



U.S. Department of Housing and Urban Development

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Environmental Assessment Determinations and Compliance Findings for HUD-assisted Projects 24 CFR Part 58

Project Information

Project Name: Gallery Plaza (PR-CRP-000981)

Responsible Entity: Puerto Rico Department of Housing

State/Local Identifier: Puerto Rico

Preparer: José D. Centeno Calero, PE - Ingenieros del Oeste CSP

Certifying Officer Name and Title:

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Consultant (if applicable): Ingenieros del Oeste CSP

Direct Comments to: Department of Housing (environmentcdbg@vivienda.pr.gov)

Project Location: PR-472 and Juan González Street, Isabela, Puerto Rico, 00662

Coordinates: 18.500198, -67.025665

Cadastrers: 003-096-053-01-901, 003-096-053-02-901, 003-096-053-03-001, 003-096-053-04-001, and 003-096-053-13-000
Refer to Exhibit 1.

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

The proposed project site is located in the Municipality of Isabela, bordered to the south by Juan González Street and to the northwest by Carr. PR-472. The project aims to transform the existing parking lot into a food truck park that will provide leisure spaces and outdoor activities for the local community. This initiative is designed to benefit the surrounding areas, specifically those along Celso Barbosa Street to the north, Juan González Street to the south, Agustín Ramos Calero Avenue to the east, and PR-742 to the west.

The project includes the following key activities:

1. New Construction: The proposed scope of work includes the following construction additions to the project site:

a. Concrete Floor Slab and Sidewalks: The existing sidewalks along Juan González Street and Carr. PR-472 within the project area vary in width from 1 to 1.5 meters. Currently, there is no vehicular or truck access to the site. To address this, the project involves removing the existing sidewalks and constructing new concrete sidewalks, which will include vehicular and truck entrances. The new sidewalks will be approximately 4 inches thick, with an additional 4-6 inches of excavation required for substrate preparation and formwork. Additionally, the project scope includes a 4-inch-thick concrete floor slab covering the 0.76 acres (3085.64 m²) of the site. This slab will also require excavating an extra 4-6 inches for substrate preparation and formwork.

b. Parking Spaces: The proposed scope of work includes the replacement and addition of parking spaces to the southeast of the project site. Additionally, a new vehicular entrance is planned for the northwest side of the site. Implementing these parking spaces and the entrance will involve ground-disturbing activities, with excavation depths varying and potentially reaching up to 2 feet below ground level.

c. Pergola: The project includes the addition of a pergola located to the west of the proposed site. This pergola will feature a recreational seating area and a planting area. The construction will involve ground-disturbing activities for its foundation, though the depth of these activities is not specified in the provided plans.

d. Kiosk: The project includes the addition of a kiosk located to the north of the proposed site. This kiosk will feature a recreational seating area, a planting area, bathrooms, and a service/kitchen area. The construction of the kiosk will involve ground-disturbing activities for its foundation, though the depth of these activities is not specified in the provided plans.

e. Playground: The proposed scope of work includes the addition of a playground located in the northeast of the project site (see Figure 1). The playground will feature a recreational seating area, a planting area, and various playground amenities. Additionally, the construction of the Playground, as previously mentioned in the section of Concrete Floor Slab and Sidewalk, will require ground-disturbing activities.

2. Installation Activities: The project involves installing benches and seating areas along the north, northeast, and west sides of the site. Additionally, new lighting equipment will be installed in the north, south, west, and central areas. The foundations for the lighting

equipment will require limited excavations up to 3 feet deep and 2 feet in diameter, situated within the newly planted and seating areas. Furthermore, the project scope includes setting up 6 food truck stations facing Juan González Street and Station Avenue in the southwest part of the site. These stations will be equipped with lighting, electrical facilities, and potable water connections.

3. Demolition and Removal Activities: The proposed scope of work includes removing objects such as parking islands, stoppers, and pavement that currently obstruct the site. Additionally, the project involves demolishing concrete islands located in the north, south, and central areas to facilitate the new construction activities. These demolition efforts will involve ground-disturbing activities, with excavation depths potentially reaching up to 3 feet below ground level. In addition, the project proposes the demolition of an existing structure located on the northwest side of the parking area. The expected depth of the ground disturbance resulting from this activity is not specified in the provided plans.

Statement of Purpose and Need for the Proposal [40 CFR 1508.9(b)]:

The proposed project is intended to revitalize and improve downtown Isabela's infrastructure to meet our population's needs, primarily low to- moderate income (LMI). This project will improve the public infrastructure, transforming the existing parking lot into a food truck park that will provide leisure spaces and outdoor activities for the local community. This initiative is designed to benefit the community residents and visitors by providing a safe and enjoyable space for the community. The need for this project arises from the lack of recreational areas in the community. The proposed project will provide a safe and accessible space for the community to engage in outdoor activities, which will promote physical activity and social interaction. The project will also enhance the aesthetic appeal of the area and provide a sense of community pride. The project's development will increase entertainment spaces, improve living conditions and improve the local economy.

Existing Conditions and Trends [24 CFR 58.40(a)]:

The existing condition of the project area is an asphalted parking lot, for community use, with entry on both sides, both north and south. The area does not have sanitary services or rest areas. The site, located within the boundaries of the Traditional Urban Center of Isabela, is surrounded by one- and two-story commercial and residential buildings. The project provides a safe and enjoyable space for the community. The project is in a central and easily accessible area. This space is being created to meet the need for people to have areas to recreate and socialize. If the proposed project will not be implemented, and the site will continue to be used as a parking and not be improved. The Isabela communities would continue to be deprived of a food truck park that will provide leisure spaces and outdoor activities for the local community residents and visitors that meets needs, safety, and accessibility requirements as proposed in this project. Therefore, the no action alternative does not meet the purpose and need of the Project.

Funding Information

Grant Number	HUD Program	Funding Amount
B-17-DM-72-0001	CDBG-DR	\$11,938,162,230
B-18-DP-72-0001		
B-19-DP-78-0002		
B-18-DE-72-0001		

Estimated Total HUD Funded Amount: \$2,249,845.94

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$2,249,845.94

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 or approvals. Clearly note citations, dates/names/titles of contacts, and page references. Attach additional documentation as appropriate.

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 and 58.6		
Airport Hazards 24 CFR Part 51 Subpart D	Yes No ☐ ☒	The project is not within 15,000 feet of a military airport or 2,500 feet of a civilian airport. The closest airport to the site is located in Aguadilla, BQN, approximately 34,550 ft West of the project site. The closest military airfield Luis Muñoz Marin is 354,000 ft to the East. The project is in compliance with Airport Hazards requirements. Refer to Exhibit 2 Airports map.
Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes No ☐ ☒	The proposed project is not located within a designated Coastal Barrier Resources System (CBRS) unit. The nearest CBRS unit is approximately 8,200 feet to the northwest. The project is in compliance with the Coastal Barrier Resources Act. Refer to Exhibit 3 for CBRS Map.
Flood Insurance Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes No ☐ ☒	The project is located in an Area of Minimal Flood Hazard, classified as Zone X Unshaded, per FEMA Flood Insurance Rate Map (FIRM) Number 72000C0045J and 72000C0160H, revised on November 18, 2009. Since the site is outside a FEMA-designated Special Flood

		Hazard Area, flood insurance is not required. The project is in compliance with Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994. See FIRMette in Exhibit 4.
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 & 58.5		
Clean Air Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93	Yes No ☐ ☒	The site is within the Municipio of Isabela, which is in attainment district for all EPA list of NAAQS criteria pollutants for all Puerto Rico Municipalities. The proposed activity will not exceed any of the de minimis or threshold emissions levels of non-attainment and maintenance level pollutants or exceed the screening levels established by the state or air quality management district. The nearest nonattainment municipality, Arecibo, which is in nonattainment for Lead (2008 standard), is about 108,500 feet to the east from the site. Therefore, the project is in compliance with the Clean Air Act requirements. See Exhibit 5 for Air Quality Map and Exhibit 5A for Air Quality /Puerto Rico Nonattainment/Maintenance Status.
Coastal Zone Management Coastal Zone Management Act, sections 307(c) & (d)	Yes No ☐ ☒	The project site is located within the Coastal Zone Land Boundary defined as: a one-kilometer (1-km) strip inland, as well as additional distances necessary to include key coastal natural systems. The Puerto Rico Planning Board, during its meeting on July 24, 2024, issued a General Federal Consistency Certification under resolution JP-2024-004. This certification confirms the project's alignment with the Puerto Rico Coastal Management Program (PRCZMP) for initiatives financed through Federal funds under the CDBG programs. An Application for Certification of Consistency with the Puerto Rico Coastal Management Program was signed by Puerto Rico Department of Housing (PRDOH) on May 14, 2024, and submitted to the Puerto Rico Planning Board. The PRPB emitted a Federal Consistency Certification for the project at reference on November 6, 2024, with the condition that the applicant submits evidence of the requested endorsements within ninety (90) days before the construction phase of the project. On July 18, 2025, PRDOH submitted to the PRPB the evidence of compliance with the PR

		Environmental Policy Law, the endorsement of the State Historic Preservation Office (SHPO) and compliance with the Special Flood Hazard Zone Regulations (Planning Regulation Number 13). On July 22, 2025, the PRPB emitted a letter notifying that the Federal Assistance to finance the project at reference is consistent with PRCZMP. Therefore, the project is in compliance with the Coastal Zone Management Act, sections 307(c) and (d). Refer to Exhibit 6 for Coastal Zone Map and Exhibit 6A for Federal Consistency Certification with the PR Coastal Zone Management Program.
Contamination and Toxic Substances 24 CFR Part 50.3(i) & 58.5(i)(2)	Yes No ☐ ☒	A search of the NEPAAssist database identified regulated sites within a 3,000-foot radius of the project site. As part of the environmental assessment, multiple evaluations were conducted to determine the presence of Recognized Environmental Conditions (RECs), underground storage tanks (USTs), lead-based paint (LBP), and asbestos-containing materials (ACM) within the site. The findings of these evaluations are detailed below. On March 28, 2023, a field reconnaissance took place at the proposed project site by Eng José D Centeno, Ingenieros del Oeste CSP, with the intent of evaluate environmental aspects. No Recognized Environmental Condition (RECs) were identified within the project site. The inspection did not reveal any evidence of contamination related to hazardous substances or petroleum products, such as leaking storage tanks, improperly disposed chemicals, or malfunctioning equipment that could release contaminants into the environment. Based on these findings and the associated reports, no RECs are present that would impact the proposed project. Refer to Exhibit 16. Based on a review of the EPA's ECHO database, several regulated facilities are located around the project site in a 3,000 ft buffer zone. After reviewing the detailed facility reports, none of these facilities pose a contamination hazard to the project for the following reasons: • No Significant Violations: None of the facilities have reported significant violations or enforcement actions within the last three years.

		• No Recent Penalties or Noncompliance: All reviewed facilities show zero quarters in noncompliance during the last three-year monitoring period and no penalties or enforcement fines have been assessed. • No Hazardous Releases Reported: There are no records of hazardous waste discharges, toxic releases, or air/water emissions that could impact the project site. • Upgradient/Distanced Facilities: Based on geospatial review and location data, the facilities are either downgradient or at a safe distance from the project site, minimizing any risk of contaminant migration. • Permit Compliance: Facilities have with no active violations. A review of available records, including EPA-provided mapping data, indicates that no open underground storage tanks (USTs) are present within a 3,000-foot radius of the project site. Based on this information, there are no known USTs that could present a potential environmental concern for the proposed project. Refer to Exhibit 7J for USTs Map. Regarding Radon, HUD issued Notice CPD-23-103 on January 11, 2024, requiring the consideration of radon in the Environmental Review process for all HUD-funded projects. However, the recommended best practices and alternative options for radon testing are deemed infeasible and impracticable for this project. As documented in the Radon Memorandum and agency correspondence, the Puerto Rico Department of Housing (PRDOH) reached out to six (6) local, state, and federal agencies to assess the feasibility of radon testing. Responses were received from the United States Geological Survey, Centers for Disease Control and Prevention, Puerto Rico Department of Health, and the United States Environmental Protection Agency, confirming the lack of scientific data on radon testing for Puerto Rico and the technical challenges associated with complying with HUD's radon testing requirements. Due to these limitations, radon testing is determined to be infeasible and impracticable for this property, and no further consideration of radon is required in this environmental review. Refer to Exhibit 7K.
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		No building or structure on the subject property. Therefore, the project is in compliance with the Contamination and Toxic Substance regulations.
Endangered Species Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402	Yes No ☐ ☒	Per the Official Species List from the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) website, the Puerto Rican Boa can be found but there are no critical habitats at this location. Project will have no potential to affect species or habitats due to the nature of the activities involved in the project and qualifies under blanket clearance letter approved by USFWS on October 2nd, 2024. The nearest critical habitat is about 1,700 ft northeast of the project site. If a Puerto Rican Boa is encountered, work will cease until it moves off the site or, failing that, the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Rangers will be notified for safe capture and relocation of the animal, in accordance with the USFW Puerto Rican Boa Conservation Measures guidelines. The project is in compliance with the Endangered Species Act. Refer to Exhibit 8 Critical Habitat Map and 8A for Endangered Species supporting documents.
Explosive and Flammable Hazards 24 CFR Part 51 Subpart C	Yes No ☐ ☒	The proposed project does not include a hazardous facility that mainly stores, handles, or processes flammable or combustible chemicals such as bulk fuel storage. Planned activities at the project area do not include installation of storage tanks. The project will not introduce new residents, employees or clients who could be exposed to any explosive or flammable hazards. Examination of the aerial views and street views shows no above ground storage tanks within the acceptable separation distance. Refer to Exhibit 9 for Explosive and Flammable Hazards Map. The project is compliance with the Explosive and Flammable Hazards regulations, 24 CFR Part 51 Subpart C.
Farmlands Protection Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658	Yes No ☐ ☒	The project does not include any activities that could convert agricultural land to nonagricultural use. The proposed project is located in an already developed urban land. According to the U.S. Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey, the project site is not situated on farmland soils and is

		not protected under the Farmland Protection Policy Act. Therefore, this topic complies with the regulation. Refer to Exhibit 10 for Farmland Protection Map.
Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55	Yes No ☐ ☒	The Project site is not in the floodplain, as indicated on the Advisory Base Flood Elevation map. The project site is within the Zone X Unshaded area of minimal flood hazard. The Project is in compliance with Executive Order 11988, particularly section 2(a); 24 CFR Part 55. No formal compliance steps or mitigation are required. See Base Flood Elevations (ABFE) map included in Exhibit 11.
Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	Yes No ☒ ☐	Consultation with the Puerto Rico State Historic Preservation Office (PRSHPO) regarding the Department of Housing of Puerto Rico (PRDOH) Program was initiated on November 18, 2024, with a letter indicating that PRDOH contracted Horne Federal LLC to provide environmental registry review services, among others, that will support the objectives of the agenda for both CDBG-DR and CDBG -MIT Programs. On December 7, 2024, the PRSHPO concurred with a finding of No Adverse Effect conditioned to archaeological monitoring during all ground disturbing activities for the project, and the submission of a work plan for review and concurrence by PRSHPO before any works initiates. An archaeological monitoring work plan was submitted to the PRSHPO on May 13, 2025. The PRSHPO concurred with the work plan on June 3, 2025, provided notification to the PRSHPO before 48 hours prior the initiation of the ground disturbing activities. This project is in compliance with Historic Preservation requirements. Refer to Exhibit 12 for Historic Preservation documents.
Noise Abatement and Control Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B	Yes No ☐ ☒	The proposed project does not involve establishment of new residences, an increase in residents, or introduction of other noise sensitive uses. The project does not require further evaluation under HUD's noise regulation. The noise that will be produced during construction is generated by the operation of construction equipment. All equipment and machinery will have noise dampers maintained in accordance with manufacturer's recommendations to control noise generation. Construction activities will be

		conducted during the day and have minimal impacts on the neighboring community. The noise levels attributable to construction activities will be temporary in nature and is not expected to exceed 65 dBA. Therefore, the project complies with Noise Abatement and Control requirements.
Sole Source Aquifers Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149	Yes No ☐ ☒	There are no EPA sole source aquifers in Puerto Rico. The nearest sole source aquifer to the project site is approximately 966 miles (5,138,000 ft) to the northwest in Florida, USA. Furthermore, the project consists of activities that are unlikely to have an adverse impact on groundwater resources. The project is in compliance with Sole Source Aquifer requirements. See Exhibit 13 for Sole Source Aquifers Map.
Wetlands Protection Executive Order 11990, particularly sections 2 and 5	Yes No ☐ ☒	According to the National Wetlands Inventory (NWI) database, the nearest wetlands is located about 3,200 ft northwest to the project area. Therefore, the project is in compliance with Wetlands Protection requirements. See Wetlands Map in Exhibit 14.
Wild and Scenic Rivers Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	Yes No ☐ ☒	Puerto Rico has three Wild and Scenic Rivers, named La Mina, Icacos, and Mameyes, which are located in the east side of Puerto Rico. The proposed project locates approximately 435,400 ft southwest of the scenic rivers. There would be no impact to Wild and Scenic Rivers. This project is in compliance with the Wild and Scenic Rivers Act. See Wild and Scenic Rivers Map in Exhibit 15.

Environmental Assessment Factors [24 CFR 58.40; Ref. 40 CFR 1508.8 & 1508.27] Recorded below is the qualitative and quantitative significance of the effects of the proposal on the character, features and resources of the project area. Each factor has been evaluated and documented, as appropriate and in proportion to its relevance to the proposed action. Verifiable source documentation has been provided and described in support of each determination, as appropriate. Credible, traceable and supportive source documentation for each authority has been provided. Where applicable, the necessary reviews or consultations have been completed and applicable permits of approvals have been obtained or noted. Citations, dates/names/titles of contacts, and page references are clear. Additional documentation is attached, as appropriate. **All conditions, attenuation or mitigation measures have been clearly identified.**

Impact Codes: Use an impact code from the following list to make the determination of impact for each factor.

- (1) Minor beneficial impact
- (2) No impact anticipated
- (3) Minor Adverse Impact - May require mitigation

- (4) Significant or potentially significant impact requiring avoidance or modification which may require an Environmental Impact Statement

Environmental Assessment Factor	Impact Code	Impact Evaluation
LAND DEVELOPMENT		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	2	The Project area is designated as UI “Urban Land.” The Project would improve an existing public use area. The Project-related activities would occur within existing developed area and consist of repairs and enhancements of existing uses. The property is used as a parking lot by residents, government employees, visitors, and employees of surrounding businesses. This land has road access, water supply, electricity supply, and other necessary infrastructure for the development of activities to be carried out in the area. All project aesthetics will conform to the surrounding area.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	The proposed project includes excavations. There would be no permanent changes to the site that would affect slope, drainage, or stormwater runoff. There are no indications of ground subsidence, major seismic activity, erosion, or any other unusual conditions at the site that would dictate that there could be soil problems, foundation cracking, or settling. The project design will comply with current codes related to erosion control and stormwater runoff. During construction activities, and in compliance with the USEPA NPDES Construction General Permit and the local stormwater runoff control regulations, the applicant will implement a Stormwater Pollution Prevention Plan that will include structural and non-structural BMPs to keep sediment in place (erosion control) and to capture any sediment that is moved by stormwater before it leaves the site (sediment control).
Hazards and Nuisances including Site Safety and Noise	2	The project located in an urbanized area would involve demolition, and construction that will be addressed in accordance with regulations and standard BMPs. Once constructed, would not create additional hazards or nuisances, or safety or noise issues. During construction, communication with the community is recommended, and neighboring residents will be provided with advance notice of the construction period to facilitate awareness and minimize potential disruptions. Noise impacts would be addressed by conducting demolition and construction activities in accordance with local noise regulations and proper construction equipment maintenance. Standard BMPs, such as construction fencing, would be applied to protect the public from typical construction hazards. BMPs and signage would warn and protect the public during construction activities.

SOCIOECONOMIC		
Employment and Income Patterns	1	It is expected that the impacts of the proposed action on regional employment would be positive. The investment for project construction of a new facility would induce direct and indirect jobs because of the proposed project. Local small businesses would benefit as part of this investment, which combined with other related factors, would promote an employment and income increase and consequently are expected to create positive economic growth. This is of particular importance considering the high unemployment rate of many of the municipalities of the region.
Demographic Character Changes, Displacement	2	The proposed project would not result in demographic character changes or displacement. Due to the nature of the project area, no relocations or demolition of residential structures or businesses would occur as part of this project.
COMMUNITY FACILITIES AND SERVICES		
Educational and Cultural Facilities	2	The project would not result in any change to regional or local area educational and cultural facilities or increase demand for them.
Commercial Facilities	1	The project will benefit the community by offering commercial facilities spaces for food trucks.
Health Care and Social Services	2	The project would not increase demand for health care and social services facilities within the community.
Solid Waste Disposal / Recycling	2	The activities would generate solid waste (i.e., construction debris). Project-wide salvaging/recycling of materials would occur as determined feasible with other program requirements. All other materials would be taken to the appropriate landfills. A solid waste management plan would be developed and implemented to ensure that all potentially hazardous solid waste is handled properly, and that daily capacities of landfills and other solid waste facilities are not exceeded. During the operation of the proposed activity will have available trash bins and recycling bins at different locations that will be collected by the municipality service.
Waste Water / Sanitary Sewers	2	Wastewater management will be provided by the PR Aqueduct and Sewer Authority, a public utility. Significant impacts are not expected. Incremental wastewater generation patterns will not significantly exceed those currently observed at the community. The proposed project would not affect wastewater infrastructure and would not increase demand for service
Water Supply	2	Water supply infrastructure for this facility will be connected to the PR Aqueduct and Sewer Authority (PRASA). Incremental

		potable water demand patterns will not significantly increase those currently observed relative to the current demand for these services in the area. Temporary demand for water for construction and dust suppression will be attended by temporary construction connection to PRASA or water-tank trucks.
Public Safety - Police, Fire and Emergency Medical	2	The proposed project would not increase the area population and so demand for police, fire, and emergency medical services in the community would not increase. Services at the project site would be provided by the existing community police, fire, and emergency medical services.
Parks, Open Space and Recreation	1	The proposed project would add a new recreational space for residents and visitors of the community.
Transportation and Accessibility	1	Construction of the proposed project may result in minor temporary traffic increases and access issues during construction due to material deliveries or use of equipment. Emergency services would be notified of traffic control changes ahead of time, and access by emergency vehicles always would be allowed within the work zone. There would be no long-term impacts. Long-term access to the project would remain the same.
NATURAL FEATURES		
Unique Natural Features, Water Resources	2	No unique natural features or groundwater resources are present in the project area or would be affected by the proposed project. Temporary impacts would be mitigated by erosion and sedimentation control BMPs implemented during construction.
Vegetation, Wildlife	2	The proposed project activities would be within an existing urban public use/recreation area. The project would not impact native vegetation. Additionally, the proposed project would not impact wildlife or wildlife habitat.
Other Factors	2	No other factors were identified that would be affected by the proposed project.
ENERGY		
Energy Efficiency	2	The project would not result in major change in the area's energy demand. Regional energy use would not significantly change.

Field Inspection (Date and completed by):

- On March 28, 2023, a field reconnaissance took place at the proposed project site by Eng José D Centeno, Ingenieros del Oeste CSP, with the intent of evaluate environmental aspects. It was confirmed the absence of structural components at the site that would warrant an Asbestos-Containing Materials or Lead-Based Paint survey nor identified relevant regulatory environmental risks. All other environmental aspects related to the

proposed action have been summarized in the Environmental Assessment statutory form. Refer to Exhibit 16.

List of Sources, Agencies and Persons Consulted [40 CFR 1508.9(b)]:

- Puerto Rico State Historic Preservation Office
- FAA, National Plan for Integrated Airport Systems:
[www.faa.gov/airports/planning_capacity/npias/reports/NPIAS-Report-2017-2021-Appendix- B-Part6.pdf](http://www.faa.gov/airports/planning_capacity/npias/reports/NPIAS-Report-2017-2021-Appendix-B-Part6.pdf)
- John H. Chafee Coastal Barrier Resources System, Puerto Rico map.
www.fws.gov/CBRA/Maps/Locator/PR.pdf
- National Wild and Scenic Rivers System: www.rivers.gov/puerto-rico.php
- Puerto Rico Community Development Block Grant Disaster Recovery Action Plan, July 2018. www.cdbg-dr.pr.gov/en/action-plan/
- Programmatic Agreement among the Federal Emergency Management Agency, the Puerto Rico State Historic Preservation Office and the Central Office for Recovery, Reconstruction and Resilience – amended to include the Puerto Rico Department of Housing.
- US Environmental Protection Agency, National Ambient Air Quality Standards, Nonattainment Areas for Criteria Pollutants (Green Book):
www3.epa.gov/airquality/greenbook/anayo_pr.html
- US EPA, Environmental Topics, Air Topics: www.epa.gov/environmental-topics/air-topics
- US Fish and Wildlife Service, Environmental Conservation Online System:
<https://ecos.fws.gov/ecp/report/species-listings-bystate?stateAbbrev=PR&stateName=Puerto%20Rico&statusCategory=Listed>
- Federal Emergency Management Agency, Flood Mapping Service:
<https://msc.fema.gov/portal/home> (compilation of numerous maps)
- US Fish and Wildlife Service, National Wetlands Inventory:
www.fws.gov/wetlands/data/mapper.html (compilation of numerous maps)
- Puerto Rico Coastal Zone Management Program Plan, September 2009.
- US EPA, Sole Source Aquifers. Esri HERE, Garmin, NOAA, USGS, EPA.
- US Geological Survey, Data Release of May Showing Concentration of Landslides Caused by Hurricane Maria,
www.sciencebase.gov/catalog/item/59de6459e4b05fe04ccd39d8

List of Permits Obtained:

- None

Public Outreach [24 CFR 50.23 & 58.43]:

- The local community has been very proactive in the recovery process. A Notice of Finding of No Significant Impact and Notice of Intent to Request Release of Funds (FONSI-NOI-RROF) will be published in a local newspaper. Copies of that public notice also will be sent to all known interested parties.

Cumulative Impact Analysis [24 CFR 58.32]:

- In accordance with 24 CFR 58.32 (Aggregation), there are no cumulative impacts associated with the proposed project. The repair and improvements to the existing public spaces/recreation area would not change the land use of the spaces or the adjoining parcels. A slight increase in use of the spaces would result from their restoration and improvement.

Alternatives [24 CFR 58.40(e); 40 CFR 1508.9]

- Location and alternate reconstruction designs were considered as alternatives to the current action alternative. The location of this activity to an alternate location would not provide the central location desired as a gathering facility for the residents of the community. Alternatives to the design were evaluated. The design chosen will meet the needs of the residents and visitors of the municipality considering best engineering and economic practices.

No Action Alternative [24 CFR 58.40(e)]:

- Under the No Action Alternative, the applicant would not receive federal funding for the project, the proposed project will not be implemented, and the site will continue to be used as a parking and not be improved. The Isabela communities would continue to be deprived of a food truck park that will provide leisure spaces and outdoor activities for the local community residents and visitors that meets needs, safety, and accessibility requirements as proposed in this project. Therefore, the no action alternative does not meet the purpose and need of the Project.

Summary of Findings and Conclusions:

The proposed activity has been found to not have any adverse effects on the environment nor is there the requirement for further consultation with federal agencies associated with the topics evaluated above. There is no environmental review topics addressed above that result in the need for additional formal compliance steps with federal agencies or the requirement for mitigations other than those listed below. There may be additional approvals or permits from local agencies. For example, the Office of Permit Management (OGPe) is responsible for granting permits, licenses, certifications, consultations, construction, and any other procedure necessary for business development and land use in Puerto Rico. In addition, the Project is anticipated to provide overall beneficial effect to the Municipality of Isabela by addressing the recreational needs of the community residents and visitors.

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.

Law, Authority, or Factor	Mitigation Measure
Endangered Species	Conservation measures for the Puerto Rican Boa need to be implemented if the Boa is encountered during construction.
Solid Waste Disposal / Recycling	Salvaging/recycling of materials should be as determined feasible with other program requirements. A solid waste management plan should be developed and implemented.
Ground disturbance / Soil Suitability / Slope/ Erosion / Drainage / Storm Water Runoff	The project design will comply with current federal and state codes related to ground disturbance, erosion control and stormwater runoff. During construction activities, and in compliance with the USEPA NPDES Construction General Permit and the local stormwater runoff control regulations, the applicant will implement a Stormwater Pollution Prevention Plan that will include structural and non-structural BMPs to keep sediment in place (erosion control) and to capture any sediment that is moved by stormwater before it leaves the site (sediment control). There would be no significant permanent changes to the site that would affect drainage, or stormwater runoff.
Historic Preservation	An Archaeological Monitoring Plan prepared and concurred by PRSHPO. The project would include archaeological monitoring of any ground disturbing activities and excavations, following the direction of the PRSHPO-approved monitoring plan. PRSHPO would be notified of the archaeological monitoring start date 48 hours prior to the initiation of work.

Determination:

☒ **Finding of No Significant Impact** [24 CFR 58.40(g)(1); 40 CFR 1508.27]
The project will not result in a significant impact on the quality of the human environment.

☐ **Finding of Significant Impact** [24 CFR 58.40(g)(2); 40 CFR 1508.27]
The project may significantly affect the quality of the human environment.

Preparer Signature: Sol V Rosa Date: September 24, 2025

Name/Title/Organization: José D. Centeno, PE - Ingenieros del Oeste CSP
Sol V Rosa, Env Reviewer - Tetra tech

Certifying Officer Signature: _____ Date: September 26, 2025

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

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

List of Figures and Agency Documents

Exhibit 1	Location Map
Exhibit 2	Airport Hazards Map
Exhibit 3	Coastal Barrier Resources Act Map
Exhibit 4	Flood Insurance Map
Exhibit 5	Air Quality / Puerto Rico Nonattainment/Maintenance Status Map
Exhibit 5A	Air Quality / Puerto Rico Nonattainment/Maintenance Status
Exhibit 6	Coastal Zone Management Map
Exhibit 6A	Certification of Consistency with the PR Coastal Zone Management Program
Exhibit 7	Toxic and Contamination Substances Map
	Exhibit 7A Detailed Facility Report
	Exhibit 7B Detailed Facility Report
	Exhibit 7C Detailed Facility Report
	Exhibit 7D Detailed Facility Report
	Exhibit 7E Detailed Facility Report
	Exhibit 7F Detailed Facility Report
	Exhibit 7G Detailed Facility Report
	Exhibit 7H Detailed Facility Report
	Exhibit 7I Detailed Facility Report
	Exhibit 7J USTs Map
	Exhibit 7K Radon Memorandum and agency correspondence
Exhibit 8	Critical Habitat Map
Exhibit 8A	Endangered Species Document
Exhibit 9	Explosive and Flammable Hazards Map
Exhibit 10	Farmland Protection Map
Exhibit 11	Base Flood Elevations (ABFE) Map
Exhibit 12	Historic Preservation
Exhibit 13	Sole Source Aquifers Map
Exhibit 14	Wetland Map
Exhibit 15	Wild and Scenic Rivers Map
Exhibit 16	Field Inspection Report

EXHIBITS

Environmental Review CDBG-PR
Gallery Plaza
PR-CRP-000981

Exhibit 1 Location Map

PR-CRP-000981 Gallery Plaza
Road 472 and Juan González St, Isabela, PR 00662
Coordinates 18.500198, -67.025665

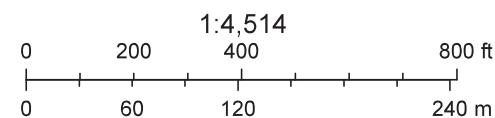


Legend:

 Project Site



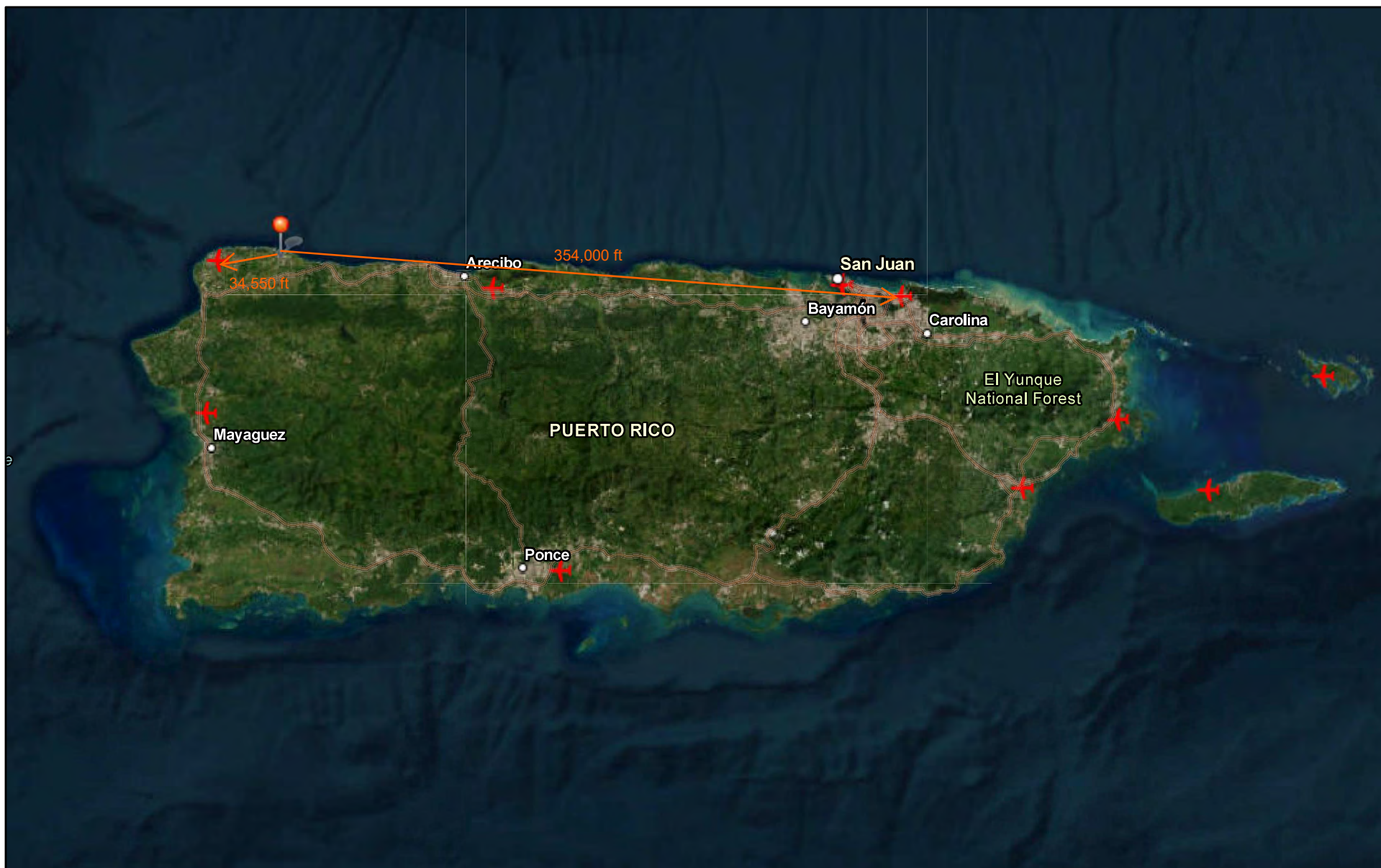
Maxar



8/5/2024

Exhibit 2 Airports Map

PR-CRP-000981 Gallery Plaza
Road 472 and Juan González St, Isabela, PR 00662
Coordinates 18.500198, -67.025665



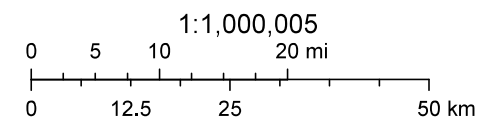
Legend:



Project Site



Airport Points



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

August 12, 2025

SVR - Tt

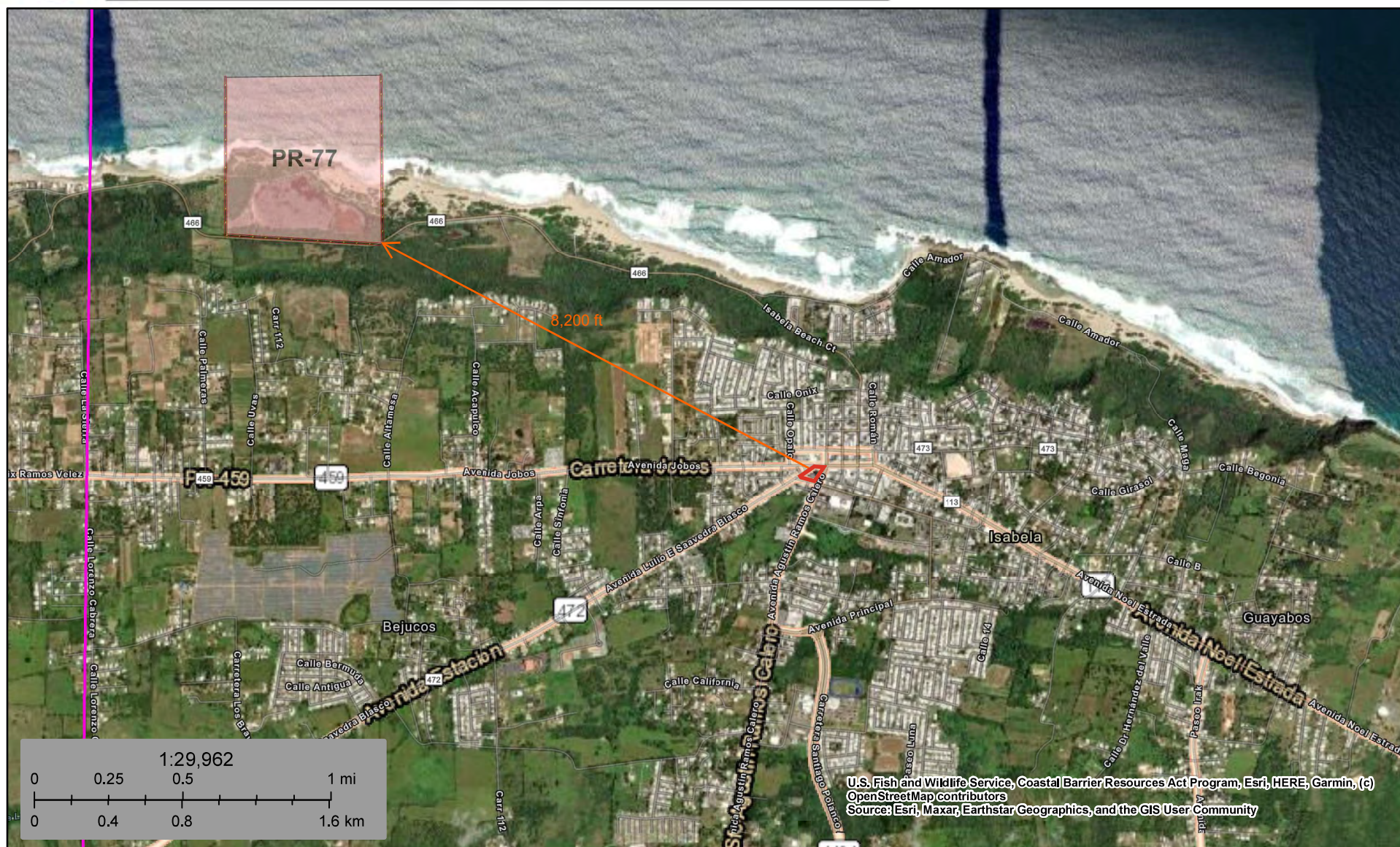


U.S. Fish and Wildlife Service Coastal Barrier Resources System

PR-CRP-000981 Gallery Plaza

Road 472 and Juan González St, Isabela, PR 00662

Coordinates 18.500198, -67.025665



Legend:

 CBRS Buffer Zone

CBRS Units

 Otherwise Protected Area

 System Unit

 Project Site



This map is for general reference only. The Coastal Barrier Resources System (CBRS) boundaries depicted on this map are representations of the controlling CBRS boundaries, which are shown on the official maps, accessible at <https://www.fws.gov/library/collections/official-coastal-barrier-resources-system-maps>. All CBRS related data should be used in accordance with the layer metadata found on the CBRS Mapper website.

The CBRS Buffer Zone represents the area immediately adjacent to the CBRS boundary where users are advised to contact the Service for an official determination (<https://www.fws.gov/service/coastal-barrier-resources-system-property-documentation>) as to whether the property or project site is located "in" or "out" of the CBRS.

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

National Flood Hazard Layer FIRMette

67°1'51"W 18°30'18"N <https://msc.fema.gov/portal/search?AddressQuery=-66.50588%2C%2018.05312>



Exhibit 4

FEMA

PR-CRP-000981 Gallery Plaza
Road 472 and Juan González St, Isabela, PR 00662
Coordinates 18.500198, -67.025665

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
MAP PANELS		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.

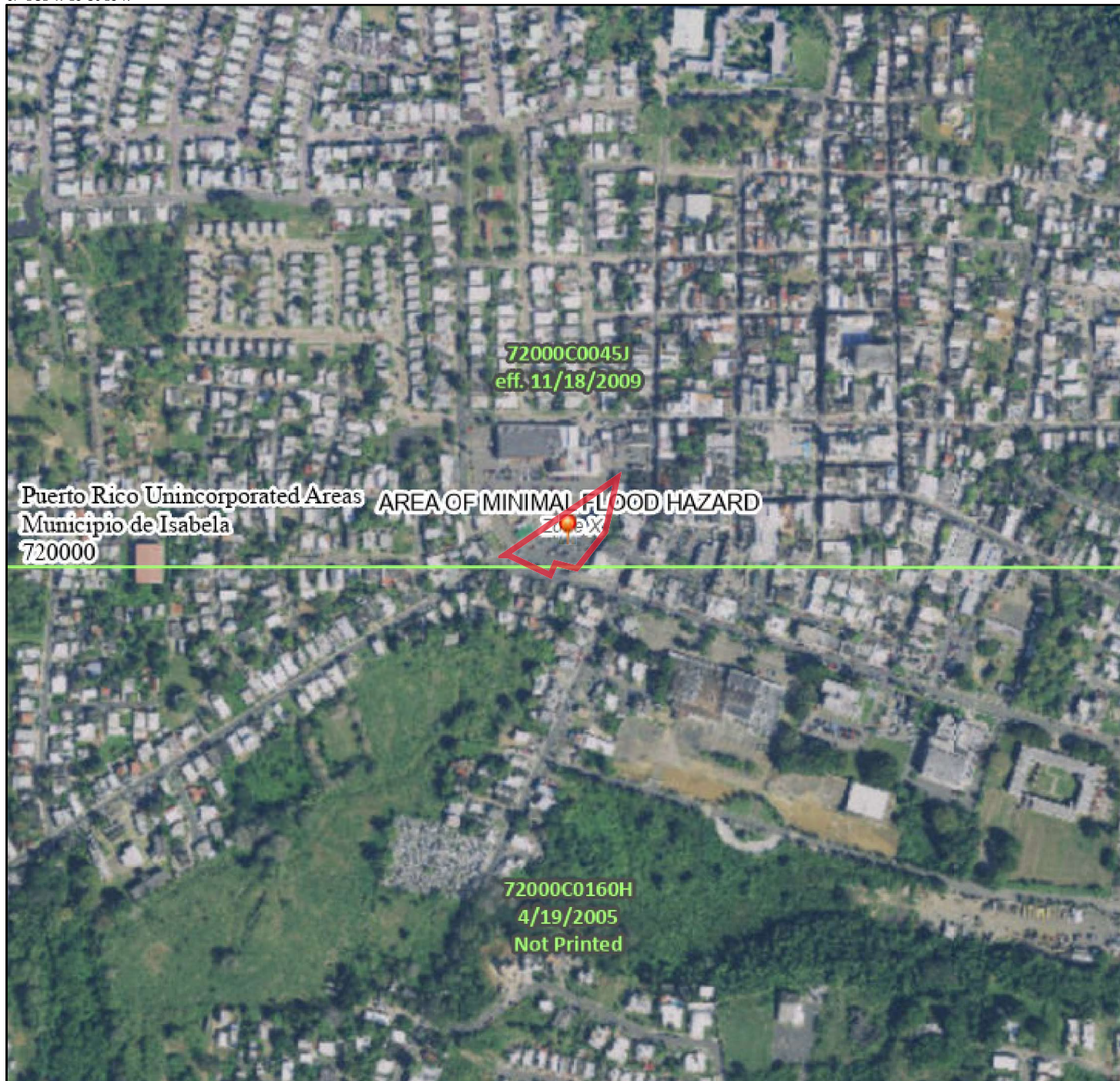


Project Site

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 **6/14/2023 at 6:08 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.



0 250 500 1,000 1,500 2,000 Feet

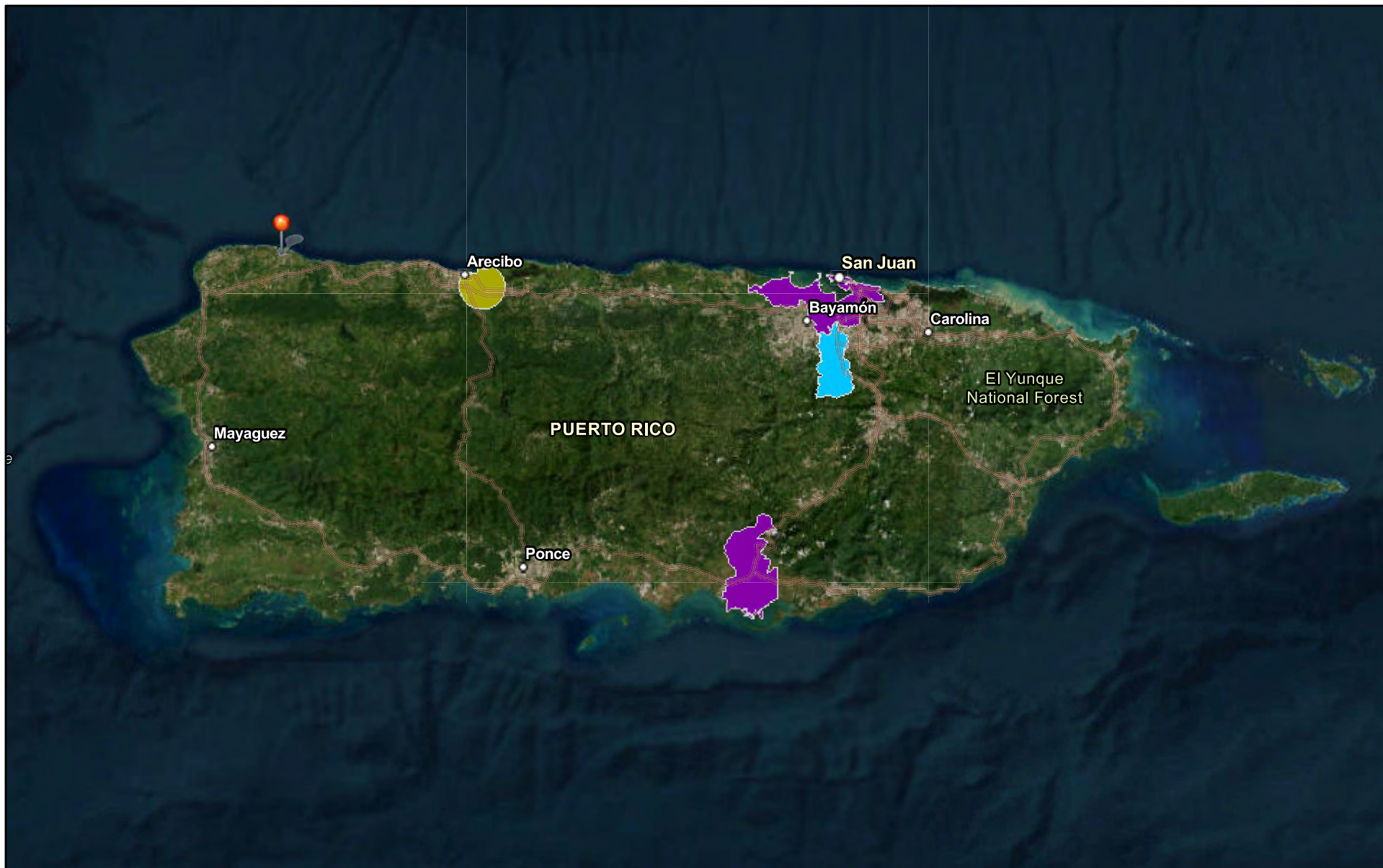
1:6,000

67°1'14"W 18°29'44"N

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Exhibit 5 Air Quality Map

PR-CRP-000981 Gallery Plaza
Road 472 and Juan González St, Isabela, PR 00662
Coordinates 18.500198, -67.025665



Legend:



Project 1

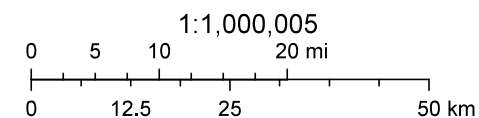
Lead (2008 standard) SO₂ 1-hr (2010 standard)



Nonattainment



Nonattainment



Earthstar Geographics, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, U.S.

Exhibit 5A

PR-CRP-000981 Gallery Plaza
Road 472 and Juan González St, Isabela, PR 00662
Coordinates 18.500198, -67.025665

Green Book

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/m³) is revoked in attainment and maintenance areas for that NAAQS. For additional information see the PM-2.5 NAAQS SIP Requirements Final Rule, effective October 24, 2016. ([81 FR 58009](#))

Change the State:

PUERTO RICO

GO

[Important Notes](#)

[Download National Dataset](#) [dbf](#) | [xls](#)

County	NAAQS	Area Name	Nonattainment in Year																							Redesignation to Maintenance	Classification	Whole or / Part County	Population (2010)	State/ County FIPS Codes																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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US Coastal Zone Management Act Boundary

■ US Coastal Zone Management Act Boundary

■ Project Site

PR-CRP-000981 Gallery Plaza
Road 472 and Juan González St, Isabela, PR
00662 Coordinates 18.500198, -67.025665

1:23200



0 500 m
0 1000 ft

koordinates
koordinates.com



JUNTA DE

PLANIFICACIÓN

GOBIERNO DE PUERTO RICO

Exhibit 6A

July 22, 2025

Mr. Angel López Guzmán

a.lopez@vivienda.pr.gov

Deputy Director

Permit and Environmental Compliance Division

PR Department of Housing

PO Box 21365

San Juan, Puerto Rico, 00928-1365

Federal Consistency Certification

Federal Assistance with CDBG funds from the

City Revitalization Program (CRP)

CZ-2024-0919-208/ PR-CRP 000981

CADASTRAL NUMBER: 003-096-053-02

Gallery Plaza

Pueblo ward, Isabela, Puerto Rico

Dear Mr. López:

The Puerto Rico Planning Board (PRPB) emitted a Federal Consistency Certification for the project at reference on November 6, 2024, with the condition that the applicant submits evidence of the requested endorsement within **ninety (90) days from the receipt of the conditioned certification letter from the OGH**. In this case must provide evidence of *compliance with the PR Environmental Policy Law, the endorsement of the Puerto Rican Culture Institute (PRCI) and/or the State Historic Preservation Office (SHPO) and compliance with the Special Flood Hazard Zone Regulations (Planning Regulation Number 13)*.

The applicant provided a copy of the requested compliance documents via email on July 18, 2025. They indicate that:

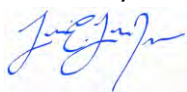


- The State Historic Preservation Office (SHPO) in a letter dated December 7, 2024, stated that they concur that the proposed project will have no adverse effect on historic properties conditions to an archaeological monitoring during all ground disturbing activities for the project.
- The Permits Management Office (PMO) that the project complies with the 4(B) (3) Article of the Environmental Public Policy Law through a categorical exclusion granted on June 12, 2025.
- Provided evidence of compliance with the Special Flood Hazard Zone Regulations (Planning Regulation Number 13), a flood determination.

Considering the above-mentioned findings, the Federal Assistance to finance the project at reference is **consistent** with PRCZMP. This determination does not preclude the possibility of obtaining any other permit or endorsement from other Commonwealth or Federal Agencies.

Thanks for your cooperation with our Program. If you have any questions concerning this matter, please contact Maryguel Fuentes at 787-723-6200 ext. 16017 or her e-mail address: fuentes_m@jp.pr.gov.

Cordially,



Luis E. Lamboy Torres

Director

Geology and Hydrogeology Office

c: Department of Housing, environmentalcdbg@vivienda.pr.gov

Mrs. Leilani González Negrón, MBA, legonzalez@vivienda.pr.gov

MFL/



OFICINA ESTATAL DE

CONSERVACIÓN HISTÓRICA

GOBIERNO DE PUERTO RICO

Executive Director | Carlos A. Rubio Cancela | carubio@prshpo.pr.gov

Tuesday, June 3, 2025

Lauren B Poche

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

SHPO-CF-11-18-24-03 PR-CRP-000981 (Isabela), Gallery Plaza Isabela"

Dear Ms. Poche,

We acknowledge receipt of the archaeological monitoring work plan dated April 23, 2025, for the case mentioned above. The plan is deemed acceptable, and we concur with its implementation. Please notify the PRSHPO the archaeological monitoring start date 48 hours prior to the initiation of work.

If you have any questions concerning our comments, do not hesitate to contact our Office.

Sincerely,

Carlos A. Rubio Cancela

State Historic Preservation Officer

CARC/GMO/ OJR



May 13, 2025

Carlos A. Rubio Cancela
State Historic Preservation Officer
Puerto Rico State Historic Preservation Office
Cuartel de Ballajá (Tercer Piso)
San Juan, PR 00902-3935

**PUERTO RICO DISASTER RECOVERY, CDBG-DR CITY REVITALIZATION (CITY-REV)
PROGRAM**

**RE: SHPO-CF-11-18-24-03 – PR-CRP-000981 - GALLERY PLAZA ISABELA, ISABELA,
PUERTO RICO – ARCHAEOLOGY MONITORING WORK PLAN SUBMISSION**

Dear Architect Rubio Cancela,

On behalf of the Puerto Rico Department of Housing (PRDOH), we thank you for your letter dated December 7, 2024, in response to the submission of documentation for PR-CRP-000981, Gallery Plaza Isabela project. The letter stated your office had determined your records supported the finding of no adverse effect for the proposed undertaking conditioned to archaeological monitoring during all ground disturbing activities for the project, and the preparation and submission of an archaeological monitoring work plan for review and concurrence.

As such, we are submitting the requested Archaeological Monitoring Plan prepared by Archaeologist Fernando Alvarado Muñoz. We are requesting your review of the prepared plan and concurrence that the implementation of the plan is appropriate for the undertaking.

Please contact me with any questions or concerns by email at lauren.poche@horne.com or phone at 225-405-7676.

Kindest regards,



Lauren Bair Poche. M.A.

Architectural Historian, EHP Senior Manager
LBP/KPS

Attachments



GOVERNMENT OF PUERTO RICO

STATE HISTORIC PRESERVATION OFFICE

Executive Director | Carlos A. Rubio Cancela | carubio@prshpo.pr.gov

Saturday, December 7, 2024

Lauren B Poche

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

SHPO-CF-11-18-24-03 PR-CRP-000981 (Isabela), Gallery Plaza Isabela"

Dear Ms. Poche,

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

After a review of all the documentation, the PRSHPO concurs with your determination that the proposed project will have no adverse effect on historic properties conditioned to a archaeological monitoring during all ground disturbing activities for the project. An archaeology monitoring work plan must be submitted to PRSHPO for its review and concurrence before any works initiates.

If you have any questions concerning our comments, do not hesitate to contact our Office.

Sincerely,

Carlos A. Rubio Cancela

State Historic Preservation Officer

CARC/GMO/ OJR



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

11/18/2024

Carlos A. Rubio Cancela
State Historic Preservation Officer
Puerto Rico State Historic Preservation Office
Cuartel de Ballajá (Tercer Piso)
San Juan, PR 00902-3935

Puerto Rico Disaster Recovery, CDBG-DR City Revitalization (City-Rev) Program
Section 106 NHPA Effect Determination Submittal for PR-CRP-000981, Gallery Plaza Isabela, Isabela, Puerto Rico – No Adverse Effect, Conditioned

Dear Architect Rubio Cancela,

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

On behalf of PRDOH, HORNE is submitting documentation for the proposed Gallery Plaza Isabela, adjacent to the Isabela Traditional Urban Center. The Municipality of Isabela proposes to transform the existing parking lot into a food truck park that will provide leisure spaces and outdoor activities for the local community. Proposed improvements include removing the existing sidewalks and constructing new concrete sidewalks, a new concrete floor slab, replacement and addition of parking spaces, the addition of a pergola, kiosk and playground, and new lighting, benches and food truck stations. The full scope of the project is described in the submitted documentation, which includes mapping, photographs, and the 100% design development plans.

Based on the provided documentation, the Program requests a concurrence with a determination that "No Adverse Effect" is appropriate for this undertaking, conditioned to archaeological monitoring for all ground disturbing activities and excavations. If this condition is deemed appropriate, an archaeological monitoring plan will be prepared and submitted to the PRSHPO for review and concurrence of the appropriateness of its implementation for this undertaking.

If you have any questions or concerns, please contact me by email at lauren.poche@horne.com or phone at 225-405-7676.

Kindest regards,



Lauren Bair Poche. M.A.

Architectural Historian, EHP Senior Manager
LBP/KPS

Attachments



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

Certificación de Cumplimiento Ambiental por Exclusión Categórica

Gallery Plaza

Fecha de Expedición:

12/JUN/2025

Datos de Localización

De conformidad con las disposiciones contenidas en las leyes y los reglamentos vigentes, se expide la presente Certificación de Exclusión Categórica para la acción(es) antes descrita(s):

Dirección Física:

Dirección: Ave. Estación esq. Juan Gonzalez, Bo.
Pueblo, Isabela, Puerto Rico, 00602

Municipio: Isabela

Estado: Puerto Rico

Código Postal: 00602

Dueño:

Gobierno Municipal de Isabela

Sometido por:

José D Centeno Calero

Calificación

Distrito(s) de Calificación: C-I

Distrito en el Mapa de Inundabilidad: X

Tipo de Suelo: SNS

Número(s) de Catastro:

003-096-053-02

Datos de determinación

Exclusión Categórica

Números de exclusión categórica aplicables de acuerdo a la OA-2021-02 del
DRNA :

10

Fecha de Expedición:

12/JUN/2025

Condiciones Generales

A. Requisitos generales: Los siguientes requisitos serán de aplicabilidad a todas las acciones enlistadas en la Parte II de esta Orden Administrativa:

1. No descargará contaminantes a cuerpos de agua que requieran la aplicación de un nuevo permiso federal de descarga bajo el programa conocido como el National Permit Discharge Elimination System (NPDES), o de una modificación al existente ni generará desperdicios peligrosos. En el caso de los edificios o estructuras existentes que formen parte de un Parque Industrial propiedad de la Compañía de Fomento Industrial, la acción propuesta no estará sujeta a esta restricción. La acción propuesta no generará emisiones de contaminantes al aire que excedan dos (2) toneladas al año de cada contaminante atmosférico criterio o cinco (5) toneladas de cualquier combinación de contaminantes atmosféricos criterios, ni emitirá al aire contaminantes peligrosos o tóxicos u olores objetables. Una vez alcanzados estos límites de emisión mediante una o varias solicitudes presentadas a través de esta Orden Administrativa, en un periodo de cinco (5) años de haberse alcanzado dichos límites no podrá presentarse una nueva solicitud de exclusión categórica para añadir o modificar fuentes adicionales que conlleven aumentar los límites de emisión de una fuente existente. En el caso de los edificios o estructuras existentes que formen parte de un Parque Industrial propiedad de la Compañía de Fomento Industrial, la acción propuesta no generará emisiones de contaminantes al aire que excedan diez (10) toneladas al año de cada contaminante atmosférico criterio o cero punto veinticinco (0.25) toneladas de cualquier contaminante atmosférico peligroso (HAP, por sus siglas en inglés) o una (1) tonelada de cualquier combinación de contaminantes atmosféricos peligrosos. Una vez



Certificación de Cumplimiento Ambiental por Exclusión Categórica

alcanzados estos límites de emisión mediante una o varias solicitudes presentadas a través de esta Orden Administrativa, en un periodo de cinco (5) años de haberse alcanzado dichos límites no podrá presentarse una nueva solicitud de exclusión categórica para añadir o modificar fuentes adicionales que conlleven aumentar los límites de emisión de una fuente existente.

2. No se fragmentará o segmentará la acción propuesta en diferentes etapas con el fin de evadir los requerimientos de un documento ambiental.

3. En el caso de que la acción propuesta esté afectada por el uso u otorgamiento de fondos federales que requieran un proceso de evaluación parecido al de NEPA (NEPA-Like Process), el proponente deberá asegurarse que ha cumplido con los requisitos del reglamento de documentos ambientales del DRNA.

4. La acción cumple con los niveles de ruido y emisión de luz artificial, según establecido por los respectivos reglamentos promulgados por el DRNA o cualquier legislación aplicable.

5. No se realizará actividad alguna dentro de un cuerpo de agua, a menos que sea una obra de dragado de mantenimiento, mitigación, investigación, medición, monitoreo o remediación ambiental.

6. La acción propuesta ubica en un área donde no existen problemas de infraestructura relacionada con los servicios de energía eléctrica, agua potable, alcantarillado sanitario, alcantarillado pluvial y la capacidad vial para los accesos.

7. La acción propuesta deberá cumplir con cada uno de los requisitos específicos que le son de aplicabilidad.

C. Requisitos para Acciones de construcción nueva:

1. Las acciones de construcción de nuevas estructuras, además del cumplimiento con los requisitos establecidos en la Parte III, Inciso A, Sub incisos 1 al 7, sólo se aprobará la acción mediante Exclusión Categórica si la misma cumple con lo siguiente:

a. Toda construcción nueva no podrá ser desarrollada o estar ubicada en:

i. Áreas especiales con riesgo de inundación, derrumbes o marejadas, incluyendo la zona marítimo terrestre y su servidumbre de salvamento.

ii. Áreas designadas como "Superfund Site", y/o donde el Departamento de Recursos Naturales y Ambientales u otras agencias gubernamentales estatales o federales hayan determinado que existe un grado de contaminación que excede el permitido por los reglamentos vigentes, con excepción de las áreas designadas a través del programa federal de "Brownfields";ado que existe un grado de contaminación que excede el permitido por los reglamentos vigentes, con excepción de los áreas designadas a través del programa federal de "Brownfields".

iii. Áreas ecológicamente sensitivas o protegidas oficialmente designadas por el Departamento de Recursos Naturales y Ambientales, la Junta de Planificación o cualquier agencia estatal o federal con jurisdicción.

iv. Áreas donde existan especies únicas de fauna o flora o que estén en peligro de extinción.

v. Áreas que puedan afectar ecológicamente sistemas naturales o artificiales ya sea en forma directa o indirecta.

vi. Áreas que no cuenten con infraestructura para el suministro de agua potable, disposición de las aguas sanitarias,



Certificación de Cumplimiento Ambiental por Exclusión Categórica

energía eléctrica o capacidad vial para el manejo adecuado del tránsito de vehículos de motor. Se dispensa de este requisito a las residencias unifamiliares y proyectos agrícolas en áreas rurales, en donde la infraestructura o servicios de esta naturaleza son limitados.

vii. Áreas que constituyan yacimientos minerales, conocidos o potenciales.

viii. Áreas donde existen yacimientos arqueológicos o de valor cultural, según determinado por el Instituto de Cultura Puertorriqueña, Registro Nacional de Lugares Históricos, y/o la Oficina Estatal de Conservación Histórica, según aplique.

ix. Áreas de topografía escarpada en cuencas hidrográficas donde se puedan afectar fuentes de abasto de agua potable.

b. No excede de quince mil pies cuadrados (15,000 p2) en la suma total de ambas áreas (ocupación y área bruta de piso), incluyendo la infraestructura asociada.

c. Las aguas de proceso y de lavado que sean generadas en la construcción y operación deberán ser dispuestas a través de un sistema de alcantarillado sanitario.

Aviso

Si luego de haberse aquí dado cumplimiento con el Artículo 4(B) de la Ley Núm. 416 surgieran variaciones sustanciales en la acción propuesta que requieran la evaluación a los impactos ambientales, habrá que presentar el correspondiente documento ambiental, de conformidad con la Ley sobre Política Pública Ambiental.

Condiciones Especiales

Firma / Sellos

Fecha de Expedición:
12/JUN/2025



Norberto Almodóvar Vélez
Secretario Auxiliar de la OGPe





Gobierno de Puerto Rico
Junta De Planificación de Puerto Rico
Administrador Estatal de Valles Inundables
Oficina de Geología e Hidrogeología

Determinación Número
2025-00-JDI-4693

DETERMINACIÓN DE INUNDACIÓN

Determinación sobre la clasificación de una propiedad respecto a las Áreas Especiales de Riesgo a Inundación en Puerto Rico

Número de Catastro 003-096-053-02	Nombre de la Comunidad Participante Comunidad Participante de Puerto Rico	Número de la Comunidad Participante 720000#
--------------------------------------	--	--

Información de la Propiedad

Municipio Isabela	Barrio Barrio Pueblo	Carretera y Sector Isabela PR-CRP-000981- Gallery Plaza	Plus Code 77CJGX2F+3P	Coordenadas X:137451.6 Y:273911.2
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Información sobre el Mapa de Tasas del Seguro de Inundación (FIRM, por sus siglas en inglés)

Número del Mapa de Inundación, FIRM 72000C0045J	Vigencia 18/Nov/2009	Status de Panel Printed	Zona Inundable X
Cauce Mayor (Sí, No, No determinado) No	¿La propiedad ubica en un área especial de riesgo a inundación del 1% de probabilidad? No	Nivel de Inundación Base (MSL) No Aplica	Profundidad de Inundación Base (Solo aplica a Zona AO) No Aplica
Sistema de Barreras Costeras (Sí o No)/Fecha de Designación No Aplica	Tipo de Barrera Costera No Aplica	Cuenca Hidrográfica (USGS) Cuenca del Río Guajataca	
Nombre del Cuerpo de Agua Adyacente (cuando es VE es el mar, primera fase el cuerpo de agua mas cercano) (Oceanos) a 8890 m.			¿Se propone depósito de relleno? No

Información sobre el Mapa de Niveles de Inundación Base Recomendados (ABFE, por sus siglas en inglés)

Número del Mapa de Inundación 72000C0045J	Vigencia 13/Apr/2018	Zona Inundable Fuera mapa (ABFE)
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La Junta de Planificación de Puerto Rico, en su resolución JP-ABFE_01 del 23 de marzo de 2018, **requiere que para toda nueva construcción o mejora sustancial, otorgación de permisos según aplique en su ámbito jurisdiccional cumpla con los Mapas de Niveles de Inundación Base Recomendados** preparados por la Agencia Federal para el Manejo de Emergencias (FEMA, por sus siglas en inglés); excluyendo de su uso determinaciones o decisiones relacionadas al seguro de inundación NFIP, por sus siglas en inglés.

Determinación

Esta determinación está basada en datos de la Junta de Planificación y datos obtenidos de los Mapas de Tasas del Seguro de Inundación vigentes y no determina la localización exacta de una estructura dentro de una propiedad. Se advierte que una propiedad no localizada dentro del área inundable regulatoria (inundación del 1% de probabilidad o inundación con recurrencia de 100 años) pudiera ser afectada por inundaciones locales o inundaciones de otras recurrencias no reflejadas en estos mapas. Para propósitos del seguro de inundación, el mapa oficial es el DFIRM, adoptado por la Junta de Planificación de Puerto Rico. La clasificación parcial entre dos o más zonas, prevalecerá la más estricta.

Si la propiedad está en un Área Especial de Riesgo [Peligro] a Inundación, se requiere cumplir con las disposiciones del Reglamento de Planificación No. 13 vigente y será requerido cumplir con la Ley Federal de Protección a Desastres del año 1973. Para las zonas A, AE, AO, AH, A99 y VE es requisito obligatorio adquirir un seguro de inundación para propiedades con hipotecas respaldadas federalmente.

Solicitante
Deborah Espada

Contáctenos en avipr@jp.pr.gov

Fecha de Emisión
11/Sep/2025

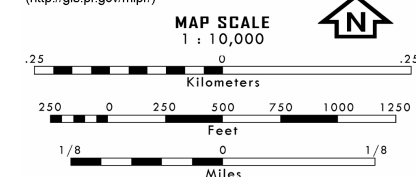


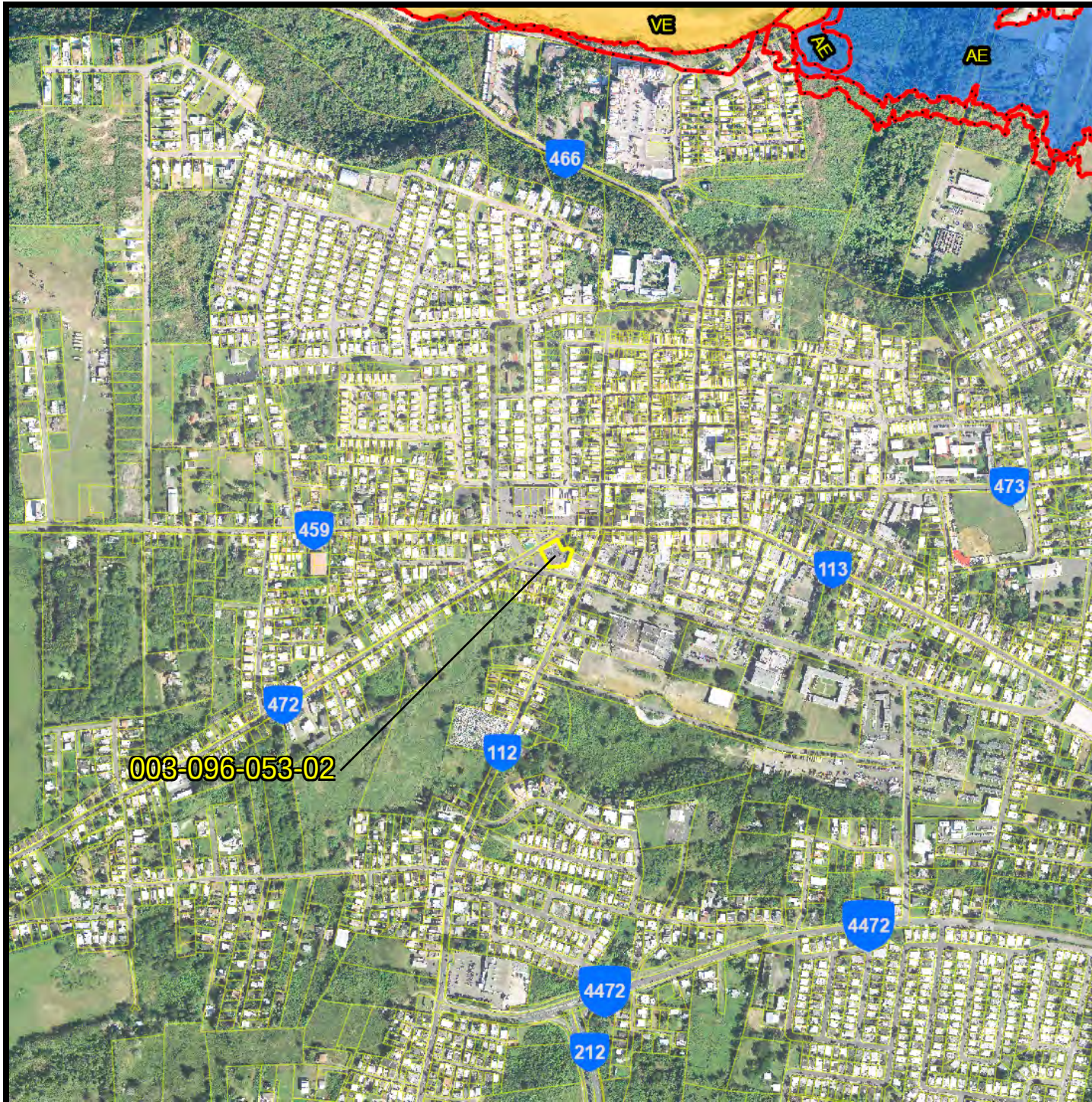
Mapa sobre Tasas del Seguro de Inundación (Flood Insurance Rate Maps, FIRM)

NFIP		PANEL 0045J	
FIRM FLOOD INSURANCE RATE MAP COMMONWEALTH OF PUERTO RICO AND MUNICIPALITIES			
USE MAP INDEX FOR FIRM (PANEL LAYOUT) CONTAINS COMMUNITY			
COMMUNITY Puerto Rico	NUMBER 72000	PANEL 0045	SUFFIX J
Notes to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used as a reference to the subject community.			
		MAP NUMBER 72000C0045J EFFECTIVE DATE 18/Nov/2009	
Federal Emergency Management Agency			

Leyenda	
	0.2% ACF
	A
	A99
	Cauce Mayor
	Coastal Barrier
	AE
	AH
	AO
	VE
	X

Notas:
 Las elevaciones mostradas en estos mapas son consideradas la mejor información disponible hasta que se desarrollen Mapas de Tasas del Seguro de Inundación (FIRM, por sus siglas en inglés) actualizados.
 Estos mapas NO han sido desarrollados para tomar determinaciones respecto al seguro de inundación del Programa Nacional del Seguro de Inundación (NFIP, por sus siglas en inglés). Para propósitos del seguro de inundación, se debe hacer referencia a los FIRMs vigentes para Puerto Rico y disponibles en <http://msc.fema.gov> o en la herramienta MiPR de la Junta de Planificación (<http://gis.pr.gov/mipr/>)





Mapa de Niveles de Inundación Base Recomendados Para propósitos de nueva construcción o mejora substancial.

Estos mapas desarrollados por la Agencia Federal para el Manejo de Emergencias (FEMA, por sus siglas en inglés) identifican cuales áreas se encuentran en las nuevas zonas inundables recomendadas del 1% y 2% de probabilidad, así como los niveles de inundación base recomendados (ABFE, por sus siglas en inglés) que pueden afectar las prácticas de construcción en Puerto Rico.

Zona Inundabilidad Por ciento
Fuera de los límites de los mapas de inundación recomendados

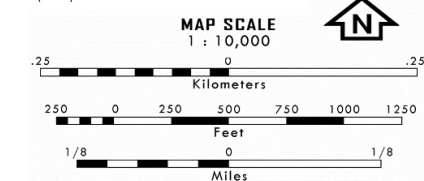
Panel Inundabilidad: 72000C0045J

Fecha de Efectividad: 18 de abril de 2018
Ver Resolución JP-ABFE_01 del 23 de marzo de 2018

Legenda

— Hidrografía	A
□ Límite ABFE	AE
▨ Cauce Mayor	AO
	Coastal A Zone
	VE
	X (0.2% ACF)

Notas:
La elevación de inundación base que se muestra en este mapa utiliza el nivel medio del mar (MSL). Se advierte al usuario que toda información obtenida del mapa deberá corroborarse con el Estudio del Seguro de Inundación (FIS, por sus siglas en inglés) de Puerto Rico. Se deberá utilizar la tabla de niveles de inundación provista por dicho estudio que muestra la elevación para inundación, dichos datos deberán ser utilizados en proyectos de construcción o propósitos relacionados con la administración de Valles Inundables en Puerto Rico cuando estos sean mayores a las elevaciones que muestra el mapa de inundaciones (FIRM).





GOVERNMENT OF PUERTO RICO

PUERTO RICO PLANNING BOARD

November 6, 2024

Mrs. Angel López Guzmán

a.lopez@vivienda.pr.gov

Deputy Director

Permit and Environmental Compliance Division

PR Department of Housing

PO Box 21365

San Juan, Puerto Rico, 00928-1365

Federal Consistency Certification

Federal Assistance with CDBG funds from the

City Revitalization Program (CRP)

CZ-2024-0919-208 / PR-CRP-000981

Cadastral Number: 003-096-053-02

Gallery Plaza

Pueblo Ward, Isabela

Dear Mr. López:

The Puerto Rico Department of Housing submitted the application of reference to obtain federal assistance from the CDBG-DR funds through the City Revitalization Program. The proposed recreational facility will include an open area for cultural activities, children's playgrounds, gazebos, walkways, landscaping, and parking.

The proposed project is in the urban center at PR 472 Int. Juan González, Pueblo ward in the municipality of Isabela.

The Puerto Rico Planning Board in its meeting of July 24, 2024; emitted a General Federal Consistency Certification with the Puerto Rico Coastal Management Program (PRCZMP), under resolution **JP-2024-004** for projects to be financed with Federal funds under the CDBG-MIT programs.



The section D of this resolution establishes that Federal assistance awarded under CDBG-DR and CDBG-MIT programs for infrastructure projects (sidewalks, roads, highways, services lines, public squares) projects, are **consistent** with the PRCZMP with the condition that the applicant fulfills the following requirements **ninety (90) days before** the construction phase of the project.

1. Evidence compliance with the PR Environmental Policy Law (Law number 416 of September 22, 2004) by providing copy of the Environmental Compliance Determination emitted by the PR Permit Management Office (OGPe).
2. Evidence compliance with the Special Flood Hazard Zone Regulations (Planning Regulation Number 13) when it is required depending on the nature and location of the project.
3. In the case of projects that are located within Historic Zones designated by the PR Planning Board, the project must have the endorsement of the Puerto Rican Culture Institute and/or the State Historic Preservation Office (SHPO).

These documents must be submitted to the Office of Geology and Hydrogeology Office of the Puerto Rico Planning Board referring to the Federal Consistency review application number. Documents may be submitted via email to fuentes_m@jp.pr.gov and comentariosjp@jp.pr.gov.

Considering this the project at reference is **consistent** with the PRCZMP with the **condition** that the applicant complies with the above-mentioned requirements as established in Resolution **JP-2024-004**. This determination does not preclude the possibility of the need to obtain any other permit or endorsement from other Commonwealth or Federal Agencies.

Thanks for your cooperation with our Program. If you have any questions concerning this matter, please contact Maryguel Fuentes at 787-723-6200 ext. 16017 or her e-mail address: fuentes_m@jp.pr.gov.

Cordially,



Luis E. Lamboy Torres

Director

Geology and Hydrogeology Office

c: municipio.vieques.alcaldia@gmail.com

Department of Housing, environmentalcdbg@vivienda.pr.gov

Mrs. Leilani González Negrón, MBA, legonzalez@vivienda.pr.gov

ingenierosdeloestecsp@gmail.com; Agent

MFL/



Commonwealth of Puerto Rico
Office of the Governor
Puerto Rico Planning Board
Physical Planning Area
Land Use Planning Bureau

Application for Certification of Consistency with the
Puerto Rico Coastal Management Program

General Instructions:

- A. Attach a 1:20,000 scale, U.S. Geological Survey topographic quadrangular base map of the site.
- B. Attach a reasonably scaled plan or schematic design of the proposed object, indicating the following:
 - 1. Peripheral areas
 - 2. Bodies of water, tidal limit, and natural systems.
- C. You may attach any further information you consider necessary for proper evaluation of the proposal.
- D. If any information requested in the questionnaire does not apply in your case, indicate by writing "N/A"(not applicable).
- E. Submit a minimum of seven (7) copies of this application.

DO NOT WRITE IN THIS BOX			
Type of application: _____		Application Number: _____	
Date received: _____		Date of Certification: _____	
Evaluation result:	☐ Objection	☐ Acceptance	☐ Negotiation
Technician:	Supervisor:		
_____ Comments:			

- 1. Name of Federal Agency: Puerto Rico Department of Housing (Responsible Entity)
- 2. Federal Program Catalog Number: 14.218 Community Development Block Grant - Disaster Recovery (CDBG-DR)/ City Revitalization Program
- 3. Type of Action:

☐ Federal Activity ☐ License or permit ☒ Federal Assistance
- 4. Name of Applicant: Puerto Rico Department of Housing (PRDOH)
- 5. Postal Address: PO Box 21365, San Juan, PR 00928-1365

Telephone: 787-274-2527 Fax: N/A
- 6. Project name: Gallery Plaza (PR-CRP-000981)
- 7. Physical Description of Project Location (area, facilities such as vehicular access, drainage, storm and sanitary sewer placement, etc.):

The project is located in the coastal town of Isabela, José C Barbosa St to the north, Agustín Ramos Calero Ave to the east, Juan González St to the south, and Estación Ave to the west. Refer to attachment.

Lambert Coordinates: X= 137451.5850 Y= 273911.2056

8. Type of construction or other work proposed:

☐ drainage ☐ channeling ☐ landfill ☐ sand extraction

☐ pier ☐ bridge ☐ residential ☒ tourist

☐ others (specify and explain): N/A

Description of proposed work: The proposed recreational facility will include an open area for cultural activities, children’s playgrounds, gazebos, walkways, landscaping, and parking. Refer to attachment.

9. Natural, artificial, historic, or cultural systems likely to be affected by the project

Place an X opposite any of the systems indicated below that are in the project area or its surroundings, which are likely to be affected by that activity. Indicate the distance from the project to any outside system that would likely be affected.

System	Within Project	Outside Project	Distance (meters)	Local name of affected system
beach, dunes		X	904	Beach
marshes		X	984	Wetland
coral, reefs		X	1123	Reef
river, estuary		X	183	Creek
bird sanctuary		N/A	N/A	
pond, lake, lagoon		N/A	N/A	
agricultural unit		N/A	N/A	
forest, wood		X	635	Young Forest
cliff, breakwater		X	651	Cliff
cultural or tourist area		X	151	Cultural & Tourist Area
other (explain)	X		169	Floodzone X

Describe the likely impact of the project on the identified system (s).

Positive ☒ Negative ☐

Explain: The municipality of Isabela proposes to improve the recreative area and promote tourism. Project consists of children’s playgrounds, gazebos, walkways, landscaping, an open space for cultural activities, and parking. The project site where is basically free of flora and fauna. It is proposed the strategic planting of native plants and grass to control runoff stormwater, and provide shade, and habitat for birds

10. Indicate permits, approvals, and endorsements of the proposal by Federal and Puerto Rican government agencies. Evidence of such support should be attached to the proposal.

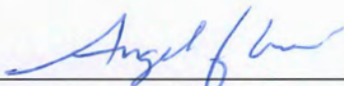
	Yes	No	Pending	Application Number
a. Planning Board	☐	☐	☐	
b. Regulation and Permits Administration	☐	☐	☐	

c. Environmental Quality Board	☐	☐	☐	
d. Department of Natural Resources	☐	☐	☐	
e. State Historic Preservation Office	☒	☐	☐	
f. U.S. Army Corps of Engineers	☐	☐	☐	
g. U.S. Coast Guard	☐	☐	☐	
h. Other (s) (specify)	☒	☐	☐	See Attachment No.6

Connection point approved by LUMA of PR. Connection point approved by the Aqueduct and Sewerage Authority of PR(AAA)

CERTIFICATION

I CERTIFY THAT Gallery Plaza (PR-CRP-000981) is consistent with the Puerto Rico Coastal Zone Management Program, and that to the best of my knowledge the above information is true.

<u>Angel López-Guzmán</u>	<u></u>
Name (legible)	Signature
Deputy Director, Permits and Environmental Compliance Division Disaster Recovery Office, PRDOH	<u>May 14, 2024</u>
Position	Date

Ingenieros del Oeste C.S.P.

Calle José de Diego #65, Aguadilla
PO BOX 4448 Aguadilla PR 00605
ingenierosdeloestecsp@gmail.com
Tel. / Fax. (787) 891-8256

EXPLANATORY MEMORIAL

PR-CRP-000981

GALLERY PLAZA Isabela, PR



Owner:	:	Municipality of Isabela
Designer:		José D. Centeno Calero PE (Lic. 20206) Ingenieros del Oeste CSP
Proposed Action:		Recreational and Activities Facilities in Isabela

del Oeste C.S.P.

Location:

Information about the site:

Lot identification number ("*Numero de Catastro*"): Various

003-096-053-04

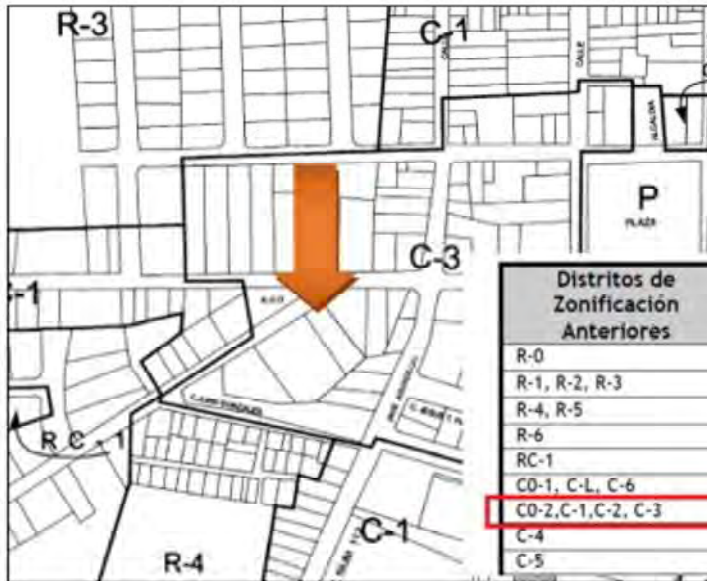
003-096-053-03

003-096-053-02

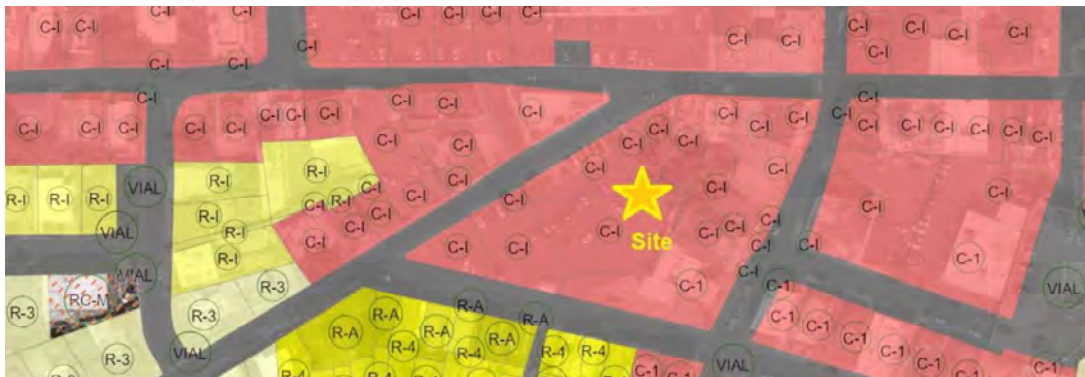
003-096-053-01

003-096-053-13

Zoning: C-1



Distritos de Zonificación Anteriores	Distritos Calificación Actuales	Descripción
R-0	UR	Terrenos Urbanizables
R-1, R-2, R-3	R-I	Residencial Intermedio
R-4, R-5	R-A	Residencial de Alta Densidad
R-6	R-ZH	Residencial Zona Histórica
RC-1	RC-M	Residencial Comercial Mixto
CO-1, C-L, C-6	C-L	Comercial Liviano
CO-2, C-1, C-2, C-3	C-I	Comercial Intermedio
C-4	C-C	Centro Comercial
C-5	RC-E	Recreación Comercial Extensa



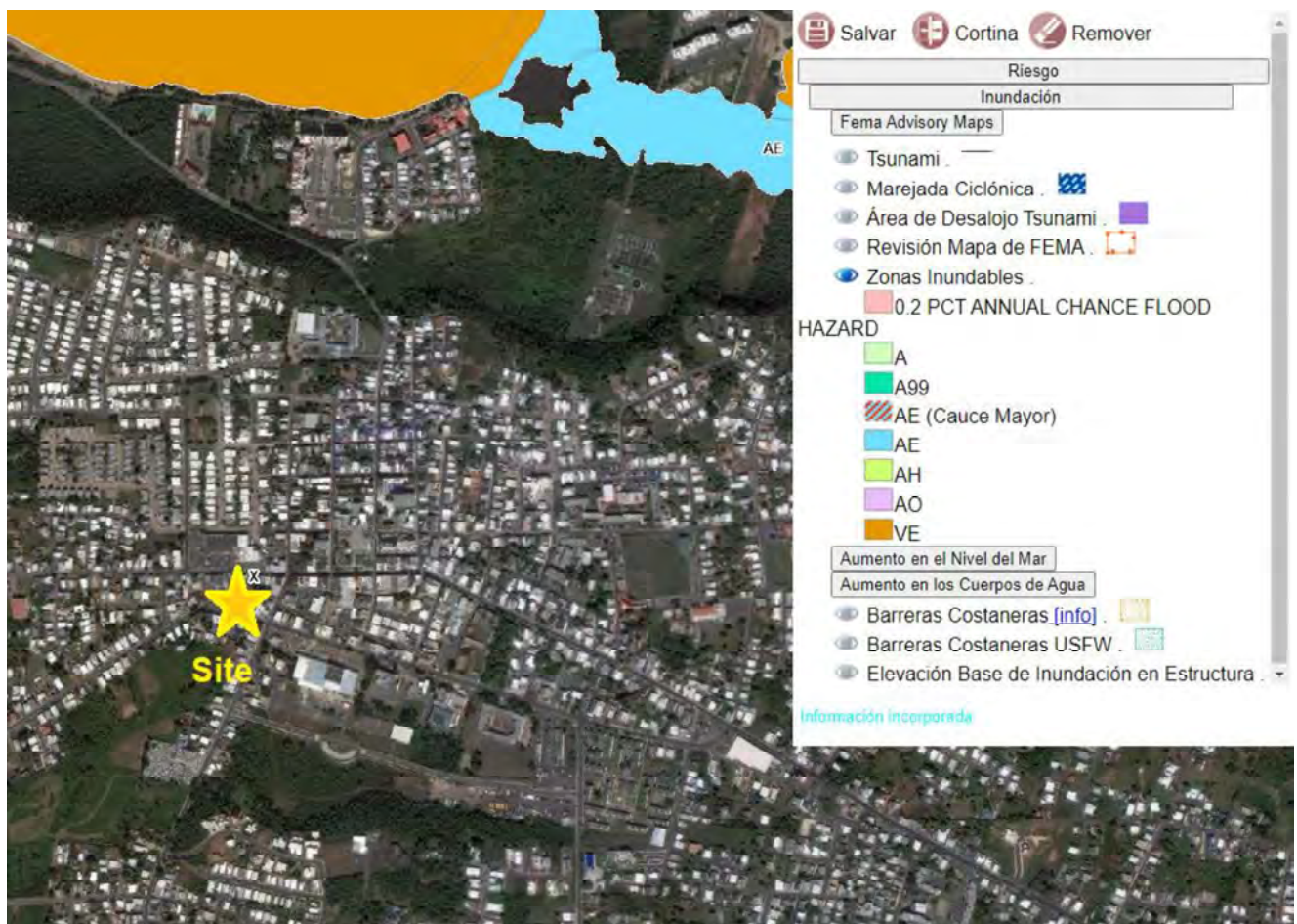
Ingenieros del Oeste C.S.P.

Classification: SU (URBAN)



Ingenieros del Oeste C.S.P.

Flooding Zone Classification: X (NOT Flooding Area)



The site is within the Coastal Zone





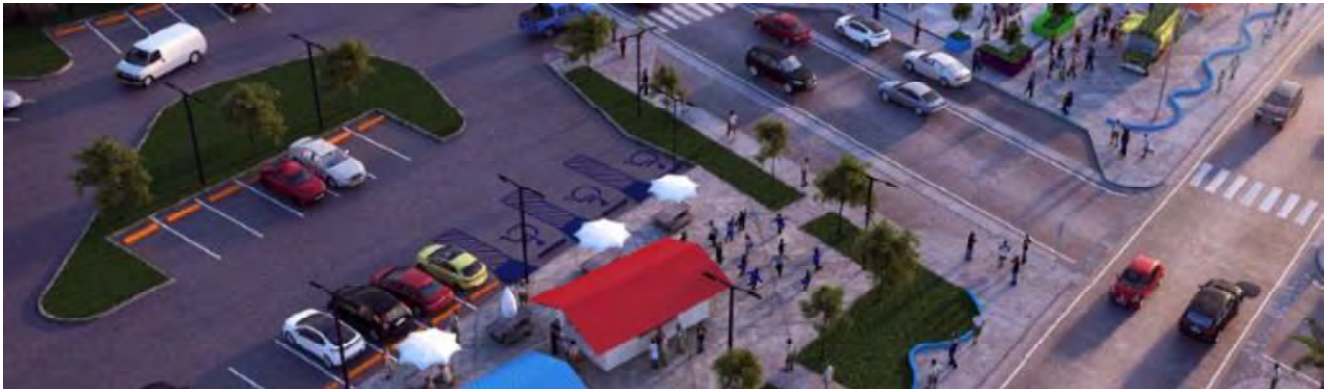
The project is located near the external limit of the coastal zone. The Project is located in the Urban Area of the Municipality of Isabela.

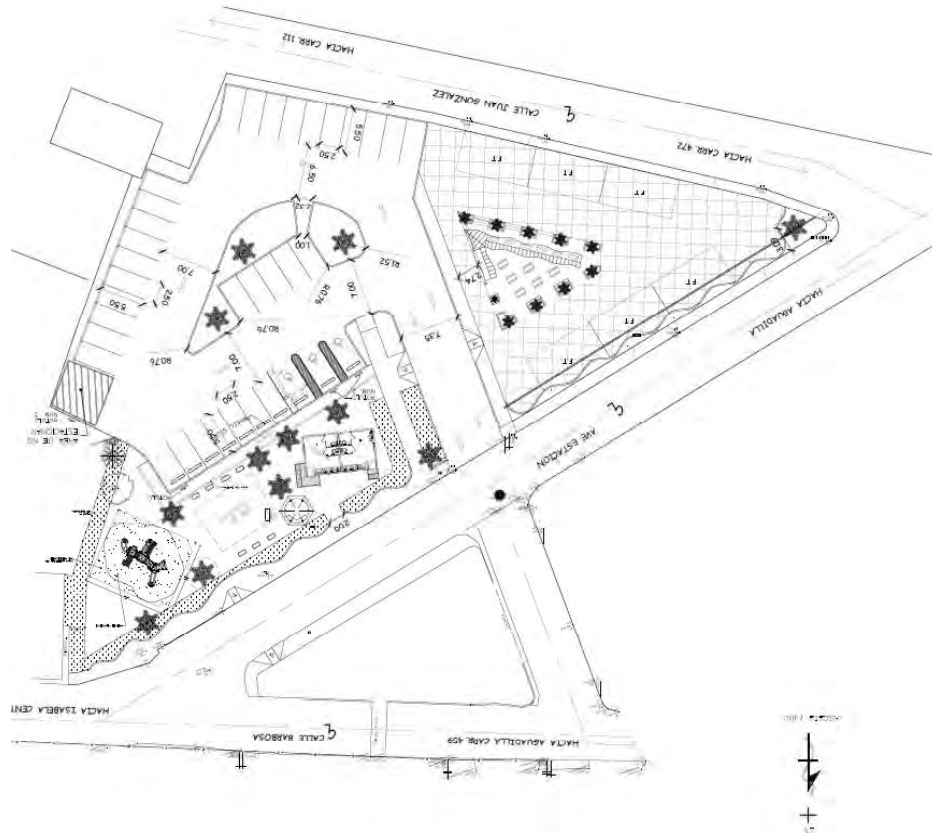
In addition, the property has an approximate elevation of 223 meters above sea level.

PROJECT DESCRIPTION

The Project consists of the development of a property that is currently used as a parking lot. A concrete plaza with planting area, pergolas and benches is proposed. In addition, it includes an area for parking lots and sidewalks. Also includes the construction of a structure to locate bathrooms. The area for the Playground is proposed in the northeast portion of the property. Includes lighting and electrical facilities and potable water.







Ingenieros del Oeste C.S.P.



EXPLANATORY MEMORIAL
GALLERY PLAZA ISABELA PR-CRP-000981

Ingenieros del Oeste C.S.P.



Attachments:

- Attachment No. 1 – U.S. Geological Survey topographic quadrangular base map
- Attachment No. 2 – Coastal Zone Map
- Attachment No. 3 – Firmette FEMA
- Attachment No. 4 - Aquifer Map
- Attachment No. 5 – Distance from natural, historic and cultural systems that are in the project surroundings.
- Attachment No. 6 – Agencies Recommendations
 - i. Connection point approved by LUMA of PR.
 - ii. Connection point approved by the Aqueduct and Sewerage Authority of PR(AAA)
- Attachment No. 7 – Complete set of drawings

Prepared by:



Date: November 14, 2023

José D. Centeno Calero PE
Professional Civil Engineer
Lic. 20206
President
Ingenieros del Oeste CSP

Ingenieros **del Oeste C.S.P.**

Application for Certification of Consistency with the Puerto Rico Coastal
Management Program

Project:
GALLERY PLAZA, ISABELA, PR
PR-CRP-000981
CDBG-DR

Attachments

Ingenieros **del Oeste C.S.P.**

Application for Certification of Consistency with the Puerto Rico Coastal
Management Program

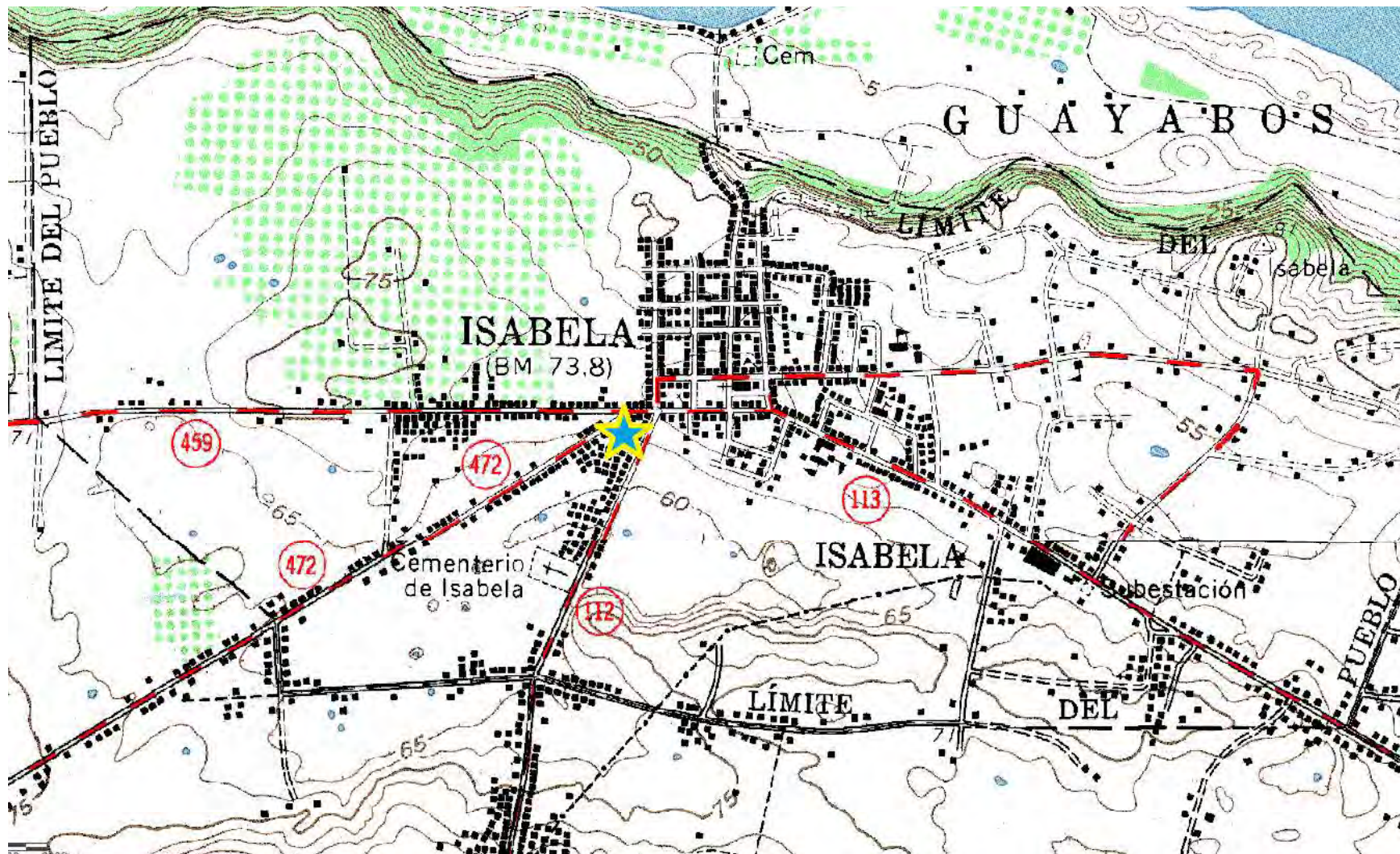
Project:
GALLERY PLAZA, ISABELA, PR
PR-CRP-000981
CDBG-DR

Attachment No. 1

U.S. Geological Survey topographic
quadrangular base map

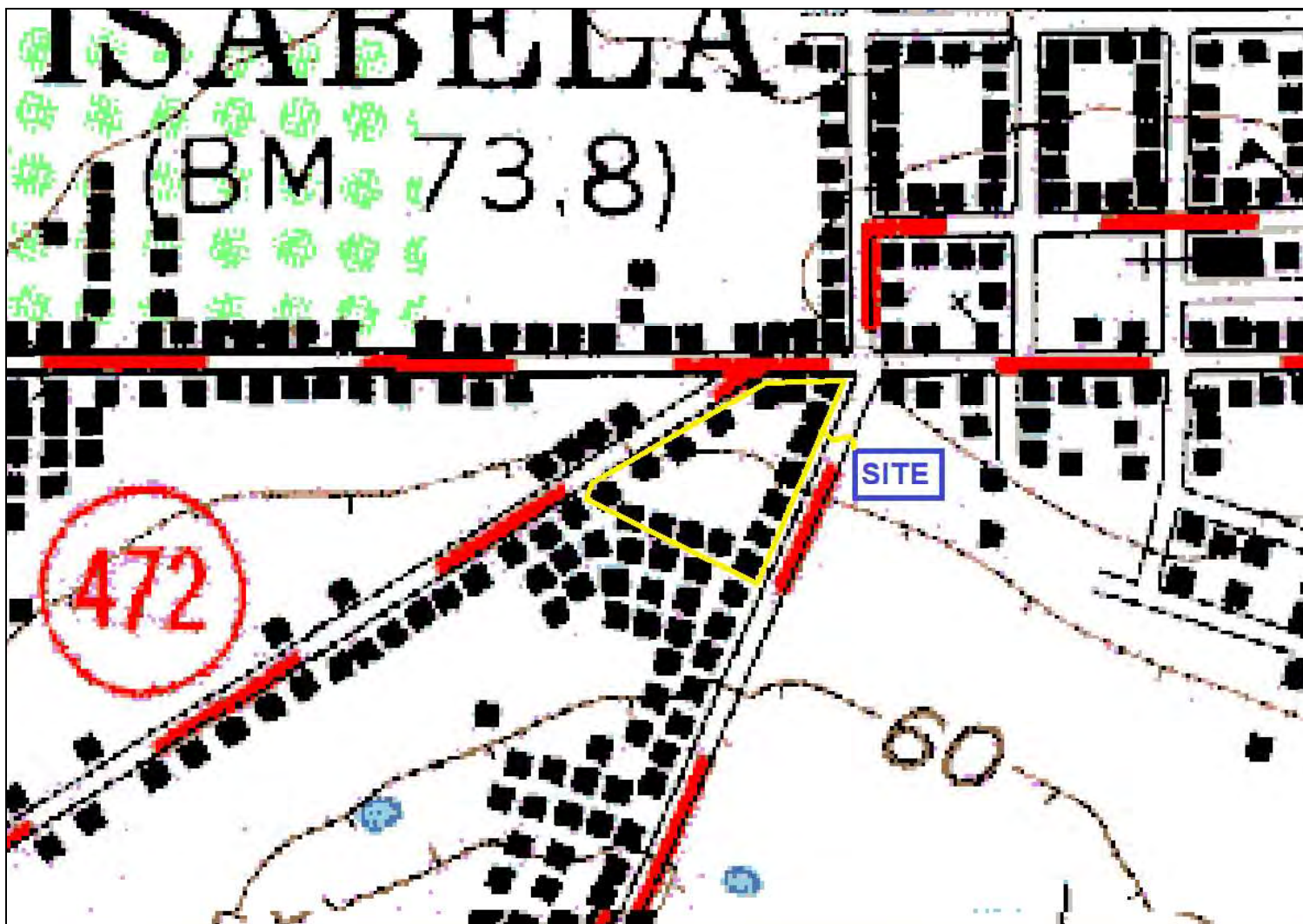
GALLERY PLAZA, ISABELA, PR-CRP-000981

TOPOGRAPHIC QUADRANGLE



GALLERY PLAZA, ISABELA, PR-CRP-000981

TOPOGRAPHIC QUADRANGLE



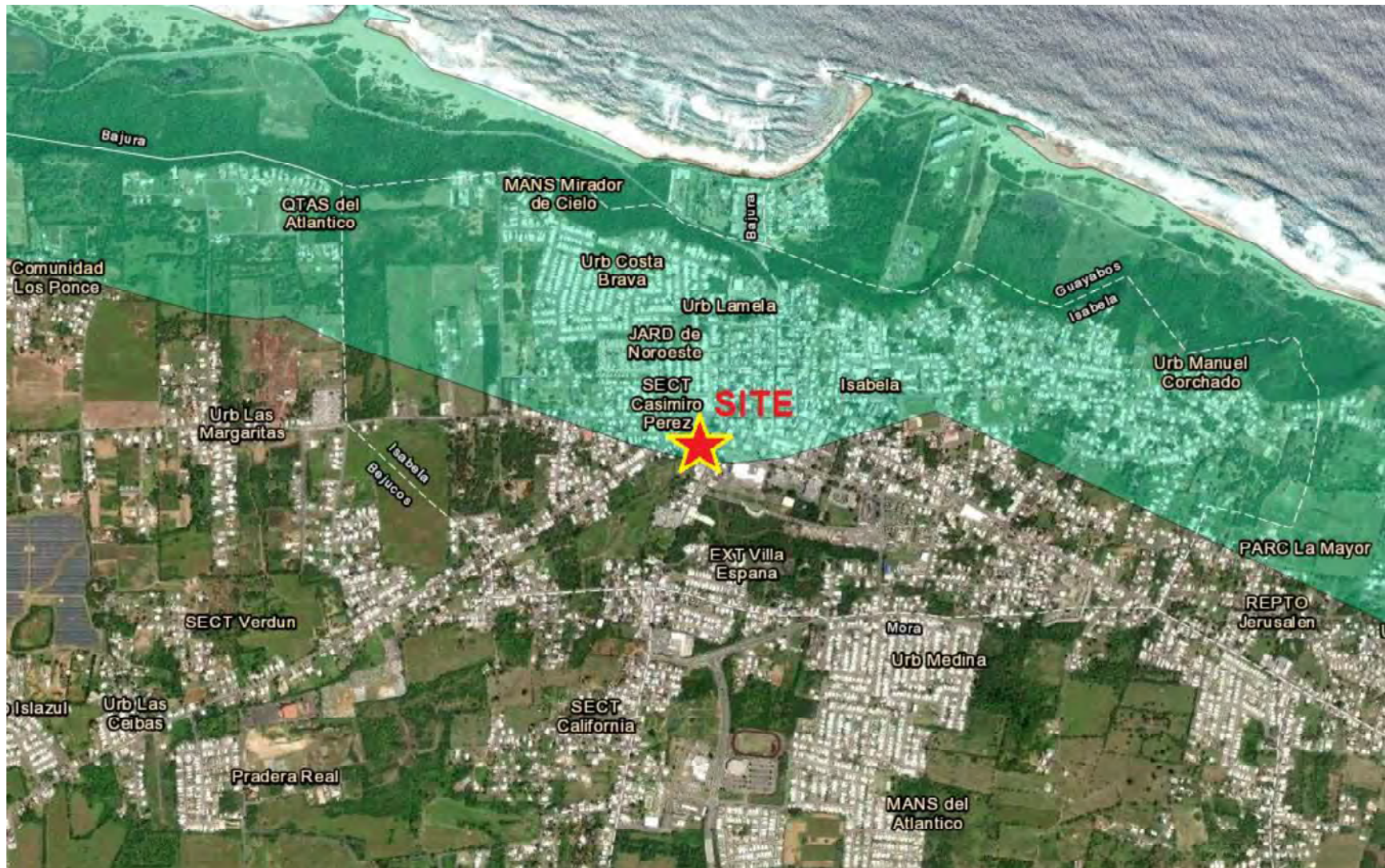
Ingenieros del Oeste C.S.P.

Application for Certification of Consistency with the Puerto Rico Coastal
Management Program

Project:
GALLERY PLAZA, ISABELA, PR
PR-CRP-000981
CDBG-DR

Attachment No. 2 Coastal Zone Map

Puerto Rico Coastal Vulnerability Viewer



GALLERY PLAZA, ISABELA, **PR-CRP-000981**

Puerto Rico Coastal Vulnerability Viewer



GALLERY PLAZA, ISABELA, **PR-CRP-000981**



GALLERY PLAZA, ISABELA, **PR-CRP-000981**

Ingenieros del Oeste C.S.P.

Application for Certification of Consistency with the Puerto Rico Coastal
Management Program

Project:
GALLERY PLAZA, ISABELA, PR
PR-CRP-000981
CDBG-DR

Attachment No. 3

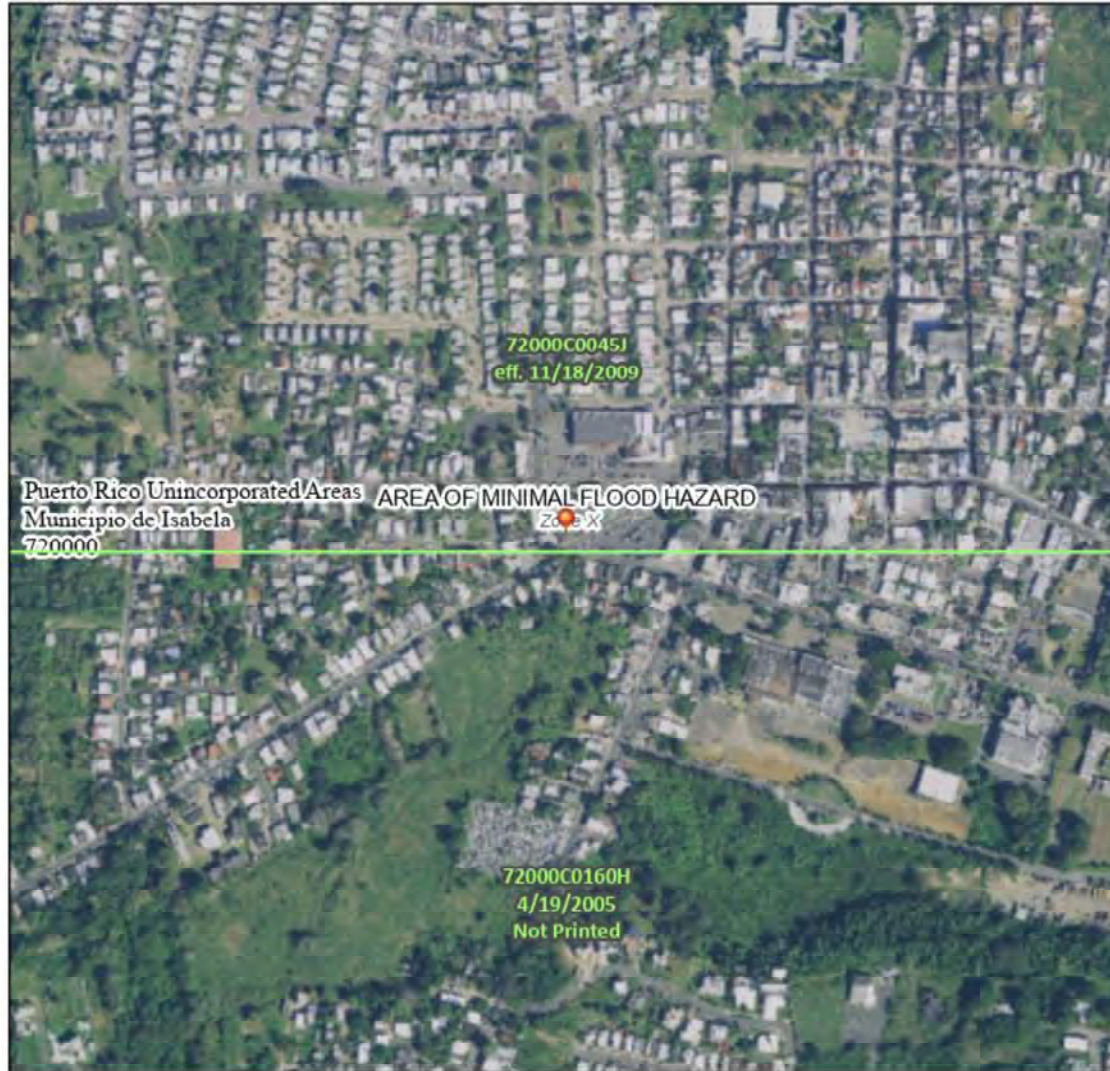
FEMA – Firmette

GALLERY PLAZA, ISABELA, PR-CRP-000981

National Flood Hazard Layer FIRMette



67°1'54"W 18°30'17"N

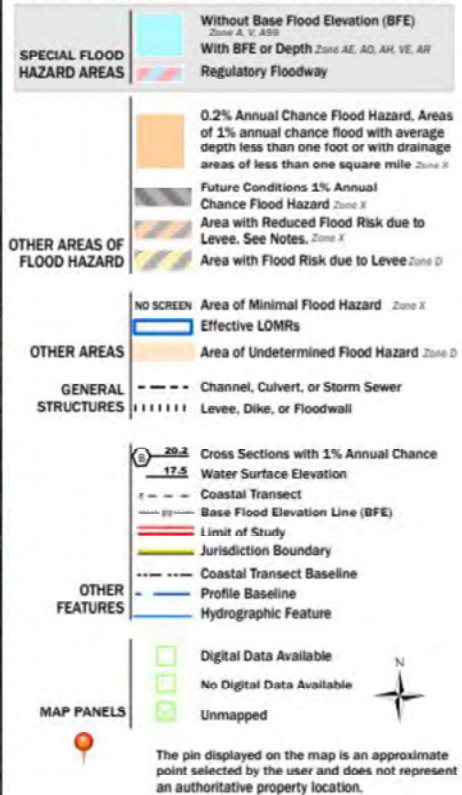


0 250 500 1,000 1,500 2,000 Feet 1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

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



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 11/13/2023 at 9:31 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.

Ingenieros del Oeste C.S.P.

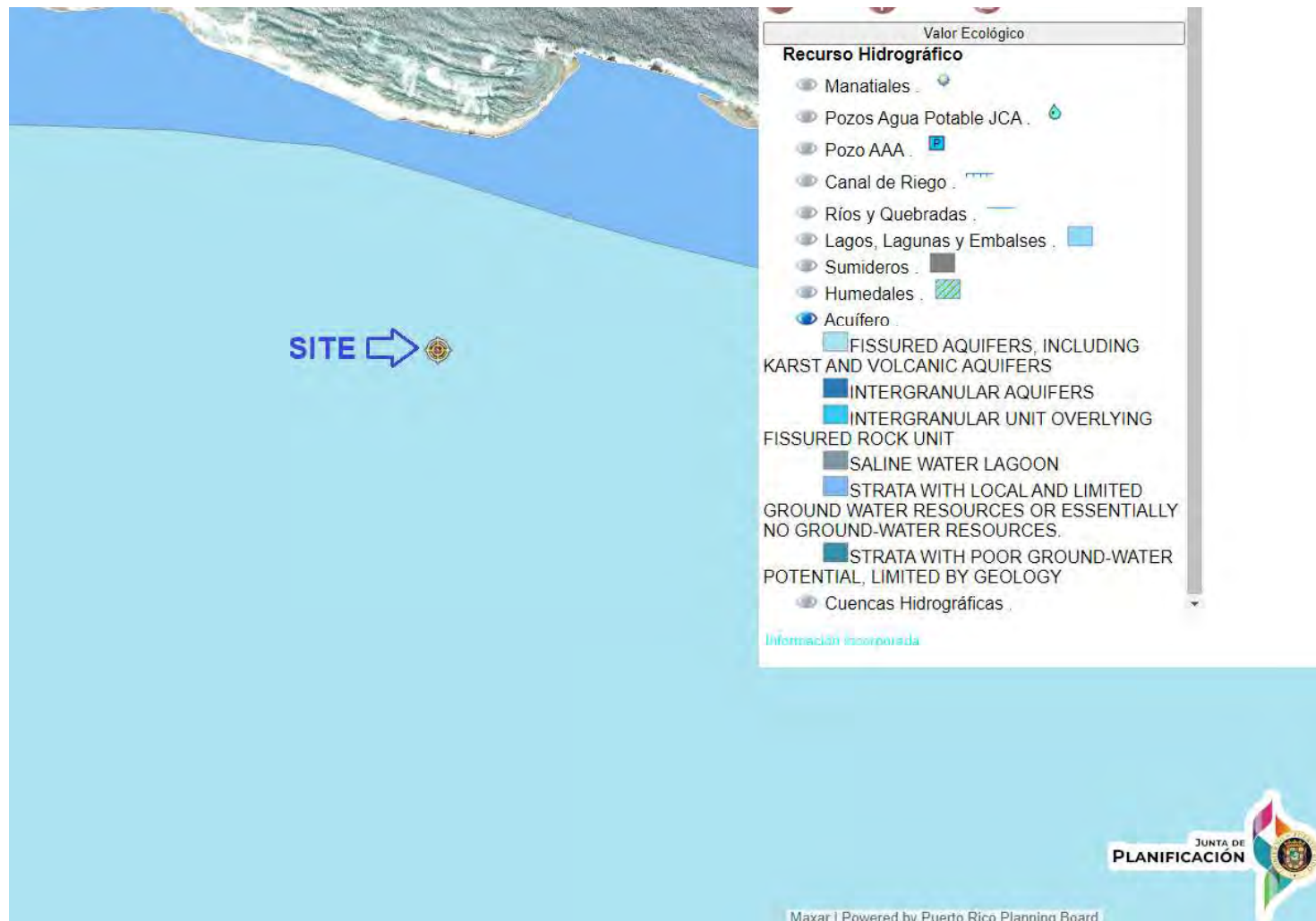
Application for Certification of Consistency with the Puerto Rico Coastal
Management Program

Project:
GALLERY PLAZA, ISABELA, PR
PR-CRP-000981
CDBG-DR

Attachment No. 4 Aquifer Map

GALLERY PLAZA, ISABELA, PR-CRP-000981

AQUIFER



Ingenieros del Oeste C.S.P.

Application for Certification of Consistency with the Puerto Rico Coastal
Management Program

Project:
GALLERY PLAZA, ISABELA, PR
PR-CRP-000981
CDBG-DR

Attachment No. 5

Distance from natural, historic, and cultural
systems that are in the project surroundings

Ingenieros **del Oeste C.S.P.**

Application for Certification of Consistency with the Puerto Rico Coastal
Management Program

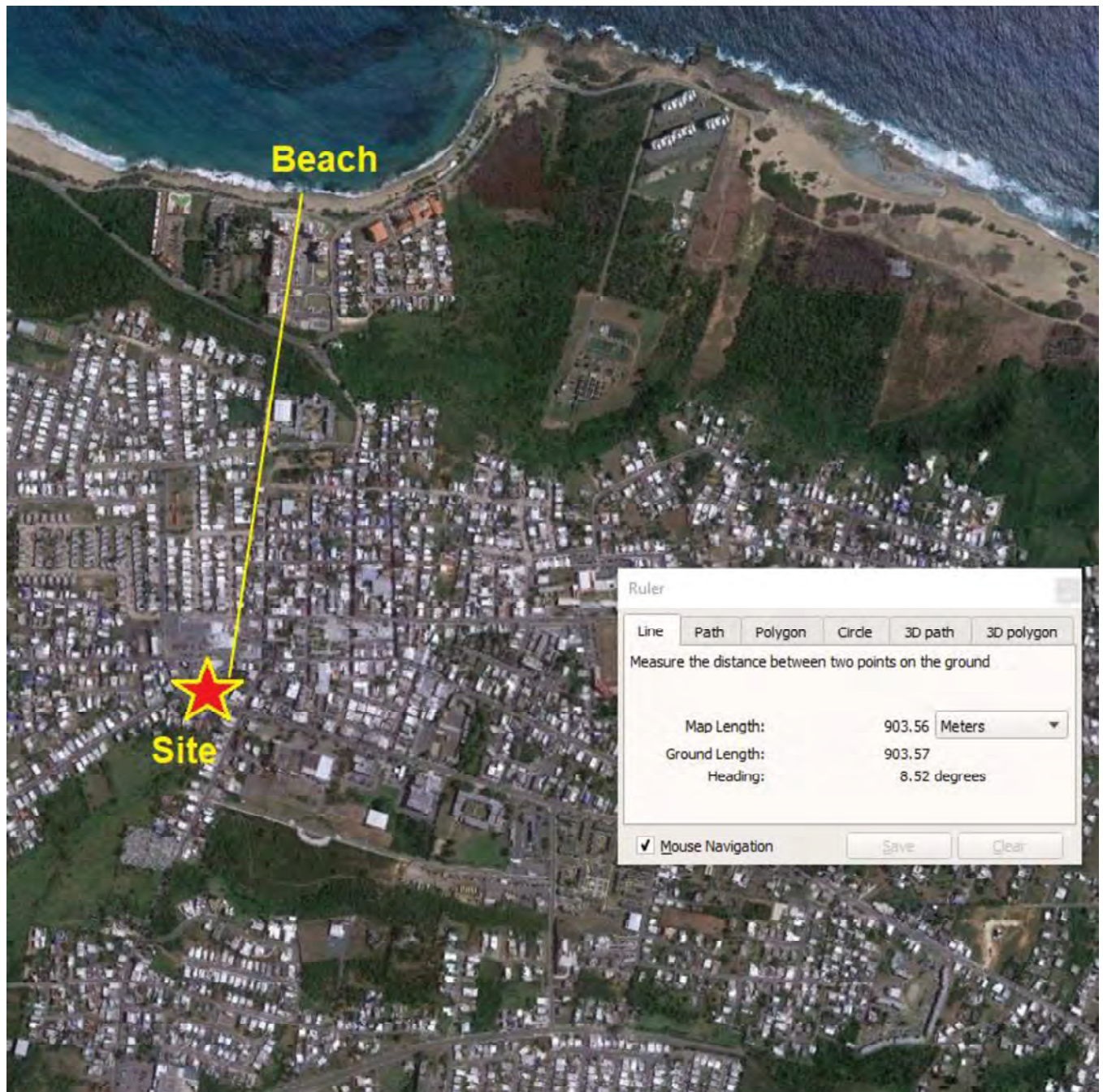
Project:
GALLERY PLAZA, ISABELA, PR
PR-CRP-000981
CDBG-DR

Natural, Historic and Cultural System in the Project Surroundings

DISTANCE FROM THE PROJECT

Line	Description	Aproximate	
		Meters	Feet
1	Beach	903.56	2963.7
2	Wetland	983.94	3227.3
3	Reef	1123.75	3685.9
4	Creek	183.29	601.2
5	Bird Nesting Area (Pelican)	non	non
6	Forest	365.31	1198.2
7	Cliff	650.58	2133.9
8	Cultural & Tourist Area	150.99	495.2

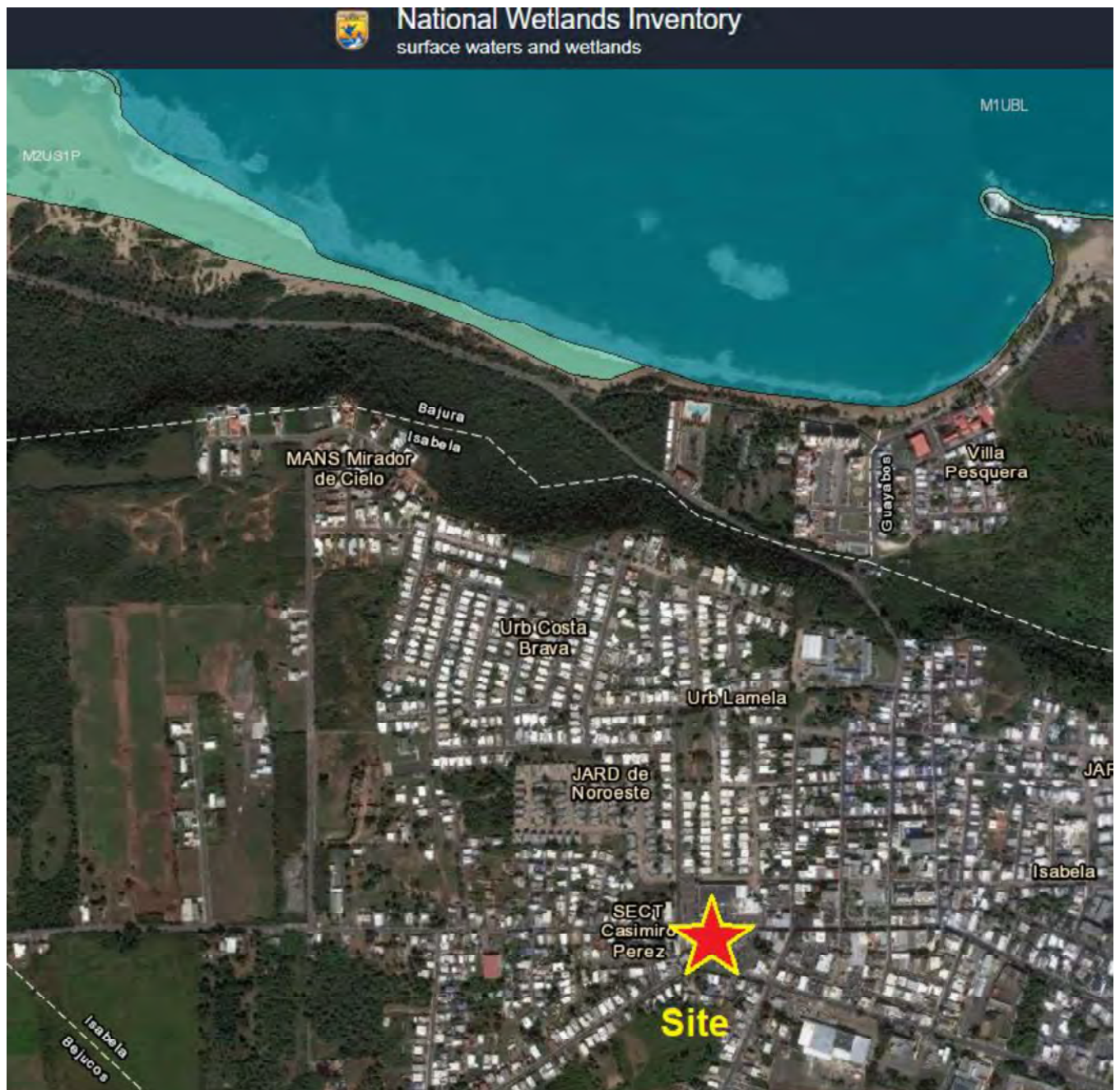
GALLERY PLAZA, ISABELA, **PR-CRP-000981**



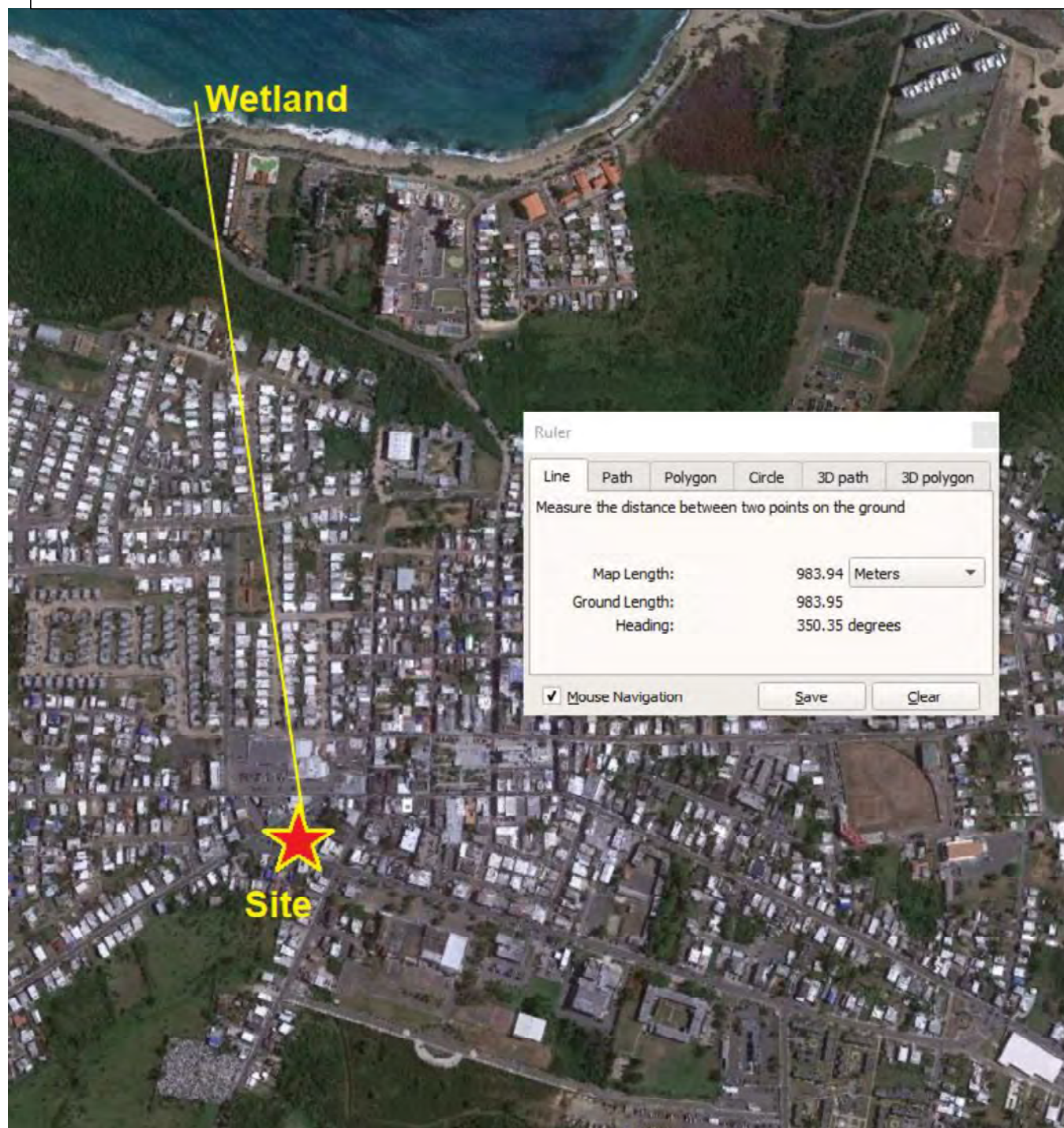
Distance from the Project to the closest Beach

903.56 meters

GALLERY PLAZA, ISABELA, PR-CRP-000981



GALLERY PLAZA, ISABELA, PR-CRP-000981



Distance from the Project to the closest Wetland

983.94 meters

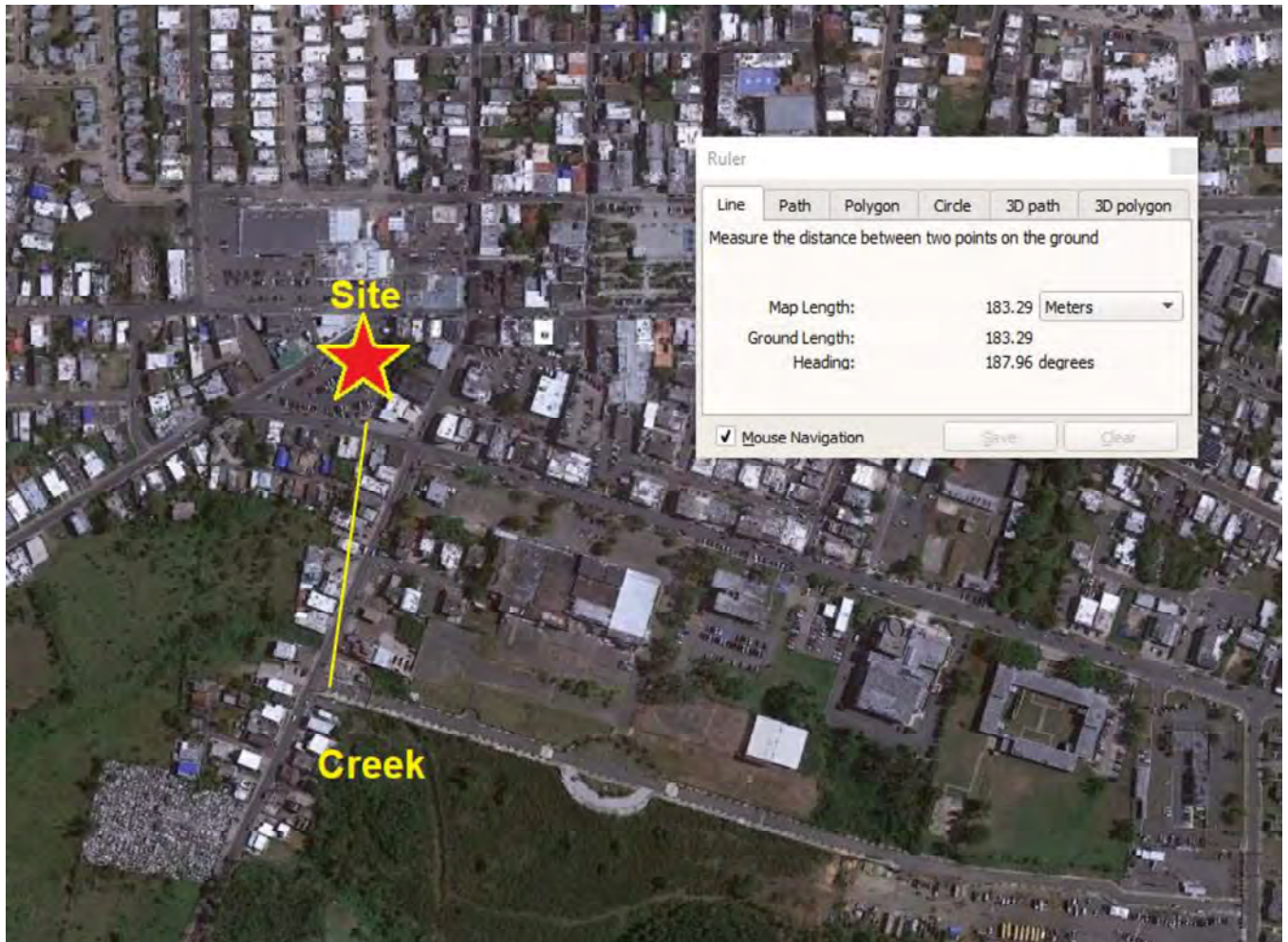
GALLERY PLAZA, ISABELA, PR-CRP-000981



Distance from the Project to the closest Reef

1,123.75 meters

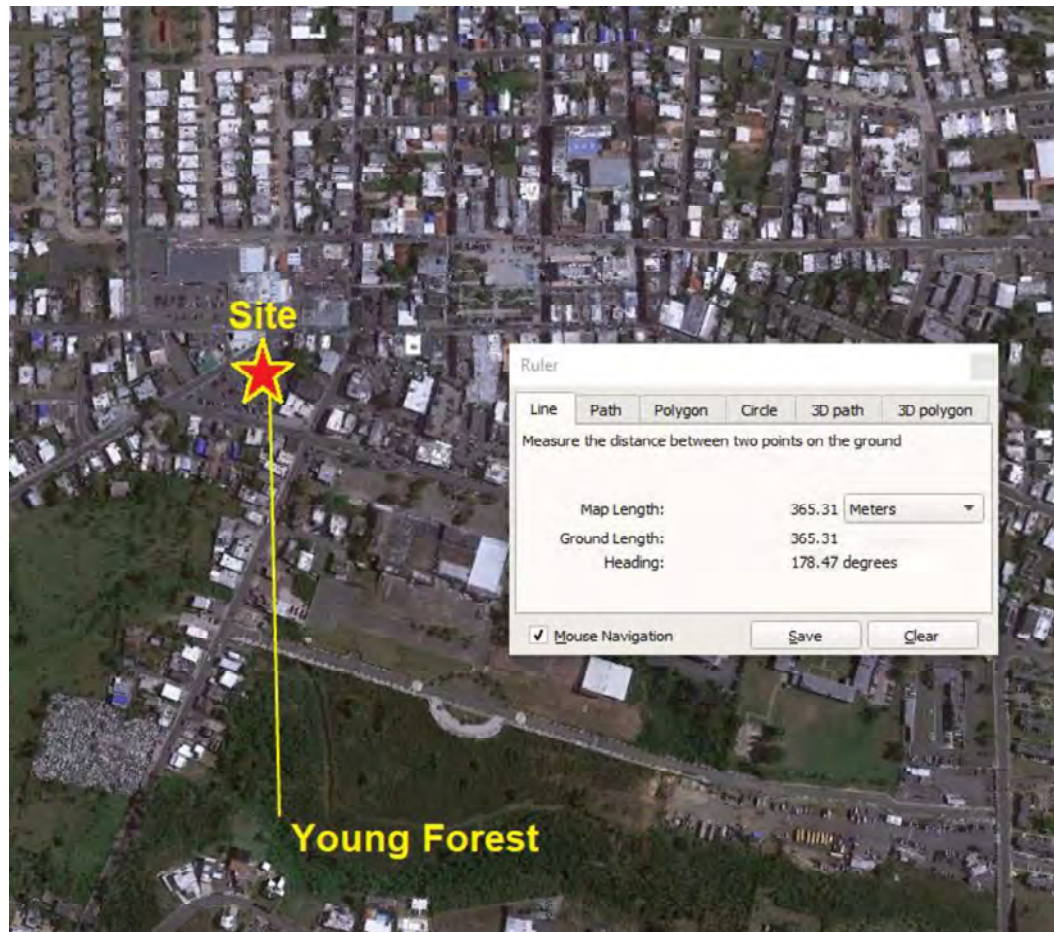
GALLERY PLAZA, ISABELA, **PR-CRP-000981**



Distance from the Project to the closest Creek
183.29 meters



GALLERY PLAZA, ISABELA, PR-CRP-000981



Distance from the Project to the closest Forest
365.31 meters



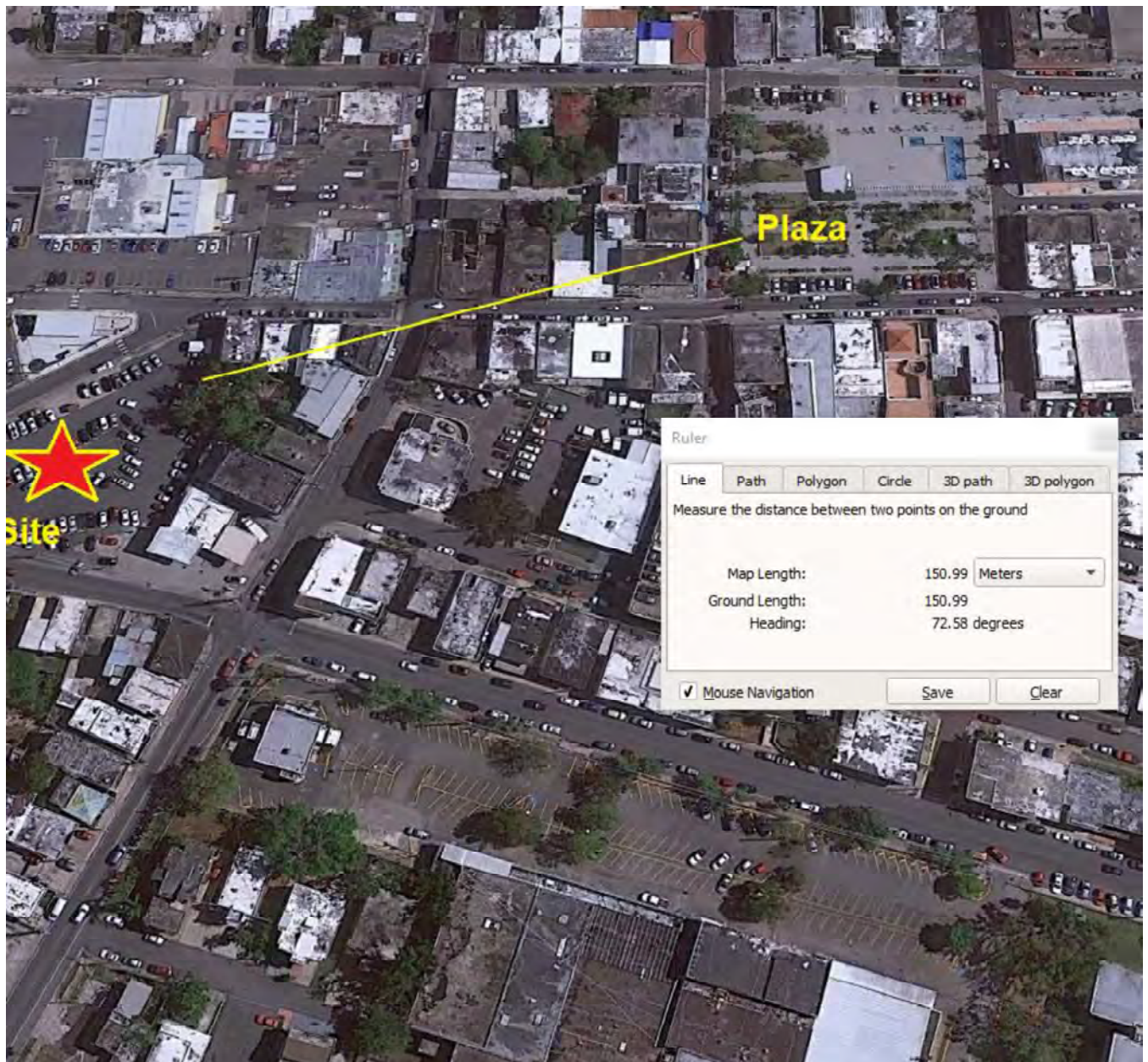
GALLERY PLAZA, ISABELA, **PR-CRP-000981**



Distance from the Project to the closest Cliff

650.58 meters

GALLERY PLAZA, ISABELA, **PR-CRP-000981**



Distance from the Project to the closest Cultural Area

150.99 meters

Ingenieros del Oeste C.S.P.

Application for Certification of Consistency with the Puerto Rico Coastal
Management Program

Project:
GALLERY PLAZA, ISABELA, PR
PR-CRP-000981
CDBG-DR

Attachment No. 6 Agencies Recommendations

Ingenieros **del Oeste C.S.P.**

Application for Certification of Consistency with the Puerto Rico Coastal
Management Program

Project:
GALLERY PLAZA, ISABELA, PR
PR-CRP-000981
CDBG-DR

Attachment No. 6 (i)

Connection point approved by LUMA
of PR

2023-506942-SRI-073856



jueves, 31 de agosto de 2023

Sr. Pedro Ramos Vélez
Gerente División Infraestructura
PO Box 41118
Santurce, PR 00940

Estimado señor Ramos:

OGPe: 2023-506942-SRI-073856
LUMA: 21-4-0136
Carga: 20 KVA
Proyecto: GALLERY PLAZA
Dirección: CARR. 472 ESQUINA JUAN GONZALEZ
Municipio: ISABELA

LUMA cómo agente operador del Sistema de Transmisión y Distribución eléctrica de la Autoridad de Energía Eléctrica (AEE) le presenta sus comentarios con relación al proyecto de referencia para Comercial.

El diseñador deberá leer y entender este informe; de haber dudas relacionadas al mismo, debe aclararlas con el Ingeniero Supervisor de la Región de **Mayagüez** antes de radicar el plano para endoso. En adición, debe analizar y estudiar este informe e incluir y conformar parte del plano las notas pertinentes que se especifican como "Incluir nota al efecto en los planos de diseño".

Incluimos nuestra evaluación del Proyecto y representación gráfica con información sobre facilidades eléctricas relacionadas al mismo:

1. El Proyecto está localizado en:
Número de Catastro: 003-096-053-02
Centroide del proyecto:
Coordenadas proyección en metros +Este +Norte (137451.58, 273911.20).
Coordenadas Geográficas Latitud y Longitud (18.500200, -67.025631)
2. El Punto de Conexión está localizado en:
Coordenadas proyección en metros +Este +Norte (137439.47, 273881.24).
Coordenadas Geográficas Latitud y Longitud (18.499928, -67.025745)
LUMA/PREPA FID 13626488.
3. El Proyecto se conectará al Punto de Conexión indicado en el plano que se incluye.
4. Deberá presentar plano de diseño para endoso y la Certificación de Planos de Construcción Eléctrica para la distribución eléctrica correspondiente, acompañados por la Estampilla Digital Especial, y firmados digitalmente. Estos deberán ser radicados mediante el Portal Único de Negocios (SBP por sus siglas en inglés) de la Oficina de Gerencia de Permisos (OGPe). (Ver Comunicado Técnico 18-01 y 17-01); y deberán cumplir con los siguientes reglamentos, directrices, comunicados e información técnica específica que se presenta a continuación:
 - a. Asegurarse que el diseño propuesto cumpla con el "Reglamento conjunto para la evaluación y expedición de permisos relacionados al desarrollo, uso de terrenos y operación de negocios" del 7 de junio de 2019, los NUEVOS patrones de Construcción de LUMA y los siguientes Comunicados Técnicos AEE:
 - i. 07-02 "Pruebas a cables soterrados nuevos y sus accesorios en proyectos privados" del 29 de junio de 2007.

- ii. 12-01: Política Pública para la Construcción de Sistemas Eléctricos.
 - iii. Los Criterios de Diseño para Sistemas Eléctricos Aéreos de Transmisión y Distribución deben ser tomando en consideración una velocidad probable de viento de 160 mph.
 - iv. 13-03: Bases de Hormigón para Postes de Líneas Eléctricas.
 - v. 14-03: Equipos con Aislación en Goma de Silicón.
 - vi. 15-02: Postes para Sistemas de Distribución Eléctrica Primaria.
 - vii. 15-03: Revisión de Parámetros para Transformadores según Reglamentación del Departamento de Energía Federal (DOE).
- b. En el sector existen líneas eléctricas **aéreas trifásica** con 4 conductores calibre número **556 ACSR** a un voltaje de **7.62/13.2 kV** y líneas eléctricas **aéreas trifásica** con 4 conductores calibre número **556 ACSR** a un voltaje de **2.4/4.16 kV**.
- c. El voltaje de alimentación para el Proyecto será de **120/240V** del alimentador 7503-02.
- d. El diseño será **semi-soterrado**.
- e. Será responsabilidad del diseñador del Proyecto indicar la localización exacta de este, ilustrar las líneas eléctricas existentes y de ser necesario, coordinar la reubicación de líneas eléctricas.
- f. Deberá incluir en los planos de diseño las coordenadas Lambert correspondientes a la ubicación del Proyecto, en versión del North American Datum (NAD 83) y la unidad de medidas en metros [Refiérase al inciso 1 de este informe]; estas coordenadas deberán aparecer impresas en el plano de localización a ser radicado para revisión y eventual endoso, en una escala de 1:10,000 o 1:20,000. Incluir planos en formato .DWG o .DXF, **el mismo deberá estar georeferenciado**.
- g. Esta evaluación del Punto de Conexión no constituye una revisión del plano de diseño. El diseñador es responsable de cumplir con los códigos, reglamentos, manuales, estándares y normas aplicables vigentes para los sistemas eléctricos en Puerto Rico. Además, deberá cumplir con los reglamentos de ordenación de la infraestructura en el espacio público (Reglamento de Planificación Número 22), según exige la Oficina de Gerencia de Permisos (OGPe). Los sistemas de distribución y transmisión a desarrollarse en estas zonas deberán seguir las guías establecidas por este reglamento. Incluir nota al efecto en los planos de diseño.
- h. El dueño del proyecto o su representante deberá notificarle a la Oficina de Ingeniería de Distribución de la Región correspondiente el comienzo de la obra posterior al endoso de los planos y previo al inicio de los trabajos eléctricos del proyecto para la requerida inspección, aprobación y coordinación necesaria. Incluir nota al efecto en los planos de diseño.
5. Para servir el Proyecto, el proponente será responsable de lo siguiente. Incluir notas al efecto en los planos de diseño:
- a. Extender la toma secundaria requerida desde el Punto de Conexión donde se construirá el bajante ("riser") hasta la base de contadores del proyecto.
 - b. Obtener y gestionar todos los endosos de las agencias reguladoras pertinentes tales como:
 - i. Departamento de Recursos Naturales y Ambientales (DRNA) - Declaración de Impacto Ambiental (DIA),
 - ii. Instituto de Cultura Puertorriqueña - División de Permisos Arqueológicos,
 - iii. Cuerpo de Ingenieros de Estados Unidos,
 - iv. Departamento de Transportación y Obras Públicas Estatal o Municipal,
 - v. Junta de Planificación,
 - vi. Oficina de Gerencia y Permisos (OGPe),
 - vii. Otras agencias gubernamentales, federales y privadas requeridos para el desarrollo del proyecto.

6. Para servir el Proyecto, LUMA realizará los siguientes trabajos con cargos al dueño. Incluir notas al efecto en los planos de diseño:
 - a. Instalará un transformador de 25 kVA en el Punto de Conexión.
 - b. Cualquier trabajo adicional, incluyendo el punto de conexión, será pagado por el dueño.
7. Este Proyecto podría estar afectado por líneas eléctricas, por tanto:
 - a. El dueño del proyecto es responsable de cumplir con los requisitos establecidos en el Reglamento de Servidumbres para la Autoridad de Energía Eléctrica. Toda nueva servidumbre para constituirse para líneas y equipos eléctricos debe cumplir con los requisitos establecidos en el Apéndice B del Reglamento. De igual forma, con los requisitos relacionados a las servidumbres asociadas a instalaciones eléctricas existentes en el área del proyecto.
 - b. El proyecto está afectado por líneas de distribución primarias y/o secundarias, y tensores. Estas ocupan una franja de servidumbre de 10 pies de ancho a lo largo de las líneas en el caso de líneas aéreas y 5 pies de ancho en caso de líneas soterradas.
 - c. Cualquier trabajo necesario de reubicación de líneas eléctricas energizadas, será realizado por LUMA con cargos al Dueño y deberá coordinarse con el Gerente de Distrito correspondiente. Además, se prohíbe la realización de cualquier tipo de trabajo en las franjas de servidumbre de paso eléctricas sin la autorización escrita de LUMA. LUMA no aprobará la conexión de Proyectos con condiciones de invasión de servidumbres o que no cumplan con los despejos de seguridad requeridos.
 - d. Para Constituir la Servidumbre de Paso de las líneas existentes dentro de los límites del proyecto, deberá someter plano certificado por un agrimensor o ingeniero licenciado autorizado a ejercer la profesión de la agrimensura en Puerto Rico (RPA), ilustrando las mismas en su ubicación exacta para endoso (cuatro copias en papel y una digital en formato .PDF). Incluir leyenda describiendo la servidumbre y la tabla de mensura de la servidumbre.
 - e. Deberá localizar las líneas y estructuras eléctricas de transmisión y distribución a instrumento de agrimensura preciso y calibrado, y respetar las servidumbres de paso de aquellas que pasen por el Proyecto. En caso de la construcción de nuevas líneas eléctricas que requieran servidumbre deberá incluir en el plano de diseño la ubicación exacta, su ancho y una leyenda que describa la misma en conjunto con la tabla de mensura certificada por un agrimensor o ingeniero licenciado autorizado a ejercer la profesión de la agrimensura en Puerto Rico (RPA) (Secc. IV, Art. C – 1j del Reglamento de Servidumbres). En adición, deberá indicar claramente los límites del Proyecto, colindantes y propietarios afectados. El Dueño es responsable de cumplir con los requisitos establecidos en el Reglamento de Servidumbres para la Autoridad de Energía Eléctrica, con relación a las nuevas servidumbres a constituirse como parte del Proyecto y a las servidumbres asociadas a instalaciones eléctricas existentes en el área del Proyecto.
8. El Proyecto debe cumplir con el Reglamento Complementario al Código Eléctrico Nacional, Sección IV. Artículo C y D en su totalidad, "Toma de Servicio Soterrada" y con el Comunicado Técnico 12-01 "Política Pública para la Construcción de Sistemas Eléctricos".

Se permitirá como punto de entrega una columna de hormigón conteniendo el contador (véase Manual de Normas de Distribución Urbana). La columna estará ubicada dentro del terreno del solicitante en la colindancia frontal y podrá formar parte de la verja si ésta cumple con las disposiciones del Manual de Normas de Distribución Urbana. El frente del contador deberá quedar en dirección a la calle. La columna deberá cumplir con los despejos mínimos requeridos por el Código Eléctrico Nacional de Seguridad.

Para tomas aéreas, deberá solicitar una dispensa a la Oficina de Ingeniería de Distribución de la Región de Mayagüez. De aprobarse esta excepción, la toma no excederá de un largo de cincuenta (50) pies desde el poste al soporte de la Columna.

9. Incluimos como parte de esta evaluación, un croquis con información gráfica sobre facilidades eléctricas.
10. Cualquier duda sobre esta evaluación y su contenido, puede comunicarse a nuestra oficina al correo electrónico ingenieria.distribucionMayaguez@lumapr.com y al número telefónico (787) 521-0930.
11. Esta evaluación caduca al año (1 año) de la fecha de emisión, y cancela y sustituye cualquier otra realizada previamente.

Cordialmente,

Ing. Emanuel Valentín Esteves,
Ingeniero II
Ingeniería de Distribución
Región Mayagüez

jpg



Coordenadas:

Proyecto:

Localización:

Luma Número:

Carga:

Caso OGPe:

Ingenieros **del Oeste C.S.P.**

Application for Certification of Consistency with the Puerto Rico Coastal
Management Program

Project:
GALLERY PLAZA, ISABELA, PR
PR-CRP-000981
CDBG-DR

Attachment No. 6 (ii)

Connection point approved by the
Aqueduct and Sewerage Authority of
PR(AAA)

2023-506942-SRI-073851



GOBIERNO DE PUERTO RICO

AUTORIDAD DE ACUEDUCTOS Y ALCANTARILLADOS | INFRAESTRUCTURA | PROYECTOS PÚBLICOS Y PRIVADOS OESTE

29 de agosto de 2023

Lic. Félix Rivera Torres
Secretario Auxiliar
Oficina de Gerencia de Permisos (OGPe)
PO BOX 41179
San Juan, Puerto Rico 00940-1179

Estimado licenciado Rivera:

**AAA-RO-21-37-0018 – ISABELA – ISABELA FOOD TRUCK PLAZA
PROPIEDAD DEL MUNICIPIO DE ISABELA (9 UNIDADES EQUIVALENTES)
CARRETERA PR472 INTERSECCION CON CALLE JUAN GONZALEZ
OGPe 2023-506942-SRI-073851
(EXTENSION DE VIGENCIA)**

Nos referimos al proyecto de epígrafe, sometido ante nuestra consideración por, para que esta Autoridad evalúe el otorgar la extensión de vigencia a la carta de aprobación de Planos del proyecto en asunto. De acuerdo datos suministrados el proyecto consiste en la construcción "Food trucks", jardines, baños, bancos, mesas y área para juegos.

Deseamos informarle que esta Autoridad extiende la vigencia a la carta de aprobación de planos con fecha del 31 de agosto de 2021 un año adicional a partir de la fecha de esta comunicación.

Deberá someter un Plano Revisado, a través de la Oficina de Gerencia de Permisos, para actualizar las conexiones de acueductos y alcantarillado a nuestro sistema.

Cordialmente,

Ing. Iris Jusino Nazario, P.E.
Gerente Técnico
Proyectos Públicos y Privados

cc: Archivo de Lectura, Proponente, Expediente, OGPe

Ingenieros **del Oeste C.S.P.**

Application for Certification of Consistency with the Puerto Rico Coastal
Management Program

Project:
GALLERY PLAZA, ISABELA, PR
PR-CRP-000981
CDBG-DR

Attachment No. 7

Complete Set of Drawings

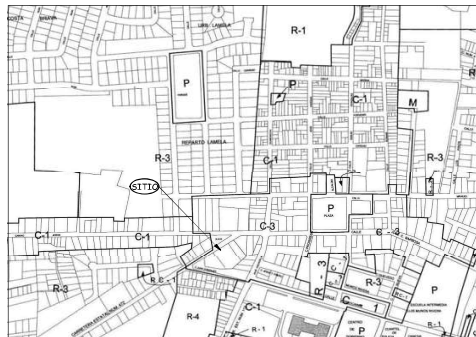
PLANO PARA LA CONSTRUCCIÓN ISABELA GALLERY PLAZA

Carr PR. 472 Interseccion Calle Juan Gonzalez
Bo. Pueblo, Isabela.



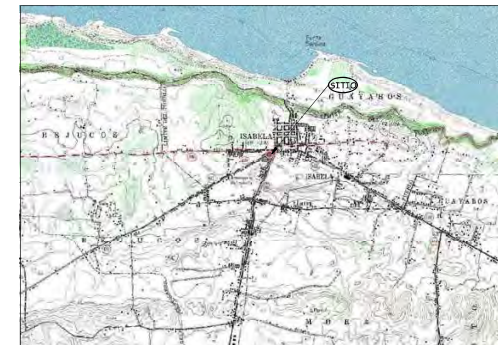
MAPA JUNTA PLANIFICACION

FOTO AEREA JP



MAPA CALIFICACION

ESCALA 1/2,000



PLANO DE LOCALIZACION

COORDENADAS LAMBERT NAD B3 X=137,451.7378 Y=273,911.5271 ESCALA 1/20,000

INDICE

1	T-1	TITULO
2	SI-1	SITE PLAN AS BUILT
3	SI-2	DEMOLICION SITE
4	SI-3	SITE PLAN PROPUESTO
5	SI-4	PERFILES EXISTENTES & PROPUESTOS
6	SI-5	GEOMETRIA (SITE)
7	SI-6	PLANO DE NIVELES (SITE)
8	SI-7	DETALLES DE CONSTRUCCIÓN (SITE)
9	SI-8	ROTULACION & MARCADO DE PAVIMENTO
10	SI-9	SIEMBRA
11	SI-10	"BLOW-UP" PLAZA
12	SI-11	"BLOW-UP" ESTACIONAMIENTO
13	SI-12	DETALLES DE JARDINERAS & ESTACIONAMIENTO
14	A-1	PERGOLAS & ELEVACIONES
15	A-2	DETALLES DE PISO & BANCOS
16	A-3	ARQUITECTONICA DE BAÑOS

17	A-4	SECCIONES DE BAÑOS
18	ES-1	NOTAS ESTRUCTURALES
19	ES-2	CIMENTOS
20	ES-4	ESTRUCTURAL
21	D-1	DESAGUES
22	PL-1	SITE ACUEDUCTOS
23	PL-1	DETALLES PLOMERIA
24	PL-3	SITE POTABLE
25	PL-3	DISTRIBUCION PLOMERIA
26	PL-3	DETALLES DE PLOMERIA
27	PL-3	SITE SANITARIO
28	DC-1	DETALLES SANITARIOS
29	EL-1	SITE ELECTRICO
30	EL-2	DIAGRAMA & NOTAS GENERALES
31	EL-3	DISTRIBUCION ELECTRICA

DISEÑADO POR:
ING. JOSE D. CENTENO
PO BOX 4448
AGUADILLA, PR. 00605
TEL (787) 891-8256

CATASTRO - 003-096-053-02

AREA DE USO PUBLICO

DUEÑO: MUNICIPIO DE ISABELA
PO. BOX 507
ISABELA, PR. 00662

FECHA: 11 Oct 2023

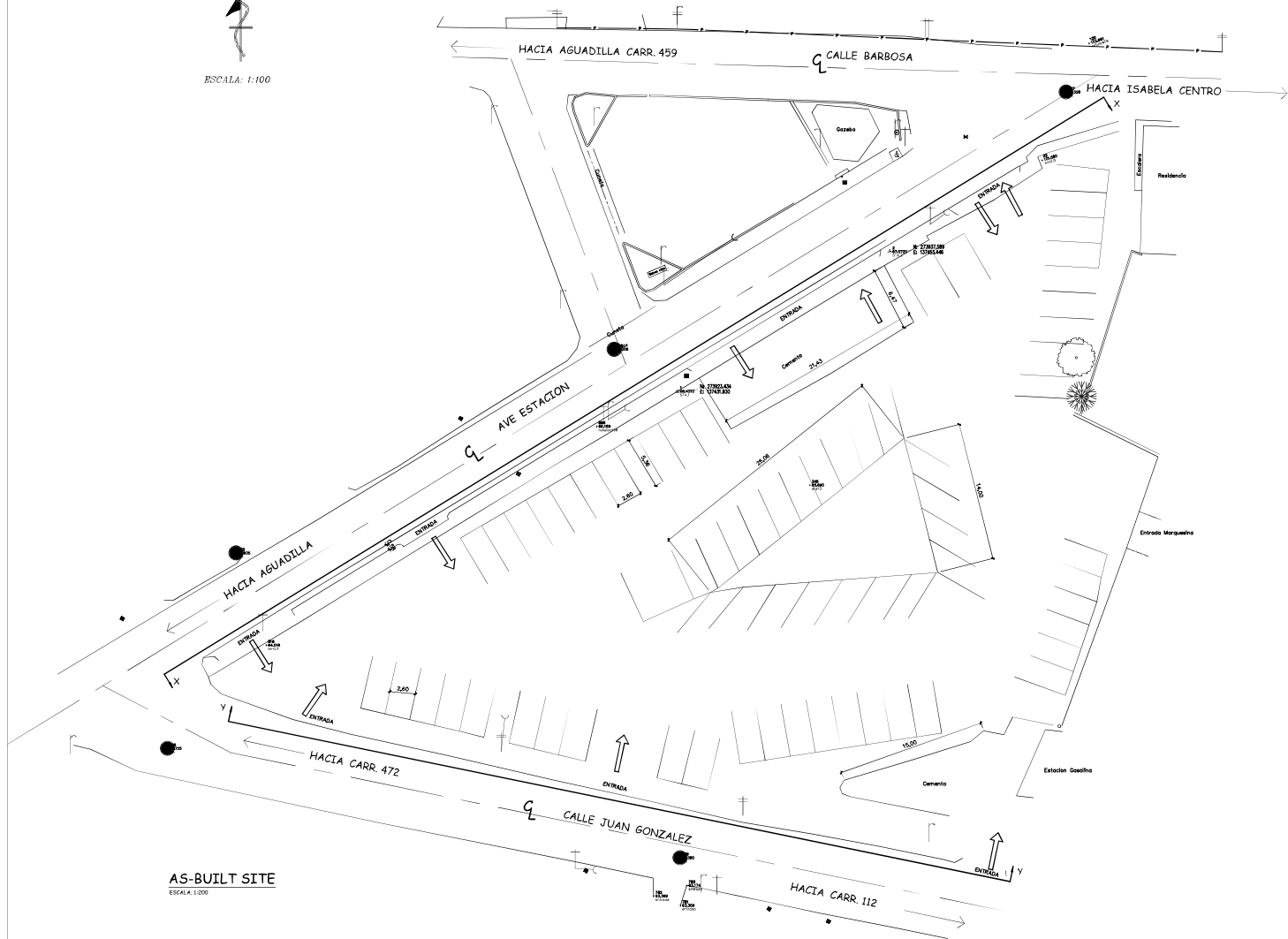


PR-CRP-000981

Ingenieros del Oeste C.S.P.

Calle José de Diego #65, Aguadilla
PO BOX 4448 Aguadilla, P.R. 00605
Tel/Fax: 787 891-8256
ingenierosdeloestecsp@gmail.com

YO, JOSÉ D. CENTENO CALERO, INGENIERO CIVIL LIC. #20206, CERTIFICO QUE SOY EL PROFESIONAL QUE CONFECCIONÓ Y/O DISEÑÓ Y/O PREPARÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTiendo QUE DICHO PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APPLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APPLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCION. 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 O DISCIPLINARIA POR LA OGPFE.



AS-BUILT SITE
ESCALA: 1:100



Ing. JOSÉ D. CENTENO CALERO
CALLE CALERA
PO BOX 448
AGUADILLA, PR 00605
TEL: 787-891-8256

Gallery Plaza
Ave. Estacion Esq. Juan Gonzalez
Bo. Pueblo, ISABELA, PR

ST-1
2
31

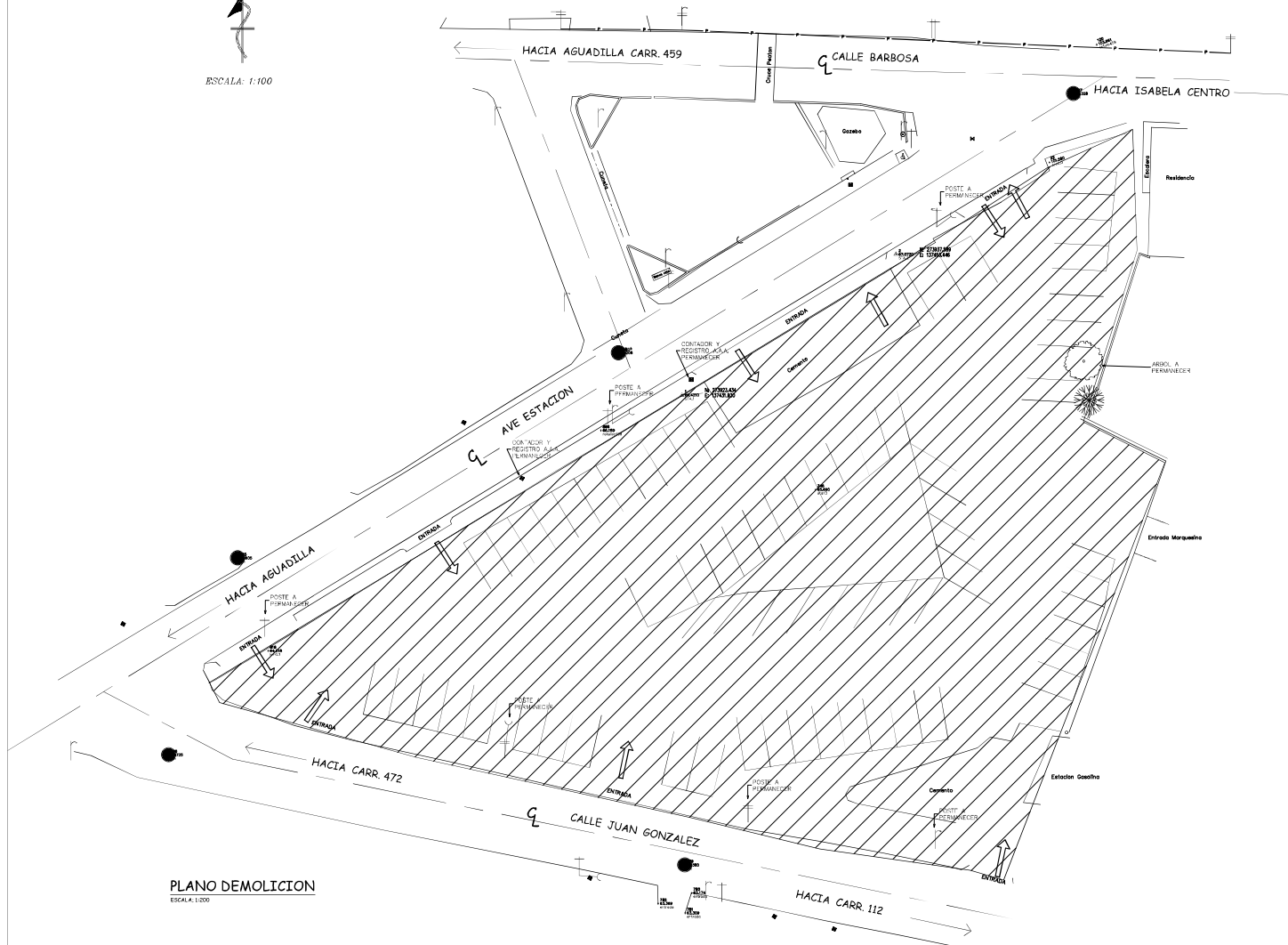
11 Oct 2023
1:200

DEBUTADO POR:

PR-CRP-000981



ESCALA: 1:100



PLANO DEMOLICION
ESCALA: 1:100



LEYENDA

- AREA A DEMOLIR
- POSTE HORMON
- POSTE HORMON CON TRANSFORMADOR
- POSTE DE MADERA CON LUMINARIA
- POSTE DE MADERA
- POSTE HORMON CON LUMINARIA
- TENSOR
- PEDESTAL ELECTRICO
- REGISTRO SANITARIO
- CONTADOR A.A.A.
- VALVULA A.A.A.
- MANHOLE

Ing. JOSÉ D. CENTENO CALERO
CALLE BARBOSA
PO BOX 448
AGUADILLA, PR 00605
TEL: 787-891-8256

JOSE D. CENTENO CALERO
INGENIERO
PUERTO RICO
LIC. #200206

Gallery Plaza
Carr. PR 459
Bo. Pueblo, ISABELA, PR

ST-2
11 Oct 2023
1:200

31
31

DEBUCADO POR:

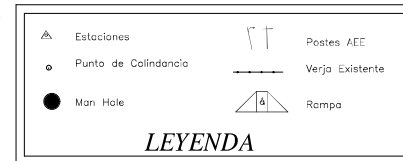
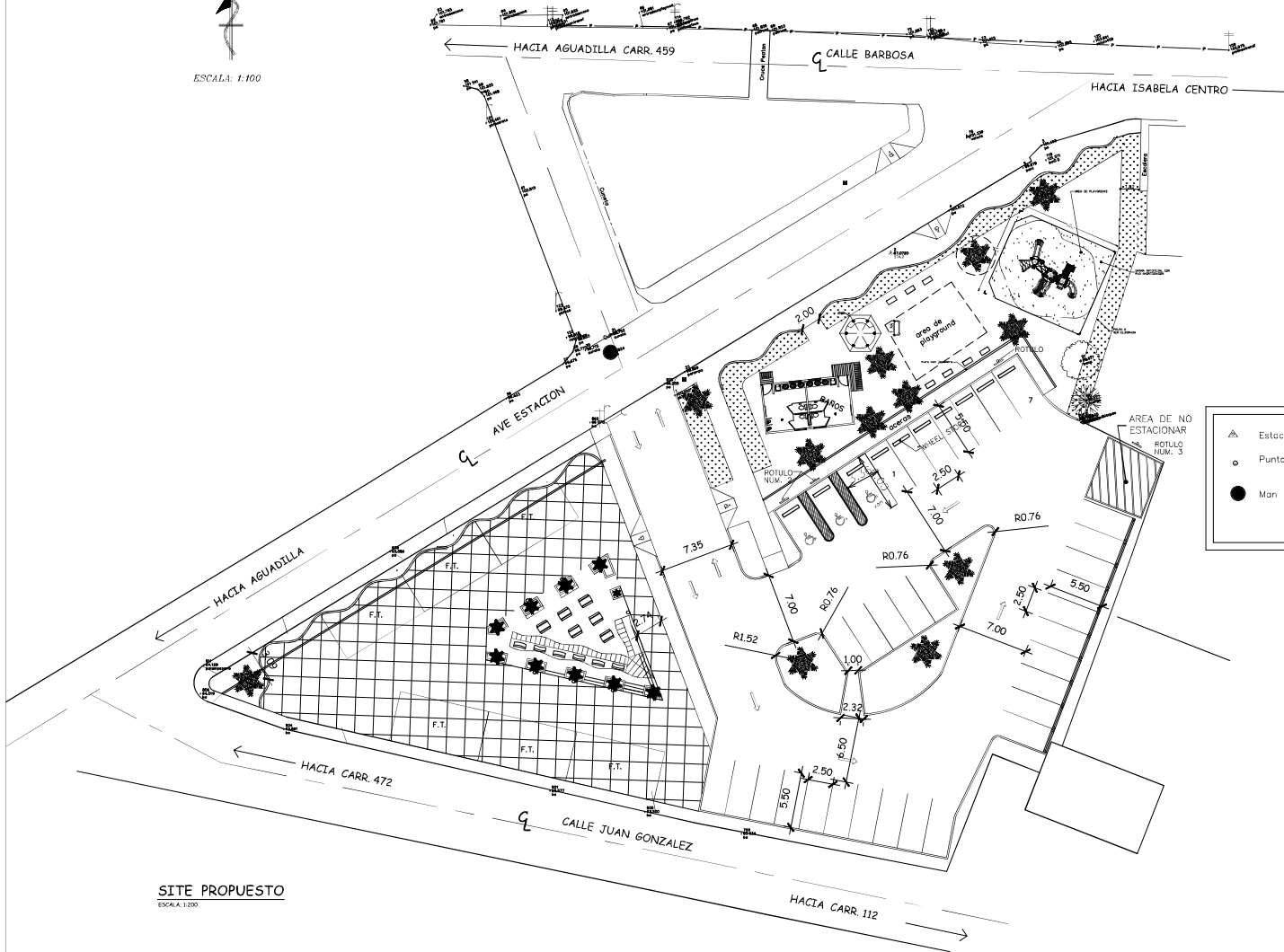
PR-CRP-000981

SITE PROPUESTO

AREA PARA ESTACIONAR "FOOD TRUCKS" Y CONSTRUCCION DE
BAÑOS CON AREA DE ESTACIONAMIENTOS,
Radicado en la Ave Estacion esq. Juan Gonzalez,
Bo. PUEBLO, ISABELA, PR



ESCALA: 1:100



SITE PROPUESTO
ESCALA: 1:200

NOTA:
TODAS LAS ACERAS EN EL PERIMETRO Y
EN EL INTERIOR SERAN NUEVAS.

Ing. JOSÉ D. CENTENO CALERO
CALLE BARBOSA
PO BOX 448
AGUADILLA, PR 00605
TEL. 787-691-8256

INGENIERO
ESPECIALIZADO
C.R. #20206
PUERTO RICO

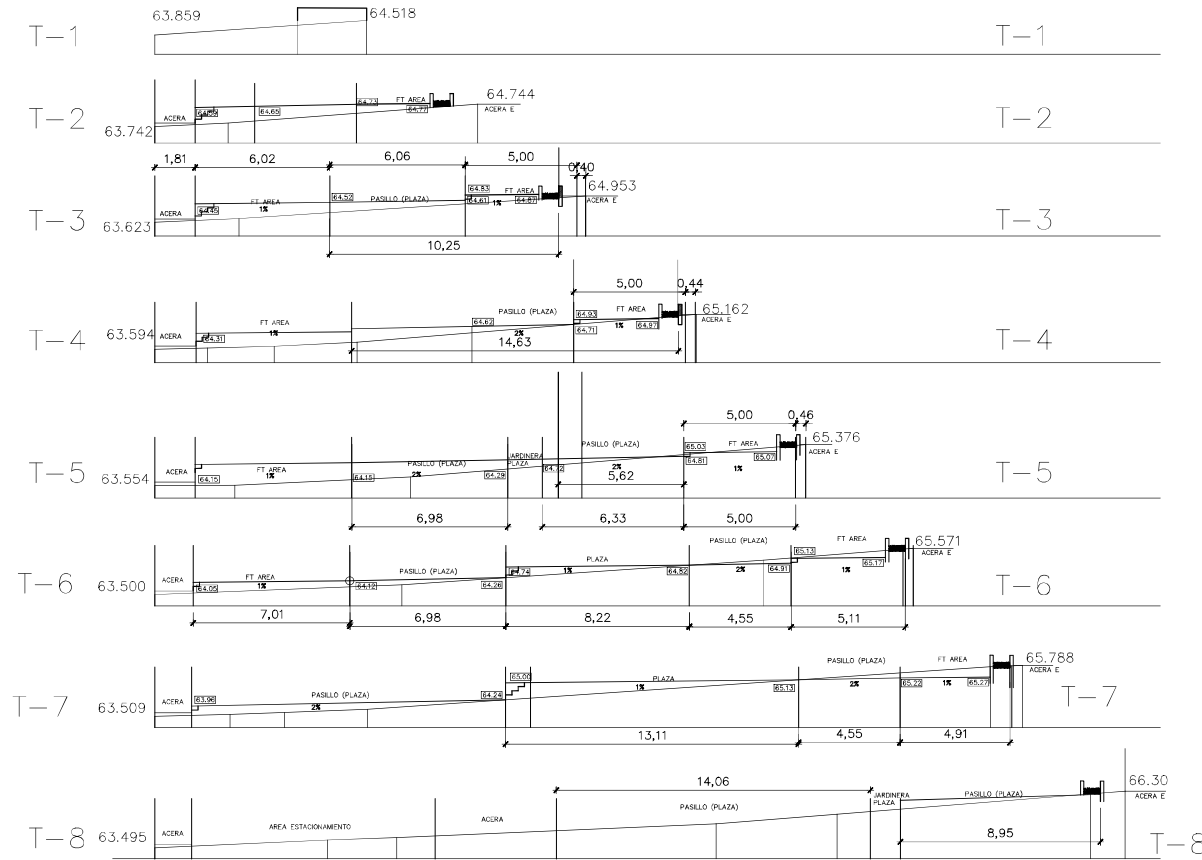
Gallery Plaza
Carr. PR 459
Bo. Pueblo, ISABELA, PR

PROYECTO	ST-3
FECHA	11 Oct 2023
ESCALA	1:200
PROYECTO	ST-3
FECHA	11 Oct 2023
ESCALA	1:200
PROYECTO	ST-3
FECHA	11 Oct 2023
ESCALA	1:200

PR-CRP-000981



ESCALA: 1:100



PERFILES EXISTENTES VS PROPUESTO
ESCALA: 1:100

NOTA:
VER EN PAGINA #7

NOTA:
TODAS LAS ACERAS EN EL PERIMETRO Y
EN EL INTERIOR SERAN NUEVAS.

Ing. JOSÉ D. CENTENO CALERO
LICENCIADO
P.O. BOX 2448
AGUADILLA, PR 00605
TEL. 787-891-8256

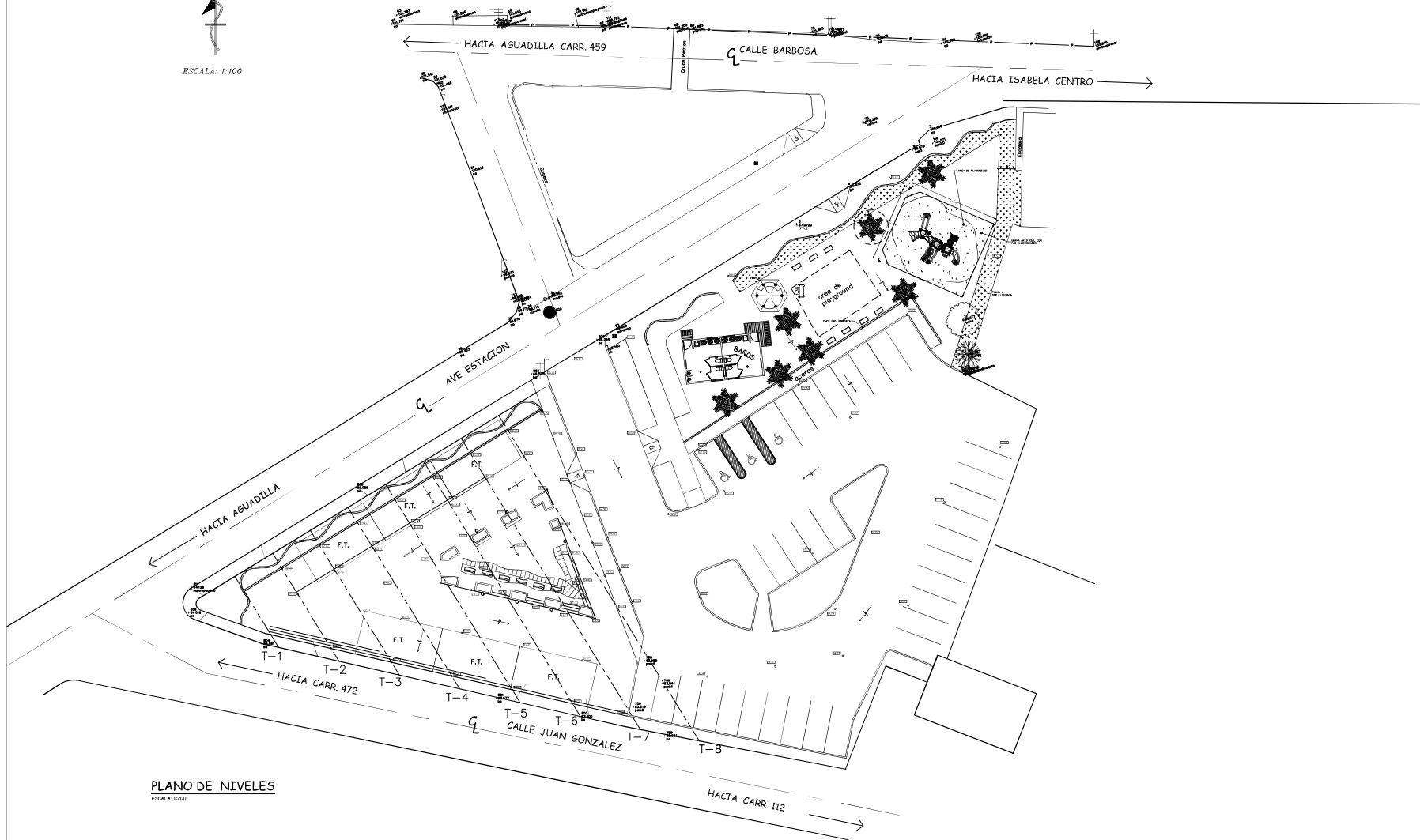
Gallery Plaza
Corr: RR 459
Bo. Pueblo, ISABELA, PR

Nombre del Proyecto: PERFILES EXISTENTES VS PROPUESTO	Fecha: 11 Oct 2023	Escala: 1:100	Hoja: 31
DIBUJADO POR: JPC			REVISADO POR: JPC

PR-CRP-000981



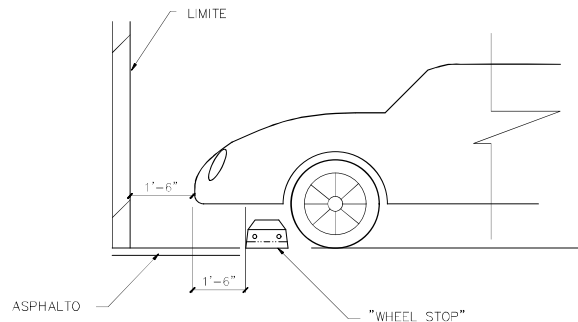
ESCALA: 1:100



PLANO DE NIVELES
ESCALA: 1:200

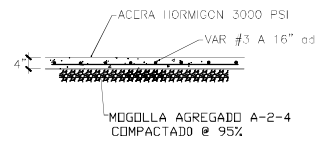
Ing. JOSÉ D. CENTENO CALERO LICENCIADO EN INGENIERIA CIVIL P.O. BOX 4448 AGUADILLA, PR 00605 TEL. 787-891-8256	
Gallery Plaza Carr. PR 459 Bo. Pueblo, ISABELA, PR	
Plan No. ST-6	Sheet No. 7 of 31
Date 11 Oct 2023	Scale 1:200
Drawn by JDC	Checked by JDC

PR-CRP-000981

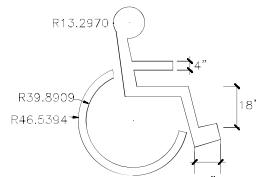


DETALLE DE ESTACIONAMIENTO

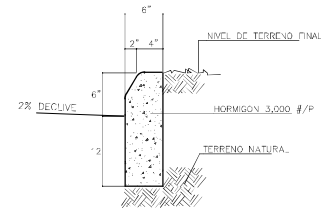
NO A ESCALA



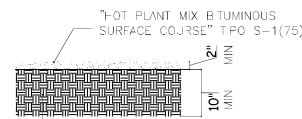
DETALLE ACERA
SI-2 NO A ESCALA



DETALLE DE IMPEDIDO
SI-2 NO A ESCALA

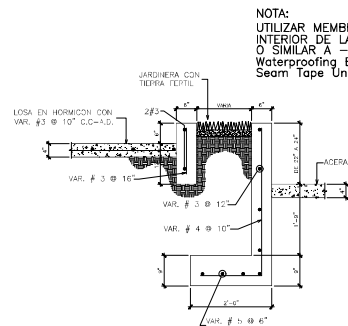


DETALLE DE ENCINTADO
NO A ESCALA

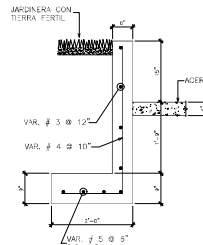


DETALLE ASFALTO
NO A ESCALA

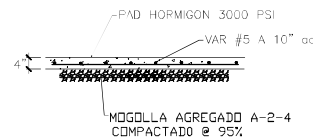
LEGEND					
1	BT-1		24"x24"	N/A	BT-1 2023
2	-		18"x18"	N/A	MATZD 2003
3	BT-1		12"x18"	N/A	MATZD 2003
4	BT-6		12"x18"	N/A	MATZD 2003



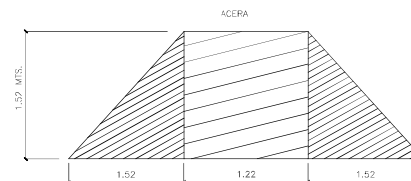
DETALLE JARDINERA MURO CURVO Y RECTO
SI-2 NO A ESCALA



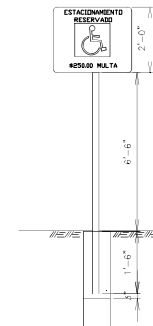
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SI-2 NO A ESCALA



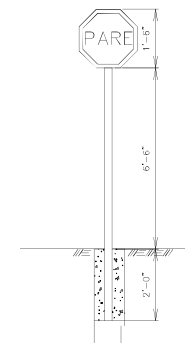
DETALLE "PAD" HORMIGON
SI-2 NO A ESCALA



DETALLE RAMPA IMPEDIDOS
SI-2 NO A ESCALA



DETALLE DE IMPEDIDO
NO A ESCALA



DETALLE DE PARE
NO A ESCALA

Ing. JOSÉ D. CENTENO CALERO
LICENCIADO EN INGENIERIA
P.O. BOX 448
AGUADILLA, PR. 00605
TEL. 787-891-8256

JOSE D. CENTENO CALERO
INGENIERO EN INGENIERIA
P.O. BOX 448
AGUADILLA, PR. 00605

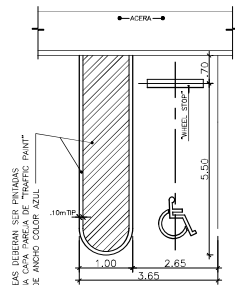
Gallery Plaza
Ave. Enriquez Esq. Juan Gonzalez
Bo. Pueblo, ISABELA, PR.

SI-7
11 Oct 2023
1:200
DEBUCADO POR

PR-CRP-000981



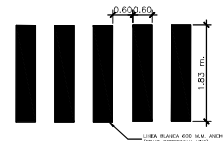
ESCALA: 1:100



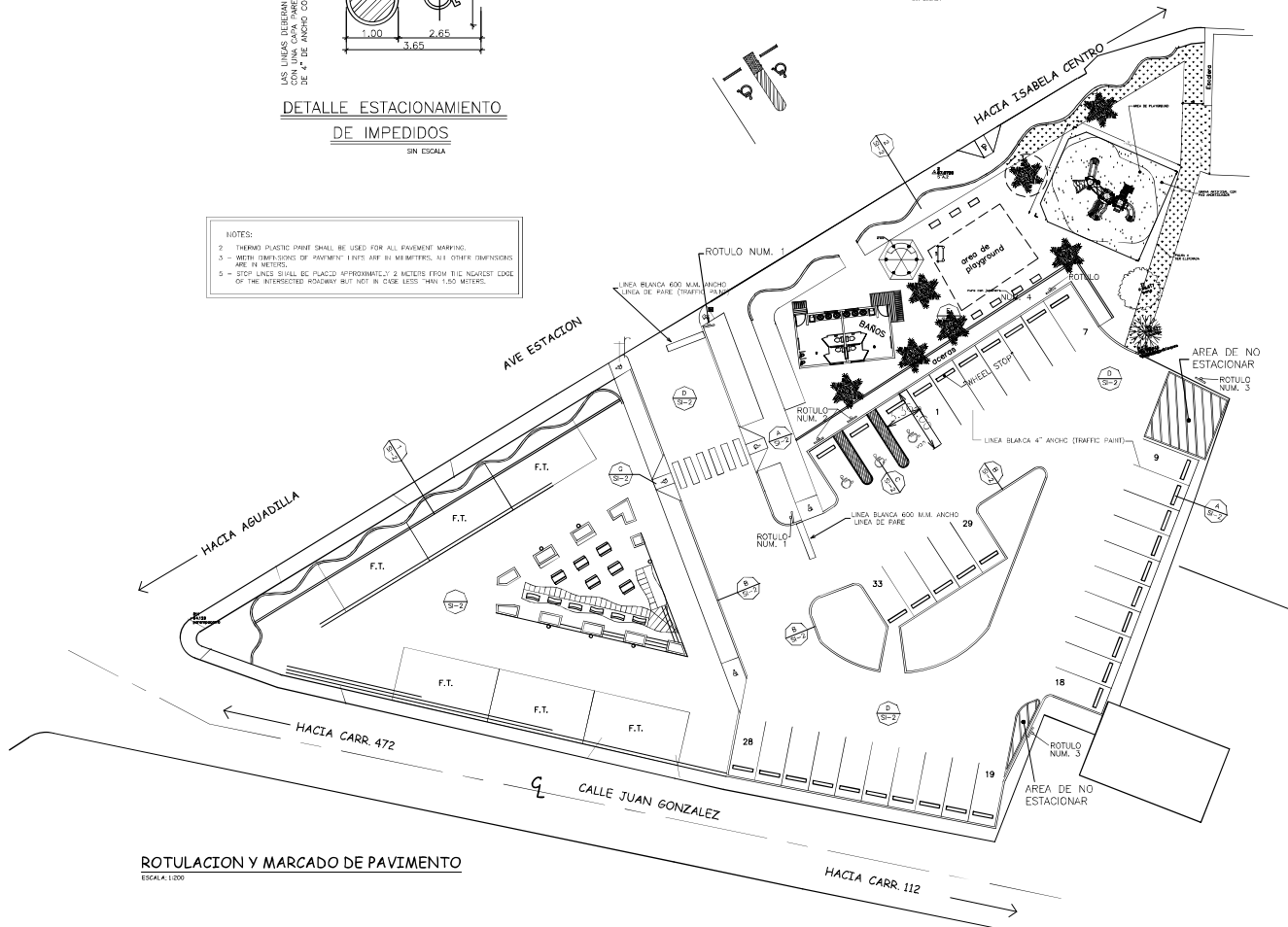
DETALLE ESTACIONAMIENTO DE IMPEDIDOS
SIN ESCALA

NOTES:

2. THERMO PLASTIC PAINT SHALL BE USED FOR ALL PAVEMENT MARKING.
3. - WITH DIMENSIONS OF PAVEMENT MARKS ARE IN METERS. ALL OTHER DIMENSIONS ARE IN FEET.
5. - STOP LINES SHALL BE PLACED APPROXIMATELY 2 METERS FROM THE NEAREST CORNER OF THE INTERSECTED ROADWAY BUT NOT IN CASE LESS THAN 1.00 METERS.



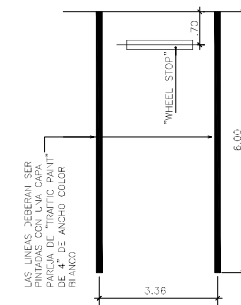
DETALLE DE LINEAS CRUCE PEATONAL
SIN ESCALA



ROTULACION Y MARCADO DE PAVIMENTO
ESCALA: 1:500

NOTAS IMPORTANTES:

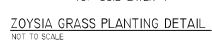
1. MARCADO DE ESTACIONAMIENTOS REGULARES SERAN LINEAS PINTADAS CON PINTURA BLANCA (TRAFFIC PAINT), PROVEA 2 CAPAS DE 4" DE ANCHO.
2. MARCADO DE ESTACIONAMIENTOS PARA IMPEDIDOS SERAN LINEAS PINTADAS CON PINTURA AZUL (TRAFFIC PAINT), PROVEA 2 CAPAS DE 4" DE ANCHO.
3. PROVEA "WHEEL STOP" EN HORMIGON PREFABRICADO PINTADOS DE AMARILLO CON "TRAFFIC PAINT" PARA ESTACIONAMIENTO REGULAR Y PARA ESTACIONAMIENTO DE IMPEDIDO PINTADO EN AZUL CON "TRAFFIC PAINT".
4. MARCADO DE AREA DE NO ESTACIONAR SERAN LINEAS PINTADAS CON PINTURA AMARILLA (TRAFFIC PAINT). PROVEA 2 CAPAS DE 4" DE ANCHO.
5. MARCADO DE CRUCE PEATONAL SERAN LINEAS PINTADAS CON PINTURA BLANCA (TRAFFIC PAINT). PROVEA 2 CAPAS DE 2 PIES DE ANCHO.
6. RAMPAS PARA IMPEDIDOS PINTADAS CON PINTURA AZUL (TRAFFIC PAINT)
7. PARA DETALLES DE ESTRUCTURA DE PAVIMENTO VEA HOJA 8/10



DETALLE ESTACIONAMIENTO PARA VANS
SIN ESCALA

Ing. JOSÉ D. CENTENO CALERO Lic. 120000 PO BOX 448 AGUADILLA, PR 00605 TEL. 787-891-8256	
JOSE D. CENTENO CALERO LIC. 120000 PO BOX 448 AGUADILLA, PR 00605	
Gallery Plaza Carr. PR 459 Bo. Pueblo, ISABELA, PR	
ST-8 11 Oct 2023 1:200	31 DIBUJADO POR:

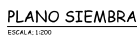
PR-CRP-000981



NOTE:
USE SINGLE VERTICLE STAKE BRACING FOR TREES 2" CALIPER OR LESS AND OTHER TREES LESS THAN 8'-0" IN HEIGHT.
2 OR 3 VERTICAL STAKES BRACING FOR TREES OVER 2" CALIPER AND OTHER TREES 8'-0" OR MORE IN HEIGHT.

GENERAL NOTES:

1. ALL AREAS SHALL BE PLANTED WITH "ZOYSIA GRASS" GROUND COVER UNLESS OTHERWISE NOTICED.
2. WHEREVER SOIL HAS BEEN REMOVED, "ZOYSIA GRASS" GROUND COVER SHALL BE PLANTED AT 12" ON CENTER OTHERWISE NOTICE. QUANTITY REQUIRED ON 1/4" SCALE.
3. WHEREVER PLANTING OCCURS, PLANTING SOIL MIX MUST BE USED.
4. AFTER PLANTING ALL AREAS SHALL BE WATERED.
5. PALMS AND TREES MAY LOOSE SOME LEAVES DURING ADAPTATION PERIOD. IF TREES OR PALMS LOSE MORE THAN 50% OF LEAVES, THEY DON'T MEET LANDSCAPE CONTRACTOR MUST REPLACE THE PLANTS WITHOUT ANY ADDITIONAL COST.
6. LANDSCAPE CONTRACTOR SHALL CLEAN ALL AREAS OF SOIL AND GARBAGE. TRAIL TREES SHALL BE 4"-0" MIN HEIGHT UNLESS OTHERWISE SPECIFIED.
7. PALMS SHALL BE 12"-0" MIN HEIGHT UNLESS OTHERWISE NOTICE.
8. IF LANDSCAPE MATERIAL, CAN NOT BE FOUND AS SPECIFIED, ANY CHANGE SHALL BE SUBMITTED FOR THE ARCHITECT AND/OR LANDSCAPE DESIGNER APPROVAL.



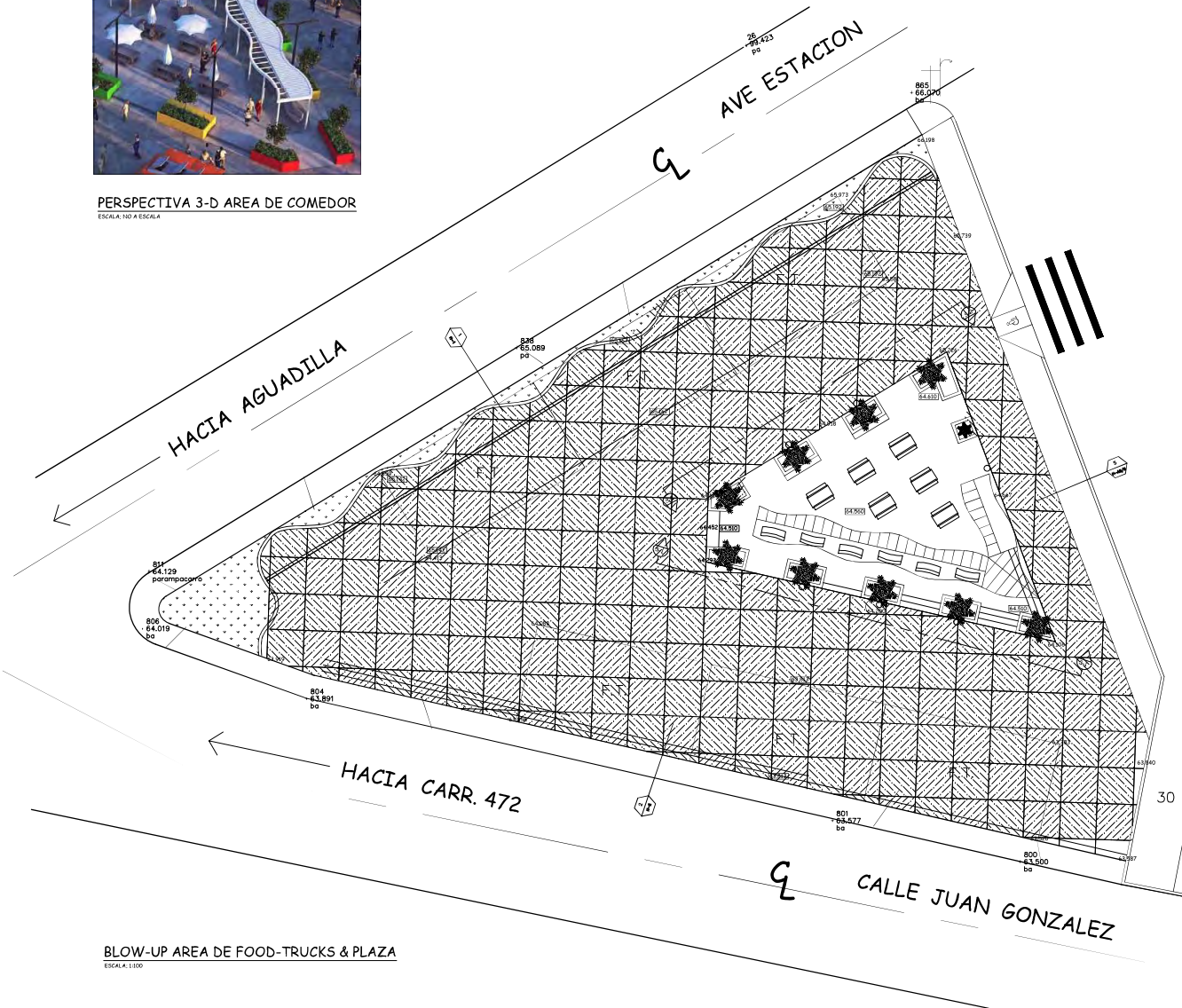
Nombre del Proyecto / Proyecto Gallery Plaza		Nombre del Proyecto / Proyecto Gallery Plaza	
Dirección del Proyecto / Dirección Carr. PR 499 Bar. Pueblo, 12546ELA, PR		Dirección del Proyecto / Dirección Carr. PR 499 Bar. Pueblo, 12546ELA, PR	
Fecha 11 Oct 2023	Hora 1:00	Fecha 10	Hora 31
Tipo de Proyecto STEMBA		Tipo de Proyecto SI-T-9	
Demarcado Por: JF		Demarcado Por: JF	

[illegible]

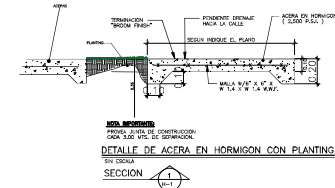
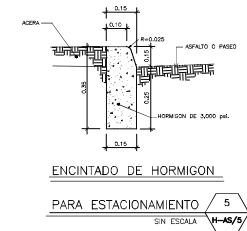
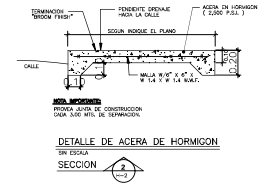
PR-CRP-000981



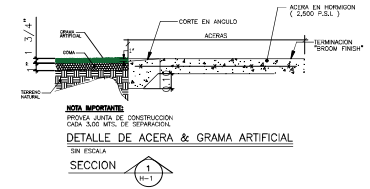
PERSPECTIVA 3-D AREA DE COMEDOR
ESCALA: 1/10 A ESCALA



BLOW-UP AREA DE FOOD-TRUCKS & PLAZA
ESCALA: 1/100

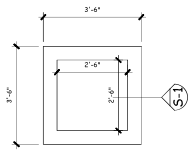


Ing. JOSÉ D. CENTENO CALERO L.C. 10000000000000000000 P.O. BOX 448 AGUADILLA, PR 00605 TEL. 787-891-8256	
Gallery Plaza Ave. Estacion Est. Juan Gonzalez Bo. Pueblo, ISABELA, PR	
Project No. ST-10	Date 11 Oct 2023
Scale 1:100	Drawn By 3/1
Checked By 3/1	

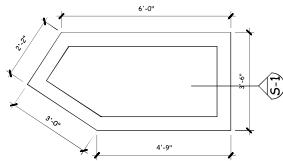


PR-CRP-000981

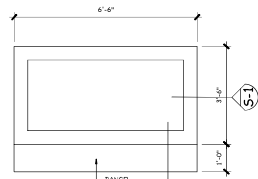
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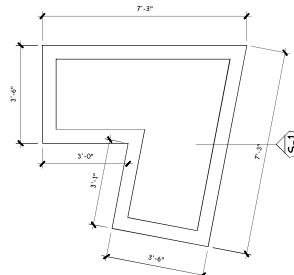
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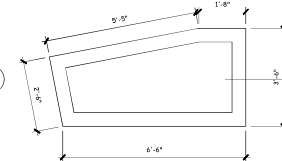
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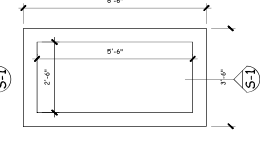
J-3



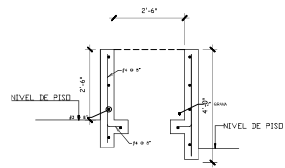
J-4



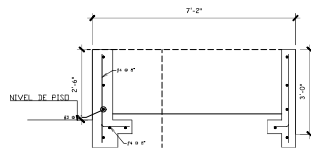
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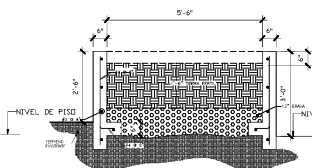
J-6



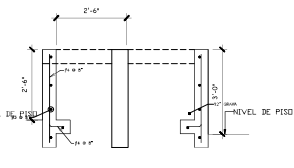
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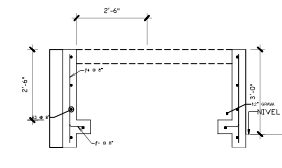
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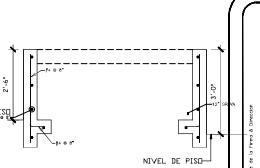
Seccion: S-1



Seccion: S-1



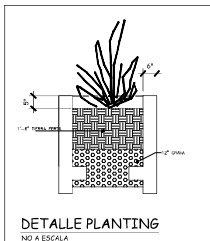
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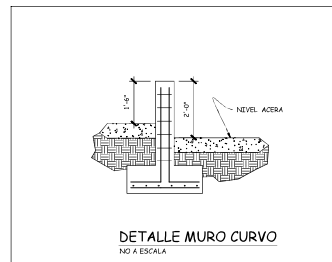
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JARDINERAS

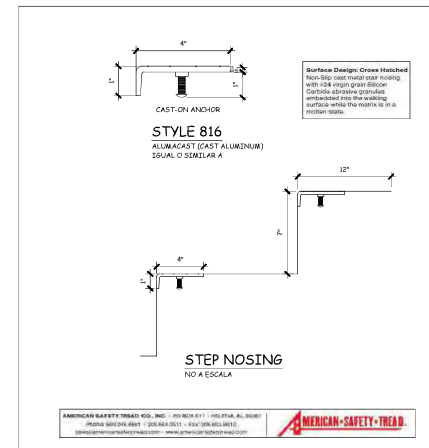
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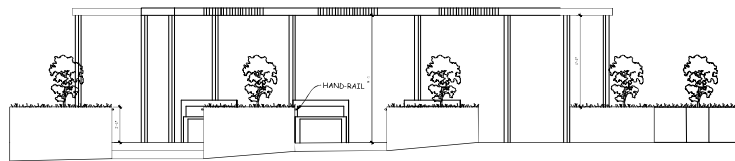
DETALLE PLANTING
NO A ESCALA



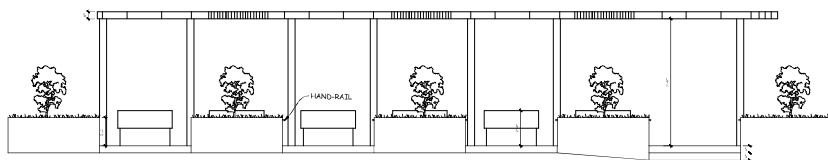
DETALLE MURO CURVO
NO A ESCALA



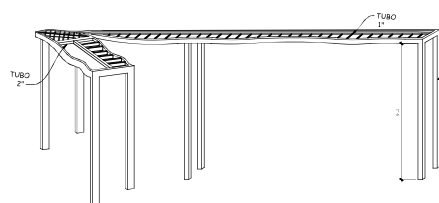
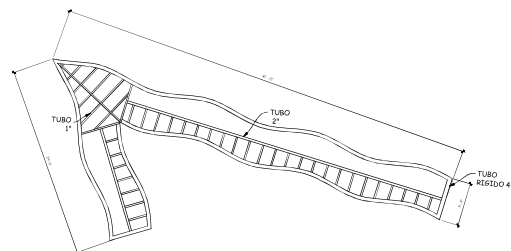
Ing. JOSÉ D. CENTENO CALERO LIC. 20206 PO BOX 4448 AGUADILLA, PR 00605 TEL. 787-891-8256	
Gallery Plaza Carr. PR 459 Bo. Pueblo, Isabela, PR	
Project No. 1001 Date: 11 Oct 2023 Scale: 1/2"=1'-0"	Sheet No. 31 Total Sheets: 37 Drawn by: JVC



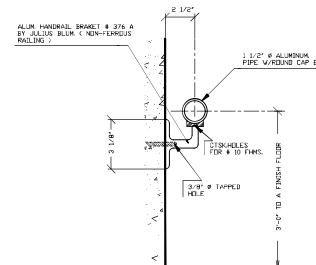
SECCION S-2 (PERGOLAS)
ESCALA 1/4\"/>



SECCION S-1 (PERGOLAS)
ESCALA 1/4\"/>



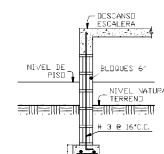
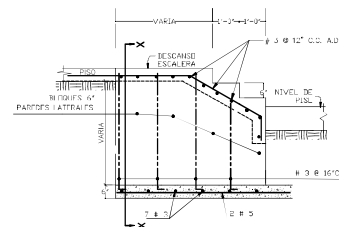
DETALLE PERGOLAS
ESCALA = 1/4\"/>



HANDRAIL DETAIL

NOTAS IMPORTANTES

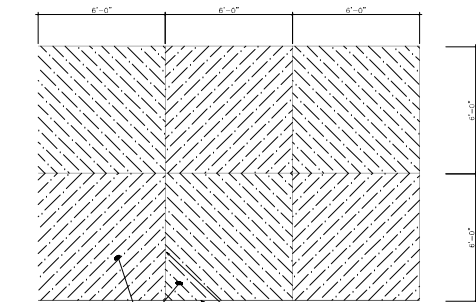
1. TUBO O REPUESTO DE TRANSMISIÓN DIM. # 3 x 12\"/>



SECCION X - X

DETALLE ESCALERA
NO A ESCALA

Ing. JOSÉ D. CENTENO CALERO LIC. 20206 PO BOX 4448 AGUADILLA PR. 00605 TEL. 787-891-8256	
Gallery Plaza Ave. Ericsson Esq. Juan González Bo. Pueblo, Caguas, PR	
SECCIONES PERGOLAS A-1 Fecha: 11 Oct 2023 Escala: 1/4\"/>	No. Hoja: 31 Hoja: 14 Total: 31 3V DESARROLLO



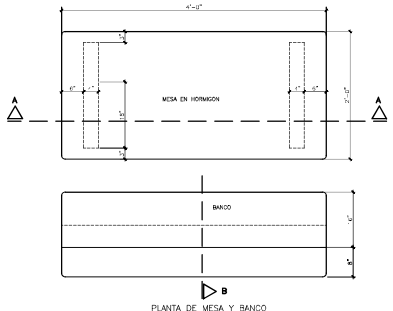
"BROOM FINISH" EN DIRECCIONES OPUESTAS

LOSAS DE HORMIGÓN CON JUNTAS DE VIGILIN Y "BROOM FINISH"

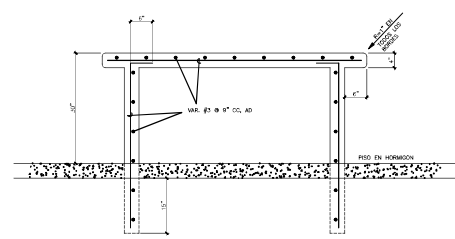
SECCION 4
ESCALA 3/4"=1'-0"

TERMINACION DE PISO EXTERIOR

ESCALA 3/4"=1'-0"



PLANTA DE MESA Y BANCO



SECCION A-A

DETALLES ESTRUCTURALES DE MESA

NO A ESCALA

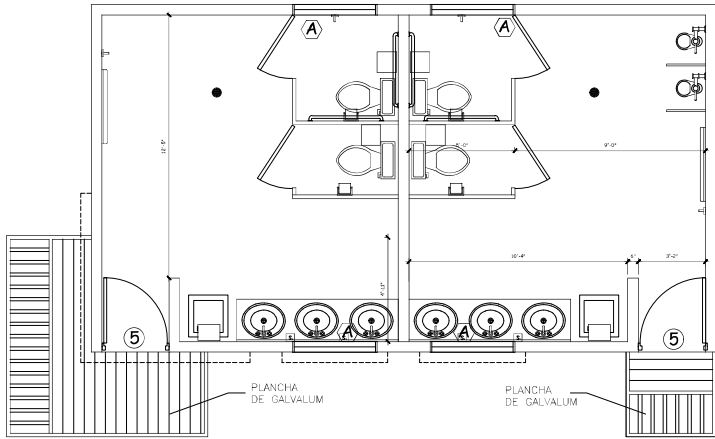


DETALLE DE BANCO

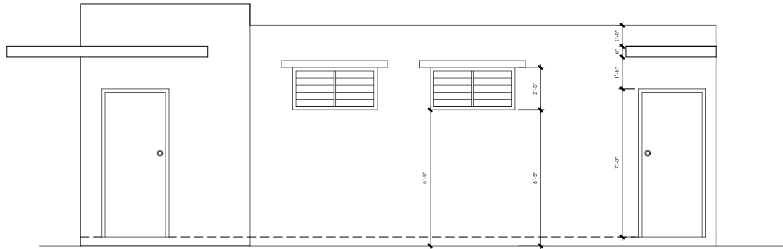
SIN ESCALA

BANCO PREFABRICADO EN HORMIGÓN IGUAL O SIMILAR A:
 MODELO: MARCARITA 38"x18"x18"
 HORMIGÓN: 5,000 psi
 PESO: 250 lbs.
 TERMINACION: PULIDO Y SELLADO IGUAL O SIMILAR A LOS FABRICADOS POR PUNTA BORINQUEÑ PRE-CAST
 1346 AVE. FELIX ALDARONDO SANTIAGO ISABELA, P.R.
 TEL. (787) 830-3370
 puntaborinquenprecast@gmail.com

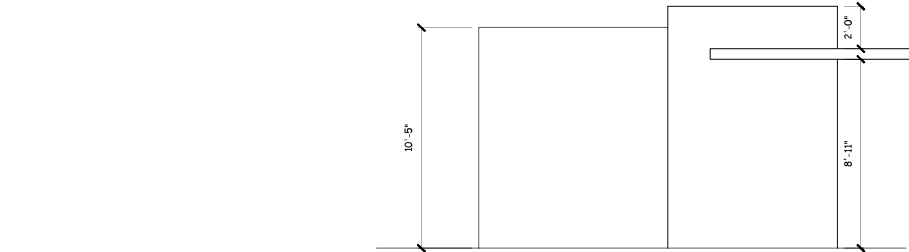
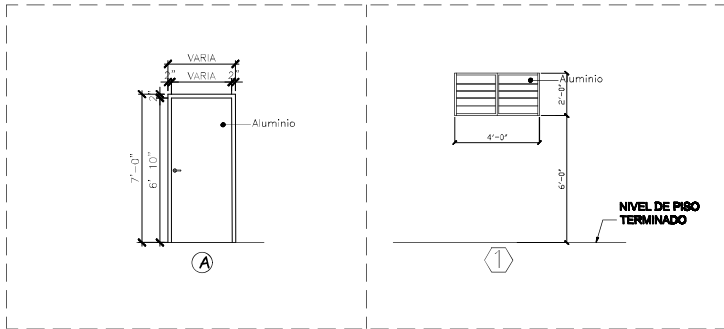
Ing. JOSÉ D. CENTENO CALERO LIC. 20206 PO BOX 4448 AGUADILLA, PR. 00605 TEL. 787-891-8256	
Gallery Plaza Ave. Estación Esg. Juan González Bo. Pueblo, ISABELA, PR.	
Project No. 1000 DETALLES PISO Y BANCOS Date: 11 Oct 2023 Scale: 1/4"=1'-0"	New York A-2 15 31 3Y DESARROLLO POR



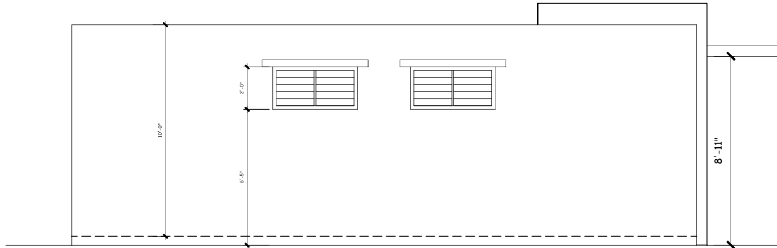
ARQUITECTONICA BAÑOS
ESCALA 3/8"=1'-0"



FACHADA PRINCIPAL DE BAÑOS
ESCALA 3/8"=1'-0"



FACHADA LATERAL IZQUIERDA
ESCALA 3/8"=1'-0"



FACHADA LATERAL DERECHA
ESCALA 3/8"=1'-0"

TABLA DE TERMINACIONES

SIMB.	PISO	ZOCALO	PARED	TECHO	OBSERVACIONES
1	TERRAZO 12"x12" CERAMICA 12"x12" TERRAZO GRANITO CERAMICA ANTIREBALDIZA CEMENTO PULIDO	TERRAZO 3"x12" CERAMICA PINO	EMPANETADO PINTADO CERAMICA ESTUCADO	EMPANETADO PINTADO ESTUCADO	1- LOZA A INSTALAR SERA ESCOGIDA POR EL DUEÑO 2- COLOR DE LA PINTURA SERA ESCOGIDA POR EL DUEÑO

VENTANAS

MCD.	TIPO	MATERIAL	CANTIDAD TOTAL	TAMANO DE VENTANA ANCHO	TAMANO DE VENTANA ALTO	ALTURA SOBRE EL PISO
1	A	ALUMINIO (PULIDO) (OBSERVACIONES: LAMB. 7" (BOLINOS))	4	4'-0"	2'-0"	6'-0"

PUERTAS

MCD.	TIPO	CANT. TOTAL	TAMANO DE HUECO ANCHO	TAMANO DE HUECO ALTO	MATERIAL
1	A	4	3'-0"	7'-0"	PUERTA SOLIDA DE UNA HOJA, ALUMINIO

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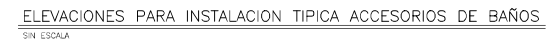
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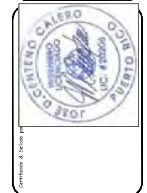


Equipos y Accesorios - Baño para Adulto					
ITEM	MARCA	MODELO	DIMENSIONES		
			W	D	H
Toilet (Equal to Ess Fusion Supreme Dual Flush Right Height) (Elongated Complete Toilet)	American Standard	3388-216	26.75	36.5	15
Lavamanos de Pared Baños (Equal to Lifetime Multi-ling Lavatory)	American Standard	356-042	30.5	18.25	
Mixto/dora (Equal to Metering Faucet w/Extended Spout 0.5 GPM Non-aerated Spray)	American Standard	1346-119			
Jabonera (Equal to Soap Dispenser for Liquid and Action Soaps, and Detergents)	Bobrick	B-40	5	6	3
Papelera (Equal to Surface Mounted Paper Towel Dispenser)	Bobrick	B-7290	12	15	9
Sacabón Baños (Equal to Pedal Bin on Chrome 3 Bolt Standard Steel)	Cresylex	GA337030W		16.63	10.63
Toilet Tissue Dispenser Single with Controlled Delivery	Bobrick	B-273	6.5	4.875	1.5
Tilt Mirror (Equal to Tilt Mirror with Stainless Steel Frame)	Bobrick	B-293			
Hand Air Dryer (Equal to Trim Line Surface-Mounted ADA Dryer)	Bobrick	B-712	13	4	13
Shower Head & Mixer (Equal to Townsend's shower only trim kit w/ water-saving shower head and cartridge)	American Standard	TU33307-002			
Ka'o's Baby Changing Station (Horizontal wall Mounted Station)	Koala	KG-200	35	3.75	18



- (1) DISPENSADOR DE JABON
- (2) DISPENSADOR DE PAPEL TOALLA
- (3) DISPENSADOR DE PAPEL HIGIENICO
- (4) ESPEJO
- (5) SAFACON
- (6) "UTILITY HOOK"
- (7) BABY CHANGING-STATION
- (8) GRAB BARS 42"

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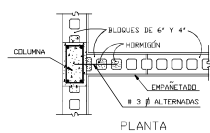


de del Proyecto & Construcción
Gallery Plaza
 Ave. Estacion Esq. Juan Gonzalez
 Bo. Pueblo, ISABELA, PR

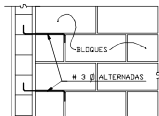
SECCIONES DE BAÑOS		Fecha		11 Oct 2023		Estate		3/8"-1'-0"		17 ^a		A-4		Núm. Hoja							
										JTV						DIBUJADO POR:					

PR-CRP-000981

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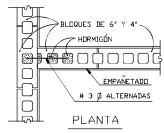
PLANTA



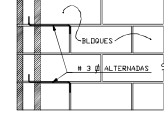
ELEVACIÓN

DET. INTERSECCIÓN ENTRE COLUMNA Y PARED DE BLOQUES

ESC. 3/4"=1'-0"



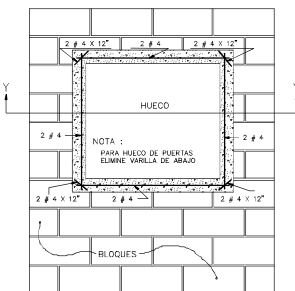
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ELEVACIÓN

DET. INTERSECCIÓN ENTRE PAREDES DE BLOQUES

ESC. 3/4"=1'-0"



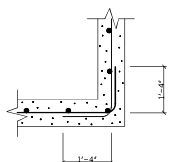
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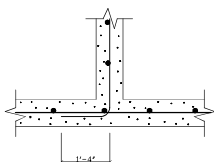
SECCIÓN Y - Y

DET. REFUERZO EN HUECOS

NO A ESCALA

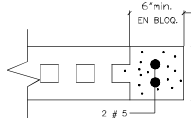


PLANTA



PLANTA

DET. TÍPICO, INTERSECCIONES DE PAREDES DE HORMIGÓN



DET. TÍPICO EN FINAL DE PAREDES

NOTAS GENERALES

A MENOS QUE SE INDIQUE LO CONTRARIO, LAS SIGUIENTES NOTAS APLICARÁN EN TODOS LOS PLANOS ESTRUCTURALES.

- 1) ANTES Y DURANTE LA CONSTRUCCIÓN EL CONTRATISTA DEBERÁ VERIFICAR LOS PLANOS ESTRUCTURALES, ARQUITECTÓNICOS, MECÁNICOS, ELÉCTRICOS Y TODOS LOS DEMÁS PLANOS RELACIONADOS PARA ASÍ PODER COORDINAR LAS DIMENSIONES, ABERTURAS, ANCLAJES, ETC.
- 2) DETALLES Y CONSTRUCCIÓN INCLUYENDO CURADO Y REMOCIÓN DE LA FORMALETA DEBERÁ CUMPLIR CON LOS REQUERIMIENTOS DE LA ÚLTIMA EDICIÓN DE LAS SIGUIENTES PUBLICACIONES:
 - A) PARA ESTRUCTURAS DE HORMIGÓN
 - 1) MANUAL OF STANDARD PRACTICE FOR DETAILING OF CONCRETE STRUCTURES (ACI-308)
 - 2) BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI-318)
 - 3) SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDING (ACI-301)
 - B) PARA ESTRUCTURAS DE ACERO
 - 1) AISC SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL BUILDING.
- 3) LOS CIMENTOS DEBERÁN SER COLOCADOS EN EL SUELO Y A LA PROFUNDIDAD INDICADA EN EL ESTUDIO DE SUELO DE ACUERDO A LA CAPACIDAD DE SOSTENIMIENTO DEL MISMO. INFORMACIÓN DEL SUB-SUELO, BORING LOGS Y RECOMENDACIONES SERÁN REQUERIDAS POR EL CONTRATISTA AL CONSULTOR DE SUELOS.
- 4) APUNTALAMIENTOS EN SOTANOS Y EN OTRAS PAREDES DE RETENCIÓN NO SERÁN REMOVIDOS HASTA QUE LAS LOSAS QUE LO SOPORTAN HAYAN SIDO FUNDIDAS Y EL HORMIGÓN HAYA ALCANZADO SUFICIENTE FUERTEZA.
- 5) EXCEPTO PARA CIMENTOS SOBRE PILOTES TODO TERRENO LIMITADO POR PLANOS DESDE EL FONDO DEL PERIMETRO DEL CIMENTO CON UNA PENDIENTE DE 1 VERTICAL A 2 HORIZONTAL, SERÁ UN SUELO SIN PERTURBAR.
- 6) CORTES ABERTOS EN EL TERRENO SERÁN USADOS COMO FORMALETAS PARA CIMENTOS Y MUROS DE RETENCIÓN SIEMPRE Y CUANDO LAS PAREDES SEAN ALIMENTADAS DE 3" PARA PROVEERLE LA CUBIERTA DE HORMIGÓN AL REFUERZO ADYACENTE AL SUELO.
- 7) EL ACERO DE REFUERZO DEBERÁ CUMPLIR CON UNA DE LAS SIGUIENTES ESPECIFICACIONES DEL ASTM (SOCIEDAD AMERICANA DE PRUEBAS DE MATERIALES):

VARILLAS	A-615 GRADO 60
WIRE MESH	A-185
ALAMBRE DE ACERO A-72	ACERO ESTRUCTURAL
	A-36
- 8) A MENOS QUE SE INDIQUE LO CONTRARIO, LOS HORMIGONES DEBERÁN TENER A LOS 28 DÍAS UNA FUERTEZA A LA COMPRESIÓN DE ACUERDO A LO SIGUIENTE:

CIMENTOS	3,000 P.S.I.	LOSAS ESTRUCTURALES	3,000 P.S.I.
VIGAS	3,000 P.S.I.	PAREDES	3,000 P.S.I.
COLUMNAS	3,000 P.S.I.	OTROS	3,000 P.S.I.
- 9) LA PROTECCIÓN NETA PARA EL REFUERZO DEL ACERO SERÁ COMO SIGUE:

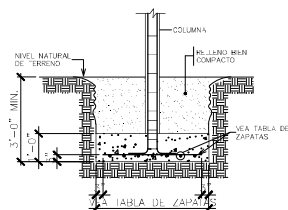
CIMENTO	3" A LOS LADOS Y EN EL FONDO.
PAREDES	
FUNDIDAS CONTRA EL TERRENO	2" PARA VARILLAS # 6 Y MAYORES
EMPUJADAS	1 1/2" HASTA VARILLAS # 5
OTRAS	3/4"
LOSAS Y VIGUETAS	1/2"
VIGAS Y COLUMNAS	1/2"

EN TODOS LOS CASOS LA PROTECCIÓN SERÁ POR LO MENOS IGUAL AL DIÁMETRO DE LAS VARILLAS EXCEPTO PARA LAS LOSAS Y LAS VIGUETAS.

- 10) EL REFUERZO DE TEMPERATURA EN LOSAS, NORMAL AL REFUERZO PRINCIPAL DEBERÁ SER COMO SIGUE:

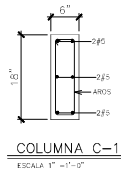
ESPESOR DE LA LOSA	REFUERZO TEMPERATURA
4"	3 # 14"
5"	3 # 12"
6"	3 # 11"
7"	3 # 10"
8"	3 # 9"
9"	3 # 8"
10"	3 # 7"
11"	3 # 6"
12"	3 # 5"
13"	3 # 4"
14"	3 # 3"
15"	3 # 2"
16"	3 # 1"
17"	3 # 1/2"
18"	3 # 1/4"
19"	3 # 3/8"
20"	3 # 1/2"
21"	3 # 1"
22"	3 # 3/4"
23"	3 # 1/2"
24"	3 # 1"
25"	3 # 3/4"
26"	3 # 1/2"
27"	3 # 1"
28"	3 # 3/4"
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33"	3 # 1"
34"	3 # 3/4"
35"	3 # 1/2"
36"	3 # 1"
37"	3 # 3/4"
38"	3 # 1/2"
39"	3 # 1"
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97"	3 # 3/4"
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338"	3 # 1/2"
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ESCALA: $\frac{3}{8}"=1'-0"$

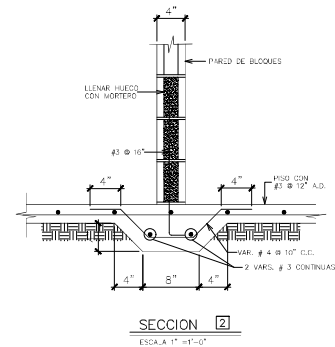


DETALLE TIPOICO DE ZAPATA

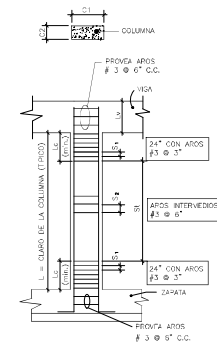
SN ESCALA

[illegible]

DATA DE ESCRITO: _____
 FÓRMULA: $FC = 3.000$ PSI
 PESO ESTRUCTURAL: $FF = 40.000$ PSI
 CAPACIDAD DEL SUELO: $S = 2.000$ PSI CASQUETE
 1. LLEVE TODAS LAS ZAPATAS A UNA PROFUNDIDAD MÍNIMA DE TRES PIES (3'-0") BALD EL NIVEL
 DE LA TIERRA.
 2. LASAS AL AL, VIGARILLOS Y VIGAS SERÁN FUNCIONES MULTICOMITAS.
 3. LASAS ACTIVAS: 10" PISO ESTRUCTURAL 400 PSI TOTO ESTRUCTURAL 400 PSI
 4" ALAS Y VIGAS 1000 PSI
 4. EL ACERO DE REFORZADO DEBERÁ SER DE GRADO INTERMEDIO O MAYOR EN VÁRILLAS BIPOLARES
 5. LAS VIGAS DEBE INVERTIRSE DE GRADO INTERMEDIO O MAYOR QUE SIGA 1/2" DI. VIGAS
 COLUMNAS 3/4" EN LASAS, 3" EN ZAPATAS Y TODOS HERMIEN EXPUESTO A LA INTERPRETE SER 1/2"



DETALLE TIPICO DE ESPACIAMIENTO
DE AROS EN COLUMNAS

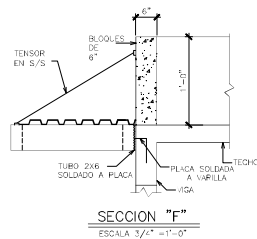


S₁ SEPARACION DE AROS @ 4" C.C. EN ZONA Lc .
S₂ SEPARACION DE AROS @ 6" C.C. EN ZONA INTERMEDIA St .
Lc USARA : (L/6 , 24" , 6' , 32) EL QUE SEA IGUAL O MAYOR
L CLARO DE LA COLUMNA
L1 LARGO DE LA COLUMNA
C2 ANCHO DE LA COLUMNA

PR-CRP-000981



1. TODO EL REFUERZO DE TEMPERATURA SERA $\# 3 @ 12"$ C.C. (ABAO) PERPENDICULAR AL ACERO DE REFUERZO EXCEPTO DONDE SE INDIQUE LO CONTRARIO.
2. EL ESPESOR DE LA LOSA DE TECHO SERA DE 5".
3. LAS LOSAS Y VIGAS DEBERAN FUNDIRSE MONOLITICAMENTE.
4. TODO METAL EN PERGOLA SERA EN ACERO GALVANIZADO.



(DATA DE INTERES)

• $\langle \text{Módulo} \rangle = FC = 3.000 \text{ PSI}$
• $\langle \text{Módulo Elástico Usual} \rangle = E = 60.000 \text{ PSI}$
• $\langle \text{Propiedades del Suelo} \rangle = q = 2.000 \text{ PSI (asumido)}$

1. LLEVE TODAS LAS ZAPATAS A UNA PROFUNDIDAD MÍNIMA DE TRES PIES (3'-0") BAJO EL NIVEL DE LA SUPERFICIE DEL TERRENO.

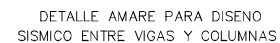
2. LLEVE LAS ALAS, VOLADIZOS Y VIGAS SERÁN PROFUNDIZADAS MÍNIMAMENTE:

• LAS ALAS DEBEN SER DE UNA LONGITUD ENTRE 12" Y 18" PARA LA ZAPATA ESTRUCTURAL, 24" PARA LOS VOLADIZOS Y SALIENTES. TODAS LAS VIGAS SERÁN PROFUNDIZADAS MÍNIMAMENTE 36" PARA LAS VIGAS DE CUBO INTERIORES Y 24" EN VIGAS DE PERIFERIA.

3. PROTECCIÓN MINIMA PARA ADEMS DE REFUERZO SERA COMO SIGUE: 1/2" EN VIGAS Y COLUMNAS, 3/4" EN LLEZAS, 2" EN ZAPATAS Y TODO HORMIGON EXPUESTO A LA INTemperIE SERA 1/2".

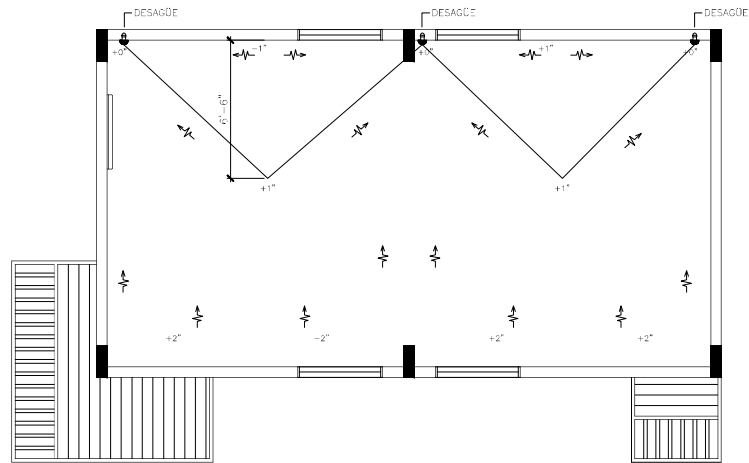


TODO ACERO DE REFUERZO CON CUBIERTA EPOXICA.

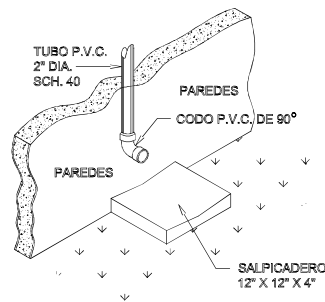


COLUMBIA UNIVERSITY ESTRUCTURAL Date: 11 Oct 2023 User: 20 Code: 3/8-1-0* 31	NAME OF THE USER ES-4 DATE OF THE TEST 20 CODE OF THE TEST 3/8-1-0* 31	NAME OF THE TESTER Gallery Plaza Ave. Enriquez Esq. Juan Gonzalez So Paulo, LA BELLA, PR	CONTACT AND ADDRESS  Ing. JOSE N. MARTI CALERO LLC 8200 PO BOX 4448 AGUADILLA PR 00605 TEL. 787-491-8256
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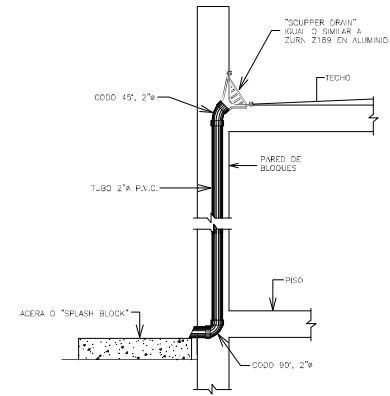
Ingenieros del Oeste C.S.P.
Calle José de Diego #65, Aguadilla
PO BOX 4448 Aguadilla, P.R. 00605
Tel/Fax: 787 891-8256
ingenierosdeloestecsp@gmail.com



DESAGÜES DE TECHO
ESCALA: 1/4"=1'-0"

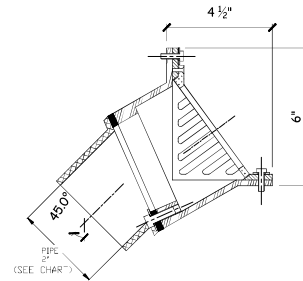


DETALLE DE SALPICADERO
NO A ESCALA



DETALLE TÍPICO DE DESAGÜE
NO A ESCALA

NOTA IMPORTANTE:
TODO ACERO DE REFUERZO CON CUBIERTA EPOXICA.



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Ing. JOSÉ D. CENTENO CALERO LIC. 20206 AGUADILLA, P.R. 00605 TEL. 787-891-8256	
Gallery Plaza Ave. Enriquez Esq. Juan González Bo. Pueblo, ISABELA, P.R.	
DISTRIBUCION DE DIBUJOS 2 D-1 11 OCT 2023 31	DIBUJADO POR: IV

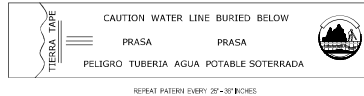
PR-CRP-000981

SITE PROPUESTO ACUEDUCTOS

AREA PARA ESTACIONAR "FOOD TRUCKS" Y CONSTRUCCION DE
BAÑOS CON AREA DE ESTACIONAMIENTOS,
Radicado en la Ave Estacion esq. Juan Gonzalez,
Bo. PUEBLO, ISABELA, PR



CUADRANGULO
120,000
COORDENADAS NAD 83:
X: 137451.7378
Y: 273911.5271



WARNING SIGN
NOT TO SCALE



ESCALA: 1:200

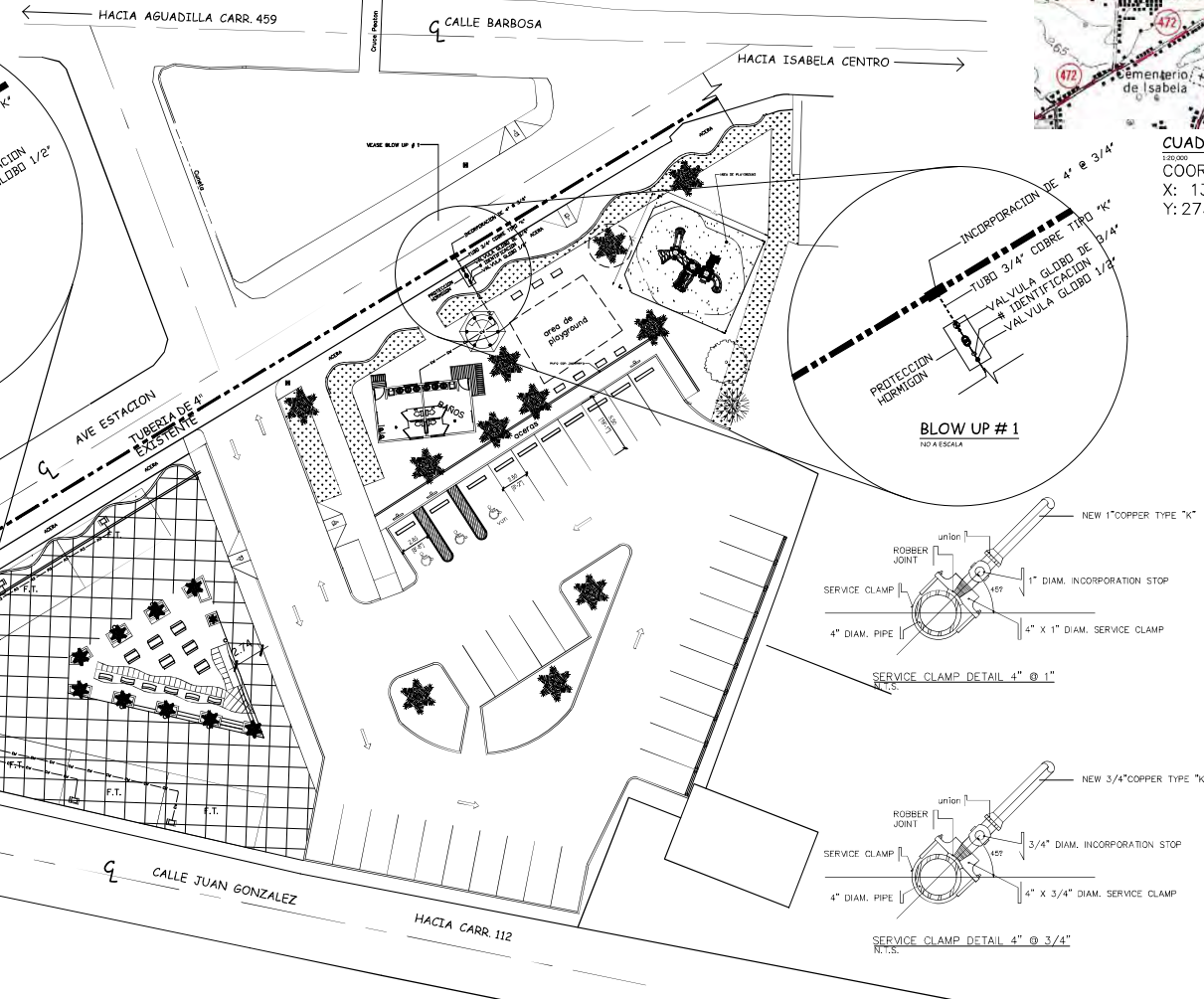
LEYENDA:

- TUBERIA DE AGUA EXISTENTE, 4" DIAM
- TUBERIA DE 1" COBRE TIPO "K" A INSTALAR, L = 2.00 M
- TUBERIA DE 3/4" COBRE TIPO "K" A INSTALAR, L = 2.00 M
- ⊗ VALVULA GLOBO DE 1" O 3/4" A INSTALARSE
- ⊗ BATERIA DE 6 CONTADORES DE 1/2"
- ⊗ BATERIA DE 3 CONTADORES DE 1/2"
- CONEXION DE AGUA A TUBERIA EXISTENTE MEDIANTE INCORPORACION DE DE 4" O 1", O 4" O 3/4"

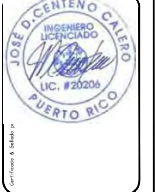
SITE PROPUESTO
ACUEDUCTO
ESCALA: 1:200

NOTA:

EL DISEÑO MOSTRADO EN ESTOS PLANOS HIDRAULICOS ES ESFUERZO Y PRODUCTO DE LA OFICINA DEL INGENIERO JOSE D. CENTENO Y ES EMITIDO UNICAMENTE COMO INSTRUMENTO DE UNOS SERVICIOS PRESTADOS AL MUNICIPIO DE ISABELA Y PERMANECEN COMO PROPIEDAD DE ESTA OFICINA Y NO DEBEN SER USADOS, COPIADOS, REPRODUCIDOS O EXHIBIDOS SIN LA PREVIA AUTORIZACION ESCRITA DEL PROPONENTE.



Ing. JOSÉ D. CENTENO CALERO
INGENIERO ESPECIALIZADO
P.O. BOX 448
AGUADILLA, PR 00605
TEL: 787-891-8256



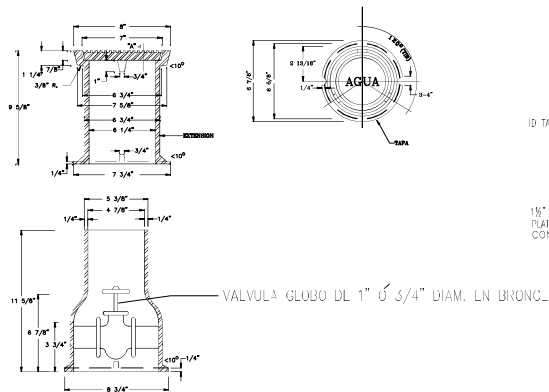
Gallery Plaza
Carr. PR 459
Bo. Pueblo, ISABELA, PR

PL-1	22	31
PLANO ACUEDUCTOS	11 Oct 2023	1:200
FECHA	11 Oct 2023	1:200
FECHA	11 Oct 2023	1:200
FECHA	11 Oct 2023	1:200

AAA-R0-21-37-0018
2021-370398-SRI-044155
PR-CRP-000981

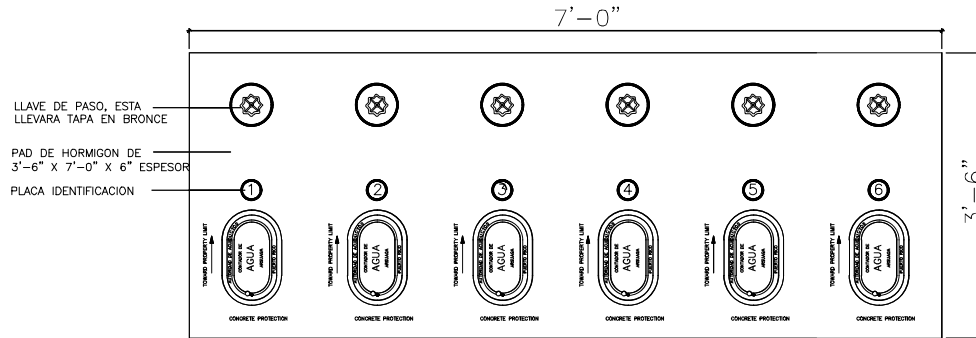
NOTAS GENERALES PARA SISTEMA DE ACUEDUCTOS

- 1- TODAS LAS CONEXIONES SERAN REALIZADAS POR UN MAESTRO PLOMERO O BAJO LA SUPERVISION DIRECTA DE ESTE.
- 2- TODAS LAS ACOMETIDAS DE LA BATERIA DE CONTADORES SERAN DE 1/2"Ø.
- 3- LOS "MANIFOLD" SERAN DE 1" Y 3/4" EN BRONCE. NO HABRA SOLDADURAS, TODA CONEXION SERA EN ROSCA.
- 4- TODAS LAS ESTRELLAS PARA CAJAS CONTADOR DEBEN SER TIPO ANTI-HURTO
- 5- TODAS LAS INSTALACIONES SE HARAN DE ACUERDO CON LAS NORMAS DE A.A.A.
- 6- SE DEBERA INSTALAR UNA CINTA DETECTABLE SOBRE LA TUBERIA DE AGUA, IGUAL O SIMILAR A LA MANUFACTURADA POR LA COMPAÑIA "REEF INDUSTRIES INC." COLOR AZUL, DICHA CINTA DEBERA ESTAR LOCALIZADA SOBRE Y PARALELA A LA TUBERIA, A UNA PROFUNDIDAD DE 0.30 Mts. (12") BAJO LA SUPERFICIE DEL TERRENO.
- 7- DEBERA PROVEERSE UN ACODAMIENTO ADECUADO ("THRUST BLOCKS") EN HORMIGON CUANDO OCURRA UN CAMBIO DE DIRECCION DE LAS TUBERIAS.
- 8- SERA NECESARIO PROVEER UNA EXCAVACION EN EL AREA DE LAS ACOMETIDAS PARA PODER VERIFICAR PROFUNDIDAD Y MATERIALES DE TUBERIA. DEBERA SOLICITARSE LA INSPECCION CORRESPONDIENTE ANTES DE PAVIMENTAR LAS CALLES.
- 9- EL CONTRATISTA O URBANIZADOR SUMINISTRARA EVIDENCIA DEL PAGO DE CONEXION AL SISTEMA PREVIO AL ENDOSO FINAL DEL PROYECTO.
- 10- TODAS LAS PIEZAS DE CONEXION COMO "TEE", VALVULAS, TAPON, ETC. SERAN DE HIERRO FUNDIDO.
- 11- LA TUBERIA SE INSTALARA A UNA PROFUNDIDAD DE 0.75 Mts. DESDE EL NIVEL DE TERRENO HASTA LA PARTE SUPERIOR DEL TUBO Y A 1.50 Mts. DEL SARDINEL.
- 12- EL PROPONENTE O DUEÑO DEBERA NOTIFICAR POR ESCRITO A ESTA OFICINA CUANDO COMIENCE LA CONSTRUCCION DE LAS OBRAS HIDRAULICAS.
- 13- LA A.A.A. SE RESERVA EL DERECHO DE REQUERIR CUALQUIER CAMBIO PERTINENTE QUE POR OMISION O ERROR INVOLUNTARIO NO SE HAYA INCLUIDO EN EL PROYECTO Y A SU JUICIO, SEA NECESARIA PARA EL BUEN FUNCIONAMIENTO DEL SISTEMA DE ACUEDUCTOS
- 14- SE DEBERA PROVEER DE FORMA DIGITAL EN PDF UNA COPIA DE LOS PLANOS PARA EL ENDOSO FINAL
- 15- SE INSTALARAN 2.0 METROS LINEALES DE TUBERIA DE AGUA DE 1" DE DIAMETRO DE COBRE TIPO "K"
- 16- SE INSTALARAN 2.0 METROS LINEALES DE TUBERIA DE AGUA DE 3/4" DE DIAMETRO DE COBRE TIPO "K"

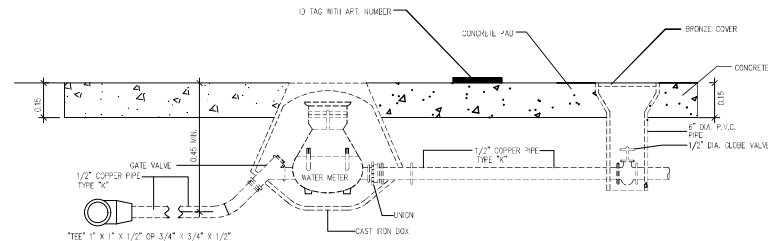


BOTELLA TELESCOPICA DE H.P. PARA VALVULA
INCLUYENDO EXTENSION Y TAPA

NO. A. BICHA

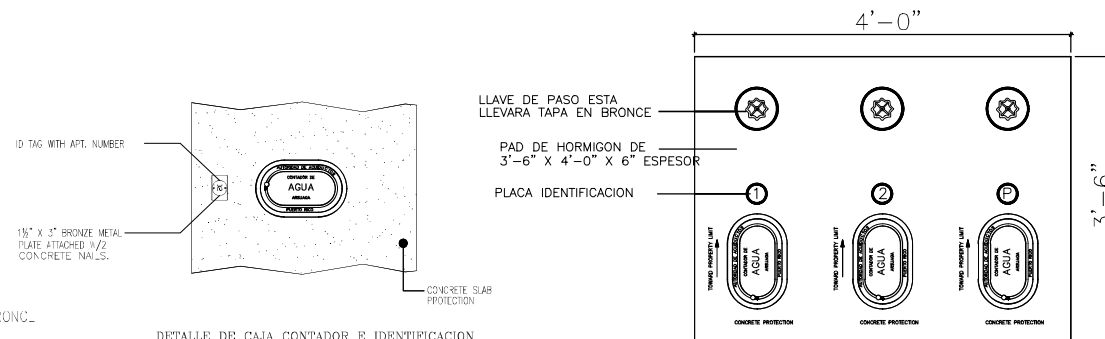


TYPICAL METER BOX COVER
AND CONCRETE PROTECTION
N.T.S.



WATER METER & INSTALLATION DETAILS

NOT TO SCALE



DETALLE DE CAJA CONTADOR E IDENTIFICACION

NO. A. BICHA

TYPICAL METER BOX COVER
AND CONCRETE PROTECTION
N.T.S.

Ing. JOSÉ D. CENTENO CALERO
LICENCIADO
P.O. BOX 448
AGUADILLA, PR 00605
TEL. 787-691-8256

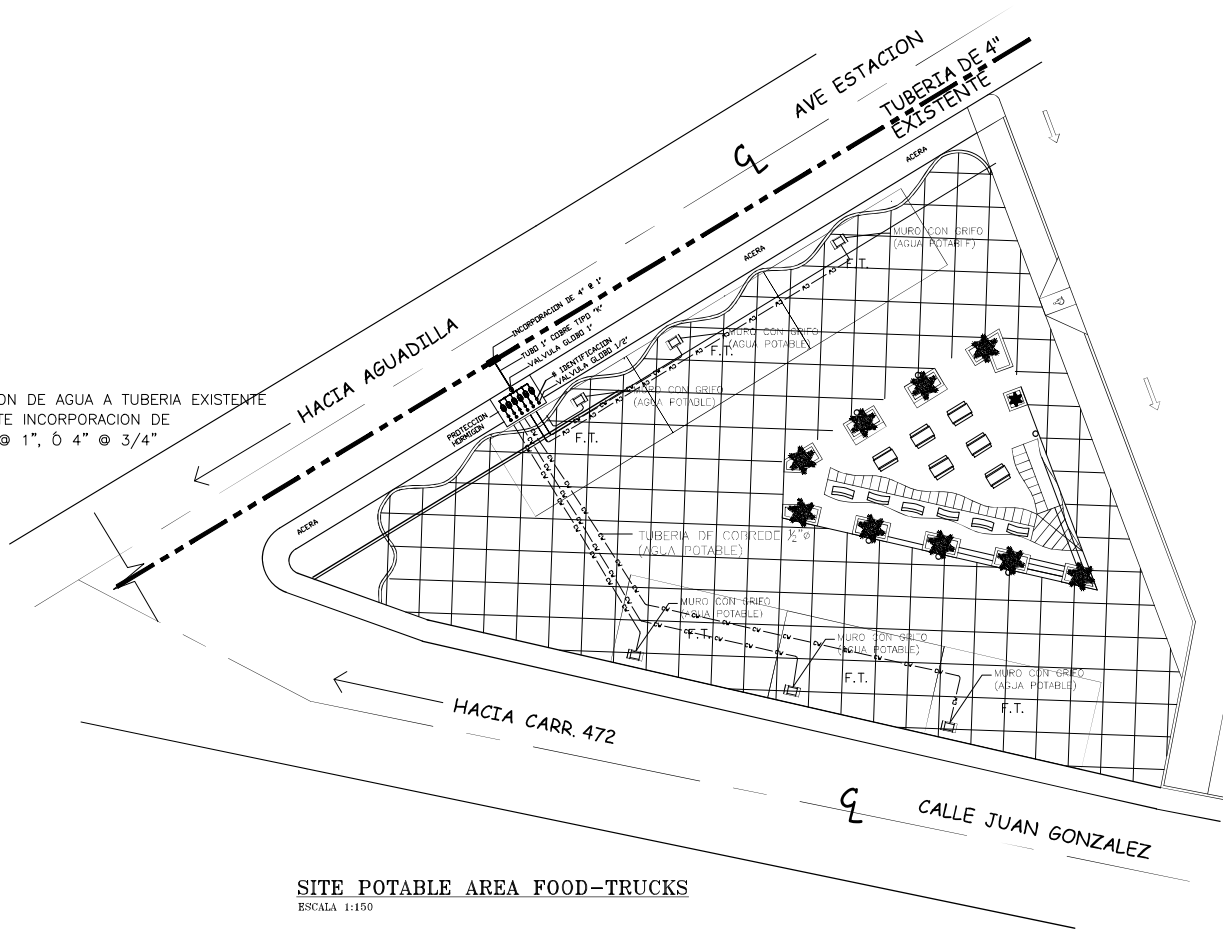
INGENIERO
LICENCIADO
P.R. #20206
PUERTO RICO

Gallery Plaza
Carri: PR 459
Bo. Pueblo, ISABELA, PR

DET. ACUEDUCTOS	PL-2	23
11 Oct 2023	23	31
1:200		
DISEÑADO POR:		

AAA-RO-21-37-0018
2021-370398-SRI-044155
PR-CRP-000981

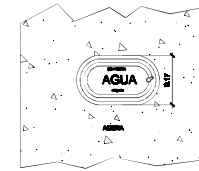
CONEXION DE AGUA A TUBERIA EXISTENTE
MEDIANTE INCORPORACION DE
DE 4" @ 1", Ø 4" @ 3/4"



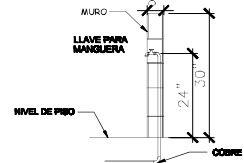
SITE POTABLE AREA FOOD-TRUCKS
ESCALA 1:150

SIMBOLOS DE PLOMERIA

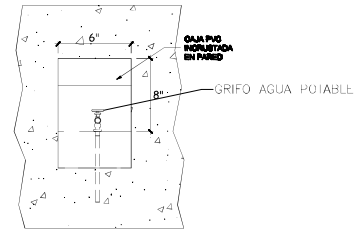
-  TUBERIA SANITARIA 3"
-  LINEA DE AGUA FRIA 1/2" COBRE
-  LLAVE DE PASO 1/2" COBRE



TAPA CON CONTADOR
SIN ESCALA



DETALLE DE SAIDA PLUMA
SIN ESCALA

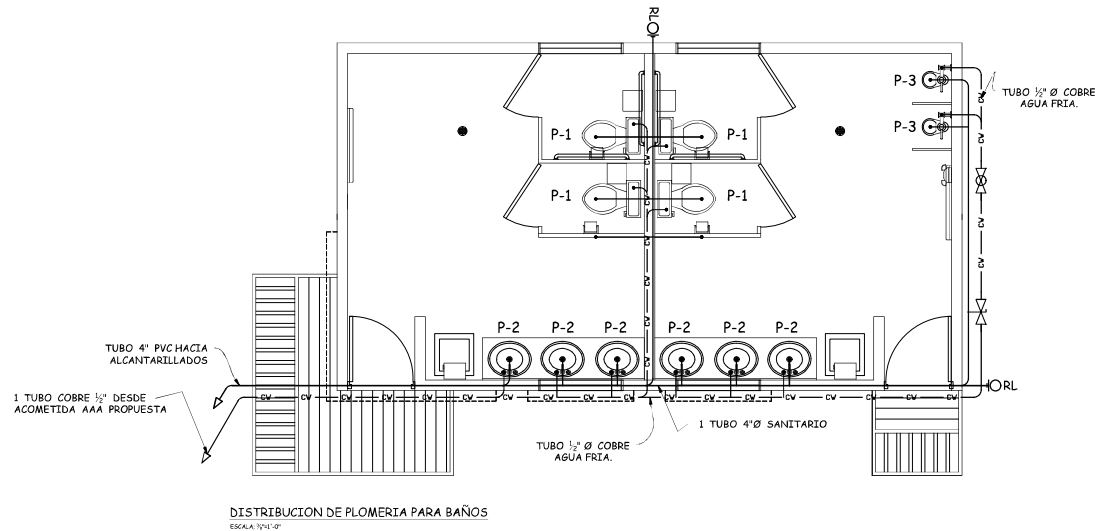


DETALLE DE GRIFO
SIN ESCALA

	
Ing. JOSÉ D. CENTENO CALERO INGENIERO P.R. 00005 AGUADILLA, P.R. 00005 TEL. 787-891-8256	
Gallery Plaza Carr. PR 459 Bo. Pueblo, ISABELA, PR	
SITE POTABLE Fecha: 11 Oct 2023 Escala: 1:125	PL-3 24' x 31' DIBUJADO POR:

AAA-RO-21-37-0018
2021-370398-SRI-044155
PR-CRP-000981

Ing. JOSÉ D. CENTENO CALERO, INGENIERO CIVIL LIC. #20206, CERTIFICADO QUE CONECTARON Y/O DISEÑARON ESTOS TUBOS Y LAS DIFERENCIAS CORRELACIONALES, TUBERIAS, CERTIFICADO QUE
 AGUADILLA, SANTA ISABELA, PUEBLO, P.R. 00005, INGENIERO QUE DISEÑARON ESTOS TUBOS Y LAS DIFERENCIAS CORRELACIONALES, TUBERIAS, CERTIFICADO QUE
 Y/O DISEÑARON ESTOS TUBOS Y LAS DIFERENCIAS CORRELACIONALES, TUBERIAS, CERTIFICADO QUE DISEÑARON ESTOS TUBOS Y LAS DIFERENCIAS CORRELACIONALES, TUBERIAS, CERTIFICADO QUE



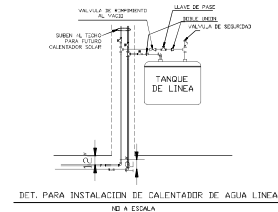
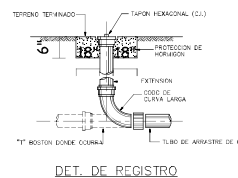
LEYENDA:

SIMBULO	DESCRIPCION		
————	TUBERIA 1/2" COBRE – AGUA FRIA		LLAVE DE PASO
————	TUBERIA 1/2" COBRE – AGUA CALIENTE		PLUMA CON ROSCA
-----	TUBERIA 1 1/2" PVC – VENTILACION		VALVULAS
————	TUBERIA 1 1/2" PVC –SANITARIA		FLUJO AGUA DESAGUE – SANITARIA
————	TUBERIA 3" y 4" PVC – SANITARIA		TUBERIA VERTICAL
	REGISTRO DE LIMPIEZA	P-1	IDENTIFICACION APARATOS SANITARIOS
	UNIONES EN COBRE Y PVC		

TABLA APARATOS SANITARIO					
SIMBULO	DESCRIPCION	AGUA CALIENTE	AGUA FRIA	TUBERIA SANITARIA	ALTURA LLAVES
P-1	INODORO	—	1/2"	3"	8"
P-2	LAVAMANOS	1/2"	1/2"	1 1/2"	18"
P-3	URINAL	1/2"	1/2"	1 1/2"	30"
P-4	FREGADERO	1/2"	1/2"	1 1/2"	18"
P-5	CALENTADOR DE LINEA	1/2"	1/2"	—	30"

NOTAS SANITARIAS :

1. TODA LA TUBERIA SANITARIA SERA PLASTICA P.V.C.
2. TODA LA TUBERIA DE AGUA FRIA SERA DE COBRE 1/2" TIPO "K".
3. TODOS LOS APARATOS SANITARIOS SERAN DE MARCA "KOHLER" O "AMERICAN STANDARD". DUENO ESCOJE
4. DECLIVE: 1/8" POR PIE LINEAL TUBERIA DE 4" O MAS.
5. DECLIVE: 1/4" POR PIE LINEAL TUBERIA DE 3" O MENOS.
6. SE PUEDE USAR LA TUBERIA EXISTENTE DONDE NO CAMBIA LA DISTRIBUCION PERO LOS CONECTORES, LLAVES ANGULARES, Y FITTING SERAN NUEVOS.
7. SE INSTALARA PLUMA CERCA DE ESTACION DE BASURA.



Ingenieros del Oeste C.S.P.
Calle José de Diego #65, Aguadilla
PO BOX 4448 Aguadilla, P.R. 00605
Tel/Fax: 787 891-8256
ingenierosdeloestecsp@gmail.com

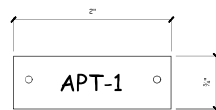
Ing. JOSÉ D. CENTENO CALERO
LIC. 20206
PO BOX 4448
AGUADILLA, PR. 00605
TEL: 787-891-8256

Gallery Plaza
Ave. Enriquez Esq. Juan González
Bo. Pueblo, ISABELA, PR.

PL-4 DISTRIBUCION DE PLOMERIA	25 Folios	31 Folios	3/8" x 1" - 0" Tubo
3V DISEÑADO POR			

PR-CRP-000981

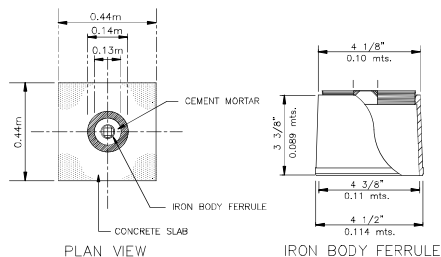
8. THE A.A.A. RESERVES ITS RIGHT TO REQUIRE ANY PERTINENT CHANGES THAT BY ERROR OR OMISSION WAS NOT INCLUDE IN PROJECT ITSELF AND DUE TO THEIR JUDGEMENT DEEMED NECESSARY IN ASSUMING AN EFFICIENT AND WELL FUNCTIONING WATER SYSTEM.



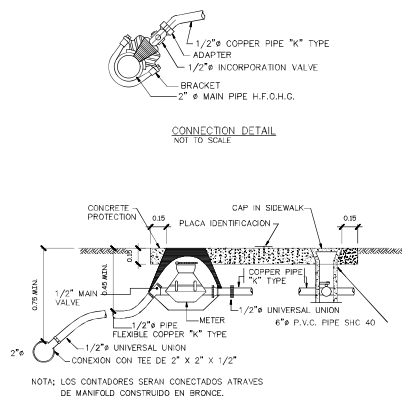
PLACA IDENTIFICACION

NOTA:

1. LAS PIEZAS DEBEN SER EN COBRE Y JUNTAS TIPO ROSCA.
2. SERÁ NECESARIO QUE EL DUEÑO DEL PROYECTO APORTE A ESTA AUTORIDAD, LA CANTIDAD DE QUINIENTOS DÓLARES (\$500.00) POR CADA CANTIDAD DE VIVIENDA, O SU EQUIVALENTE POR CONECTARSE Y HACER USO DEL SISTEMA DE DISTRIBUCIÓN DE AGUA.



 TYPICAL CLEAN OUT DETAILS
NO A ESCALA



DETALLE DE CONTADOR

PLUMBING GENERAL NOTES

1. ALL PLUMBING WORK SHALL BE IN STRICT ACCORDANCE WITH THE DEPARTMENT OF HEALTH OF P.R., THE LOCAL BUILDING CODE, THE NATIONAL PLUMBING CODE (A.S.A. 4 40-1955) AND THE SPECIFICATIONS ISSUED FOR THIS PROJECT.
2. CLEAN OUTS SHALL BE OF THE SAME NOMINAL SIZE AS THE PIPE DIAMETER UP TO 4".
3. THE CONTRACTOR SHALL FURNISH AND SET IN PLACE BEFORE CONCRETE POURING ALL NECESSARY SLEEVES FOR WASTE OR SOIL, COLD WATER LINES. THESE SLEEVES SHALL BE AS PER THE SPECIFICATIONS.
4. THE PLUMBING CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF THE PIPING TO AVOID ANY INTERFERENCE WITH PIPING AND/OR EQUIPMENT BEING INSTALLED BY OTHER CONTRACTORS.
5. FOR FIXTURES AND/OR EQUIPMENT NOT LISTED IN THE SCHEDULE, SEE THE SPECIFICATIONS.
6. CLEAN OUTS SHALL BE PLACED AS SHOWN ON DRAWINGS.
7. THE CONTRACTOR SHALL VERIFY IN FIELD ALL INVERT ELEVATIONS AND SHALL MAKE ANY NECESSARY ADJUSTMENT AS REQUIRED BY FIELD CONDITIONS AND AS REQUIRED, TO OBTAIN THE PROPER SLOPES.
8. IT IS THE INTENTION OF THE DRAWINGS TO CALL FOR FINISHED WORK, COMPLETE, TESTED AND READY FOR OPERATION. MINOR DETAILS NOT SO FORMED OR SPECIFIED, BUT NECESSARY FOR THE PROPER INSTALLATION AND FOR FUNCTIONING AND OPERATION OF THE SYSTEM SHALL BE THE WORK OF THE BIDDER TO BE DONE BY CONTRACTOR.
9. BIDDER SHALL VISIT THE BUILDING AND ADJACENT THEMSELVES WITH THE CONDITIONS AS THEY ACTUALLY EXIST AND VERIFY DIMENSIONS, LOCATIONS AND DETAILS REQUIRED TO COMPLETE THE WORK, WHICH WILL BE THE ONLY INFORMATION FOR POTENTIAL CONTRACTOR TO SET THE SITE. FAILURE TO VISIT THE PROJECT AREA WILL BE AT THE RISK OF THE BIDDER. BIDDER OF FURNISHING ALL MATERIAL AND PERFORMING ALL WORK REQUIRED FOR THE COMPLETION OF THE CONTRACT. VISITS TO THE PROJECT AREA SHALL BE ARRANGED THROUGH THE OWNER.
10. NOT EXPOSED VALVES SHALL BE PROVIDED WITH ACCESS IN THE WALL OR FLOOR FOR THE OPERATION AND MAINTENANCE.
11. THE CONTRACTOR SHALL, WITHOUT EXTRA CHARGE, MAKE REASONABLE MODIFICATIONS IN THE LAYOUT, AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK.
12. CONTRACTOR SHALL LOCATE IN FULLY ACCESSIBLE POSITIONS ALL EQUIPMENT WHICH MUST BE SERVICED, OPERATED, OR MAINTAINED.
13. INSTALL WATER HAMMER ARRESTER AS PER PCH-WH-201.
14. ALL UNDERGROUND COPPER FINING SHALL BE TYPE "K" DIAMETER AS INDICATED.
15. ALL COPPER PIPING ABOVE FINISH FLOOR SHALL BE TYPE "L", DIAMETER AS INDICATED.
16. ALL PIPING SHALL BE CONCEALED IN FLOOR TOPPINGS, WALL OR CHASES UNLESS OTHERWISE NOTED.
17. LONG SWEEP BENDS OR LONG SWEEP FITTINGS SHALL BE PROVIDED AT THE BASE OF ALL STACKS.
18. CLEAN OUTS SHALL NOT BE NO MORE THAN 50 FEET APART.
19. THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR FOR LEAVING SLEEVES, S.A.B.S OR BEAMS FOR PIPING LAYOUT AND FIXTURES INSTALLATION.
20. ALL FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER SPECIFICATIONS.
21. THE PLUMBING WORK, SHALL BE IN ACCORDANCE WITH THE LATEST LOCAL BUILDING CODE, THE NATIONAL STANDARD PLUMBING CODE, THE DEPARTMENT AND THE SPECIFICATIONS ISSUED FOR THE PROJECT.
22. SIZES SHOWN IN FITTERS SCHEDULE ARE MINIMUM AND SHALL BE INCREASED AS NECESSARY TO COMPLY WITH CODE REQUIREMENTS OR AS SHOWN ON DRAWINGS.

CAUTION WATER LINE BURIED BELOW
PRASA PRASA
PELIGRO TUBERIA AGUA POTABLE SOTERRADA

DETALLE DE CINTA DE PRECAUCION

NO. 4 ESCALA

23. NO EXPOSED VALVES SHALL BE PROVIDED WITH ACCESS IN THE WALL OR FLOOR FOR THE OPERATION AND MAINTENANCE. ACCESS SHALL BE AS SPECIFY OR REQUIRED BY ARCHITECT OR ENGINEER.
24. SINGLE AND DOUBLE TEES AND QUARTER BENDS SHALL BE USE IN LINES ONLY WHERE THE DIRECTION OF FLOW IS FROM THE HORIZONTAL TO THE VERTICAL.
25. ALL HORIZONTAL POSITIONS OF SLOP STACKS AND BRANCHES SHALL HAVE MINIMUM SLOPE OF 1" PER FOOT FOR PIPES 3" DIAMETER OR LESS 1" FOR PIPES 4" OR LARGER DIAMETER.
26. THE PLUMBING CONTRACTOR SHALL COORDINATE THIS WORK IN ORDER TO AVOID ANY INTERFERENCE WITH THE WORK OF OTHER CONTRACTORS AND THE INSTALLATION OF FIXTURES AND/OR EQUIPMENT BY OTHERS.
27. WATER HAMMER ARRESTER SHALL BE INSTALLED IN ALL WATER DISTRIBUTION BRANCHES. WHENEVER INDICATED ON THE DRAWINGS BY THE MANUFACTURER RECOMMENDATIONS, SAME SHALL BE SERIES 500, MODELS AS SHOWN ON LEGEND.
28. WATER HAMMER ARRESTER INSTALLED ON WALL SHALL BE PROVIDED WITH 12"X12" FRAME, WITH HINGES LOCKED DOOR. MODEL JAY R. SMITH FGE 4762-SL WITH ITS BOTTOM AT 18" ABOVE FINISH FLOOR ELEVATION.
29. GATE VALVES LOCATED UNDERGROUND OR BELOW FLOOR SLABS SHALL BE INSTALLED WITHIN A CAST IRON OR CONCRETE BOX WITH X 9 LR. SMITH ACCESS COVE FGE 4915-U.
30. PLUMBING CONTRACTOR SHALL PROVIDE ALL NECESSARY SERVICES AND/OR EQUIPMENT SHOWN ON THE FIXTURES PLANS.
31. PLUMBING CONTRACTOR SHALL PROVIDE ALL NECESSARY ROUGH-IN AND INSTALL THE PLUMBING FIXTURES INDICATED ON THESE DRAWINGS.
32. WHENEVER REQUIRED OR NEEDED, THE PLUMBING CONTRACTOR SHALL PREPARE AND SUBMIT THE NECESSARY SHOP DRAWINGS FOR THE APPROVAL OF THE ARCHITECT OR ENGINEER.
33. BEFORE STARTING CONSTRUCTION, THE PLUMBING CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND ELEVATIONS OF EXISTING PIPE LINES TO REMAIN IN USE. ANY SIGNIFICANT DISCREPANCY WITH THE EXISTING RECORD DRAWINGS SHALL BE NOTIFIED TO THE ARCHITECT OR ENGINEER FOR REVIEWING.
34. ALL EXPOSED HOT WATER LINES SHALL BE INSULATED WITH 1-1/2" THICK MATERIAL, WITH A THERMAL CONDUCTIVITY NOT TO EXCEED 0.028TU PER SQ INCH PER HOUR AT TEMPERATURE OF 75F.
35. FIXTURES, FITTINGS, ACCESSORIES, MATERIAL AND ALL PLUMBING COMPONENTS SHALL BE AS PER SPECIFICATION ON THESE DRAWING AND A/PAS SRETSPECIFICATION. EQUAL OR SIMILAR SHALL BE ONLY ACCEPTED IF PREVIOUSLY APPROVED BY THE ARCHITECT OR ENGINEER.
36. PROVIDE TRAP PINTER CONNECTION FOR FLOOR DRAINS.

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TEL. 787-891-8256



Gallery Plaza
Estacion Esq. Juan Gonzalez
Pueblo, Isabela, PR

Nombre de la obra DETALLES DE PLOMERIA		Nro. Hoja PL-5	
Fecha 11 Oct 2023		Hoja 26 de 31	
Escala 1:100			

J.V.	

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SITE PROPUESTO ALCANTARILLADO SANITARIO

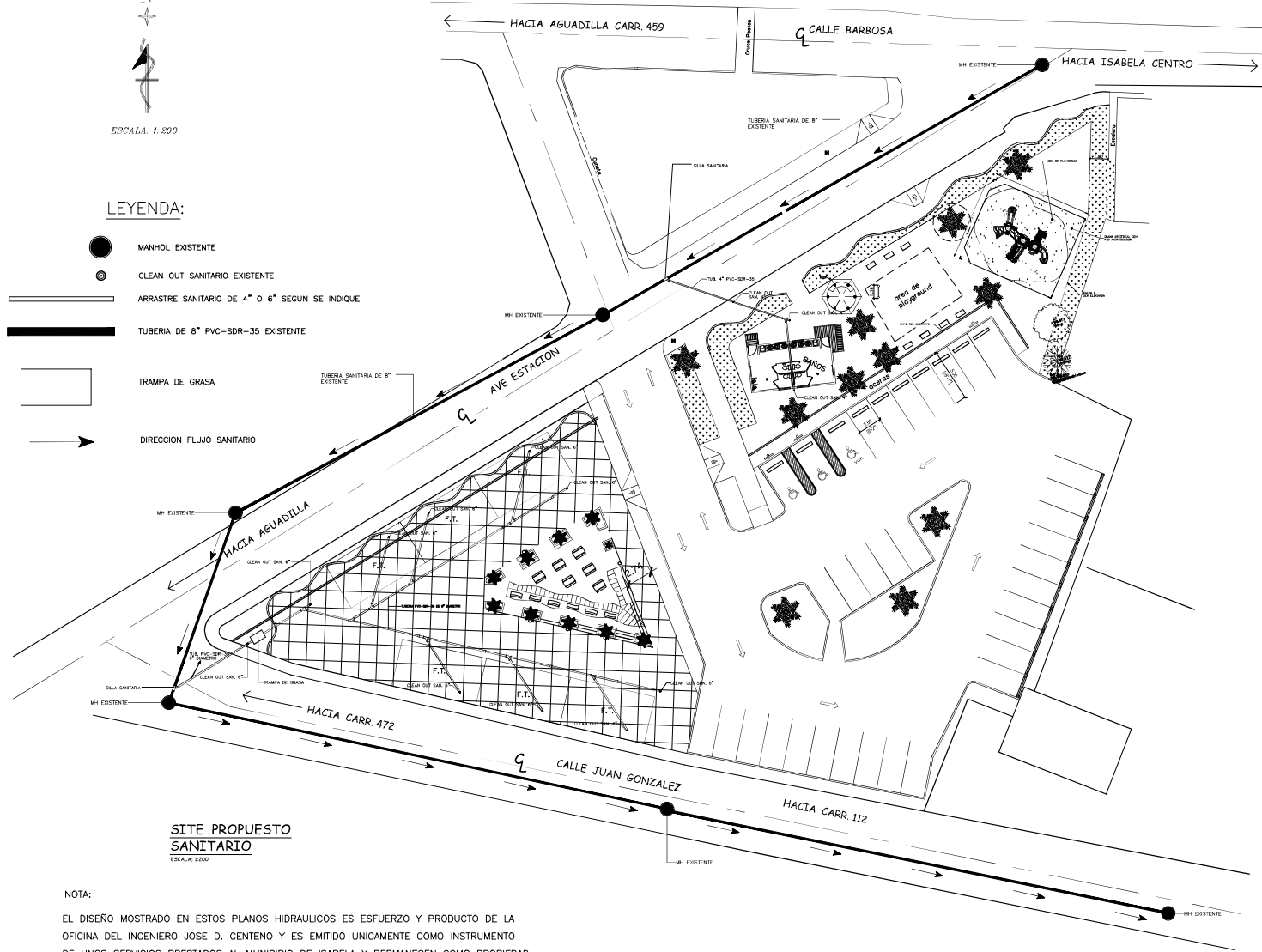
AREA PARA ESTACIONAR "FOOD TRUCKS" Y CONSTRUCCION DE
BAÑOS CON AREA DE ESTACIONAMIENTOS,
Radicado en la Ave Estacion esq. Juan Gonzalez,
Bo. PUEBLO, ISABELA, PR



ESCALA: 1:200

LEYENDA:

- MANHOL EXISTENTE
- CLEAN OUT SANITARIO EXISTENTE
- ARRASTRE SANITARIO DE 4" O 6" SEGUN SE INDIQUE
- TUBERIA DE 8" PVC-SDR-35 EXISTENTE
- TRAMPA DE GRASA
- DIRECCION FLUJO SANITARIO



**SITE PROPUESTO
SANITARIO**
ESCALA: 1:200

NOTA:

EL DISEÑO MOSTRADO EN ESTOS PLANOS HIDRAULICOS ES ESFUERZO Y PRODUCTO DE LA OFICINA DEL INGENIERO JOSE D. CENTENO Y ES EMITIDO UNICAMENTE COMO INSTRUMENTO DE UNOS SERVICIOS PRESTADOS AL MUNICIPIO DE ISABELA Y PERMANECEN COMO PROPIEDAD DE ESTA OFICINA Y NO DEBEN SER USADOS, COPIADOS, REPRODUCIDOS O EXHIBIDOS SIN LA PREVIA AUTORIZACION ESCRITA DEL PROPONENTE.



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Y: 273911.5271

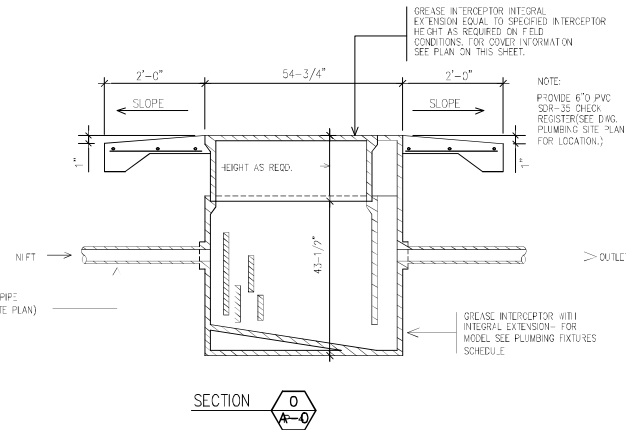
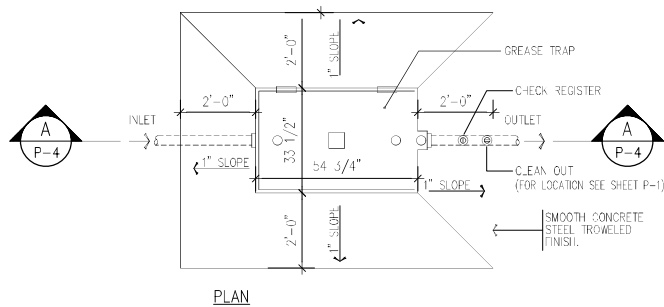
Ing. JOSÉ D. CENTENO CALERO
INGENIERO EN CIVIL
P.O. BOX 448
AGUADILLA, PR 00605
TEL: 787-891-8256



Gallery Plaza
Carr. PR 459
Bo. Pueblo, ISABELA, PR

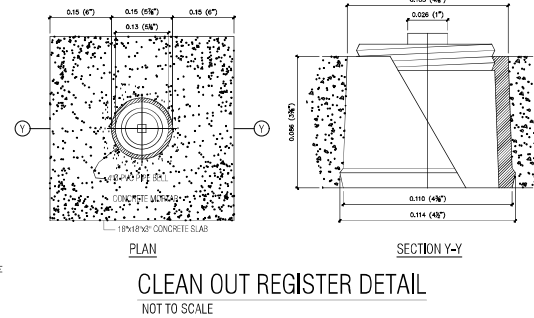
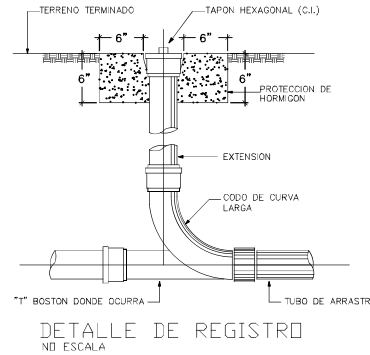
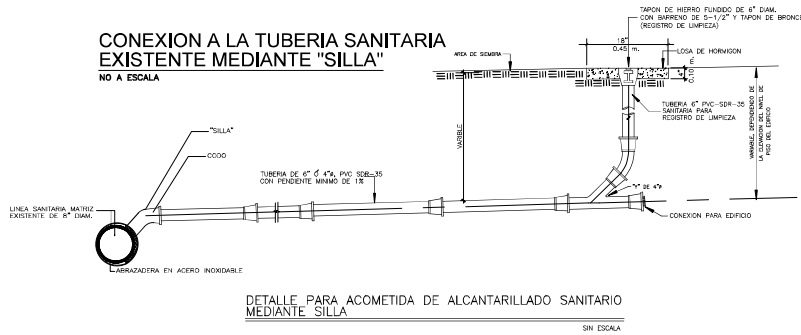
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PLANO SANITARIO	11 Oct 2023	1:200
FECHA	FECHA	FECHA
ELABORADO POR:	REVISADO POR:	APROBADO POR:

AAA-R0-21-37-0018
2021-370398-SRI-044155
PR-CRP-000981



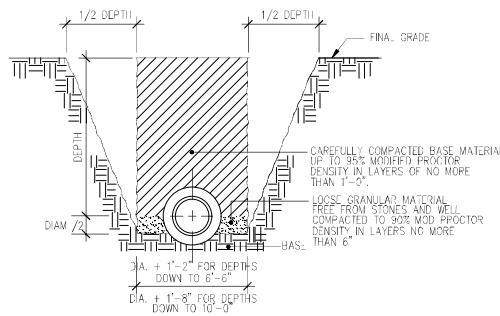
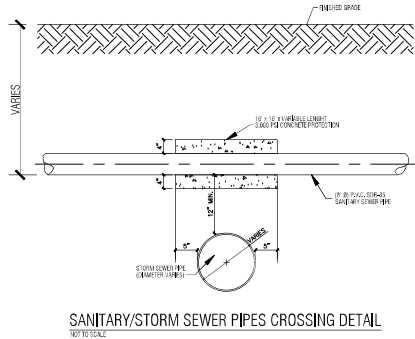
GREASE TRAP
N.T.S.

CONEXION A LA TUBERIA SANITARIA
EXISTENTE MEDIANTE "SILLA"
NO A ESCALA



NOTAS DE ALCANTARILLADO SANITARIO:

1. LA INFILTRACION O LA EXFILTRACION DE AGUA EN LAS TUBERIAS NO SERA MAYOR DE 50 gal/plg. DE DIAMETRO POR MILLA DE LONGITUD DE TUBERIA EN 24 HORAS. EL CONTRATISTA PROVEERA LOS MEDIOS, SEGUN LO REQUIERA EL INSPECTOR DE LA A.A.A., PARA LLEVAR A CABO LAS PRUEBAS EN LAS SECCIONES DE CUCHARAS QUE ESTE LE INDIQUE.
2. TODA TUBERIA QUE NO LLENE LOS REQUISITOS DE LAS PRUEBAS SERA REPARADA POR EL CONTRATISTA Y SOMETIDA A PRUEBA HASTA QUE SEA APROBADA DEFINITIVAMENTE POR EL INSPECTOR DE LA A.A.A.
3. LA A.A.A. SE RESERVA EL DERECHO DE REQUERIR CUALQUIER CAMBIO QUE POR OMISION O ERROR INVOLUNTARIO NO SE HAYA INCLUIDO EN EL PROYECTO, Y A SU JUICIO, SEA NECESARIO PARA EL BUEN FUNCIONAMIENTO DEL SISTEMA DE ALCANTARILLADO SANITARIO.
4. TODAS LAS DISTANCIAS ESTAN EXPRESADAS EN METROS, A MENOS QUE SE ESPECIFIQUE LO CONTRARIO.
5. LA TUBERIA SANITARIA DE LOS ARRASTRES DESDE EL CLEAN OUT SANITARIO MAS PROXIMO A LA LINEA COLECTORA HASTA ESTA SERA DE PVC-SDR-35 Y EL DIAMETRO SERA SEGUN SE INDICA EN EL PLANO. ASI TAMBIEN LA TUBERIA SANITARIA INTERNA SERA DE 6" O 4" DE DIAMETRO PVC-SDR-35 SEGUN SE INDICA EN LOS PLANOS.
- 6.- SE INSTALARAN DOS TRAMPAS DE GRASAS SEGUN SE ESPECIFICA EN EL PLANO.



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INGENIERO
LICENCIADO
P.R.C. #20206
PUERTO RICO

Gallery Plaza
Corr. PR 459
San Juan, ISABELA, PR

DET. SANITARIOS 11 Oct 2023 1:200	PL-7 28 31	DISEÑADO POR:
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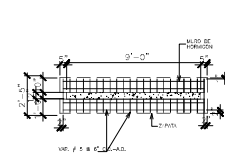
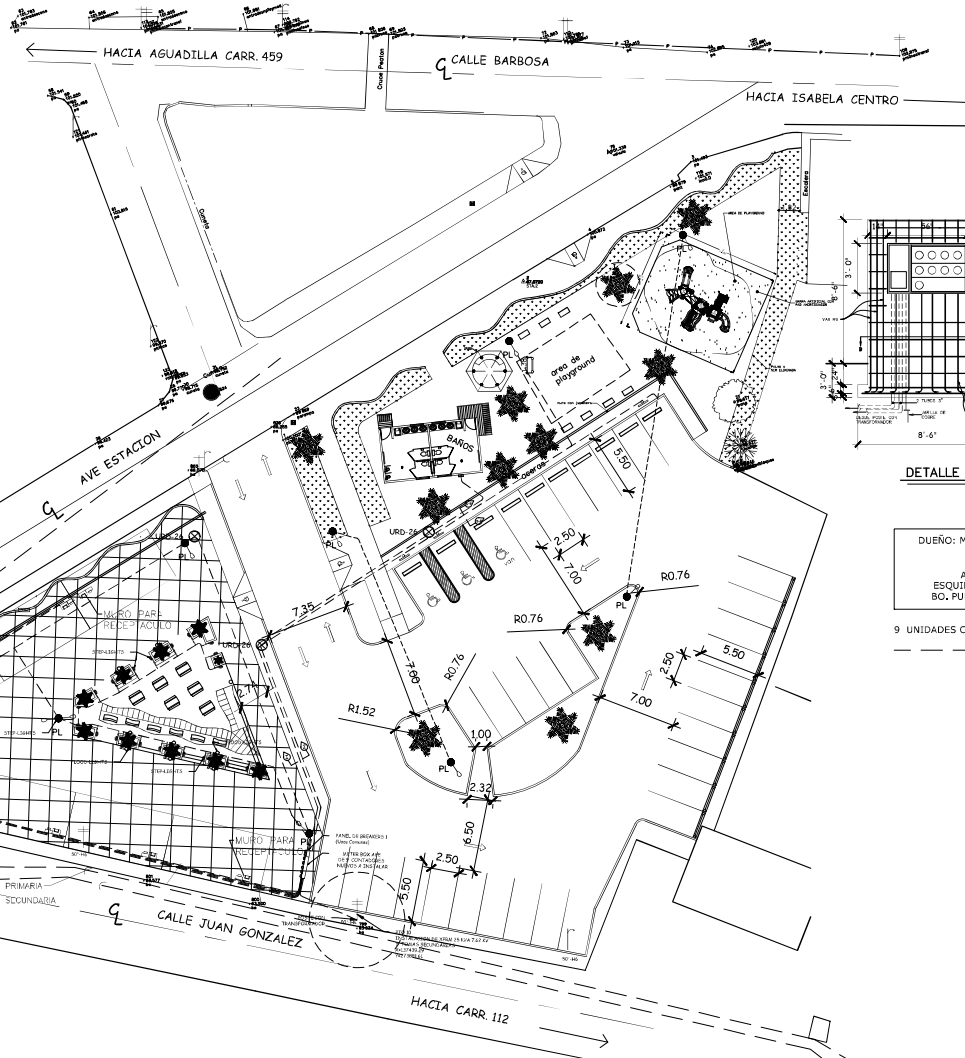
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2021-370398-SRI-044155
PR-CRP-000981

PLANO ELECTRICO

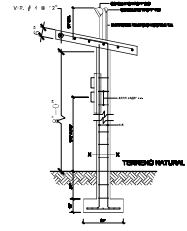
AREA PARA ESTACIONAR "FOOD TRUCKS" Y CONSTRUCCION DE
BAÑOS CON AREA DE ESTACIONAMIENTOS,
Radicado en la Ave Estacion esq. Juan Gonzalez,
Bo. PUEBLO, ISABELA, PR



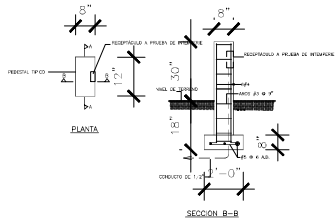
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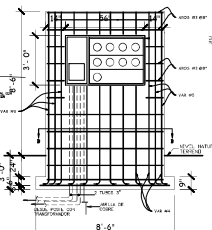
DETALLE DE ZAPATA
ESCALA 1:100-1:150



ESCALA 1:100-1:150



DETALLE PEDESTAL CON TOMA CORRIENTE
ESCALA



DETALLE DE PEDESTAL ELECTRICO
ESCALA 1:100-1:150

DUÑO: MUNICIPIO AUTONOMO
DE ISABELA
AVE/ESTACION
ESQUINA JUAN GONZALEZ
BO, PUEBLO, ISABELA, PR.

9 UNIDADES COMERCIALES PROPUESTAS

LEYENDA

- POSTE HORMIGON
- POSTE HORMIGON CON TRANSFORMADOR
- POSTE MADERA CON TRANSFORMADOR Y LUMINARIA
- POSTE DE MADERA CON LUMINARIA
- POSTE DE MADERA
- POSTE HORMIGON CON LUMINARIA
- TENSOR
- PEDESTAL ELECTRICO
- NEWU POSTE CON LUMINARIA
- STEP-LIGHTS
- MURO PARA RECEPTACULO
- REGISTRO SANITARIO
- CONTACTOR A.A.A.
- VALVULA A.A.A.
- MANHOLE
- ELEVACIONES PROPUESTAS
- PEDESTAL DE SERVIDOR (CONTENEDOR)

NOTAS PARA PLANOS DE CONSTRUCCION ELECTRICA:

NOTAS GENERALES

1. Estos planos concuerdan con los planos de inspeccion radicados en la Administracion de Regeneracion y Promocion (ARE).
2. El dueño del proyecto es responsable de gestionar y obtener, antes de la fecha de comienzo de la obra, todos los permisos, licencias y autorizaciones requeridas por entidades gubernamentales, estatales, municipales, federales y privadas concernientes al desarrollo del tipo de proyecto propuesto.
3. El dueño de esta obra tiene que controlar los servicios de un ingeniero licenciado y completo que inspeccionen la construcción de las obras eléctricas de acuerdo con la Ley No. 7 del 28 de julio de 1988, según enmendada, y con el Reglamento de Certificación de Planos de Proyectos de Construcción Eléctrica de la ARE según. El dueño tendrá que notificar a la ARE la finalización de este respectu antes del comienzo del proyecto.
4. La ubicación de las obras eléctricas, según muestran en estos planos, deberá observar la mejor práctica de la industria eléctrica y construcción de acuerdo con las normas y reglamentación adoptadas por la ARE y, según documentos, al igual que con los códigos, NEC y NESC, y siendo consciente de ENE, NFPA, NFPA y otros estándares.
5. El contratista no está autorizado a hacer variaciones a este diseño. Es responsabilidad del contratista controlar que el diseñador y el ingeniero responsable para esta obra cumplan con las normas de la interpretación de los planos, la ejecución de las obras propuestas, especificaciones técnicas de designación entre los componentes eléctricos, en el campo y cualquier otro para propósitos de diseño.
6. El dueño y el contratista deberán notificar a la ARE el comienzo de esta obra, mediante la entrega del documento notificado de Comienzo de Proyecto no el Departamento de Regeneración y Promoción de la Región correspondiente, con que la misma se le dé de alta y de alta a la fecha propuesta.
7. El ingeniero responsable y el contratista eléctrico son responsables de asistir a una reunión de coordinación a coordinar con el Departamento de Regeneración y Promoción de la Región correspondiente.
8. Entre el tiempo y tiempo de emergencia, respectivamente la conexión de una obra, como que se establece por la ARE. El contratista tiene que reportar todos los costos de repare, materiales y labor. El propietario tiene que notificar a la ARE un contrato para esta obra, el cual tendrá una vigencia de tres meses desde la recepción.
9. Se prohíbe la realización de cualquier tipo de trabajo en las líneas de transmisión eléctrica sin la autorización por escrito de la ARE.
10. La ARE no aprobará la conexión de proyectos con condiciones de conexión de suministro o que no cumplan con los requisitos de seguridad eléctrica.

SITE PROPUESTO
ESCALA: 1:200

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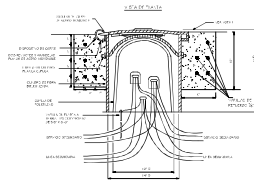
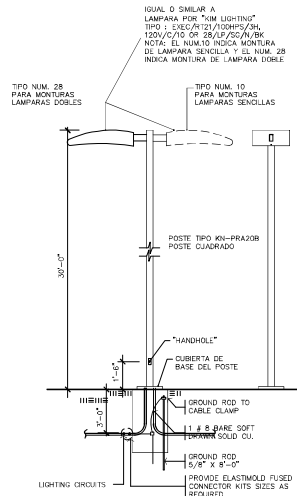


Gallery Plaza
Carr. PR 459
Bo. Pueblo, ISABELA, PR

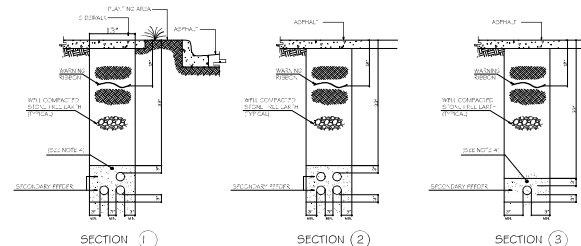
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11 Oct 2023	1:200	
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PR-CRP-000981

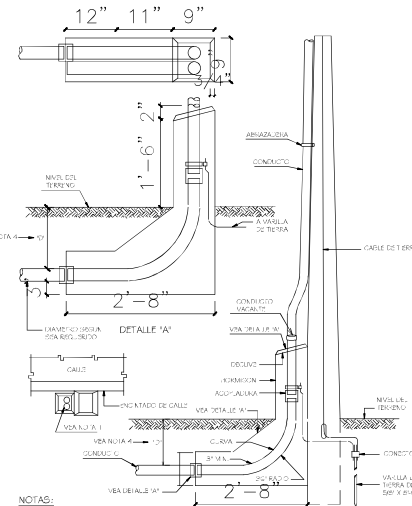
1. El dueño del proyecto es responsable de gestionar y obtener, antes de la fecha de comienzo de la obra, todos los endosos, permisos y servidumbres requeridas por entidades gubernamentales, estatales, municipales, federales y privadas concernientes al desarrollo del tipo de proyecto propuesto.
2. El dueño de esta obra tiene que contratar los servicios de un ingeniero licenciado y colegiado que inspeccione la construcción de las obras eléctricas de acuerdo con la Ley Núm. 7 del 19 de julio de 1985, según enmendada, y con el Reglamento de Certificación de Planos de Proyectos de Construcción Eléctrica de la AEE vigente. El dueño tendrá que notificar a la AEE la designación de este inspector privado antes del comienzo del proyecto.
3. La ejecución de las obras eléctricas, según el Reglamento de Certificación de Planos de Proyectos de la industria eléctrica y construcción de acuerdo con las normas y reglamentación adoptadas por la AEE y agencias concernientes, al igual que con los códigos NEC y NESC, y demás estándares de IEEE, NFPA, NEMA y ANSI adoptados.
4. El contratista no está autorizado a hacer variaciones a este diseño. Es responsabilidad del dueño de la obra construir y diseñar un inspector de propiedad para esta obra cualquier duda que surja de la interpretación de los planos, de la ejecución de las obras propuestas, especificaciones técnicas o discrepancias entre las condiciones existentes en el campo y aquellas utilizadas para propósitos de diseño.
5. El dueño o contratista eléctrico notificará a la AEE el comienzo de estas obras, mediante el envío del documento Notificación de Comienzo de Proyecto en el Departamento de Ingeniería de Distribución de la Región correspondiente, con por lo menos quince días de anticipación a la fecha propuesta.
6. El inspector privado y el contratista eléctrico son responsables de asistir a una reunión de pre-construcción a coordinarse con el Departamento de Ingeniería de Distribución de la Región correspondiente.
7. Todo trabajo a realizarse en líneas energizadas, incluyendo la conexión de esta obra, tiene que ser realizado por la AEE. El proponente tiene que asumir todos los costos de equipo, materiales y labor. El proponente tiene que solicitar a la AEE un estimado para estos trabajos, el cual tendrá una vigencia de tres meses desde su expedición.
8. Se prohibirá la realización de cualquier tipo de trabajo en las franjas de servidumbre eléctrica sin la autorización por escrito de la AEE.
9. La AEE no aprobará la conexión de proyectos con condiciones de invasión de servidumbre o que no cumplan con los despejes de seguridad requeridos.
10. El dueño del proyecto oportuno a la AEE: la cantidad de \$ 1,100.00 para mejorar el sistema eléctrico de esta obra. Esta aportación se realiza según la obra propuesta de acuerdo con el Reglamento para Determinar las Aportaciones de las Personas o Instituciones en Proyectos de Desarrollo vigente.


$$\underline{ND} \cdot \mathcal{K}^2$$

1. Todos los equipos a utilizarse en la construcción tienen que cumplir con los estándares de IEEE, ANSI, NEMA y ASTM.
2. El contratista es responsable de verificar con la AEE que todo material o equipo a utilizarse está aprobado por la AEE previo a su instalación. La AEE se reserve el derecho de aceptar cualquier equipo que se le vaya a transferir.
3. Todo equipo y material (incluyendo transformadores y gabinetes de subestaciones) a ser instalados a una milla o menos de distancia de cuerpos de agua salada tiene que ser construido en acero inoxidable, con excepción de los bases de medidores.
4. El contratista será responsable de rotular todo transformador a ser transferido a la AEE con un número de propiedad provisto por el Departamento de Ingeniería de Distribución correspondiente.



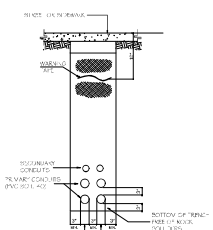
URD-4 CONDUCTO ASCENDENTE PARA DISTRIBUCION
SOTERRADA PRIMARIA Y SECUNDARIA



NOTAS:

1. EL CONDUCTO RIGIDO ASIGNADO SEHA INSTALADO PARALELO A LA CALLE.
2. LAS ARCADEAS SERAN DE TIPO "STURUT" EN ACERO GALVANIZADO.
3. CUANDO EL PROYECTO ESTE UBICADO A MENOS DE UNA MILLA SE UTILIZARA ACERO INOXIDABLE COMO MATERIAL PARA LAS ARCADEAS.
4. LA "PROFUNDIDAD MINIMA" DE SERA 48" PARA DISTRIBUCION PRIMARIA Y 36" PARA DISTRIBUCION SECUNDARIA.

URD-4 CONDUCTO ASCENDENTE PARA DISTRIBUCION
SOTERRADA PRIMARIA Y SECUNDARIA



TRENCH DETAIL OF PRIMARY FEEDER
NOT TO SCALE

CENTRO DE INVESTIGACION Y DESARROLLO DETALLES ELECTRICOS		No. de Hoja EL-1
Fecha 11 Oct 2023	Hora 1:00	No. 31
TUBERIAS 1-200		31
3V		DIBUJANDO POR:

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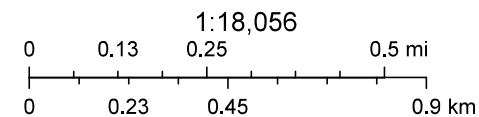
Exhibit 7 Contamination and Toxic Substance Map

PR-CRP-000981 Gallery Plaza
Road 472 and Juan González St, Isabela, PR
00662 Coordinates 18.500198, -67.025665



Legend:

-  Water Dischargers (NPDES)
-  Water Dischargers (NPDES)
-  Hazardous Waste
-  (RCRAInfo)
-  Project Buffer - 3,000 ft
-  Project Site



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





Detailed Facility Report

Facility Summary

ISABELA WWTP

ROAD #466, PESQUERA VILLAGE, ISABELA, PR 00662

FRS (Facility Registry Service) ID: 110066934189

EPA Region: 02

Latitude: 18.5051

Longitude: -67.0187

Locational Data Source: NPDES

Industries: --

Indian Country: N

Enforcement and Compliance Summary

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

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): Non-Major, Permit Terminated; Compliance Tracking Off (PRR053062)

Resource Conservation and Recovery Act (RCRA): No Information

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Go To Enforcement/Compliance Details

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110066934189					N	18.5051	-67.0187
ICIS-NPDES	CWA	PRR053062	Non-Major: General Permit Covered Facility	Terminated; Compliance Tracking Off	Industrial Stormwater	06/03/2020	N	18.5051	-67.0187

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110066934189	ISABELA WWTP	ROAD #466, PESQUERA VILLAGE, ISABELA, PR 00662	
ICIS-NPDES	CWA	PRR053062	ISABELA WWTP	ROAD #466, PESQUERA VILLAGE, ISABELA, PR 00662	Isabela Municipio

Facility SIC (Standard Industrial Classification) Codes

Facility NAICS (North American Industry Classification System) Codes

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

Facility Industrial Effluent Guidelines

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

No data records returned

Facility Tribe Information

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

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
No data records returned							

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CWA	PRR053062	No	03/31/2025	0	08/08/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12	QTR 13
	CWA (Source ID: PRR053062)	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-06/30/25
	Facility-Level Status	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit
	Quarterly Noncompliance Report History													

Informal Enforcement Actions

Last 5 Years

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

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

Formal Enforcement Actions

Last 5 Years

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

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
210100020507	Non-contributing area-Name not assigned	COASTAL SEGMENT OF PUNTA SARDINA	No	No	--	Yes

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
PR	2024	PRNQ2A	QUEBRADA DEL TORO	Unknown - With Restoration Plan	--	Not Assessed	Insufficient Information	--	Insufficient Information	--

Air Quality Nonattainment Areas

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

Pollutants

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

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

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

Chemical Name

No data records returned

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

DMR and TRI Multi-Year Loading Report

NPDES ID	Description
No data records returned	

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))	
Total Persons	7,086
Population Density	3,192/sq.mi.
Housing Units in Area	3,842
Percent People of Color	99%
Households in Area	2,671
Households on Public Assistance	173
Persons With Low Income	5,442
Percent With Low Income	77%
Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.5051
Center Longitude	-67.0187
Total Area	3.121 sq.mi.
Land Area	71%
Water Area	29%
Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	1,143 (42.84%)
\$15,000 - \$25,000	577 (21.63%)
\$25,000 - \$50,000	522 (19.57%)
\$50,000 - \$75,000	186 (6.97%)
Greater than \$75,000	240 (9%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	196 (3%)
Minors 17 years and younger	858 (12%)
Adults 18 years and older	6,228 (88%)
Seniors 65 years and older	1,788 (25%)
Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	3,997 (56%)
African-American	538 (8%)
Hispanic-Origin	6,891 (97%)
Asian	18 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	51 (1%)
Other/Multiracial	1,574 (22%)
Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	876 (15.46%)
9th through 12th Grade	379 (6.69%)
High School Diploma	1,914 (33.79%)
Some College/2-year	455 (8.03%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,409 (24.87%)



Detailed Facility Report

Facility Summary

ISABELA TRUNK SEWER REPLACEMENT

STATE ROADS PR-112, PR-113 AND PR-466, ISABELA, PR 00662

FRS (Facility Registry Service) ID: 110071896458

EPA Region: 02

Latitude: 18.5006

Longitude: -67.027

Locational Data Source: NPDES

Industries: --

Indian Country: N

Enforcement and Compliance Summary

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

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): Non-Major, Permit Effective (PRR1000L1)

Resource Conservation and Recovery Act (RCRA): No Information

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Go To Enforcement/Compliance Details

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110071896458					N	18.5006	-67.027
ICIS-NPDES	CWA	PRR1000L1	Non-Major: General Permit Covered Facility	Effective	Construction Stormwater	02/16/2027	N	18.5006	-67.027

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110071896458	ISABELA TRUNK SEWER REPLACEMENT	STATE ROADS PR-112, PR-113 AND PR-466, ISABELA, PR 00662	
ICIS-NPDES	CWA	PRR1000L1	ISABELA TRUNK SEWER REPLACEMENT	STATE ROADS PR-112, PR-113 AND PR-466, ISABELA, PR 00662	

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 Industrial Effluent Guidelines

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

Facility Tribe Information

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
No data records returned							

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CWA	PRR1000L1	No	03/31/2025	0	08/08/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12	QTR 1
CWA (Source ID: PRR1000L1)		04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-06/30/25
Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	Undetermined
Quarterly Noncompliance Report History														

Informal Enforcement Actions

Last 5 Years

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

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

Formal Enforcement Actions

Last 5 Years

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

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (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?
210100020507	Non-contributing area-Name not assigned	ATLANTIC OCEAN (PUNTA SARDINA TO MANGLILLO)	No	No	--	Yes

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
PR	2024	PRNQ2A	QUEBRADA DEL TORO	Unknown - With Restoration Plan	--	Not Assessed	Insufficient Information	--	Insufficient Information	--

Air Quality Nonattainment Areas

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

Pollutants

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

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

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

Chemical Name

No data records returned

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

DMR and TRI Multi-Year Loading Report

NPDES ID	Description
No data records returned	

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))	
Total Persons	7,729
Population Density	2,808/sq.mi.
Housing Units in Area	4,162
Percent People of Color	99%
Households in Area	2,881
Households on Public Assistance	149
Persons With Low Income	5,935
Percent With Low Income	77%
Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.5006
Center Longitude	-67.027
Total Area	3.121 sq.mi.
Land Area	88%
Water Area	12%
Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	1,284 (44.55%)
\$15,000 - \$25,000	609 (21.13%)
\$25,000 - \$50,000	501 (17.38%)
\$50,000 - \$75,000	243 (8.43%)
Greater than \$75,000	245 (8.5%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	255 (3%)
Minors 17 years and younger	957 (12%)
Adults 18 years and older	6,770 (88%)
Seniors 65 years and older	1,787 (23%)
Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	4,345 (56%)
African-American	492 (6%)
Hispanic-Origin	7,478 (97%)
Asian	20 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	39 (1%)
Other/Multiracial	1,892 (24%)
Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	1,058 (17.24%)
9th through 12th Grade	452 (7.37%)
High School Diploma	1,961 (31.95%)
Some College/2-year	518 (8.44%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,429 (23.28%)



Detailed Facility Report

Facility Summary

VALASCO ERIC
7 MANUEL CORCHADO JUARBE, ISABELA, PR 00662

FRS (Facility Registry Service) ID: 110070559235
EPA Region: 02
Latitude: 18.501318
Longitude: -67.025373
Locational Data Source: FRS
Industries: Construction of Buildings
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 LQG, (PRR000026468)
Safe Drinking Water Act (SDWA): No Information

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

Other Regulatory Reports

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110070559235					N	18.501318	-67.025373
RCRAInfo	RCRA	PRR000026468	LQG	Active (H)			N	18.501285	-67.0224

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110070559235	VALASCO ERIC	7 MANUEL CORCHADO JUARBE, ISABELA, PR 00662	Isabela Municipio
RCRAInfo	RCRA	PRR000026468	VALASCO ERIC	7 MANUEL CORCHADO JUARBE, ISABELA, PR 00662	Isabela Municipio

Facility SIC (Standard Industrial

Facility NAICS (North American Industry

Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
RCRAInfo	PRR000026468	236220	Commercial and Institutional Building Construction

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	PRR000026468	No	08/09/2025	0	08/08/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: PRR000026468)		10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-06/30/25	07/01-09/30/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	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
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
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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	7,790	Children 5 years and younger	255 (3%)
Population Density	2,885/sq.mi.	Minors 17 years and younger	971 (12%)
Housing Units in Area	4,206	Adults 18 years and older	6,820 (88%)
Percent People of Color	99%	Seniors 65 years and older	1,830 (23%)
Households in Area	2,918		
Households on Public Assistance	157	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	5,976	White	4,375 (56%)
Percent With Low Income	77%	African-American	529 (7%)
		Hispanic-Origin	7,544 (97%)
		Asian	20 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	44 (1%)
		Other/Multiracial	1,869 (24%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	1,027 (16.61%)
Center Latitude	18.501318	9th through 12th Grade	445 (7.2%)
Center Longitude	-67.025373	High School Diploma	2,004 (32.41%)
Total Area	3.121 sq.mi.	Some College/2-year	516 (8.35%)
Land Area	87%	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,476 (23.87%)
Water Area	13%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	1,281 (43.82%)		
\$15,000 - \$25,000	623 (21.31%)		
\$25,000 - \$50,000	526 (18%)		
\$50,000 - \$75,000	240 (8.21%)		
Greater than \$75,000	253 (8.66%)		



Detailed Facility Report

Facility Summary

MUNICIPALITY OF ISABELA

BARBOSA ST. #60, ISABELA, PR 00662

FRS (Facility Registry Service) ID: 110040084333

EPA Region: 02

Latitude: 18.50059

Longitude: -67.02335

Locational Data Source: FRS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	CWA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	03/06/2009
Compliance Status	Not Applicable
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): Non-Major, (PRU201040)

Resource Conservation and Recovery Act (RCRA): No Information

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Go To Enforcement/Compliance Details

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110040084333					N	18.50059	-67.02335
ICIS-NPDES	CWA	PRU201040	Non-Major: Unpermitted Facility				N	18.50063	-67.02335

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110040084333	MUNICIPALITY OF ISABELA	BARBOSA ST. #60, ISABELA, PR 00662	
ICIS-NPDES	CWA	PRU201040	MUNICIPALITY OF ISABELA	BARBOSA ST. #60, ISABELA, PR 00662	Isabela 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 Industrial Effluent Guidelines

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

Facility Tribe Information

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
No data records returned							

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CWA	PRU201040	No	03/31/2025	0	08/08/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12	QTR 1
	CWA (Source ID: PRU201040)	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-06/30/25
	Facility-Level Status	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not App
	Quarterly Noncompliance Report History													

Informal Enforcement Actions

Last 5 Years

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

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

Formal Enforcement Actions

Last 5 Years

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

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
210100020507	Non-contributing area-Name not assigned	--	No	No	--	Yes

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
PR	2024	PRNQ2A	QUEBRADA DEL TORO	Unknown - With Restoration Plan	--	Not Assessed	Insufficient Information	--	Insufficient Information	--

Air Quality Nonattainment Areas

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

Pollutants

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

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

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

Chemical Name
No data records returned

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

DMR and TRI Multi-Year Loading Report

NPDES ID	Description
No data records returned	

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))	
Total Persons	8,255
Population Density	2,978/sq.mi.
Housing Units in Area	4,411
Percent People of Color	99%
Households in Area	3,093
Households on Public Assistance	168
Persons With Low Income	6,312
Percent With Low Income	77%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.50059
Center Longitude	-67.02335
Total Area	3.121 sq.mi.
Land Area	89%
Water Area	11%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	1,315 (42.52%)
\$15,000 - \$25,000	671 (21.69%)
\$25,000 - \$50,000	578 (18.69%)
\$50,000 - \$75,000	245 (7.92%)
Greater than \$75,000	284 (9.18%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	283 (3%)
Minors 17 years and younger	1,075 (13%)
Adults 18 years and older	7,181 (87%)
Seniors 65 years and older	1,922 (23%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	4,634 (56%)
African-American	606 (7%)
Hispanic-Origin	8,010 (97%)
Asian	22 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	48 (1%)
Other/Multiracial	1,944 (24%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	1,045 (16.07%)
9th through 12th Grade	443 (6.81%)
High School Diploma	2,097 (32.25%)
Some College/2-year	542 (8.34%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,643 (25.27%)



Detailed Facility Report

Facility Summary

DEPT OF ED - LUIS MUNOZ RIVERA

BARBOSA 60, ISABELA, PR 00662

FRS (Facility Registry Service) ID: 110004890002

EPA Region: 02

Latitude: 18.500659

Longitude: -67.022648

Locational Data Source: RCRAINFO

Industries: --

Indian Country: N

Enforcement and Compliance Summary

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

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRD987378809)

Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details

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

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110004890002					N	18.500659	-67.022648
RCRAInfo	RCRA	PRD987378809	Other	Inactive ()			N	18.500659	-67.022648

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004890002	DEPT OF ED - LUIS MUNOZ RIVERA	BARBOSA 60, ISABELA, PR 00662	Isabela Municipio
RCRAInfo	RCRA	PRD987378809	DEPT OF ED - LUIS MUNOZ RIVERA	BARBOSA 60, ISABELA, PR 00662	Isabela Municipio

Facility SIC (Standard Industrial

Facility NAICS (North American Industry

Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
No data records returned			

Facility Tribe Information

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

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
No data records returned							

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRD987378809	No	08/09/2025	0	08/08/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA	(Source ID: PRD987378809)	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-06/30/25	07/01-09/30/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	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
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
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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	8,306	Children 5 years and younger	283 (3%)
Population Density	3,001/sq.mi.	Minors 17 years and younger	1,088 (13%)
Housing Units in Area	4,430	Adults 18 years and older	7,216 (87%)
Percent People of Color	99%	Seniors 65 years and older	1,936 (23%)
Households in Area	3,112	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Households on Public Assistance	172	White	4,663 (56%)
Persons With Low Income	6,346	African-American	622 (7%)
Percent With Low Income	77%	Hispanic-Origin	8,066 (97%)
Geography		Asian	22 (0%)
Radius of Selected Area	1 mi.	Hawaiian/Pacific Islander	0 (0%)
Center Latitude	18.500659	American Indian	49 (1%)
Center Longitude	-67.022648	Other/Multiracial	1,944 (23%)
Total Area	3.121 sq.mi.	Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Land Area	89%	Less than 9th Grade	1,036 (15.85%)
Water Area	11%	9th through 12th Grade	439 (6.72%)
Income Breakdown (ACS (American Community Survey)) - Households (%)		High School Diploma	2,110 (32.29%)
Less than \$15,000	1,315 (42.2%)	Some College/2-year	545 (8.34%)
\$15,000 - \$25,000	676 (21.69%)	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,675 (25.63%)
\$25,000 - \$50,000	588 (18.87%)		
\$50,000 - \$75,000	245 (7.86%)		
Greater than \$75,000	292 (9.37%)		



Detailed Facility Report

Facility Summary

DEPT OF ED - LUIS MUNOZ RIVERA

BARBOSA 60, ISABELA, PR 00662

FRS (Facility Registry Service) ID: 110004890002

EPA Region: 02

Latitude: 18.500659

Longitude: -67.022648

Locational Data Source: RCRAINFO

Industries: --

Indian Country: N

Enforcement and Compliance Summary

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

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRD987378809)

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		110004890002					N	18.500659	-67.022648
RCRAInfo	RCRA	PRD987378809	Other	Inactive ()			N	18.500659	-67.022648

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004890002	DEPT OF ED - LUIS MUNOZ RIVERA	BARBOSA 60, ISABELA, PR 00662	Isabela Municipio
RCRAInfo	RCRA	PRD987378809	DEPT OF ED - LUIS MUNOZ RIVERA	BARBOSA 60, ISABELA, PR 00662	Isabela Municipio

Facility SIC (Standard Industrial

Facility NAICS (North American Industry

Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
No data records returned			

Facility Tribe Information

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

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
No data records returned							

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRD987378809	No	08/09/2025	0	08/08/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA	(Source ID: PRD987378809)	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-06/30/25	07/01-09/30/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	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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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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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
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 (%)	
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Housing Units in Area	4,430	Adults 18 years and older	7,216 (87%)
Percent People of Color	99%	Seniors 65 years and older	1,936 (23%)
Households in Area	3,112		
Households on Public Assistance	172	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	6,346	White	4,663 (56%)
Percent With Low Income	77%	African-American	622 (7%)
		Hispanic-Origin	8,066 (97%)
		Asian	22 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	49 (1%)
		Other/Multiracial	1,944 (23%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	1,036 (15.85%)
Center Latitude	18.500659	9th through 12th Grade	439 (6.72%)
Center Longitude	-67.022648	High School Diploma	2,110 (32.29%)
Total Area	3.121 sq.mi.	Some College/2-year	545 (8.34%)
Land Area	89%	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,675 (25.63%)
Water Area	11%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	1,315 (42.2%)		
\$15,000 - \$25,000	676 (21.69%)		
\$25,000 - \$50,000	588 (18.87%)		
\$50,000 - \$75,000	245 (7.86%)		
Greater than \$75,000	292 (9.37%)		



Detailed Facility Report

Facility Summary

HOGAR DE ANCIANOS MUNICIPAL DE ISABELA

PR-112 KM 4.6 BARRIO, ISABELA, PR 00662

FRS (Facility Registry Service) ID: 110015322845

EPA Region: 02

Latitude: 18.499437

Longitude: -67.025448

Locational Data Source: FRS

Industries: Building, Developing, and General Contracting

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, (PRR000016253)

Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details

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

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110015322845					N	18.499437	-67.025448
RCRAInfo	RCRA	PRR000016253	VSQG	Active (H)			N	18.499437	-67.025448

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110015322845	HOGAR DE ANCIANOS MUNICIPAL DE ISABELA	PR-112 KM 4.6 BARRIO, ISABELA, PR 00662	Isabela Municipio
RCRAInfo	RCRA	PRR000016253	HOGAR DE ANCIANOS MUNICIPAL DE ISABELA	CARR 112 KM 4.6 BARRIO, ISABELA, PR 00662	Isabela Municipio

Facility SIC (Standard Industrial

Facility NAICS (North American Industry

Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
RCRAInfo	PRR000016253	23332	Commercial and Institutional Building Construction

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	PRR000016253	No	08/09/2025	0	08/08/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: PRR000016253)		10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-06/30/25	07/01-09/30/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	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
No data records returned										

Air Quality Nonattainment Areas

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

Pollutants

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

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

No data records returned

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

Chemical Name
No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))	
Total Persons	8,249
Population Density	2,901/sq.mi.
Housing Units in Area	4,399
Percent People of Color	99%
Households in Area	3,078
Households on Public Assistance	161
Persons With Low Income	6,312
Percent With Low Income	77%
Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.499437
Center Longitude	-67.025448
Total Area	3.121 sq.mi.
Land Area	91%
Water Area	9%
Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	1,333 (43.32%)
\$15,000 - \$25,000	662 (21.51%)
\$25,000 - \$50,000	548 (17.81%)
\$50,000 - \$75,000	257 (8.35%)
Greater than \$75,000	277 (9%)
Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	289 (4%)
Minors 17 years and younger	1,074 (13%)
Adults 18 years and older	7,174 (87%)
Seniors 65 years and older	1,881 (23%)
Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	4,640 (56%)
African-American	567 (7%)
Hispanic-Origin	7,992 (97%)
Asian	22 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	42 (1%)
Other/Multiracial	1,986 (24%)
Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	1,088 (16.75%)
9th through 12th Grade	456 (7.02%)
High School Diploma	2,061 (31.74%)
Some College/2-year	553 (8.52%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,594 (24.55%)



Detailed Facility Report

Facility Summary

NEWLAND SHOE CO

CARR 112 KM 2.1 BO MORA, ISABELA, PR 00662

FRS (Facility Registry Service) ID: 110004888578

EPA Region: 02

Latitude: 18.499437

Longitude: -67.025448

Locational Data Source: FRS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

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

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PR0001012616)

Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details

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

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110004888578					N	18.499437	-67.025448
RCRAInfo	RCRA	PR0001012616	Other	Inactive ()			N	18.499437	-67.025448

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004888578	NEWLAND SHOE CO	CARR 112 KM 2.1 BO MORA, ISABELA, PR 00662	Isabela Municipio
RCRAInfo	RCRA	PR0001012616	NEWLAND SHOE CO	CARR 112 KM 2.1 BO MORA, ISABELA, PR 00662	Isabela Municipio

Facility SIC (Standard Industrial

Facility NAICS (North American Industry

Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
No data records returned			

Facility Tribe Information

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

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
No data records returned							

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PR0001012616	No	08/09/2025	0	08/08/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA	(Source ID: PR0001012616)	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-06/30/25	07/01-09/30/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	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
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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	8,249	Children 5 years and younger	289 (4%)
Population Density	2,901/sq.mi.	Minors 17 years and younger	1,074 (13%)
Housing Units in Area	4,399	Adults 18 years and older	7,174 (87%)
Percent People of Color	99%	Seniors 65 years and older	1,881 (23%)
Households in Area	3,078		
Households on Public Assistance	161	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	6,312	White	4,640 (56%)
Percent With Low Income	77%	African-American	567 (7%)
		Hispanic-Origin	7,992 (97%)
		Asian	22 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	42 (1%)
		Other/Multiracial	1,986 (24%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	1,088 (16.75%)
Center Latitude	18.499437	9th through 12th Grade	456 (7.02%)
Center Longitude	-67.025448	High School Diploma	2,061 (31.74%)
Total Area	3.121 sq.mi.	Some College/2-year	553 (8.52%)
Land Area	91%	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,594 (24.55%)
Water Area	9%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	1,333 (43.32%)		
\$15,000 - \$25,000	662 (21.51%)		
\$25,000 - \$50,000	548 (17.81%)		
\$50,000 - \$75,000	257 (8.35%)		
Greater than \$75,000	277 (9%)		



Detailed Facility Report

Facility Summary

SHELL SS 1643

AVENIDA AGUADILLA 41, ISABELA, PR 00662

FRS (Facility Registry Service) ID: 110004892698

EPA Region: 02

Latitude: 18.49524

Longitude: -67.02734

Locational Data Source: FRS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

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

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRR000003970)

Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details

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

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110004892698					N	18.49524	-67.02734
RCRAInfo	RCRA	PRR000003970	Other	Inactive ()			N	18.494873	-67.027388

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004892698	SHELL SS 1643	AVENIDA AGUADILLA 41, ISABELA, PR 00662	Isabela Municipio
RCRAInfo	RCRA	PRR000003970	SHELL SS 1643	AVENIDA AGUADILLA 41, ISABELA, PR 00662	Isabela Municipio

Facility SIC (Standard Industrial

Facility NAICS (North American Industry

Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
No data records returned			

Facility Tribe Information

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

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
No data records returned							

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRR000003970	No	08/09/2025	0	08/08/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: PRR000003970)		10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-06/30/25	07/01-09/30/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	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
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

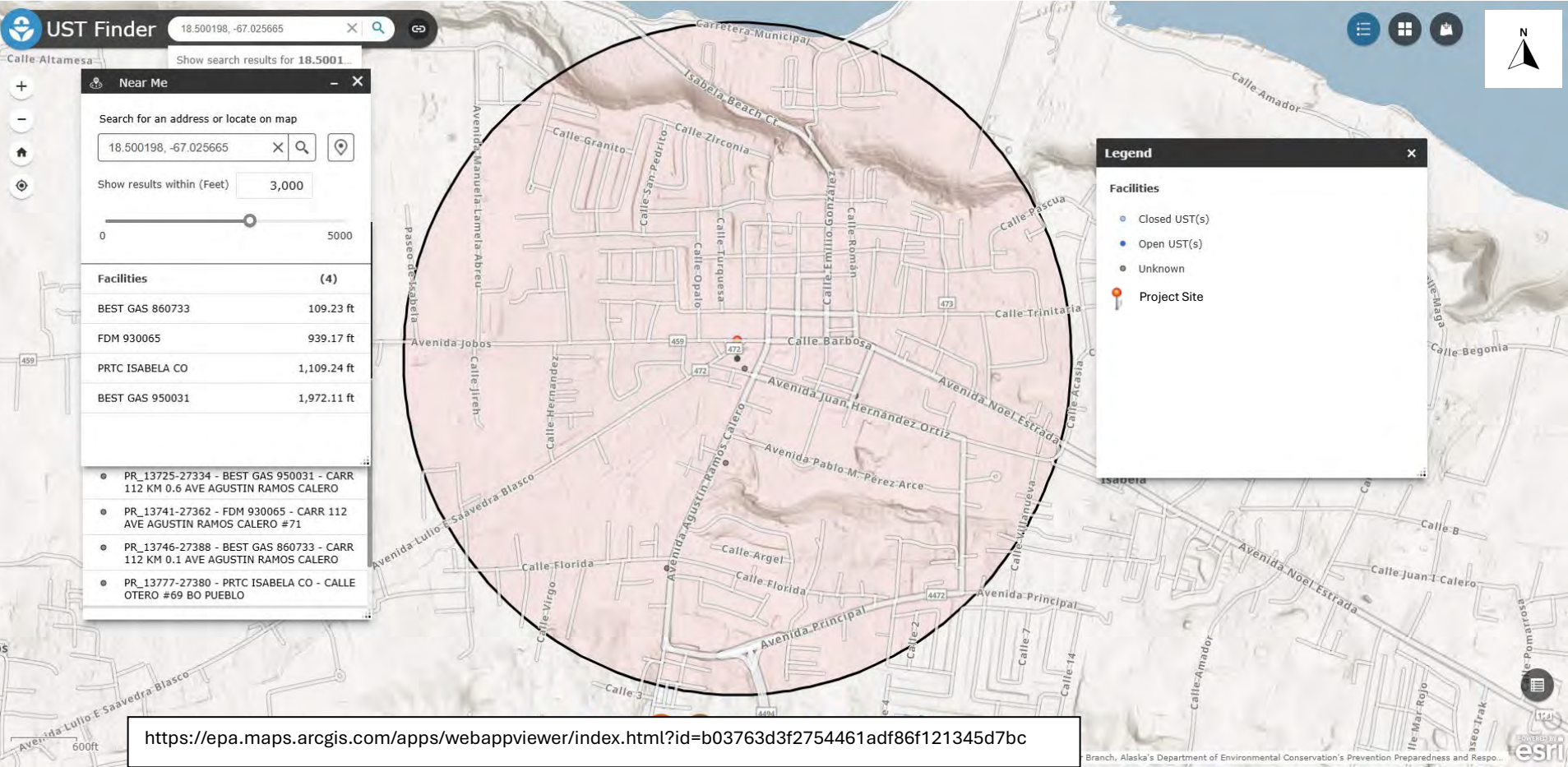
Demographic Profile of Surrounding Area (1-Mile Radius)

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	8,416	Children 5 years and younger	326 (4%)
Population Density	2,816/sq.mi.	Minors 17 years and younger	1,180 (14%)
Housing Units in Area	4,350	Adults 18 years and older	7,236 (86%)
Percent People of Color	99%	Seniors 65 years and older	1,770 (21%)
Households in Area	3,097		
Households on Public Assistance	146	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	6,374	White	4,803 (57%)
Percent With Low Income	76%	African-American	514 (6%)
		Hispanic-Origin	8,157 (97%)
		Asian	25 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	22 (0%)
		Other/Multiracial	2,090 (25%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	1,178 (18.06%)
Center Latitude	18.49524	9th through 12th Grade	440 (6.75%)
Center Longitude	-67.02734	High School Diploma	1,906 (29.23%)
Total Area	3.121 sq.mi.	Some College/2-year	589 (9.03%)
Land Area	96%	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,626 (24.93%)
Water Area	4%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	1,345 (43.5%)		
\$15,000 - \$25,000	662 (21.41%)		
\$25,000 - \$50,000	497 (16.07%)		
\$50,000 - \$75,000	283 (9.15%)		
Greater than \$75,000	305 (9.86%)		

Exhibit 7J UST Map

PR-CRP-000981 Gallery Plaza
Road 372 and Juan González St, Isabela, PR 00662
Coordinates 18.500198, -67.025665





DEPARTMENT OF

HOUSING

GOVERNMENT OF PUERTO RICO

Exhibit 7K



Memorandum to File

Date: August 5, 2025

From: Sol V Rosa Ramos
Env Reviewer – Tetra-Tech
CDBG-DR Program
City Revitalization Program
Puerto Rico Department of Housing

Application Number: PR-CRP-000981

Project: Gallery Plaza

Re: Justification for the Infeasibility and Impracticability of Radon Testing

After reviewing Application Number PR-CRP-000981 Gallery Plaza under the City Revitalization Program, administered by the Puerto Rico Department of Housing (**PRDOH**), to complete the property's contamination analysis in accordance with 24 C.F.R. § 50.3(i) and 24 C.F.R. § 58.5(i), we have determined that testing the property's radon levels is infeasible and impracticable.

Per the U.S. Department of Housing and Urban Development's (**HUD**) CPD Notice 23-103, the recommended best practices and alternative options for radon testing are infeasible and impracticable in this case due to the following reasons:

- As required by the CPD Notice 23-103, the scientific data reviewed in lieu of testing must consist of a minimum of ten documented test results over the previous ten years. If there are less than ten documented results over this period, it is understood that there is a lack of scientific data. The latest report for radon testing in Puerto Rico was prepared in 1995 by the U.S. Department of the Interior in Cooperation with the U.S. Environmental Protection Agency. No other completed studies and reports on radon testing are available in Puerto Rico.
- There is no available science-based or state-generated information for Puerto Rico for the last ten years that can be used to determine whether the project site

is in a high-risk area. The Department of Health and Human Services, Centers for Disease Control and Prevention (**CDC**), National Environmental Public Health Tracking, and Radon Testing map do not include Puerto Rico data.

- There are only two (2) licensed professionals in Puerto Rico who can conduct radon testing using the American National Standards Institute/American Association of Radon Scientists and Technologists (**ANSI/AARST**) testing standards, which makes it difficult, time-consuming, and highly expensive to coordinate and secure a site visit for the contamination evaluation.
- Do-it-yourself (**DIY**) radon test kits are known to be unreliable in assuring and controlling the quality of the test results; they are not readily available in Puerto Rico, and the cost and time required for purchasing and sending them for analysis are unreasonable when weighed against the results' reliability and the need for prompt results.
- Local authorities in Puerto Rico do not have the specialized radon monitoring equipment or trained staff needed to conduct the radon testing analysis and ensure proper quality control and quality assurance practices are adhered to. We also do not have a radiation laboratory certified for radon testing.

As part of the evaluation for this determination, PRDOH sent information requests to six (6) local agencies at the state and federal levels. We received responses from the following agencies:

- United States Geological Survey
- Centers for Disease Control and Prevention
- Puerto Rico Department of Health; and
- United States Environmental Protection Agency.

The agencies mentioned above confirmed the lack of scientific data on Radon testing for Puerto Rico and the technical difficulties that we face to comply with HUD's Radon testing requirement. For the above-mentioned reasons, Radon testing is infeasible and impracticable for this property, and no further consideration of Radon is needed for the environmental review.

Radon Attachments



August 20, 2024

Mrs. Carmen R. Guerrero Pérez
Director
Caribbean Environmental Protection Division
City View Plaza II – Suite 7000
#48 Rd. 165 km 1.2
Guaynabo, PR 00968-8069

Via email: guerrero.carmen@epa.gov

RE: Request for information regarding available data on radon testing and levels within Puerto Rico

The Puerto Rico Department of Housing (PRDOH) kindly requests your assistance in gathering data, information, or reports related to radon testing in Puerto Rico, as this information is crucial for our compliance with the U.S. Department of Housing and Urban Development (HUD) Community Planning and Development (CPD) Notice CDP-23-103.

This Notice emphasizes the importance of radon testing and mitigation in ensuring safe living environments, particularly in HUD-assisted properties. PRDOH, as the grantee of the Community Development Block Grant for Disaster Recovery and Mitigation (CDBG-DR/MIT), is responsible for ensuring compliance with environmental requirements under CDBG-DR/MIT programs. To fulfill our obligations under this Notice, we must compile comprehensive and up-to-date information on radon levels, testing practices, and any mitigation efforts within the islands of Puerto Rico.

Specifically, we are seeking for possible availability of the following information:

Radon testing data – Results from radon testing conducted within your agency's purview, including details on location, testing methods, and recorded radon levels.

Barbosa Ave. #606, Building Juan C. Cordero O'Falla, Río Piedras, PR 00981 | PO Box 21365 San Juan, PR 00928-1365
Tel. (787) 274-2527 | www.cu.edu



August 20, 2024

Dr. Silvinia Cancelos
Professor
College of Engineering
University of Puerto Rico – Mayagüez Campus
259 Norte Blvd. Alfonso Valdés Cobián
Mayagüez, Puerto Rico

Via email: silvinia.cancelos@upr.edu

RE: Request for information regarding available data on radon testing and levels within Puerto Rico

The Puerto Rico Department of Housing (PRDOH) kindly requests your assistance in gathering data, information, or reports related to radon testing in Puerto Rico, as this information is crucial for our compliance with the U.S. Department of Housing and Urban Development (HUD) Community Planning and Development (CPD) Notice CDP-23-103.

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Specifically, we are seeking for possible availability of the following information:

Radon testing data – Results from radon testing conducted within your agency's purview, including details on location, testing methods, and recorded radon levels.

Barbosa Ave. #606, Building Juan C. Cordero O'Falla, Río Piedras, PR 00981 | PO Box 21365 San Juan, PR 00928-1365
Tel. (787) 274-2527 | www.cu.edu

Reports and assessments – Any reports, studies, or assessments your agency has produced or commissioned that address radon testing or mitigation.

Policies and guidelines – Information or any policy, guideline, or protocol your agency follows concerning radon testing, exposure limits, or mitigation.

Historical data – If available, historical data or trends in radon levels within the regions you monitor that may impact HUD-assisted housing.

This information is vital to ensure that our radon management strategies are practical and compliant with federal requirements. If some of this information may be sensitive or confidential, we are prepared to discuss any necessary agreements or protocols for sharing this data securely.

Please let us know if you require additional details or have any questions regarding this request. We would greatly appreciate your response by September 15, 2024, so we can incorporate this data into our ongoing compliance efforts.

Thank you in advance for your cooperation and support. We look forward to working together on this critical initiative.

Sincerely,

William O. Rodríguez Rodríguez, Esq.
Secretary

Cc: Mr. Oleg Povelko, Povelko.Oleg@epa.gov
Mr. Matthew Lantila, lantila.matthew@epa.gov

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Sincerely,

William O. Rodríguez Rodríguez, Esq.
Secretary

Cc: Dr. Carlos Marín, carlos.marin3@upr.edu



August 20, 2024

Dr. Jessica Irazary
Director
Office of Island Affairs
U.S. Centers for Disease Control and Prevention
1324 Cll Canada, San Juan, 00920
Guaynabo, PR 00968-8069

Via email: OIA@cdc.gov

RE: Request for Information regarding available data on radon testing and levels within Puerto Rico

The Puerto Rico Department of Housing (PRDOH) kindly requests your assistance in gathering data, information, or reports related to radon testing in Puerto Rico, as this information is crucial for our compliance with the U.S. Department of Housing and Urban Development (HUD) Community Planning and Development (CPD) Notice CDP-23-103.

This Notice emphasizes the importance of radon testing and mitigation in ensuring safe living environments, particularly in HUD-assisted properties. PRDOH, as the grantee of the Community Development Block Grant for Disaster Recovery and Mitigation (CDBG-DR/MIT), is responsible for ensuring compliance with environmental requirements under CDBG-DR/MIT programs. To fulfill our obligations under this Notice, we must compile comprehensive and up-to-date information on radon levels, testing practices, and any mitigation efforts within the islands of Puerto Rico.

Specifically, we are seeking for possible availability of the following information:

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Barbosa Ave. #506, Building Juan C. Cordero Davila, Rio Piedras, PR 00918 | PO Box 21365 San Juan, PR 00926-1365
Tel: (787) 274-2527 | www.vivendia.pr.gov

CDBG-DR/MIT Program
Request for Information in relation with HUD CPD-23-103 for Puerto Rico
Page 2 / 2

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Sincerely,


William O. Rodríguez Rodríguez, Esq.
Secretary



August 20, 2024

Mrs. Anais Rodríguez
Secretary
Puerto Rico Department of Natural Resources
Carretera 8838, km. 6.3, Sector El Cinco,
Rio Piedras San Juan, PR 00926

Via email: anais.rodriguez@dma.pr.gov

RE: Request for Information regarding available data on radon testing and levels within Puerto Rico

The Puerto Rico Department of Housing (PRDOH) kindly requests your assistance in gathering data, information, or reports related to radon testing in Puerto Rico, as this information is crucial for our compliance with the U.S. Department of Housing and Urban Development (HUD) Community Planning and Development (CPD) Notice CDP-23-103.

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CDBG-DR/MIT Program
Request for Information in relation with HUD CPD-23-103 for Puerto Rico
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Sincerely,


William O. Rodríguez Rodríguez, Esq.
Secretary

Cc: Mr. Luis Márquez, secretariogaire@dma.pr.gov
Eng. Amarilis Rosario, aire@dma.pr.gov
Mrs. Elid Ortega, ortega@dma.pr.gov



GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

August 20, 2024

Dr. Carlos R. Mellado López
Secretary
Puerto Rico Department of Health
PO Box 70184
San Juan, PR 00936-8184

Via email: dr.carlos.mellado@salud.pr.gov

RE: Request for Information regarding available data on radon testing and levels within Puerto Rico

The Puerto Rico Department of Housing (PRDOH) kindly requests your assistance in gathering data, information, or reports related to radon testing in Puerto Rico, as this information is crucial for our compliance with the U.S. Department of Housing and Urban Development (HUD) Community Planning and Development (CPD) Notice CDP-23-103.

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Barbosa Ave. #606, Building Juan C. Cordero Dávila, Río Piedras, PR 00918 | PO Box 21365 San Juan, PR 00928-1365
Tel. (787) 274-2527 | www.vivendap.rg.pr.gov



GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

August 20, 2024

Mrs. Holly Weyers
Regional Director, Southeast – Puerto Rico
US Geological Survey
3914 Sunset Ridge Road
Raleigh, NC 27607

Via email: hweyers@usgs.gov

RE: Request for Information regarding available data on radon testing and levels within Puerto Rico

The Puerto Rico Department of Housing (PRDOH) kindly requests your assistance in gathering data, information, or reports related to radon testing in Puerto Rico, as this information is crucial for our compliance with the U.S. Department of Housing and Urban Development (HUD) Community Planning and Development (CPD) Notice CDP-23-103.

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CDBG-DR/MIT Program
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Page 2 / 2

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Sincerely,


William O. Rodríguez Rodríguez, Esq.
Secretary

Cc: Mr. Raúl Hernández Doble, rhernandez2@salud.pr.gov

CDBG-DR/MIT Program
Request for Information in relation with HUD CDP-23-103 for Puerto Rico
Page 2 / 2

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Thank you in advance for your cooperation and support. We look forward to working together on this critical initiative.

Sincerely,


William O. Rodríguez Rodríguez, Esq.
Secretary

Cc: Mr. R. Randall Schumann, rschumann@usgs.gov

From: Charp, Paul (CDC/NCEH/DEHSP) <pac4@cdc.gov>
Sent: Tuesday, September 3, 2024 6:36 AM
To: Miranda, Sandra (CDC/PHIC/DPS); Irizarry, Jessica (CDC/PHIC/DPS); Rzeszutarski, Peter (CDC/NCEH/DEHSP); Vinson, D. Aaron (CDC/NCEH/DEHSP)
Cc: Kostak, Liana (CDC/PHIC/DPS); Vazquez, Germaine (CDC/NCEH/DEHSP)
Subject: RE: REHi: Puerto Rico Request for Information- Randon testing and levels

Good morning, Sandra and others,

In response to the request from Mr. William Rodriguez of the Department of Housing, Government of Puerto Rico, I have reviewed all the available data within the CDC National Environmental Public Health Tracking Network system for data related to radon in Puerto Rico. In addition to the tracking data available on the internet, I also reached out to Mr. Aaron Vinson of the NCEH Tracking Branch.

I was not able to find any data in the CDC systems and this was confirmed by Mr. Vinson. We also reached out the US Environmental Protection Agency who indicated they had no radon data in their systems. Please relay this information to Mr. Rodriguez in your response to his requests

If you have any additional questions, please contact me.

Thank you and best regards,

Paul A. Charp, Ph.D., Fellow, HPS
Senior Health Physicist
Emerging Environmental Hazards and Health Effects Branch (EEHHEB)
Division of Environmental Health Science and Practice (DEHSP)
National Center for Environmental Health (NCEH)
Centers for Disease Control and Prevention (CDC)
pcharp@cdc.gov
770-488-0723 office
404.388.0614 Cell



From: Schumann, R. Randall <rschumann@usgs.gov>
Sent: Wednesday, August 21, 2024 4:39 PM
To: Melanie Medina Smaine <mmedina@vivienda.pr.gov>; Weyers, Holly S <hsweyers@usgs.gov>
Cc: Elaine Dume Mejia <Edume@vivienda.pr.gov>; Luz S Colon Ortiz <Lcolon@vivienda.pr.gov>; Aldo A. Rivera-Vazquez <aarivera@vivienda.pr.gov>
Subject: RE: Request for Information- Radon testing and levels

Dear Ms. Medina Smaine,

In the early 1990s the U.S. Geological Survey (USGS) conducted geologic assessments of radon potential for all 50 states and the territories of Guam and Puerto Rico, in collaboration with the U.S. EPA. I conducted the geologic radon potential assessment for Puerto Rico. The PDF file of the report is too large to attach to this message but it can be obtained at <https://pubs.usgs.gov/of/1993/0292k/report.pdf>. The USGS did not conduct indoor radon testing and we did not conduct field studies associated with this assessment; it was based on existing data. Mr. David Saldana of the Puerto Rico Department of Health kindly provided us with data for 610 homes that were tested for indoor radon by his agency between 1993 and 1995, which are summarized in the report. I am not aware of any other radon-related geologic studies conducted in the Commonwealth of Puerto Rico by the U.S. Geological Survey.

Best regards,

R. Randall Schumann
Scientist Emeritus
U.S. Geological Survey
Geosciences and Environmental Change Science Center
Denver, Colorado, USA
rschumann@usgs.gov
<https://www.usgs.gov/staff-profiles/r-randall-schumann>

From: Raul Hernandez Doble <rhernandez2@salud.pr.gov>
Sent: Wednesday, August 21, 2024 2:13:31 PM
To: Melanie Medina Smaine <mmedina@vivienda.pr.gov>; Dr. Carlos Mellado <drcarlos.mellado@salud.pr.gov>
Cc: Elaine Dume Mejia <Edume@vivienda.pr.gov>; Luz S Colon Ortiz <Lcolon@vivienda.pr.gov>; Aldo A. Rivera-Vazquez <aarivera@vivienda.pr.gov>; Mayra Toro Tirado <mtoro@salud.pr.gov>
Subject: RE: [EXTERNAL]Request for Information- Radon testing and levels

Good afternoon. Ms. Medina

I regret to inform that we do not have any recent information on radon testing, since we do not have a certified radiation laboratory certified for radon testing. There are companies that sell test kits available online that can be done and mailed to a testing laboratory. There are also lists of radon contractors and these companies that process radon testing cartridges with instructions, on the Environmental Protection Agency Indoor air Quality web page. The last radon study in Puerto Rico done by the PR Department of Health was done on the year 1993.

Raul Hernandez Doble
Director, Seccion Salud Radiologica
Division de Salud Ambiental
Secretaria Auxiliar para la Vigilancia y la Proteccion de la Salud Publica
rhernandez2@salud.gov.pr
Phone: (787)765-2929 ext. 3210

From: Reyes, Brenda <Reyes.Brenda@epa.gov>
Sent: Wednesday, September 18, 2024 11:48 AM
To: Cesar O Rodriguez Santos <cesarrodriguez@drna.pr.gov>; Maritza Rosa Olivares <maritzarosaolivares@drna.pr.gov>; Silvina Cancelos Mancini <silvina.cancelos@upr.edu>; Melanie Medina Smaine <mmedina@vivienda.pr.gov>
Cc: Elaine Dume Mejia <Edume@vivienda.pr.gov>; Luz S Colon Ortiz <Lcolon@vivienda.pr.gov>; Aldo A. Rivera-Vazquez <aarivera@vivienda.pr.gov>; Povetko, Oleg (he/him/his) <Povetko.Oleg@epa.gov>
Subject: RE: Request for Information- Randon testing and levels

Saludos.

La EPA esta trabajando una respuesta a su petición. Se sometió borrador a la directora y el subdirector para su aprobación y firma.

Brenda Reyes Tomassini
Public Affairs
U.S. EPA
Region 2
Caribbean Environmental Protection Division
(787) 977-5869/(787) 977-5865
Mobile: 202-834-1290

From: Silvina Cancelos Mancini <silvina.cancelos@upr.edu>
Sent: Friday, September 6, 2024 15:04
To: Melanie Medina Smaine <mmedina@vivienda.pr.gov>
Cc: Elaine Dume Mejia <Edume@vivienda.pr.gov>; Luz S Colon Ortiz <Lcolon@vivienda.pr.gov>; Aldo A. Rivera-Vazquez <aarivera@vivienda.pr.gov>; Maritza Rosa Olivares <maritzarosaolivares@drna.pr.gov>; Reyes, Brenda <Reyes.Brenda@epa.gov>; Povetko, Oleg <Povetko.Oleg@epa.gov>
Subject: Re: Request for Information- Randon testing and levels

Estimada Melanie Medina

Quería dejarle saber que recibimos su correo el 21 de agosto al igual que el de Maritza Rosa el pasado 4 de septiembre. Ya las personas involucradas de EPA, junto conmigo y el Dr. Marín estamos al tanto del asunto y estamos trabajando para poder enviarles la información.

Atentamente

Silvina Cancelos
Professor
Associate Director
Mechanical Engineering Department
University of Puerto Rico - Mayaguez
Call BOX 9000 Mayaguez PR 00680
Tel: 787-832-4040 ext 5956
email: silvina.cancelos@upr.edu



Bubble Dynamics Lab
University of Puerto Rico - Mayaguez



September 23, 2024

VIA EMAIL

William O. Rodríguez Rodríguez, Esq.
Secretary
Puerto Rico Department of Housing
Barbosa Ave. 606 Building Juan C. Cordero
San Juan, PR 00917
Email: W.Rodriguez@vivienda.pr.gov

RE: EPA Response to August 20, 2024 request for information of data on radon testing and levels in Puerto Rico

Dear Honorable Secretary Rodríguez Rodríguez:

This communication is in response to your letter of August 20, 2024 addressed to the Puerto Rico Department of Natural and Environmental Resources (DNER) and referred to the U.S. Environmental Protection Agency (EPA) regarding available data on radon testing and levels within Puerto Rico.

EPA's National Radon Action Plan 2021–2025 sets a goal for the nation to find, fix and prevent high indoor radon levels in 8 million buildings by 2025 and prevent 3,500 lung cancer deaths per year. Under this plan, leaders from across multiple sectors are working together to plan, guide, and sustain nationwide action to prevent exposure to radon.

Due to the lack of data in Puerto Rico, EPA undertook an investigation in collaboration with the University of Puerto Rico-Mayaguez (UPRM) Campus, Departments of Civil Engineering and Surveying and Mechanical Engineering, to find out if radon presented a problem in Puerto Rico. Up until 2021, the only data we had for Puerto Rico was a 1993–1995, mail-in radon screening study referred to by the U.S. Geological Survey report (USGS, 1995) in which the USGS concluded that several areas of Puerto Rico have the geologic potential to generate indoor radon levels exceeding the EPA Action Level of 4 pCi/L (picocuries per liter), perhaps locally reaching very high levels above 50 pCi/L, if a house construction and

ventilation allow for soil-gas radon to enter and concentrate within the structure.¹ According to the USGS report, most of these areas are located in the northwest part of the island. Please note that the actual 1993–1995 study documentation is not available to the EPA.

Typical radon testing technology used in mainland United States (charcoal canisters or electric-powered devices) are impractical in Puerto Rico because of high humidity and power outages. The recovery and rebuilding of communities following the aftermath of 2017 Hurricanes Irma and Maria presented an opportunity to develop radon prevention and mitigation strategies in 2019. Initially, EPA sampled indoor radon air in over 170 single-family residences in the municipalities of San Sebastián, Lares, Gales, Arecibo, Morovis, Camuy, and Hatillo and later expanded the project to other municipalities such as Rincon, Aguada, Aguadilla, Isabela, Quebradillas, Barceloneta and Vega Baja. The quality assurance protocols were anchored in American National Standards Institute/American Association of Radon Scientists and Technologists (ANSI/AARST) standards of practice (ANSI/AARS, 2019). The sampling was designed in two stages: scoping and confirmatory sampling. The scoping sampling was conducted using Corentium Home (CH) electronic monitors and E-Perm systems. Locations measuring above the EPA Action Level of 4 pCi/L with CH were measured at the second stage of the sampling using RAD7 and Corentium Pro Continuous Radon Monitors (CRMs). Nationally certified radon sampling professionals led by one such professional from the UPRM conducted confirmatory sampling in the second stage. Also, during the study, the nationally certified radon mitigation professionals inspected several homes with elevated indoor radon levels.

Mapping radon in Puerto Rico proved to be a complicated endeavor given the COVID-19 pandemic in 2020. EPA and UPRM continue to work on the project, however, results have not been finalized, and no scientific report has been published yet. Unfortunately, EPA cannot share preliminary data at this time because it contains privileged information. Nevertheless, preliminary data from the study does show homes with levels over 4 pCi/L (EPA Action Level) that might need mitigation to protect the health of their inhabitants.

Although many states have developed laws and regulations governing radon disclosure, certification, and mitigation, Puerto Rico lacks legislation or mandatory radon testing provisions for new construction, remodeling, selling or buying homes. Given this loophole and aiming to answer your request, the EPA can provide information on Best Management Practices for sampling indoor radon in Puerto Rico.

¹ **Reference:** USGS. Geologic Radon Potential of Guam and Puerto Rico, Report 93-292-K. Washington, DC: USGS. Retrieved 9/11/2024, from <https://pubs.usgs.gov/of/1993/0292k/report.pdf>.

CITY VIEW PLAZA II BUILDING, 7TH FLOOR
ROUTE 185 GUAYNABO, PR 00988

2

If you have any questions or need any additional information, please contact me at 787-977-5865 or guerrero.carmen@epa.gov or have your staff contact Reyes, Brenda at reyes.brenda@epa.gov or (787) 977-5869.

Sincerely,

**CARMEN
GUERRERO
PEREZ**

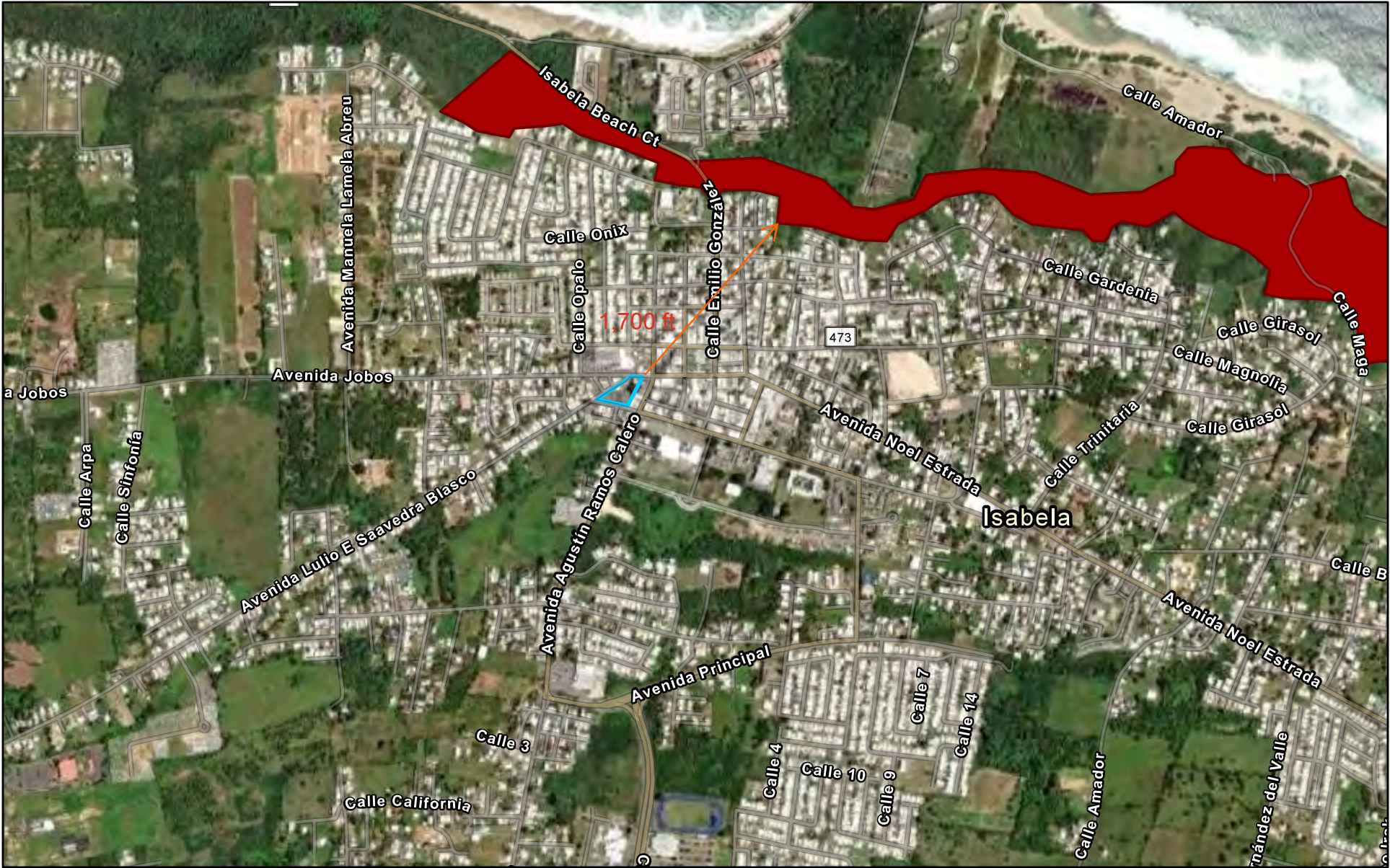
Carmen R. Guerrero Pérez
Director

Digitally signed by
CARMEN GUERRERO PEREZ
Date: 2024.09.23 09:41:39
-04'00'

cc: Roberto Mendez, Esq (Acting Secretary, PR Department of Natural and Env. Resources)
Melany Medina: mmedina@vivienda.pr.gov
Elaine Dume Mejia: Edume@vivienda.pr.gov
Luz S Colon Ortiz: Lcolon@vivienda.pr.gov
Aldo A. Rivera-Vazquez: arivera@vivienda.pr.gov
Cesar O. Rodriguez: cesarrodriiguez@drna.pr.gov
Marita Rosa Olivares: maritzarosaolivares@drna.pr.gov

Exhibit 8 Critical Habitat Map

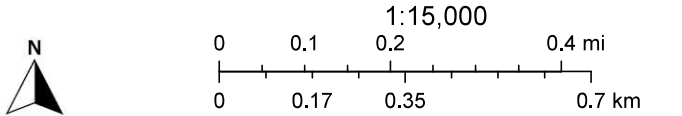
PR-CRP-000981 Gallery Plaza
Road 472 and Juan González St, Isabela, PR 00662
Coordinates 18.500198, -67.025665



Legend:

Project Site

Final Critical Habitat Features



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



Transmittal Letter

Exhibit 8A

September 17, 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



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

Reviewer DAMARIS ROMAN RUIZ Digitally signed by DAMARIS ROMAN RUIZ
Date: 2024.10.02 08:32:02 -04'00'

LOURDES MENA Digitally signed by LOURDES MENA
Date: 2024.10.02 09:18:15 -04'00'
Caribbean ES Field Supervisor

RE: USFWS Endangered Species Act Certifications – September 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-000448	Plaza Salvador Brau
PR-CRP-000649	Old City Hall Rehabilitation (1st Floor): New Public Theater
PR-CRP-000897	Mejoras Plaza de Recreo
PR-CRP-000981	Gallery Plaza
PR-CRP-001058	New Multifunctional Recreation Center of Municipality of Trujillo Alto
PR-CRP-001130	Cuido Diurno Edad Dorada
PR-CRP-001182	Mejoras PR-108 y Conectores Peatonales Accesibles
PR-CRP-001196	Waterfront Park Don Pedro Albizu Campos

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

Sincerely,

Permits and Environmental Compliance Division
Disaster Recovery Office



Self-Certification

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

Endangered Species Act Certification

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

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

The Puerto Rico Department of Housing (PRDOH) certifies that the following project, **Gallery Plaza (PR-CRP-000981)**, consisting of the construction of an outdoor recreational area including, a children playground, utilities infrastructure for six (6) food trucks, a pergola with dining mobiliary, a building for bathrooms, green landscaping, ADA-complaint sidewalks, and thirty (30) parking spaces; located at PR-372 Road and Juan González St., Isabela, Puerto Rico 00662; coordinates 18.500198, -67.025662 complies with:

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

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



Ángel G. López-Guzmán
Deputy Director

Permits and Environmental Compliance Division

Office of Disaster Recovery

Address: P.O. Box 21365 San Juan, PR 00928

Telephone and Ext: 787-274-2527 ext. 4320

Email: environmentcdbg@vivienda.pr.gov

Sept. 13, 2024

Date

Attachment 1

Location Map

Critical Habitat Map

Wetlands Map

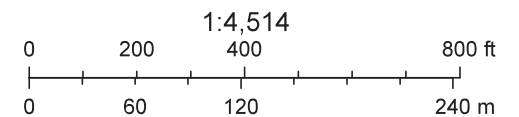
Photos

Location Map

PR-CRP-000981 Gallery Plaza
Road 372 and Juan González St, Isabela, PR 00662
Coordinates 18.500198, -67.025662



Maxar



8/5/2024

Critical Habitat Map

PR-CRP-000981 Gallery Plaza
Road 372 and Juan González St, Isabela, PR 00662
Coordinates 18.500198, -67.025662



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

Legend:
Project Site



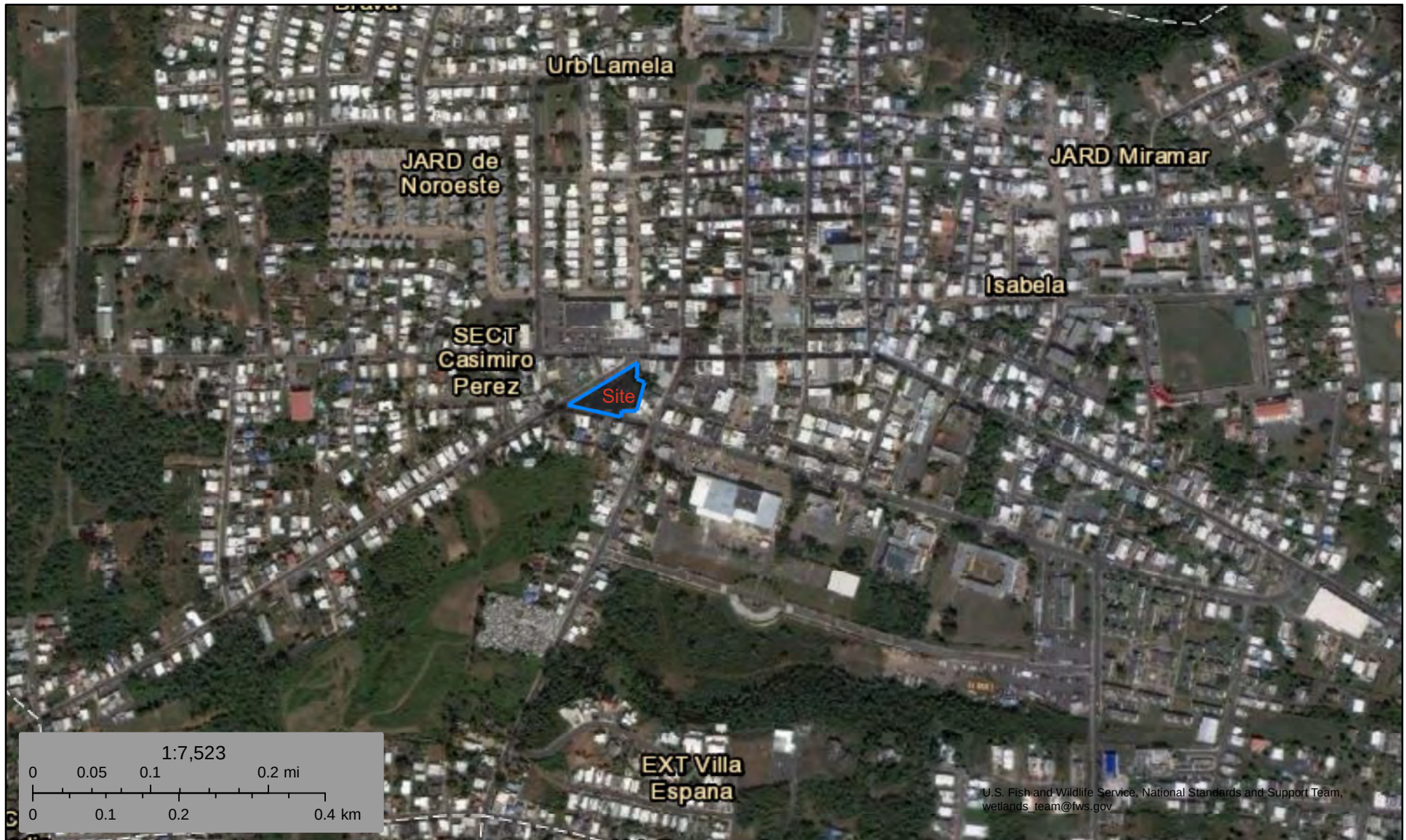
Maxar
8/5/24



U.S. Fish and Wildlife Service

National Wetlands Inventory

PR-CRP-000981 Gallery Plaza
Road 372 and Juan González St, Isabela, PR 00662
Coordinates 18.500198, -67.025662



U.S. Fish and Wildlife Service, National Standards and Support Team,
wetlands_team@fws.gov

August 5, 2024

Wetlands



Estuarine and Marine Deepwater



Estuarine and Marine Wetland



Freshwater Emergent Wetland



Freshwater Forested/Shrub Wetland



Freshwater Pond



Lake



Other



Riverine

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





View from Highway PR-472 (west)



View from Highway PR-472 (west) within the site and view towards the east.



View from C. Juan Gonzalez Street to site.



View from C. Juan Gonzalez Street to site.

Attachment 2

IPaC Report

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

Isabela County, Puerto Rico



Local office

Caribbean Ecological Services Field Office

☎ (939) 320-3135

📞 (787) 851-7440

✉ CARIBBEAN_ES@FWS.GOV

MAILING ADDRESS

Post Office Box 491

Boqueron, PR 00622-0491

PHYSICAL ADDRESS

Office Park I

State Road #2 Km 156.5, Suite 303}

Mayaguez, PR 00680

NOT FOR CONSULTATION

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 species¹ 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 Fisheries²).

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. https://ecos.fws.gov/ecp/species/6628	Endangered

Critical habitats

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

There are no critical habitats at this location.

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

Bald & Golden Eagles

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

Additional information can be found using the following links:

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

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

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

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

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

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

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

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

What if I have eagles on my list?

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

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

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

1. The [Migratory Birds Treaty Act](#) of 1918.

2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

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

The [data](#) in this location indicates there are no migratory [birds of conservation concern](#) expected to occur in this area.

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

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 to 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.

NOT FOR CONSULTATION

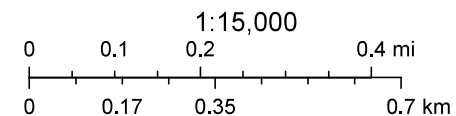
Exhibit 9 Explosive and Flammable Hazards Map

PR-CRP-000981 Gallery Plaza
Road 472 and Juan González St, Isabela, PR
00662 Coordinates 18.500198, -67.025665



Legend:

-  Project Site Project
-  Buffer 1-mile

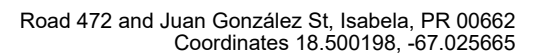


Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar

August 12, 2025

SVR - Tt

Soil Map—Mayaguez Area, Puerto Rico Western Part
(PR-CRP-000981 Gallery Plaza)



Soil Map—Mayaguez Area, Puerto Rico Western Part
(PR-CRP-000981 Gallery Plaza)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Mayaguez Area, Puerto Rico Western Part

Survey Area Data: Version 20, Sep 10, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 23, 2022—Mar 1, 2022

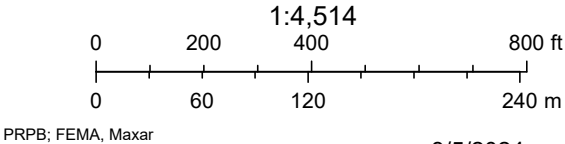
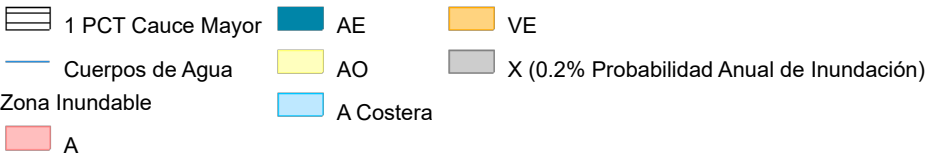
The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
UI	Urban land	0.9	100.0%
Totals for Area of Interest		0.9	100.0%

Exhibit 11 ABFE Map

PR-CRP-000981 Gallery Plaza
Road 472 and Juan González St, Isabela, PR
00662 Coordinates 18.500198, -67.025665



8/5/2024

Tuesday, June 3, 2025

Lauren B Poche

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

SHPO-CF-11-18-24-03 PR-CRP-000981 (Isabela), Gallery Plaza Isabela"

Dear Ms. Poche,

We acknowledge receipt of the archaeological monitoring work plan dated April 23, 2025, for the case mentioned above. The plan is deemed acceptable, and we concur with its implementation. Please notify the PRSHPO the archaeological monitoring start date 48 hours prior to the initiation of work.

If you have any questions concerning our comments, do not hesitate to contact our Office.

Sincerely,

Carlos A. Rubio Cancela

State Historic Preservation Officer

CARC/GMO/ OJR



GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

April 30, 2024

Arch. Carlos A. Rubio Cancela

Executive Director

Puerto Rico State Historic Preservation Office

Cuartel de Ballajá, Third Floor

San Juan, Puerto Rico 00901

Re: Authorization to Submit Documents for Consultation

Dear Arch. Rubio Cancela,

The U.S. Department of Housing (HUD) approved the allocations of Community Development Block Grant (CDBG-DR) funds on February 9, 2018. It also approved the allocation of Community Development Block Grant Mitigation (CDBG-MIT) funds on January 27, 2020. The purpose of these allocations is to address unsatisfied needs as a result of Hurricanes Irma and Maria in September 2017; and to carry out strategic and high-impact activities to mitigate disaster risks and reduce future losses.

To comply with the environmental requirements established by HUD, the Department of Housing of Puerto Rico (PRDOH) contracted Horne Federal LLC to provide environmental review services, among others, that will support the objectives of the agenda for both CDBG-DR and CDBG -MIT Programs.

To expedite the processes, Horne Federal LLC, is authorized to submit to the State Historic Preservation Officer, documentation of projects related to both the CDBG-DR and CDBG-MIT on behalf of PRDOH.

Cordially,

Aldo A. Rivera Vázquez, PE

Director

Division of Environmental Permitting and Compliance

Office of Disaster Recovery

May 13, 2025

Carlos A. Rubio Cancela
State Historic Preservation Officer
Puerto Rico State Historic Preservation Office
Cuartel de Ballajá (Tercer Piso)
San Juan, PR 00902-3935

**PUERTO RICO DISASTER RECOVERY, CDBG-DR CITY REVITALIZATION (CITY-REV)
PROGRAM**

**RE: SHPO-CF-11-18-24-03 – PR-CRP-000981 - GALLERY PLAZA ISABELA, ISABELA,
PUERTO RICO – ARCHAEOLOGY MONITORING WORK PLAN SUBMISSION**

Dear Architect Rubio Cancela,

On behalf of the Puerto Rico Department of Housing (PRDOH), we thank you for your letter dated December 7, 2024, in response to the submission of documentation for PR-CRP-000981, Gallery Plaza Isabela project. The letter stated your office had determined your records supported the finding of no adverse effect for the proposed undertaking conditioned to archaeological monitoring during all ground disturbing activities for the project, and the preparation and submission of an archaeological monitoring work plan for review and concurrence.

As such, we are submitting the requested Archaeological Monitoring Plan prepared by Archaeologist Fernando Alvarado Muñoz. We are requesting your review of the prepared plan and concurrence that the implementation of the plan is appropriate for the undertaking.

Please contact me with any questions or concerns by email at lauren.poche@horne.com or phone at 225-405-7676.

Kindest regards,



Lauren Bair Poche. M.A.

Architectural Historian, EHP Senior Manager
LBP/KPS

Attachments

PRDOH CDBG-DR CRP PROGRAM
Gallery Plaza Isabela,
PR 472 and Juan González Street Pueblo Ward
Isabela Puerto Rico
PR-CRP-00981

Archaeological Monitoring Plan

Prepared by



AM GROUP

Una división de DQPM, LLC
SERVICIOS DE CONSULTORIA ARQUEOLOGICA

Arql. Fernando Alvarado Muñoz
HC 3 Box 10608
Juana Díaz, Puerto Rico 00795-9501
Celular: 787-637-9807
amgrouppr@gmail.com
DQPM LLC@gmail.com

April 23, 2025

Incorporating the Archaeological Monitoring Work Plan Template (01/APR/2025) developed
by Archaeologist Sharon Meléndez Ortiz, Horne PR

I. Preamble

The Municipality of Isabela is seeking Community Development Block Grant disaster recovery funds financed by the federal Department of Housing and Urban Development due to damage received by the 2017 Hurricanes Irma and Maria. The Puerto Rico Department of Housing (PRDOH) has established an Agreement between PRDOH and the Municipality of Isabela for the City Revitalization Program as part of the Community Development Block Grant for Disaster Recovery (CDBG-DR) Program. The municipality proposes the development of a lot for food areas. The property is located on PR 472 at the corner with Juan González Street, at coordinates 18°30'00.46" N, -67°01'32.89"W, near the Isabela Traditional Urban Center (Figures 1 and 2).

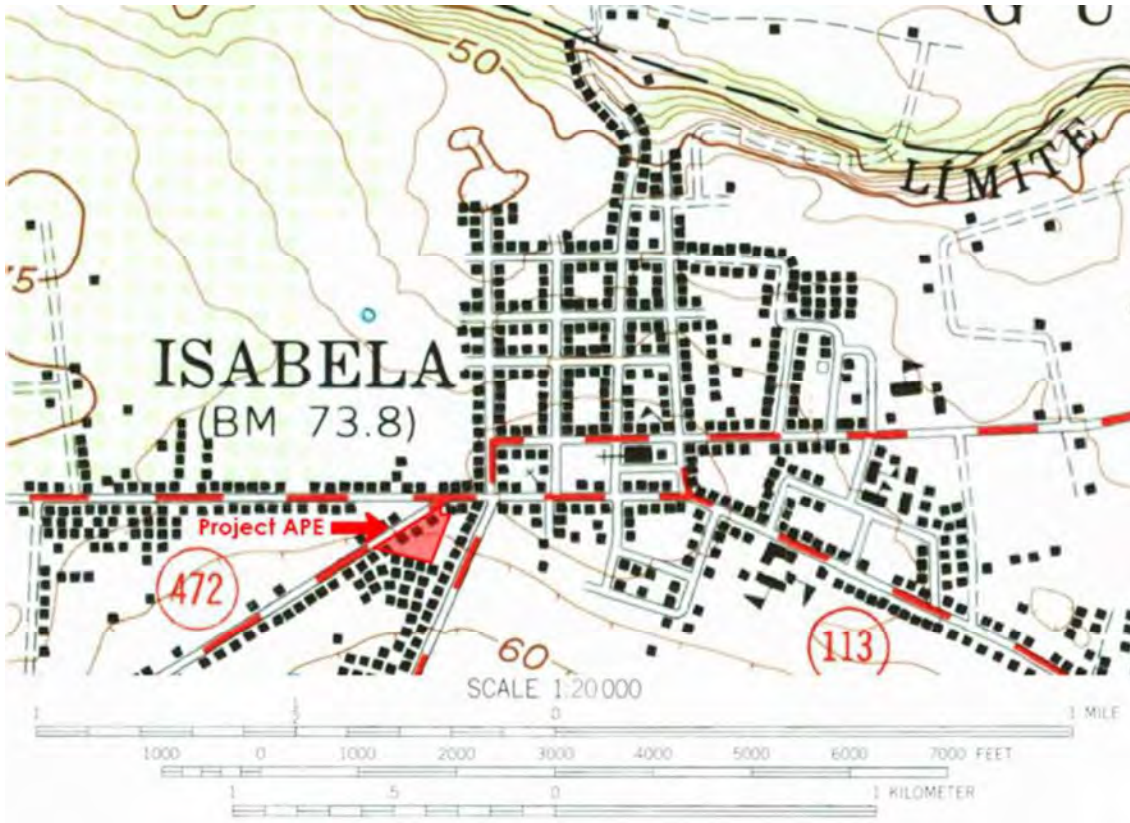
Currently the area is used by parking lot. The project aims to transform the existing parking lot into a food truck park that will provide leisure spaces and outdoor activities for the local community. This initiative is designed to benefit the surrounding areas, specifically those along Celso Barbosa Street to the north, Juan González Street to the south, Agustín Ramos Calero Avenue to the east, and PR-742 to the west.



1

Figure #1 Project Location. Aerial Photo by Google Earth

¹ Satellite photo utilizing Google Earth Pro



2

Figure # 2
Location of Gallery Plaza Isabela Project, Isabela, PR
Isabela USGS 1:20,000 (Original Scale)

II. Project Description

The proposed project is located on PR 472 at the corner with Juan González Street. According to the site plan dated October 13, 2023, outlined by the developer, the project includes the following key activities:

1. **New Construction:** The proposed scope of work includes the following construction additions to the project site:
 - a. **Concrete Floor Slab and Sidewalks:** The existing sidewalks along Juan González Street and Carr. PR-472 within the project area vary in width from 1 to 1.5 meters. Currently, there is no vehicular or truck access to the site. To address this, the project involves removing the existing sidewalks and constructing new concrete sidewalks, which will include vehicular and truck entrances. The new sidewalks will be approximately 4 inches thick, with an additional 4-6 inches of excavation required for substrate preparation and formwork.

² Figure #2. USGS Isabela Quadrangle, 1960

Additionally, the project scope includes a 4-inch-thick concrete floor slab covering the 0.76 acres (3085.64 m²) of the site. This slab will also require excavating an extra 4-6 inches for substrate preparation and formwork.

- b. **Parking Spaces:** The proposed scope of work includes the replacement and addition of parking spaces to the southeast of the project site. Additionally, a new vehicular entrance is planned for the northwest side of the site (see Figure 1). Implementing these parking spaces and the entrance will involve ground-disturbing activities, with excavation depths varying and potentially reaching up to 2 feet below ground level.
 - c. **Pergola:** The project includes the addition of a pergola located to the west of the proposed site (**see Figure 1**). This pergola will feature a recreational seating area and a planting area. The construction will involve ground-disturbing activities for its foundation, though the depth of these activities is not specified in the provided plans.
 - d. **Kiosk:** The project includes the addition of a kiosk located to the north of the proposed site (**see Figure 1**). This kiosk will feature a recreational seating area, a planting area, bathrooms, and a service/kitchen area. The construction of the kiosk will involve ground-disturbing activities for its foundation, though the depth of these activities is not specified in the provided plans.
 - e. **Playground:** The proposed scope of work includes the addition of a playground located in the northeast of the project site (**see Figure 1**). The playground will feature a recreational seating area, a planting area, and various playground amenities. Additionally, the construction of the Playground, as previously mentioned in the section of Concrete Floor Slab and Sidewalk, will require ground-disturbing activities.
2. **Installation Activities:** The project involves installing benches and seating areas along the north, northeast, and west sides of the site. Additionally, new lighting equipment will be installed in the north, south, west, and central areas. The foundations for the lighting equipment will require limited excavations up to 3 feet deep and 2 feet in diameter, situated within the newly planted and seating areas. Furthermore, the project scope includes setting up 6 food truck stations facing Juan González Street and Station Avenue in the southwest part of the site. These stations will be equipped with lighting, electrical facilities, and potable water connections.
3. **Demolition and Removal Activities:** The proposed scope of work includes removing objects such as parking islands, stoppers, and pavement that currently obstruct the site. Additionally, the project involves demolishing concrete islands located in the north, south, and central areas to facilitate the new construction activities. These demolition efforts will involve ground-disturbing activities, with excavation depths potentially reaching up to 3 feet below ground level. In addition, the project proposes the demolition of an existing structure located on the northwest side of the parking area. However, the expected depth of the ground disturbance resulting from this activity is not specified in the provided plans.

The activities detailed above are visually represented in the following figure:

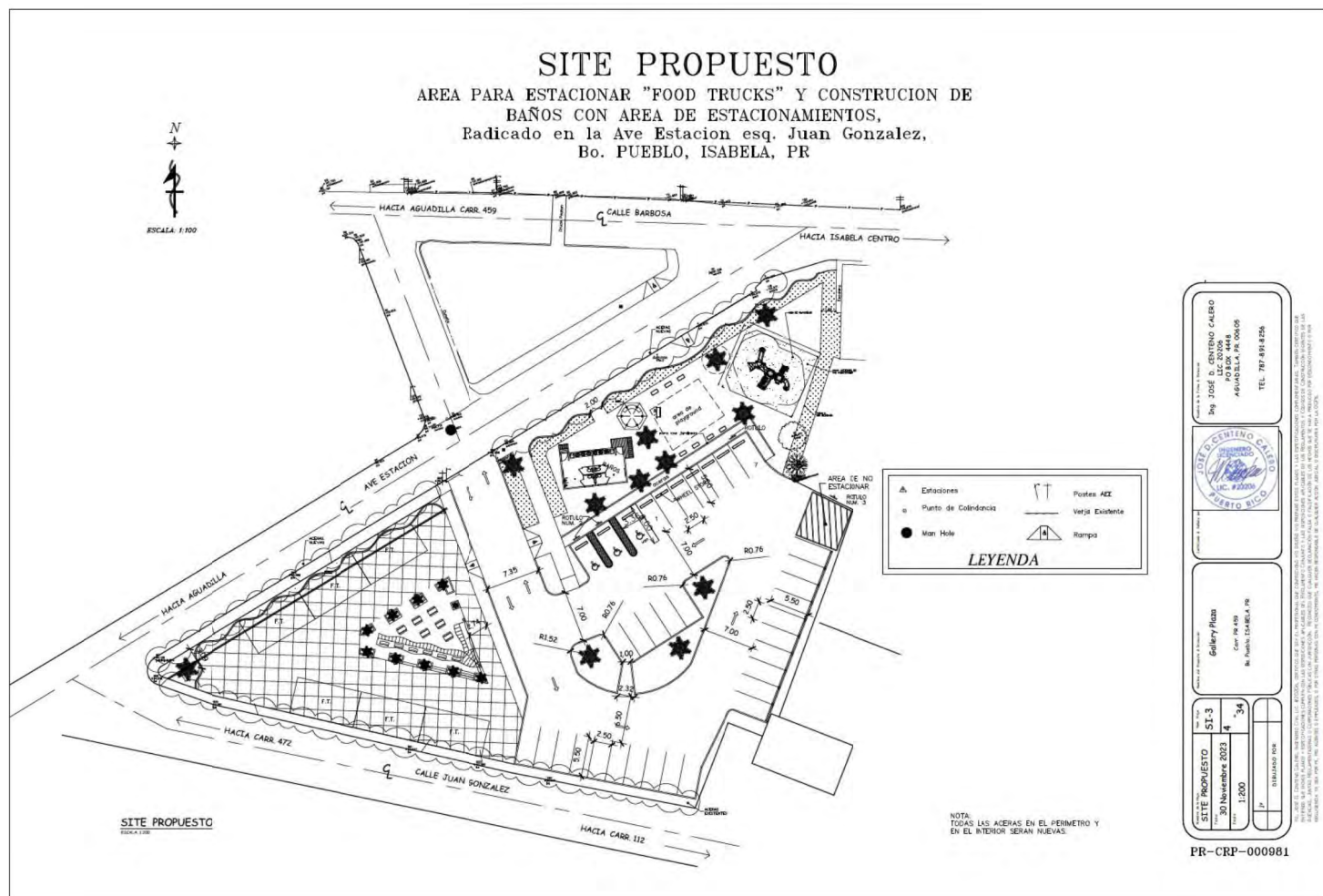


Figure 3: Poposed Site Plan, 13/October/2023 Set of Plans.

Architect/architectural historian Heidi Dilan and Archaeologists Fernando Alvarado prepared the *Section 106 NHPA Effect Determination Form* for this case on 2023 (revised 2024). The form concluded conditioned under Archaeological Monitoring for all ground disturbing activities since the potential of unearthing additional historical archaeological remains is moderate.

This document complies with applicable federal and state laws, regulations, and guidelines, and is consistent with the Secretary of the Interior's (SOI) Guidelines for Archeological Documentation, the Advisory Council on Historic Preservation's (ACHP) recommendations on the recovery of significant information from archaeological sites as updated in 2009.

The objectives of this archaeological monitoring plan are: (1) to establish the protocol to be followed in archaeological monitoring; (2) to establish the protocol to be followed if previously unknown resources are identified; (3) to establish the protocol to be followed if there are any unexpected or previously unanticipated adverse effects; and (4) to establish the methodology for the archaeological evaluation.

This plan was prepared by archaeologist Fernando Alvarado Muñoz, who meets the Professional Qualifications Standards set forth in 36 CFR Part 61 and is listed as an archaeologist by the Council for the Protection of Terrestrial Archaeological Heritage (Council) to conduct Phase I, and Phase II studies.

III. Description and History of Use of the Historic Property

The information below is taken from the Section 106 NHPA Effect Determination Form completed by Heidi Dilan and Fernando Alvarado (2023, revised in 2024). The area where the proposed project is located is in the Pueblo de Isabela ward.

In the region we now know as Isabela, the Cacique Mabodomaca (Amamón) reigned, one of the most important leaders on the Island of Puerto Rico during the early 16th century. He is remembered because he was the Cacique who led 600 men to intercept Spanish soldiers during the Taino rebellion against the Spaniards. (Abbad y Lasierra, Iñigo. *Historia Geográfica, Civil y Política de la Isla de San Juan Bautista de Puerto Rico*. Spanish Edition, p. 56-59. Kindle Edition).

In 1818, the residents of San Antonio de la Tuna, a settlement established in the 17th century, along with other settlers from the surrounding region, were relocated to a new area. This location became the site where, on May 21, 1819, the town of Isabela was officially founded. The town's original official name was San Antonio de Isabela.

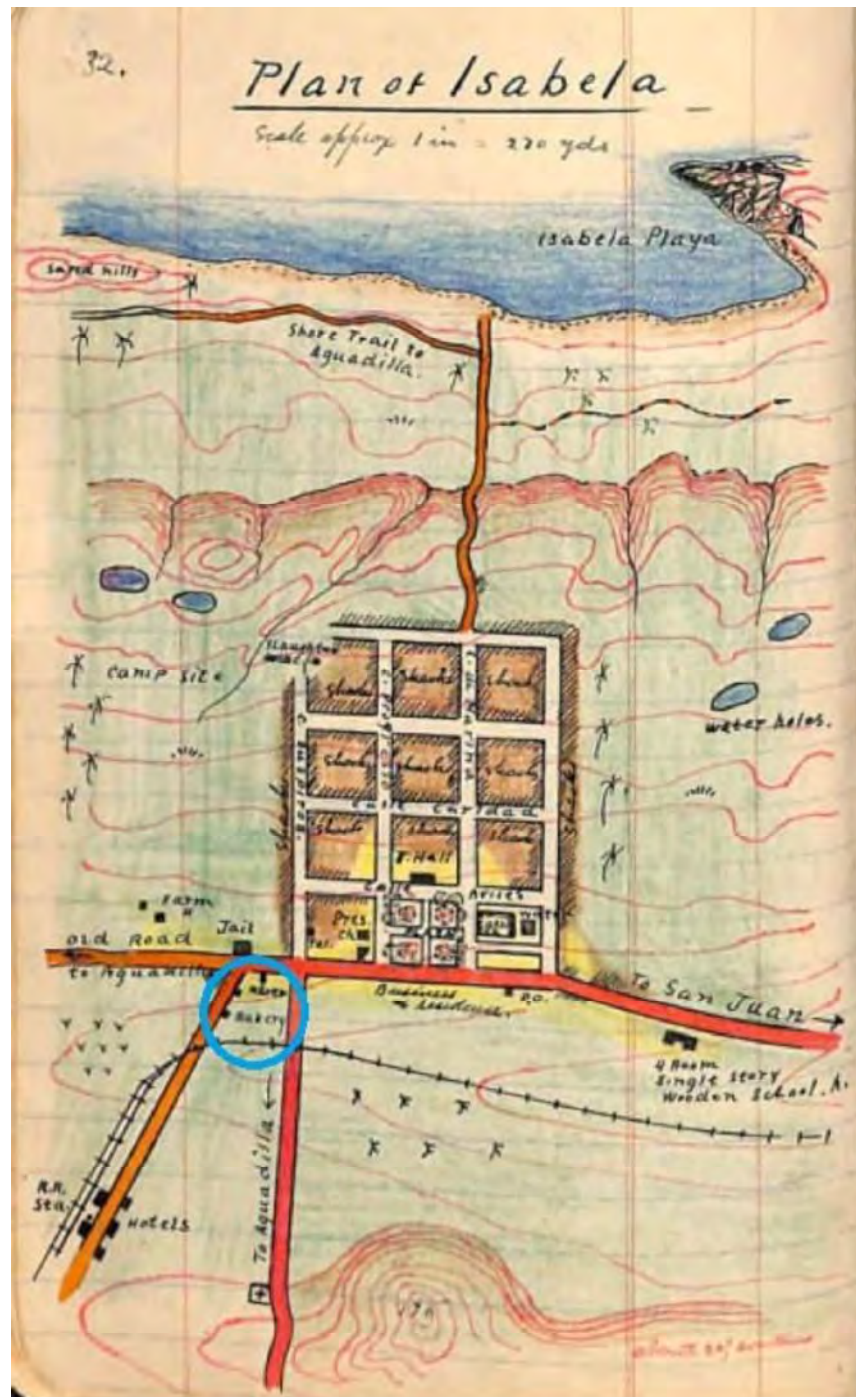
It was founded by Governor Mendizábal in 1725. On August 23, 1818, Bishop Mariano Rodríguez de Olmedo, along with the residents of La Tuna, decided to request the relocation of the settlement from San Antonio de la Tuna to the Isabela neighborhood.

This neighborhood, which was more populated, had its port in the area now known as Villa Pesquera. The Isabela neighborhood also had other facilities that facilitated its relocation.

In 1818, the residents of San Antonio de la Tuna went on a procession to the Isabela neighborhood. Using a wooden cross, they marked the spot where the church would be built. This neighborhood was named La Isabela in honor of Queen Isabel of Spain, leading the organizers to decide that the new town would bear the same name. In 1819, the town of Isabela and its boundaries were officially recognized.

In 1986, this municipality had 29 educational institutions, diagnostic and treatment centers, postal and telephone services, radio stations, and primary and secondary roads. The economy of Isabela today combines agricultural and industrial activities, with the latter being more prominent. There are factories producing clothing, leather goods, scientific instruments, and electrical and electronic equipment. Notable crops include sugarcane, tobacco, and minor fruits. Another activity is dairy farming.

The historic map is from the year 1904 and shows the urban center drawn in color as it was at the time. The historic map, titled Plan of Isabela c1904 (Figure #4) shows two buildings in the area of the direct APE adjacent to the urban center, one of them marked as a bakery. Aerial Imagery from the year 1930 shows us that the area adjacent to the Traditional Urban Center has been developed. Inside the direct APE at least four structures can be noted (Figure #5). The 1941 USGS topographic (Figure #6), due to scale does not show all the buildings individually but instead represents them as a large black rectangle but it does depict the single track, standard gauge railroad line that borders the southern perimeter of the Direct APE. The 1950 (Figure #7) aerial image shows Inside the direct APE at least seven structures can be noted covering most of the plot, including an apparent L shaped building in the center. More vegetation is evident in the form of trees to the northeast of the plot, but all the same buildings appear to still be on site, the L shape building is in fact two buildings on an L shape form. The 1960 USGS topographic quadrangle map (Figure #8) shows four structures to the northwest of the plot along the street. They probably represent the buildings already there since 1950, although their visual representation is not accurate to what the aerial imagery shows. The single track, standard gauge railroad line that bordered the Direct APE to the south is no longer present in the 1960 USGS topographic quadrangle map. Aerial imagery from the year 1993 (Figure #9) shows that at least two to three more buildings were erected on the direct APE. The northern building that formed the L shape structures expanded to the west doubling its size and absorbing a building that existed there. The only undeveloped area of the direct APE seems to be used as a parking lot. The 2009 aerial imagery (Figure #10) shows that all buildings but the three to the west were demolished and the entire east side of the plot has been used as a parking lot. In the remaining buildings was the northwestern side of the L shape structures that was previously expanded. Sometime after that but before 2011 the rest of the buildings were demolished, and the entire plot of the direct APE was asphalted. To this date it is used as a parking lot and nowadays has few food trucks parked on site.



 CRP-PR-000981 Approximate Location

Figure #4 "Plan of Isabela," illustrated town map from Armstrong's notebooks. Image sourced from: <https://doi.org/10.18737/M7D38>



Figure #5 The image above showcases the projects Direct APE over the 1930 aerial image sourced from costavistapr.org. This website is no longer available.

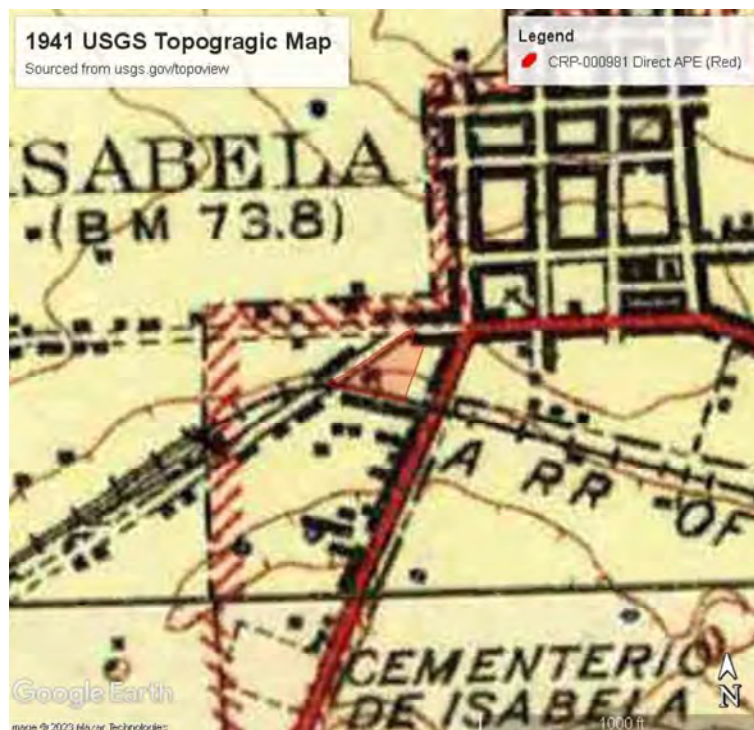


Figure #6 The image above depicts the projects Direct APE over the 1941 USGS topographic quadrangle map.



Figure #7 The image above showcases the projects Direct APE over the 1950 aerial image sourced from costavistapr.org. This website is no longer available.



Figure #8 1960 Isabela Puerto Rico, 7.5-Minute USGS Topographic Quadrangle Map



Figure #9 The image above showcases the projects Direct APE over the 1993 aerial image sourced from Google Earth.



Figure #10 The image above showcases the projects Direct APE over the 2009 aerial image sourced from Google Earth.

Archeological Potential

Based on this definition and the nature and scope of the Undertaking, the Program has determined that the direct APE for this project is 0.76 acres, (3085.64 m²) and the visual APE is the viewshed of the proposed project. The Direct APE is approximately 357 feet long (east to west), and 271 feet long (north to south).

The indirect Area of Potential Effects (APE) is defined as the viewshed encompassing parts of Celso Barbosa Street (north), Juan Gonzalez Street (south), Agustin Ramos Calero Avenue (east), and PR-742 (west), as well as a portion of the boundaries of the Traditional Urban Center of Isabela, located to the northeast of the proposed project, which may be impacted by the project's visual effects (**see Figure #11**). The Visual APE covers an area measuring 142 meters in length and 96.7 meters in width, totaling approximately 1.9 acres (7,700 m²), surrounding the Direct APE. The viewshed includes one- and two-story commercial and residential buildings, some of which display architectural styles such as Spanish Revival, Neoclassical, Catalán Modernism, Vernacular, and Postmodernism.



Figure #11 A soil map sourced from the United States Department of Agriculture is presented covering the area around the site and within the potential impact zone.

Due to its location, the project APPE has a potential for presence of archaeological resources from pre-Columbian and colonial times associated with the first inhabitants and the urban development of the town of Isabela during the last three centuries. In the excavations within the lot of the Gallery Plaza Isabela it is possible to find remanent of previous surfaces and structures, urban furniture, drainage structures, old utilities or artifacts related to the different site occupation periods and historic uses.



Photo #1 View at the intersection between Highway PR-472 (west) and C. Juan Gonzalez Street (south).



Photo #2 View from C. Juan Gonzalez Street to site. (Northwest)

IV. Archaeological Evaluation and Monitoring Procedure

The evaluation and monitoring activities can be divided into four groups: activities before the project begins, floor demolition and archaeological evaluation, activities during construction, and post-construction activities.

A. Before Construction Begins

1. The Construction Manager (CM) will notify the Project Manager (PM), Grant Manager (GM), and Archaeologist (SOI-A) of the proposed activities' start date. The PM is responsible for coordination between the CM and the SOI-A who will oversee the monitoring (Monitor). The GM shall notify the SHPO of the start date of the project and the archaeologist who will be conducting the archaeological monitoring and assessment work.
2. Before any demolition or construction begins, the municipality, PM, CM, GM, and SOI-A will have a kickoff meeting to discuss the procedure for archaeological monitoring, including the coordination protocol between the SOI-A and the Contractor, as per the Contractor's CPM. Timelines should be adjusted as necessary. The SOI-A will provide an orientation on the area's cultural resources and potential resources and their proper treatment. The SOI-A will also explain which project activities require archaeological monitoring.
3. The Municipality, CM, PM, and construction crew will complete and sign a statement outlining the activities that may not be performed without the SOI-A's presence, demonstrating their understanding and commitment to following the archaeological monitoring procedures.
4. The Monitor shall document the NHRP-eligible or potentially eligible building, if any, through detailed descriptions, photos, and scale drawings. Particular attention shall be paid to the construction stages of the building and to other associated structures that may exist within the project's area of potential effect. This data must be included in the final report.

B. Archaeological Monitoring During Construction Activities

1. The Monitor shall be in the field during all project activities involving demolition and ground disturbance, like the excavation of trenches for the installation of utilities; access and clear sightlines to all excavation activities and debris removal will be provided to the Monitor.
2. The Monitor shall provide instructions directly to the construction field personnel concerning how to proceed when there is a potential to impact an archaeological resource. The construction field personnel will abide by these requests: excavate slowly, stop the excavation work to evaluate a finding, etc. Caution should be exercised when excavating in areas where there may be buried resources. Likewise, if the pavement has to be lifted, this will have to be done slowly and in a controlled manner.

3. The Monitor shall document all archaeological remains identified during construction activities. The Monitor shall instruct the construction crew to immediately cease work in the vicinity of the discovery and take all reasonable measures to avoid or minimize harm to the remains. The documentation shall include a detailed description of the discovery, context, horizontal and vertical provenience, photos, and a plan drawing. This documentation shall be done within a reasonable amount of time, trying as much as possible, not to impact on the project schedule.
4. After demolition and removal of surface, the monitor shall document any exposed subsurface feature and shall complete a scale plan drawing. The amount, size, and replacement of excavation unit needed to document the features, if any, shall depend on the size and complexity of the feature being documented. If necessary to understand the context of the identified resource, the monitor should archival research of primary sources (like previous project files, newspapers, journals), cartographic sources, and historical images.
5. Any subsurface feature may be demolished and removed after being documented by the Monitor and approved by the GM. The information recorded will be included in the final report.
6. If the identified archaeological remains are considered historically significant- i.e., complex structures, precolonial remains or stratified deposits – the Monitor shall instruct the construction crew to (1) immediately cease work in the vicinity of the discovery, (2) take all reasonable measures to avoid or minimize harm to the property, and (3) notify the PM, CM and GM. The GM shall immediately notify the SHPO, as per stipulation III.B.1.b of the PA. The following protocol shall be followed:
 - a. The Monitor shall make a preliminary assessment of the finding. The assessment shall include a description of the discovery, location, horizontal and vertical extent (if known), context, photographs, and drawings, as deemed necessary. The assessment shall also include a work plan for implementing a National Register of Historic Places' eligibility evaluation of the exceptional remains.
 - b. The assessment and NRHP-eligibility evaluation work plan shall be submitted via email to the PM and GM within 24 hours of the discovery. The GM will comment on the work plan within 24 hours of receiving it.
 - c. The Monitor shall implement the work plan after receiving the GM's authorization to proceed. After completing the fieldwork, the Monitor shall prepare an End of Field Report, summarizing the results. Said report should include an NRHP-eligibility determination. The End of Field Report shall be submitted via email to the PM and GM within 48 hours after completing the fieldwork.
 - d. The GM shall notify the SHPO of the NRHP-eligibility determination.
 - i. If the finding is not eligible to the NRHP, the GM shall notify the SHPO and provide supporting documentation. Construction activities may resume under archaeological monitoring unless the SHPO disagrees with the NRHP determination and makes a timely objection within 48 hours of the notification.

- ii. If the finding is eligible to the NRHP, the criteria of adverse effect shall be applied. If the project activities do not adversely affect the finding, the GM shall notify the SHPO and provide supporting documentation. Construction activities may resume under archaeological monitoring unless the SHPO makes a timely objection within 48 hours of the notification.
 - iii. If the project activities have an adverse effect on the NRHP-eligible finding, a Data Recovery will be implemented as a Treatment Measure per Appendix F of the PA. The Monitor shall develop a data recovery plan with a research design consistent with the Secretary of the Interior's Guidelines for Archeological Documentation³ and the Advisory Council on Historic Preservation's (ACHP) recommendations on the recovery of significant information from archaeological sites as updated in 2009⁴. The data recovery plan shall be submitted via email to the GM for comments. The GM shall be responsible for submitting the data recovery plan to the SHPO for comments and approval. This treatment measure does not apply to burials or human remains (refer to II.B.11 of this work plan).
7. The Monitor shall keep a record of monitored activities and changes to schedule per amendment to the Contractor's CPM. The Monitor shall fill out the Daily Record of Activities Form (see Appendix A). These forms should be sent weekly to the PM, who will be responsible to submitting the forms to the GM for review. The Daily Record of Activities Form shall be attached to the final report as an appendix
 8. If any additional construction activities are added or design changes are made after the project has begun, the CM and PM, prior to performing the work, shall inform the GM and the SOI-A. The SOI-A, in conjunction with GM, shall evaluate these activities and apply the adverse effect criteria. If it is determined that the effect is adverse, the archaeologist will provide recommendations on how to avoid, minimize, or mitigate the adverse effect. These recommendations will be consulted with the SHPO prior to implementation. The SHPO will have 15 days to comment on the recommendations. If no communication is received within that time frame it will be assumed that the SHPO has no objection and concurs with the recommendations outlined.
 9. If during construction activities a historic property is affected in an unanticipated manner, the CM shall stop work immediately, and inform the PM, GM, and SOI-A. The SOI-A, in conjunction with GM, shall evaluate the unanticipated effects and apply the adverse effect criteria within no more than 24 hours. If the effect is determined to be adverse, the SOI-A and GM will provide recommendations on how to avoid, minimize, or mitigate such adverse effects.

³ http://www.nps.gov/history/locallaw/arch_%20stnds_7.htm

http://www.nps.gov/history/locallaw/arch_stnds_7.htm

⁴ https://www.achp.gov/protectinghistoricproperties/Section_106_Archaeology_%20Guidance

"https://www.achp.gov/protectinghistoricproperties/Section_106_Archaeology_Guidance

The GM shall consult with the SHPO on the recommendations prior to implementation. The SHPO will have 48 hours to comment on the recommendations. If no communication is received within that timeframe, it will be understood that the SHPO has no objection and concurs with the recommendations outlined.

C. After Construction Ends

Upon the completion of archaeological monitoring, the PM and GM shall be notified. The estimated date of delivery of the final report shall be indicated in the said notification.

A technical report shall be prepared detailing monitored construction activities, documentary research (if any), documentation archaeological features and other findings, and analysis and interpretation of the results. The report must include visual information, such as drawings and photos, and a sketch plan of all the documented findings. The report shall be submitted to the GM no later than six (6) weeks after completing the archaeological monitoring work. The GM shall submit the report to the SHPO no later than one (1) week after receiving it.

D. Human Remains

1. If human remains are discovered, the protocol established in Stipulation III.B.1.c. of the PA must be followed:
 - a. Stop work immediately.
 - b. Notify the local law enforcement office and coroner/medical examiner following applicable Commonwealth statute(s).
 - c. Protect the remains from any harm.
 - d. The GM shall be responsible for notifying the SHPO within twenty-four (24) hours of identifying human remains.

V. Professional Qualifications

The Monitor must meet the minimum Secretary of the Interior Professional Qualifications Standards for Archaeology established in 36CFR Part 61. These are: a graduate degree in archaeology, anthropology, or closely related field, plus at least one (1) year of full-time professional experience or equivalent specialized training in archaeological research, administration, or management; at least four (4) months of supervised field and analytic experience in general Puerto Rican archaeology; the demonstrated ability to carry research to completion; and at least one (1) year of full-time professional experience at a supervisory level in the study of archaeological resources of the pre-Columbian and colonial periods. Please see https://www.nps.gov/history/local-law/arch_stnds_9.htm for more information.

The SOI-qualified archaeologist shall not defer their monitoring responsibilities to any other person who does not meet the minimum professional qualifications. Any additional personnel to intervene in monitoring efforts shall have vast experience in historic archaeology, in working in evaluation (Phase II), documentation (Phase III), and monitoring projects dealing with colonial period properties.

The Principal Investigator may not transfer his or her duties, obligations, and responsibilities to subordinates or other technicians who are not professionally trained in archaeology. In the case of hiring archaeologists and trained technicians to assist in

archaeological monitoring, the Principal Investigator must be present for at least 25% of the duration of the fieldwork to supervise them.

VI. References

Advisory Council on Historic Preservation

2009 ACHP recommendations on the recovery of significant information from archaeological sites

https://www.achp.gov/protectinghistoricproperties/Section_106_Archaeology_Guidance.

Consejo para la Protección del Patrimonio Arqueológico Terrestre de Puerto Rico.

2017 *Reglamento para la radicación y evaluación arqueológica de proyectos de construcción y desarrollo*. San Juan: ICP. Reglamento #8932 del 8 de febrero de 2017.

Ingenieros del Oeste CSP

2023 Project Plans. Gallery Plaza Isabela (PR-CRP-000981).

Dilan, Heidi, and Alvarado Muñoz, Fernando

2023 Puerto Rico 2017 Disaster Recovery, CDBG-DR Program. City Revitalization Program (City- Rev). Section 106 NHPA Effect Determination for the Gallery Plaza Isabela Project (PR-CRP- 000981). Revised 2024.

National Park Service

s/f “Archeology and Historic Preservation: Secretary of the Interior’s Standards and Guidelines [As Amended and Annotated] Professional Qualification Standards”. https://www.nps.gov/history/local-law/arch_stnds_9.htm

s/f “Archeology and Historic Preservation: Secretary of the Interior’s Standards and Guidelines for Archeological Documentation”. http://www.cr.nps.gov/local-law/arch_stnds_7.htm

Puerto Rico State Historic Preservation Office (PRSHPO)

1993 *Guía para hacer investigaciones arqueológicas Fases I, II y III*. San Juan: Oficina del Gobernador.

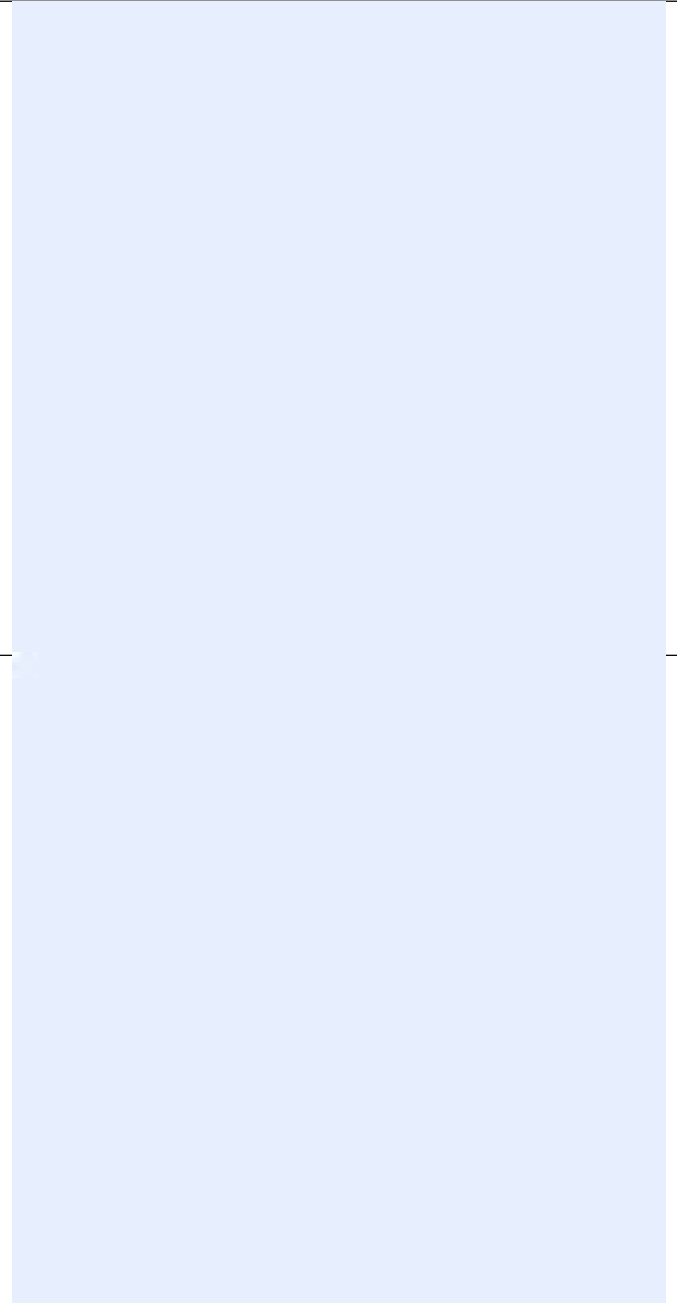
Appendix A: Monitoring Daily Activity Sheets

	PUERTO RICO 2017 DISASTER RECOVERY CDBG-DR CITY REVITALIZATION PROGRAM ARCHAEOLOGICAL MONITORING DAILY RECORD OF ACTIVITIES	
	Case ID:	Project Location (Street Address):
	City:	Project Coordinates:

SOI Qualified-Archaeologist:
Date of Monitoring: Click or tap to enter a date.
Work Hours:

<u>Description of work performed by contractor and supervised by the Monitor:</u>		
	YES	NO
Was an archaeological remain documented during the day. If yes, include required information below.	☐	☐
Was an exceptional archaeological remain identified during the day? If yes, explain below.	☐	☐
Have the construction activities affected a previously unidentified property or a known historic property in an unanticipated manner? If yes, explain below.	☐	☐
Has there been a change in the scope of work of the project? If yes, explain below.	☐	☐

	PUERTO RICO 2017 DISASTER RECOVERY CDBG-DR CITY REVITALIZATION PROGRAM ARCHAEOLOGICAL MONITORING DAILY RECORD OF ACTIVITIES
Case ID:	Project Location (Street Address):
City:	Project Coordinates:

Site Photos	
Direction of Photo: Click here to enter text. Description: Click here to enter text.	
Direction of Photo: Click here to enter text. Description: Click here to enter text.	



GOVERNMENT OF PUERTO RICO

STATE HISTORIC PRESERVATION OFFICE

Executive Director | Carlos A. Rubio Cancela | carubio@prshpo.pr.gov

Saturday, December 7, 2024

Lauren B Poche

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

SHPO-CF-11-18-24-03 PR-CRP-000981 (Isabela), Gallery Plaza Isabela"

Dear Ms. Poche,

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

After a review of all the documentation, the PRSHPO concurs with your determination that the proposed project will have no adverse effect on historic properties conditioned to a archaeological monitoring during all ground disturbing activities for the project. An archaeology monitoring work plan must be submitted to PRSHPO for its review and concurrence before any works initiates.

If you have any questions concerning our comments, do not hesitate to contact our Office.

Sincerely,

Carlos A. Rubio Cancela

State Historic Preservation Officer

CARC/GMO/ OJR



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



GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

April 30, 2024

Arch. Carlos A. Rubio Cancela

Executive Director

Puerto Rico State Historic Preservation Office

Cuartel de Ballajá, Third Floor

San Juan, Puerto Rico 00901

Re: Authorization to Submit Documents for Consultation

Dear Arch. Rubio Cancela,

The U.S. Department of Housing (HUD) approved the allocations of Community Development Block Grant (CDBG-DR) funds on February 9, 2018. It also approved the allocation of Community Development Block Grant Mitigation (CDBG-MIT) funds on January 27, 2020. The purpose of these allocations is to address unsatisfied needs as a result of Hurricanes Irma and Maria in September 2017; and to carry out strategic and high-impact activities to mitigate disaster risks and reduce future losses.

To comply with the environmental requirements established by HUD, the Department of Housing of Puerto Rico (PRDOH) contracted Horne Federal LLC to provide environmental review services, among others, that will support the objectives of the agenda for both CDBG-DR and CDBG -MIT Programs.

To expedite the processes, Horne Federal LLC, is authorized to submit to the State Historic Preservation Officer, documentation of projects related to both the CDBG-DR and CDBG-MIT on behalf of PRDOH.

Cordially,

Aldo A. Rivera Vázquez, PE

Director

Division of Environmental Permitting and Compliance

Office of Disaster Recovery

11/18/2024

Carlos A. Rubio Cancela
State Historic Preservation Officer
Puerto Rico State Historic Preservation Office
Cuartel de Ballajá (Tercer Piso)
San Juan, PR 00902-3935

Puerto Rico Disaster Recovery, CDBG-DR City Revitalization (City-Rev) Program
Section 106 NHPA Effect Determination Submittal for PR-CRP-000981, Gallery Plaza Isabela, Isabela, Puerto Rico – No Adverse Effect, Conditioned

Dear Architect Rubio Cancela,

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

On behalf of PRDOH, HORNE is submitting documentation for the proposed Gallery Plaza Isabela, adjacent to the Isabela Traditional Urban Center. The Municipality of Isabela proposes to transform the existing parking lot into a food truck park that will provide leisure spaces and outdoor activities for the local community. Proposed improvements include removing the existing sidewalks and constructing new concrete sidewalks, a new concrete floor slab, replacement and addition of parking spaces, the addition of a pergola, kiosk and playground, and new lighting, benches and food truck stations. The full scope of the project is described in the submitted documentation, which includes mapping, photographs, and the 100% design development plans.

Based on the provided documentation, the Program requests a concurrence with a determination that "No Adverse Effect" is appropriate for this undertaking, conditioned to archaeological monitoring for all ground disturbing activities and excavations. If this condition is deemed appropriate, an archaeological monitoring plan will be prepared and submitted to the PRSHPO for review and concurrence of the appropriateness of its implementation for this undertaking.

If you have any questions or concerns, please contact me by email at lauren.poche@horne.com or phone at 225-405-7676.

Kindest regards,



Lauren Bair Poche. M.A.

Architectural Historian, EHP Senior Manager
LBP/KPS

Attachments

PR-CRP-000981

Gallery Plaza Isabela Project

Isabela, Puerto Rico

Section 106 Effect Determination Form

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination		 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Subrecipient: Municipality of Isabela		
Project Name: Gallery Plaza Isabela		Project ID: PR-CRP-000981

Project Location: PR-472 and Juan González Street, Isabela, Puerto Rico, 00662	
Project Coordinates: 18.500198, -67.025665	
TPID (Número de Catastro): 003-096-053-01-901, 003-096-053-02-901, 003-096-053-03-001, 003-096-053-04-001, and 003-096-053-13-000	
Type of Undertaking: ☐ Substantial Repair ☒ New Construction	
Construction Date (AH est.): N/A	Property Size (acres): 0.76

SOI-Qualified Architect/Architectural Historian: Heidi J. Dilan, SOI Architectural Historian
Date Reviewed: 11/20/2023 Rev: 3/2024; 13/Jun/2024; 8/16/2024; 09/24/2024; 10/23/2024
SOI-Qualified Archaeologist: Fernando Alvarado Muñoz, SOI Archaeologist
Date Reviewed: 10/17/23, 01/11/24 (rev.), 05/07/24 (rev.), 06/18/24 (rev.), 09/25/2024 (rev.)

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

Project Description (Undertaking)

The proposed project site is located in the Municipality of Isabela, bordered to the south by Juan González Street and to the northwest by Carr. PR-472. The project aims to transform the existing parking lot into a food truck park that will provide leisure spaces and outdoor activities for the local community. This initiative is designed to benefit the surrounding areas, specifically those along Celso Barbosa Street to the north, Juan González Street to the south, Agustín Ramos Calero Avenue to the east, and PR-742 to the west.

According to the site plan dated October 13, 2023, outlined by the developer, the project includes the following key activities:

1. **New Construction:** The proposed scope of work includes the following construction additions to the project site:
 - a. **Concrete Floor Slab and Sidewalks:** The existing sidewalks along Juan González Street and Carr. PR-472 within the project area vary in width from 1 to 1.5 meters. Currently, there is no vehicular or truck access to the site. To address this, the

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination	
Subrecipient: Municipality of Isabela	
Project Name: Gallery Plaza Isabela	Project ID: PR-CRP-000981

project involves removing the existing sidewalks and constructing new concrete sidewalks, which will include vehicular and truck entrances. The new sidewalks will be approximately 4 inches thick, with an additional 4-6 inches of excavation required for substrate preparation and formwork. Additionally, the project scope includes a 4-inch-thick concrete floor slab covering the 0.76 acres (3085.64 m²) of the site. This slab will also require excavating an extra 4-6 inches for substrate preparation and formwork.

- b. **Parking Spaces:** The proposed scope of work includes the replacement and addition of parking spaces to the southeast of the project site. Additionally, a new vehicular entrance is planned for the northwest side of the site (see Figure 1). Implementing these parking spaces and the entrance will involve ground-disturbing activities, with excavation depths varying and potentially reaching up to 2 feet below ground level.
 - c. **Pergola:** The project includes the addition of a pergola located to the west of the proposed site (**see Figure 1**). This pergola will feature a recreational seating area and a planting area. The construction will involve ground-disturbing activities for its foundation, though the depth of these activities is not specified in the provided plans.
 - d. **Kiosk:** The project includes the addition of a kiosk located to the north of the proposed site (**see Figure 1**). This kiosk will feature a recreational seating area, a planting area, bathrooms, and a service/kitchen area. The construction of the kiosk will involve ground-disturbing activities for its foundation, though the depth of these activities is not specified in the provided plans.
 - e. **Playground:** The proposed scope of work includes the addition of a playground located in the northeast of the project site (**see Figure 1**). The playground will feature a recreational seating area, a planting area, and various playground amenities. Additionally, the construction of the Playground, as previously mentioned in the section of Concrete Floor Slab and Sidewalk, will require ground-disturbing activities.
- 2. Installation Activities:** The project involves installing benches and seating areas along the north, northeast, and west sides of the site. Additionally, new lighting equipment will be installed in the north, south, west, and central areas. The foundations for the

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination		
Subrecipient: Municipality of Isabela		
Project Name: Gallery Plaza Isabela	Project ID: PR-CRP-000981	

lighting equipment will require limited excavations up to 3 feet deep and 2 feet in diameter, situated within the newly planted and seating areas. Furthermore, the project scope includes setting up 6 food truck stations facing Juan González Street and Station Avenue in the southwest part of the site. These stations will be equipped with lighting, electrical facilities, and potable water connections.

- 3. Demolition and Removal Activities:** The proposed scope of work includes removing objects such as parking islands, stoppers, and pavement that currently obstruct the site. Additionally, the project involves demolishing concrete islands located in the north, south, and central areas to facilitate the new construction activities. These demolition efforts will involve ground-disturbing activities, with excavation depths potentially reaching up to 3 feet below ground level. In addition, the project proposes the demolition of an existing structure located on the northwest side of the parking area. However, the expected depth of the ground disturbance resulting from this activity is not specified in the provided plans.

The activities detailed above are visually represented in the following figure:

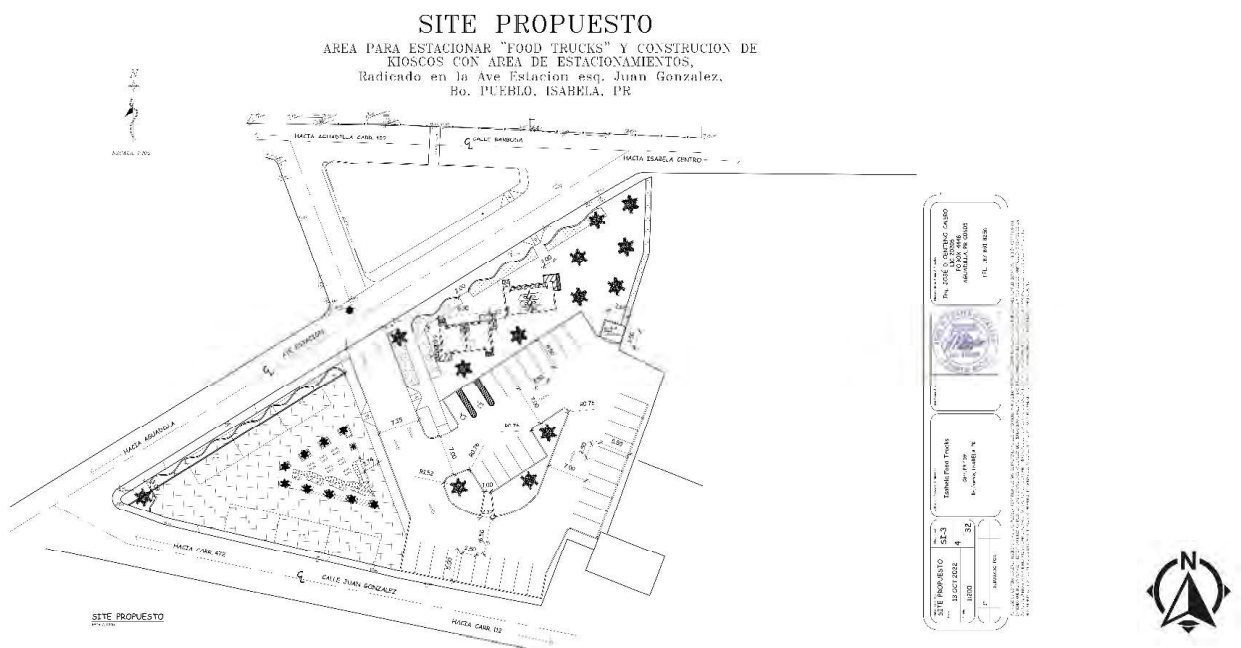


Figure 1: Proposed Site Plan, 13/October/2023 Set of Plans

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination		
Subrecipient: Municipality of Isabela		
Project Name: Gallery Plaza Isabela	Project ID: PR-CRP-000981	

Area of Potential Effects

As defined in 36 CFR §800.16(d), the area of potential effects (APE) is the geographic area or areas within which an undertaking may directly or indirectly cause changes in the character or use of historic properties if any such properties exist. Based on this definition and the nature and scope of the Undertaking, the Program has determined that the direct APE for this project is 0.76 acres, (3085.64 m²) and the visual APE is the viewshed of the proposed project. The Direct APE is approximately 357 feet long (east to west), and 271 feet long (north to south).

The indirect Area of Potential Effects (APE) is defined as the viewshed encompassing parts of Celso Barbosa Street (north), Juan Gonzalez Street (south), Agustin Ramos Calero Avenue (east), and PR-742 (west) (**see Figure 4**), as well as a portion of the boundaries of the Traditional Urban Center of Isabela, located to the northeast of the proposed project, which may be impacted by the project's visual effects (**see Figure 7**). The Visual APE covers an area measuring 142 meters in length and 96.7 meters in width, totaling approximately 1.9 acres (7,700 m²), surrounding the Direct APE. The viewshed includes one- and two-story commercial and residential buildings, some of which display architectural styles such as Spanish Revival, Neoclassical, Catalán Modernism, Vernacular, and Postmodernism.

Identification of Historic Properties - Archaeology

Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information, by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61), shows that the project area is not within the boundaries of the Traditional Urban Center of Isabela but it is adjacent to it. There have been six previous archaeological investigations within the 0.25-mile research zone and there is one previously identified cultural resource within the same boundary.

Prehistory and History of Isabela

In the region we now know as Isabela, the Cacique Mabodomaca (Amamón) reigned, one of the most important leaders on the Island of Puerto Rico during the early 16th century. He is remembered because he was the Cacique who led 600 men to intercept Spanish soldiers during the Taino rebellion against the Spaniards. (Abbad y Lasierra, Iñigo. Historia Geográfica,

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination		 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Subrecipient: Municipality of Isabela		
Project Name: Gallery Plaza Isabela	Project ID: PR-CRP-000981	

Civil y Política de la Isla de San Juan Bautista de Puerto Rico. Spanish Edition, p. 56-59. Kindle Edition).

In 1818, the residents of San Antonio de la Tuna, a settlement established in the 17th century, along with other settlers from the surrounding region, were relocated to a new area. This location became the site where, on May 21, 1819, the town of Isabela was officially founded. The town's original official name was San Antonio de Isabela.

It was founded by Governor Mendizábal in 1725. On August 23, 1818, Bishop Mariano Rodríguez de Olmedo, along with the residents of La Tuna, decided to request the relocation of the settlement from San Antonio de la Tuna to the Isabela neighborhood. This neighborhood, which was more populated, had its port in the area now known as Villa Pesquera. The Isabela neighborhood also had other facilities that facilitated its relocation.

In 1818, the residents of San Antonio de la Tuna went on a procession to the Isabela neighborhood. Using a wooden cross, they marked the spot where the church would be built. This neighborhood was named La Isabela in honor of Queen Isabel of Spain, leading the organizers to decide that the new town would bear the same name. In 1819, the town of Isabela and its boundaries were officially recognized.

In 1986, this municipality had 29 educational institutions, diagnostic and treatment centers, postal and telephone services, radio stations, and primary and secondary roads. The economy of Isabela today combines agricultural and industrial activities, with the latter being more prominent. There are factories producing clothing, leather goods, scientific instruments, and electrical and electronic equipment. Notable crops include sugarcane, tobacco, and minor fruits. Another activity is dairy farming.

Aerial Imagery, Historic Maps and Topographic Quadrangle Maps

Historic aerial images and maps were examined to identify the past land use history of the APE. One historic map, four aerial images and two topographic quadrangle maps that show that depict the Direct APE were identified during research. These are:

- 1904, Plan of Isabela, <https://doi.org/10.18737/M7D38B> (Figure 17)
- 1930, Aerial Image, DTOP Photogrammetry Office (Figure 13)
- 1950, Aerial Image, DTOP Photogrammetry Office (Figure 14)
- 1993, Aerial Image, Google Earth Pro (Figure 15)
- 2009, Aerial Image, Google Earth Pro (Figure 16)
- 1941, Isabela, Puerto Rico, 7.5-Minute, USGS Topographic Quadrangle Map (Figure 4)
- 1960, Isabela, Puerto Rico, 7.5-Minute, USGS Topographic Quadrangle Map (Figure 12)

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination		
Subrecipient: Municipality of Isabela		
Project Name: Gallery Plaza Isabela	Project ID: PR-CRP-000981	

The historic map is from the year 1904 and shows the urban center drawn in color as it was at the time. The historic map, titled Plan of Isabela c1904 (included with the other maps at the end of this document), shows two buildings in the area of the direct APE adjacent to the urban center, one of them marked as a bakery. Aerial Imagery from the year 1930 shows us that the area adjacent to the Traditional Urban Center has been developed. Inside the direct APE at least four structures can be noted. The 1941 USGS topographic, due to scale does not show all the buildings individually but instead represents them as a large black rectangle but it does depict the single track, standard gauge railroad line that borders the southern perimeter of the Direct APE. The 1950 aerial image shows Inside the direct APE at least seven structures can be noted covering most of the plot, including an apparent L shaped building in the center. More vegetation is evident in the form of trees to the northeast of the plot, but all the same buildings appear to still be on site, the L shape building is in fact two buildings on an L shape form. The 1960 USGS topographic quadrangle map shows about four structures to the northwest of the plot along the street. They probably represent the buildings already there since 1950, although their visual representation is not accurate to what the aerial imagery shows. The single track, standard gauge railroad line that bordered the Direct APE to the south is no longer present in the 1960 USGS topographic quadrangle map. Aerial imagery from the year 1993 shows that at least two to three more buildings were erected on the direct APE. The northern building that formed the L shape structures expanded to the west doubling its size and absorbing a building that existed there. The only undeveloped area of the direct APE seems to be used as a parking lot. The 2009 aerial imagery shows that all buildings but the three to the west were demolished and the entire east side of the plot has been used as a parking lot. In the remaining buildings was the northwestern side of the L shape structures that was previously expanded. Sometime after that but before 2011 the rest of the buildings were demolished, and the entire plot of the direct APE was asphalted. To this date it is used as a parking lot and nowadays has a few food trucks parked on site.

Note: All Maps and images are included with the rest of the required maps at the end of this document.

First Site Intervention

According to the 13/October/2023 set of plans, before the first intervention, there were properties inside of the proposed site dating back to 1930 (**See Figure 13**) and in the 2009 aerial image (**See Figure 16**) we can see that the properties were removed to create a parking space. We can conclude that there was an intervention done in the years leading up to 2010 in the proposed site.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination		
Subrecipient: Municipality of Isabela		
Project Name: Gallery Plaza Isabela		Project ID: PR-CRP-000981

Archaeological Studies and Previously Identified Archaeological Sites

The following table shows the results of all archaeological the 0.25-mile research zone. This data is based on the research done and obtained from the Institute of Puerto Rican Culture and the State Historic Preservation Office.

Study Identification	Title	Author	Type	Results	Historic / Prehistoric	Period	Distance from the Project
ICP/CAT-IS-86-01-02	Estacionamiento y Terminal De Carros Públicos, Solar Del Municipio De Isabela, Ext. José A. Vargas	José E. Irizarry Avilés	Phase IA-IB	Negative	N/A	N/A	0.08 miles
ICP/CAT-IS-86-01-04	Banco Popular de PR, Jesús T. Piñero, Carretera 112	José E. Irizarry Avilés	Phase IA-IB	Negative	N/A	N/A	0.03 miles
ICP/CAT-IS-96-06-01	Sistema Alcantarillado Sanitario	Ethel V. Schlafer Román	Phase IA-IB	Positive, Out of Context	Historic	XX	0.06 miles
ICP/CAT-IS-98-06-07	Parque De Recreación y Deportes	Juan González Colón	Phase IA-IB	Negative	N/A	N/A	0.15 miles
ICP/CAT-IS-98-06-08	Acueducto Regional Del Noroeste Informe Preliminar	Norma Medina Carrillo	Phase IA	Positive	Historic	XX	0.21 miles
ICP/CAT-IS-06-11-03	Comunidad La Marina	Norma Medina Carrillo	Phase IA	Negative	N/A	N/A	0.16 miles

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination		 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Subrecipient: Municipality of Isabela		
Project Name: Gallery Plaza Isabela	Project ID: PR-CRP-000981	

The following table shows data related to previously identified Archaeological Sites within the 0.25-mile research zone by The Institute of Puerto Rican Culture and the State Historic Preservation Office.

Site Identification	ICP/CAT or SHPO	Site Name	Distance from the Project
IB0200024	SHPO	Cementerio Municipal de Isabela	0.17 miles

Preliminary Results:

Our research and the resources at our disposal have enabled us to pinpoint six (6) archaeological projects that are relevant to this undertaking. Of those only two (2) bore positive results. The first one, ICP/CAT-IS-96-06-01, is between 0.06 miles and 0.53 miles to the west of our project. In this project glass and ceramic remains were recovered but this material was found out of context. Additionally, the finds were discovered outside this project APE. The second one, ICP/CAT-IS-06-11-03, consisted of a Phase IA study. Although the project bore positive results, these were historic buildings inside the Municipality of Aguada way outside of this project area of potential effect.

The only previously identified cultural resource within the APE corresponds to IB0200024, Cementerio Municipal de Isabela. This historic cemetery is located 0.17 miles to the south of this undertaking.

The early 20th-century (c1904) Plan of Isabela by Lt. William H. Armstrong clearly indicates the presence of two buildings within the current project site. One of them was situated in the southwest corner, likely functioning as a bakery, while the other was located to the northeast of the plot. Additional buildings can be seen in the USGS topographic quadrangle maps of the years 1941 and 1960 and on the aerial imagery of the years 1930, 1950, 1995 and 2009. Another important element depicted in the 1941 USGS topographic quadrangle map is the presence of a standard gauge, single track railroad line crossing from west to east through the southern border of the Direct APE.

Although the initial assessment suggests that the only two positive study's findings are located outside the 0.25-mile research zone, and the only previously identified cultural resource is situated near the southern edge of the 0.25-mile research zone, a more comprehensive analysis is needed. When we consider the Direct APE is adjacent to the Isabela Traditional Urban Center, and its plaza (approximately 0.10 miles to the northeast), the likelihood of discovering historic archaeological material during the construction of this project ranges

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination		 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Subrecipient: Municipality of Isabela		
Project Name: Gallery Plaza Isabela	Project ID: PR-CRP-000981	

from moderate to high. This specially related to the railroad and the buildings constructed there since the 19th Century. The potential of unearthing prehistoric archaeological material is low, but the potential is still there, especially considering the area was previously associated with the Taino region controlled by the Cacique Mabodamaca during the early 16 century.

Identification of Historic Properties - Architecture

Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information, by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61), shows the project area is adjacent to the Isabela Traditional Urban Center, which is eligible for listing in the National Register of Historic Places. This research also demonstrates that there are 11 properties eligible for listing in the NRHP within 1/4 mile of the project area; there are no listed NRHP sites nor locally designated sites in that 1/4-mile radius.

The following properties are NHRP-eligible within a 1/4-mile radius research area of the proposed project area:

- **The historic plaza Manuel María Corchado y Juarbe**
at 0.14 miles Northeast from Direct APE
- **Parroquia San Antonio de Pauda**
at 0.18 miles Northeast from Direct APE
- **Casa Alcaldía de Isabela**
at 0.17 miles Northeast from Direct APE
- **Museo Cultural Isabelino**
at 0.13 miles Northeast from Direct APE
- **Iglesia Presbiteriana**
at 0.11 miles Northeast from Direct APE
- **Cine/Teatro de Isabela**
at 0.1 miles Northeast from Direct APE
- **Logia Masonica Cuna de Manuel Corchado #71**
at 0.06 miles North from Direct APE
- **Cementerio Municipal is located**
at 0.19 miles away South from Direct APE
- **[Edificio] (Hoy Farmacia Chaves)**
at 0.15 miles East from Direct APE

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination	
Subrecipient: Municipality of Isabela	
Project Name: Gallery Plaza Isabela	Project ID: PR-CRP-000981

The origin of the people of Isabela dates to the establishment of native groups in the region, highlighting the chiefdom of Mabodomaca. Around the year 1725, Governor José Antonio de Mendizábal y Azares authorized the organization of a town in the herd. By the end of the 18th century and according to Fray Iñigo Abbad y Lasierra, the town already had a church, more than 60 homes and nearly 1,200 inhabitants throughout the territory. Its economy depended mainly on livestock. But around 1818, the residents of the place granted power to Pablo Corchado to request from Governor Salvador Meléndez, authorization to move the population to a new headquarters closer to the seacoast and which would bear the name of Isabela, in honor of the Queen Isabel of Castile. Meléndez approved the request, and the new town was founded on May 21, 1819. In the new place, the cultivation of sugar cane, coffee, tobacco, and small fruits was promoted.

The municipality of Isabela is located on the northern coast of Puerto Rico. Its territory covers 144.57 square kilometers (55.82 square miles). At present, Isabela depends economically on tourism and high-tech manufacturing. Livestock and agriculture are a moderate economic source. The cultivation of cassava stands out, especially in the Jobos neighborhood. The coastal area of Isabela develops a fishing economy.

The town of Isabela is part of the Northern Coastal Plains. It borders to the North with the Atlantic Ocean, to the South with the municipality of San Sebastián, to the East with Quebradillas and to the West with Aguadilla and Moca. Towards the south of its territory are the Aymamón Mountains, which are an extension of the Jaicoa Mountain Range.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination		
Subrecipient: Municipality of Isabela		
Project Name: Gallery Plaza Isabela	Project ID: PR-CRP-000981	

Determination

The following historic properties have been identified within the APE:

- Direct Effect:
 - Due to the evidence found in the historic maps, aerial images and topographic quadrangle maps there is a Moderate potential of finding historic archaeological materials.
- Indirect Effect:
- The construction of the proposed undertaking will have no negative indirect effect (No Adverse Effect) on the Traditional Urban Center of Isabela. Additionally, the project will not adversely impact the NRHP-eligible properties identified in the indirect APE, the only NRHP-eligible property identified within the determined boundaries of the Indirect APE is:
 - A. Logia Masonica Cuna de Manuel Corchado #71
at 0.06 miles North from Direct APE

Based on the results of our historic property identification efforts, the Program has determined that the project actions will not have an adverse effect on the previously identified historic properties surrounding the Area of Potential Effects (APE) or the Logia Masonica Cuna de Manuel Corchado #71. Despite the proximity of the main historic urban center and plaza, the proposed project will not have an indirect or direct adverse effect on the Traditional Urban Center of Isabela.

Even though the project has a proximity to the Traditional Urban Center of Isabela, it does not include properties directly within the APE. Furthermore, key historic landmarks such as The historic plaza Manuel María Corchado y Juarbe, Parroquia San Antonio de Pauda, and other significant structures are located at least 0.1 miles away, ensuring that the project's scope will not negatively impact these areas. Moreover, the project will not affect any of the NRHP-eligible properties identified within or surrounding the indirect APE, confirming the conclusion of no adverse effect.

Other side effects of this development include loud construction noises and the temporary closure of PR-472 and José Celso Barbosa Street during construction and paving, which will cause minor disruptions at the entrances and exits of the urban area. Archaeological monitoring should continue throughout all demolition, excavation, and ground-disturbing activities. An archaeological monitoring plan is included with this submission for review and approval to ensure its appropriateness for this undertaking.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination		
Subrecipient: Municipality of Isabela		
Project Name: Gallery Plaza Isabela		Project ID: PR-CRP-000981

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): Archaeological monitoring for all ground disturbing activities and excavations. A monitoring plan will be prepared and submitted to the PRSHPO for review and approval.

☐ Adverse Effect

Proposed Resolution (if applicable)

This Section is to be Completed by SHPO Staff Only

The Puerto Rico State Historic Preservation Office has reviewed the above information and:	
☐ Concurs with the information provided. ☐ Does not concur with the information provided.	
Comments:	
Carlos Rubio-Cancela State Historic Preservation Officer	Date:

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



Figure 2

Description: Google Earth 2024 Aerial image of the APE (red) and the indirect APE surrounding it (green),



Subrecipient: Municipality of Isabela

Project Name: Gallery Plaza Isabela

Project ID: PR-CRP-000981

Project (Parcel) Location - Aerial Map



Figure 3

Description: Detailed aerial image from Google Earth 2023. The project will be located two blocks away from the historic urban center of the town. Between PR-472 east, in the south is C. Juan Gonzalez Street, to the east is Agustín Ramos Calero Avenue and to the north is C. Celso Barbosa Street.

Project (Parcel) Location - USGS Topographic Map

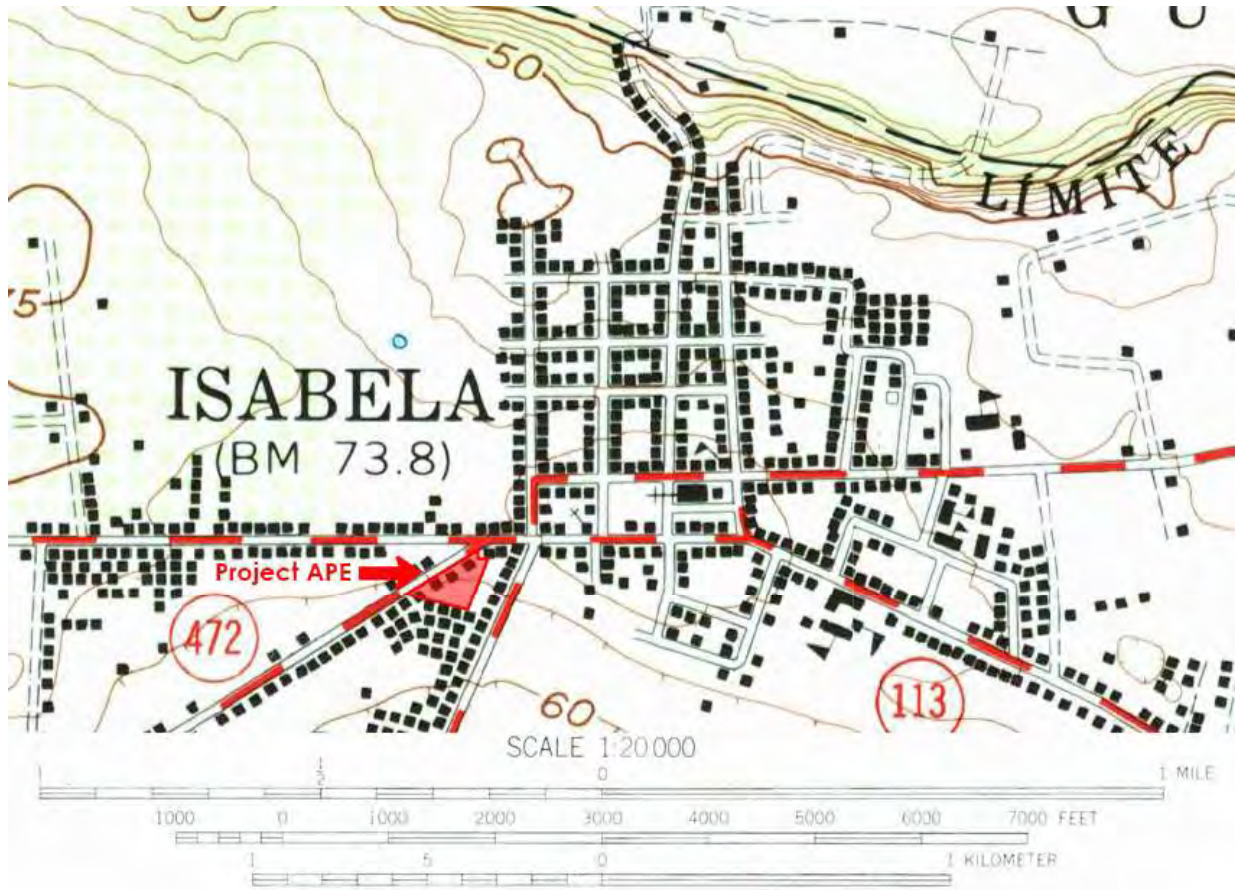


Figure 4

1960 Isabela Puerto Rico, 7.5-Minute USGS Topographic Quadrangle Map

Scale: 1:20000



Subrecipient: Municipality of Isabela

Project Name: Gallery Plaza Isabela

Project ID: PR-CRP-000981

Project (Parcel) Location – Isabela Traditional Urban Center and Direct APE Location



Figure 5



Project Location with Previously Recorded Cultural Resources – NRHP Eligible

Eligible Within 0.25 miles Research Buffer Zone



Figure 6

Description: Google Earth 2024 Aerial image of the APE (red), the indirect APE surrounding it (green), the ¼ mile buffer zone (yellow circle), and the NRHP eligible properties within the buffer zone (yellow, orange, white, black, purple, magenta, pink, blue, light blue).



Project (Parcel) Location – Soils Map



Figure 7

Description: A soil map sourced from the United States Department of Agriculture is presented covering the area around the site and within the potential impact zone.

Subrecipient: Municipality of Isabela

Project Name: Gallery Plaza Isabela

Project ID: PR-CRP-000981

Project (Parcel) Location with Previous Investigations - Aerial Map



Figure 8

Description: The image above focuses on the archaeology projects within the area of potential effect, highlighting archaeological projects identified both around the site and within the potential impact zone.

Subrecipient: Municipality of Isabela

Project Name: Gallery Plaza Isabela

Project ID: PR-CRP-000981

Project (Parcel) Location with Previous Investigations - Topographic



Figure 9

Description: The image above focuses on the archaeology projects within the area of potential effect, highlighting archaeological projects identified both around the site and within the potential impact zone.

**Project (Parcel) Location with Previously Recorded Cultural Resources
Aerial**



Figure 10

Description: The image above showcases all previously recorded cultural resources within this project APE or its vicinity. The image was sourced from USGS Historical Topographic Map Explorer.

Subrecipient: Municipality of Isabela

Project Name: Gallery Plaza Isabela

Project ID: PR-CRP-000981

**Project (Parcel) Location with Previously Recorded Cultural Resources
USGS Topographic Map**

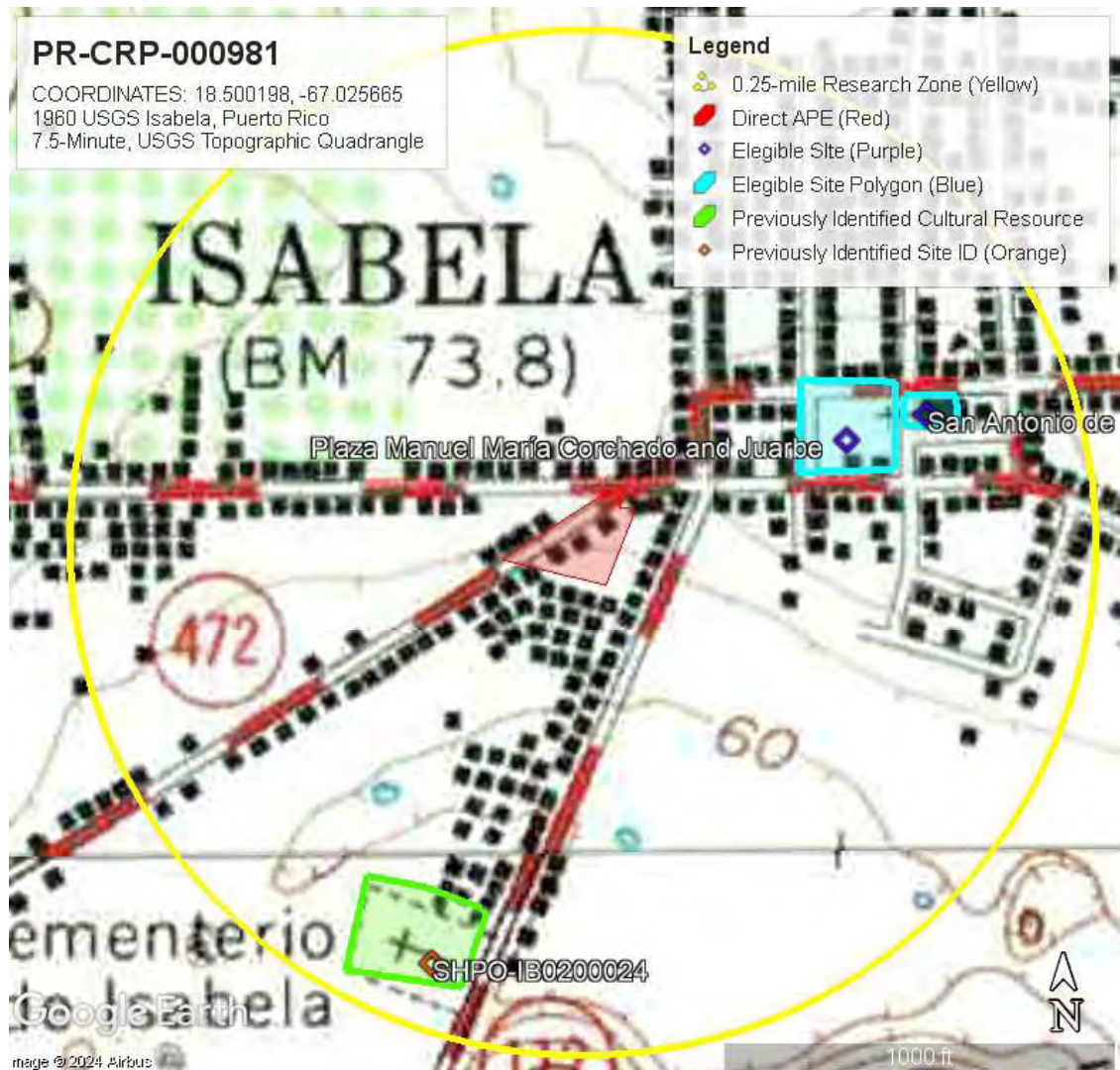


Figure 11

Description: The image above showcases all previously recorded cultural resources within this project APE or its vicinity. The image was sourced from USGS Historical Topographic Map Explorer.

1941 USGS Topographic Quadrangle Map

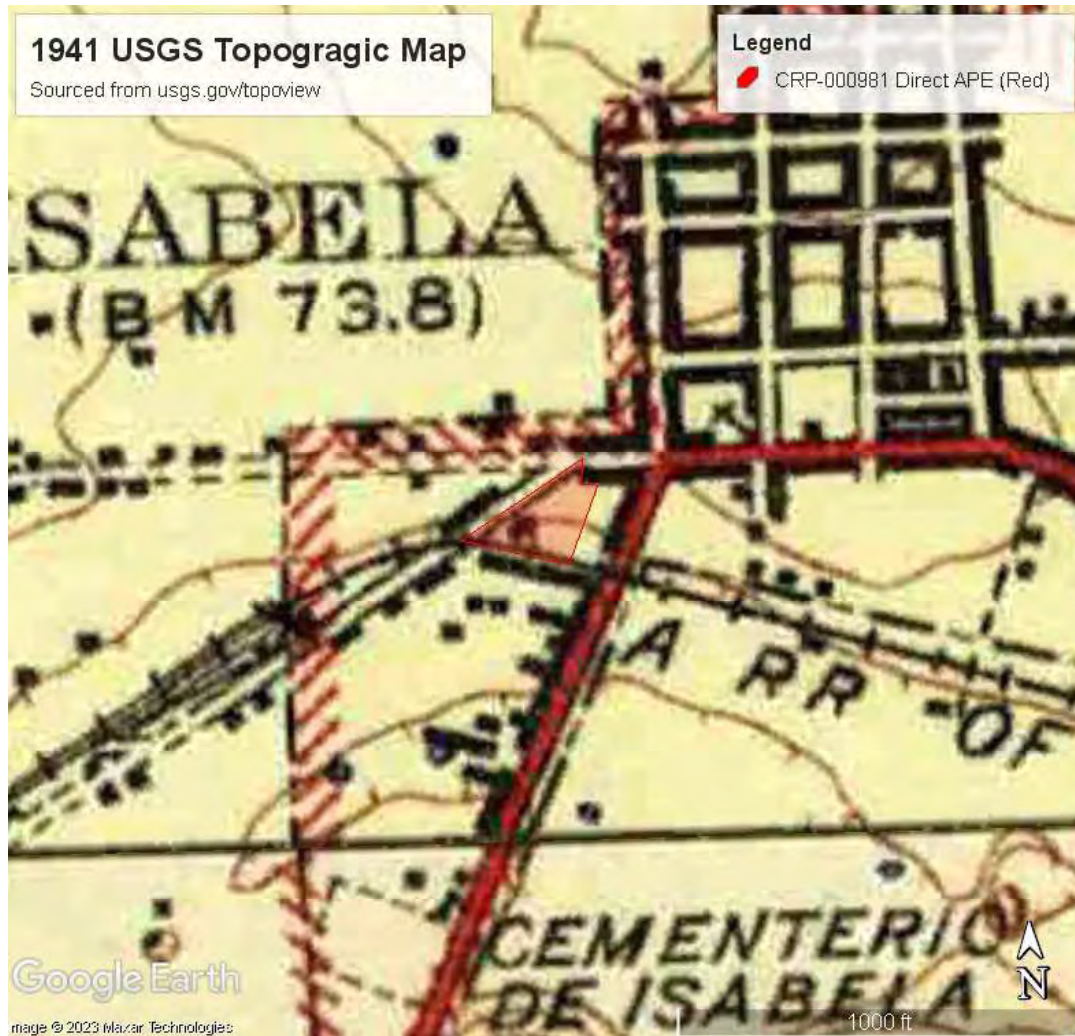


Figure 12

Description: The image above depicts the projects Direct APE over the 1941 USGS topographic quadrangle map.

1930 Aerial Image



Figure 13

Description: The image above showcases the projects Direct APE over the 1930 aerial image sourced from costavistapr.org. This website is no longer available.

1950 Aerial Image



Figure 14

Description: The image above showcases the projects Direct APE over the 1950 aerial image sourced from costavistapr.org. This website is no longer available.

1993 Aerial Image



Figure 15

Description: The image above showcases the projects Direct APE over the 1993 aerial image sourced from Google Earth.

Subrecipient: Municipality of Isabela

Project Name: Gallery Plaza Isabela

Project ID: PR-CRP-000981

2009 Aerial Image

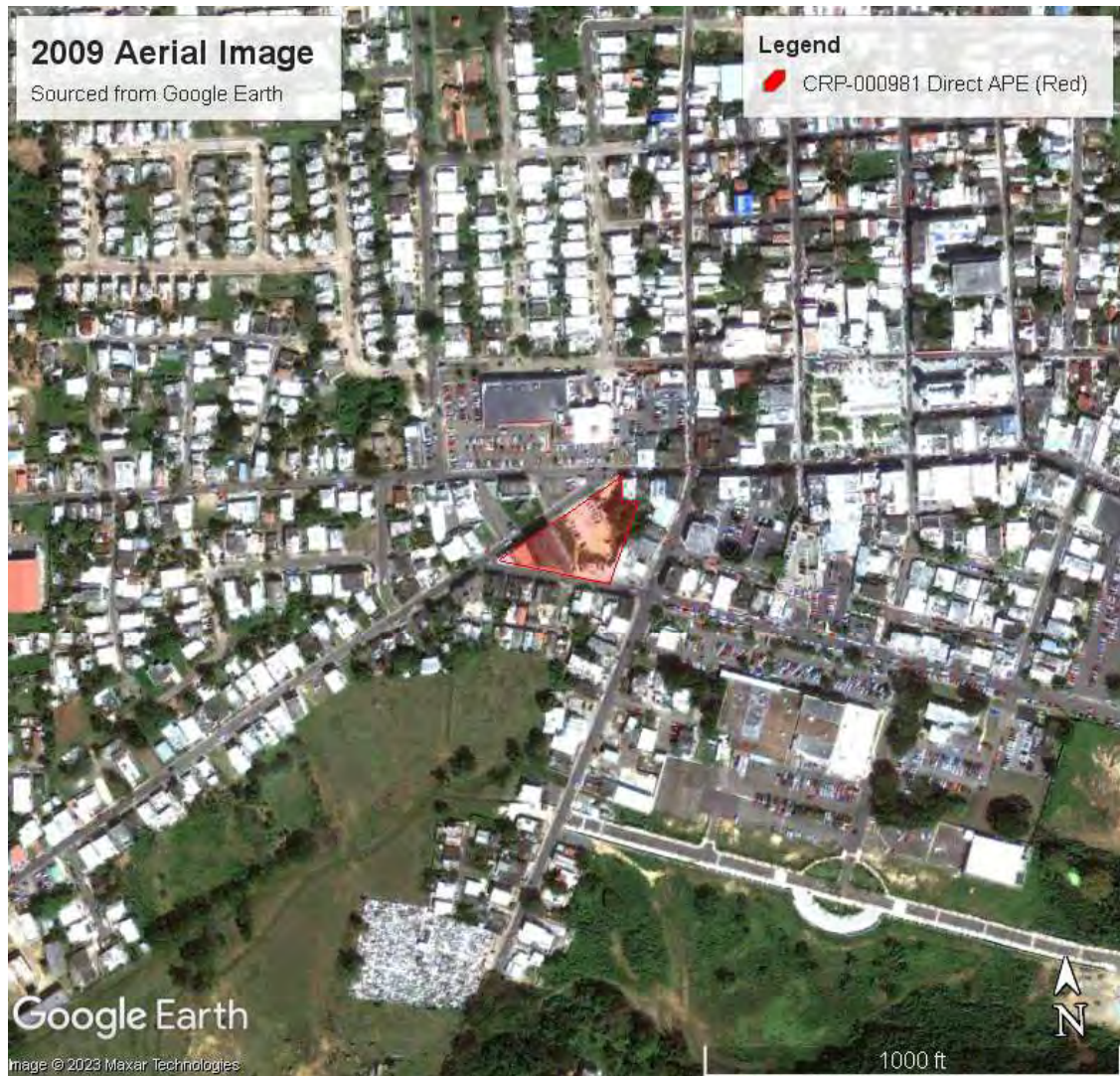


Figure 16

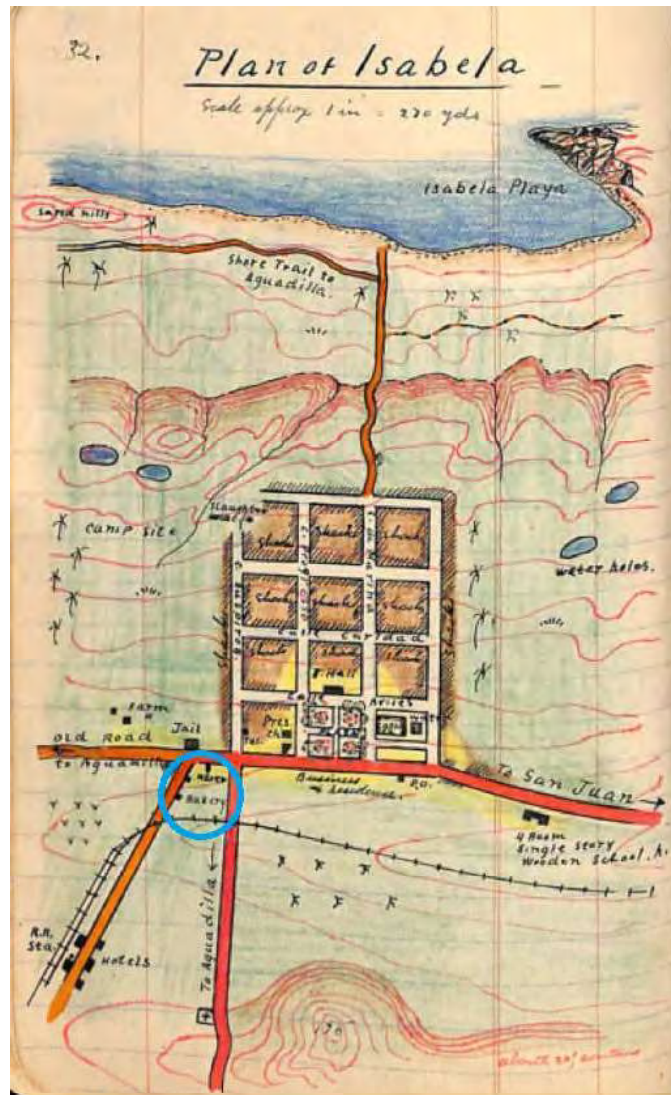
Description: The image above showcases the projects Direct APE over the 2009 aerial image sourced from Google Earth.

Subrecipient: Municipality of Isabela

Project Name: Gallery Plaza Isabela

Project ID: PR-CRP-000981

Plan of Isabela 1904



CRP-PR-000981 Approximate Location

Figure 17

Description: "Plan of Isabela," illustrated town map from Armstrong's notebooks. Image sourced from: <https://doi.org/10.18737/M7D38>

Subrecipient: Municipality of Isabela

Project Name: Gallery Plaza Isabela

Project ID: PR-CRP-000981

Photograph Key

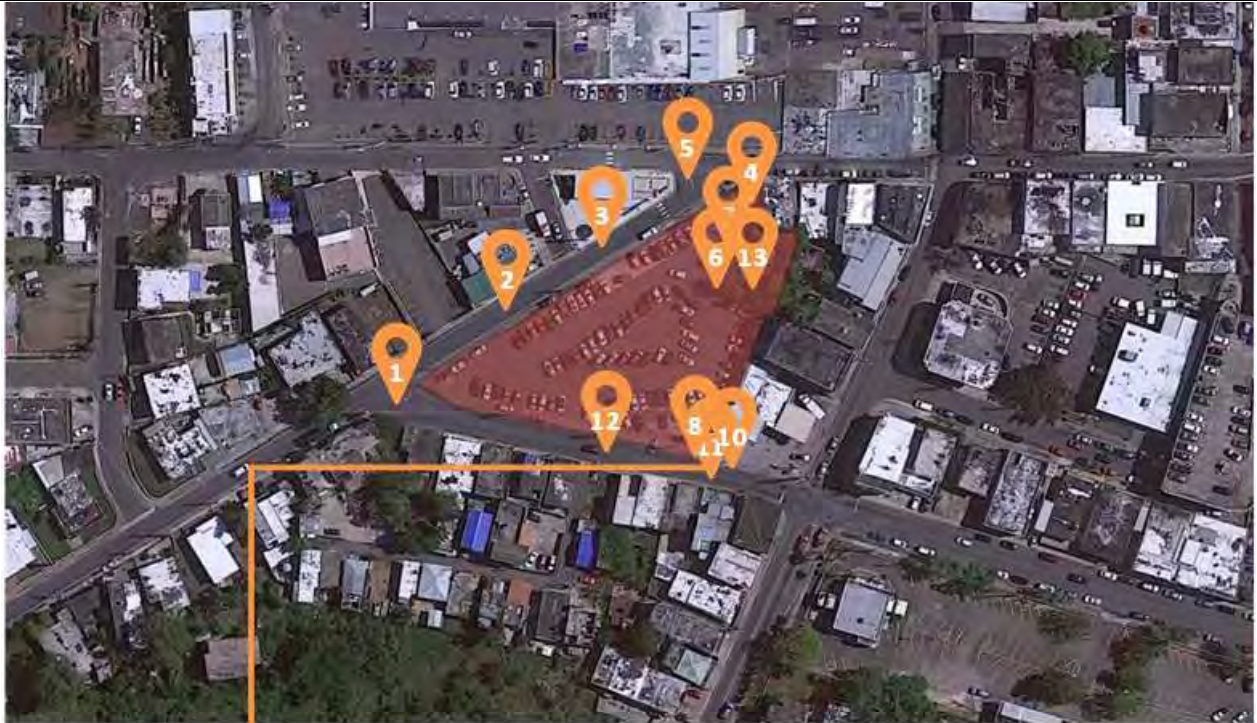


Figure 18



PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination		
Subrecipient: Municipality of Isabela		
Project Name: Gallery Plaza Isabela		Project ID: PR-CRP-000981

	
Photo #: 1	Description (include direction): View at the intersection between Highway PR-472 (west) and C. Juan Gonzalez Street (south).
Date: 10/18/2023	
	
Photo #: 2	Description (include direction): View from Highway PR-472 (west).
Date: 10/18/2023	

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination		
Subrecipient: Municipality of Isabela		
Project Name: Gallery Plaza Isabela		Project ID: PR-CRP-000981

		 Oct 18, 2023 at 9:17:01 AM PR-472 Isabela Puerto Rico 00662 United States
Photo #: 3	Description (include direction): View from Highway PR-472 (west).	
Date: 10/18/23		
		 Oct 18, 2023 at 9:17:42 AM PR-472 Isabela Puerto Rico 00662 United States
Photo #: 4	Description (include direction): View from Highway PR-472 (west) within the site.	
Date: 10/18/23		

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination		
Subrecipient: Municipality of Isabela		
Project Name: Gallery Plaza Isabela		Project ID: PR-CRP-000981

		 Oct 18, 2023 at 9:17:56 AM 4 PR-459 Isabela Puerto Rico 00662 United States
Photo #: 5	Description (include direction): View from Highway PR-472 (west).	
Date: 10/18/23		
		 Oct 18, 2023 at 9:18:36 AM PR-472 Isabela Puerto Rico 00662 United States
Photo #: 6	Description (include direction): View from Highway PR-472 (west) within the site and view towards the east.	
Date: 10/18/23		

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination		
Subrecipient: Municipality of Isabela		
Project Name: Gallery Plaza Isabela		Project ID: PR-CRP-000981

		 Oct 18, 2023 at 9:18:42 AM PR-472 Isabela Puerto Rico 00662 United States
Photo #: 7	Description (include direction): View from Highway PR-472 (west) within the site and view towards the PR-472.	
Date: 10/18/23		
		 Oct 18, 2023 at 9:19:40 AM 1-13 PR-4472 Isabela Puerto Rico 00662 United States
Photo #: 8	Description (include direction): View from C. Juan Gonzalez Street. (West)	
Date: 10/18/23		

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination		
Subrecipient: Municipality of Isabela		
Project Name: Gallery Plaza Isabela		Project ID: PR-CRP-000981

	
Photo #: 9	Description (include direction): View from C. Juan Gonzalez Street to site. (North)
Date: 10/18/23	
	
Photo #: 10	Description (include direction): View from C. Juan Gonzalez Street to site. (North)
Date: 10/18/23	

Subrecipient: Municipality of Isabela

Project Name: Gallery Plaza Isabela

Project ID: PR-CRP-000981



Photo #: 11

Description (include direction): View from C. Juan Gonzalez Street to site. (Northeast)

Date: 10/18/23



Photo #: 12

Description (include direction): View from C. Juan Gonzalez Street to site. (Northwest)

Date: 10/18/23

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination		
Subrecipient: Municipality of Isabela		
Project Name: Gallery Plaza Isabela		Project ID: PR-CRP-000981

	
Photo #: 13	Description (include direction): Site view towards PR-472 (South)
Date: 10/18/23	

PR-CRP-000981

**Gallery Plaza Isabela Project
Isabela, Puerto Rico**

100% Design Drawings

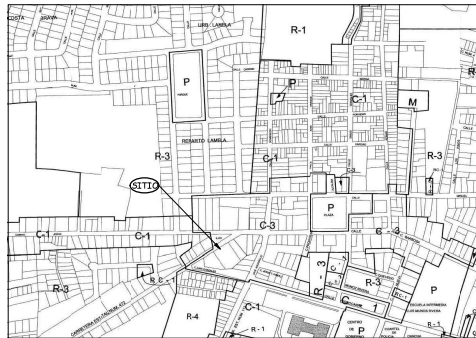
PLANO PARA LA CONSTRUCCIÓN ISABELA GALLERY PLAZA

Carr PR. 472 Interseccion Calle Juan Gonzalez
Bo. Pueblo, Isabela.



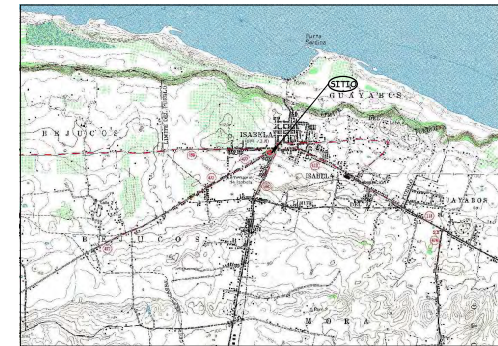
MAPA JUNTA PLANIFICACION

FOTO AEREA JP



MAPA CALIFICACION

ESCALA 1:2,000



PLANO DE LOCALIZACION

COORDENADAS LAMBERT NAD 83 X=137,451.7378 Y=273,911.5271 ESCALA 1:20,000

INDICE

1	T-1	TITULO
2	SI-1	SITE PLAN AS BUILT
3	SI-2	DEMOLICION SITE
4	SI-3	SITE PLAN PROPUESTO
5	SI-4	PERFILES EXISTENTES & PROPUESTOS
6	SI-5	GEOMETRIA (SITE)
7	SI-6	PLANO DE NIVELES (SITE)
8	SI-7	DETALLES DE CONSTRUCCIÓN (SITE)
9	SI-8	ROTULACION & MARCADO DE PAVIMENTO
10	SI-9	SIEMBRA
11	SI-10	"BLOW-UP" PLAZA
12	SI-11	"BLOW-UP" ESTACIONAMIENTO
13	SI-12	DETALLES DE JARDINERAS & ESTACIONAMIENTO
14	A-1	PERGOLAS & ELEVACIONES
15	A-2	DETALLES DE PISO & BANCOS
16	A-3	ARQUITECTONICA DE BAÑOS

17	A-4	SECCIONES DE BAÑOS
18	ES-1	NOTAS ESTRUCTURALES
19	ES-2	CIMENTOS
20	ES-4	ESTRUCTURAL
21	D-1	DESAGUES
22	PL-1	SITE ACUEDUCTOS
23	PL-1	DETALLES PLOMERIA
24	PL-3	SITE POTABLE
25	PL-3	DISTRIBUCION PLOMERIA
26	PL-3	DETALLES DE PLOMERIA
27	PL-3	SITE SANITARIO
28	DC-1	DETALLES SANITARIOS
29	EL-1	SITE ELECTRICO
30	EL-2	DIAGRAMA & NOTAS GENERALES
31	EL-3	DISTRIBUCION ELECTRICA

DISEÑADO POR:
ING. JOSE D. CENTENO
PO BOX 4448
AGUADILLA, PR. 00605
TEL. (787) 891-8256

CATASTRO - 003-096-053-02

AREA DE USO PUBLICO

DUEÑO; MUNICIPIO DE ISABELA
PO. BOX 507
ISABELA, PR. 00662

FECHA; 11 Oct 2023

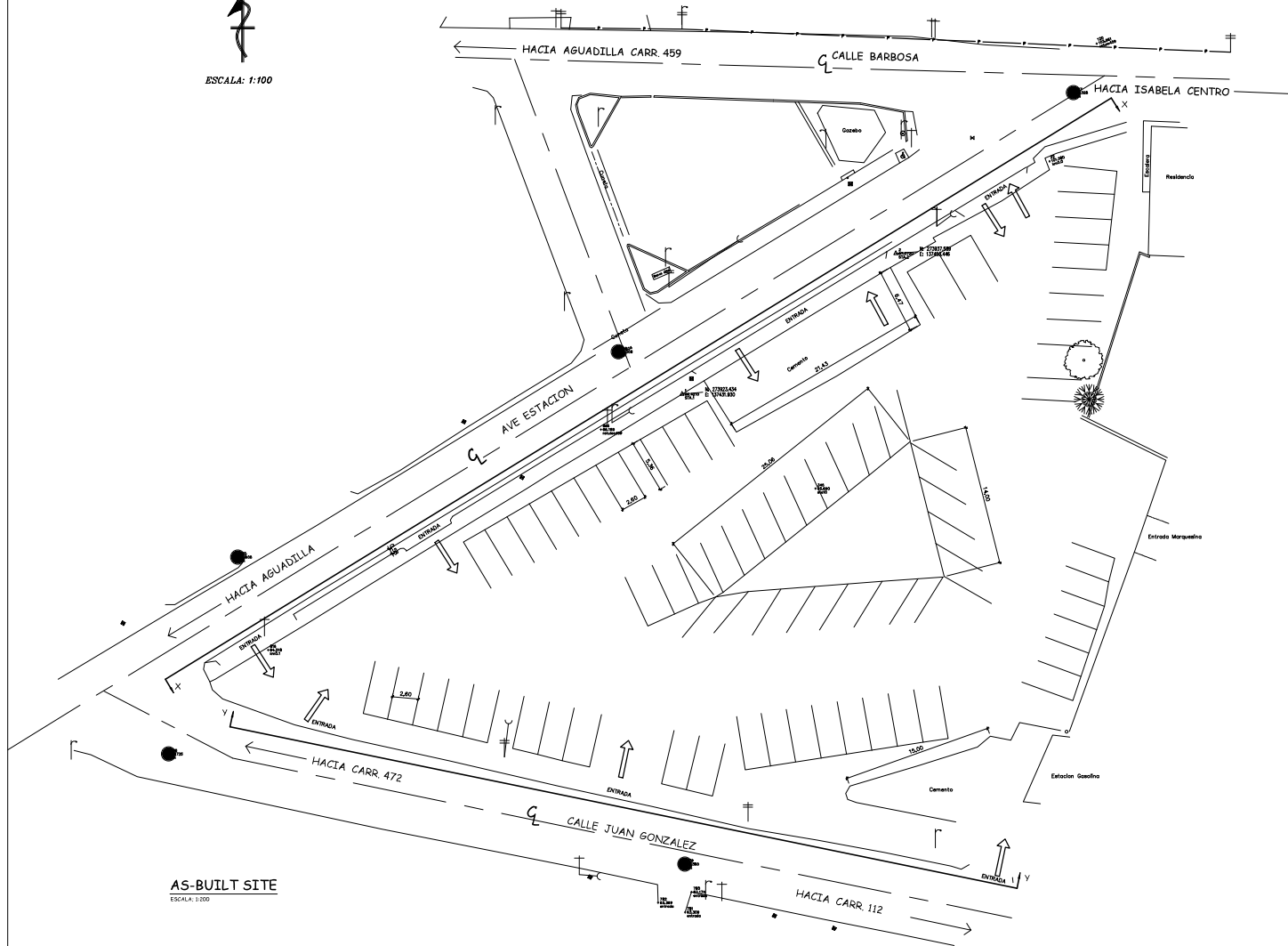
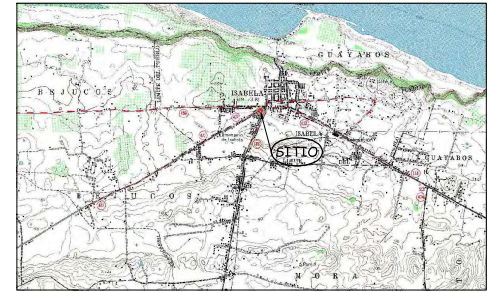


PR-CRP-000981

Ingenieros del Oeste C.S.P.

Calle José de Diego #65, Aguadilla
PO BOX 4448 Aguadilla, P.R. 00605
Tel/Fax: 787 891-8256
ingenierosdeloestecsp@gmail.com

Yo, José D. Centeno Calero, Ingeniero Civil, Lic. #20236, CERTIFICO QUE SOY EL PROFESIONAL QUE CONFECCIONÉ Y/O DISEÑÉ Y/O PREPARÉ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTENDIENDO QUE DICHO PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APPLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APPLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCION. RECONOZCO QUE CUALQUIER DECLARACION FALSA O FALSIFICACION DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MI, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCION JUDICIAL O DISCIPLINARIA POR LA OGPE.



ESCALA: 1:200

Nombre de la Empresa: AS-BUILT SITE		Cód. Neg: SI-1	
Fecha: 11 Oct 2023		Folio: 2	
Hora: 11:00		Folio: 31	
Lugar: DEBUIJADO POR:		Lugar: DEBUIJADO POR:	

Gallery Plaza

Ave. Estación Elia Juan González
B. Pueblo, ISABELA, PR

Proyecto del Ingeniero: A. S. S. S. S.



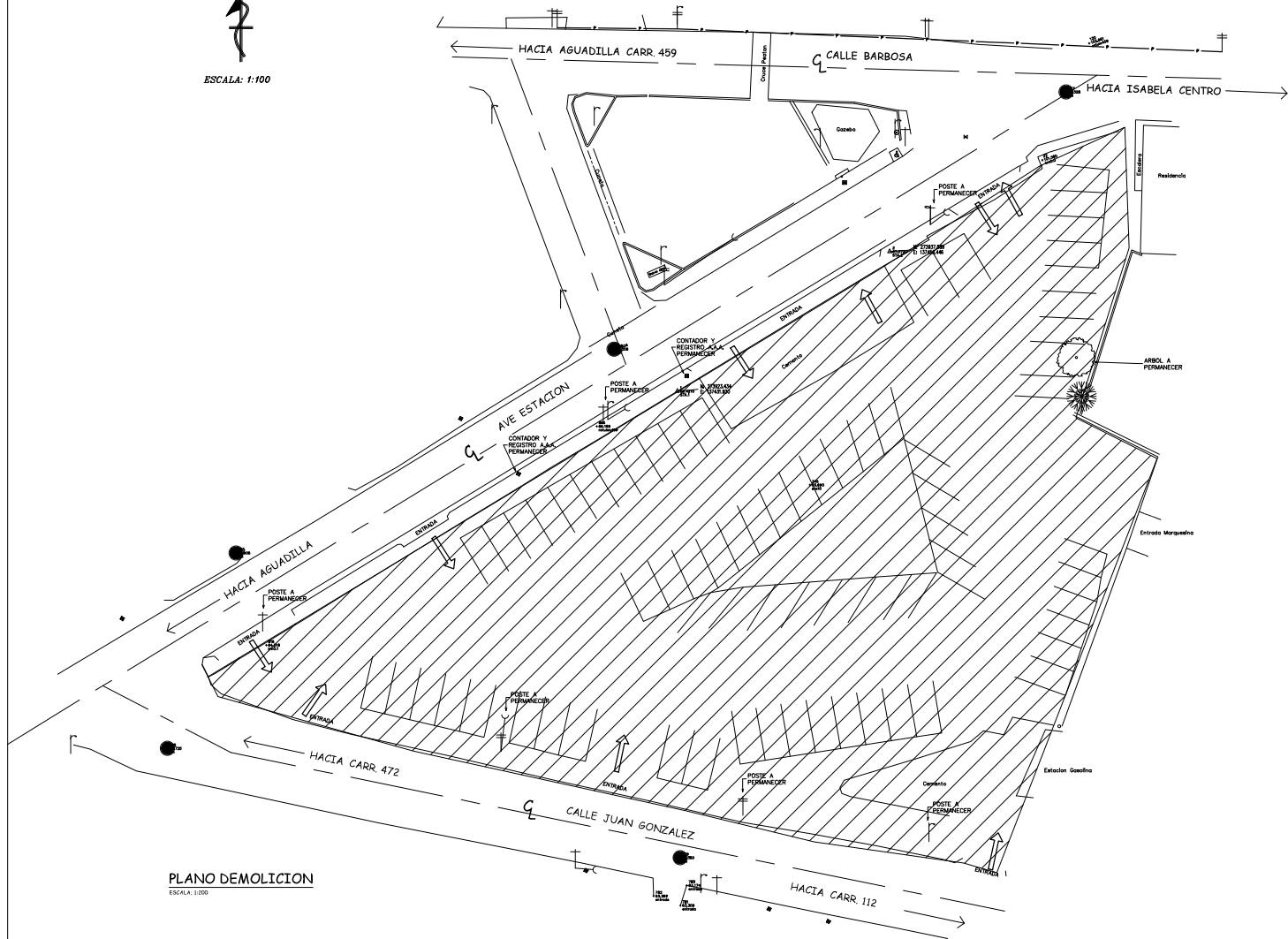
JOSE CENIZO CALERO
INGENIERO CIVIL
P.R. 00000

Ing. JOSÉ D. CENIZO CALERO
LIC. 20206
PO BOX 4448
AGUADILLA, PR. 00605

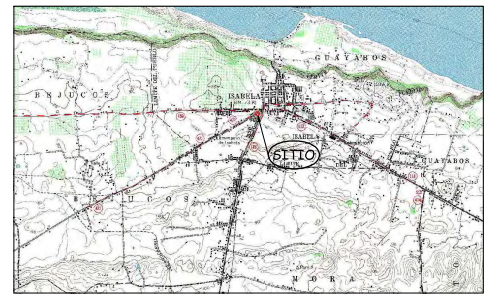
TEL: 787-891-8256

Instituto de la P. y S. de Puerto Rico

YO, JOSE D. CORTES CALVO, INGENIERO CIVIL LIC. #20206, CERTIFICO QUE SOY EL PROFESIONAL QUE CONFECCIONO Y/O DISEÑO Y/O PREPARO ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIEN CERTIFICO QUE LOS DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES ARCAICAS DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES VIGENTES DE LOS REGLAMENTOS Y CARGOS DE CONSTRUCCION VIGENTES DE LAS AGENCIAS, JUNTAS REGULADORAS O COMPARACIONES PUBLICAS CON JURISDICCION. RECONOZCO QUE CUALQUIER DECLARACION FALSA O FALSIFICACION DE LOS HECHOS QUE SE HAYA PRECISADO POR DESCONOCIMIENTO O POR NEGLIGENCIA VA SEA POR MI, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCION JUDICIAL O DISCIPLINARIA POR LA S.C.P.E.



PLANO DEMOLICION
ESCALA: 1:100



LEYENDA

- AREA A DEMOLER
- POSTE HORMON
- POSTE HORMON CON TRANSFORMADOR
- POSTE MADERA CON TRANSFORMADOR Y LUMINARIA
- POSTE DE MADERA CON LUMINARIA
- POSTE DE MADERA
- POSTE HORMON CON LUMINARIA
- TENSOR
- PEDISTAL ELECTRICO
- REGISTRO SANITARIO
- CONTADOR A.A.A.
- VALVULA A.A.A.
- MANHOLE

Ing. JOSÉ D. CENTENO CALERO
CALLE AGUADILLA
PO BOX 448
AGUADILLA, PR 00605
TEL. 787-691-8256

Gallery Plaza
Carr. PR 459
Bo. Pueblo, ISABELA, PR

PROYECTO	ST-2
FECHA	11 Oct 2023
ESCALA	1:200
HOJA	31
DESENHADO POR	

PR-CRP-000981

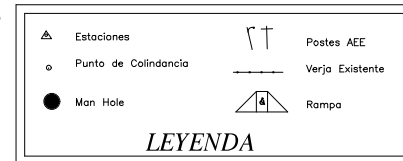
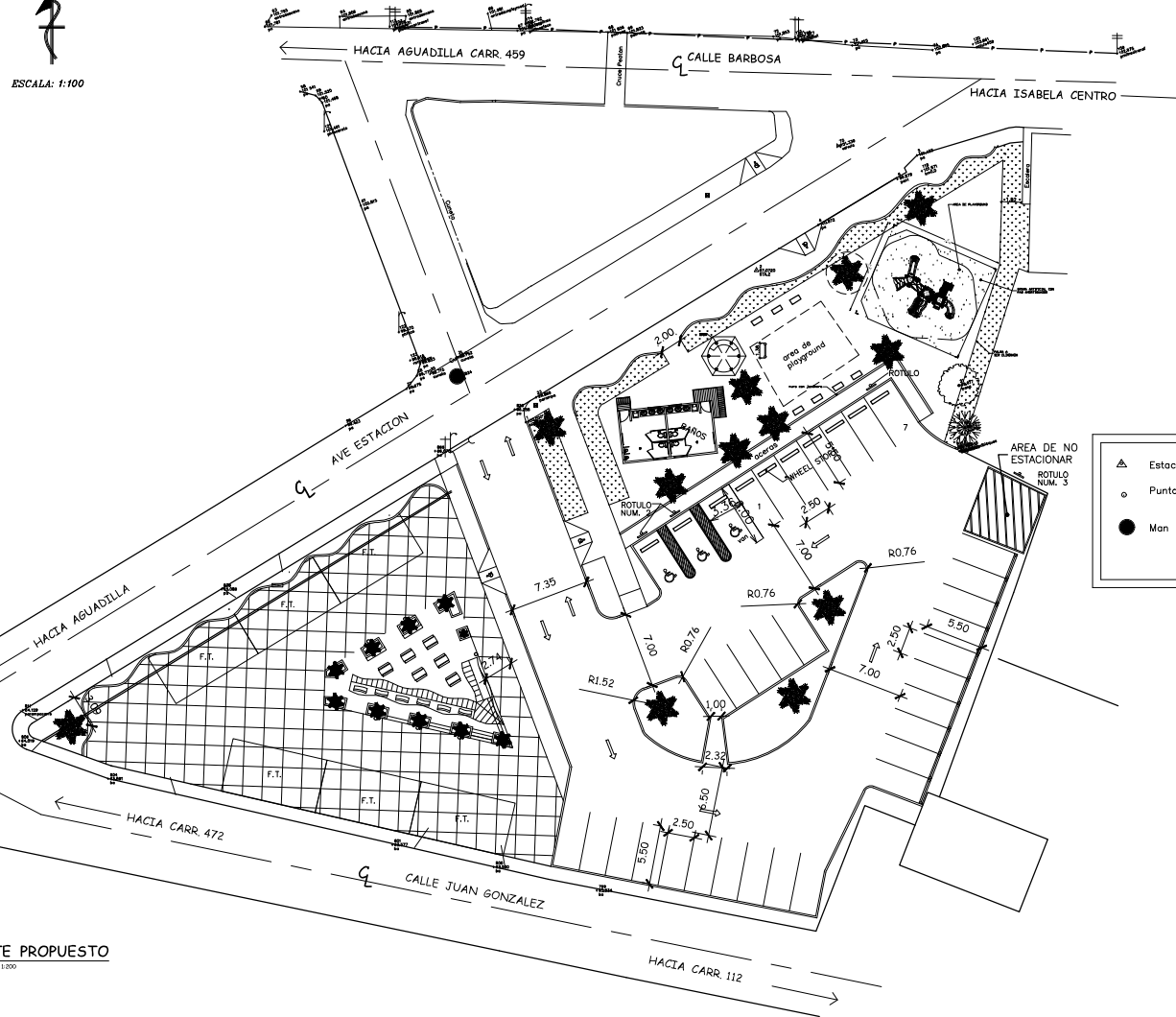
YO, JOSÉ D. CENTENO CALERO, INGENIERO CIVIL LIC. 10000, CERTIFICO QUE DPT. EL PRESENTADO PLAN DE DEMOLICION, INCLUYENDO LOS DATOS DE LAS EXISTENCIAS, LAS MEDIDAS Y LAS NOTAS, SON VERDADEROS Y CORRECTOS. RECONOZCO QUE CUALQUIER REGULACION, FALSA O FALSIIFICACION DE LOS DATOS, QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA, VA SEA POR MI, ME AGENTE O EMPLEADO, O POR OTRO PERSONA CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCION JUDICIAL O DISCIPLINARIA POR LA COTE.

SITE PROPUESTO

AREA PARA ESTACIONAR "FOOD TRUCKS" Y CONSTRUCCION DE
BAÑOS CON AREA DE ESTACIONAMIENTOS,
Radicado en la Ave Estacion esq. Juan Gonzalez,
Bo. PUEBLO, ISABELA, PR



ESCALA: 1:100



SITE PROPUESTO
ESCALA: 1:200

NOTA:
TODAS LAS ACERAS EN EL PERIMETRO Y
EN EL INTERIOR SERAN NUEVAS.

Ing. JOSÉ D. CENTENO CALERO
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P.O. BOX 448
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TEL. 787-691-8256

JOSÉ D. CENTENO CALERO
INGENIERO
LICENCIADO
C.R.C. #20204
PUERTO RICO

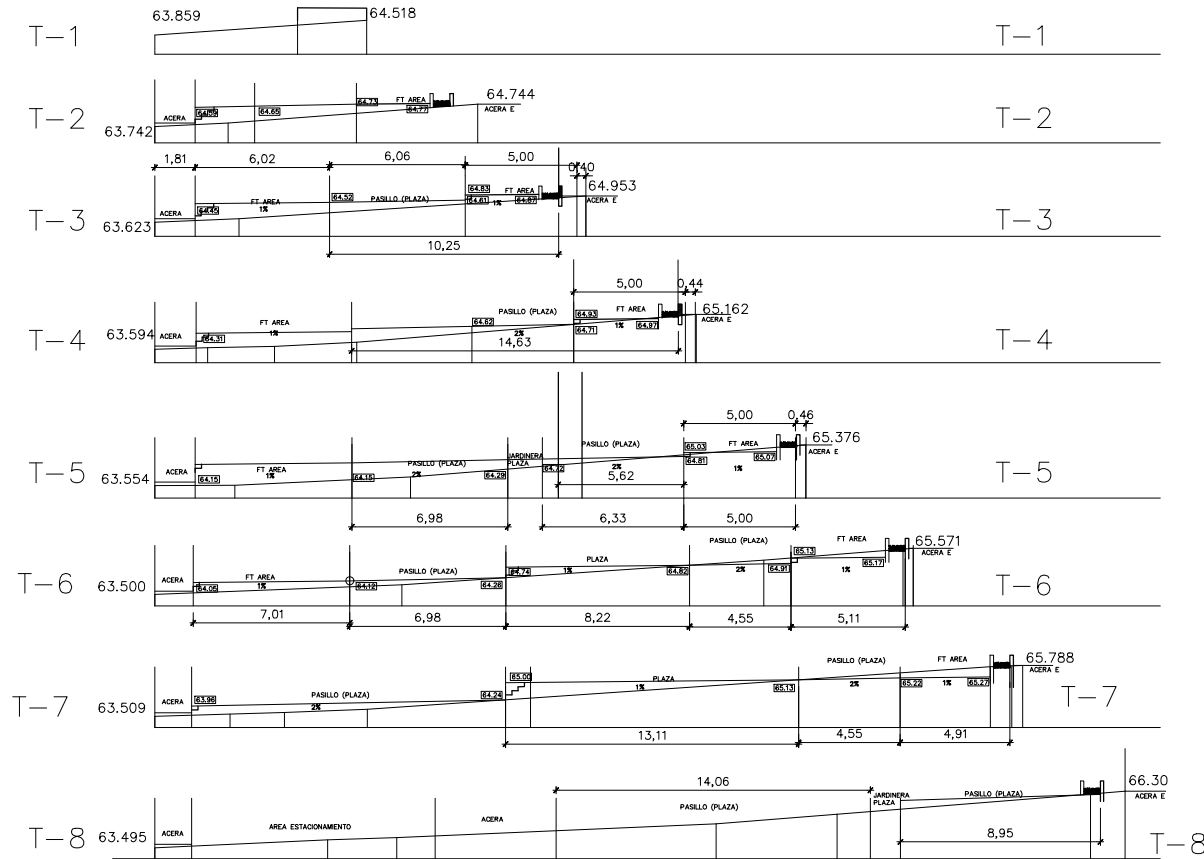
Gallery Plaza
Carr. PR 459
Bo. Pueblo, ISABELA, PR

Nombre del Proyecto: SITE PROPUESTO	Fecha: 11 Oct 2023	Escala: 1:200	Hoja: 31
DISEÑADO POR:			VERIFICADO POR:

PR-CRP-000981



ESCALA: 1:100



PERFILES EXISTENTES VS PROPUESTO
ESCALA: 1:100

NOTA:
VER EN PAGINA #7

NOTA:
TODAS LAS ACERAS EN EL PERIMETRO Y
EN EL INTERIOR SERAN NUEVAS.

Ing. JOSÉ D. CENTENO CALERO
CALLE CALERO
PO BOX 1448
AGUADILLA, PR 00605
TEL: 787-891-8256

Gallery Plaza
Carr: PR-459
Bo. Pueblo, ISABELA, PR

ST-4
5
31

11 Oct 2023
1:100

DEBUCADO POR

PR-CRP-000981



9C28-168-18/ 731



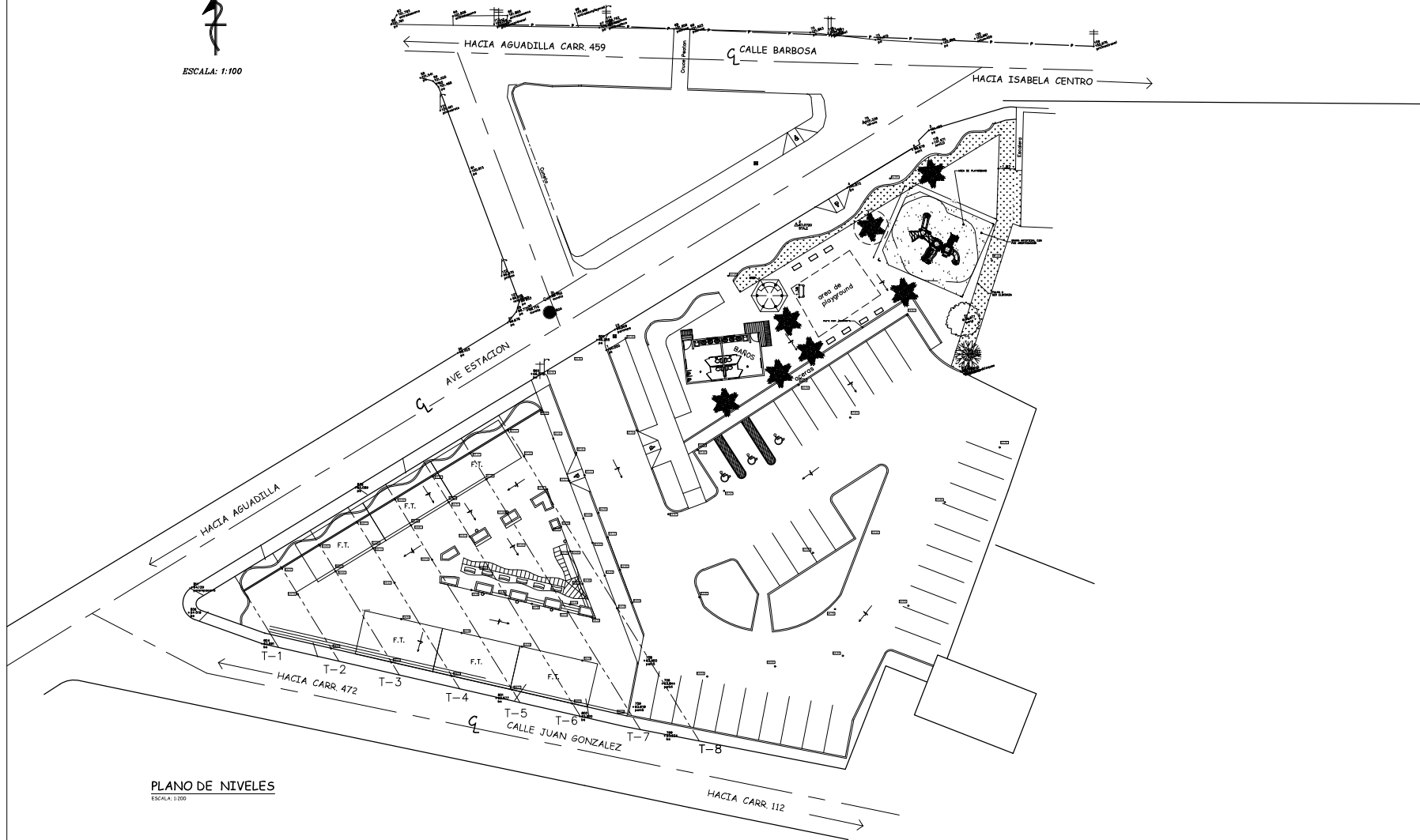
	DIBUJADO POR:
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PR-CRP-000981



PLANO DE NIVELES
ESCALA: 1:200



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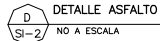
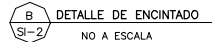
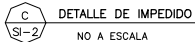
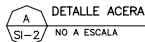
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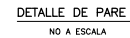
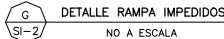
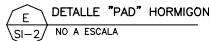
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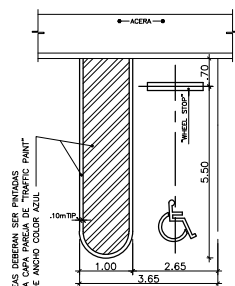
PR-CRP-000981



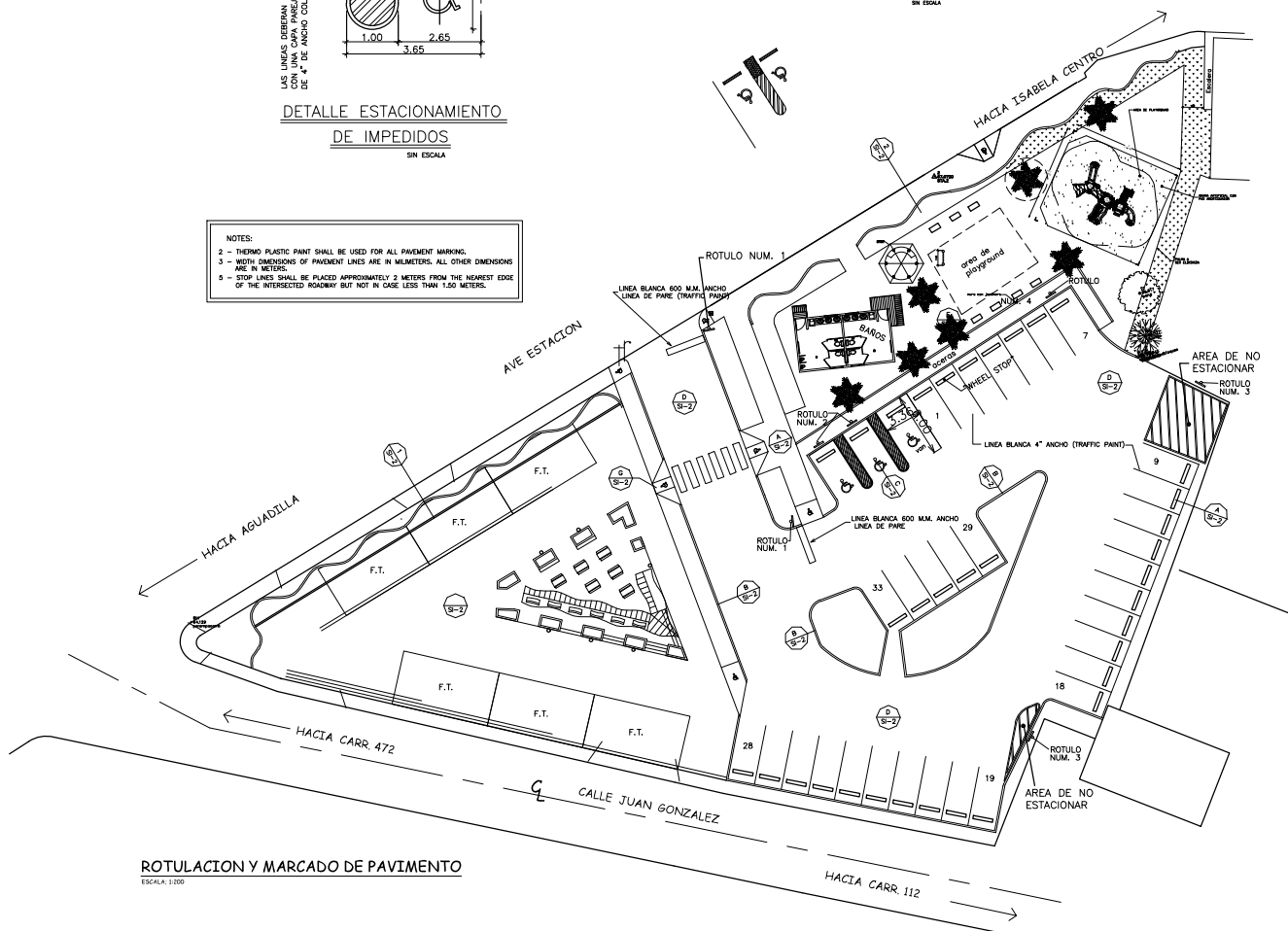
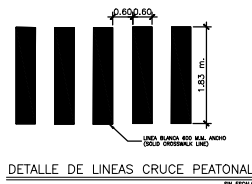
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LIC. 20206
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TEL. 787-891-8256



JOSE D. CERVINO CALERO, INGENIERO CIVIL, C. 102008, CERTIFICADO QUE EL PROFESIONAL QUE CONFIRMO Y/O DISEÑO Y/O INDIESTO ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS, TAMBIEN CERTIFICO QUE LOS DISEÑOS Y/O ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APPLICABLES DEL REGLAMENTO CONJUNTO Y CEGOS DE CONSTRUCCION VIGENTES DE LAS ENTIDADES, UNIDADES REGULADORAS O CORPORACIONES PUBLICAS CON JURISDICCION, RECONOZCO QUE CUALQUIER DECLARACION FALSA O FALSIFICACION DE LOS REGISTROS QUE SE HAYA REALIZADO POR DESCORRIMIENTO O POR



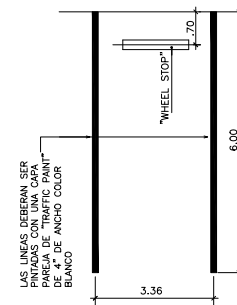
DETALLE ESTACIONAMIENTO
DE IMPEDIDOS
SIN ESCALA



ROTULACION Y MARCADO DE PAVIMENTO

- NOTAS IMPORTANTES:

1. MARCADO DE ESTACIONAMIENTOS REGULARES SERAN LINEAS PINTADAS CON PINTURA BLANCA (TRAFFIC PAINT), PROVEA 2 CAPAS DE 4" DE ANCHO.
2. MARCADO DE ESTACIONAMIENTOS PARA IMPEDIDOS SERAN LINEAS PINTADAS CON PINTURA AZUL (TRAFFIC PAINT), PROVEA 2 CAPAS DE 4" DE ANCHO.
3. PROVEA "WHEEL STOP" EN HORMIGON PREFABRICADO PINTADOS DE AMARILLO CON "TRAFFIC PAINT" PARA ESTACIONAMIENTO REGULAR Y PARA ESTACIONAMIENTO DE IMPEDIDO PINTADO EN AZUL CON "TRAFFIC PAINT".
4. MARCADO DE AREA DE NO ESTACIONAR SERAN LINEAS PINTADAS CON PINTURA AMARILLA (TRAFFIC PAINT). PROVEA 2 CAPAS DE 4" DE ANCHO.
5. MARCADO DE CRUCE PEATONAL SERAN LINEAS PINTADAS CON PINTURA BLANCA (TRAFFIC PAINT). PROVEA 2 CAPAS DE 2 PIES DE ANCHO.
6. RAMPAS PARA IMPEDIDOS PINTADAS CON PINTURA AZUL (TRAFFIC PAINT)
7. PARA DETALLES DE ESTRUCTURA DE PAVIMENTO VEA HOJA 8/10

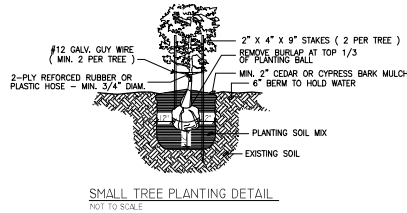
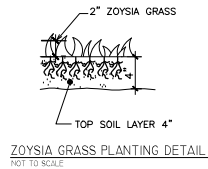
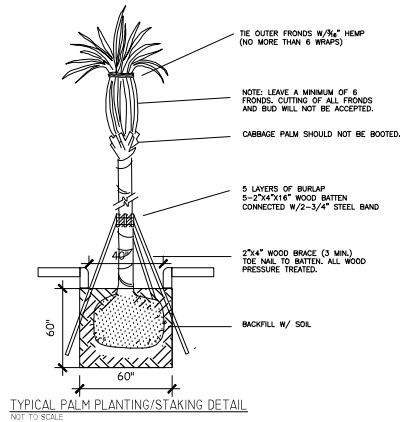


DETALLE ESTACIONAMIENTO
PARA VANS
SIN ESCALA

Nombre de la Tapa RESUMEN DE LOS EFECTOS DE LA INFLUENCIA DEL TIEMPO EN EL CLIMA		Año y Tipo 51-8	
Fecha 11 Oct 2023		Hora 9:31	
Hora 1:00		Lugar DEBILIZADO POR	

JOSE D. CENTENO CALDERO, INGENIERO CIVIL, LICENCIADO, CERTIFICADO QUE EL PROFESIONAL QUE CONFIRMO YO DEBERA VISAR ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIEN CERTIFICO QUE LOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y CÓDIGO DE CONSTRUCCION VIGENTES DE LAS ENTIDADES, UNIDADES REGULATORIAS O CORPORACIONES PUBLICAS CON JURISDICCION. RECONOZCO QUE CUALQUIER RECLAMACION PALA O FALSIFICACION DE LOS HECHOS QUE SE HA MANEJADO POR DESCONOCIMIENTO O POR

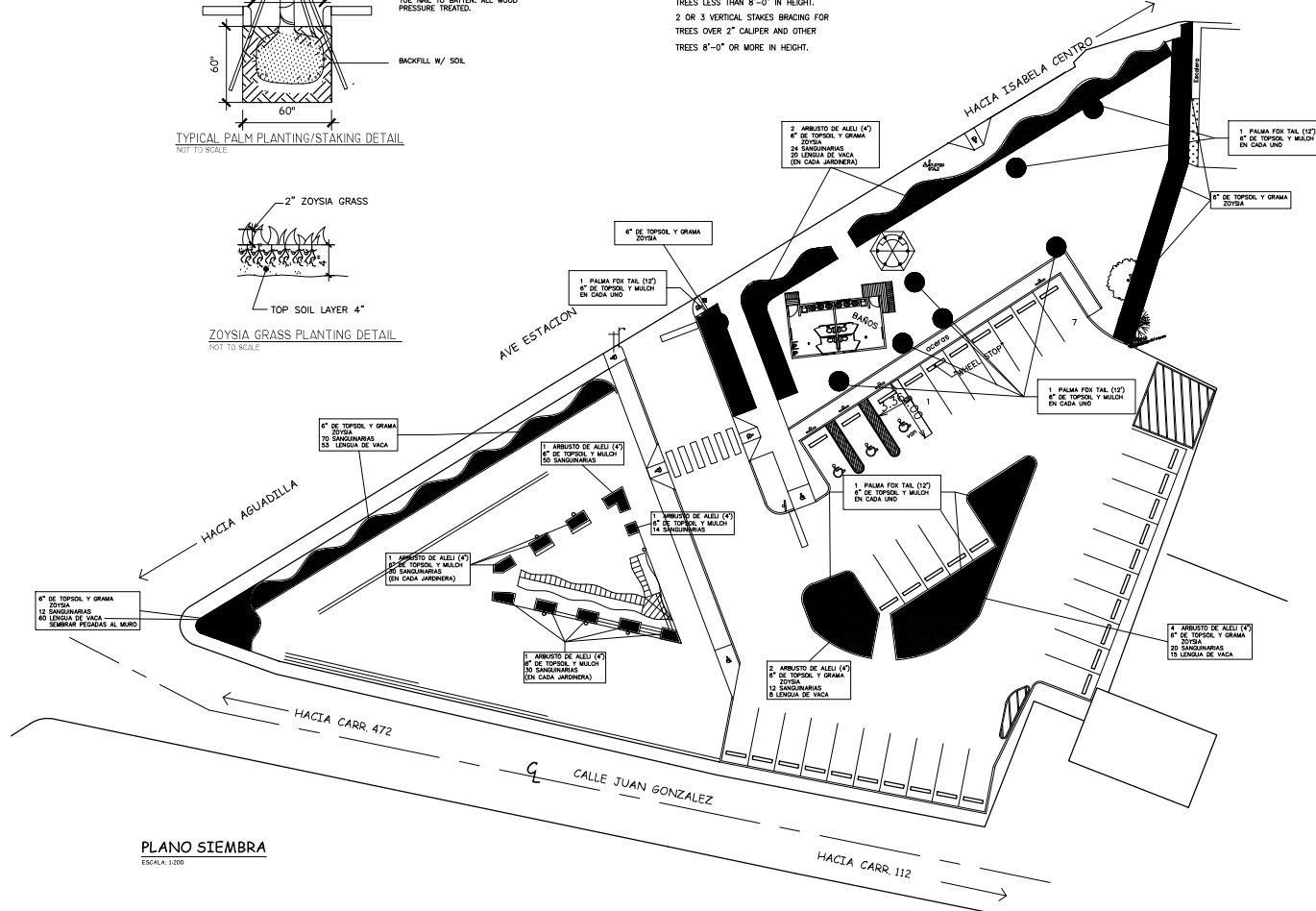
PR-CRP-000981



NOTE:
USE SINGLE VERTICAL STAKE BRACING FOR
TREES 2" CALIPER OR LESS AND OTHER
TREES LESS THAN 8'-0" IN HEIGHT.
2 OR 3 VERTICAL STAKES BRACING FOR
TREES OVER 2" CALIPER AND OTHER
TREES 8'-0" OR MORE IN HEIGHT.

GENERAL NOTES:

1. ALL AREAS SHALL BE PLANTED WITH "ZOYSIA GRASS" GROUND COVER UNLESS OTHERWISE NOTICE.
2. WHEREVER SOIL HAS BEEN REMOVED, "ZOYSIA GRASS" GROUND COVER SHALL BE PLANTED UNLESS OTHERWISE NOTICE. QUANTITY MEASURE ON SITE.
3. WHEREVER PLANTING OCCURS, PLANTING SOIL MIX MUST BE USED.
4. AFTER PLANTING ALL AREAS SHALL BE WATERED.
5. PALMS AND TREES MAY LOOSE SOME LEAVES DURING ADAPTATION PERIOD. 3 MONTHS AFTER PLANTING BUT THEY RECOVER. IF THEY DON'T, THE LANDSCAPE CONTRACTOR MUST REPLACE THE PLANTS WITHOUT ANY ADDITIONAL COST.
6. LANDSCAPE CONTRACTOR SHALL CLEAN ALL AREAS OF SOIL AND GARBAGE.
7. ALL TREES SHALL BE 4'-0" MIN. HEIGHT UNLESS OTHERWISE NOTICE.
8. PALMS SHALL BE 12'-0" MIN. HEIGHT UNLESS OTHERWISE NOTICE.
9. IF LANDSCAPE MATERIAL CAN NOT BE FOUND AS SPECIFIED, ANY CHANGE SHALL BE SUBMITTED FOR THE ARCHITECT AND OR LANDSCAPE DESIGNER APPROVAL.



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AGUADILLA, PR 00605
TEL: 787-691-8256

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P.O. BOX 448
AGUADILLA, PR 00605

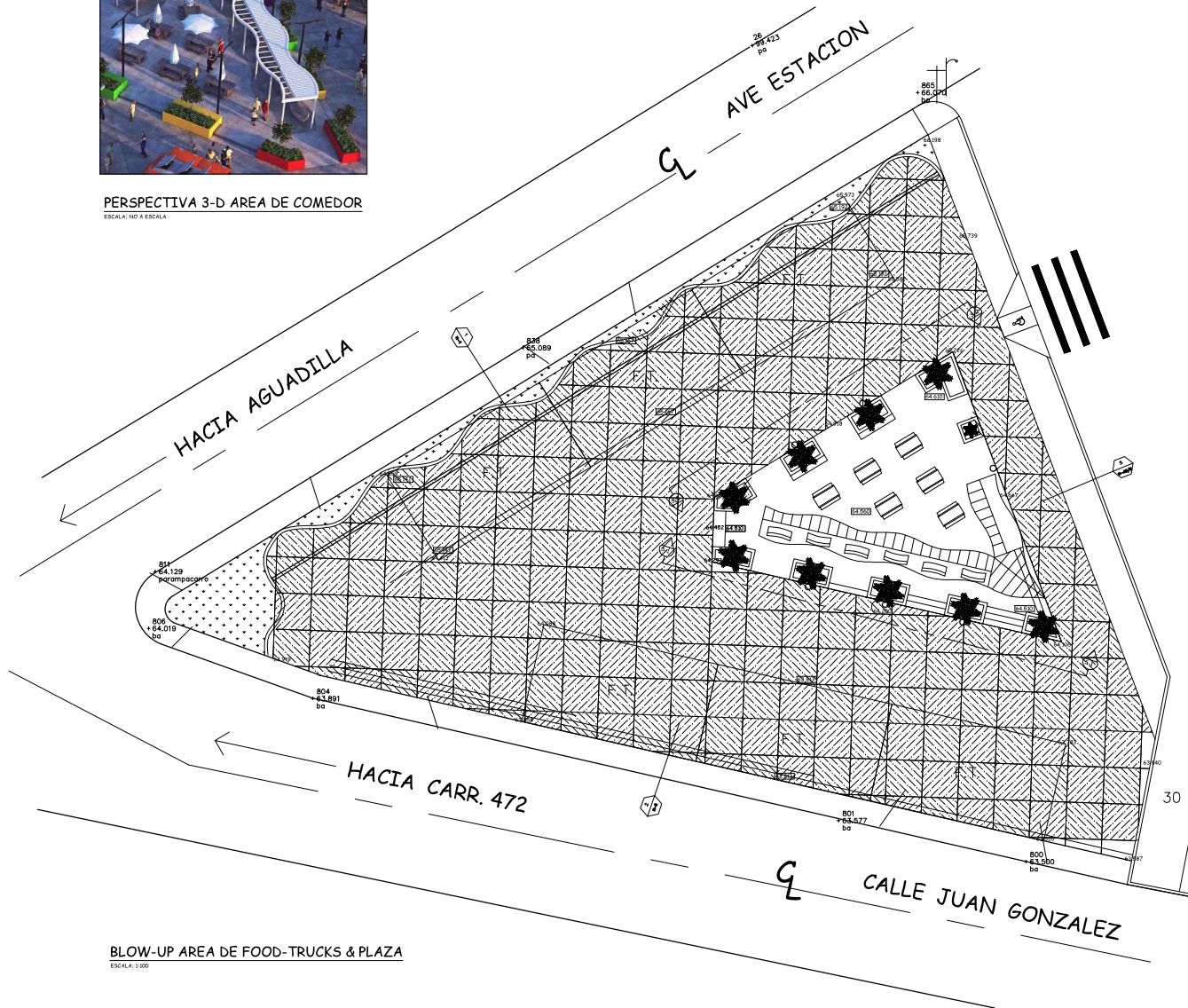
Gallery Plaza
Carr. PR-459
Bo. Pueblo, ISABELA, PR

FECHA DE TRABAJO	SIEMBRA	FECHA DE TRABAJO	ST-9
FECHA	11 Oct 2023	FECHA	10
ESCALA	1:200	ESCALA	31
FECHA DE TRABAJO	SIEMBRA	FECHA DE TRABAJO	ST-9
FECHA	11 Oct 2023	FECHA	10
ESCALA	1:200	ESCALA	31
FECHA DE TRABAJO	SIEMBRA	FECHA DE TRABAJO	ST-9
FECHA	11 Oct 2023	FECHA	10
ESCALA	1:200	ESCALA	31

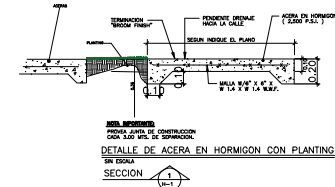
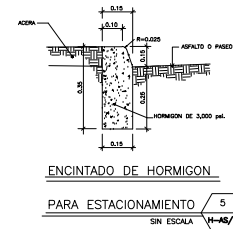
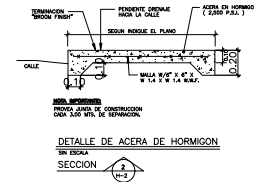
PR-CRP-000981



PERSPECTIVA 3-D AREA DE COMEDOR
ESCALA: NO A ESCALA



BLOW-UP AREA DE FOOD-TRUCKS & PLAZA
ESCALA: 1:500



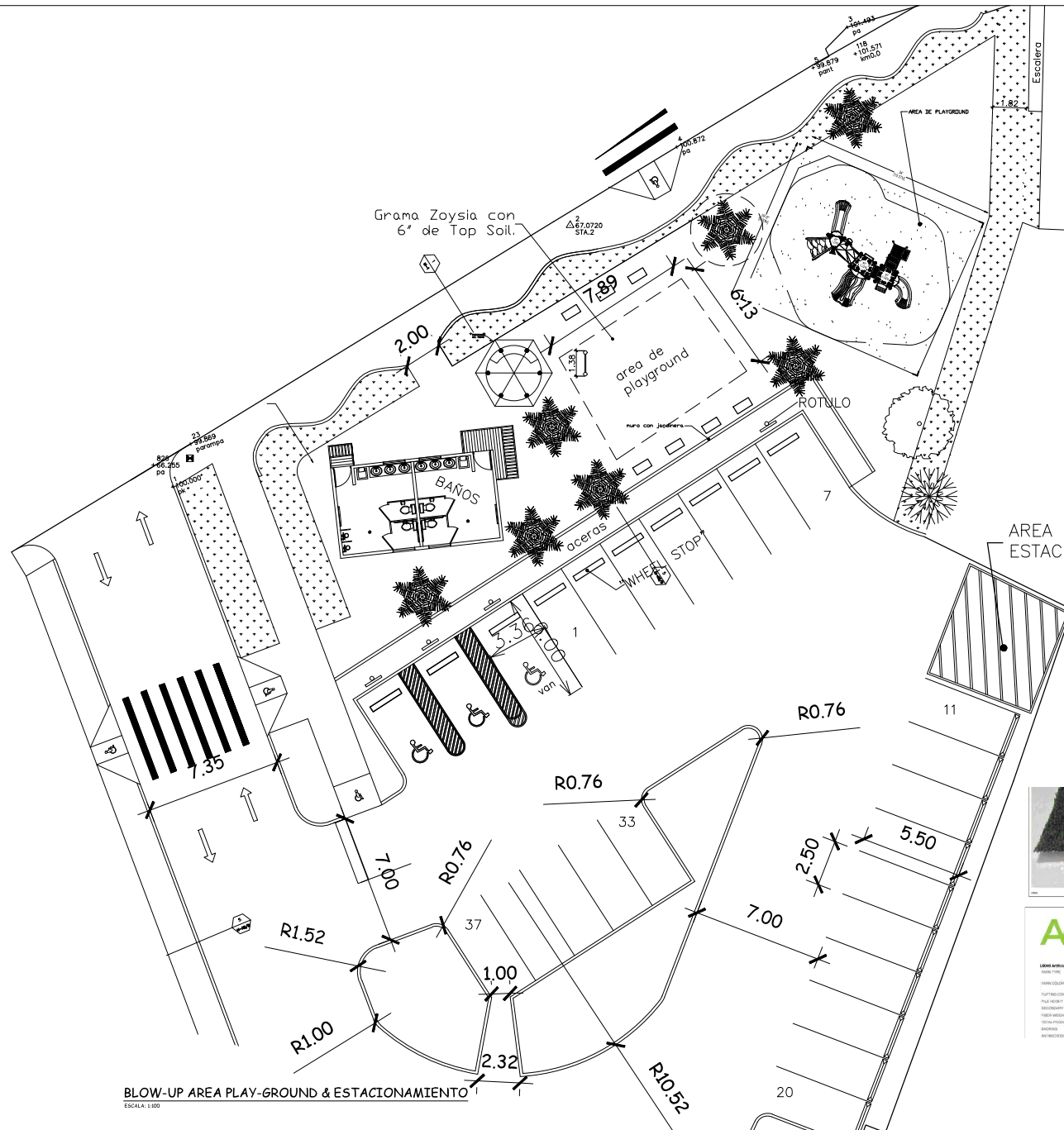
Ing. JOSÉ D. CENTENO CALERO
LICENCIADO EN INGENIERIA CIVIL
P.O. BOX 4448
AGUADILLA, PR 00605
TEL. 787-691-8256

JOSE D. CENTENO CALERO
INGENIERO CIVIL
P.O. BOX 4448
AGUADILLA, PR 00605

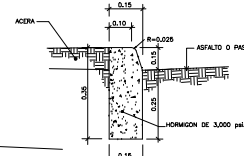
Gallery Plaza
Ave. Estacion Esp. Juan Gonzalez
Bo. Pueblo, ISABELA, PR

ST-10
11 Oct 2023
1:00
31

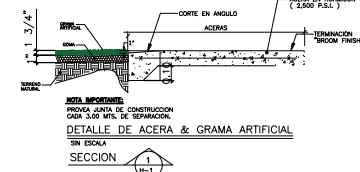
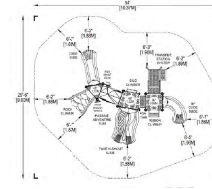
DEBUTADO POR



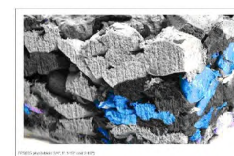
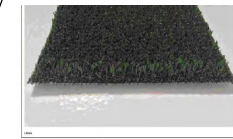
BLOW-UP AREA PLAY-GROUND & ESTACIONAMIENTO
ESCALA: 1:500



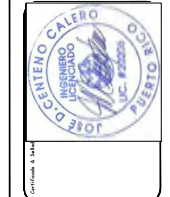
ENCINTADO DE HORMIGON
PARA ESTACIONAMIENTO
SIN ESCALA **H-A5/5**



NOTA IMPORTANTE
PRIMA JUNTA DE CONSTRUCCION
CADA 3.00 MTS. DE SEPARACION.
DETALLE DE ACERA & GRAMA ARTIFICIAL
SIN ESCALA
SECCION



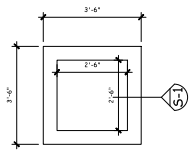
Ing. JOSÉ D. CENTENO CALERO
CALLE 101
PO BOX 4448
AGUADILLA, PR 00605
TEL: 787-691-8256



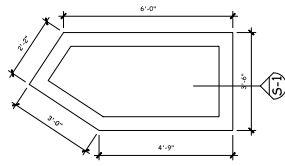
Gallery Plaza
Ave. Ericson Esq. Juan González
Bo. Pueblo, ISABELA, PR

ST-11	12	31
BLOW-UP KIOSCOS	11 Oct 2023	1:00
DEBUTADO POR		

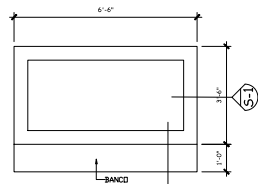
PR-CRP-000981



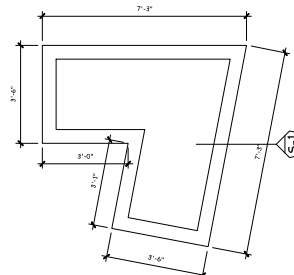
J-1



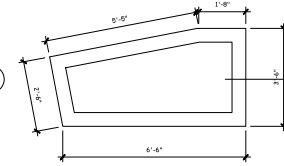
J-2



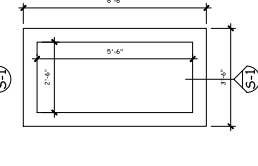
J-3



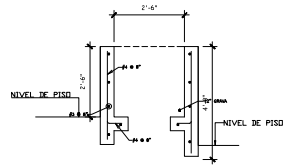
J-4



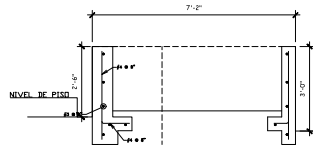
J-5



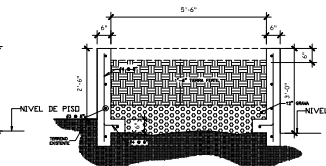
J-6



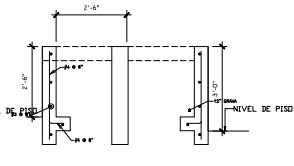
Seccion: S-1



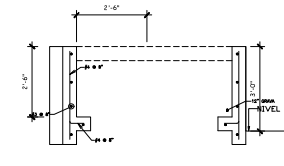
Seccion: S-1



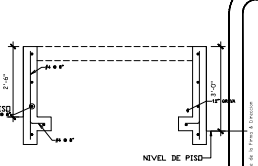
Seccion: S-1



Seccion: S-1



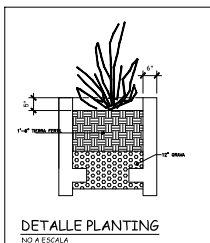
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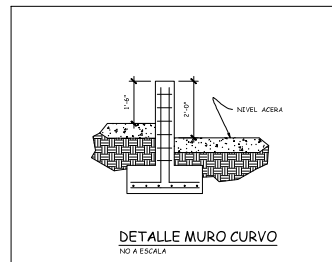
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JARDINERAS

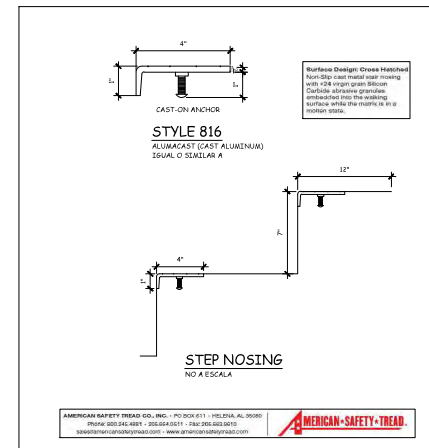
ESCALA: 1/2"=1'-0"



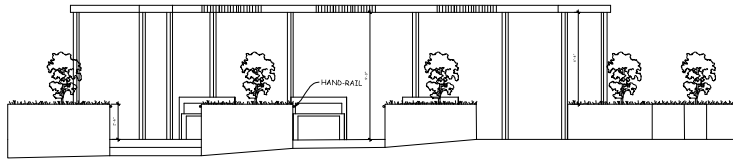
DETALLE PLANTING
NO A ESCALA



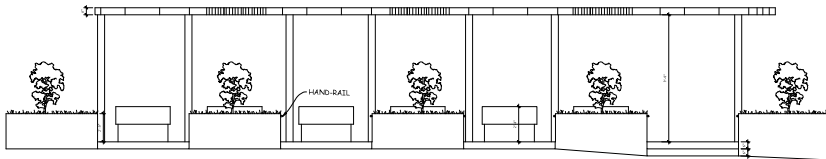
DETALLE MURO CURVO
NO A ESCALA



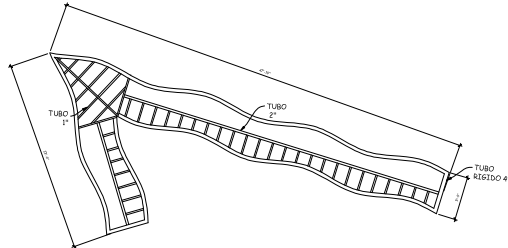
Ing. JOSÉ D. CENTENO CALERO LIC. 20206 AGUADILLA, PR. 00605 TEL. 787-891-8256	
Gallery Plaza Carr. PR-159 Bo. Pueblo, ISABELA, PR.	
DETALLES DE JARDINERAS 11 Oct 2023	31 1/2" = 1'-0"
3V CREAMADO POR	3V CREAMADO POR



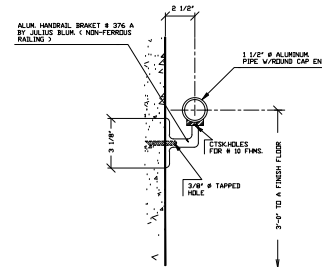
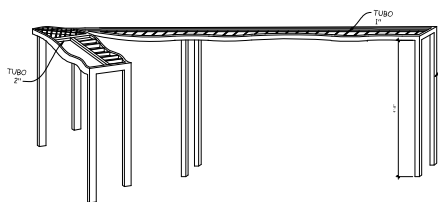
SECCION S-2 (PERGOLAS)
ESCALA 1/4"=1'-0"



SECCION S-1 (PERGOLAS)
ESCALA 1/4"=1'-0"

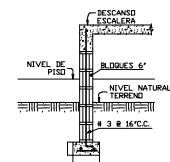
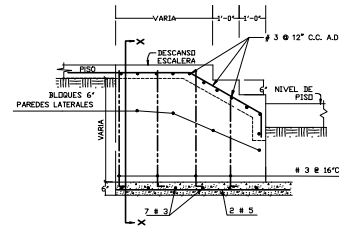


DETALLE PERGOLAS
ESCALA 1/4"=1'-0"



HANDRAIL DETAIL

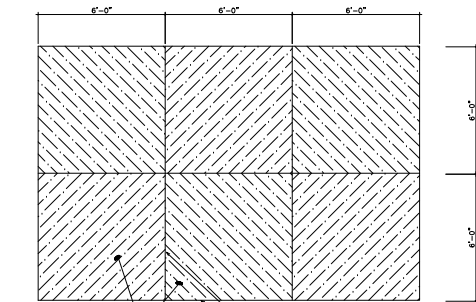
- NOTAS IMPORTANTES**
1. TODA EL MATERIAL DE TRAMITACION DEBEN SER 3/4\"
 2. EL ESPESOR DE LA LAMINA DE TRAMITACION DEBEN SER 1/4\"
 3. LAS LAMINAS DEBEN SER TRAMITACION DEBEN SER 1/4\"
 4. TODA EL MATERIAL DE TRAMITACION DEBEN SER 3/4\"



SECCION X - X

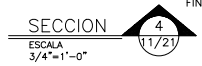
DETALLE ESCALERA
NO A ESCALA

Ing. JOSÉ D. CENTENO CALERO LIC. 20206 AGUADILLA, PR. 00605 TEL. 787-891-8256	
JOSE D. CENTENO CALERO INGENIERO AGUADILLA, PR. 00605	
Gallery Plaza Ave. Estacion Esq. Juan Gonzalez Bo. Pueblo, ISABELA, PR.	
SECCIONES PERGOLAS A-1 11 Oct 2023 1/4"=1'-0"	31 3V DETALLADO POR



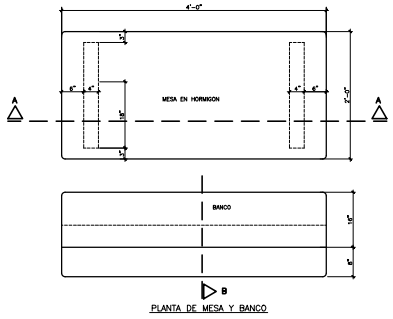
"BROOM FINISH" EN DIRECCIONES OPUESTAS

LOSAS DE HORMIGON CON JUNTAS DE VIOLIN Y "BROOM FINISH"

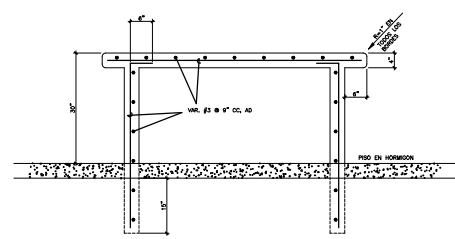


TERMINACION DE PISO EXTERIOR

ESCALA 3/4"=1'-0"



PLANTA DE MESA Y BANCO



SECCION A-A

DETALLES ESTRUCTURALES DE MESA

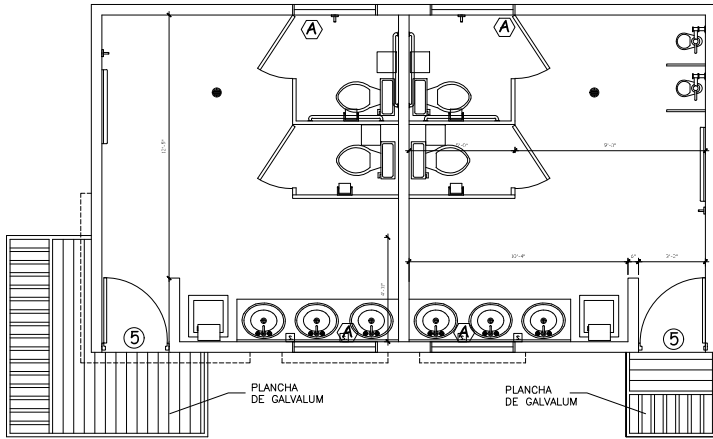
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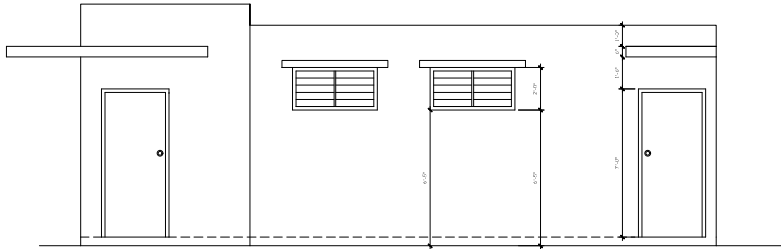
DETALLE DE BANCO
SIN ESCALA

BANCO PREFABRICADO EN HORMIGON
IGUAL O SIMILAR A:
MODELO MARGARITA 38"x18"x18"
HORMIGON: 5,000 psi
PESO: 250 lbs.
TERMINACION: PULIDO Y SELLADO
IGUAL O SIMILAR ALOS FABRICADOS POR
PUNTA BORINQUEN PRE-CAST
1346 AVE. FELIX ALDARONDO SANTIAGO
ISABELA, P.R.
TEL. (787) 830-3370
puntaborinquenprecast@gmail.com

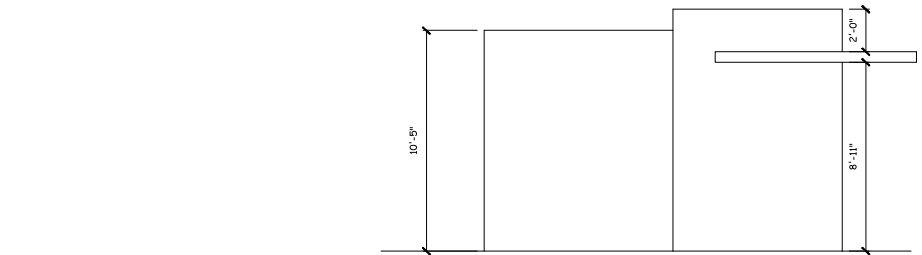
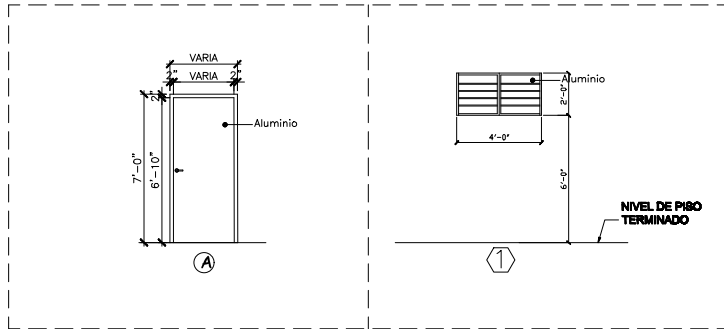
		Ing. José D. CENTENO CALERO LIC. 20206 PO BOX 4448 AGUADILLA, PR. 00605 TEL. 787-891-8256	
		Gallery Plaza Ave. Estacion Esq. Juan Gonzalez Bo. Pueblo, ISABELA, PR.	
PROYECTO: DETALLES PISO & BANCOS	FECHA: 11 Oct 2023	HOJA: 15	31
ESCALA: 1/4"=1'-0"		IV	
DESEÑADO POR:		IV	



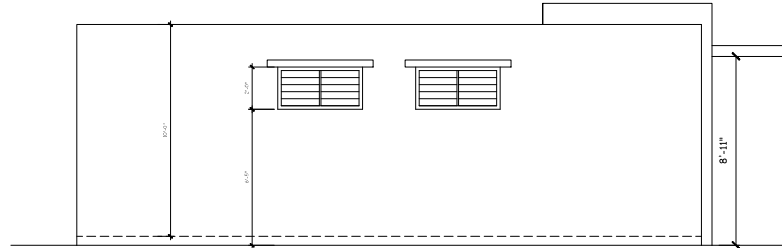
ARQUITECTONICA BAÑOS
ESCALA 1/8"=1'-0"



FACHADA PRINCIPAL DE BAÑOS
ESCALA 1/8"=1'-0"



FACHADA LATERAL IZQUIERDA
ESCALA 1/8"=1'-0"



FACHADA LATERAL DERECHA
ESCALA 1/8"=1'-0"

TABLA DE TERMINACIONES									
SIMB.	PISO		ZOCALO	PARED	TECHO	OBSERVACIONES			
1	TERRAZO 12"x12"	CERAMICA 12"x12"	TERRAZO 3"x12"	EMPAQUETADO	EMPAQUETADO	1- LOZA A INSTALAR SERA ESCOGIDA POR EL DUEÑO			
	TERRAZO GRANITO	CERAMICA ANTIREBALDIZA	CERAMICA	PINTADO	PINTADO				
		CEMENTO PULIDO	PINO	CERAMICA	ESTUCADO	2- COLOR DE LA PINTURA SERA ESCOGIDA POR EL DUEÑO			
				ESTUCADO	ESTUCADO				

VENTANAS					
MCO.	TIPO	MATERIAL	CANTIDAD TOTAL	TAMANO DE VENTANA ANCHO	ALTO
1	1	ALUMINIO (PULIDO)	4	4'-0"	2'-0"

PUERTAS				
MCO.	TIPO	CANT. TOTAL	TAMANO DE HUECO ANCHO	ALTO
1	A	4	3'-0"	7'-0"

Ing. JOSÉ D. CENTENO CALERO
LIC. 20206
PO BOX 4448
AGUADILLA, PR. 00605
TEL. 787-891-8256

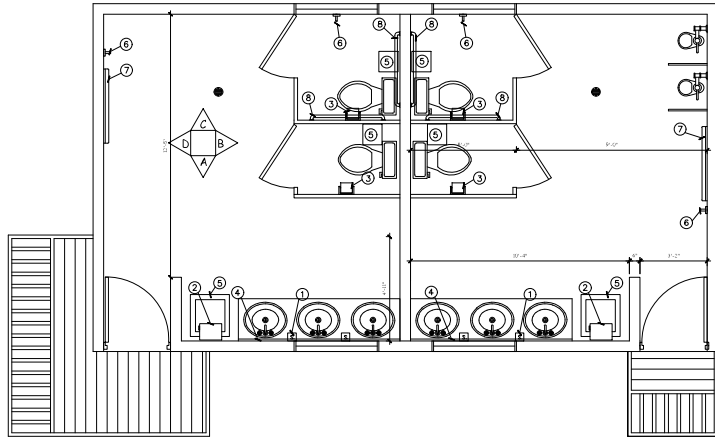
JOSE D. CENTENO CALERO
INGENIERO
AGUADILLA, PR. 00605

Gallery Plaza
Ave. Ericsson Esq. Juan González
Bo. Pueblo, ISABELA, PR.

ARQ & ELEVACIONES
11 Oct 2023
3/8"-1'-0"

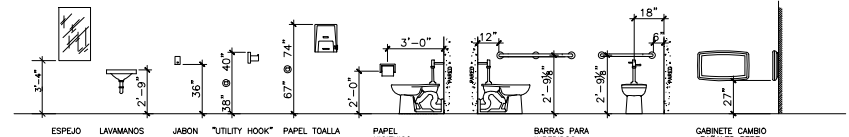
31
3/8"-1'-0"

3/8"-1'-0"

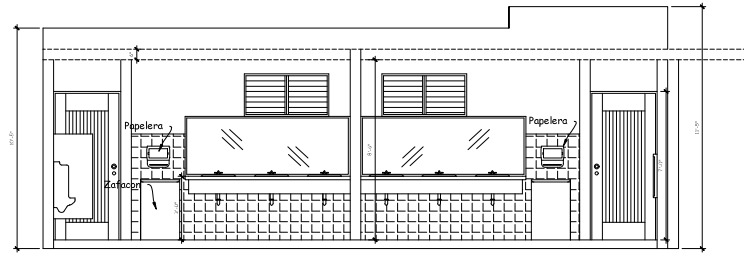


ARQUITECTONICA BAÑOS
ESCALA: 1/8"=1'-0"

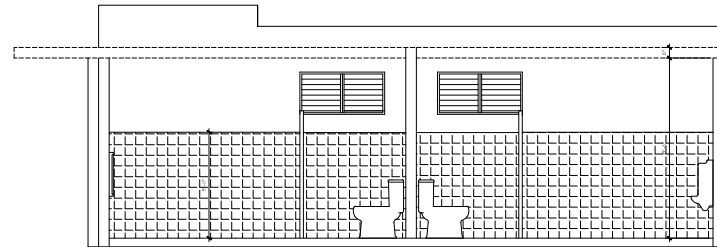
Equipos y Accesorios - Baño para Adulto					
ITEM	MAIRCA	MODELO	DIMENSIONES		
			W	D	H
Toilet (Equal to Eco Fusion SiphonicDual Flush Right Height Elongated Complete Toilet)	American Standard	338D-216	26.75	16.5	15
Lavamanos de Pared Baños (Equal to Lucerne Wall-Hung Lavatory)	American Standard	33K-041	20.5	18.25	
Mezcladora (Equal to Metering Faucet w/Extended Spout 0.5 GPM Non aerated Spray)	American Standard	334D-119			
Jaboneros (Equal to Soap Dispenser for Liquid and Action Soaps, and Detergents)	Bobrick	E-40	5	6	3
Papelera (Equal to Surface MountedRoll Paper Towel Dispenser)	Bobrick	B-2860	12	15	9
Zafacón Bafos (Equal to Pedal Bin in Chrome 3 litre Stainless Steel)	Croydex	QA10P300YW	10.63	10.63	
Toilet Tissue Dispenser Single with Controlled Delivery	Bobrick	B-271	6.5	4.875	1.5
Tilt Mirror (Equal to Tilt Mirror With Stainless Steel Frame)	Bobrick	B-291			
Hand Air Dryer (Equal to Trim Line Surface-Mounted ADA Dryer)	Bobrick	B-712	13	4	13
Shower Head & Mixer (Equal to Townsend Collection, only trim kit w/water-saving shower head and cartridge)	American Standard	TU313507-802			
Koala Baby Changing Station (Horizontal wall Mounted Station)	Koala	KB-200	35	3.75	18



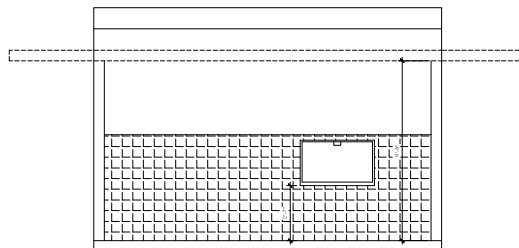
ELEVACIONES PARA INSTALACION TIPICA ACCESORIOS DE BAÑOS
SIN ESCALA



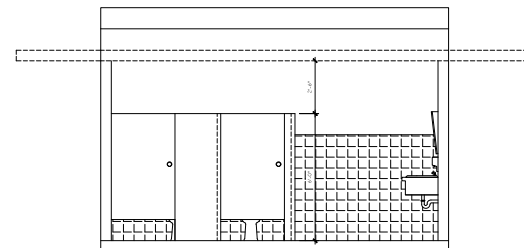
SECCION A
ESCALA: 3/8"=1'-0"



SECCION C
ESCALA: 3/8"=1'-0"



SECCION D
ESCALA: 3/8"=1'-0"



SECCION B
ESCALA: 3/8"=1'-0"

LEYENDA:

- ① DISPENSADOR DE JABON
- ② DISPENSADOR DE PAPEL TOALLA
- ③ DISPENSADOR DE PAPEL HIGIENICO
- ④ ESPEJO
- ⑤ SAFACON
- ⑥ "UTILITY HOOK"
- ⑦ BABY CHANGING-STATION
- ⑧ GRAB BARS 42"

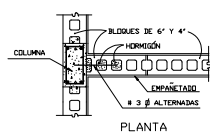
Ing. JOSÉ D. CENTENO CALERO
LIC. 20206
PO BOX 4448
AGUADILLA, PR. 00605
TEL. 787-891-8256



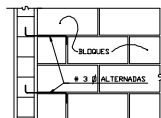
Gallery Plaza
Ave. Estación Esq. Juan González
Bo. Pueblo, ISABELA, PR.

SECCIONES DE BAÑOS
A-4
17
31
11 Oct 2023
3/8"=1'-0"
3V
DISEÑADO POR

PR-CRP-000981



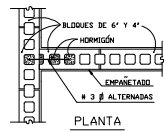
PLANTA



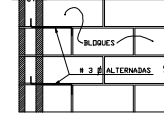
ELEVACIÓN

DET. INTERSECCIÓN ENTRE COLUMNA Y PARED DE BLOQUES

ESC. 3/4"=1'-0"



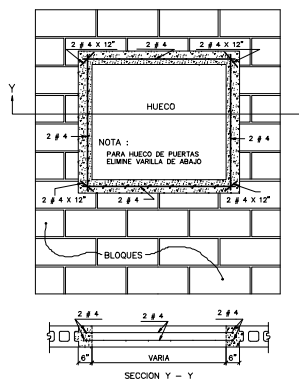
PLANTA



ELEVACIÓN

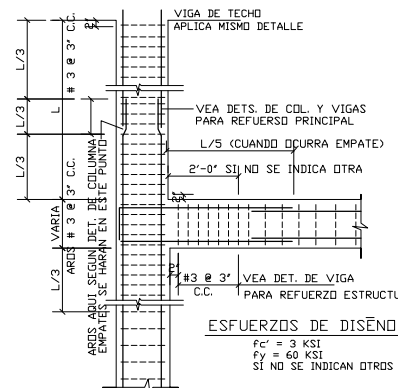
DET. INTERSECCIÓN ENTRE PAREDES DE BLOQUES

ESC. 3/4"=1'-0"



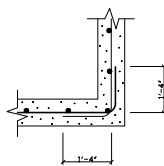
DET. REFUERZO EN HUECOS

NO A ESCALA

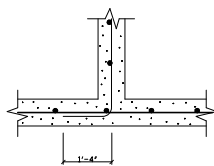


DETALLE DE CONFINAMIENTO APLICABLE A COLUMNAS Y VIGAS

NO A ESCALA

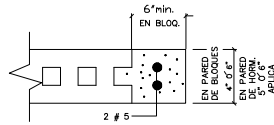


PLANTA



PLANTA

DET. TÍPICO, INTERSECCIONES DE PAREDES DE HORMIGÓN



DET. TÍPICO EN FINAL DE PAREDES

NOTAS GENERALES

A MENOS QUE SE INDIQUE LO CONTRARIO, LAS SIGUIENTES NOTAS APLICARÁN EN TODOS LOS PLANOS ESTRUCTURALES.

- 1) ANTES Y DURANTE LA CONSTRUCCIÓN EL CONTRATISTA DEBERÁ VERIFICAR LOS PLANOS ESTRUCTURALES, ARQUITECTÓNICOS, MECÁNICOS, ELÉCTRICOS Y TODOS LOS DEMÁS PLANOS RELACIONADOS PARA ASÍ PODER COORDINAR LAS DIMENSIONES, ABERTURAS, ANCLAJES, ETC.
- 2) DETALLES Y CONSTRUCCIÓN INCLUYENDO CURADO Y REMOCIÓN DE LA FORMALETA DEBERÁ CUMPLIR CON LOS REQUERIMIENTOS DE LA ÚLTIMA EDICIÓN DE LAS SIGUIENTES PUBLICACIONES:

- A) PARA ESTRUCTURAS DE HORMIGÓN
 - 1) MANUAL OF STANDARD PRACTICE FOR DETAIL OF CONCRETE STRUCTURES (ACI-315)
 - 2) BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI-318)
 - 3) SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDING (ACI-301)

- B) PARA ESTRUCTURAS DE ACERO
 - 1) AISC SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL BUILDING.

3) LOS CIMENTOS DEBERÁN SER COLOCADOS EN EL SUELO Y A LA PROFUNDIDAD INDICADA EN EL ESTUDIO DE SUELO DE ACUERDO A LA CAPACIDAD DE SUSTENTACIÓN DEL MISMO. INFORMACIÓN DEL SUB-SUELO, BORING LOGS Y RECOMENDACIONES SERÁN REQUERIDAS POR EL CONTRATISTA AL CONSULTAR DE SUELOS.

4) APUNTALAMIENTOS EN SOTANOS Y EN OTRAS PAREDES DE RETENCIÓN NO SERÁN REMOVIDOS HASTA QUE LAS LOSAS QUE LO SOPORTAN HAYAN SIDO FUNDIDAS Y EL HORMIGÓN HAYA ALCANZADO SUFICIENTE FUERTEZA.

5) EXCEPTO PARA CIMENTOS SOBRE PILOTES TODO TERRENO LIMITADO POR PLANOS DESDE EL FONDO DEL PERÍMETRO DEL CIMENTO CON UNA PENDIENTE DE 1 VERTICAL A 2 HORIZONTAL, SERÁ UN SUELO SIN PERTURBACIÓN.

6) CORTES ABIERTOS EN EL TERRENO SERÁN USADOS COMO FORMALETAS PARA CIMENTOS Y MURS DE RETENCIÓN SIEMPRE Y CUANDO LAS PAREDES SEAN ALIMENTADAS DE 3" PARA PROVEERLE LA CUBIERTA DE HORMIGÓN AL REFUERZO ADYACENTE AL SUELO.

7) EL ACERO DE REFUERZO DEBERÁ CUMPLIR CON UNA DE LAS SIGUIENTES ESPECIFICACIONES DEL ASTM (SOCIEDAD AMERICANA DE PRUEBAS DE MATERIALES).

VARIAS	A-105	WIRE MESH	ALAMBRE DE ACERO A-62	ACERO ESTRUCTURAL	A-36
CIMENTOS	3,000 P.S.I.	3,000 P.S.I.	3,000 P.S.I.	3,000 P.S.I.	3,000 P.S.I.
VIGAS	3,000 P.S.I.	3,000 P.S.I.	3,000 P.S.I.	3,000 P.S.I.	3,000 P.S.I.
COLUMNAS	3,000 P.S.I.	3,000 P.S.I.	3,000 P.S.I.	3,000 P.S.I.	3,000 P.S.I.

8) A MENOS QUE SE INDIQUE LO CONTRARIO, LOS HORMIGONES DEBERÁN TENER A LOS 28 DÍAS UNA FUERTEZA A LA COMPRESIÓN DE ACUERDO A LO SIGUIENTE:

CIMENTOS	3,000 P.S.I.	LOSAS ESTRUCTURALES	3,000 P.S.I.
VIGAS	3,000 P.S.I.	PAREDES	3,000 P.S.I.
COLUMNAS	3,000 P.S.I.	OTROS	3,000 P.S.I.

9) LA PROTECCIÓN NETA PARA EL REFUERZO DEL ACERO SERÁ COMO SIGUE:

CIMENTO	3"	A LOS LADOS Y EN EL FONDO
PAREDES		
FUNDIDAS CONTRA EL TERRENO	2"	PARA VARIAS # 6 Y MAYORES
EMPUJAS	1 1/2"	HASTA VARIAS # 5
OTRAS	3/4"	
LOSAS Y VIGAS	1/2"	
VIGAS Y COLUMNAS	1/2"	

EN TODOS LOS CASOS LA PROTECCIÓN SERÁ POR LO MENOS IGUAL AL DIÁMETRO DE LAS VARIAS EXCEPTO PARA LAS LOSAS Y LAS VIGAS.

10) EL REFUERZO DE TEMPERATURA EN LOSAS, NORMAL AL REFUERZO PRINCIPAL DEBERÁ SER COMO SIGUE:

ESPESOR DE LA LOSA	REFUERZO DE TEMPERATURA
4"	3 # 14"
5"	3 # 12"
6"	3 # 11"
7"	3 # 10"
8"	3 # 9"
9"	3 # 8"
10"	3 # 7"
11"	3 # 6"
12"	3 # 5"

11) EL EMPALME PARA EL REFUERZO SERÁ COMO SIGUE:

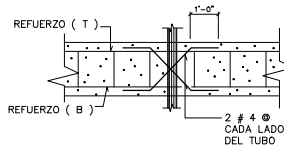
LARGO DE EMPALME	12"	14"	18"	22"	25"	30"	39"	49"	61"
TAMANO DE VARIILLA	#3	#4	#5	#6	#7	#8	#9	#10	#11

VARIILLAS # 14 & # 18 DEBERÁN SER EMPALMADAS POR SOLDADURA O POR MEDIOS MECÁNICOS.

12) PROVEA ARRINDOS EN LOS CIMENTOS IGUAL EN TAMAÑO Y NÚMERO AL REFUERZO VERTICAL EN PAREDES Y COLUMNAS. EMPALME SOBRE EL CIMENTO DE ACUERDO A LA NOTA #11 Y EXTENDIDA DENTRO DEL CIMENTO CON UN GANCHO ESTÁNDAR AMARRADO A LA BASE DEL CIMENTO (6" MIN. EN LA PATA HORIZONTAL).

13) PAREDES DE HORMIGÓN NO DETALLADAS EXCEPTUANDO LOS MURS DE RETENCIÓN LLEVARÁN EL SIGUIENTE REFUERZO:

GRUEZO DE LA PARED	REFUERZO HORIZONTAL	REFUERZO VERTICAL
4"	3 # 9" C.C.	3 # 12" C.C.
6"	3 # 8" C.C.	3 # 11" C.C.
8"	3 # 7" C.C.	3 # 10" C.C.
10"	3 # 6" C.C.	3 # 9" C.C.
12"	3 # 5" C.C.	3 # 8" C.C.



DET. DE REFUERZO EN PERFORACIÓN VIGA POR TUBO

14) PROVEA A TODAS LAS PAREDES DE HORMIGÓN:

- 2 VAR. # 5 VERTICALES AL FINAL DE CADA PARED.
- 2 VAR. # 5 ALREDEDOR DE TODO HUECO EXTENDIÉNDOLAS 2'-0" MÁS ALLA DE LOS BORDES DEL HUECO HACIA AFUERA.

1 VAR. # 6 DIAGONAL (45 GRADOS) A 3" DE CADA ESQUINA DEL HUECO CON UN LARGO DE 3'-0".

15) DOBLE EN LAS ESQUINAS DE LAS PAREDES DE HORMIGÓN, EL REFUERZO SOBREPONDIÉNDOLO AL DEL OTRO LADO DE LA ESQUINA POR 24 DIÁMETRO O 1'-0" MÍNIMO.

16) TODAS LAS VIGAS SERÁN FUNDIDAS MONOLÍTICAMENTE CON LAS LOSAS.

17) NO SE PERMITIRÁN JUNTAS, ABERTURAS, HUECOS O RANURAS QUE NO SEAN LAS MOSTRADAS EN LOS PLANOS SIN LA PREVIA AUTORIZACIÓN DEL DISEÑADOR. TODAS LAS SUPERFICIES DE LAS JUNTAS DE CONSTRUCCIÓN DEBERÁN ESTAR LIBRES DE ESCOMBROS Y LIMPIAS INMEDIATAMENTE ANTES DE VACIARSE EL HORMIGÓN Y TRATADAS SEGÚN LAS INSTRUCCIONES DE LA NOTA NÚMERO 2.

18) NO SE PERMITIRÁN JUNTAS HORIZONTALES EN VIGAS Y LOSAS, CUALQUIER PARADA EN EL VACIADO DE HORMIGÓN DEBERÁ HACERSE EN EL CENTRO DE LOS TRAMOS CON DIVISIÓN VERTICAL.

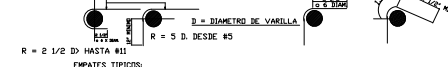
19) TODO RELLENO SERÁ COMPACTADO AL 95% DE SU "MODIFIED PROCTOR DENSITY" (ASTM D1557).

20) NINGUNA LOSA ESTRUCTURAL, DEBECIÓNDOLA SOBRE TERRENO PERTURBADO O SOBRE RELLENO COMPACTADO Y TENDRÁ UN ESPESOR MÍNIMO DE 4" Y REFUERZO DE 4" X 6" -4/8 "WELDED WIRE MESH". JUNTAS DE CONSTRUCCIÓN SERÁN ESPACIADAS A UN MÁXIMO DE 20'-0" EN AMBAS DIRECCIONES.

21) TODA PARED DE BLOQUES SERÁ REFREJADA HORIZONTALMENTE CADA DOS LINEAS CON 2-VARILLAS #3 CONTINUAS O CON REFUERZO IGUAL O SIMILAR AL "TURN-ON-WALL".

22) PAREDES DE BLOQUES SERÁN ANCLADAS A LA ESTRUCTURA CON ARRINDOS VERTICALES Y HORIZONTALES #3 # 16" C.C. EXTENDIÉNDOSE 1'-0" A CADA LADO. DISEÑOS ALTERNOS PODRÁN SER USADOS PREVIA AUTORIZACIÓN DEL DISEÑADOR. LIMITELES SOBRE HUECOS EN PAREDES DE BLOQUES TENDRÁN EL MISMO ANCHO DE LA PARED Y ESTARÁN REFORZADOS CON 2 VAR. #5 ARRIBA Y ABAJO EXTENDIÉNDOSE 1'-0" DENTRO DE LA PARED.

23) ANCLAJES TÍPICOS, EXCEPTO CUANDO SE INDIQUE OTRA COSA DEBERÁN COMO SIGUE:



EMPATES TÍPICOS:

24) EMPALMES EN EL REFUERZO VERTICAL DE PAREDES DE CARGA SERÁN ALTERNADOS A DIFERENTES NIVELES DE MANERA QUE NO QUEDEN DOS VARIILLAS ADYACENTES EMPALMADAS.

25) DISEÑO PARA PRESIÓN DE VIENTOS: 70 PSF PARA ALTURAS DE MÁS DE 100'-0".

35 PSF PARA ALTURAS DE 100'-0" A 100'-0".

45 PSF PARA ALTURAS ENTRE 10'-0" Y 50'-0".

25 PSF PARA ALTURAS DE 0' Y 10'-0".

CARGAS DE DISEÑO:

CARGA VIVA DE TECHO - 20 PSF

CARGA VIVA DE PISO - 40 PSF

CARGA DE SISMO $V = ZKWSW$

DONDE $Z = 0.60$

26) SOLDADURAS SERÁN HECHAS DE ACUERDO A LAS ESPECIFICACIONES DE "THE AMERICAN WELDING SOCIETY".

27) LEYENDA ESTRUCTURAL:

(*) INDICA ACERO ARRIBA ("TOP")

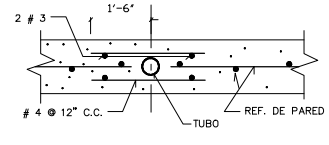
(B) INDICA ACERO ABAJO ("BOTTOM")

C.C. CENTRO A CENTRO

A.B. INDICA AMBAS DIRECCIONES

28) EL CONTRATISTA NO ALTERARÁ EN FORMA ALGUNA LA CONSTRUCCIÓN SALVO PREVIA AUTORIZACIÓN ESCRITA POR EL INGENIERO PROTECTISTA.

29) LA CAPACIDAD DEL SUELO PRESUMIDA DE 1,500 PSF. ESTE DEBE SER COMPROBADO POR EL CONTRATISTA PARA DISEÑO DE SER NECESARIO.



DET. DE TUBO EMBUTIDO DENTRO DE PAREDES DE HORMIGÓN

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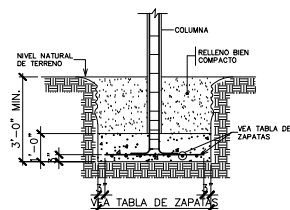
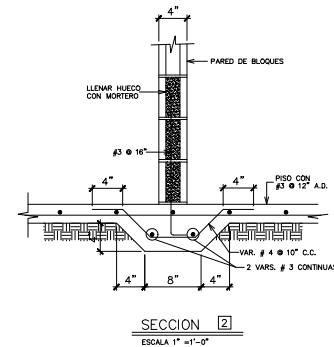
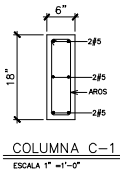
NOTAS ESTRUCTURALES
ES-1
11 Oct 2023
18
1/4"=1'-0"
31
3V
DISEÑADO POR:

PR-CRP-000981

Structural Drawing

Reinforcement Details

ESCALA: $\frac{3}{8}"=1'-0"$



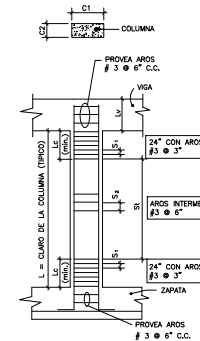
DETALLE TIPICO DE ZAPATA

SIN ESCALA

NOTAS GENERALES ESTRUCTURALES:

- [illegible]

DATA DE ISSUE: _____
 HORMIGÃO = FC = 3.000 PSI
 AÇO DE ESTRUTURAL = FY = 60.000 PSI
 CAPACIDADE DO SUELO = 2,000 PSF (ASUMIDO)
 LLEVE TODAS LAS ZAPATAS A UNA PROFUNDIDAD MINIMA DE TRES PIES (3'-0") BAJO EL NIVEL
 DE LA TERREJERÍA.
 2. LOSAS AL AER. VIGANIZADAS Y VIGAS SERAN FUNDIDAS MONOLITICAMENTE.
 CARGAS ACCIDENTALES FISS LOZA ESTRUCTURAL 400 PSF, TECTO ESTRUCTURAL 400 PSF
 CARGAS PERMANENTES 100 PSF, BALCONES 100 PSF.
 EL AÇO DE REFORZO DEBERA SER DE GRADO INTERMEDIO D EPUJO EN VARELLAS DEFORMADAS.
 3. PARA LA CARGA DE REFORZO SERA COMO SIGUE 1 1/2" EN VIGAS
 COLUMNAS, 3/4" EN LOZAS, 3" EN ZAPATAS Y TECTO HORMIGON EXTERIOR A LA INTERFEREIRIA SERA 1 1/2".

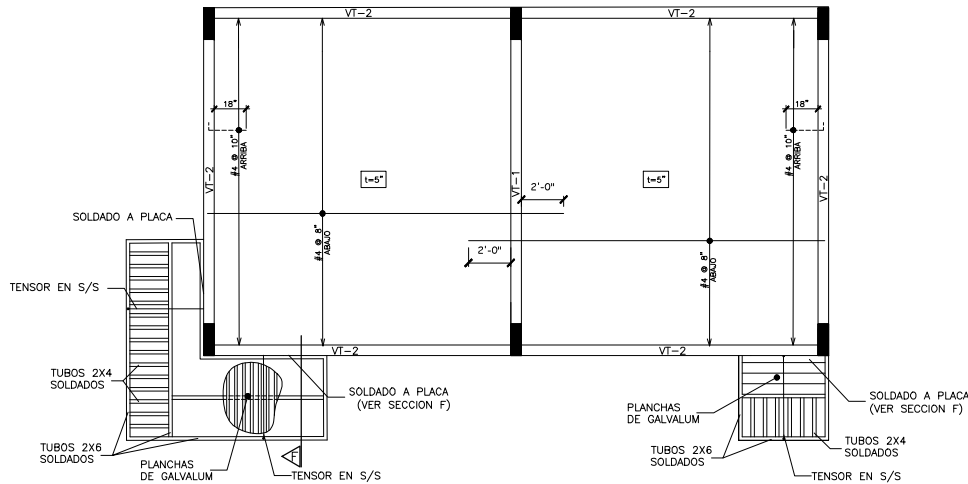


DETALLE TIPICO DE ESPACIAMIENTO
DE AROS EN COLUMNAS

ESPACIAMIENTO DE AROS EN
DISTINTAS AREAS DE LA COLUMNA

- S₁ SEPARACION DE AROS @ 4" C.C. EN ZONA Lc .
S₂ SEPARACION DE AROS @ 6" C.C. EN ZONA INTERMEDIA St .
Lc USARA , (L/6 , 24" , C1 , C2) EL QUE SEA IGUAL O MAYOR
L CLARO DE LA COLUMNA
C1 LARGO DE LA COLUMNA
C2 ANCHO DE LA COLUMNA

[illegible]

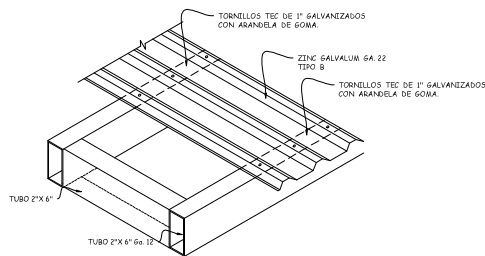


ESTRUCTURA DE TECHO (BAÑOS)

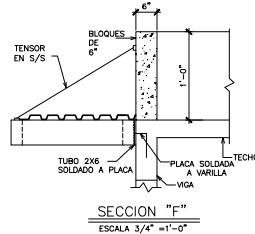
ESCALA: 3/4"=1'-0"

NOTAS IMPORTANTES

1. TODO EL REFUERZO DE TEMPERATURA SERA #3 @ 12" C.C. (ARMS) PERPENDICULAR AL ACERO DE REFUERZO EXCEPTO DONDE SE INDIQUE LO CONTRARIO.
2. EL ESPESOR DE LA LOSA DE TECHO SERA DE 5".
3. LAS LOSAS Y VIGAS DEBERAN FUNDIRSE MONOLITICAMENTE.
4. TODO METAL EN PERGOLA SERA EN ACERO GALVANIZADO.



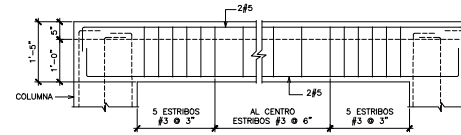
DETALLE TÍPICO DE TECHO EN GALVALUM
ESCALA: 1/4"=1'-0"



SECCION "F"
ESCALA: 3/4"=1'-0"

OTRAS NOTAS ESTRUCTURALES:

- DATOS DE DISEÑO**
HORIZON = FC = 3,000 PSI
ACERO ESTRUCTURAL = F_y = 60,000 PSI
CAPACIDAD DEL SUELO = Q = 2,000 PSF (CASQUEDO)
1. LLEVAR TODAS LAS ZAPATAS A UNA PROFUNDIDAD MINIMA DE TRES PIES (3'-0") BAJO EL NIVEL NATURAL DEL TERRENO.
 2. LOSAS AL ARRE-VOLADIZOS Y VIGAS SERAN FUNDIDAS MONOLITICAMENTE.
 3. CARGAS ACTUANTES: PISO LUZ ESTRUCTURAL: 400 PSF, TECHO ESTRUCTURAL: 400 PSF, ESCALERAS Y BALCONES: 1000 PSF.
 4. EL ACERO DE REFUERZO DEBERA SER DE GRADO INTERMEDIO O BUNO EN VARILLAS REFORMADAS.
 5. PROTECCION MINIMA PARA ACERO DE REFUERZO SERA COMO SIGUE: 1 1/2" EN VIGAS Y COLUMNA, 3/4" EN LOSAS, 2" EN ZAPATAS Y TODO HORMIGON EXPUESTO A LA INTERPERIE SERA 1 1/2".

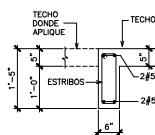


VIGA VT-1
ESCALA: 3/4"=1'-0"

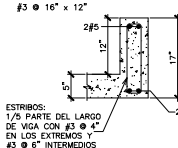
VIGA	TAMARO		REFUERZOS				ESTRIBOS (ARMS) #3
	A	B	POSITIVO	NEGATIVO	NEGATIVO	NEGATIVO	
VT-1	6"	17"	2#5	2#5-2#5	—	—	603, 306, 309, RESTO @12"

NOTA IMPORTANTE:

TODO ACERO DE REFUERZO CON CUBIERTA EPOXICA.



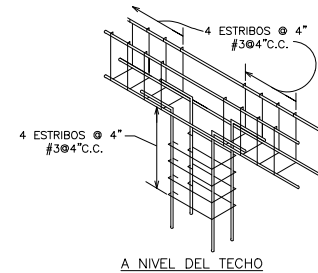
VIGA VT-1
ESCALA: 3/4"=1'-0"



VIGA VT-2
ESCALA: 1"=1'-0"

NOTAS GENERALES ESTRUCTURALES:

1. SE REQUERIRÁ QUE EL CONTRATISTA REVISAR TODAS LAS HOJAS DE EL PLANO PARA COORDINAR LOS TRABAJOS DE LA CONSTRUCCION DEL PROYECTO, DE EXISTIR ALGUNA DISCREPANCIA EN LOS PLANOS DEBERA INFORMAR AL INGENIERO PARA CONSULTA.
2. TODO HORMIGON A DEPOSITARSE DEBERA DESMOLDAR UN ESFUERZO DE COMPRESION DE 3000 PSI EN 28 DIAS (ASTM 318).
3. EL HORMIGON SE MANTENDRA UNIFORME POR LO MENOS 7 DIAS DESPUES DEL VACIADO.
4. EL CONTRATISTA DEBERA TOMAR PRECAUCIONES PARA DE TENDIENDO LA RESISTENCIA DE ESTE A LOS 28 DIAS.
5. EL VACIADO DE HORMIGON NO SE REALIZARA HASTA QUE EL INGENIERO HAYA APROBADO LA INSTALACION DE EL ACERO DE REFUERZO.
6. EL VACIADO DE HORMIGON DEBE SER MONITOREADO SE REQUERIRÁ USO DE VIBRADOR EN TODOS LOS VACIADOS.
7. TODAS LAS JUNTAS DE CONSTRUCCION DEBERAN SER LIMPAS ANTES DE REPETIR LA HORMIGON.
8. TODAS LAS JUNTAS DE CONSTRUCCION PARA LOSAS Y VIGAS SE LOCALIZARAN AL CENTRO DE LA DISTANCIA ENTRE LOS SOPORTES.
9. EL ACERO DE REFUERZO DEBERA SER DE GRADO INTERMEDIO CON VARILLAS REFORMAS ASTM 305 60,000 PSF.
10. SE REQUERIRÁ SEPARADORES PARA ACERO DE REFUERZO BLOQUES DE HORMIGON DE 2" PARA FUNDACIONES Y PLANTOS Y 1" DE METAL PARA LOSAS Y TECHO PARA SOSTENER LA PROTECCION INFERIOR.
11. LOS BLOQUES SE INSTALARAN EN FORMA ALTERNADA CON JUNTAS DE MORTERO LLENAS HORIZONTAL Y VERTICALMENTE, JUNTAS VERTICALES CON ACERO DEBEN SER LLENADAS CON TON 50 LINGUETAS.
12. LA CAPACIDAD DE SUSTENTACION DEL SUELO DEBE SER VERIFICADA POR UN INGENIERO CIVIL O GEOTECNICO.
13. EL CONTRATISTA SERA RESPONSABLE DE VERIFICAR QUE LA CAPACIDAD DEL SUELO SEA LA REQUERIDA EN EL DISEÑO DE LA ESTRUCTURA, DE SAGUI ALGUN INFORME DE INFORMAR AL DISEÑO Y AL INGENIERO.
14. SE LLEVARAN LAS EXCAVACIONES PARA LAS FUNDACIONES A UNA PROFUNDIDAD MINIMA DE 3'-0" DESDE EL NIVEL DEL TERRENO NATURAL, DE NO SER POSIBLE, ESTA PROFUNDIDAD SE CONSULTARA CON EL INGENIERO.
15. USAR ACERO DE REFUERZO BA A 13 CADA EN PAREDES DE HORMIGON DE 6" DE ESPESOR EN APLICAR.
16. EL CONTRATISTA NO ALTERARA EN FORMA ALGUNA LA CONSTRUCCION SIN LA PREVIA AUTORIZACION ESCRITA DE EL INGENIERO.
17. SE INSTALARA MEMBRANA DE POLIETILENO (VAPOR BARRER) 6 MIL, 60.000 ENTRE EL TERRENO Y EL ACERO DE REFUERZO ANTES DE VACIAR HORMIGON EN LAS LOSAS DE PISO SOBRE EL RELLENO.
18. TODOS LOS TECHOS AL MONTEJO DE FUNDIRSE SERAN AISLADOS Y PLETADOS CON FLETA DE MADERA HASTA CUBRIR UNA SUPERFICIE MINIMO 9 LUGOS.
19. EN LAS LOSAS CANSADA EN DOS DIRECCIONES, EL REFUERZO POSITIVO EN LA DIRECCION MAS CORTA SERA COLOCADA MAS CERCA A LA SUPERFICIE EXTERIOR DE LA LOSA Y EL ACERO EN LA DIRECCION MAS LARGA SE COLOCARA POR ENCIMA DE EL CORTO.
20. EL REFUERZO NEGATIVO DEBERA SE COLOCAR A 3/4" DE LA SUPERFICIE EXTERIOR.
21. LA SOLICITUD DE INSPECCION DE ACERO DE REFUERZO PARA EL VACIADO DE EL HORMIGON DEBERA REALIZARSE CON 48 HORAS DE ANTES DE LOS TRABAJOS DEBEN ESTAR TERMINADOS DESDE A QUE EN ESTO INCORPORA LA MAYOR RESPONSABILIDAD DEL INGENIERO Y/O INSPECTOR DE CONSTRUCCION O AMBOS.



DETALLE AMARE PARA DISEÑO SÍSMICO ENTRE VIGAS Y COLUMNAS

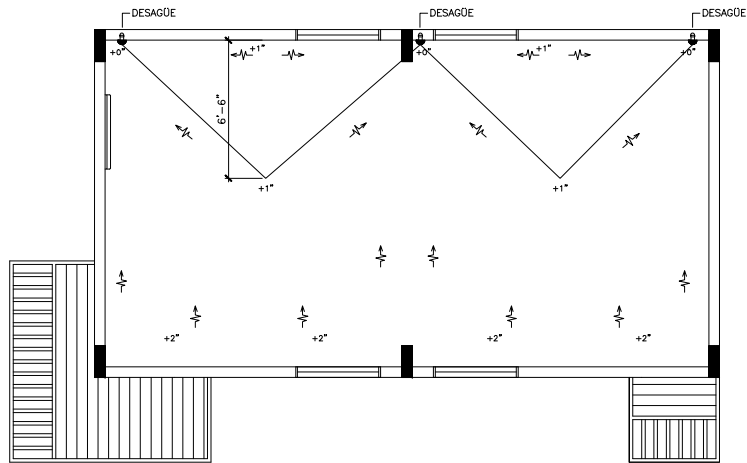
SIN ESCALA

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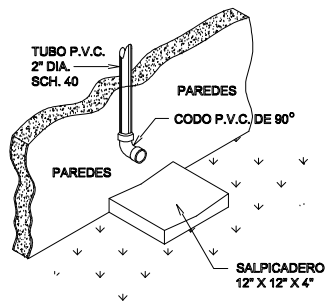
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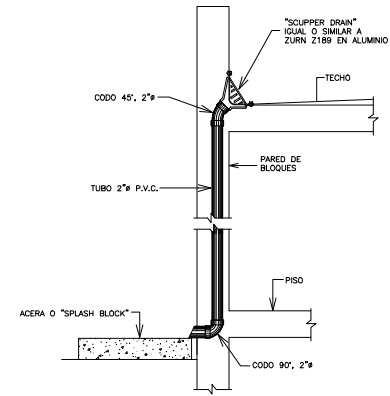
ES-4
ESTRUTURAL
11 Oct 2023
31
3/8"-1'-0"
3V
CELEBRADO POR:



DESAGÜES DE TECHO
ESCALA: 3/8"=1'-0"

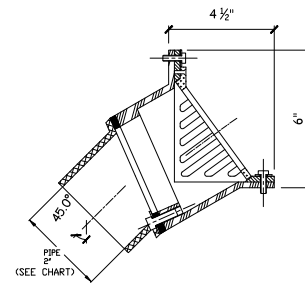


DETALLE DE SALPICADERO
NO A ESCALA



DETALLE TÍPICO DE DESAGÜE
NO A ESCALA

NOTA IMPORTANTE:
TODO ACERO DE REFUERZO CON CUBIERTA EPOXICA.



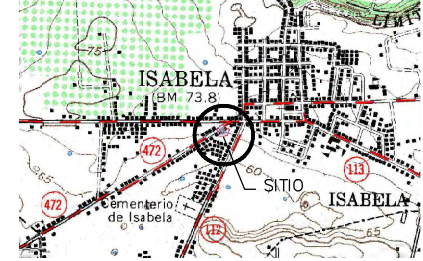
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Ing. JOSÉ D. CENTENO CALERO LIC. 20026 AGUADILLA, P.R. 00605 TEL: 787-891-8256	
Ing. JOSÉ D. CENTENO CALERO LIC. 20026 AGUADILLA, P.R. 00605 TEL: 787-891-8256	
Gallery Plaza Ave. Ericson Esq. Juan González Bo. Pueblo, ISABELA, P.R.	
Districción de Ingeniería D-1 11 Oct 2023 31 3/8"=1'-0" 3V	Districción de Ingeniería D-1 11 Oct 2023 31 3/8"=1'-0" 3V

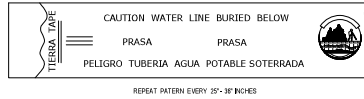
PR-CRP-000981

SITE PROPUESTO ACUEDUCTOS

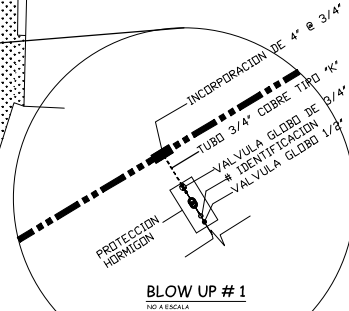
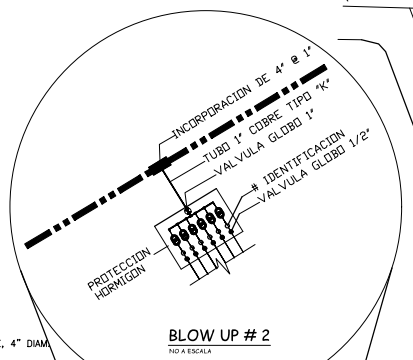
AREA PARA ESTACIONAR "FOOD TRUCKS" Y CONSTRUCCION DE
BAÑOS CON AREA DE ESTACIONAMIENTOS,
Radicado en la Ave Estacion esq. Juan Gonzalez,
Bo. PUEBLO, ISABELA, PR



CUADRANGULO
1:20,000
COORDENADAS NAD 83:
X: 137451.7378
Y: 273911.5271



WARNING SIGN
NOT TO SCALE



LEYENDA:

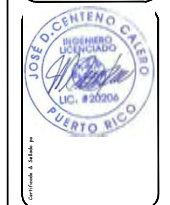
- TUBERIA DE AGUA EXISTENTE, 4" DIAM
- TUBERIA DE 1" COBRE TIPO "K" A INSTALAR, L = 2.00 M
- TUBERIA DE 3/4" COBRE TIPO "K" A INSTALAR, L = 2.00 M
- VALVULA GLOBO DE 1" O 3/4" A INSTALAR
- BATERIA DE 6 CONTADORES DE 1/2"
- BATERIA DE 3 CONTADORES DE 1/2"
- CONEXION DE AGUA A TUBERIA EXISTENTE MEDIANTE INCORPORACION DE 4" x 1", O 4" x 3/4"

SITE PROPUESTO
ACUEDUCTO
ESCALA: 1:200

NOTA:

EL DISEÑO MOSTRADO EN ESTOS PLANOS HIDRAULICOS ES ESFUERZO Y PRODUCTO DE LA OFICINA DEL INGENIERO JOSE D. CENTENO Y ES EMITIDO UNICAMENTE COMO INSTRUMENTO DE UNOS SERVICIOS PRESTADOS AL MUNICIPIO DE ISABELA Y PERMANECEN COMO PROPIEDAD DE ESTA OFICINA Y NO DEBEN SER USADOS, COPIADOS, REPRODUCIDOS O EXHIBIDOS SIN LA PREVIA AUTORIZACION ESCRITA DEL PROPONENTE.

Ing. JOSE D. CENTENO CALERO
INGENIERO
BO. PUEBLO, ISABELA, PR 00005
AGUADILLA, PR 00005
TEL. 787-691-8256



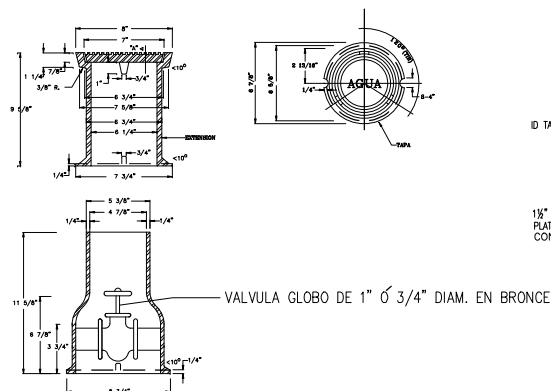
Gallery Plaza
Carr. PR 459
Bo. Pueblo, ISABELA, PR

PL-1	22	31
11 Oct 2023	1:200	
DEBUTADO POR:		

AAA-RO-21-37-0018
2021-370398-SRI-044155
PR-CRP-000981

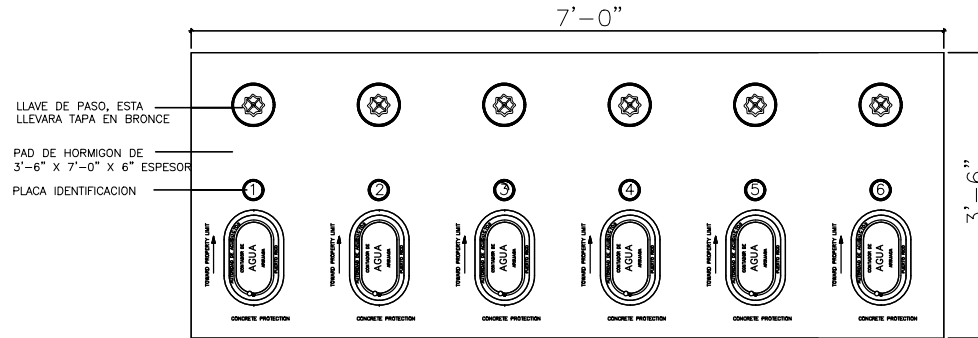
NOTAS GENERALES PARA SISTEMA DE ACUEDUCTOS

- 1- TODAS LAS CONEXIONES SERAN REALIZADAS POR UN MAESTRO PLOMERO O BAJO LA SUPERVISION DIRECTA DE ESTE.
- 2- TODAS LAS ACOMETIDAS DE LA BATERIA DE CONTADORES SERAN DE 1/2"Ø.
- 3- LOS "MANIFOLD" SERAN DE 1" Y 3/4" EN BRONCE. NO HABRA SOLDADURAS, TODA CONEXION SERA EN ROSCA.
- 4- TODAS LAS ESTRELLAS PARA CAJAS CONTADOR DEBEN SER TIPO ANTI-HURTO
- 5- TODAS LAS INSTALACIONES SE HARAN DE ACUERDO CON LAS NORMAS DE A.A.A.
- 6- SE DEBERA INSTALAR UNA CINTA DETECTABLE SOBRE LA TUBERIA DE AGUA, IGUAL O SIMILAR A LA MANUFACTURADA POR LA COMPAÑIA "REEF INDUSTRIES INC." COLOR AZUL, DICHA CINTA DEBERA ESTAR LOCALIZADA SOBRE Y PARALELA A LA TUBERIA, A UNA PROFUNDIDAD DE 0.30 Mts. (12") BAJO LA SUPERFICIE DEL TERRENO.
- 7- DEBERA PROVEERSE UN ACDALAMIENTO ADECUADO ("THRUST BLOCKS") EN HORMIGON CUANDO OCURRA UN CAMBIO DE DIRECCION DE LAS TUBERIAS.
- 8- SERA NECESARIO PROVEER UNA EXCAVACION EN EL AREA DE LAS ACOMETIDAS PARA PODER VERIFICAR PROFUNDIDAD Y MATERIALES DE TUBERIA. DEBERA SOLICITARSE LA INSPECCION CORRESPONDIENTE ANTES DE PAVIMENTAR LAS CALLES.
- 9- EL CONTRATISTA O URBANIZADOR SUMINISTRARA EVIDENCIA DEL PAGO DE CONEXION AL SISTEMA PREVIO AL ENDOSO FINAL DEL PROYECTO.
- 10- TODAS LAS PIEZAS DE CONEXION COMO "TEE", VALVULAS, TAPON, ETC. SERAN DE HIERRO FUNDIDO.
- 11- LA TUBERIA SE INSTALARA A UNA PROFUNDIDAD DE 0.75 Mts. DESDE EL NIVEL DE TERRENO HASTA LA PARTE SUPERIOR DEL TUBO Y A 1.50 Mts. DEL SARDINEL.
- 12- EL PROPONENTE O DUEÑO DEBERA NOTIFICAR POR ESCRITO A ESTA OFICINA CUANDO COMIENCE LA CONSTRUCCION DE LAS OBRAS HIDRAULICAS.
- 13- LA A.A.A. SE RESERVA EL DERECHO DE REQUERIR CUALQUIER CAMBIO PERTINENTE QUE POR OMISION O ERROR INVOLUNTARIO NO SE HAYA INCLUIDO EN EL PROYECTO Y A SU JUICIO, SEA NECESARIA PARA EL BUEN FUNCIONAMIENTO DEL SISTEMA DE ACUEDUCTOS
- 14- SE DEBERA PROVEER DE FORMA DIGITAL EN PDF UNA COPIA DE LOS PLANOS PARA EL ENDOSO FINAL
- 15- SE INSTALARAN 2.0 METROS LINEALES DE TUBERIA DE AGUA DE 1" DE DIAMETRO DE COBRE TIPO "K"
- 16- SE INSTALARAN 2.0 METROS LINEALES DE TUBERIA DE AGUA DE 3/4" DE DIAMETRO DE COBRE TIPO "K"

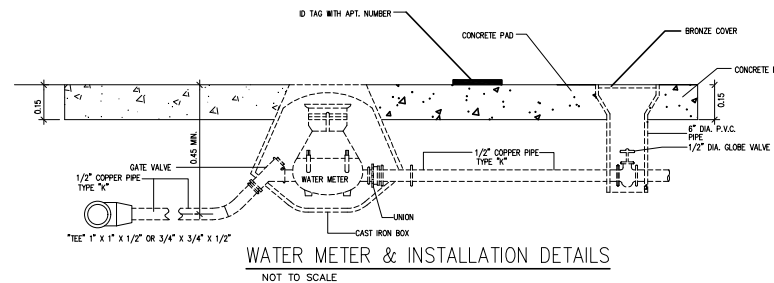


BOTELLA TELESCOPICA DE H.F. PARA VALVULA INCLUYENDO EXTENSION Y TAPA

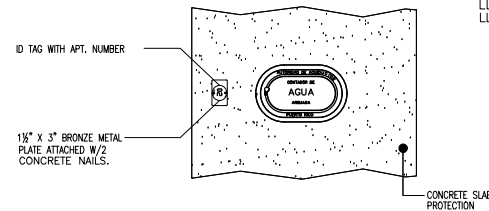
30. A. BORDA



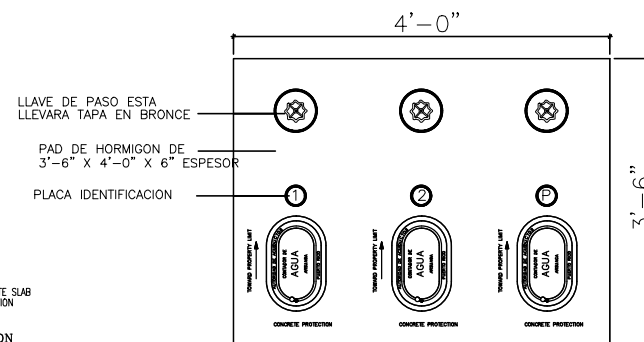
TYPICAL METER BOX COVER AND CONCRETE PROTECTION N.T.S.



WATER METER & INSTALLATION DETAILS
NOT TO SCALE



DETALLE DE CAJA CONTADOR E IDENTIFICACION
30. A. BORDA

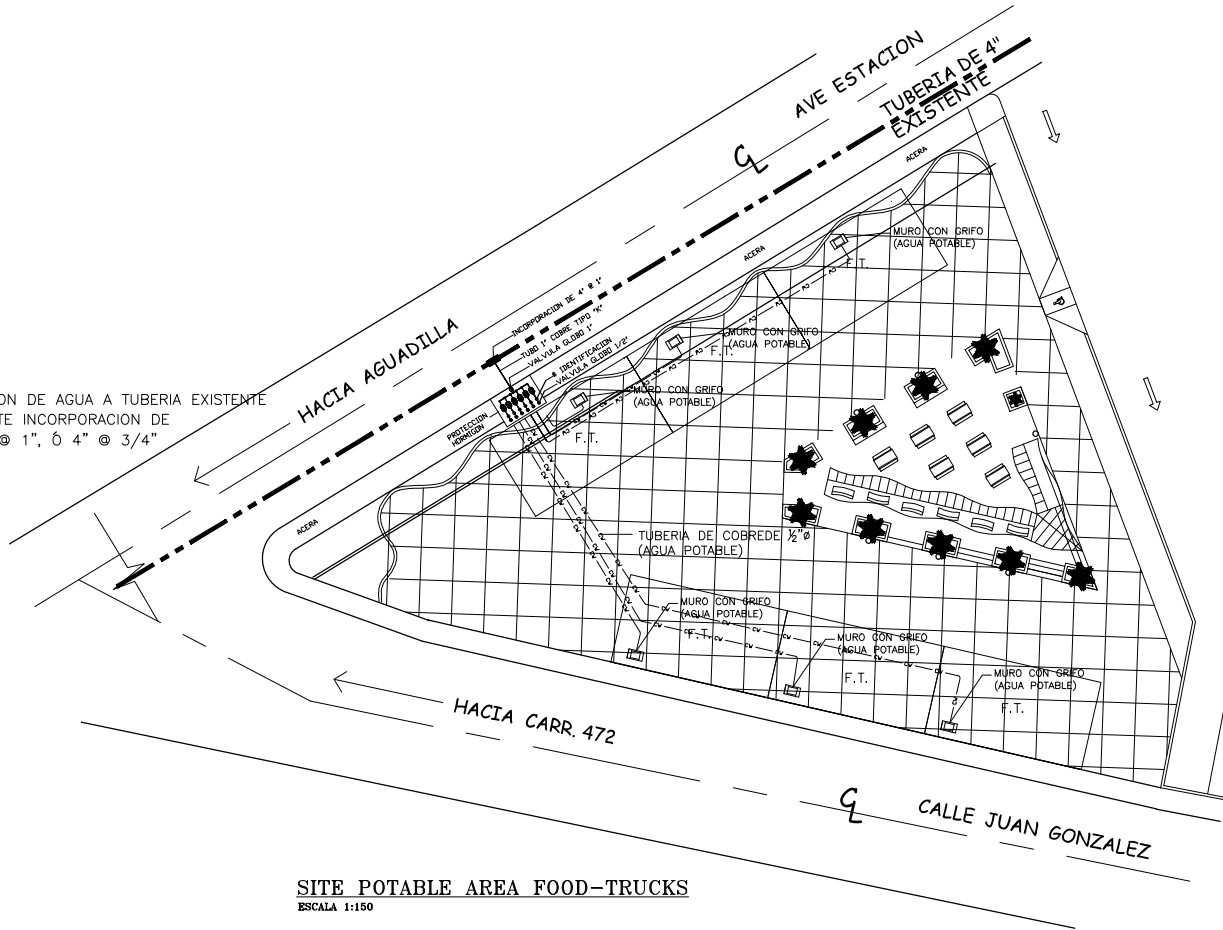


TYPICAL METER BOX COVER AND CONCRETE PROTECTION N.T.S.

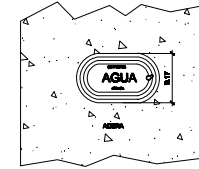
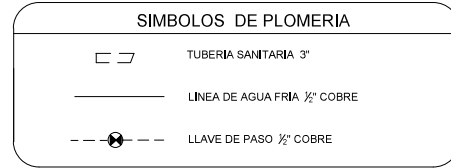
Ing. JOSÉ D. CENTENO CALERO LICENCIADO EN INGENIERIA CIVIL P.O. BOX 448 AGUADILLA, PR 00605 TEL. 787-691-8256	
JOSE D. CENTENO CALERO INGENIERO CIVIL P.R. REG. #20204 PUERTO RICO	
Gallery Plaza Carr. PR-459 Bo. Pueblo, ISABELA, PR	
DET. ACUEDUCTOS 11 Oct 2023 1:200	PL-2 23 31
DISEÑADO POR:	

AAA-RO-21-37-0018
 2021-370398-SRI-044155
 PR-CRP-000981

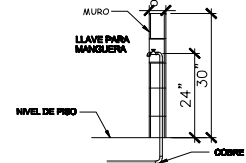
CONEXION DE AGUA A TUBERIA EXISTENTE
MEDIANTE INCORPORACION DE
DE 4" @ 1", Ø 4" @ 3/4"



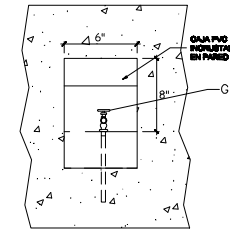
SITE POTABLE AREA FOOD-TRUCKS
ESCALA 1:150



TAPA CON CONTADOR
SIN ESCALA



DETALLE DE SALIDA PLUMA
SIN ESCALA



DETALLE DE GRIFO
SIN ESCALA

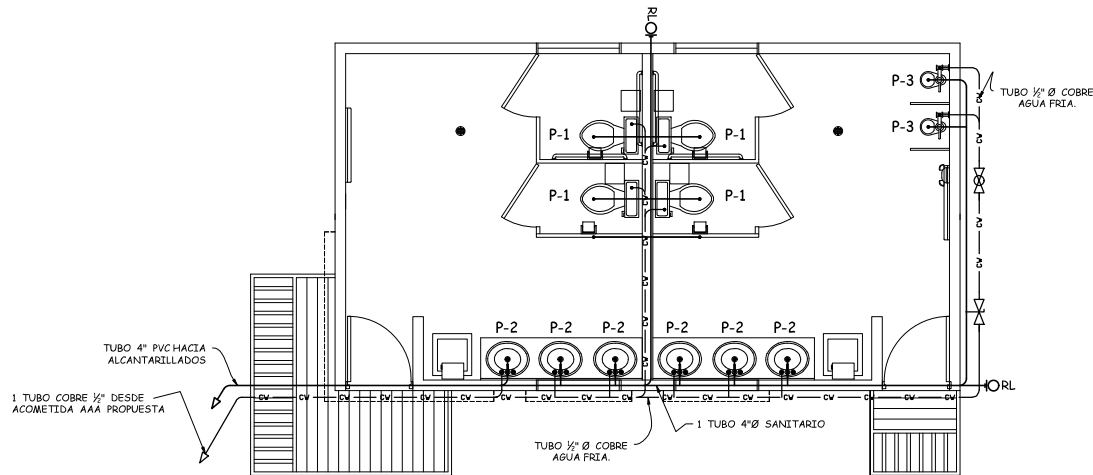
Ing. JOSÉ D. CENTENO CALERO
INGENIERO EN CIVIL
P.O. BOX 4448
AGUADILLA, PR 00605
TEL. 787-691-8256

INGENIERO EN CIVIL
INGENIERO EN PLOMERIA
LIC. #20204
PUERTO RICO

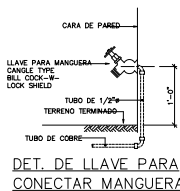
Gallery Plaza
Carr. PR-459
Bo. Pueblo, ISABELA, PR

PROYECTO	SITE POTABLE
FECHA	11 Oct 2023
ESCALA	1:125
HOJA	24
TOTAL	31
PROYECTADO POR	
REVISADO POR	

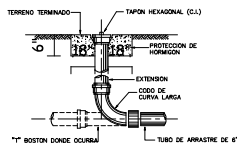
AAA-RO-21-37-0018
2021-370398-SRI-044155
PR-CRP-000981



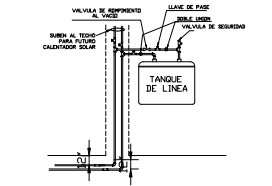
DISTRIBUCION DE PLOMERIA PARA BAÑOS
ESCALA 3/4"=1'-0"



DET. DE LLAVE PARA
CONECTAR MANGUERA



DET. DE REGISTRO



DET. PARA INSTALACION DE CALENTADOR DE AGUA LINEA
NO A ESCALA

LEYENDA:

SIMBULO	DESCRIPCION		
—	TUBERIA 1/2" COBRE — AGUA FRIA	—	LLAVE DE PASO
—	TUBERIA 1/2" COBRE — AGUA CALIENTE	—	PLUMA CON ROSCA
---	TUBERIA 1 1/2" PVC — VENTILACION	—	VALVULAS
—	TUBERIA 1 1/2" PVC — SANITARIA	—	FLUJO AGUA DESAGUE — SANITARIA
—	TUBERIA 3" y 4" PVC — SANITARIA	o o	TUBERIA VERTICAL
RL	REGISTRO DE LIMPIEZA	P-1	IDENTIFICACION APARATOS SANITARIOS
—	UNIONES EN COBRE y PVC		

TABLA APARATOS SANITARIO					
SIMBULO	DESCRIPCION	AGUA CALIENTE	AGUA FRIA	TUBERIA SANITARIA	ALTURA LLAVES
P-1	INODORO	—	1/2"	3"	8"
P-2	LAVAMANOS	1/2"	1/2"	1 1/2"	18"
P-3	URINAL	1/2"	1/2"	1 1/2"	30"
P-4	FREGADERO	1/2"	1/2"	1 1/2"	18"
P-5	CALENTADOR DE LINEA	1/2"	1/2"	—	30"

NOTAS SANITARIAS :

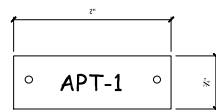
1. TODA LA TUBERIA SANITARIA SERA PLASTICA P.V.C.
2. TODA LA TUBERIA DE AGUA FRIA SERA DE COBRE 1/2" TIPO "K"
3. TODOS LOS APARATOS SANITARIOS SERAN DE MARCA "KOHLER" O "AMERICAN STANDARD". DUENO ESCOJE
4. DECLIVE: 1/8" POR PIE LINEAL TUBERIA DE 4" O MAS.
5. DECLIVE: 1/4" POR PIE LINEAL TUBERIA DE 3" O MENOS.
6. SE PUEDE USAR LA TUBERIA EXISTENTE DONDE NO CAMBIA LA DISTRIBUCION PERO LOS CONECTORES, LLAVES ANGULARES, Y FITTING SERAN NUEVOS.
7. SE INSTALARA PLUMA CERCA DE ESTACION DE BASURA.

Ingenieros del Oeste C.S.P.
Calle José de Diego #65, Aguadilla
PO BOX 4448 Aguadilla, P.R. 00605
Tel/Fax: 787 891-8256
ingenierosdeloestecsp@gmail.com

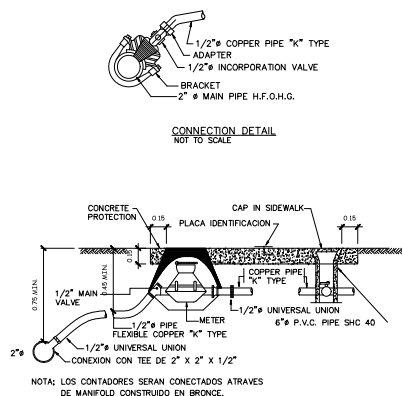
Ing. JOSÉ D. CENTENO CALERO LIC. 20026 AGUADILLA, P.R. 00605 TEL: 787-891-8256	
Gellery Plaza Ave. Enriquez Esq. Juan González Bo. Pueblo, ISABELA, P.R.	
New York PL-4 25 31	3/8"-1'-0" 3V

PR-CRP-000981

8. THE A.A.A. RESERVES ITS RIGHT TO REQUIRE ANY PERTINENT CHANGES THAT BY ERROR OR OMISSION WAS NOT INCLUDE IN PROJECT ITSELF AND DUE TO THEIR JUDGEMENT DEEMED NECESSARY IN ASSUMING AN EFFICIENT AND WELL FUNCTIONING WATER SYSTEM.



2. SERÁ NECESARIO QUE EL DUEÑO DEL PROYECTO APOORTE A ESTA AUTORIDAD, LA CANTIDAD DE QUINIENTOS DÓLARES (\$500.00) POR CADA CANTIDAD DE VIVIENDA, O SU EQUIVALENTE POR CONECTARSE Y HACER USO DEL SISTEMA DE DISTRIBUCIÓN DE AGUA.



DETALLE DE CONTADOR

22. SIZES SHOWN IN FITTERS SCHEDULE ARE MINIMUM AND SHALL BE INCREASED AS NECESSARY TO COMPLY WITH CODE REQUIREMENTS OR AS SHOWN ON DRAWINGS.

36. PROVIDE TRAP PRIMER CONNECTION FOR FLOOR DRAINS.

[illegible]

YO, JOSÉ D. CORTIJO CALERO, INGENIERO CIVIL, C. #2024, CERTIFICO QUE SOY EL PERSONAL QUE COEFECIONO Y/O INSERÓ EN PREVIAS ESTAS PLANTAS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTENDIÓ QUE JÓVANS PLANTAS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES AJUALES DEL REGLAMENTO CONTINÚO Y LAS DISPOSICIONES AJUALES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS, UNITAS REGULATIVAS O COMPLEJIONES PÚBLICAS CON JURISDICCION, RECONOZCO QUE CUALQUIER DECLARACION FALSA O FALSIFICACION DE LOS HECHOS SE HA PRODUCIDO POR DESCUIDO O POR NEGACION. YA SEA POR MI, MIS AGENTES O POR OTRAS PERSONAS CON MI CONOCIMIENTO, TAMBIÉN RESPONSABLE DE LA CALIDAD DE CUALQUIER ACCION JURIDICA O ACCION POR DAÑO CIVIL, OPEE.

SITE PROPUESTO ALCANTARILLADO SANITARIO

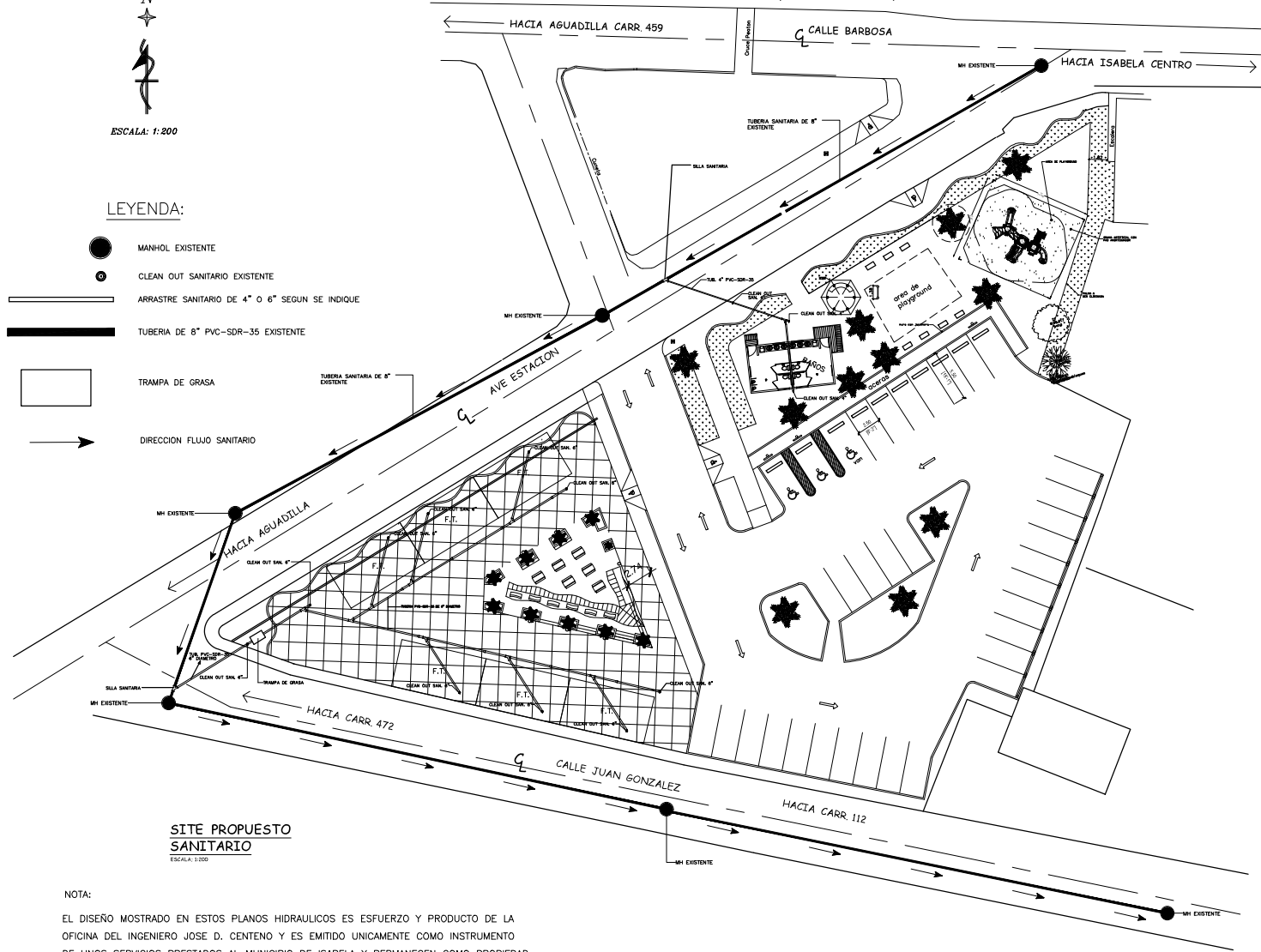
AREA PARA ESTACIONAR "FOOD TRUCKS" Y CONSTRUCCION DE
BAÑOS CON AREA DE ESTACIONAMIENTOS,
Radicado en la Ave Estacion esq. Juan Gonzalez,
Bo. PUEBLO, ISABELA, PR



ESCALA: 1:200

LEYENDA:

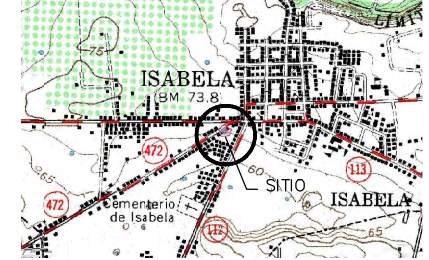
- MANHOL EXISTENTE
- CLEAN OUT SANITARIO EXISTENTE
- ARRASTRE SANITARIO DE 4" O 6" SEGUN SE INDIQUE
- TUBERIA DE 8" PVC-SDR-35 EXISTENTE
- TRAMPA DE GRASA
- DIRECCION FLUJO SANITARIO



SITE PROPUESTO
SANITARIO
ESCALA: 1:200

NOTA:

EL DISEÑO MOSTRADO EN ESTOS PLANOS HIDRAULICOS ES ESFUERZO Y PRODUCTO DE LA OFICINA DEL INGENIERO JOSE D. CENTENO Y ES EMITIDO UNICAMENTE COMO INSTRUMENTO DE UNOS SERVICIOS PRESTADOS AL MUNICIPIO DE ISABELA Y PERMANECEN COMO PROPIEDAD DE ESTA OFICINA Y NO DEBEN SER USADOS, COPIADOS, REPRODUCIDOS O EXHIBIDOS SIN LA PREVIA AUTORIZACION ESCRITA DEL PROPONENTE.

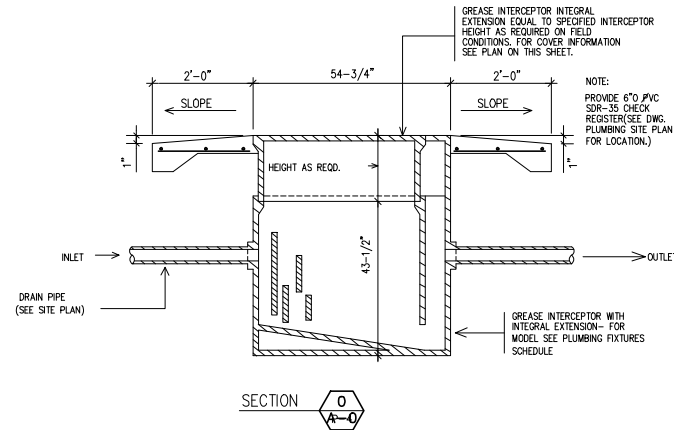
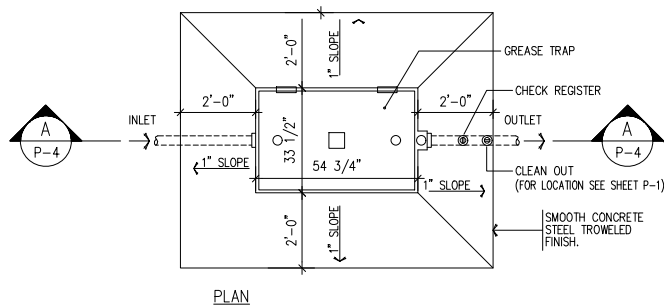


CUADRANGULO

COORDENADAS NAD 83:
X: 137451.7378
Y: 273911.5271

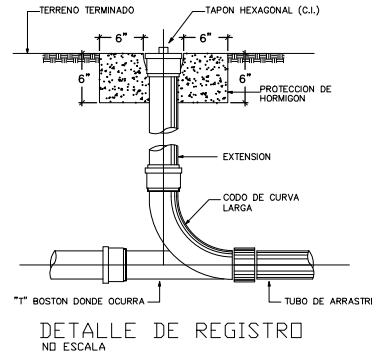
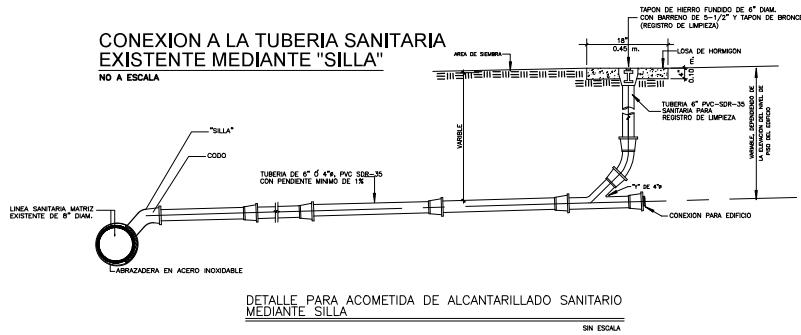
Ing. JOSE D. CENTENO CALERO INGENIERO CIVIL P.O. BOX 448 AGUADILLA, PR 00605 TEL: 787-891-8256	
JOSE D. CENTENO CALERO INGENIERO CIVIL LIC. #20206 PUERTO RICO	
Gallery Plaza Carr. PR 459 Bo. Pueblo, ISABELA, PR	
PL-6 11 Oct 2023 1:200	27 31 DEBUTADO POR:

AAA-RO-21-37-0018
2021-370398-SRI-044155
PR-CRP-000981



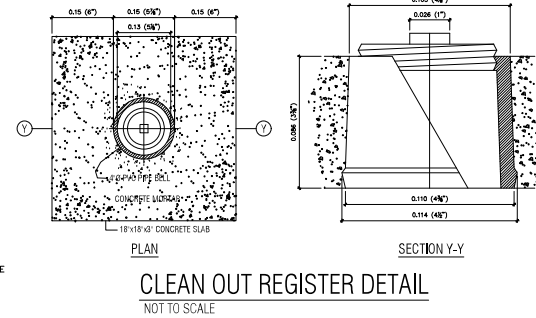
CONEXION A LA TUBERIA SANITARIA EXISTENTE MEDIANTE "SILLA"

NO A ESCALA



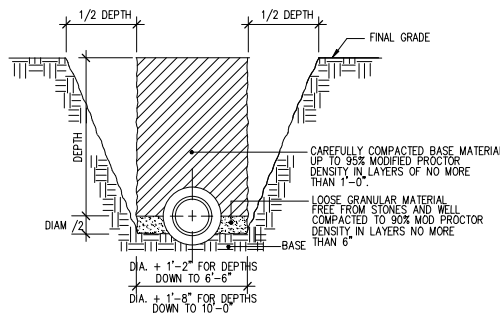
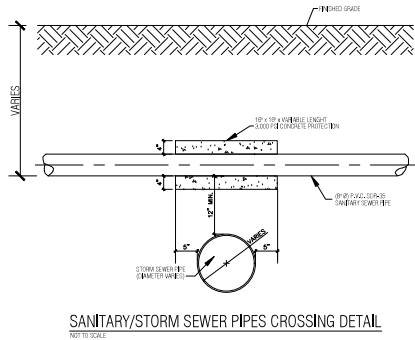
GREASE TRAP

N.T.S.



NOTAS DE ALCANTARILLADO SANITARIO:

1. LA INFILTRACION O LA EXFILTRACION DE AGUA EN LAS TUBERIAS NO SERA MAYOR DE 50 gal/plg. DE DIAMETRO POR MILLA DE LONGITUD DE TUBERIA EN 24 HORAS. EL CONTRATISTA PROVEERA LOS MEDIOS, SEGUN LO REQUIERA EL INSPECTOR DE LA A.A.A., PARA LLEVAR A CABO LAS PRUEBAS EN LAS SECCIONES DE CUOMAS QUE ESTE LE INDIQUE.
2. TODA TUBERIA QUE NO LLENE LOS REQUISITOS DE LAS PRUEBAS SERA REPARADA POR EL CONTRATISTA Y SOMETIDA A PRUEBA HASTA QUE SEA APROBADA DEFINITIVAMENTE POR EL INSPECTOR DE LA A.A.A.
3. LA A.A.A. SE RESERVA EL DERECHO DE REQUERIR CUALQUIER CAMBIO QUE POR OMISION O ERROR INVOLUNTARIO NO SE HAYA INCLUIDO EN EL PROYECTO, Y A SU JUICIO, SEA NECESARIO PARA EL BUEN FUNCIONAMIENTO DEL SISTEMA DE ALCANTARILLADO SANITARIO.
4. TODAS LAS DISTANCIAS ESTAN EXPRESADAS EN METROS, A MENOS QUE SE ESPECIFIQUE LO CONTRARIO.
5. LA TUBERIA SANITARIA DE LOS ARRASTRES DESDE EL CLEAN OUT SANITARIO MAS PROXIMO A LA LINEA COLECTORA HASTA ESTA SERA DE PVC-SDR-35 Y EL DIAMETRO SERA SEGUN SE INDICA EN EL PLANO. ASI TAMBIEN LA TUBERIA SANITARIA INTERNA SERA DE 6" Ø 4" DE DIAMETRO PVC-SDR-35 SEGUN SE INDICA EN LOS PLANO.
- 6- SE INSTALARAN DOS TRAMPAS DE GRASAS SEGUN SE ESPECIFICA EN EL PLANO.



Ing. JOSÉ D. CENTENO CALERO
INGENIERO EN CIVIL
P.O. BOX 4448
AGUADILLA, PR 00605
TEL. 787-691-8256

JOSE D. CENTENO CALERO
INGENIERO EN CIVIL
LIC. #20204
PUERTO RICO

Gallery Plaza
Car. PR 459
Bo. Pueblo ISABELA, PR

DET. SANITARIOS	PL-7	28	31
11 Oct 2023	1:200		
DEBUTADO POR			

AAA-RO-21-37-0018
2021-370398-SRI-044155
PR-CRP-000981

LEYENDA	
	POSTE HORMIGON
	POSTE HORMIGON CON TRANSFORMADOR
	POSTE MADERA CON TRANSFORMADOR Y LUMINARIA
	POSTE DE MADERA CON LUMINARIA
	POSTE DE MADERA
	POSTE HORMIGON CON LUMINARIA
	TENSOR
	PEDESTAL ELECTRICO
	NUOVO POSTE CON LUMINARIA
	STEP-LIGHTS
	MURO FAJA RECEPTACULO
	REGISTRO SANITARIO
	CONTADOR A.A.A.
	VALVULA A.A.A.
	MANHOLE
+100.00 ELEVACIONES PROPUESTAS	
	PEDESTAL DE SERVICIO (SOTERRADO)

DUEÑO: MUNICIPIO AUTONOMO
DE ISABELA

AVE. ESTACION
ESQUINA JUAN GONZALEZ
BO. PUEBLO, ISABELA, PR.

9 UNIDADES COMERCIALES PROPUESTAS

Notas para Planos de Construcción Eléctrica:

NOTAS GENERALES

- [illegible]

Ing. JOSÉ D. CENTENO CALERO
LIC. 20206
PO BOX 4448
AGUADILLA, PR. 00605
TEL. 787-891-8256

Revista del Proyecto & Construcción

Gallery Plaza

Carr. PR 4159
Bo. Pueblo, ISABELA, PR

Compañía de la Imagen SITE ELECTRICO		Fecha: 11 Oct 2023		Hora: 12:31	
		Escala: 1:200		SE-1	
J.V.					
DIBUJADO POR:					

YO, JOSÉ D. CINTRERO CALERO, INGENIERO CIVIL LIC. #20206, CERTIFICO QUE SOY EL PROFESIONAL QUE CONFECCIONO Y/O DISEÑO Y/O PREPARO ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE LOS PLANOS Y ESPECIFICACIONES CUMPLAN CON LAS DISPOSICIONES APPLICABLES DEL REGIMENTO CUANTO A LAS DISPOSICIONES APPLICABLES DE LOS REGIMIENTOS Y CÓDIGO DE CONSTRUCCIÓN VIGENTES DE LAS AUTORIDADES, ASÍ COMO REGLAMENTOS O COMPRAVENTOS PÚBLICOS, E INDEPENDIENDO DE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PREPARADO POR DESCUIDADO 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 O ADMINISTRATIVA POR LA QUE SE DERIVE.

PR-CRP-000981

NOTAS GENERALES

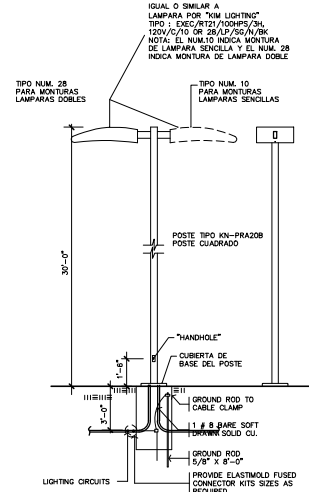
1. El dueño del proyecto es responsable de gestionar y obtener, antes de la fecha de comienzo de la obra, todos los endosos, permisos y servidumbres requeridas por entidades gubernamentales, estatales, municipales, federales y privadas concernientes al desarrollo del tipo de proyecto propuesto.
2. El dueño de esta obra tiene que contratar los servicios de un ingeniero licenciado y colegiado que inspeccione la construcción de las obras eléctricas de acuerdo con la Ley Núm. 7 del 19 de julio de 1985, según enmendada, y con el Reglamento de Certificación de Planos de Proyectos de Construcción Eléctrica de la AEE vigente. El dueño tendrá que notificar a la AEE la designación de este inspector privado antes del comienzo del proyecto.
3. La ejecución de las obras eléctricas, según diseñadas en estos planos, deberán observar la mejor práctica de la industria eléctrica y construcción de acuerdo con las normas y reglamentación adoptadas por la AEE y agencias concernientes, al igual que con los códigos, NEC y NESC, y demás estándares de IEEE, NFPA, NEMA y ANST adoptados.
4. El contratista no está autorizado a hacer variaciones a este diseño. Es responsabilidad del contratista consultar con el diseñador o inspector designado para esta obra cualquier duda que surja de la interpretación de los planos, de la ejecución de las obras propuestas, especificaciones técnicas o discrepancias entre las condiciones existentes en el campo y aquellas utilizadas para propósitos de diseño.
5. El dueño o contratista eléctrico notificará a la AEE el comienzo de estas obras, mediante la entrega del documento Notificación de Comienzo de Proyecto en el Departamento de Ingeniería de Distribución de la Región correspondiente, con por lo menos quince días de anticipación a la fecha propuesta.
6. El inspector privado y el contratista eléctrico son responsables de asistir a una reunión de pre-construcción o coordinarse con el Departamento de Ingeniería de Distribución de la Región correspondiente.
7. Todo trabajo a realizarse en líneas energizadas, incluyendo la conexión de esta obra, tiene que ser realizado por la AEE. El proponente tiene que asumir todos los costos de equipo, materiales y labor. El proponente tiene que solicitar a la AEE un estimado para estos trabajos, el cual tendrá una vigencia de tres meses desde su expedición.
8. Se prohíbe la realización de cualquier tipo de trabajo en las franjas de servidumbre eléctrica sin la autorización por escrito de la AEE.
9. La AEE no aprobará la conexión de proyectos con condiciones de invasión de servidumbre o que no cumplan con los despeses de seguridad requeridos.
10. El dueño del proyecto aportará a la AEE la cantidad de \$ 1,100.00 para mejoras al sistema eléctrico existente. Esta aportación se realiza según la carga propuesta de acuerdo con el Reglamento para Determinar y Cobrar las Aportaciones de Personas o Instituciones en Proyectos de Desarrollo vigente.

SISTEMAS

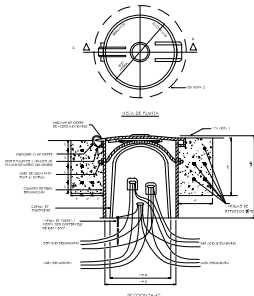
1. El dueño del proyecto es responsable de realizar las pruebas de los cables primarios y secundarios con sus terminaciones. Los resultados de estas pruebas tienen que estar de acuerdo con los parámetros establecidos por la AEE para las mismas. Estas pruebas tienen que realizarse en coordinación con un representante de la Oficina de Inspecciones del Departamento de Ingeniería de Distribución correspondiente.
2. Durante la instalación del cable, éste debe estar protegido de la humedad y abrasiones. El contratista es responsable de instalar el cable mediante las prácticas recomendadas de halado para no exceder la tensión especificada para el cable.
3. En aquellos casos donde el proyecto esté localizado a menos de una milla de cuerpos de agua salada, los conductos ascendentes tienen que ser de PVC Schedule 80 o de fibra de vidrio, según aprobado por la AEE.
4. Las bandejas del sistema soterrado serán inspeccionadas por la AEE antes de ser cubiertas y compactadas.
5. Toda bandea expuesta a tráfico vehicular tendrá que ser protegida con hormigón. Aquellas que se encuentren cerca de instalaciones de otras utilidades tendrán un despejo mínimo de 13 pulgadas de éstas.
6. La cantidad de fusibles de reemplazo que proveerá el contratista será la misma cantidad de los instalados en cada subestación.
7. Los conectores que se utilizarán para la conexión a tierra de antenas y subestaciones serán de soldadura exotérmica (thermo-weld) o de compresión.
8. El contratista proveerá cable de halado (fishwire) en cada conducto de resguardo.
9. Todo sistema de distribución tendrá una resistencia máxima a tierra de 10 ohmios. Se instalará una varilla para conectar a tierra el neutral en cada cuatro postes o cada 1,000 pies y en todos los transformadores.
10. Cada base de hormigón para poste tiene que incluir dos conductos de resguardo para uso futuro, según requerido por la AEE.
11. Las bases para postes tienen que ser inspeccionadas por la AEE en su etapa de construcción.

MATERIALES

1. Todos los equipos a utilizarse en la construcción tienen que cumplir con los estándares de IEEE, ANST, NEMA y ASTM.
2. El contratista es responsable de verificar con la AEE que todo material o equipo a utilizarse esté aprobado por la AEE previo a su instalación. La AEE se reserva el derecho de aceptar cualquier equipo que se le vaya a transferir.
3. Todo equipo y material (incluyendo transformadores y gabinetes de subestaciones) a ser instalados a una milla o menos de distancia de cuerpos de agua salada tiene que ser construido en acero inoxidable, con excepción de las bases de medidores.
4. El contratista será responsable de rotular todo transformador a ser transferido a la AEE con un número de propiedad provisto por el Departamento de Ingeniería de Distribución correspondiente.

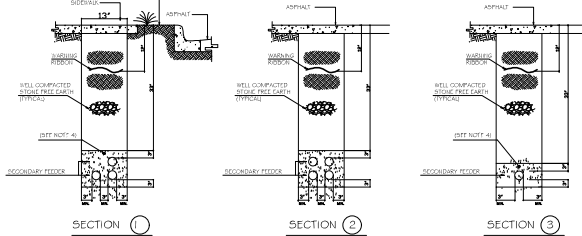


LIGHTING POLE DETAIL
NOT TO SCALE

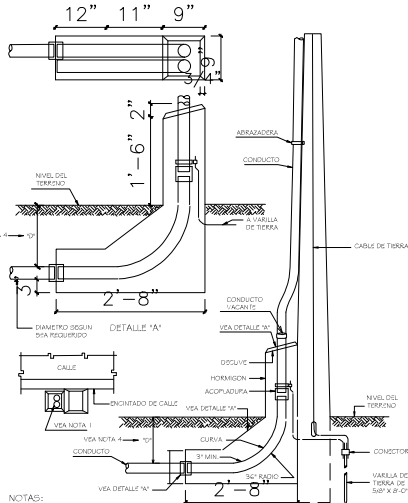


URD-26 PEDESTAL DE SERVICIO EN
FORMA DE CÚPULA

- NOTAS:
- 1- LA INSTALACIÓN DE PEDESTALIZADO DEBEN DE SER LAS SIGUIENTES: COORDINARÁN CON LA AEE Y SE COLOCARÁN DE 2' A 3' POR ENCIMA DEL NIVEL FINAL DEL TERRENO.
- 2- LOS PEDESTALIZADOS LOCALIZADOS EN LA PUNTA DE SIERRAS O ARENAS PUEDEN SER INSTALADOS CON UN ARMADO DE PROTECCIÓN DE HORMIGÓN PARA EVITAR LA FUGA DE LOS CABLES DE LOS CONDUCTOS.
- 3- TODOS LOS TERMINOS RESERVADOS SE ENTRAÑAN EN CONDUCTOS DE PVC. EL DIÁMETRO DEL CONDUCTO DEPENDERÁ DEL CALIBRE DEL CONDUCTOR.



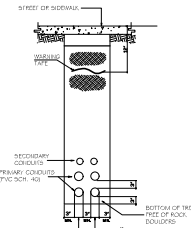
TRENCH DETAIL OF SECONDARY FEEDER
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NOTAS:

- 1- EL CONDUCTO RÍGIDO ASCENDENTE SERÁ INSTALADO PARALELO A LA CALLE.
- 2- LAS ARMADURAS SERÁN DE TIPO "STREET" EN ACERO GALVANIZADO.
- 3- CUANDO EL PROYECTO ESTÉ UBICADO A MENOS DE UNA MILLA SE UTILIZARÁ ACERO INOXIDABLE COMO MATERIAL PARA LAS ARMADURAS.
- 4- LA PROFUNDIDAD MÍNIMA DE 10' SERÁ 48" PARA DISTRIBUCIÓN PRIMARIA Y 36" PARA DISTRIBUCIÓN SECUNDARIA.

URD-4 CONDUCTO ASCENDENTE PARA DISTRIBUCIÓN
SOTERRADA PRIMARIA Y SECUNDARIA



TRENCH DETAIL OF PRIMARY FEEDER
NOT TO SCALE

Ing. JOSÉ D. CENTENO CALERO
INGENIERO ELÉCTRICO
P.O. BOX 448
AGUADILLA, PR 00605
TEL. 787-691-8256

JOSE D. CENTENO CALERO
INGENIERO ELÉCTRICO
LIC. #20706
PUERTO RICO

Gallería Plaza
Car. PR-69
Bo. Pueblo, ISABELA, PR

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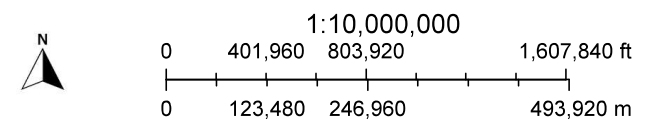
Exhibit 13 Sole Source Aquifers Map

PR-CRP-000981 Gallery Plaza
Road 472 and Juan González St, Isabela, PR 00662
Coordinates 18.500198, -67.025665



Legend:

-  Sole Source Aquifers
-  Project Site



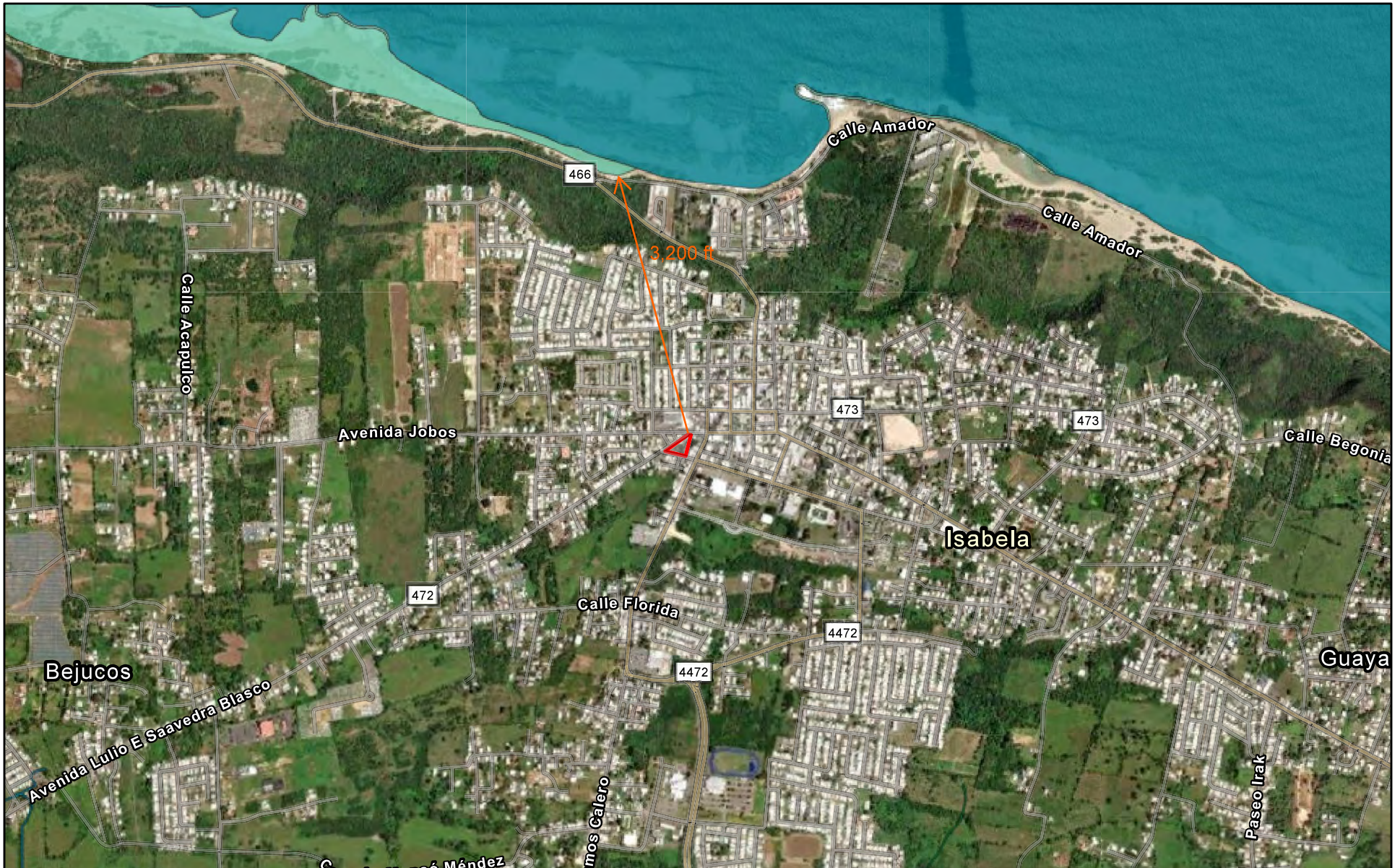
Esri, HERE, Garmin, NGA, USGS

8/12/2025

SVR - Tetratech
U.S. Environmental Protection Agency

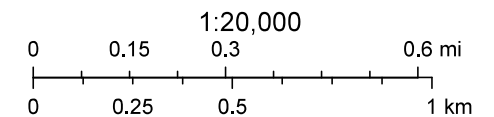
Exhibit 14 Wetland Map

PR-CRP-000981 Gallery Plaza
Road 472 and Juan González St, Isabela, PR
00662 Coordinates 18.500198, -67.025665



Legend:

- | | | | | | |
|--|--------------------------------|---|------------------------------|--|-----------------------------------|
|  | Project Site |  | Estuarine and Marine Wetland |  | Freshwater Forested/Shrub Wetland |
|  | Wetlands |  | Freshwater Emergent Wetland |  | Riverine |
|  | Estuarine and Marine Deepwater | | | | |



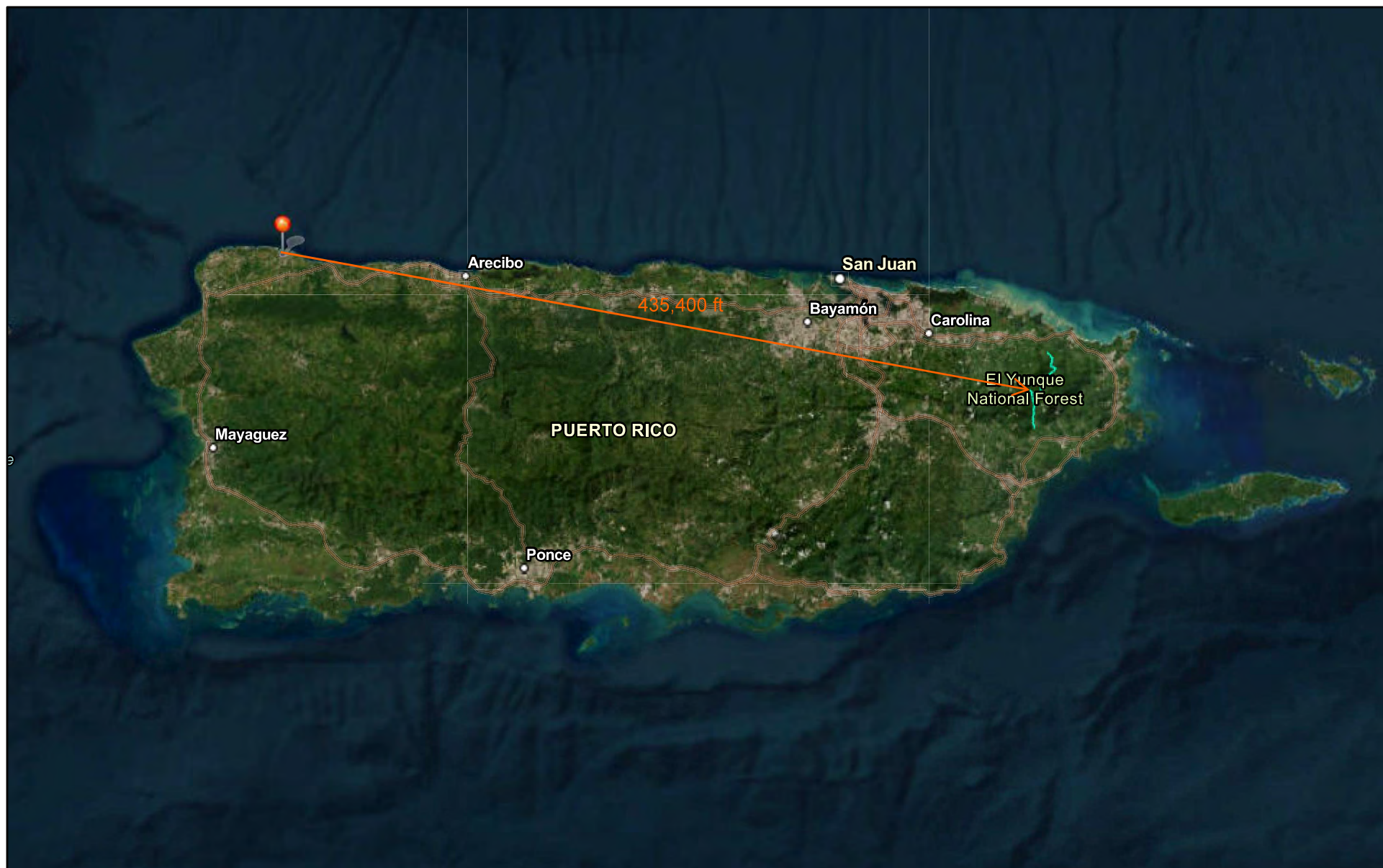
Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar

August 20, 2025

SVR - Tt

Exhibit 15 Wild & Scenic Rivers Map

PR-CRP-000981 Gallery Plaza
Road 472 and Juan González St, Isabela, PR
00662 Coordinates 18.500198, -67.025665



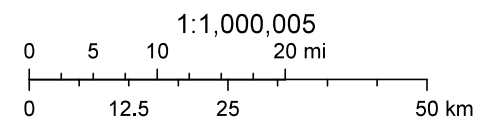
Legend:



Project Site



Wild and Scenic Rivers



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

August 12, 2025

SVR - Tt

Ingenieros del Oeste C.S.P.

Calle José de Diego #65, Aguadilla
PO BOX 4448 Aguadilla PR 00605
ingenierosdeloestecsp@gmail.com
Tel. / Fax. (787) 891-8256

Technical Memorandum to File

Site Visit - Project Gallery Plaza (PR-CRP-00981), Municipality of Isabela

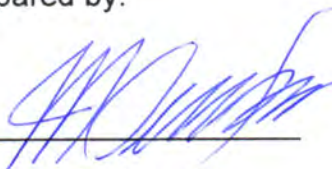
To: Whom It May Concern

Date: August 30, 2025

This is to confirm that, as a result of a field reconnaissance that took place at the proposed project site in March 28, 2023, with the intent of evaluate environmental aspects pursuant to 24CFR58 regulation, it was confirmed the absence of structural components at the site that would warrant an Asbestos-Containing Materials or Lead-Based Paint survey nor identified relevant regulatory environmental risks.

All other environmental aspects related to the proposed action have been summarized in the Environmental Assessment statutory form.

Prepared by:



José D. Centeno PE

President

Ingenieros del Oeste CSP

