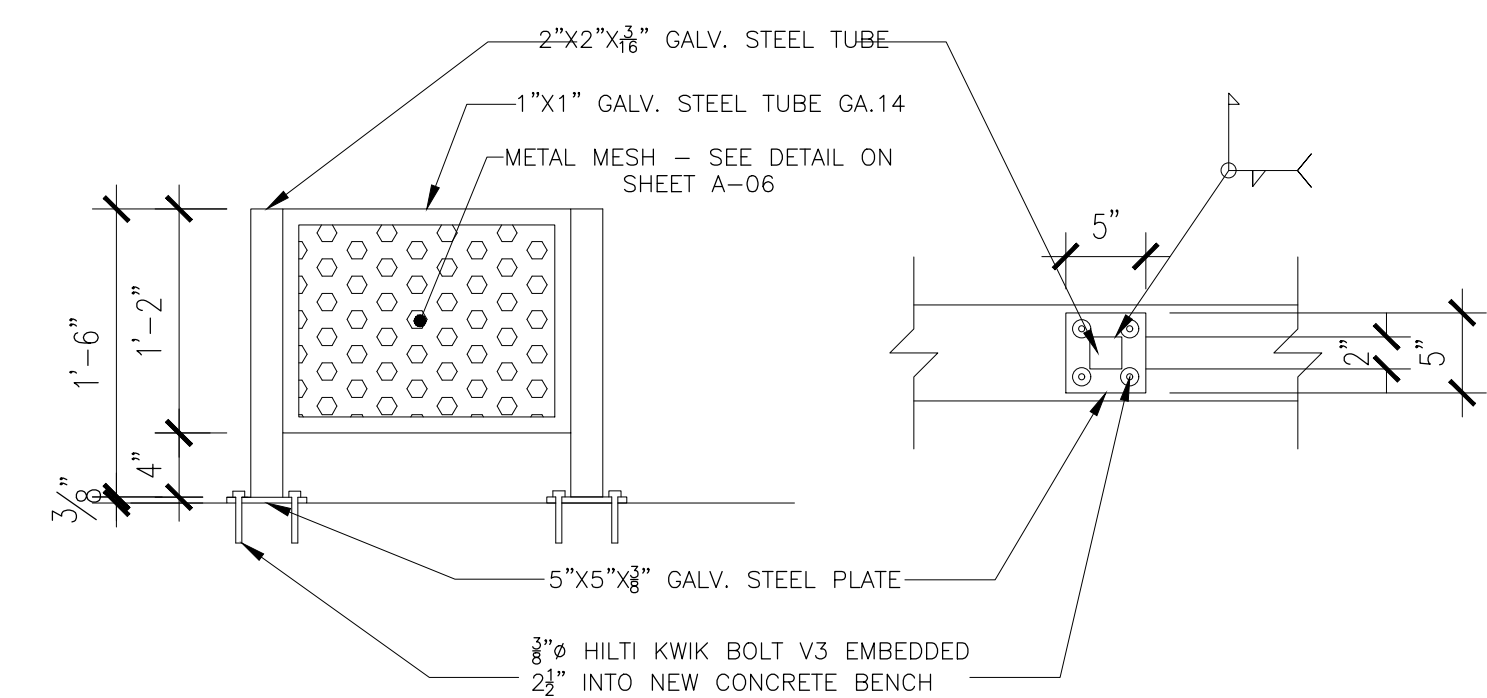
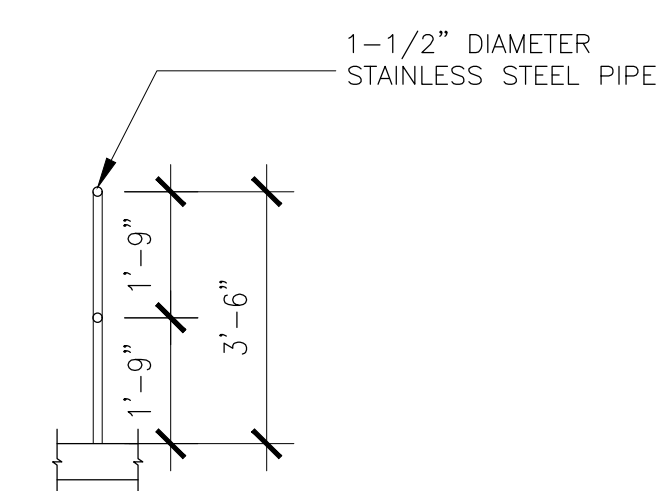
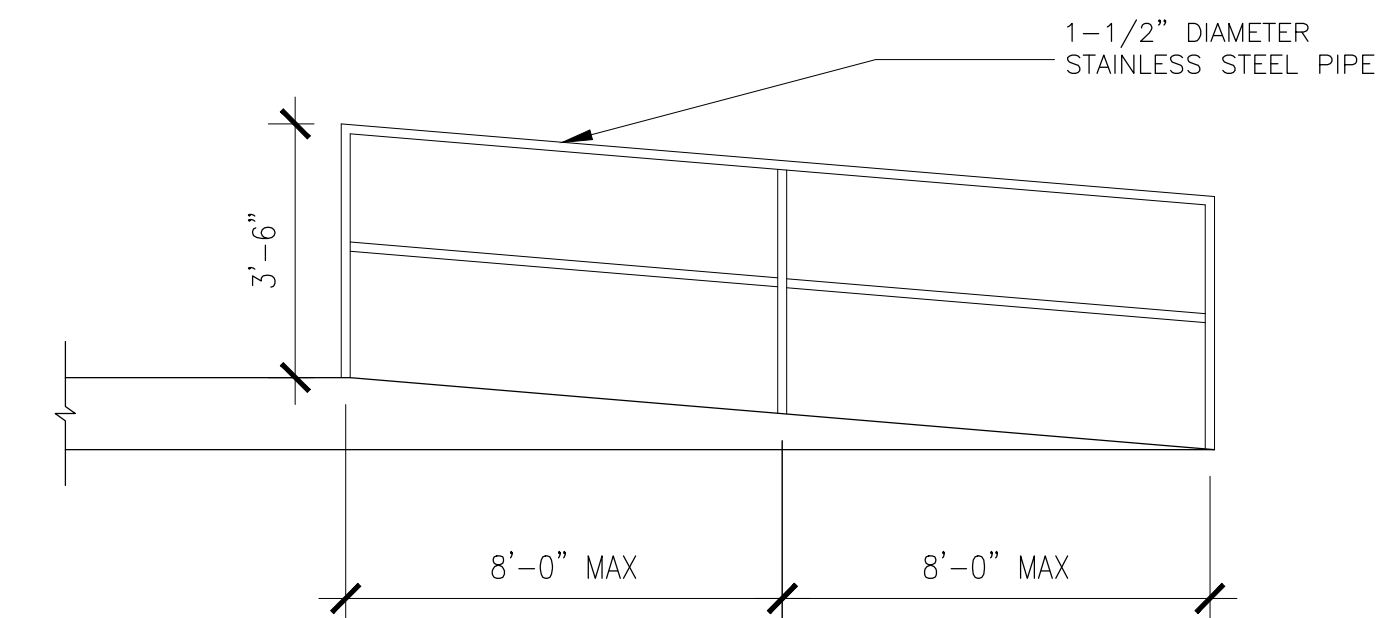
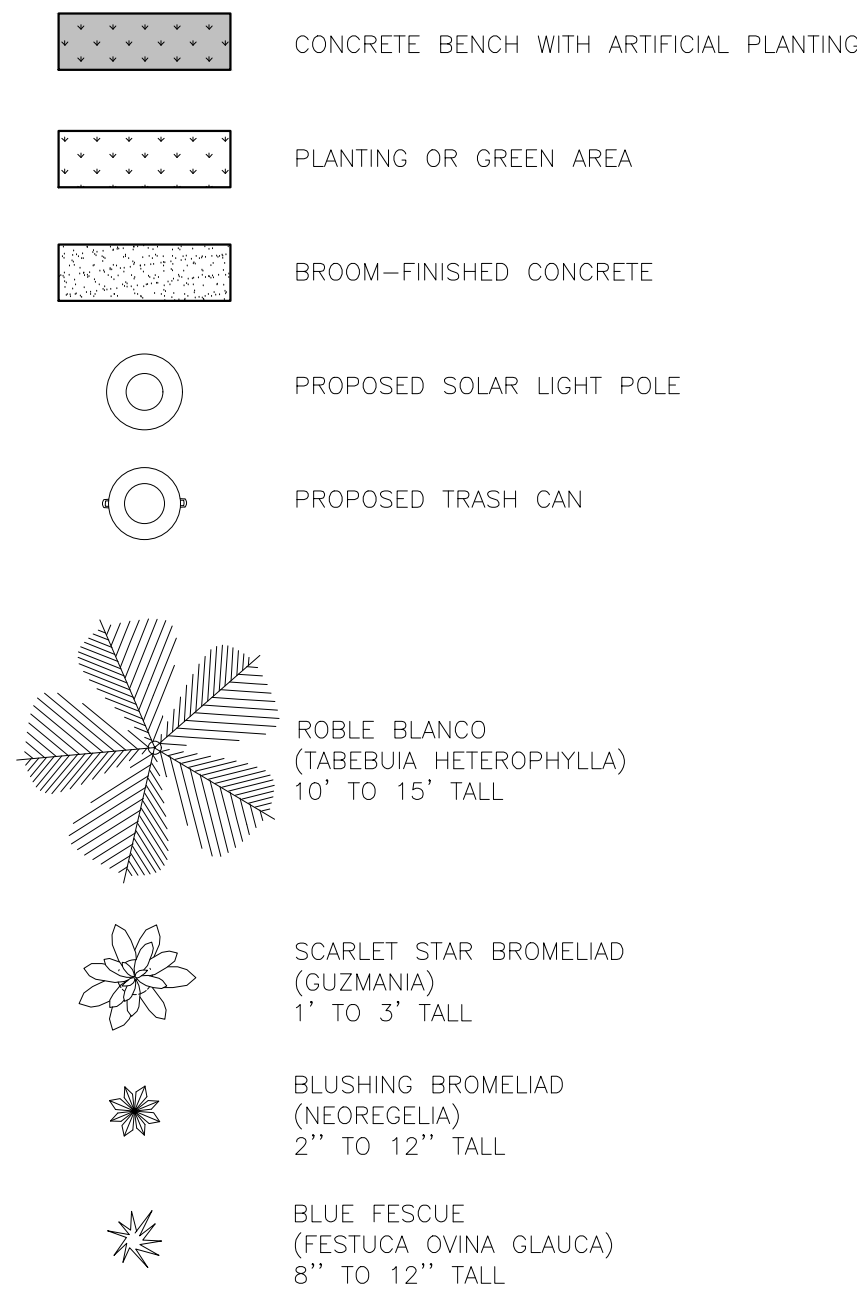
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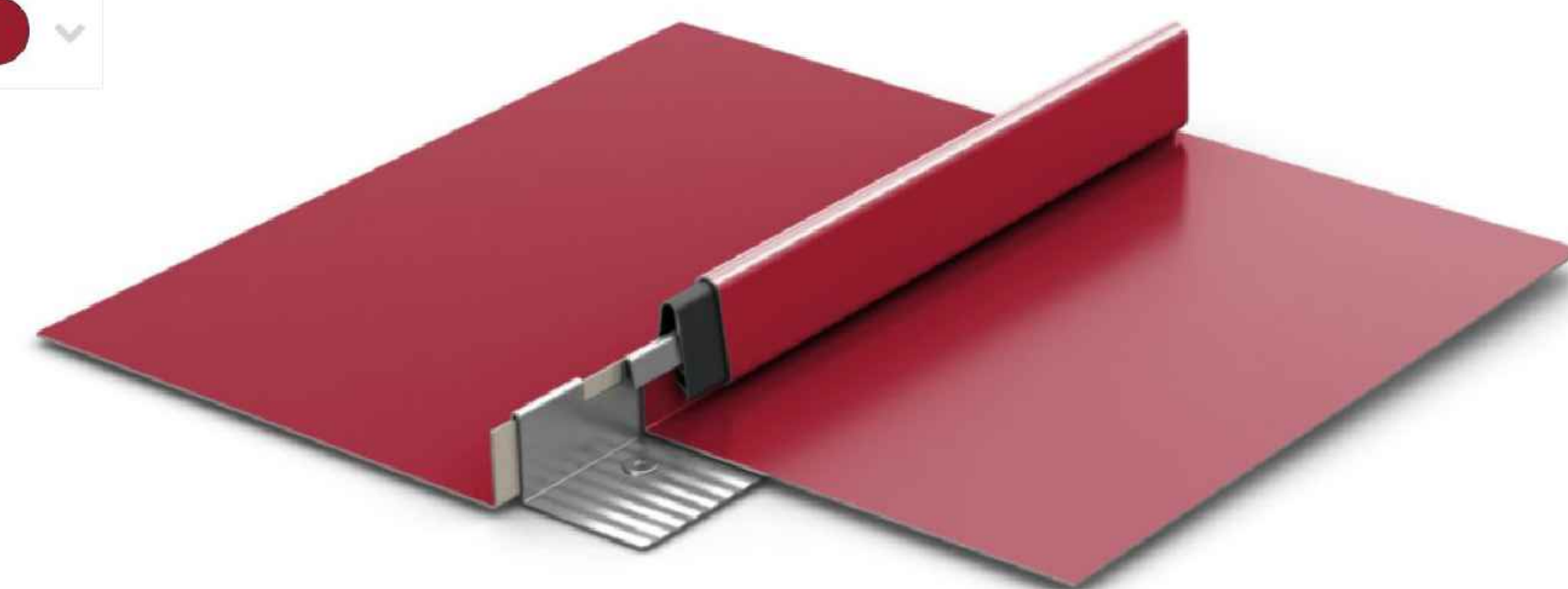
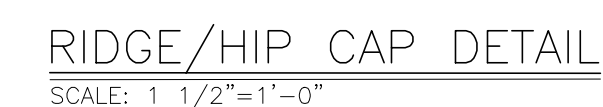
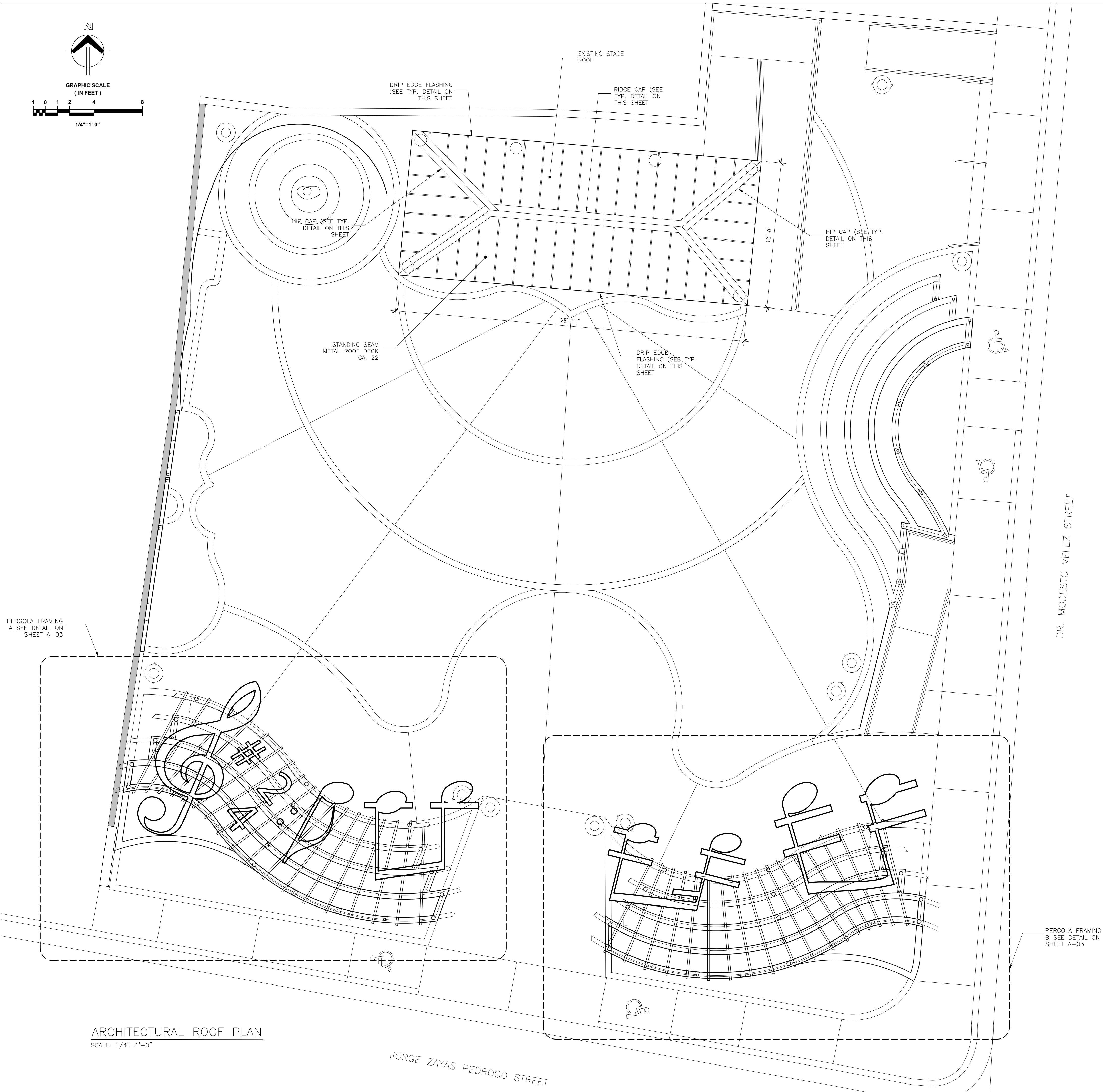


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07 OF 21

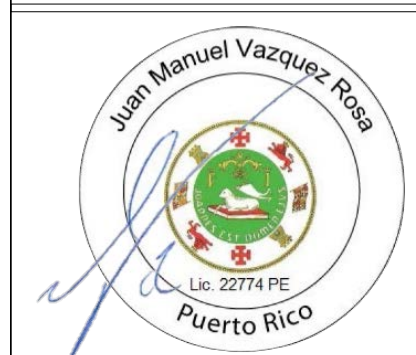




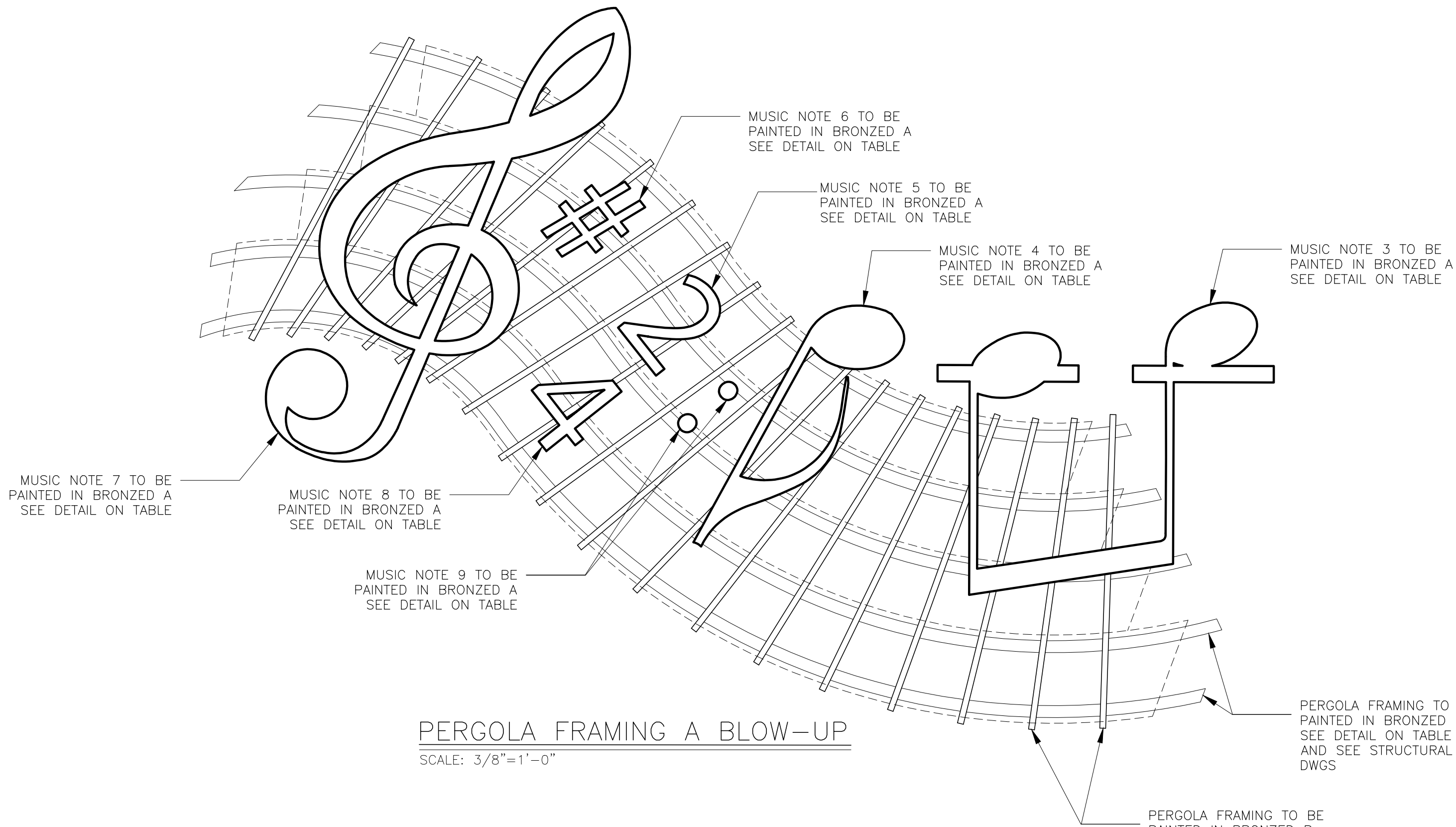




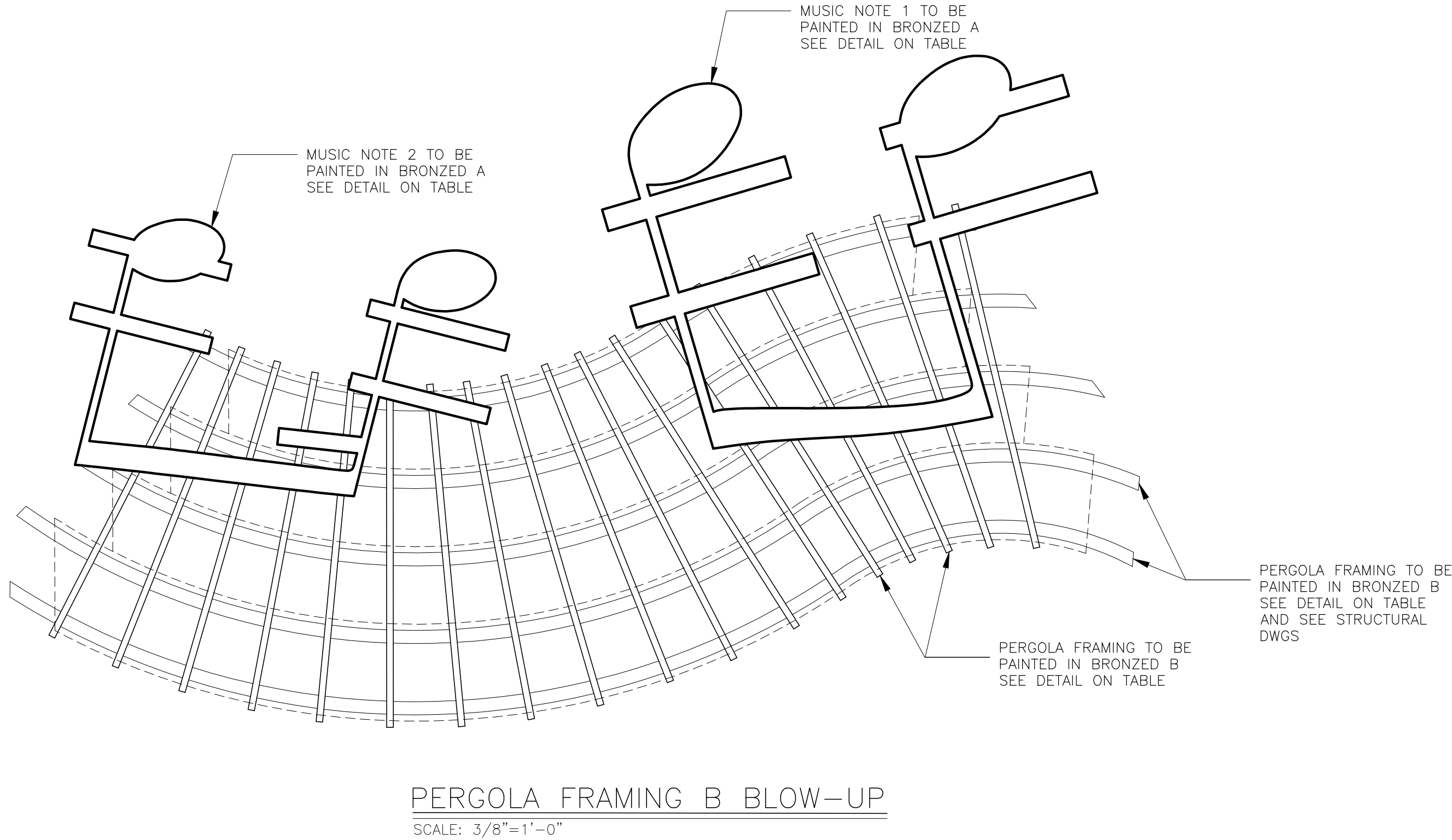
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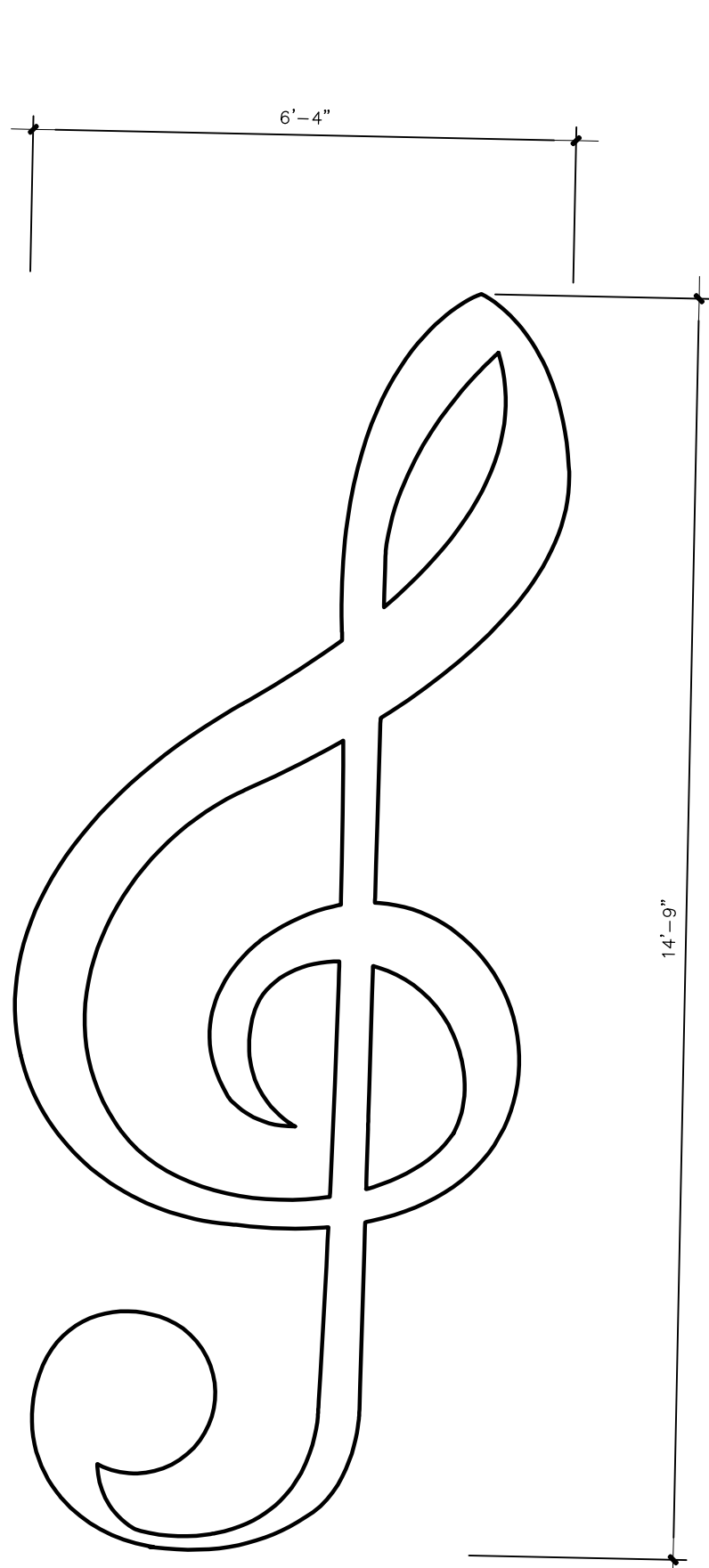




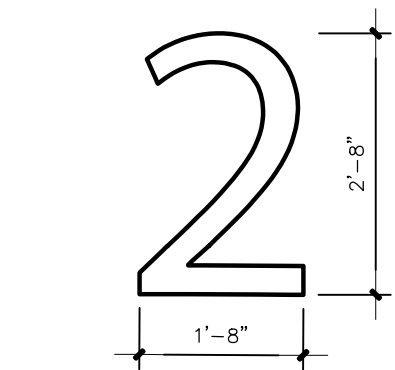
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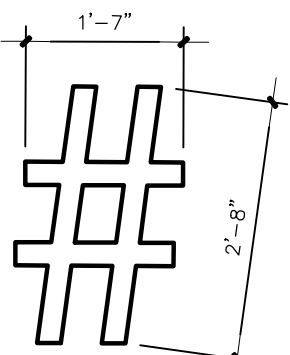
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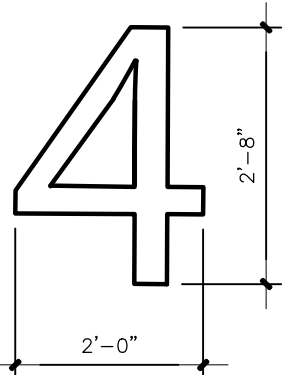
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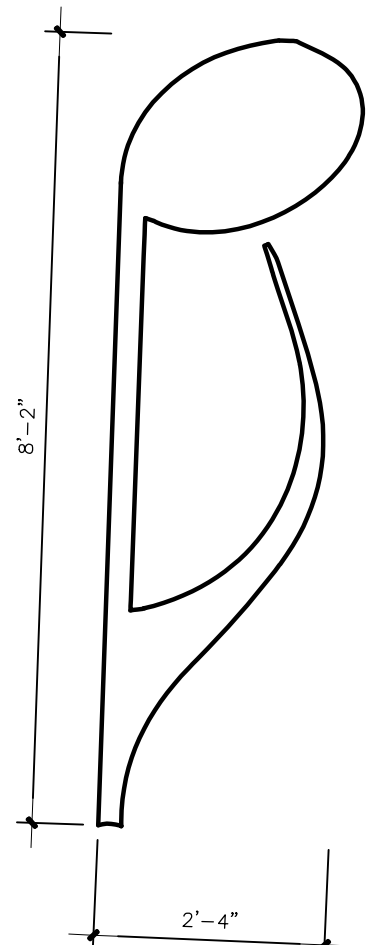
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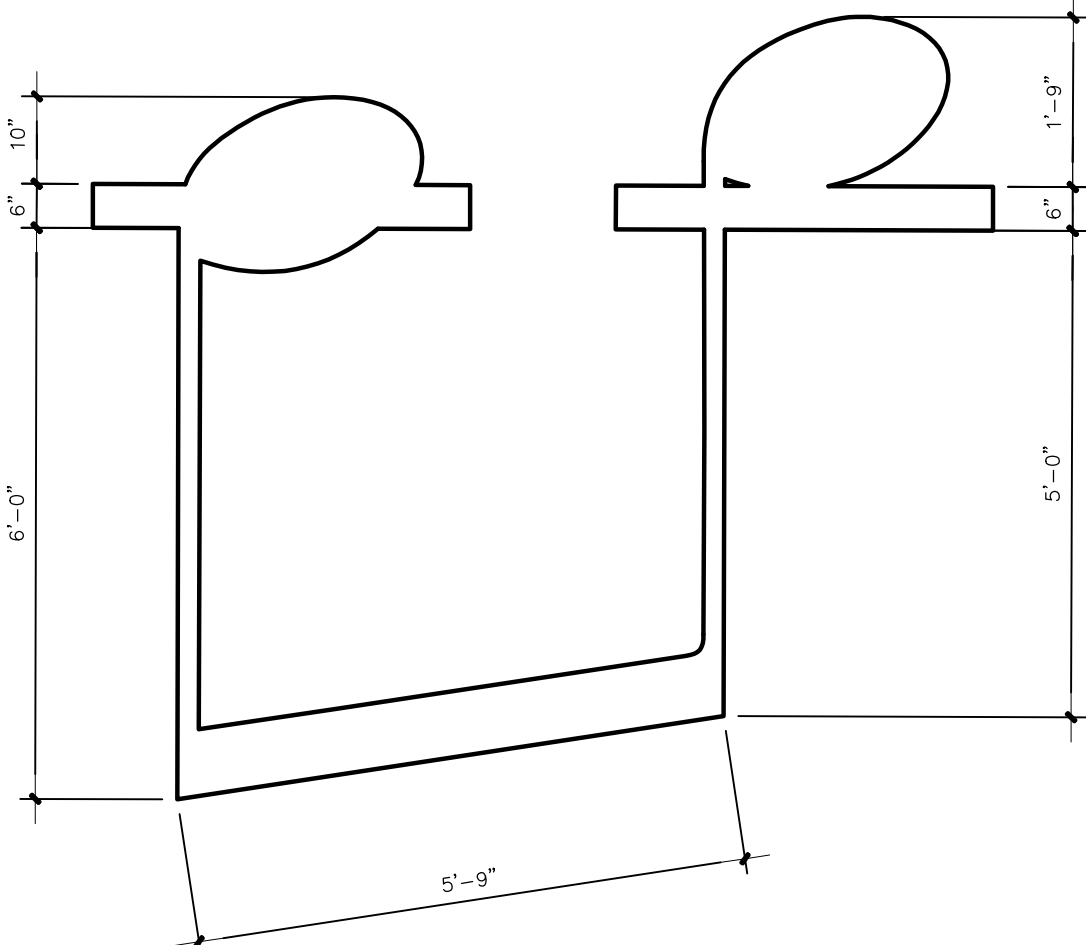
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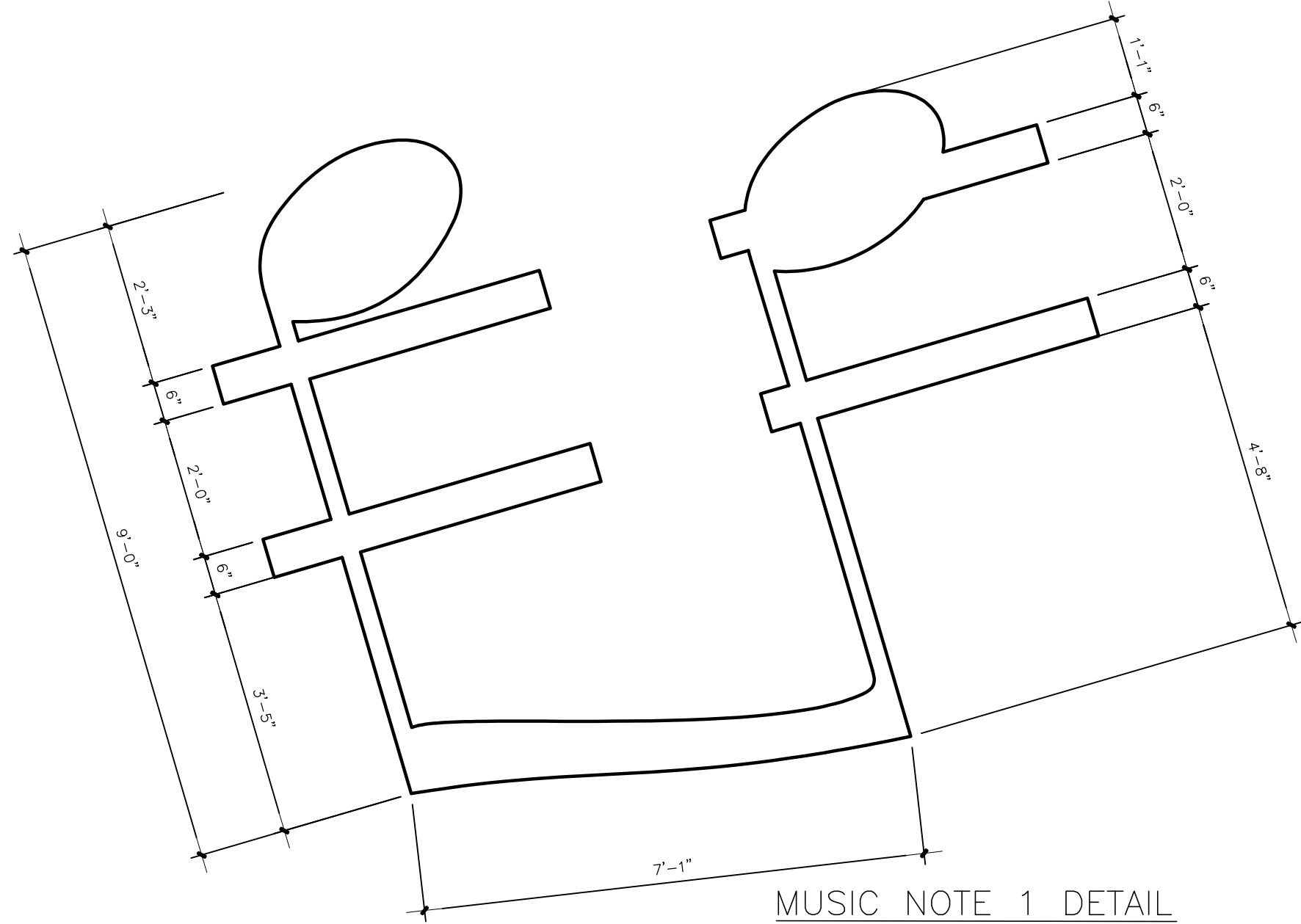
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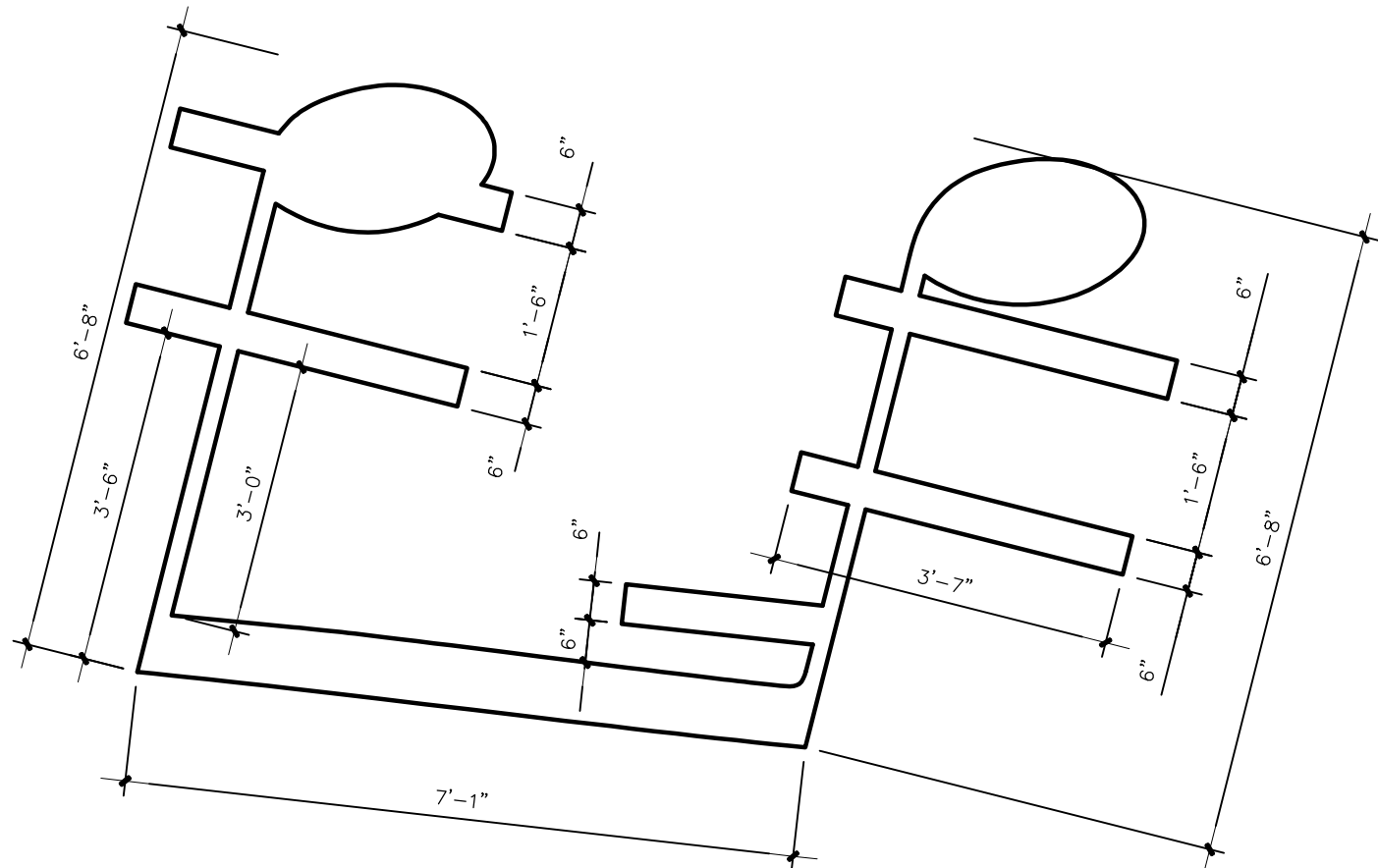
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MUSIC NOTE 3 DETAIL  
SCALE: 1/2"=1'-0"






MUSIC NOTE 1 DETAIL  
SCALE: 1/2"=1'-0"



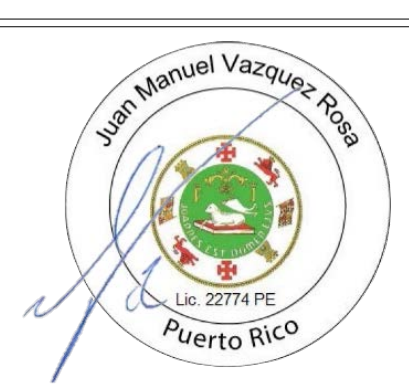
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COLOR TABLE

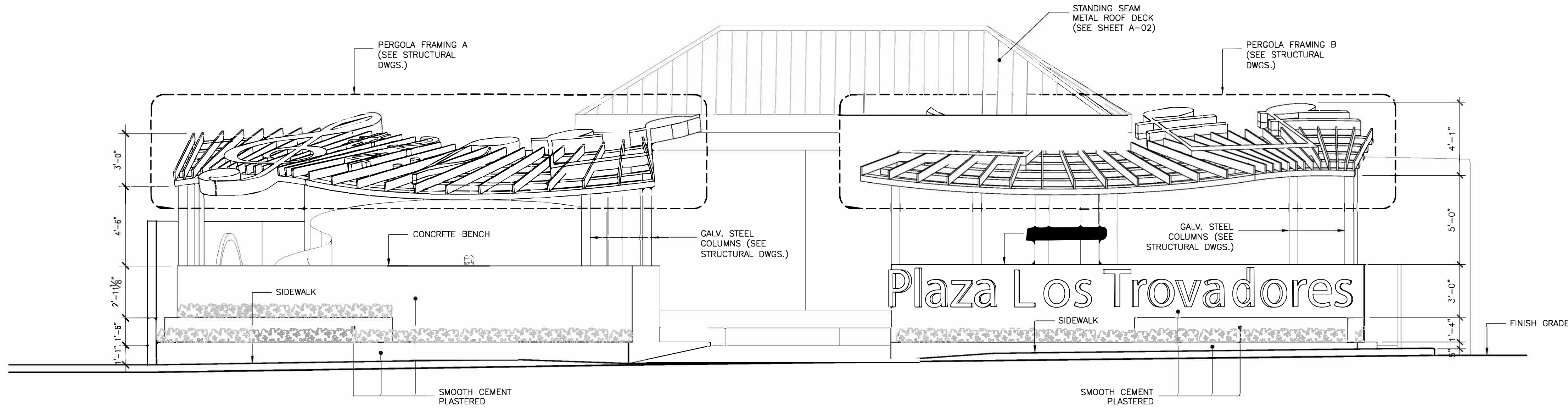
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				MIN.	MAX.
	BRONZED A	b09054	ALUMINUM PAINT FOR MORE DETAIL SEE SHEET GD-03	7.0	13.5
	BRONZED B	846B3D	ALUMINUM PAINT FOR MORE DETAIL SEE SHEET GD-03	7.0	13.5
	WHITE	FFFFFF	STEEL, ORGANIC ZINC/EPOXY/URETHANE TOPCOAT		
			1 CT. ZINC CLAD IV (85)	3.0	5.0
			1 CT. MACROPOXY 646	3.0	10.0
			1 CT. ACROLON 7300	2.0	4.0
			SEE MORE DETAIL ON SHEET GD-03		

CODE NO:	00 - 2021 - 031
DESIGNED BY:	JM/02/21
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REVISIONS	
DATE	
DESCRIPTION	

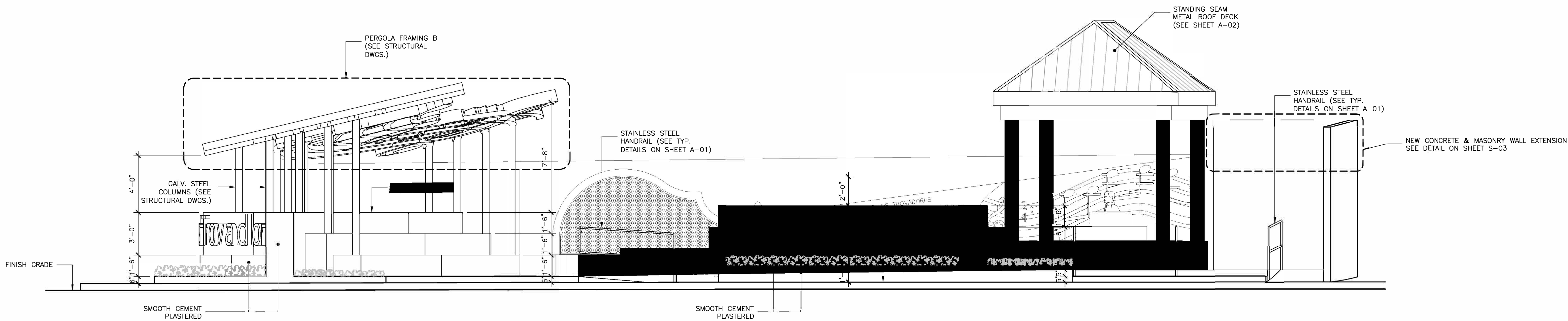
**Vazquez Associates**  
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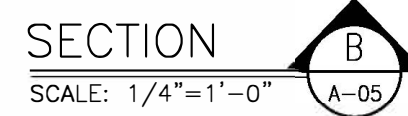
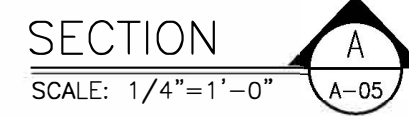
**SOUTH ELEVATION**  
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**EAST ELEVATION**  
SCALE: 1/4"=1'-0"

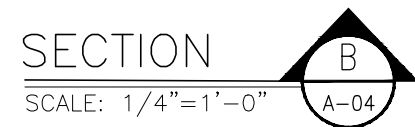
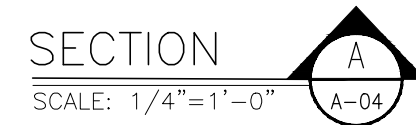
REVISIONS	DATE	DESCRIPTION





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**A-05**  
SHEET NO:  
**12 OF 21**





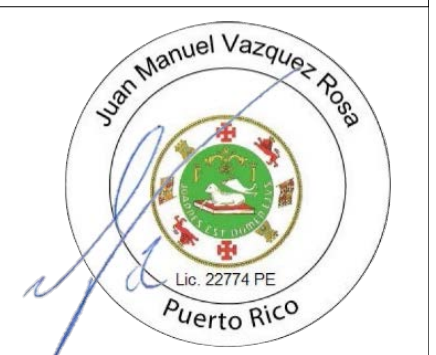
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DESIGNED BY: JNV143002  
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## SECTIONS

SCALE: 1/4" = 1'-0"      DATE: JUNE 2023

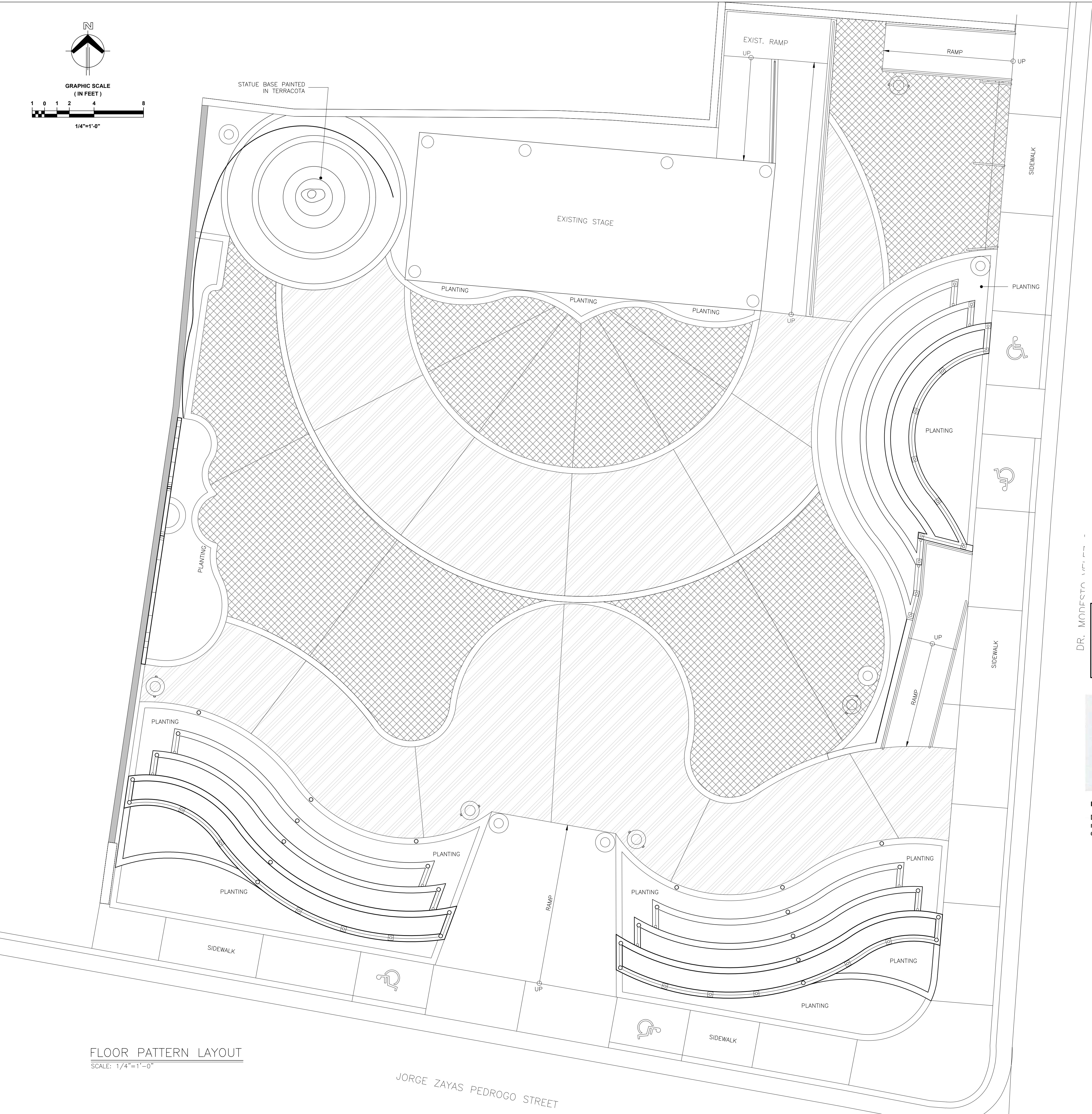


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**A-05**  
SHEET NO:  
**12 OF 21**









FLOOR PATTERN LAYOUT  
SCALE: 1/4"=1'-0"

LEGEND:

- AREA TO BE CONCRETE WITH PIGMENT IN "TERRA COTTA" COLOR CC 875/4  
SEE DETAILS ON THIS SHEET & GD-02
- AREA TO BE CONCRETE WITH PIGMENT IN SOFT GRAY COLOR CC802/.5  
SEE DETAILS ON THIS SHEET & GD-02

Powder & Liquid Integral Color for Concrete

Sandstone CC730/3*	Pecos Beige CC550/3	Fiesta CC320/3*	San Jose Buff CC715/1.5*	Austin Buff CC047/1*
Phoenix Tan CC575/1*	Sand Buff CC725/2*	Desert Tan CC275/4*	Autumn Brown CC050/5*	Cocoa CC177/6
Yuma Gold CC990/2*	Sombra CC805/3	Maplewood CC460/3*	Saltillo CC705/2	Terra Cotta CC875/4*
Tile Red CC895/3	Brick Red CC100/4*	Tahoe Red CC850/5	Cherokee Red CC153/5	Redwood CC630/6*
Navajo CC510/2	Cordova CC200/4	Sedona CC750/2	Tierra CC885/2	Pueblo CC595/4
Soft Gray CC802/.5	Silver Gray CC770/1*	Euro Gray CC285/3	Dark Gray CC230/4*	Charcoal CC150/6*

SPECIALTY COLORS Colors below require special pigments. Call your local representative for details.				
Sun Buff CC840/6*	Pewter CC560/4*	Euro Slate CC290/3	Slate CC785/3	Philly Blue CC570/5

NOTE: Colors shown approximate laboratory samples made with type-1 portland, tan sand, Color-Crete™ pigment and 4 in slump. \* Available in Universal Color Packs

Due to variations of job site conditions, actual colors on the chart can and will vary slightly. Conditions that cause variation are inconsistent slump (water content), finishing and curing methods, weather conditions, and concrete raw materials. A job-site or test slab sample should be made using specified materials, and the finishing and curing techniques to be used. For color consistency, batch to batch uniformity must be maintained.

PLAZA LOS TROVADORES

MUNICIPALITY OF SANTA ISABEL

CITY: SANTA ISABEL      PUERTO RICO

CODE NO: 2021-031

DESIGNED BY: JMV

DRAWN BY:

REVISED	DATE	DESCRIPTION

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FLOOR PATTERN LAYOUT

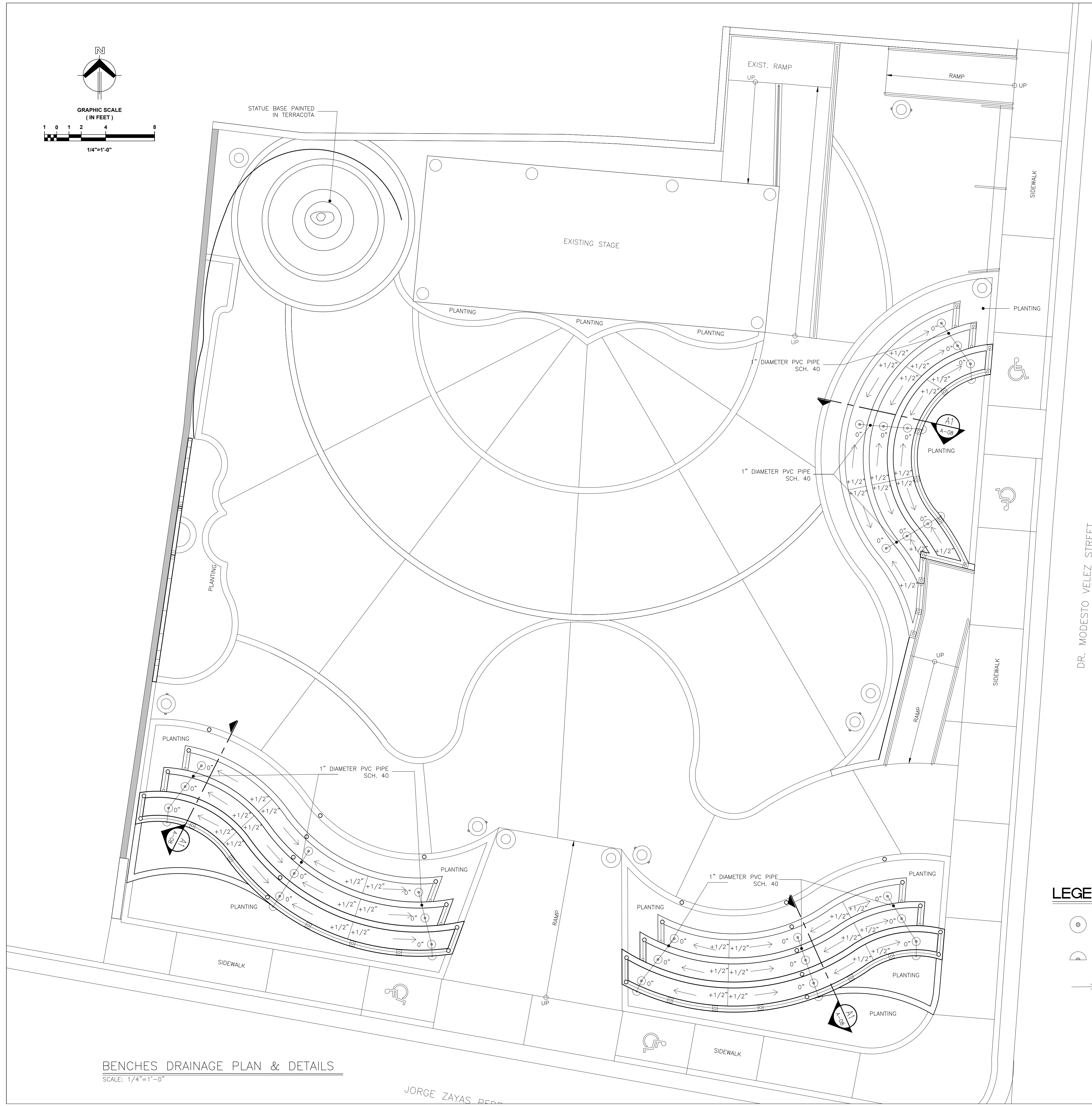
DATE: JUNE 2023

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SHEET NO: 14 OF 21



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# BENCHES DRAINAGE PLAN & DETAILS

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

DATE: JUNE 2023

DRAWING NO:  
**A-08**  
SHEET NO:  
**15 OF 21**



GENERAL NOTES:

- THESE GENERAL NOTES SUPPLEMENT THE PROJECT SPECIFICATIONS. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- SPECIFICATIONS NOTED ON THESE DRAWINGS SHALL BE OF THE LATEST REVISION.
- STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS INTO THEIR SHOP DRAWINGS AND WORK.
- NO OPENINGS, OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS, SHALL BE MADE IN ANY STRUCTURAL MEMBER WITHOUT THE WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.
- NO CHANGE IN SIZE OR DIMENSION OF STRUCTURAL MEMBERSHIP SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
- OPENINGS 1'-4" AND LESS ON A SIDE ARE GENERALLY NOT SHOWN ON THE STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SUCH OPENINGS.
- THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON STRUCTURAL FRAMING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED.
- HORIZONTAL MOVEMENT OF ANY HEAVY EQUIPMENT OVER STRUCTURAL FLOORS OR ROOF AND ITS TEMPORARY AND/OR DEFINITE LOCATIONS MUST BE PREVIOUSLY APPROVED BY THE ENGINEER SO AS NOT TO OVERLOAD THE STRUCTURE OR IN ANY OTHER WAY IMPAIR THE STRUCTURE. SAME PRECAUTION SHALL BE TAKEN FOR THE PILING OF CONSTRUCTIONS MATERIALS.
- THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
- ALL STRUCTURES HAVE BEEN DESIGNED ACCORDING TO FINAL BEHAVIOR AND CONDITIONS. HOWEVER, DURING ERECTION OF SAME, CERTAIN CONDITIONS CAN ARISE FOR WHICH THE BEHAVIOR OR THE STRUCTURE HAS NOT BEEN CONTEMPLATED. THEREFORE, THE CONTRACTOR SHOULD PROVIDE AT ALL TIME ADEQUATE SHORING AND RESTORING UNTIL THE DESIGN CONDITIONS HAVE BEEN MET. IF THERE IS ANY DOUBT DURING ANY PHASE OF THE CONSTRUCTION, PLEASE CONSULT AND/OR NOTIFY THE STRUCTURAL ENGINEER.
- DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALES SHOWN ON DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.
- NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
- CONTRACTOR'S CONSTRUCTION AND/OR ERECTION SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD.
- THE CONTRACTOR SHALL INFORM THE ARCHITECT/ENGINEER IN WRITING OF ANY DEVIATION FROM THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOT BE RELIEVED OF THE RESPONSIBILITY OF SUCH DEVIATION BY THE PROFESSIONAL OF RECORD REVIEW OF SHOP DRAWINGS, PRODUCT DATA, ETC., UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE PROFESSIONAL OF RECORD OF SUCH DEVIATION AT THE TIME OF SUBMISSION, AND THE PROFESSIONAL OF RECORD HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION.
- WHERE "OWNER" IS MENTIONED IN PLANS IT IS TO BE UNDERSTOOD EITHER OWNER OR HIS AUTHORIZED REPRESENTATIVE.
- CONTRACTOR SHALL SUBMIT FOR OWNERS APPROVAL LOCATION AND DETAILS OF CONSTRUCTION JOINTS IN SLABS AND BEAMS, AND IN ANY OTHER STRUCTURAL MEMBERS.
- CONTRACTOR MUST VERIFY ALL DIMENSIONS ON STRUCTURAL PLANS AGAINST THE DIMENSIONS ON ARCHITECTURAL PLANS BEFORE LAYING OUT THE WORK.
- CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING FIELD CONDITIONS PRIOR TO STARTING CONSTRUCTION. IF ANY DISCREPANCY ARISES IN THE STRUCTURAL AND ARCHITECTURAL PLANS, THE ARCHITECTS AND ENGINEERS SHALL BE NOTIFIED IMMEDIATELY.
- CONTRACTOR MUST PROVIDE, SET AND VERIFY DIMENSIONS AND LOCATION OF ALL ANCHORS, INSERTS BOLTS, SLEEVES, CONDUITS, ETC., SHOWN OR NOTED IN ARCHITECTURAL AND/OR MECHANICAL AND PLUMBING PLANS BEFORE THE CONCRETE IS POURED.
- PROVISIONS FOR DETAILS NOT SPECIFICALLY DRAWN SHALL BE MADE BY THE CONTRACTOR IN ACCORDANCE WITH THE LATEST VERSION OF THE ACI BUILDING CODE AND/OR AISC SPECIFICATIONS AND CLARIFIED WITH THE STRUCTURAL ENGINEER.
- ALL DETAILS, SECTIONS AND NOTES SHOWN ON DRAWINGS AND INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE UNLESS NOTED OTHERWISE.
- IN CASE OF DOUBT IN THE INTERPRETATION OF ANY ASPECT OF THESE STRUCTURAL DRAWINGS AND/OR SPECIFICATIONS, THE STRUCTURAL ENGINEER SHALL BE CONSULTED.
- NOTIFY THE STRUCTURAL ENGINEER IN ADVANCE OF CONDITIONS NOT SHOWN OR OMITTED ON THE DRAWINGS.

REFERENCES:

DESIGN, FABRICATION & CONSTRUCTION WORK SHALL COMPLY WITH THE REQUIREMENTS AND PROVISIONS OF THE FOLLOWING CODES AND SPECIFICATIONS THEIR COMMENTARIES AND THE STANDARDS REFERENCED THEREIN:

- AMERICAN CONCRETE INSTITUTE (ACI)
- INTERNATIONAL BUILDING CODE, 2018 (IBC)
- AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)
- CONCRETE REINFORCING STEEL INSTITUTE (CRSI)
- AMERICAN WELDING SOCIETY (AWS)
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
- STEEL DECK INSTITUTE (SDI)
- STEEL JOIST INSTITUTE (SJI)

DESIGN LOADS:

- WIND, LATERAL LOADS : ASCE 7-16  
A) BASIC WIND SPEED 162mph  
B) RISK CATEGORY I  
C) Kzt 1.0  
D) EXPOSURE C
- SEISMIC LATERAL LOADS : IBC 2018  
A) RISK CATEGORY I  
B) SITE CLASS D  
C) Ss 0.90  
F) Si 0.31  
C) SDS 0.68  
D) SD1 0.37  
G) Tl 12
- DEAD LOAD 20 psf
- LIVE LOAD 20 psf

MATERIALS:

- ALL CONCRETE SHALL DEVELOP A MINIMUM 28 DAYS COMPRESSIVE STRENGTH AS FOLLOWS:  
A) FOUNDATIONS & SLAB ON GRADE 4,000 PSI  
B) SIDEWALKS, CURB & GUTTER 3,000 PSI  
C) WALLS, PEDESTALS & BENCHES 4,000 PSI
- PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE I.
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
- ALL REINFORCING BARS SHALL BE HIGH TENSILE DEFORMED MEETING ASTM A-615 GRADE 60, UNLESS NOTED OTHERWISE ON SPECS AND/OR DRAWINGS.
- CONTINUOUS WIRE REINFORCING (JOINT REINFORCING) SHALL BE GALVANIZED TRUSS TYPE FABRICATED UNITS WITH A SINGLE PAIR OF 9 GAUGE SIDE RODS AND 9 GAUGE CONTINUOUS DIAGONAL CROSS RODS FABRICATED FROM COLD-DRAWN STEEL WIRE COMPLYING WITH ASTM A-82.
- STEEL SHALL CONFORM TO THE FOLLOWING GRADES:  
A) W STEEL SHAPES ASTM A-992 Gr.50  
B) PLATES & CONNECTIONS ASTM A-36  
C) STRUCTURAL TUBE (Fy=46 Ksi) ASTM A-500  
D) STEEL PIPE (Fy=35 Ksi) ASTM A-53  
E) ANCHOR BOLTS AND UNFINISHED BOLTS ASTM A-325  
F) BOLTS, NUTS AND WASHERS ASTM A-325  
G) WELDING ELECTRODES (E333, CLASS E7018XX) ASTM A-223
- ALUMINUM SHALL CONFORM TO THE FOLLOWING GRADES:  
A) TUBE SHAPES ASTM B221  
B) ANGLES ASTM B308
- METAL STUDS SHALL CONFORM TO ASTM A-108.

FOUNDATIONS:

- THE FOUNDATION HAS BEEN DESIGNED WITH AN ASSUMED SOIL BEARING CAPACITY OF 2,000 PSF. THE CONTRACTOR MUST VERIFY ALL SOIL CONDITIONS AND BEARING CAPACITY BEFORE STARTING ANY EXCAVATION OR FOUNDATION WORK. IN THE EVENT THAT UNUSUAL SOIL CONDITIONS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED, AND FOUNDATIONS SHALL NOT BE PLACED UNTIL DIRECTION IS RECEIVED FROM THE ENGINEER.
- FOOTINGS MAY BE POURED INTO AN EARTH-FORMED TRENCH IF SOIL CONDITIONS PERMIT.
- ALL BEARING MATERIAL SHALL BE INSPECTED BY THE ENGINEERING IN INSPECTION PRIOR TO CONCRETE PLACEMENT. THE INDEPENDENT INSPECTOR SHALL BE THE SOLE JUDGE AS TO THE SUITABILITY OF THE BEARING MATERIAL. FOOTING ELEVATIONS SHALL BE ADJUSTED AS REQUIRED. THE INSPECTOR SHALL BE THE OWNER'S REPRESENTATIVE AT THE PROJECT SITE, AND AS SUCH WILL BE RESPONSIBLE TO HIM.
- FOUNDATION WORK SHALL BE SUBJECT TO QUALITY ASSURANCE TESTING AND INSPECTION, AS PER TECHNICAL SPECIFICATIONS FOR THE PROJECT.
- ALL BACKFILL SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY.
- ALL EXCAVATIONS AND BACKFILLS SHALL BE INSPECTED FOR COMPLIANCE WITH THE SUBSOIL REPORT RECOMMENDATIONS.

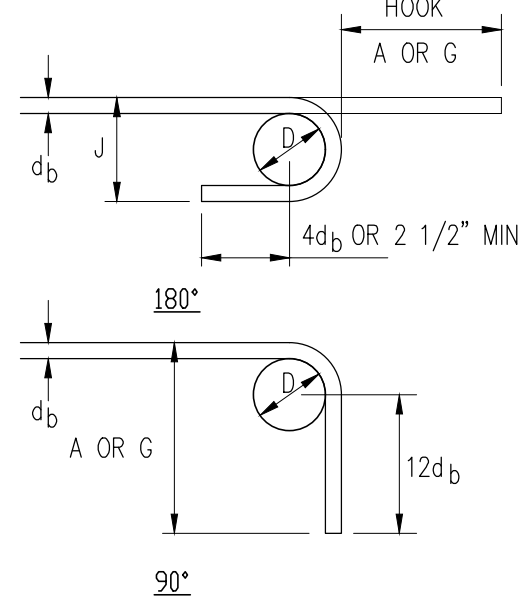
CAST IN PLACE REINFORCED CONCRETE:

- CONCRETE ITEMS AND REINFORCEMENT SHALL BE ERECTED IN STRICT ACCORDANCE WITH OWNER APPROVED SHOP AND ERECTION DRAWINGS FOLLOWING THE DETAILS SHOWN ON PLANS.
- THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PRODUCE CORRECTLY ALIGNED CONCRETE CONSIDERING AMONG OTHER THINGS, THE ELASTIC DEFORMATION OF THE STRUCTURAL MEMBERS.
- CONCRETE SHALL BE NON-AIR ENTRAINED. AIR CONTENT SHALL BE BETWEEN 0 AND 2 PERCENT.
- THE NOMINAL MAXIMUM AGGREGATE SIZE SHALL BE OF 3/4".
- SUMP OF CONCRETE SHALL NOT EXCEED 4" UNLESS A HIGH-RANGE WATER-REDUCING ADMIXTURE IS USED. THE SLUMP OF CONCRETE PRIOR TO ADDITION OF A HIGH-RANGE WATER-REDUCING ADMIXTURE SHALL NOT EXCEED 4". THE SLUMP OF CONCRETE CONTAINING A HIGH-RANGE WATER-REDUCING ADMIXTURE SHALL NOT EXCEED 7".
- CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGNS FOR REVIEW WELL IN ADVANCE OF CONCRETE PLACEMENT. CONCRETE MIX DESIGN SHALL INCLUDE ALL STRENGTH DATA NECESSARY TO SHOW COMPLIANCE WITH THE PROJECT SPECIFICATIONS FOR EITHER THE TRIAL BATCH OR FIELD EXPERIENCE METHOD AND SHALL BE CERTIFIED BY A REGISTERED LICENSED ENGINEER. PHYSICAL TESTS RESULTS FOR COARSE AND FINE AGGREGATES SHALL ALSO BE SUBMITTED CERTIFIED BY A REGISTERED ENGINEER.
- MINIMUM CONCRETE COVER, UNLESS NOTED OTHERWISE: UNFORMED SURFACE IN CONTACT WITH THE GROUND  
  
FORMED SURFACES EXPOSED TO EARTH OR WEATHER:  
#6 BARS AND LARGER 2 IN.  
#5 BARS AND SMALLER 1-1/2 IN.
- ALL REINFORCING SHALL BE DETAILED, FABRICATED AND PLACED, IN ACCORDANCE WITH ACI DETAILING MANUAL (SP-66) AND "THE MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION" BY THE CRSI.
- ALL REINFORCING SHALL BE SUPPORTED IN FORMS USING STEEL CHAIRS, SPACED WITH NECESSARY ACCESSORIES AND SHALL BE SECURELY WIRED TOGETHER, IN ACCORDANCE WITH CRSI "MANUAL OF STANDARD PRACTICE".
- BASE PLATES, ANCHOR BOLTS, SUPPORT ANGLES, ETC., BELOW GRADE SHALL BE COVERED WITH A MINIMUM OF 3" OF CONCRETE.
- NO DEFECTIVE CONCRETE SHALL BE CORRECTED OR COVERED WITH MORTAR, PLASTER ETC. WITHOUT THE INSPECTORS' APPROVAL.
- CONCRETE WORK SHALL BE SUBJECT TO QUALITY ASSURANCE TESTING AND INSPECTIONS. SEE QUALITY ASSURANCE GENERAL NOTES AND PROJECT SPECIFICATIONS.
- ALL SYMBOLS AND STRESSES AS WELL AS CONCRETE WORK SHALL CONFORM TO THE STANDARD OF THE LATEST VERSION OF THE ACI BUILDING CODE.
- ALL SLAB AND CORRESPONDING BEAMS, CURBS, OR APRONS SHALL BE POURED MONOLITHICALLY.
- ALL REINFORCING, SLEEVES, CONDUITS, INSERTS AND BOLTS SHALL BE WELL SECURED AND IN PLACE BEFORE CONCRETE IS POURED.
- CONCRETE SHALL NOT BE DROPPED THROUGH REINFORCING STEEL SO AS TO CAUSE SEGREGATION OF AGGREGATES IN SUCH CASES, HOOPERS OR VERTICAL CHUTES OR TRUNKS SHALL BE USED. THE FREE UNCONFINED FALL OF CONCRETE SHALL NOT EXCEED THE ABOVE REQUIREMENTS.
- LAP SPLICES SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE, UNLESS NOTED OTHERWISE, WHERE CLASSES ARE NOT CALLED OUT ON DRAWINGS, USE CLASS "B" SPLICE.

S P L I C E S   T A B L E (GRADE 60)						
BAR SIZE	F'c (psi)	TENSION				COMPRESSION
		TOP BARS SPLICE CLASS		OTHER BARS SPLICE CLASS		SPLICE
		A	B	A	B	
#3	3,000	22"	28"	17"	22"	12"
	4,000	19"	25"	18"	19"	12"
	5,000	17"	22"	13"	23"	12"
#4	3,000	29"	38"	22"	17"	15"
	4,000	25"	33"	19"	25"	15"
	5,000	23"	29"	17"	23"	15"
#5	3,000	36"	47"	28"	36"	19"
	4,000	31"	41"	24"	31"	19"
	5,000	28"	36"	22"	28"	19"
#6	3,000	43"	56"	33"	43"	23"
	4,000	37"	49"	29"	37"	23"
	5,000	34"	44"	26"	34"	23"
#7	3,000	63"	81"	48"	63"	27"
	4,000	54"	71"	42"	54"	27"
	5,000	49"	63"	38"	49"	27"
#8	3,000	72"	93"	55"	72"	30"
	4,000	62"	81"	48"	62"	30"
	5,000	56"	72"	43"	56"	30"
#9	3,000	81"	105"	62"	81"	34"
	4,000	70"	91"	54"	70"	34"
	5,000	63"	81"	48"	63"	34"

COMPRESSION DOWEL EMBEDMENT: 22 BAR DIAMETERS LAP WELDED WIRE FABRIC ONE SPACING OF CROSS WIRES PLUS 2" THE DEVELOPMENT LENGTH INDICATED ABOVE IS VALID WHEN ONE OF THE FOLLOWING CONDITIONS IS MET:  
- CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN  $d_b$ , CLEAR COVER NOT LESS THAN  $d_b$ , AND STIRRUPS OR TIES THROUGHOUT  $l_b$  NOT LESS THAN THE CODE MINIMUM. - CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN  $2d_b$  AND CLEAR COVER NOT LESS THAN  $d_b$ .

END HOOKS FOR ALL GRADES				
BAR SIZE	FINISHED BEND DIAMETER "D", IN.	180° HOOKS		90° HOOKS
		A OR G	J	A OR G
#3	3"	6"	4"	7"
#4	3"	7"	5"	9"
#5	4"	8"	7"	11"
#6	5"	9"	8"	13"
#7	6"	11"	9"	15"
#8	6"	12"	10"	17"
#9	10"	16"	12"	21"
#10	11"	18"	13"	23"
#11	12"	20"	15"	26"
#14	17"	28"	21"	33"
#18	23"	37"	28"	43"



- FOR CONSTRUCTION JOINTS IN STRUCTURAL MEMBERS A VERTICAL BULKHEAD AND KEY JOINT MUST BE PROVIDED.
- MINIMUM LAP OF WELDED WIRE FABRIC SHALL BE 6 INCHES OR ONE FULL MESH, WHICHEVER IS GREATER.
- SLAB ON GROUND, AS INDICATED ON DRAWINGS.
- FOR CONCRETE FORMWORK, SURFACE FINISHING, BEVELED CORNERS AND DRIPS, SEE ARCHITECTURAL PLANS.
- PLACEMENT OF CONCRETE SHALL CONFORM TO ACI STANDARD 304 AND PROJECT SPECIFICATIONS.
- PROVIDE DOWELS IN PEDESTAL AND/OR WALL FOOTINGS EQUAL IN GRADE, SPACING, SIZE AND NUMBER TO VERTICAL REINFORCEMENT, EXTENDING A TENSION SPLICE LENGTH INTO THE PEDESTAL AND/OR WALL AND 40 BAR DIAMETER INTO FOOTING. (THE LATERAL EMBEDMENT SHALL BE EXTENDED AS NECESSARY TO PROVIDE A MINIMUM HORIZONTAL LEG RESTING ON FOOTING REINFORCEMENT EQUAL TO THE CORRESPONDING "G" LENGTH FOR THE BAR SIZE.)
- THE SIZE OF NAILS AND SIMILAR FASTENERS DRIVEN INTO CONCRETE SHALL BE SUCH, AS NOT TO CRACK OR IMPAIR IT. NEVERTHELESS, IF THE CONCRETE IS DAMAGED, IT SHALL BE PROPERLY REPAIRED AFTER REMOVING THE DAMAGED PORTION AND SUITABLE JOINT SURFACE ARE PROVIDED.
- ALL CAST IN PLACE REINFORCED CONCRETE STRUCTURAL MEMBERS SHALL BE PROPERLY CURED IN ACCORDANCE WITH THE LATEST VERSION OF THE ACI CODE, CHAPTER V AND ACI 308.
- ALL LAPPING, BENDING AND PLACING OR REINFORCEMENT SHALL BE DONE IN ACCORDANCE WITH THE LATEST VERSION OF THE ACI BUILDING CODE.
- ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
- ALL NEGATIVE REINFORCEMENT (TOP REINF.) AND POSITIVE REINFORCEMENT (BOTTOM REINF.) IN SLABS AND BEAMS SHALL BE EXTENDED BEYOND THE CENTER LINE OF THE END SUPPORTS IN ACCORDANCE WITH THE LATEST VERSION OF THE ACI BUILDING CODE, UNLESS OTHERWISE SPECIFIED.
- WELDING OF REINFORCEMENT SHALL BE WITH LOW HYDROGEN ELECTRODES IN CONFORMANCE WITH "REINFORCING STEEL WELDING CODE" AND "RECOMMENDED PRACTICES FOR WELDING REINFORCING STEEL" BOTH BY THE AWS (AWS D12.1. & AWS D1.4 RESPECTIVELY).

- ALL FORMWORK FOR FLEXURAL MEMBERS SHALL BE BUILT WITH A CAMBER CORRESPONDING TO ITS OWN DEFORMATION PLUS THE STRUCTURE DEAD LOAD DEFORMATIONS. IN DETERMINING THE AMOUNT OF CAMBER, THE CONTRACTOR SHALL HAVE THE ASSISTANCE OF THE DESIGNER WHERE SO REQUESTED.
- PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING. DO NOT CUT ANY REINFORCEMENT BAR WHICH MAY CONFLICT. CORING IN CONCRETE IS NOT PERMITTED U.N.O.
- NO JOINT, OPENING, SLOT OR GROOVE OTHER THAN THAT SHOWN ON DRAWINGS SHALL BE PERMITTED WITHOUT PREVIOUS APPROVAL BY THE ENGINEER. ALL CONSTRUCTION JOINT SURFACES SHALL BE CLEANED AND ROUGHENED IMMEDIATELY BEFORE CONCRETING AND TREATED AS INSTRUCTED IN THE "ACI MANUAL OF CONCRETE PRACTICE".
- CONDUIT OF PIPE SIZE (O.D.) SHALL NOT EXCEED 30 PERCENT OF TOTAL SLAB THICKNESS AND SHALL BE PLACED BETWEEN THE TOP & BOTTOM REINFORCEMENT, UNLESS SPECIFICALLY DETAILED OTHERWISE. CONCENTRATIONS OF CONDUITS OR PIPES SHALL BE AVOIDED EXCEPT WHERE DETAILED OPENINGS ARE PROVIDED.
- WATER-CEMENT RATIO REQUIREMENTS FOR DIFFERENT COMPRESSIVE STRENGTHS OF CONCRETE.

COMPRESSIVE STRENGTH AT 28 DAYS, psi	WATER-CEMENT RATIO BY WEIGHT NON-AIR ENTRAINED	AIR ENTRAINED CONCRETE
4,000	0.57	0.48
3,000	0.68	0.59
2,000	0.82	0.74

STRUCTURAL STEEL

- ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST VERSION OF THE AISC CODE OF STANDARD PRACTICE. EXCEPT AS MODIFIED IN THESE NOTES AND THE PROJECT SPECIFICATIONS AND/OR DRAWINGS.
- THE STEEL STRUCTURE IS A PARTIAL-SELF-SUPPORTING STEEL FRAME AND IS DEPENDENT UPON DIAPHRAGM ACTION OF THE METAL ROUGH DECK AND ATTACHMENT TO THE EXISTING MASONRY AND CONCRETE WALLS FOR STABILITY AND FOR RESISTANCE TO WIND AND SEISMIC FORCES. PROVIDE ALL TEMPORARY SUPPORTS REQUIRED FOR STABILITY AND FOR RESISTANCE TO WIND AND SEISMIC FORCES UNTIL THESE ELEMENTS ARE COMPLETED AND ARE CAPABLE OF PROVIDING THIS SUPPORT.
- THE FABRICATOR IS RESPONSIBLE FOR THE SHOP DRAWINGS OF ALL CONNECTIONS. CONNECTION DETAILS INDICATED ON THE DRAWINGS SHALL BE INCORPORATED INTO FABRICATOR'S CONNECTION SHOP DRAWING. ALL SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY THE FABRICATOR'S ENGINEER WITH THE ENGINEER'S SEAL.
- SPLICING OF STEEL MEMBERS, UNLESS SHOWN ON THE DRAWING, IS PROHIBITED WITHOUT WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
- UNLESS NOTED OTHERWISE, BEAMS SHALL BEAR 8" MINIMUM ON CONCRETE OR MASONRY. UNLESS NOTED OTHERWISE, ANCHOR BEAMS TO MASONRY WITH TWO (2) 3/4" DIAMETER ANCHOR BOLTS WITH 4" HOOK AND 1'-4" EMBEDMENT.
- STRUCTURAL STEEL WORK SHALL BE SUBJECT TO QUALITY ASSURANCE TESTING AND INSPECTIONS. SEE QUALITY ASSURANCE GENERAL NOTES AND PROJECT SPECIFICATIONS. AISC, ASTM & AWS SPECIFICATIONS WILL GOVERN ALL STRUCTURAL STEEL WORKS.
- DESIGN AND CONSTRUCTION SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION STANDARD PRACTICE.
- STRUCTURAL STEEL WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER AND IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY, (AWS), REQUIREMENTS.
- ALL INSPECTION AND TESTING OF WELDING SHALL BE DONE IN ACCORDANCE TO SECTION 501 THRU 607 OF THE AWS CODE FOR WELDING IN BUILDING CONSTRUCTION.
- ALL CONNECTIONS SHALL BE BEARING TYPE UNLESS OTHERWISE SPECIFIED ON PLANS.
- VERTICAL BRACING CONNECTIONS SHALL DEVELOP THE TENSION CAPACITY OF THE CONNECTED MEMBER.
- MOMENT CONNECTIONS SHALL BE DESIGNED TO DEVELOP THE PLASTIC MOMENT CAPACITY OF THE BEAM U.N.O.
- SHOP DRAWINGS FOR ALL STRUCTURAL STEEL FABRICATION AND ERECTION SHALL BE SUBMITTED TO THE DESIGNER FOR APPROVAL WELL IN ADVANCE OF CONSTRUCTION.
- INCORRECTLY FABRICATED, DAMAGED OR OTHERWISE MISFITTING OR NON-CONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE ENGINEER FOR REVIEW AND APPROVAL OR REJECTION, PRIOR TO REMEDIAL OR CORRECTIVE ACTION TO BE IMPLEMENTED.
- UNLESS OTHERWISE NOTED, THE FOLLOWING MINIMUMS SHALL APPLY:  
A) WELD SIZE 3/16"  
B) BOLT DIAMETER 3/4"  
C) PLATE THICKNESS 3/8"  
D) CLIP ANGLE THICKNESS 5/16"  
E) BOLTS/ANGLE LEG 2"
- ONE BOLT ASSEMBLY SHALL CONSIST OF:  
A) A HEAVY HEX STRUCTURAL BOLT  
B) A HEAVY HEX NUT  
C) A HARDENED STEEL WASHER
- COLUMN STIFFENERS SHALL BE PROVIDED AS REQUIRED TO DEVELOP THE PLASTIC MOMENT CAPACITY OF THE CONNECTED BEAM U.N.O.
- FRAMED BEAM CONNECTIONS SHALL BE OF A TYPE SIMILAR TO AND OF EQUAL CAPACITY AS THOSE SHOWN IN TABLES II, III AND IV OF THE AISC MANUAL, AND SHALL DEVELOP THE SHEAR CAPACITY ( $W_c/2L$ ) GIVEN IN THE UNIFORM LOAD CONSTANTS TABLE.
- CONNECTIONS SHALL BE DESIGNED AS SLIP CRITICAL, WITH BOLT LENGTH AS PER BEARING TYPE X.
- HORIZONTAL BRACING CONNECTIONS SHALL DEVELOP THE COMPRESSION CAPACITY OF THE CONNECTED MEMBER.

PLAZA LOS TROBADIRES

MUNICIPALITY OF SANTA ISABEL

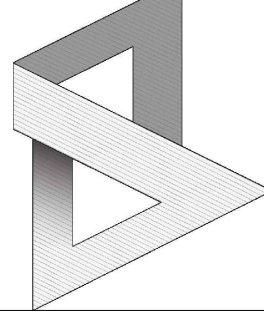
CITY: SANTA ISABEL

PUERTO RICO

CODE NO: 000 - 2024 - 031  
DESIGNED BY: DRW/01/27

REVISED	DATE	DESCRIPTION

**Vazquez Associates**  
Engineers • Architects • Project Managers  
P.O. Box 10000, San Juan, PR 00910-0000  
TEL: (787) 284-1288 FAX: (787) 284-1341  
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STRUCTURAL NOTES

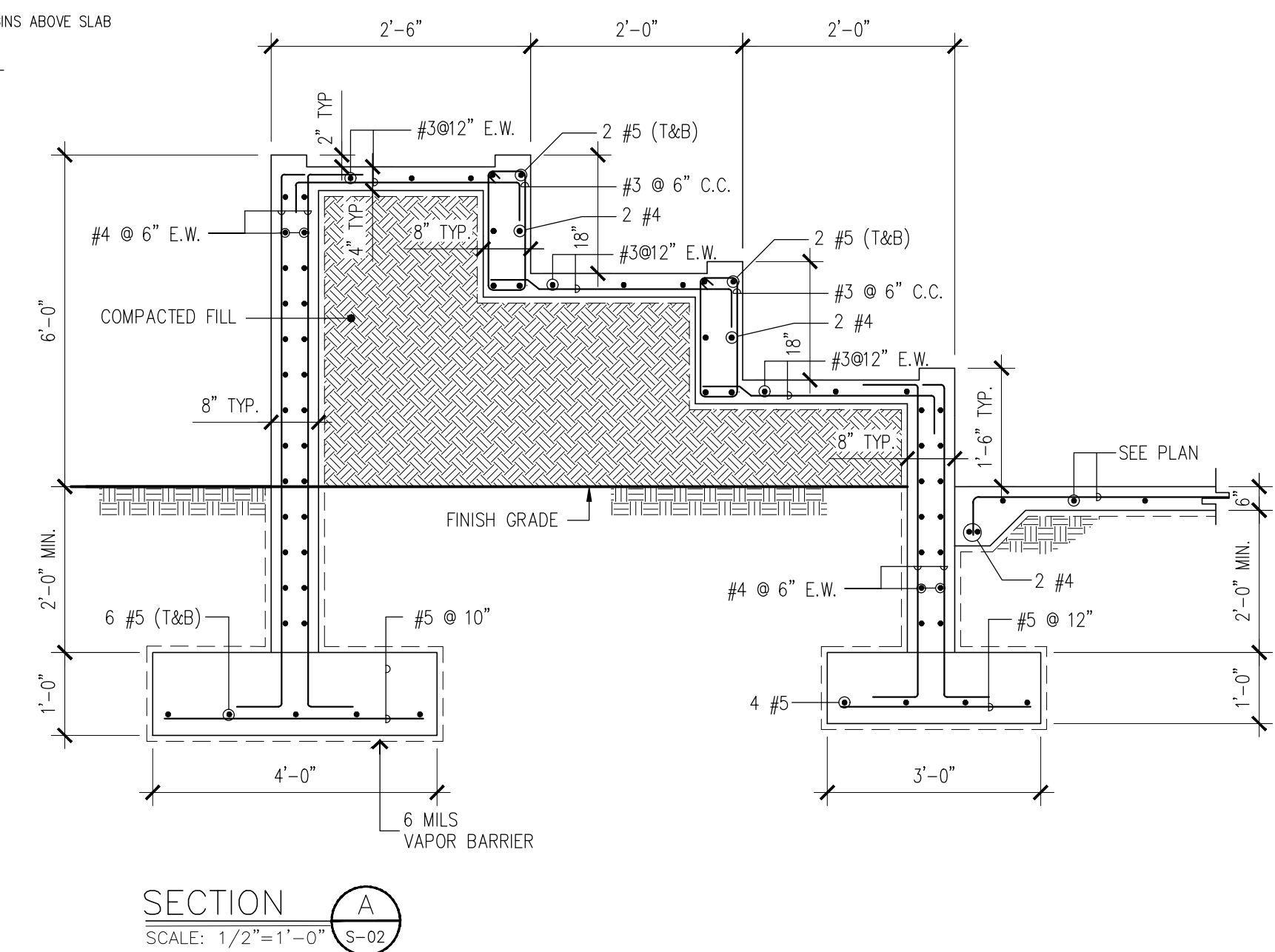
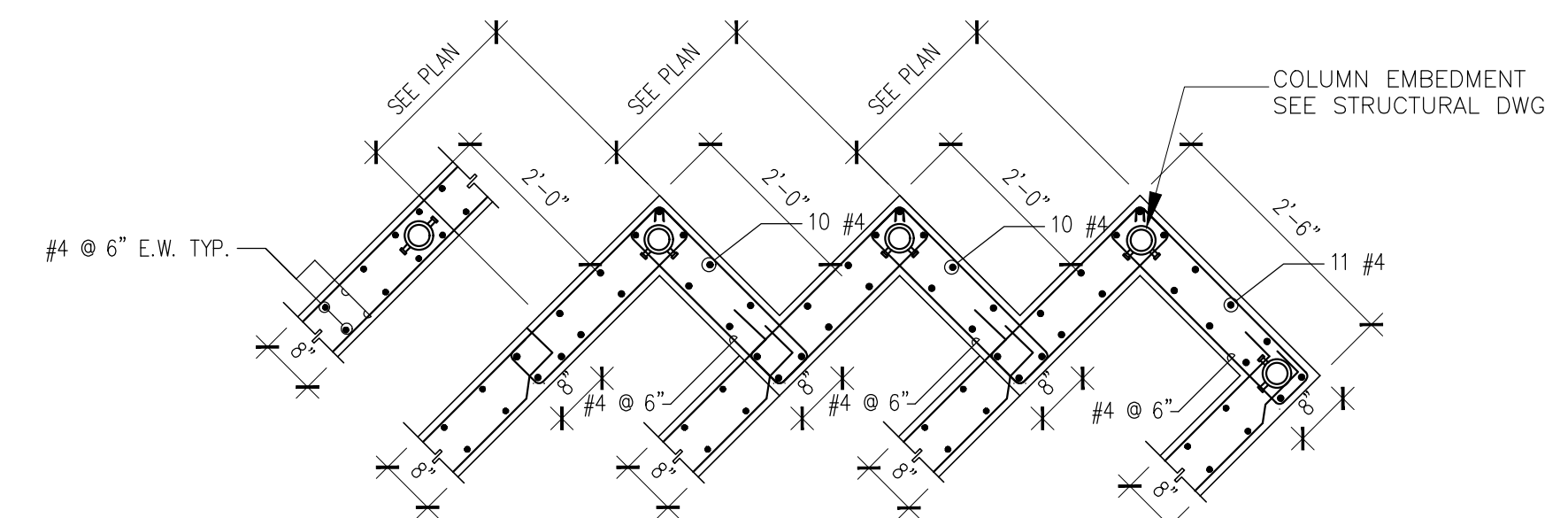
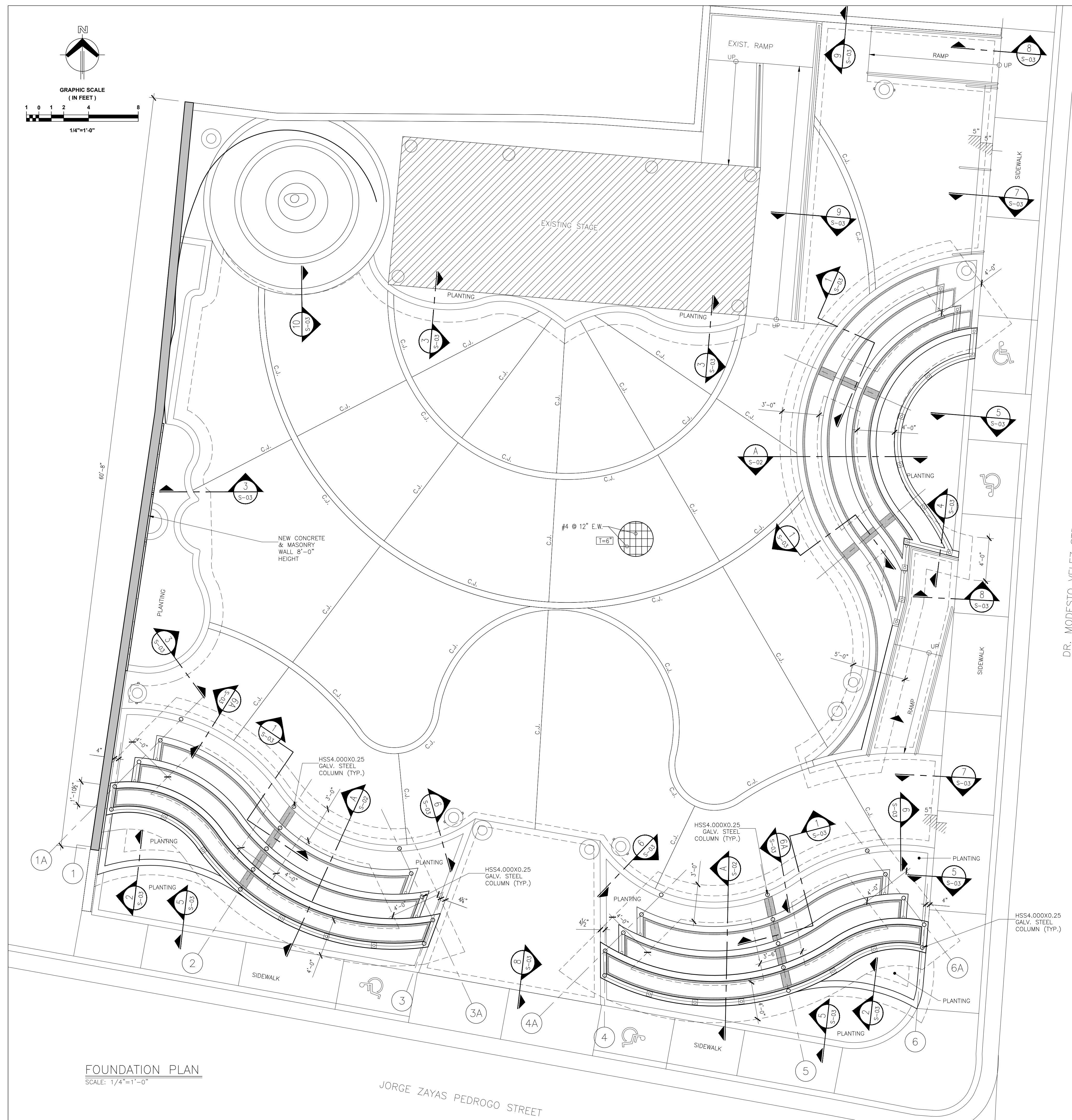
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




DRAWING NO: S-01  
SHEET NO: 16 OF 21





LEGEND:

E.W.	EACH WAY
E.F.	EACH FACE
C.M.U.	CONCRETE MASONRY UNIT
C.C.	CENTER TO CENTER
C.J.	CONSTRUCTION JOINT

	WALL OR COLUMN
	WALL OR BEAM BELOW SLAB OR OPENING
	WALL, BEAM OR PARAPET ABOVE OPENING
	WALL BEGINS ABOVE SLAB
	CMU WALL

DR. MODESTO VELEZ STREET

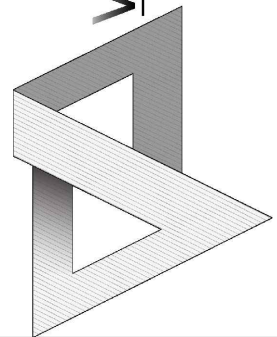
# PLAZA LOS TROBADIRES

CITY: SANTA ISABEL  
PUERTO RICO

CODE NO: \_\_\_\_\_ - C-01  
DESIGNED BY: IGJANQIE  
DRWN. BY:

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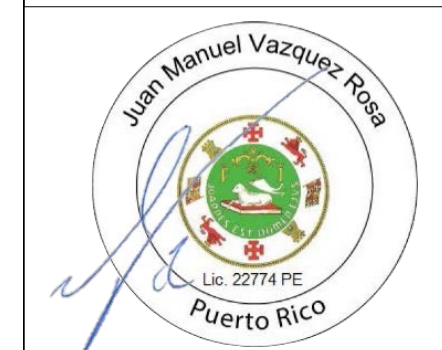
**Vazquez Associates**  
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# FOUNDATION PLAN

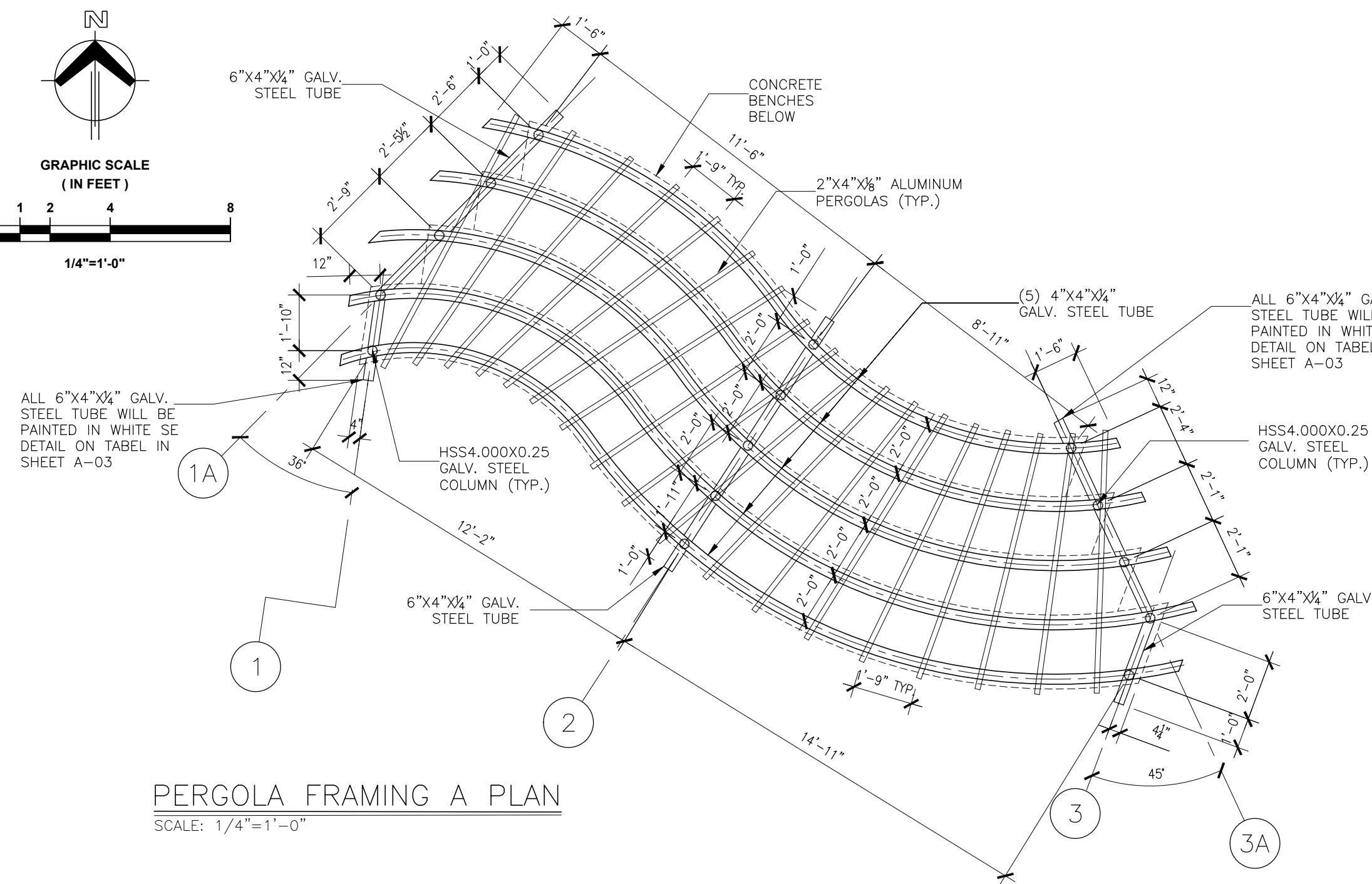
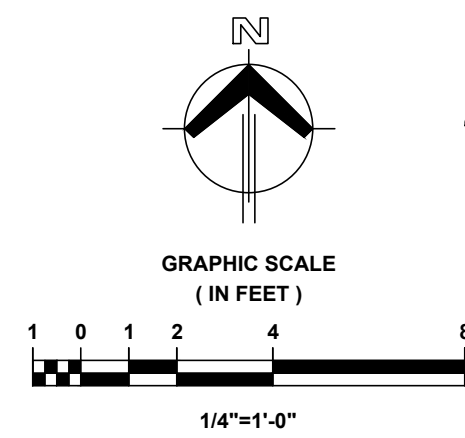
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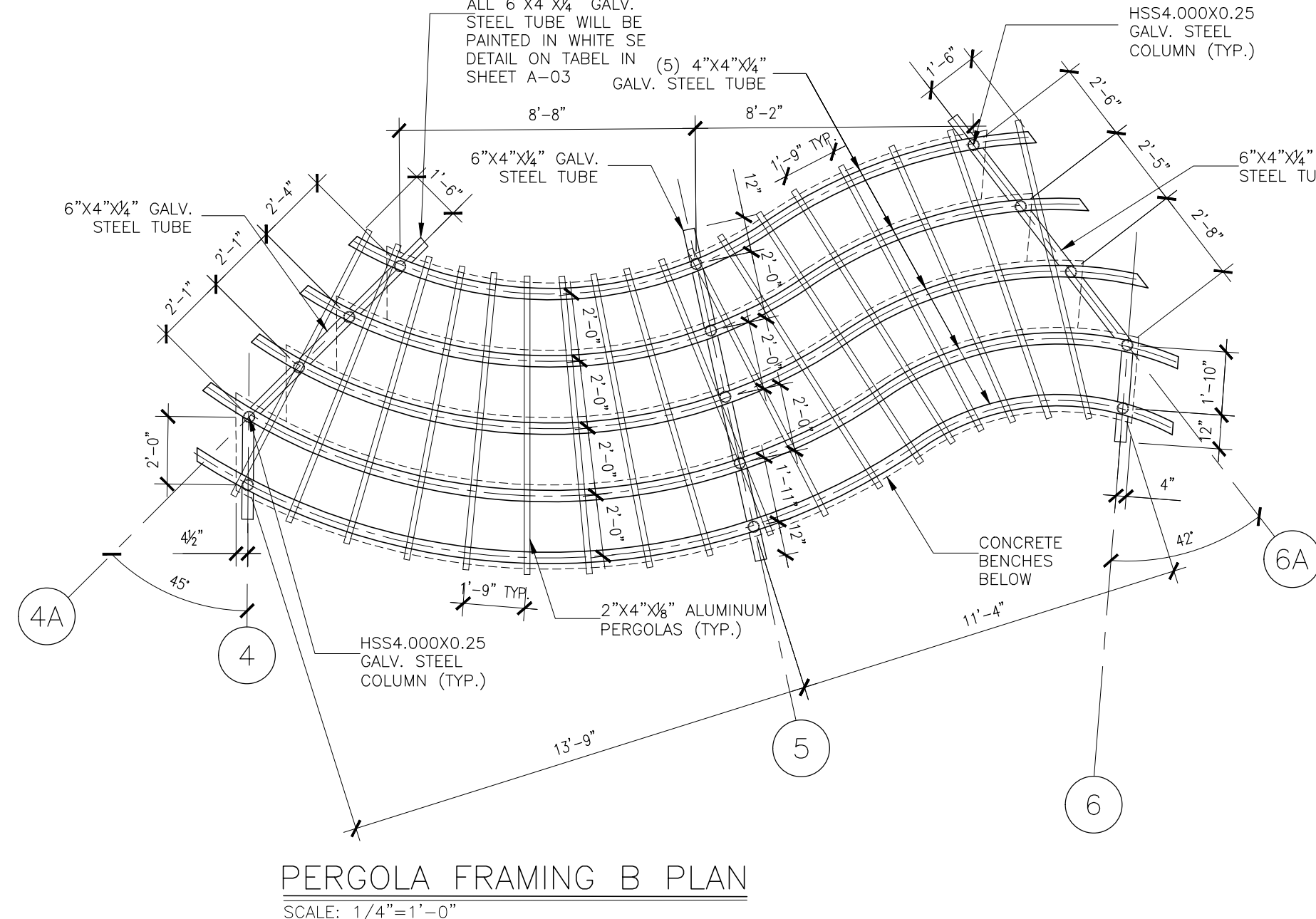


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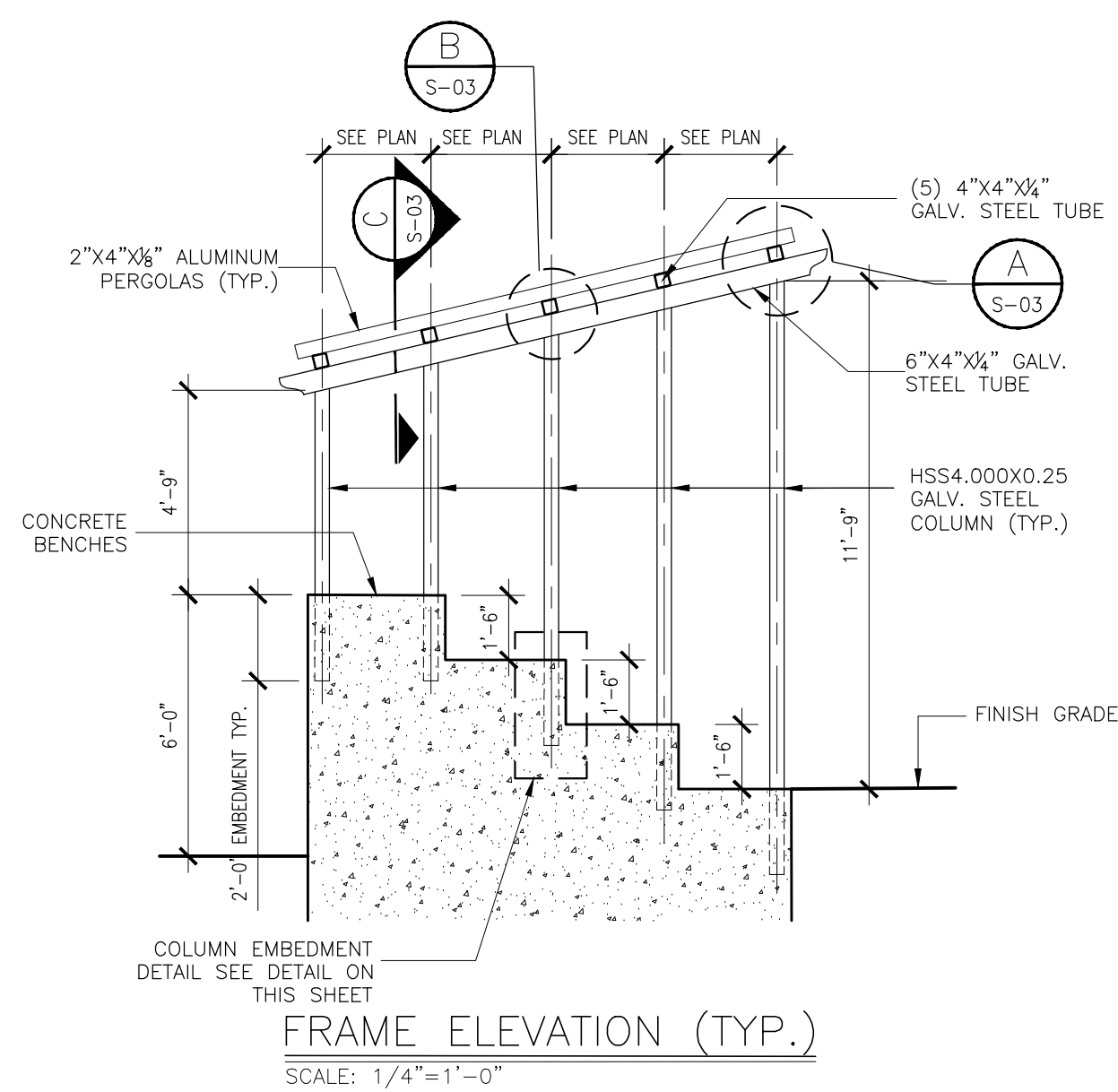




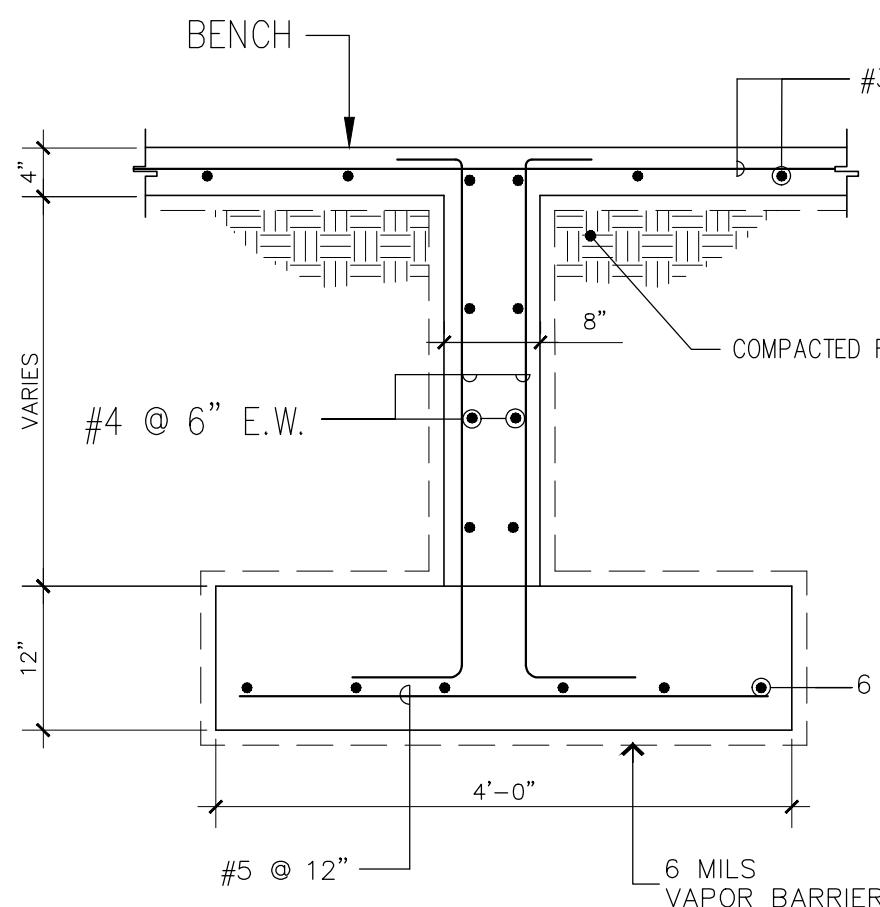
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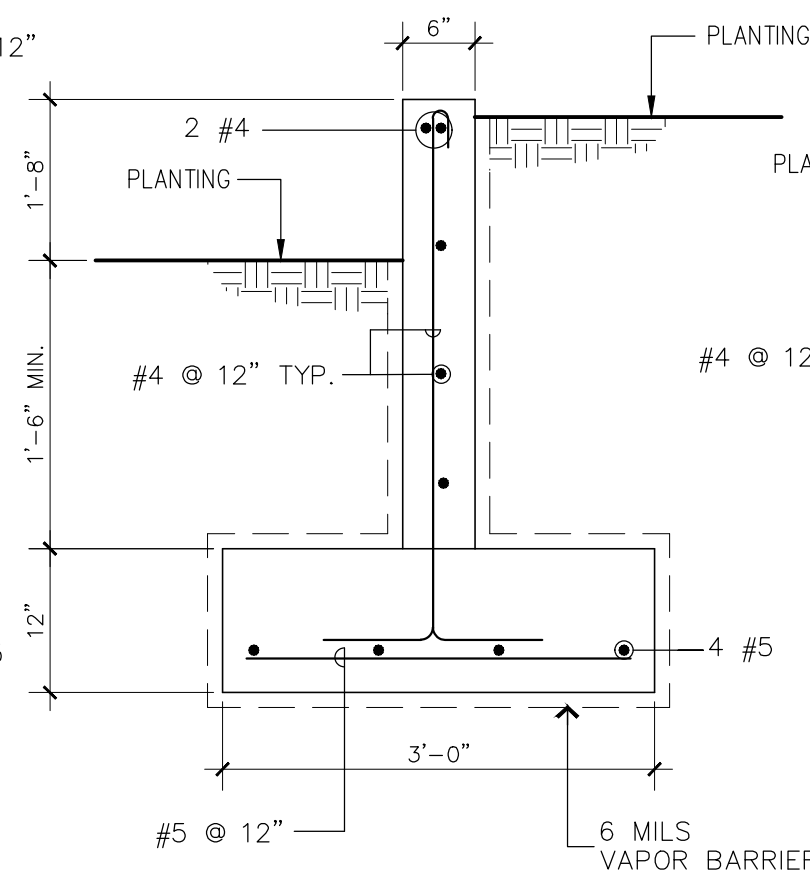
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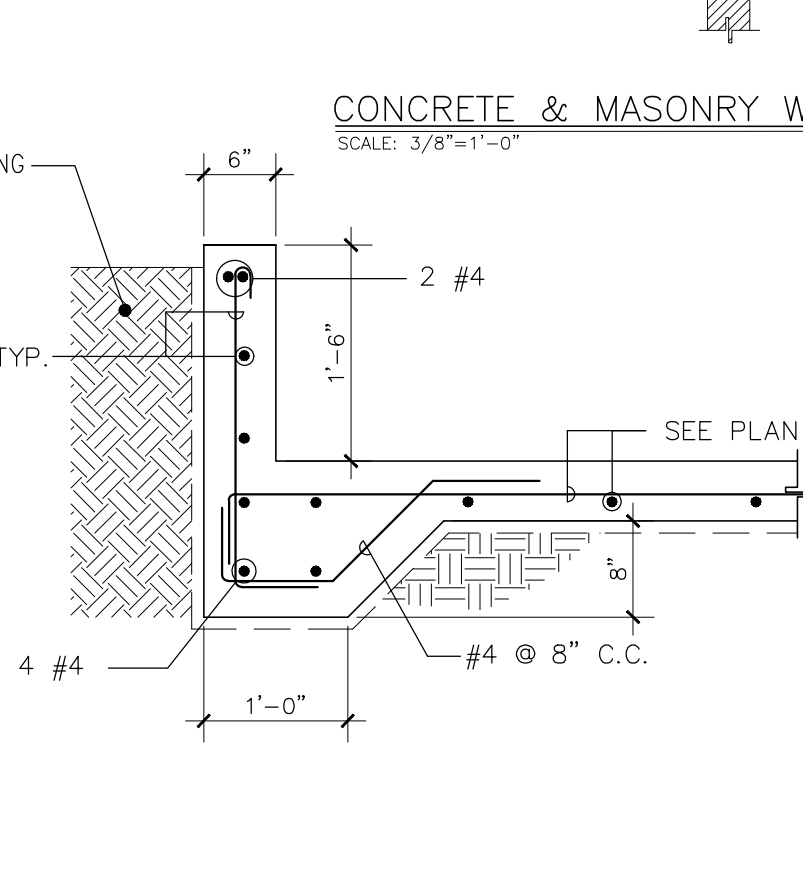
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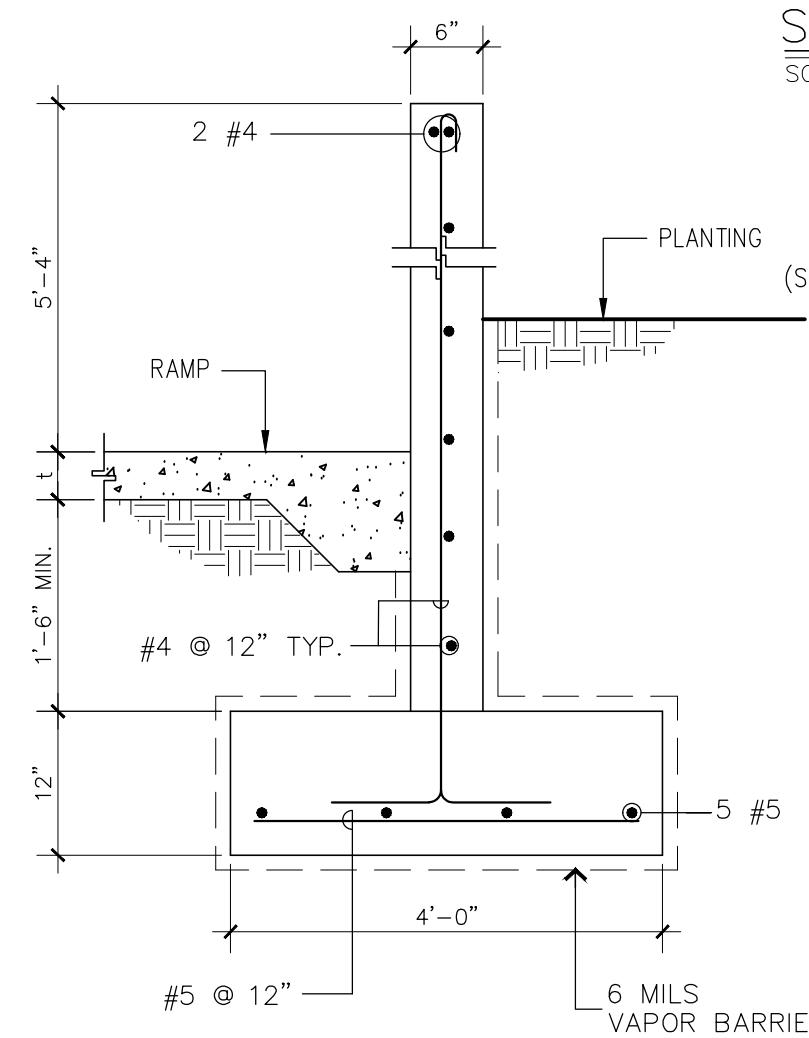
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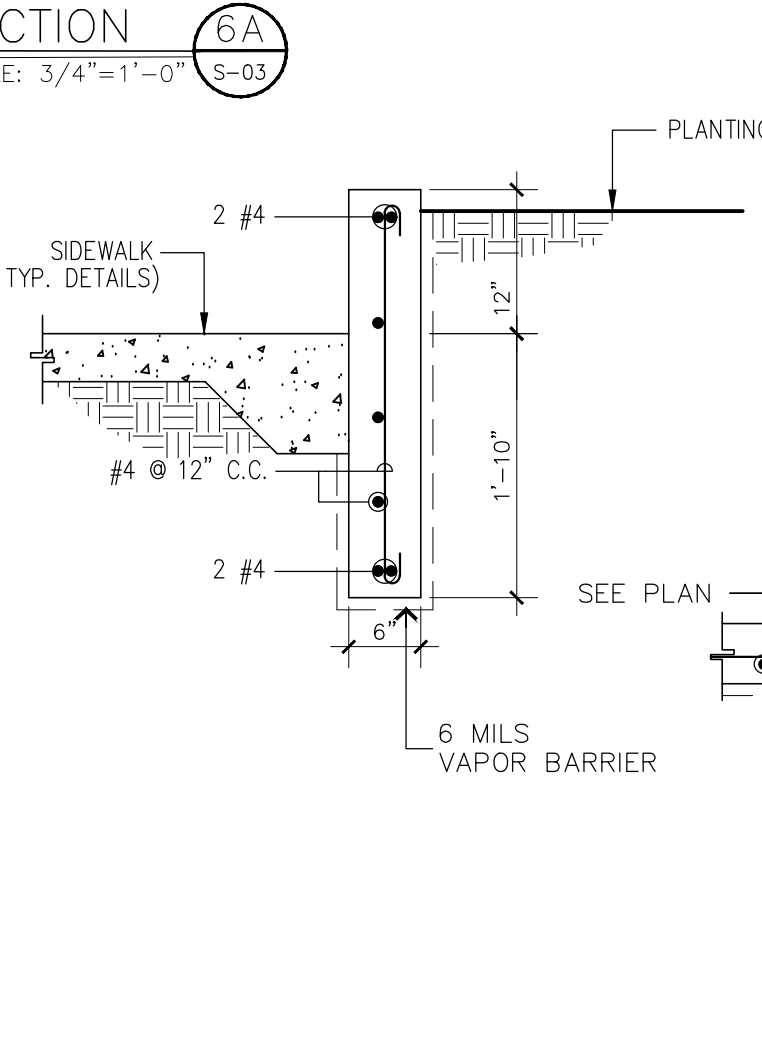
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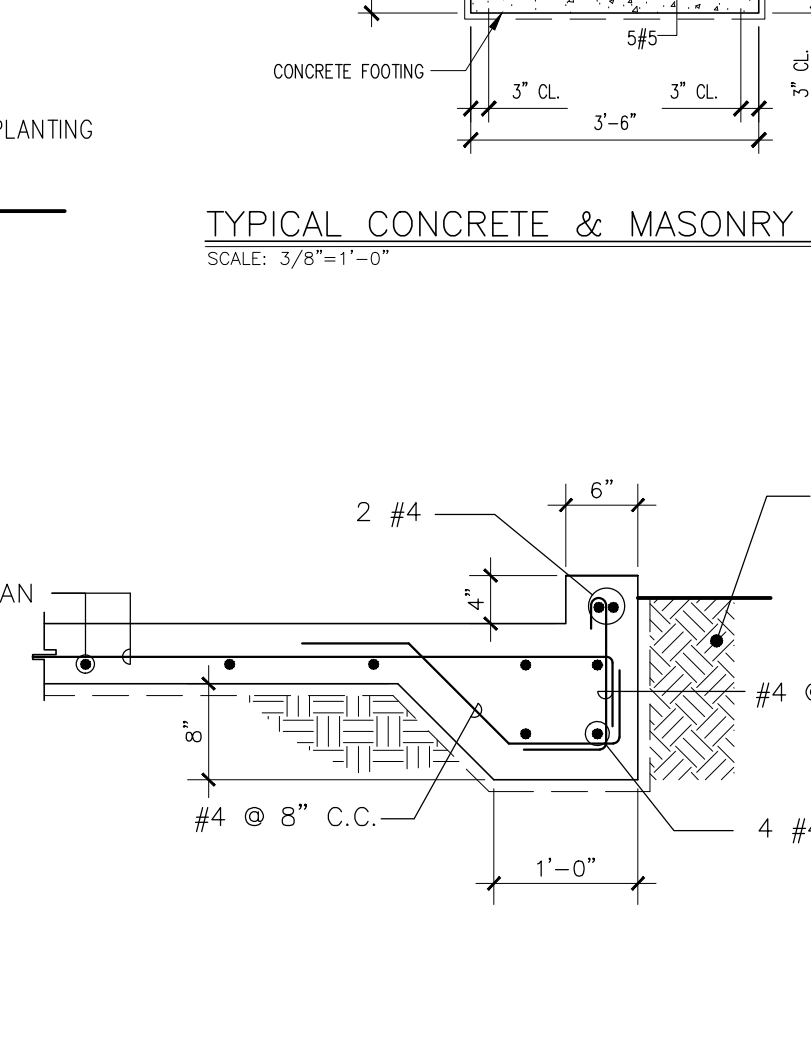
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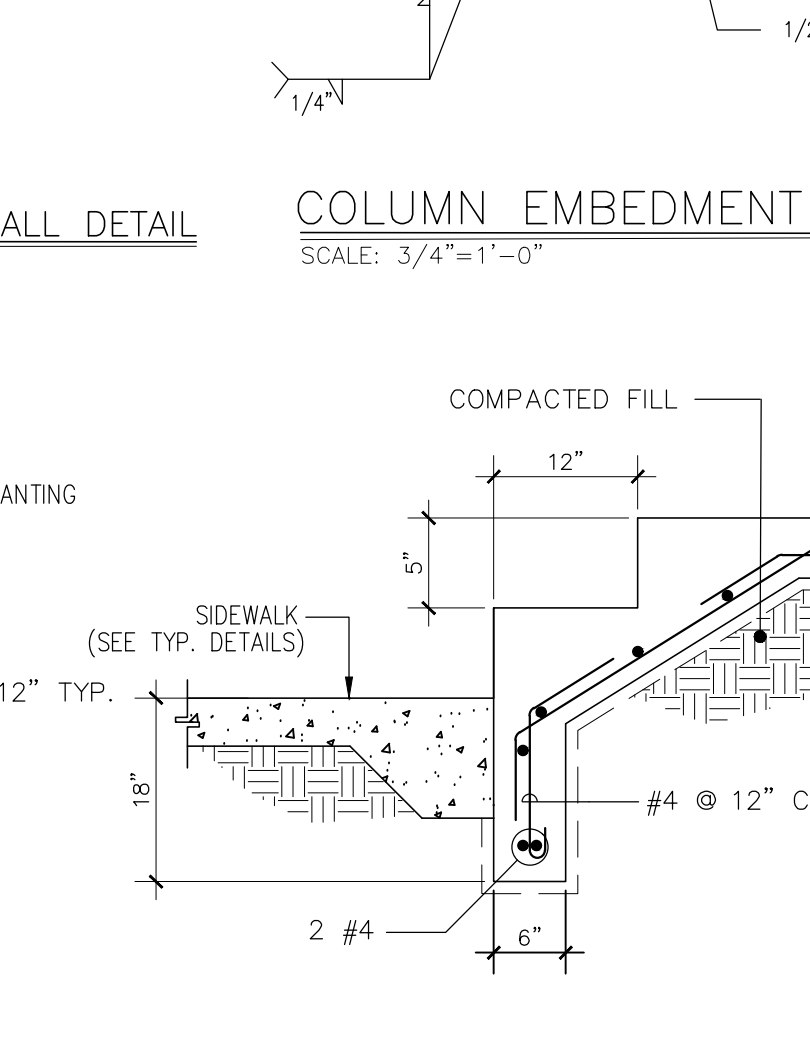
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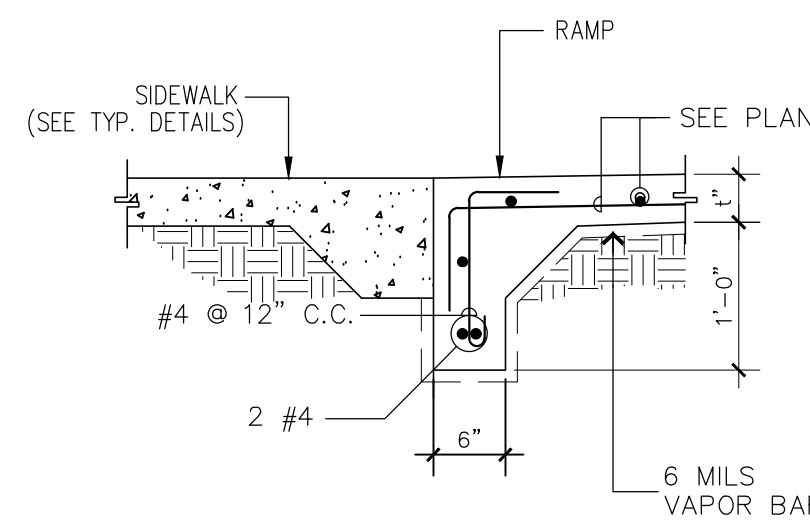
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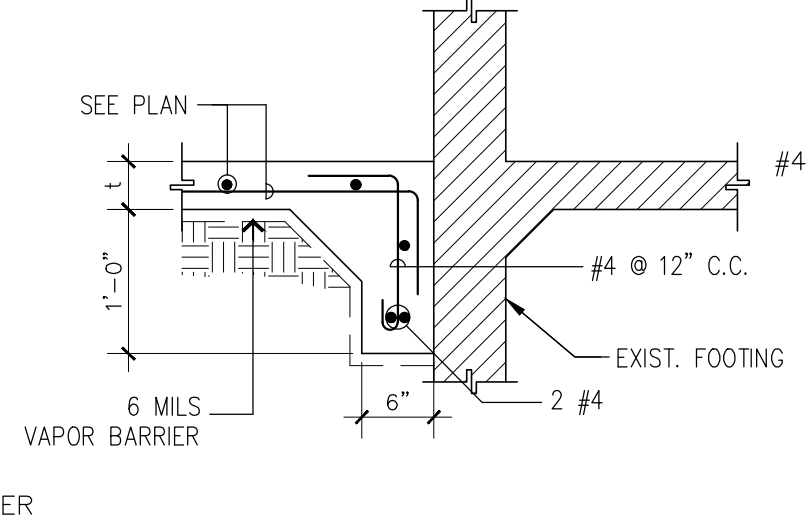
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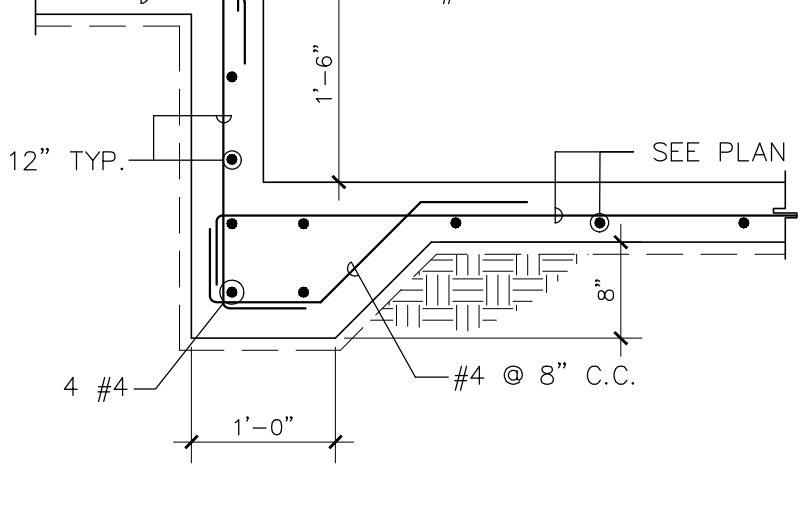
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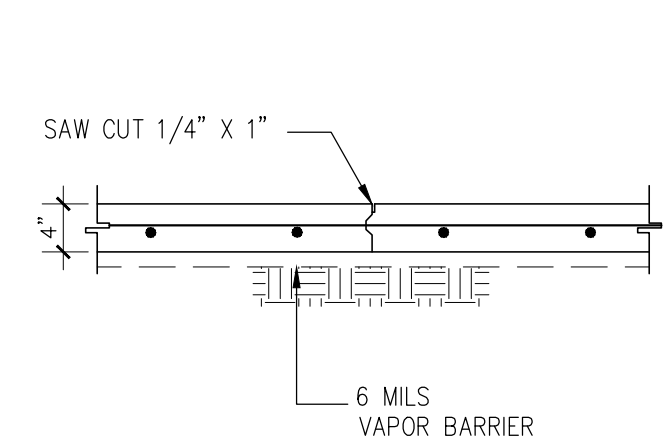
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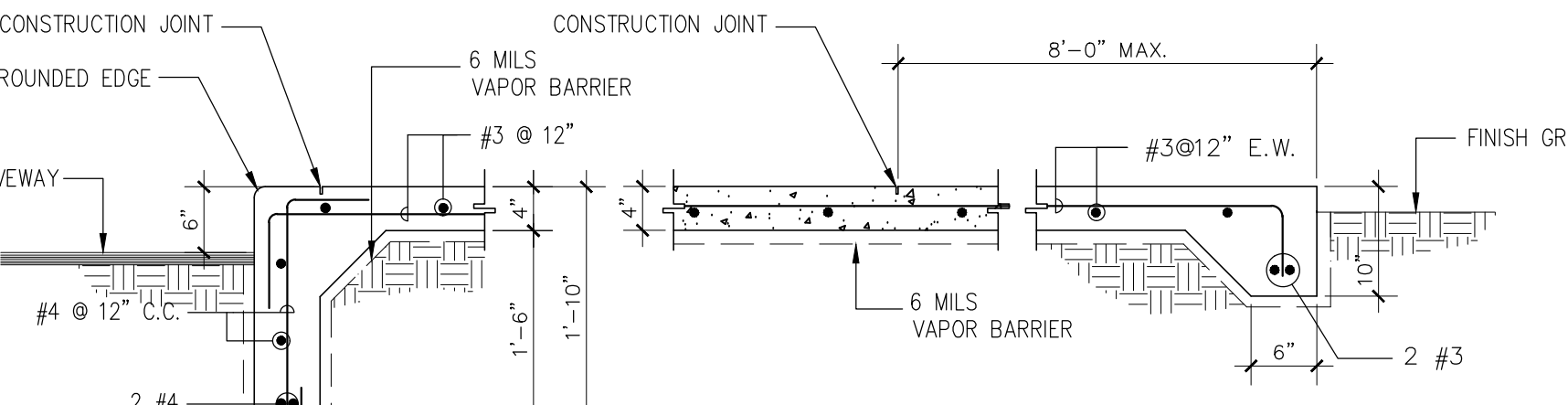
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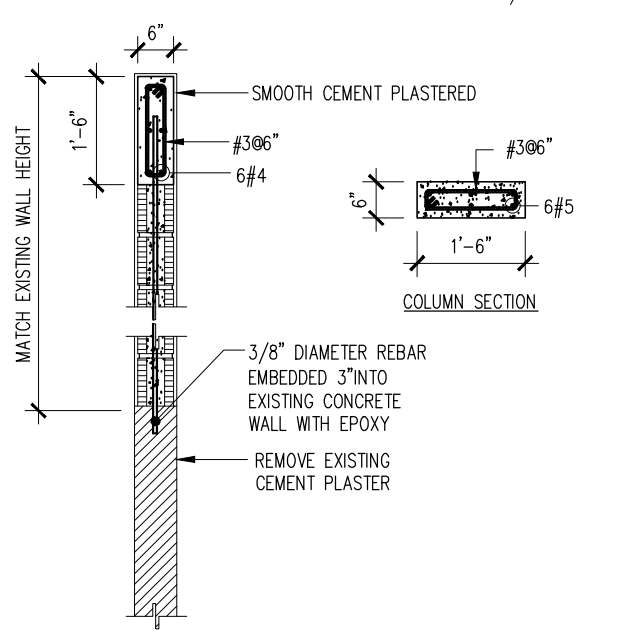
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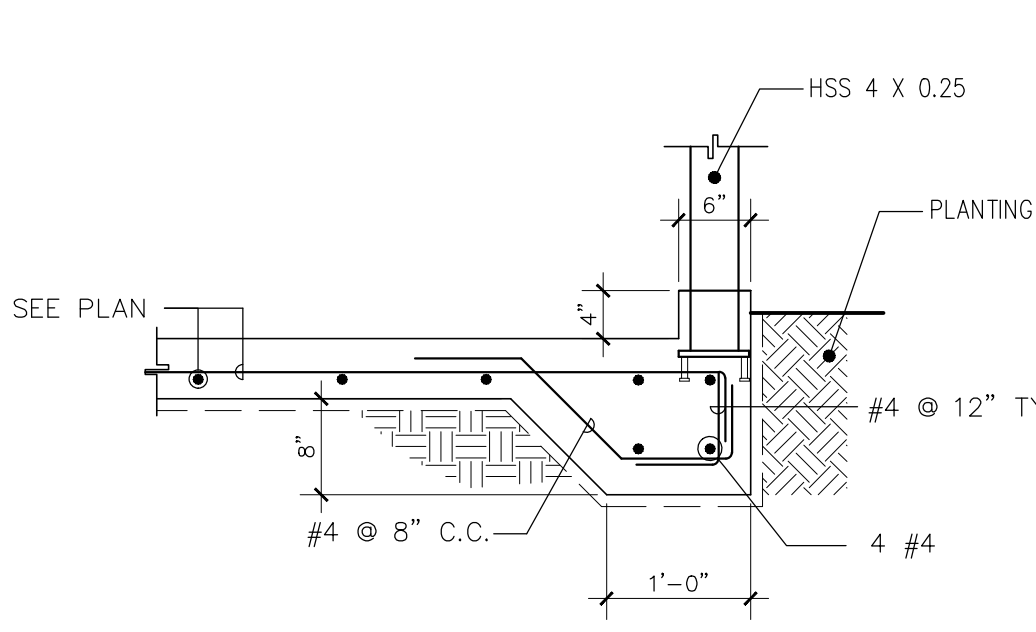
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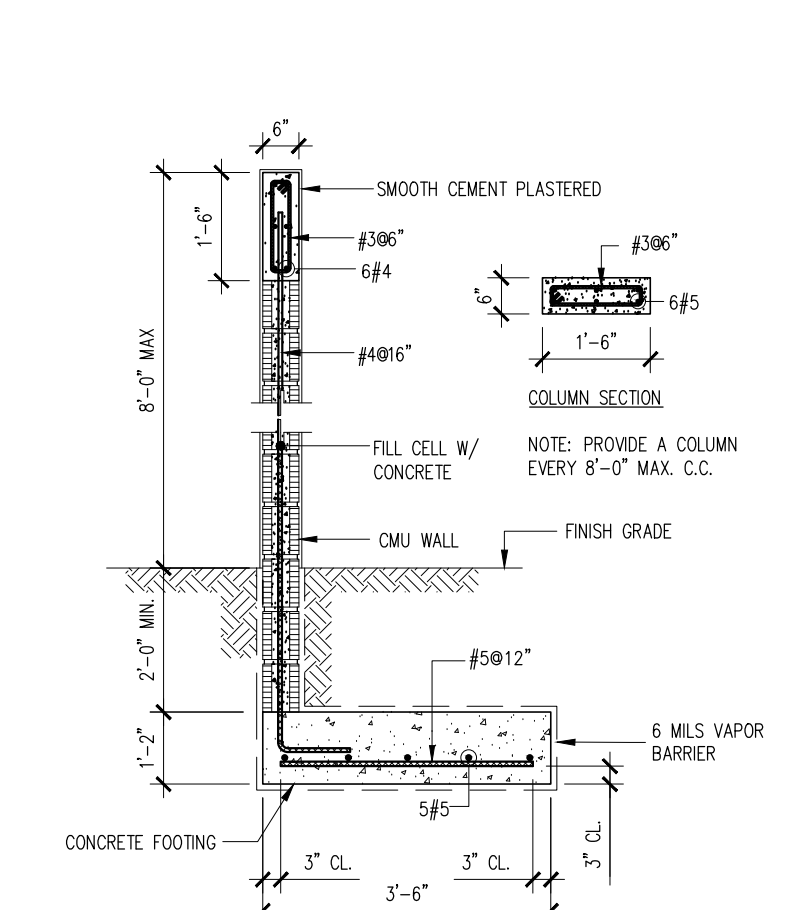
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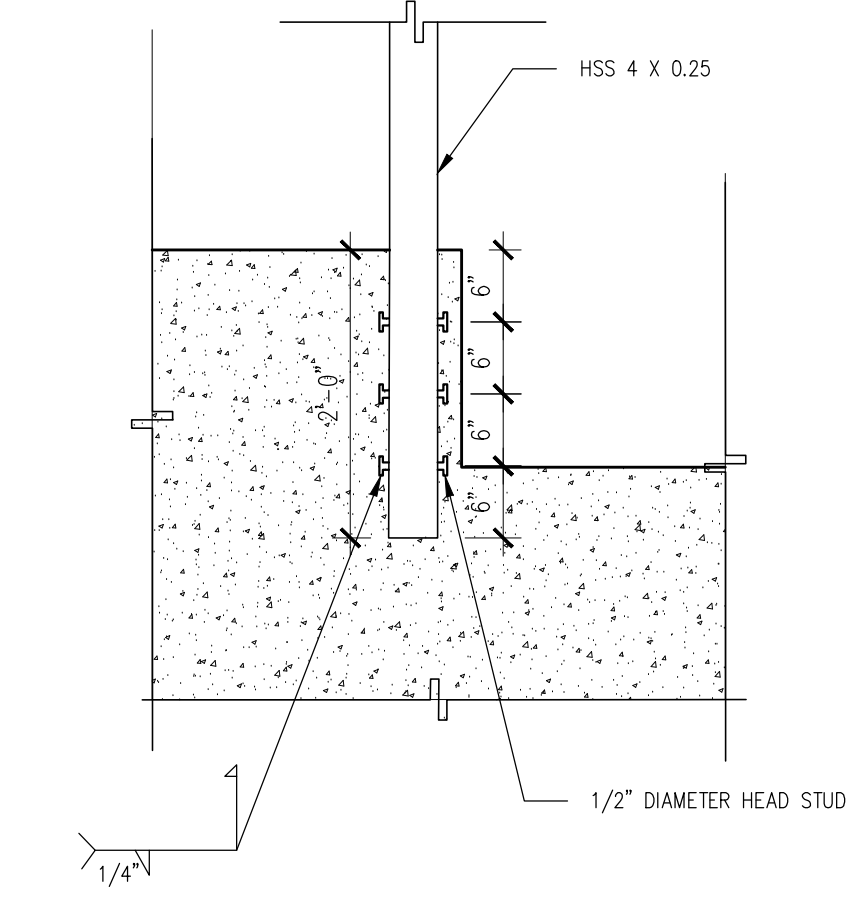
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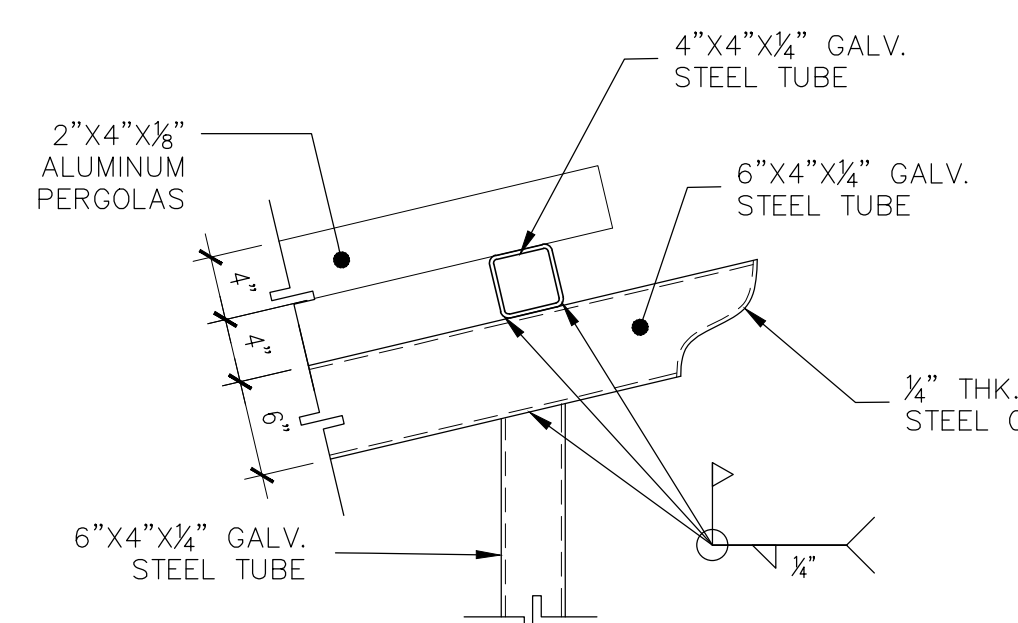
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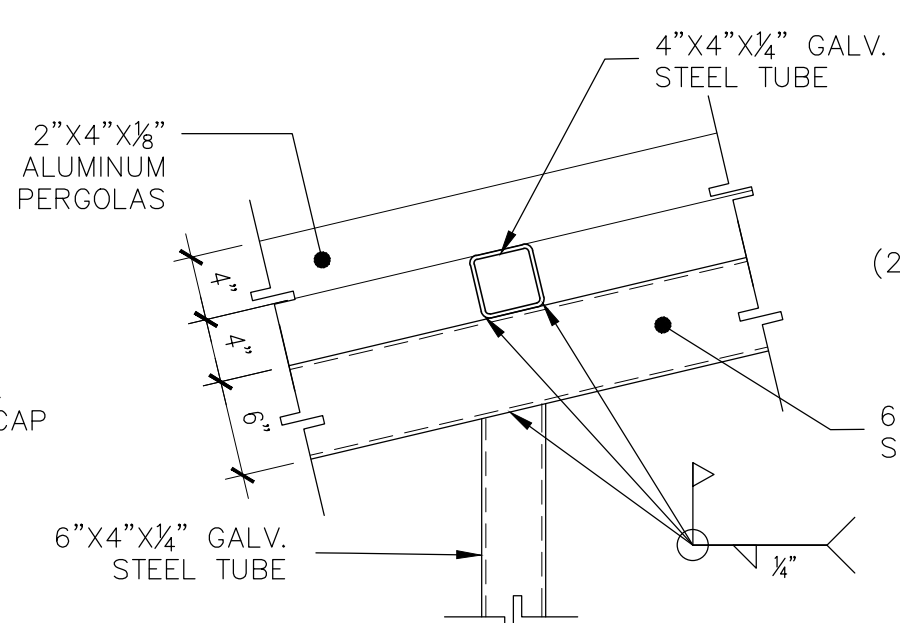
TYPICAL CONCRETE & MASONRY WALL DETAIL  
SCALE: 3/8"=1'-0"



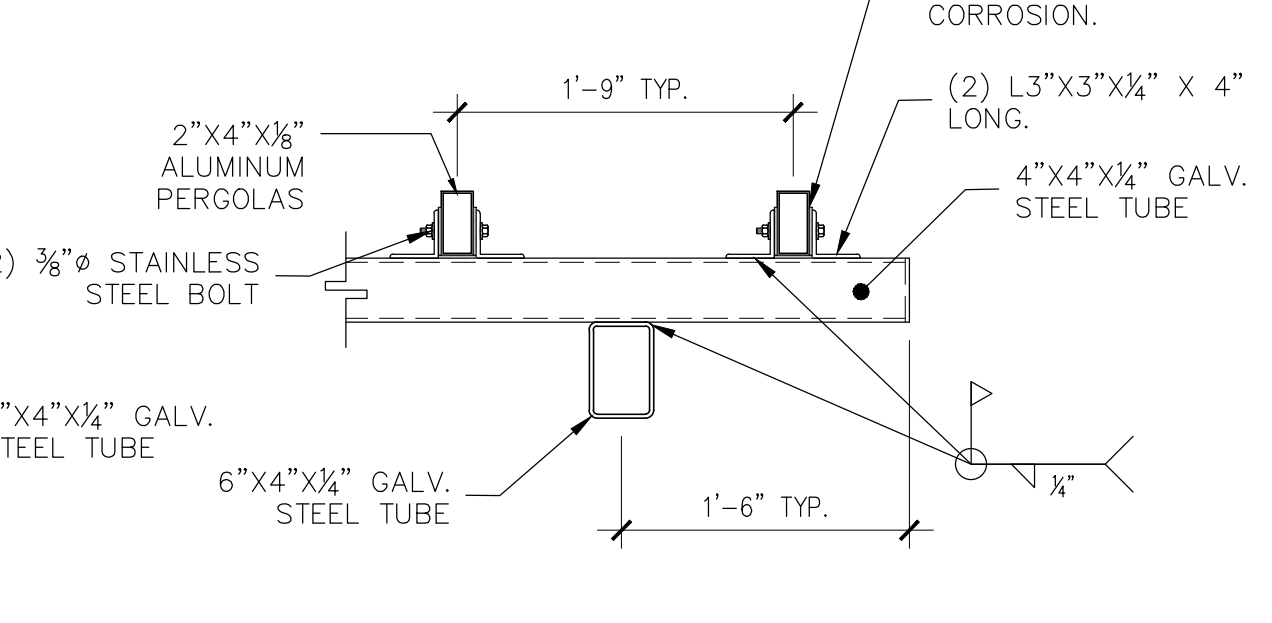
COLUMN EMBEDMENT DETAIL  
SCALE: 3/4"=1'-0"



CONNECTION DETAIL A  
SCALE: 1"=1'-0"



CONNECTION DETAIL B  
SCALE: 1"=1'-0"



CONNECTION DETAIL C  
SCALE: 1"=1'-0"

REVISIONS	DESCRIPTION
DATE	

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GENERAL DETAILS

SCALE: AS SHOWN

DATE: JUNE 2023



DRAWING NO:  
**GD-03**  
SHEET NO:  
**21 OF 21**

## ALUMINUM PAINT DETAIL

SCALE: NOT TO SCALE

# STEEL PAINT DETAIL

SCALE: NOT TO SCALE


5

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# **Exhibit 10:**

## **Sole Source Aquifers**



Plaza de los Trovadores  
PR-CRP-000758  
Municipality of Santa Isabel  
Dr. Velez Street 18-19, Esq. Pedro M. Descartes Street  
17.9645°, -66.4025°

ArcGIS Web AppBuilder



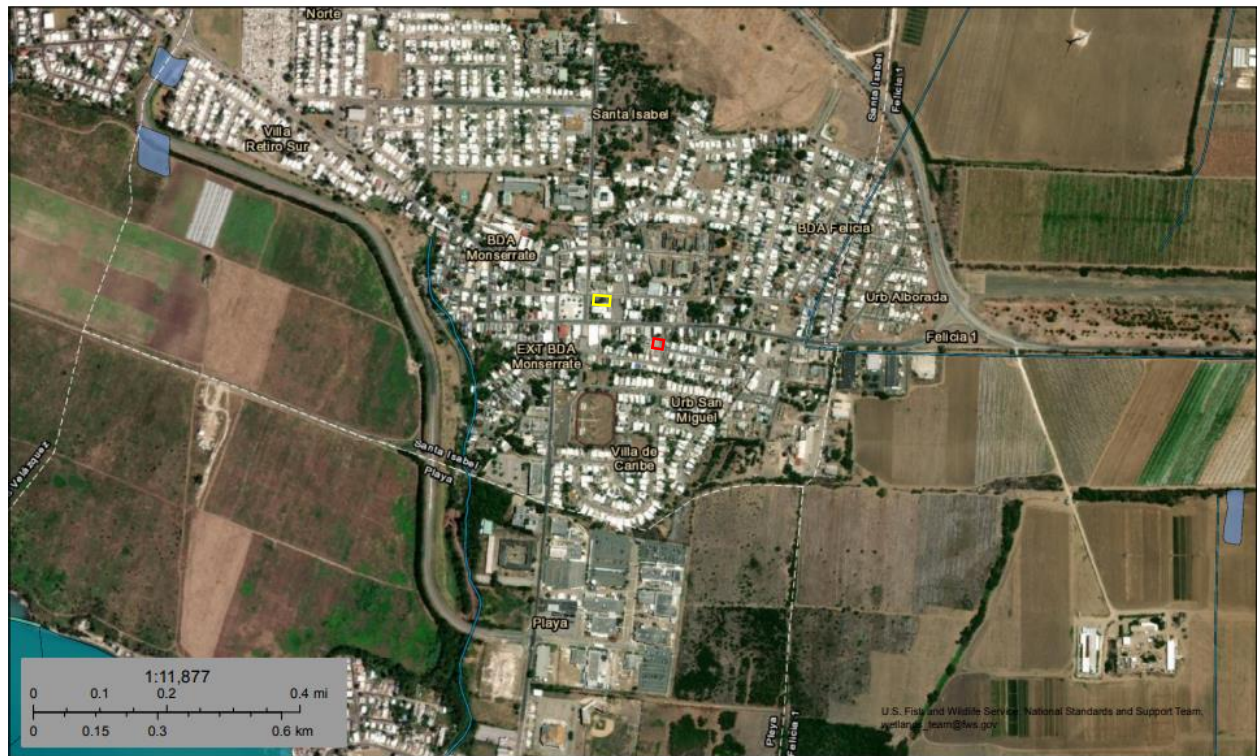
# **Exhibit 11:**

## **Wetlands Protection**

Plaza de los Trovadores  
PR-CRP-000758  
Municipality of Santa Isabel  
Dr. Velez Street 18-19, Esq. Pedro M. Descartes Street  
17.9645°, -66.4025°



## Wetlands



May 3, 2023

### Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

- Site
- Staging Area



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.

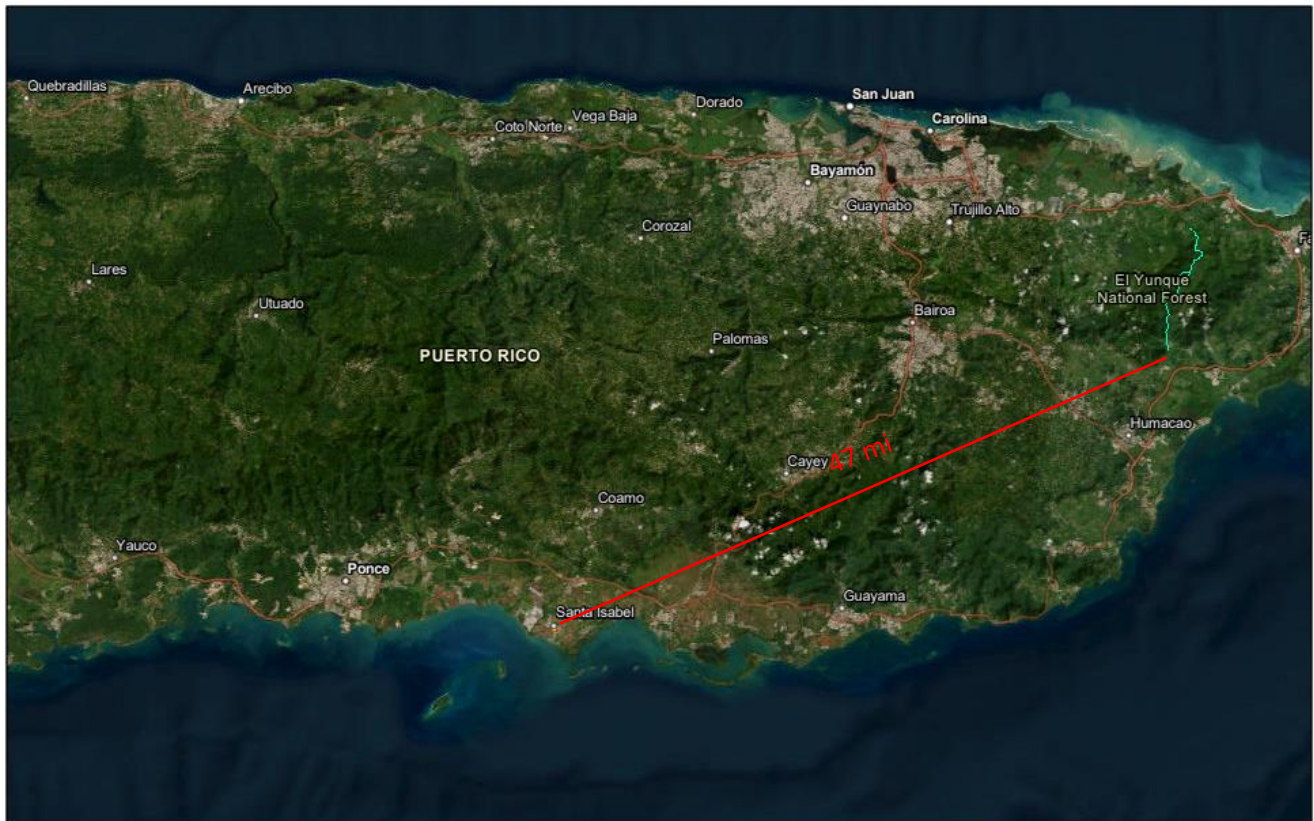
National Wetlands Inventory (NWI)  
This page was produced by the NWI mapper



# **Exhibit 12:**

## **Wild and Scenic Rivers**

Plaza de los Trovadores  
PR-CRP-000758  
Municipality of Santa Isabel  
Dr. Velez Street 18-19, Esq. Pedro M. Descartes Street  
17.9645°, -66.4025°



May 3, 2023

— Staging Area — Plaza de los Trovadores

— Wild and Scenic Rivers

