

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

Project Information

Project Name: Nuevo Estacionamiento Plaza del Mercado y Centro Urbano (PR-CRP-001142)

Responsible Entity: Puerto Rico Department of Housing (PRDOH)

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

State/Local Identifier: Puerto Rico / Yauco (PR-CRP-001142)

Preparer: José De La Rosa Reyes – Project Coordinator – Applied Engineering Group

Certifying Officer Name and Title:

Aldo A. Rivera Vázquez- Permits and Environmental Compliance Director

Angel G. López Guzmán - Permits and Environmental Compliance Deputy Director

María T. Torres-Bregón - Environmental Compliance Manager

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Abdul Feliciano-Plaza - Permits and Environmental Compliance Specialist

Javier Mercado-Barrera - Permits and Environmental Compliance Specialist

Priscilla Toro-Rivera - Permits and Environmental Compliance Specialist

Consultant (if applicable):

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

Project Location: Comercio Street Yauco, PR (Lat: 18.03534545, Lon: -66.85207347)

Cadaster No. **361-084-124-06**

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

The project consists of the rehabilitation and improvement of the existing paved area. The actual parking area is not well defined and lacks proper infrastructure. The project will comply with all applicable requirements of current codes and regulations. The proposal includes:

- Removal and repaving of the existing asphalt.
- A new parking lot is designed to improve functionality, including ADA-compliant parking spaces.
- Creation of an ADA-compliant pedestrian access sidewalk at the northern exit, requiring the removal of a portion of the chain-link fence.
- Verification and necessary improvements to the existing drainage system.
- Improvements to the parking lot gradients to ensure proper rainwater runoff.
- New planting areas with native trees in planters.
- Installation of solar lighting poles and electrical provisions for future security devices.

Excavation and Planting:

- Excavations for leveling surface corrections are estimated to be 3-5 feet in some portions.
- The new trees will be planted in above the ground, concrete planters, and the solar poles will require up to 3 feet footing depth.

Demolitions:

- The demolition will involve removing the existing pavement, disassembling and disposing of damaged sections of the cyclone fence.
- Demolishing the existing concrete bollards.
- The damaged drainage ditch will be removed to facilitate the upcoming construction activities which includes improving the existing storm water drainage system.

Funding Information

Grant Number	HUD Program	Funding Amount
B-17-DM-72-0001	CDBG-DR	\$11,938,162,230.00
B-18-DP-72-0001		
B-19-DP-78-0002		
B-18-DE-72-0001		

Estimated Total HUD Funded Amount: \$561,117.46

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$561,117.46

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

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

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance Determinations
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 and 58.6		
Airport Hazards 24 CFR Part 51 Subpart D	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The closest civilian airport to the nearest property in the Project site is the Mercedita International Airport (PSE), located in Ponce Puerto Rico, approximately 19.14 miles (101,251.2 feet) southwest of the project site. The closest military airport to the nearest property in the project site is the Luis Muñoz Marín (SJU), approximately 61.61 miles (325,036.8 feet) northeast of the project site. The project is not located within 15,000 feet of a military airport, or 2,500 feet of a civilian airport. Consequently, the Project follows Airport Hazard requirements. Refer attachment 2.

Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	According to the Coastal Barrier Resources System Mapper, the closest CBRS Unit is PR-82P: Punta Ballena, located approximately 5.55 miles (29,292 feet) northwest of the Project. Consequently, the Project follows Coastal Barrier Resources requirements. Refer to attachment 3.
Flood Insurance Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	According to Flood Insurance Rate Map (FIRM) panel 72000C1615H, effective as of April 19, 2005, the project site is located in flood Zone X, thus outside designated flood prone areas. As a result, the project site will not need flood insurance and is compliant with the NFIR Act. For additional details, please refer to Attachment 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 <input type="checkbox"/> <input checked="" type="checkbox"/>	The scope of the project does not involve new construction, land use conversion, or the development of public, commercial, or industrial facilities, nor does it include the development of five or more dwelling units. The site is within the Municipio of Yauco, which is in Attainment Area for all criteria pollutants. The nearest non-attainment municipality, Guayama, which is in non-attainment for SO ₂ 1-hr (2010 standard), is 38 miles (200,640 feet) from the site. As such, the project is in full compliance with Clean Air requirements. Refer to Attachments 5A-B.
Coastal Zone Management Coastal Zone Management Act, sections 307(c) & (d)	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The proposed action at 3.59 miles (18,948 ft) from the zone delimited in the coastal vulnerability. Consequently, the Project follows Coastal Zone Management requirements. Refer to attachment 6.
Contamination and Toxic Substances 24 CFR Part 50.3(i) & 58.5(i)(2)	Yes No <input checked="" type="checkbox"/> <input type="checkbox"/>	According to the NEPAassist database, there are regulated sites within a 3,000-foot radius of the project site. However, a detailed analysis confirms that all these sites are either downstream from the project location or compliant with relevant regulations. An inspection for both asbestos and lead-based paint was conducted on February 14, 2024, by Abraham Rodriguez, a DRNA/AHERA certified inspector. Lead-based paint was identified on certain elements of the project site (see full report on appendix 7D), and a lead-based paint mitigation plan for its proper removal will be implemented by the general contractor prior to any construction works. Additionally, the inspection included physical assessments of suspected asbestos-containing materials (ACM) within the park. No

		<p>suspected materials were observed, consequently no samples were taken. A site inspection was completed on October 18, 2023. No evidence of hazardous materials, contamination, toxic chemicals and gases, or radioactive substances were observed during the site inspection. Thus, there are no environmental concerns identified at the site. A review of nearby regulated sites using the EPA tool ECHO identified six (6) sites within a 3,000-foot radius of the project site. One of the sites had reporting violations three years ago. Potential impacts of these nearby regulated sites were evaluated, considering factors such as pollution sources, emissions, and compliance information as well as distance to the project site. See attachment 6B for further information. Based on distance from the project site and absence of a significant violation, it was determined that these sites will not impact the project.</p> <p>The project does not involve long-term occupancy, only improvements of an existing parking (open parking). In accordance with CPD-23-103, this exemption means that radon considerations are not applicable to this analysis.</p> <p>Based on the above information, the project complies with Contamination and Toxic Substances requirements and a lead-based paint hazard mitigation plan will be required.</p> <p>For further details, please refer to the supporting documentation in Attachments 7A-D.</p>
<p>Endangered Species</p> <p>Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project scope applies for evaluation under the "Blanket Clearance Letter for Federally Sponsored Projects, Housing and Urban Development" issued by the USFWS and dated January 14, 2013. The Self-Certification was prepared, and Agency acknowledgement was obtained, dated 07/17/2024. 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, nearest critical habitat is at 10,197.6 feet from site. The project will have No Effect on this species or habitats due to the nature of the activities involved in the project. However, if a Puerto Rican Boa is encountered, work will cease until it moves off the site or, failing that, the Dept of Natural and Environmental</p>

		Resources (DNER) will be notified to relocate the Boa. Refer to Attachments 8A-C.
Explosive and Flammable Hazards 24 CFR Part 51 Subpart C	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The proposed project does not include a hazardous facility that mainly stores, handles, or processes flammable or combustible chemicals such as bulk fuel storage facilities. Planned activities in the project area do not include installation of storage tanks. The project would not introduce new residents and would not involve an increase in employees or clients. Based on the examination of aerial and street views, it has been confirmed that there are no aboveground storage tanks within the acceptable separation distance. The Project is in compliance with Explosive and Flammable Hazards requirements. For further information refer to attachment 9.
Farmlands Protection Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The project area does not include prime or unique farmland, or other farmland of statewide or local importance as identified by the U.S. Department of Agriculture, Natural Resources Conservation Service NRCS (formerly the Soil Conservation Service). This project site is in urban lands classified as "Non-Prime Farmlands and thus the project would not convert farmland to non-farmland use. The Project is in compliance with the Farmlands Protection Policy Act. For further information refer to attachment 10.
Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	According to the PR Planning Board Advisory Base Flood Elevation maps, the project is not located within a flood zone. The 500-year floodplain methods was used to determine that the project site is not within a Federal Flood Risk Management Standard (FFRMS) floodplain. The project does not require an 8-step decision-making process per 24 CFR §55.20. Therefore, the project is in compliance with Floodplain Management requirements and no mitigation is required. For further information refer to attachment 11A-C.
Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	Yes No <input checked="" type="checkbox"/> <input type="checkbox"/>	The site was evaluated in December 2024 and updated in January and April 2025, by an SOI Qualified Architect/Architectural Historian and by an SOI Qualified Archaeologist. (See Attachment 12). On April 30, 2025, the Puerto Rico State Historic Preservation Office (SHPO) SHPO concurred with a finding that the proposed project would have No Adverse Effect on Historic Properties.

		<p>The project follows Historic Preservation requirements of Section 106 of the NHPA.</p> <p>Refer to 106 package in attachment 12.</p>
<p>Noise Abatement and Control</p> <p>Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project only consists of improvements to a previously developed parking lot in the urban center of the municipality of Yauco.</p> <p>The Project follows Noise Abatement and Control requirement.</p>
<p>Sole Source Aquifers</p> <p>Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>There are no EPA sole source aquifers in Puerto Rico. Furthermore, the project consists of activities that are unlikely to have an adverse impact on groundwater resources. Nearest EPA sole aquifers is at approx. 5,258,927.97 feet from project site. Therefore, the project is in compliance with Sole Source Aquifer requirements. Refer to Attachment 13.</p>
<p>Wetlands Protection</p> <p>Executive Order 11990, particularly sections 2 and 5</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The National Wetlands Inventory (NWI) mapping indicates that there are no wetlands on the project site. The nearest riverine wetland is located 696 feet from the project site. Therefore, the project is in compliance with Wetlands Protection requirements. Refer to attachment 14.</p>
<p>Wild and Scenic Rivers</p> <p>Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>Puerto Rico has only three Wild and Scenic Rivers (Río Mameyes, Río Icacos and Río De La Mina), located on the east side of Puerto Rico. The proposed Project is located on the south of Puerto Rico, approximately 71.71 miles (378,197.60 feet) southwest of said rivers. As a result, the project will not impact any Wild and Scenic Rivers. Therefore, the project is in compliance with Wild and Scenic Rivers requirements.</p> <p>Refer to attachment 15.</p>
ENVIRONMENTAL JUSTICE		
<p>Environmental Justice</p> <p>Executive Order 12898</p>	<p>Yes No</p> <p><input type="checkbox"/> <input type="checkbox"/></p>	<p>On January 21, 2025, President Donald Trump issued the Executive Order titled "Ending Illegal Discrimination and Restoring Merit-Based Opportunity", which revoked Executive Order 12898 and eliminated federal mandates requiring agencies to assess environmental justice impacts. Consequently, there is no longer a federal requirement to address environmental justice concerns in the environmental compliance review process.</p>

Field Inspection (Date and completed by):

The field inspection for this project was made on October 18, 2023, by José De La Rosa.

Summary of Findings and Conclusions:

During the site visit, data was collected to support the Environmental Review Record (ERR) process, ensuring compliance with the National Environmental Policy Act (NEPA) and other applicable regulations. Key areas of focus included identifying potential environmental impacts, evaluating the proximity to sensitive natural resources, and documenting existing land use. All properties are in urban land. No evidence of hazardous materials, contamination, toxic chemicals and gases, or radioactive substances were observed during the site inspection. In addition, there were no storage tanks, drums, distressed vegetation or other visible evidence of contamination found during the inspection. The project is not expected to have an impact on the natural or human environment, and the project area was found to be free of potential environmental concerns such as wetlands and endangered species habitat. The gathered data confirmed that the proposed project qualifies for a categorical exclusion, as it does not involve activities that could significantly alter the physical or environmental landscape.

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
Contamination and Toxic Substances	Removal of lead base paint following governing local agencies guidelines, regulations and methodology will take place.
Endangered Species	If a Puerto Rican Boa is encountered, work will cease until it moves off the site or, failing that, the USFWS will be notified to relocate the Boa.
Historic Preservation	Should the Agency discover other historic properties at any point during project implementation, SHPO will be notified immediately.

Determination:

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

Preparer Signature: _____



Date: May 21, 2025

Name/Title/Organization: José De La Rosa Reyes

Certifying Officer Signature: _____



Date: 5/22/2025

Name/Title: Priscilla M. Toro Rivera/ Environmental Specialist

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

List of attachments

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



Attachment 1: Area of Potential Effect/ Project Site Nuevo Estacionamiento Plaza del Mercado y Centro Urbano

Location: Comercio Street Yauco, PR (0018.03534545, -66.85207347)

Source: Google Earth

Website: <https://earth.google.com/web/>

Author: Applied Engineering Group

Airport Hazards



Attachment 2: Airport Hazards

Project Nuevo Estacionamiento Plaza del Mercado y Centro Urbano, Municipality of Yauco, (PR-CRP-0001142)

Location: Comercio Street Yauco, PR (0018.03534545, -66.85207347)

Source: NEPAssist

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

Author: Applied Engineering Group

National Flood Hazard Layer FIRMette



Legend

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

SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE)
Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee. See Notes. Zone X
- Area with Flood Risk due to Levee Zone D

OTHER AREAS

- NO SCREEN Area of Minimal Flood Hazard Zone X
- Effective LOMRs
- Area of Undetermined Flood Hazard Zone D

GENERAL STRUCTURES

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES

- Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

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.

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 12/27/2023 at 2:12 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Attachment 4: Flood Insurance

Project Nuevo Estacionamiento Plaza del Mercado y Centro Urbano, Municipality of Yauco, (PR-CRP-0001142)

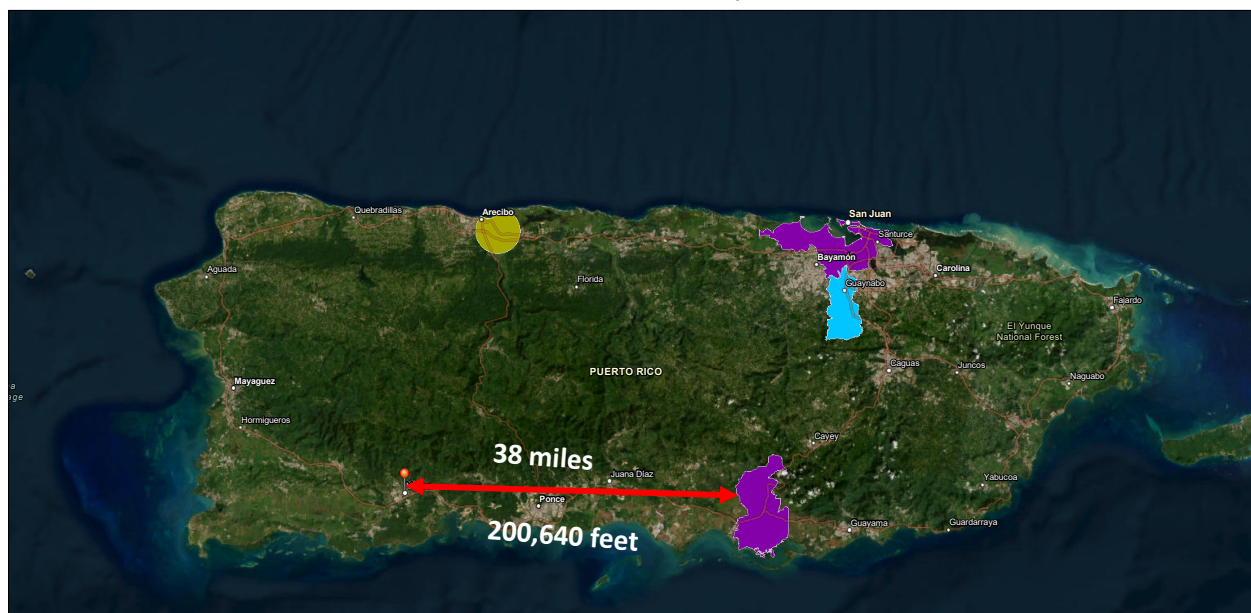
Location: Comercio Street Yauco, PR (0018.03534545, -66.85207347)

Source: FEMA Flood Map Services Center

Website: <https://msc.fema.gov/portal/home>

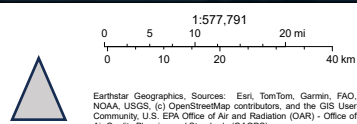
Author: Applied Engineering Group

Nonattainment Map



April 23, 2025

- Project 1
- Lead (2008 standard) Nonattainment
- PM10 (1987 standard) Maintenance
- SO2 1-hr (2010 standard) Nonattainment



Attachment 5A: Nonattainment Map

Project Nuevo Estacionamiento Plaza del Mercado y Centro Urbano, Municipality of Yauco, (PR-CRP-0001142)

Location: Comercio Street Yauco, PR (0018.03534545, -66.85207347)

Source: NEPAassist

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

Author: Applied Engineering Group

Attachment 5B Greenbook Data

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

Data is current as of February 28, 2025

Listed by County, NAAQS, Area. The 8-hour Ozone (1997) standard was revoked on April 6, 2015 and the 1-hour Ozone (1979) standard was revoked on June 15, 2005.

* The 1997 Primary Annual PM-2.5 NAAQS (level of 15 µg/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

[Important Notes](#)

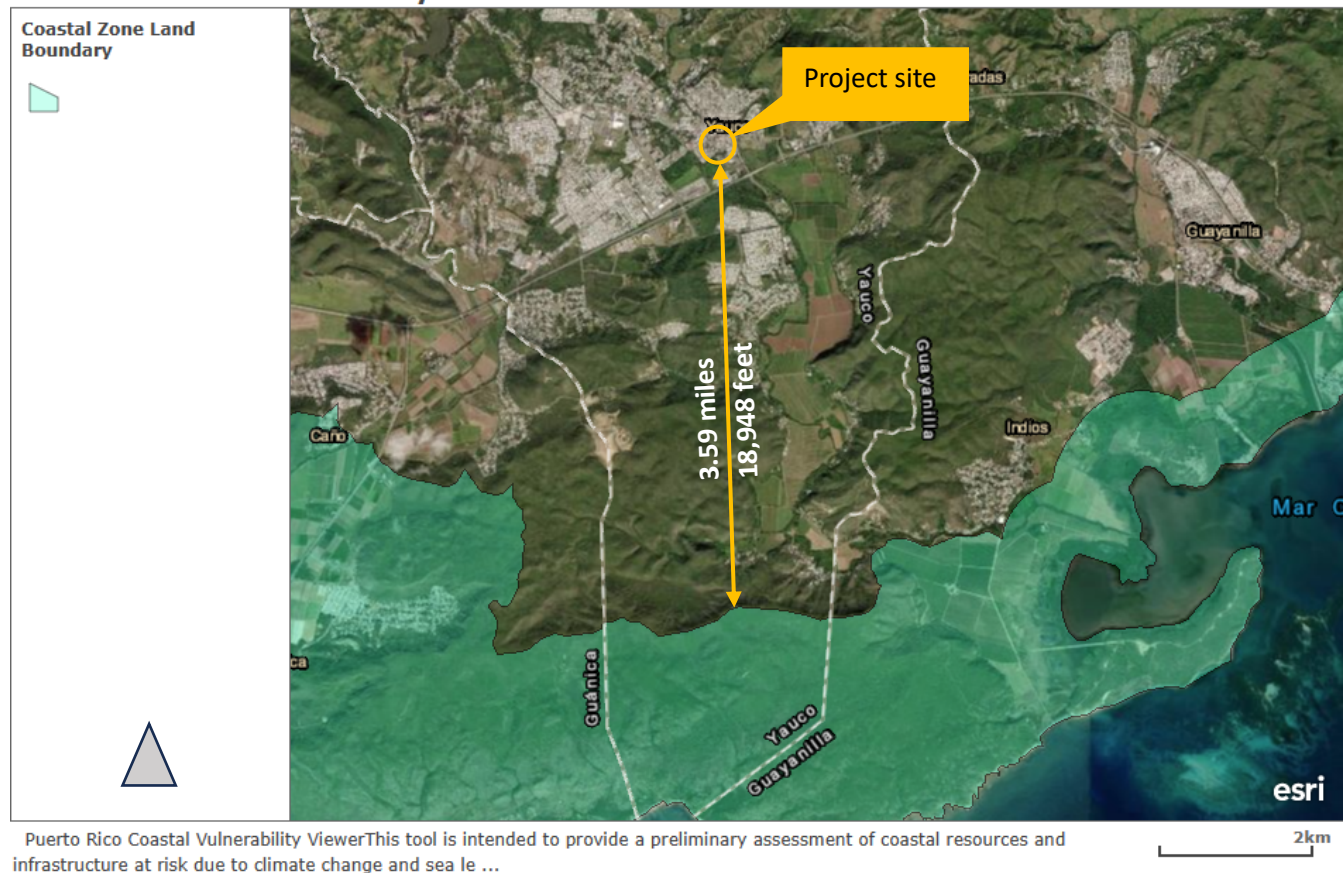
Download National Dataset: [dbf](#) | [xls](#) | [Data dictionary \(PDF\)](#)

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

[Important Notes](#)

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Puerto Rico Coastal Vulnerability Viewer



Earthstar Geographics | Esri, HERE, Garmin

Attachment 6: Coastal Zone

Project Nuevo Estacionamiento Plaza del Mercado y Centro Urbano, Municipality of Yauco, (PR-CRP-0001142)

Location: Comercio Street Yauco, PR (0018.03534545, -66.85207347)

Source: Puerto Rico Coastal Vulnerability Viewer

Website: [Puerto Rico Coastal Vulnerability Viewer \(arcgis.com\)](https://arcgis.com)

Author: Applied Engineering Group

Toxic and Contaminations



Attachment 7A: Toxics Map with 3,000 ft buffer

Project Nuevo Estacionamiento Plaza del Mercado y Centro Urbano, Municipality of Yauco, (PR-CRP-0001142)

Location: Comercio Street Yauco, PR (0018.03534545, -66.85207347)

Source: NEPassist

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

Author: Applied Engineering Group

ID	EPA Facility	Distance from Project Site	Direction from Project Site	Description	Compliance Status
1	RCRA	1,637 ft	NW	ESSO STANDARD OIL CO - PR CO-408	No violation
2	RCRA	789 ft	SE	ESSO STANDARD OIL CO PR 2P-397	No violation
3	CWA	400 ft	SE	Municipality of Yauco	Unknown
4	RCRA	823 ft	SE	PREPA - YAUCO TECHNICAL OPERATIONS OFFICE	No violation
5	CWA	2,600 ft	NW	SARTORIUS STEDIM FILTERS, INC. - MB	No violation
6	RCRA	2,800ft	NW	FARMACIA EL AMAL 36	No violation

Attachment 7B: EPA Contamination and Toxic Substances

Project Nuevo Estacionamiento Plaza del Mercado y Centro Urbano, Municipality of Yauco, (PR-CRP-0001142)

Location: Comercio Street Yauco, PR (0018.03534545, -66.85207347)

Source: EPA ECHO REPORTS

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

Prepared by: Applied Engineering Group

Attachment 7C ECHO Reports



Detailed Facility Report

Facility Summary

FARMACIA EL AMAL 36

YAUCO PLAZA LOCAL 8, YAUCO, PR 00698

FRS (Facility Registry Service) ID: 110006537738

EPA Region: 02

Latitude: 18.039838

Longitude: -66.860094

Locational Data Source: RCRAINFO

Industries: --

Indian Country: N

Enforcement and Compliance Summary

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

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Active VSQG, (PRR000013847)

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		110006537738					N	18.039838	-66.860094
RCRAInfo	RCRA	PRR000013847	VSQG	Active (H)			N	18.039838	-66.860094

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110006537738	FARMACIA EL AMAL 36	YAUCO PLAZA LOCAL 8, YAUCO, PR 00698	Yauco Municipio

RCRAInfo	RCRA	PRR000013847	FARMACIA EL AMAL 36	YAUCO PLAZA LOCAL 8, YAUCO, PR 00698	Yauco Municipio
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Facility SIC (Standard Industrial Classification) Codes

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	SIC Code	SIC Description	System	Identifier	NAICS Code	NAICS Description
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
RCRA	PRR000013847	No	04/19/2025	0	04/18/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRR000013847)		07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation											
	Agency											

Informal Enforcement Actions

Last 5 Years

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

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

Formal Enforcement Actions

Last 5 Years

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

Environmental Conditions

Watersheds

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

Assessed Waters From Latest State Submission (ATTAINS)

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

Air Quality Nonattainment Areas

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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	10,461	Children 5 years and younger	439 (4%)
Population Density	3,358/sq.mi.	Minors 17 years and younger	1,876 (18%)
Housing Units in Area	5,680	Adults 18 years and older	8,587 (82%)
Percent People of Color	99%	Seniors 65 years and older	2,318 (22%)
Households in Area	3,768		
Households on Public Assistance	481	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	8,020	White	7,413 (71%)
Percent With Low Income	77%	African-American	0 (0%)
		Hispanic-Origin	10,392 (99%)
		Asian	0 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	24 (0%)
		Other/Multiracial	1,703 (16%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	949 (12.32%)
Center Latitude	18.039838	9th through 12th Grade	397 (5.15%)
Center Longitude	-66.860094	High School Diploma	2,691 (34.92%)
Total Area	--	Some College/2-year	720 (9.34%)
Land Area	100%	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,354 (30.55%)
Water Area	0%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	1,628 (43.25%)		
\$15,000 - \$25,000	723 (19.21%)		
\$25,000 - \$50,000	908 (24.12%)		
\$50,000 - \$75,000	334 (8.87%)		
Greater than \$75,000	171 (4.54%)		



Detailed Facility Report

Facility Summary

SARTORIUS STEDIM FILTERS, INC. - MB

PR 128, YAUCO, PR 00698

FRS (Facility Registry Service) ID: 110070033311

EPA Region: 02

Latitude: 18.039588

Longitude: -66.859028

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)	2
Qtrs with Significant Violation	2
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 (PRR053326)

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		110070033311					N	18.039588	-66.859028
ICIS-NPDES	CWA	PRR053326	Non-Major: General Permit Covered Facility	Effective	Industrial Stormwater	02/28/2026	N	18.039864	-66.859379

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110070033311	SARTORIUS STEDIM FILTERS, INC. - MB	PR 128, YAUCO, PR 00698	
ICIS-NPDES	CWA	PRR053326	SARTORIUS STEDIM FILTERS, INC. - MB	PR 128, YAUCO, PR 00698	Yauco Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
ICIS-NPDES	PRR053326	2823	Cellulosic Manmade Fibers
ICIS-NPDES	PRR053326	3081	Unsupported Plastics Film & Sheet
ICIS-NPDES	PRR053326	3089	Plastics Products

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
No data records returned			

Facility Industrial Effluent Guidelines

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

Facility Tribe Information

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

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

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

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CWA	PRR053326	No	12/31/2024	2	04/18/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
CWA (Source ID: PRR053326)		01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24
	Facility-Level Status	Significant/Category I Noncompliance	Significant/Category I Noncompliance	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Quarterly Noncompliance Report History	Failure to Report DMR - Not Received	Failure to Report DMR - Not Received	Resolved	Resolved							
	Late or Missing Discharge Monitoring Report (DMR) Measurements											
	Counts of Late DMR Measurements		4								12	

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 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?
210100040202	Rio Yauco at mouth	RIO YAUCO	No	No	Chemical Oxygen Demand (COD) Oxygen, dissolved (DO) Phosphorus, total (as P)	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	PRSR68A1	RIO YAUCO	Impaired - 303(d) Listed - With Restoration Plan	NUTRIENTS ORGANIC ENRICHMENT/OXYGEN DEPLETION PATHOGENS	Not Supporting	Not Supporting	--	Not Supporting	--

Air Quality Nonattainment Areas

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

Pollutants

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

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

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

Chemical Name
No data records returned

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

DMR and TRI Multi-Year Loading Report

NPDES ID	Description
No data records returned	

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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



Detailed Facility Report

Facility Summary

PREPA – YAUCO TECHNICAL OPERATIONS OFFICE

49 MATIENZO CINTRO ST INT PR-116, YAUCO, PR 00698

FRS (Facility Registry Service) ID: 110004891467

EPA Region: 02

Latitude: 18.032723

Longitude: -66.851437

Locational Data Source: FRS

Industries: Utilities

Indian Country: N

Enforcement and Compliance Summary

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

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Active VSQG, (PRR000000331)

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		110004891467					N	18.032723	-66.851437
RCRAInfo	RCRA	PRR000000331	VSQG	Active (H)			N	18.03281	-66.852267

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004891467	PREPA - YAUCO TECHNICAL OPERATIONS OFFICE	49 MATIENZO CINTRO ST INT PR-116, YAUCO, PR 00698	Yauco Municipio

RCRAInfo	RCRA	PRR000000331	LUMA - YAUCO DISTRICT OFFICE LINES	49 MATIENZO CINTRO ST INT PR 116, YAUCO, PR 00698	Yauco Municipio
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Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
RCRAInfo	PRR000000331	22112	Electric Power Transmission, Control, and Distribution

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	PRR000000331	No	04/19/2025	0	04/18/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA	(Source ID: PRR000000331)	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency										

Informal Enforcement Actions

Last 5 Years

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

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

Formal Enforcement Actions

Last 5 Years

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

Environmental Conditions

Watersheds

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

Assessed Waters From Latest State Submission (ATTAINS)

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

Air Quality Nonattainment Areas

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

Pollutants

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

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

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

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	9,749	Children 5 years and younger	456 (5%)
Population Density	3,127/sq.mi.	Minors 17 years and younger	2,030 (21%)
Housing Units in Area	5,140	Adults 18 years and older	7,718 (79%)
Percent People of Color	100%	Seniors 65 years and older	2,008 (21%)
Households in Area	3,376		
Households on Public Assistance	415	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	7,320	White	6,702 (69%)
Percent With Low Income	76%	African-American	0 (0%)
		Hispanic-Origin	9,704 (100%)
		Asian	0 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	40 (0%)
		Other/Multiracial	1,663 (17%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	745 (10.99%)
Center Latitude	18.032723	9th through 12th Grade	292 (4.31%)
Center Longitude	-66.851437	High School Diploma	2,304 (34%)
Total Area	--	Some College/2-year	736 (10.86%)
Land Area	100%	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,139 (31.56%)
Water Area	0%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	1,466 (43.44%)		
\$15,000 - \$25,000	527 (15.61%)		
\$25,000 - \$50,000	895 (26.52%)		
\$50,000 - \$75,000	304 (9.01%)		
Greater than \$75,000	183 (5.42%)		



Detailed Facility Report

Facility Summary

MUNICIPALITY OF YAUCO

SANTIAGO BIBALDI STREET, YAUCO, PR 00698

FRS (Facility Registry Service) ID: 110044243850

EPA Region: 02

Latitude: 18.03403

Longitude: -66.85037

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	09/19/2011
Compliance Status	Unknown
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): Non-Major, Permit Expired; Compliance Tracking Partially Off (PRR040077)

Resource Conservation and Recovery Act (RCRA): No Information

Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details

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

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110044243850					N	18.03403	-66.85037
ICIS-NPDES	CWA	PRR040077	Non-Major: General Permit Covered Facility	Expired; Compliance Tracking Partially Off	Urban Stormwater (Small MS4)	06/30/2021	N	18.03405	-66.84792

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110044243850	MUNICIPALITY OF YAUCO	SANTIAGO BIBALDI STREET, YAUCO, PR 00698	

ICIS-NPDES	CWA	PRR040077	MUNICIPALITY OF YAUCO	SANTIAGO BIBALDI STREET, YAUCO, PR 00698	Yauco Municipio
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Facility SIC (Standard Industrial Classification) Codes

Facility NAICS (North American Industry Classification System) Codes

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

No data records returned

Facility Industrial Effluent Guidelines

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

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

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CWA	PRR040077	No	12/31/2024	0	04/18/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
CWA (Source ID: PRR040077)		01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24
	Facility-Level Status	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
	Quarterly Noncompliance Report History	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined

Informal Enforcement Actions

Last 5 Years

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

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

Formal Enforcement Actions

Last 5 Years

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

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
210100040202	Rio Yauco at mouth	--	No	No	--	Yes

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
PR	2024	PRSR68A1	RIO YAUCO	Impaired - 303(d) Listed - With Restoration Plan	NUTRIENTS ORGANIC ENRICHMENT/OXYGEN DEPLETION PATHOGENS	Not Supporting	Not Supporting	--	Not Supporting	--

Air Quality Nonattainment Areas

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

Pollutants

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

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

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

Chemical Name
No data records returned

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

DMR and TRI Multi-Year Loading Report

NPDES ID	Description
No data records returned	

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	8,477	Children 5 years and younger	429 (5%)
Population Density	2,719/sq.mi.	Minors 17 years and younger	1,745 (21%)
Housing Units in Area	4,609	Adults 18 years and older	6,733 (79%)
Percent People of Color	100%	Seniors 65 years and older	1,775 (21%)
Households in Area	2,944		
Households on Public Assistance	384	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	6,402	White	5,853 (69%)
Percent With Low Income	76%	African-American	0 (0%)
		Hispanic-Origin	8,432 (99%)
		Asian	0 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	35 (0%)
		Other/Multiracial	1,414 (17%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	693 (11.75%)
Center Latitude	18.03403	9th through 12th Grade	283 (4.8%)
Center Longitude	-66.85037	High School Diploma	1,973 (33.46%)
Total Area	--	Some College/2-year	674 (11.43%)
Land Area	100%	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,799 (30.51%)
Water Area	0%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	1,328 (45.15%)		
\$15,000 - \$25,000	433 (14.72%)		
\$25,000 - \$50,000	789 (26.83%)		
\$50,000 - \$75,000	247 (8.4%)		
Greater than \$75,000	144 (4.9%)		



Detailed Facility Report

Facility Summary

ESSO STANDARD OIL CO PR 2P-397

36 25 DE JULIO ST, YAUCO, PR 00698

FRS (Facility Registry Service) ID: 110012259616

EPA Region: 02

Latitude: 18.03339

Longitude: -66.8504

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): Active VSQG, (PRR000014233)

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		110012259616					N	18.03339	-66.8504
RCRAInfo	RCRA	PRR000014233	VSQG	Active (H)			N	18.033401	-66.850453

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110012259616	ESSO STANDARD OIL CO PR 2P-397	36 25 DE JULIO ST, YAUCO, PR 00698	Yauco Municipio

RCRAinfo	RCRA	PRR000014233	ESSO STANDARD OIL CO PR 2P-397	36 25 DE JULIO ST, YAUCO, PR 00698	Yauco Municipio
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Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
No data records returned			

Facility Tribe Information

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

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

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

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRR000014233	No	04/19/2025	0	04/18/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRR000014233)		07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation											
	Agency											

Informal Enforcement Actions

Last 5 Years

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

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

Formal Enforcement Actions

Last 5 Years

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

Environmental Conditions

Watersheds

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

Assessed Waters From Latest State Submission (ATTAINS)

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

Air Quality Nonattainment Areas

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

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

Pollutants

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

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

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

Chemical Name
No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	8,881	Children 5 years and younger	436 (5%)
Population Density	2,848/sq.mi.	Minors 17 years and younger	1,834 (21%)
Housing Units in Area	4,753	Adults 18 years and older	7,047 (79%)
Percent People of Color	100%	Seniors 65 years and older	1,848 (21%)
Households in Area	3,073		
Households on Public Assistance	387	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	6,676	White	6,099 (69%)
Percent With Low Income	76%	African-American	0 (0%)
		Hispanic-Origin	8,837 (100%)
		Asian	0 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	37 (0%)
		Other/Multiracial	1,496 (17%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	705 (11.43%)
Center Latitude	18.03339	9th through 12th Grade	283 (4.59%)
Center Longitude	-66.8504	High School Diploma	2,071 (33.58%)
Total Area	--	Some College/2-year	692 (11.22%)
Land Area	100%	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,905 (30.89%)
Water Area	0%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	1,365 (44.42%)		
\$15,000 - \$25,000	452 (14.71%)		
\$25,000 - \$50,000	833 (27.11%)		
\$50,000 - \$75,000	266 (8.66%)		
Greater than \$75,000	157 (5.11%)		



Detailed Facility Report

Facility Summary

ESSO STANDARD OIL CO - PR CO-408
PR-116 CRUCE CUATRO CALLES, YAUCO, PR 00698
FRS (Facility Registry Service) ID: 110004892215
EPA Region: 02
Latitude: 18.032355
Longitude: -66.852698
Locational Data Source: RCRAINFO
Industries: --
Indian Country: N

Enforcement and Compliance Summary

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

Regulatory Information

Clean Air Act (CAA): No Information
Clean Water Act (CWA): No Information
Resource Conservation and Recovery Act (RCRA): Active VSQG, (PRR000002501)
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		110004892215					N	18.032355	-66.852698
ICIS		600007637					N	18.0375	-66.841667
RCRAInfo	RCRA	PRR000002501	VSQG	Active (H)			N	18.032355	-66.852698

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
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FRS		110004892215	ESSO STANDARD OIL CO - PR CO-408	PR-116 CRUCE CUATRO CALLES, YAUCO, PR 00698	Yauco Municipio
ICIS		600007637	ESSO S/S #408	RD. 4 YAUCO SHOPPING CTR, YAUCO, PR 00698	Yauco Municipio
RCRAInfo	RCRA	PRR000002501	ESSO STANDARD OIL CO - PR CO-408	CARR 116 CRUCE CUATRO CALLES, YAUCO, PR 00698	Yauco Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
No data records returned			

Facility Tribe Information

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

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

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

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRR000002501	No	04/19/2025	0	04/18/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRR000002501)		07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency										

Informal Enforcement Actions

Last 5 Years

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

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

Formal Enforcement Actions

Last 5 Years

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

Environmental Conditions

Watersheds

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

Assessed Waters From Latest State Submission (ATTAINS)

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

Air Quality Nonattainment Areas

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

Pollutants

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

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

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

Chemical Name
No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))		Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Total Persons	10,470	Children 5 years and younger	476 (5%)
Population Density	3,358/sq.mi.	Minors 17 years and younger	2,198 (21%)
Housing Units in Area	5,495	Adults 18 years and older	8,273 (79%)
Percent People of Color	100%	Seniors 65 years and older	2,142 (20%)
Households in Area	3,636		
Households on Public Assistance	443	Race Breakdown (ACS (American Community Survey)) - Persons (%)	
Persons With Low Income	7,879	White	7,234 (69%)
Percent With Low Income	76%	African-American	0 (0%)
		Hispanic-Origin	10,424 (100%)
		Asian	0 (0%)
		Hawaiian/Pacific Islander	0 (0%)
		American Indian	42 (0%)
		Other/Multiracial	1,793 (17%)
Geography		Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Radius of Selected Area	1 mi.	Less than 9th Grade	788 (10.79%)
Center Latitude	18.032355	9th through 12th Grade	299 (4.1%)
Center Longitude	-66.852698	High School Diploma	2,513 (34.42%)
Total Area	--	Some College/2-year	777 (10.64%)
Land Area	100%	B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,337 (32.01%)
Water Area	0%		
Income Breakdown (ACS (American Community Survey)) - Households (%)			
Less than \$15,000	1,562 (43.01%)		
\$15,000 - \$25,000	600 (16.52%)		
\$25,000 - \$50,000	933 (25.69%)		
\$50,000 - \$75,000	332 (9.14%)		
Greater than \$75,000	205 (5.64%)		

Attachment 7D Asbestos and Lead-Based Paint Reports

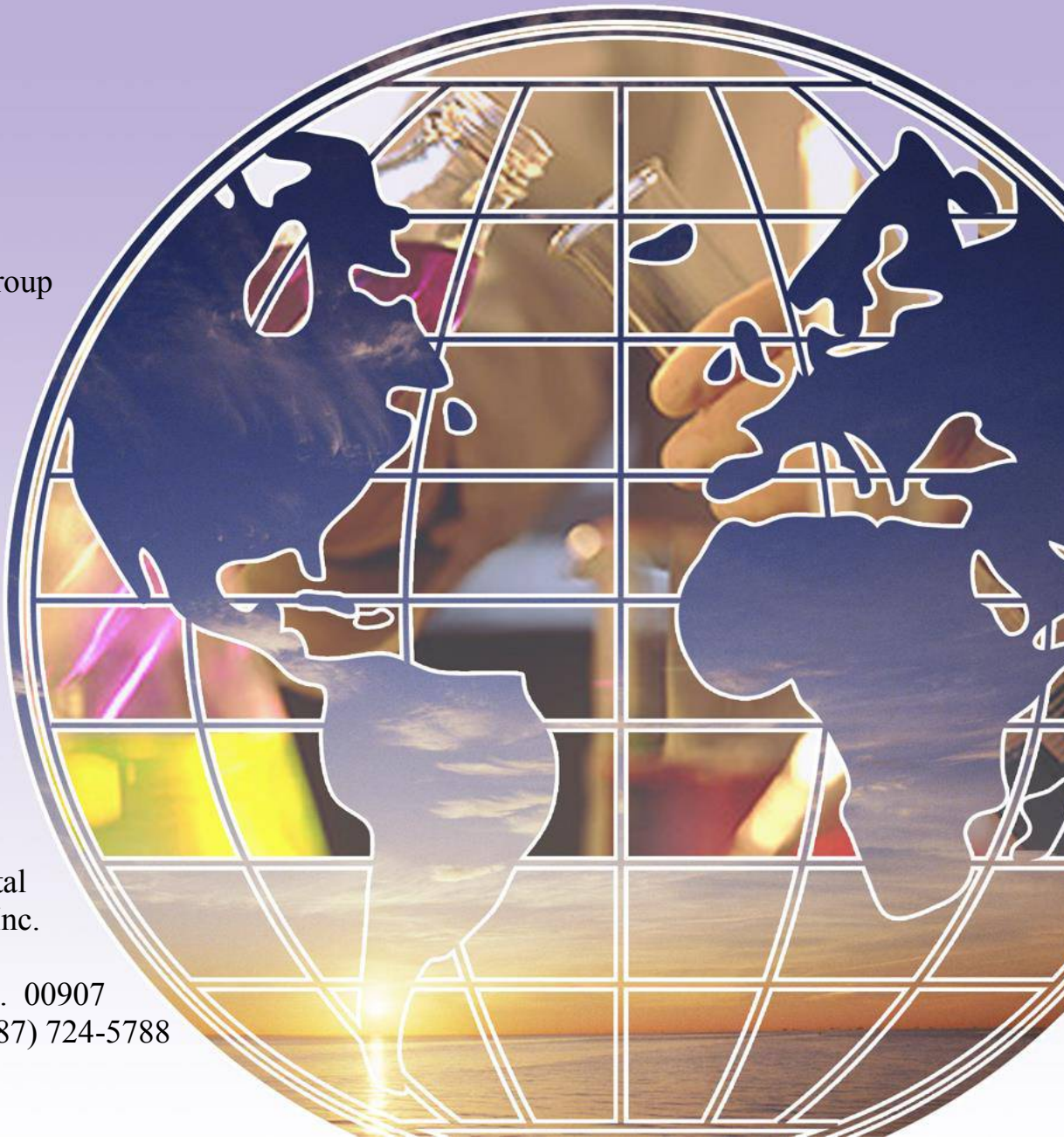


**ENVIRONMENTAL SURVEY
FOR
LEAD BASED PAINT (LBP)
AND
ASBESTOS CONTAINING MATERIALS (ACM)
FOR
NEW PARKING OF YAUCO MARKET SQUARE AND URBAN CENTER
YAUCO, PUERTO RICO**

Prepared For:
Applied Engineering Group

February 2024

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LEAD



TABLE OF CONTENTS

I. SUMMARY

1.0 INTRODUCTION

2.0 TESTING PROCEDURES

3.0 LEAD BASED PAINT TESTING METHODOLOGY

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5.0 CONCLUSIONS

APPENDIX I - AESI Credentials

APPENDIX II - PCS Data Sheet

APPENDIX III - XRF Data

APPENDIX IV - Site Location and Selective Photos

I. SUMMARY

AES International was contracted by Applied Engineering to perform a Lead Based Paint (LBP) survey for the New Parking of Yauco Market Square and Urban Center (PR-CRP-001142) located in Comercio Street (PR-376), Yauco, Puerto Rico 00698.

The LBP investigation was conducted on 02/14/2024 by Abraham Rodriguez, a certified DRNA Lead Inspector. The following components were found to be painted with LBP:

Structure/Room	Components	Substrate	Color	Quantity
<u>Public Parking</u>				
Parking Area	Curb	Concrete	Yellow	340 sq. ft.
	Concrete Pad (North)	Concrete	Yellow	9 sq. ft.

If demolition, or renovation activities, are conducted in the nearest future it is recommended to establish a lead hazard control strategy that will account for the potential LBP risks present in the facility.

1.0 INTRODUCTION

A survey for Lead Based Paint (LBP) was conducted by Analytical Environmental Services International, Inc. (AES International) for the New Parking of Yauco Market Square and Urban Center (PR-CRP-001142) located in Comercio Street (PR-376), Yauco, Puerto Rico 00698.

The LBP investigation was conducted on 02/14/2024 by Abraham Rodriguez, a certified DRNA Lead Inspector. The credentials of AESI are attached in Appendix I. The survey was performed with an XRF instrument Model Pb200i (3115) manufactured by Heuresis. The survey was conducted using HUD protocol of 1997, revised in 2012.

2.0 TESTING PROCEDURES

The testing was performed with an XRF instrument manufactured by Heuresis, Model Pb200i (see PCS in Appendix II). The selected mode allows reference to the abatement level set at 1.0 mg/cm². The results are reported at 95% confidence levels.

3.0 LEAD BASED PAINT TESTING METHODOLOGY

The hazard level of lead in paint has been determined by the department of Housing & Urban development as 1.0 mg/cm², as measured by XRF, or AAS (Atomic Absorption Spectroscopy), or 0.5% by weight (or 5,000 ppm) as measured by AAS, or Inductive Coupled Plasma (ICP). The same level was adopted by EPA regulations published in 1992, under Title X.

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

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

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

AES International personnel classify each XRF lead reading as positive, negative, or inconclusive. This classification is based on manufacturer XRF performance characteristic sheet (PCS), for each substrate. Samples and/or additional readings are taken from inconclusive areas. Calibration verification of the instrument was performed prior to beginning of daily task, when the instrument was turned on, and at the end of the day. The verification was conducted on a NIST standard of 1.0 mg/cm². Acceptance criteria used was ± 0.2 mg/cm². The data for calibration verification is attached in Appendix III.

One testing combination of similar components were tested for each area equivalent.

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

4.0 RESULTS

4.1 Results of XRF Inspection

The results of the tested components are shown in Appendix III. Sixteen (16) XRF readings were taken. LBP components were found and presented herein. Selective photos are shown in Appendix IV.

5.0 CONCLUSIONS

An LBP survey was conducted for the New Parking of Yauco Market Square and Urban Center (PR-CRP-001142) located in Comercio Street (PR-376), Yauco, Puerto Rico. LBP findings were presented herein.

Some painted surfaces may contain levels of lead below 1.0 mg/cm², which could create lead dust, or lead contaminated soil hazards if the paint is turned into dust by abrasion, scraping, or sanding.

The LBP survey relates to surfaces accessible and not covered by rigid barriers. Should any hidden surfaces or components be present, they must be assumed to be painted with LBP. Reported results are valid for the day of testing indicated in the reports. According to DNRA the LBP study is valid for a period of five years.



Abraham Rodriguez
DRNA Lead Inspector
Lic#: LBPI-33923-413

**Table 1. Summary of LBP Positive Components at Estacionamiento Urbano”
(PR-CRP-001142) located in Yauco, Puerto Rico 00698**

Structure/Room	Components	Substrate	Color	Quantity
<u>Public Parking</u>				
Parking Area	Curb	Concrete	Yellow	340 sq. ft.
	Concrete Pad (North)	Concrete	Yellow	9 sq. ft.

Appendix I





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

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

LABORATORY ACCREDITATION PROGRAMS

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

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

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

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

United States Environmental Protection Agency

This is to certify that



AES International, Inc.

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

In the Jurisdiction of:

All EPA Administered States, Tribes, and Territories

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

NAT-87801-3

Certification #

September 04, 2020

Issued On



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

Michelle Price, Chief

Lead, Heavy Metals, and Inorganics Branch



GOBIERNO DE PUERTO RICO

Departamento de Recursos Naturales y Ambientales

Este certificado es otorgado a:

Analytical Environmental Services International (AESI)

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

Número de Certificado

LBPF-07323-012

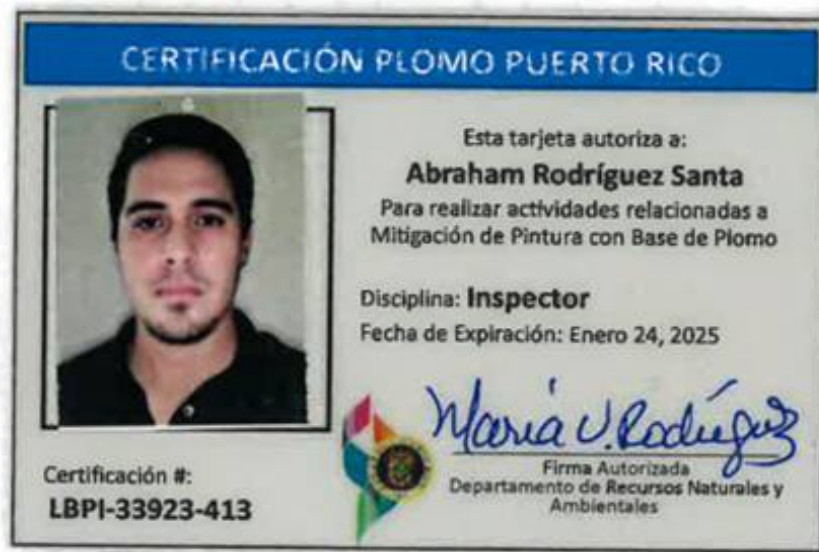
Fecha de emisión: Abril 6, 2023

Fecha de Expiración: Abril 5, 2024



José Roque Juliá
Jefe
División Desperdicios Tóxicos

DRNA Lead Inspector Credentials



Appendix II



Performance Characteristic Sheet

EFFECTIVE DATE: December 1, 2015

MANUFACTURER AND MODEL:

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

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Action Level mode

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm ² (inclusive)

SUBSTRATE CORRECTION:

Not applicable

INCONCLUSIVE RANGE OR THRESHOLD:

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

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

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

OPERATING PARAMETERS

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

XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm² in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm² film).

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

SUBSTRATE CORRECTION VALUE COMPUTATION:

Chapter 7 of the HUD Guidelines provides guidance on correcting XRF results for substrate bias. Supplemental guidance for using the paint film nearest 1.0 mg/cm² for substrate correction is provided:

XRF results are corrected for substrate bias by subtracting from each XRF result a correction value determined separately in each house for single-family housing or in each development for multifamily housing, for each substrate. The correction value is an average of XRF readings taken over the NIST SRM paint film nearest to 1.0 mg/cm² at test locations that have been scraped bare of their paint covering. Compute the correction values as follows:

Using the same XRF instrument, take three readings on a bare substrate area covered with the NIST SRM paint film nearest 1 mg/cm². Repeat this procedure by taking three more readings on a second bare substrate area of the same substrate covered with the NIST SRM.

Compute the correction value for each substrate type where XRF readings indicate substrate correction is needed by computing the average of all six readings as shown below.

For each substrate type (the 1.02 mg/cm² NIST SRM is shown in this example; use the actual lead loading of the NIST SRM used for substrate correction):

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

Repeat this procedure for each substrate requiring substrate correction in the house or housing development.

EVALUATING THE QUALITY OF XRF TESTING:

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

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

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

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

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

Square the average for each testing combination.

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

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

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

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

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

Compute the average of all ten original XRF readings.

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

Find the absolute difference of the two averages.

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

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

TESTING TIMES:

In the Action Level paint test mode, the instrument takes the longest time to complete readings close to the Federal standard of 1.0 mg/cm². The table below shows the mean and standard deviation of actual reading times by reading level for paint samples during the November 2015 archive testing. The tested instruments reported readings to one decimal place. No significant differences in reading times by substrate were observed. These times apply only to instruments with the same source strength as those tested (2.0 mCi). Instruments with stronger sources will have shorter reading times and those with weaker sources, longer reading times, than those in the table.

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

CLASSIFICATION OF RESULTS:

XRF results are classified as **positive** if they are **greater than or equal** to the stated threshold for the instrument (1.0 mg/cm²), and *negative* if they are *less than* the threshold.

DOCUMENTATION:

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

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

Appendix III



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

LEAD BASED PAINT TESTING DATA SHEET

Client Name: Applied Engineering
Project Name: LBP Survey for Yauco Urban Center Parking Lot
Address: Yauco, Puerto Rico

Date: 2/14/24
Inspector: Abraham Rodriguez
XRF Serial No.: 3115

Reading #	Building	Room	Substrate	Color	Component & Location	XRF Reading (mg/cm ²)	Laboratory Result (% or mg/cm ²)
1					Calibration	1.0	
2					Calibration	1.0	
3					Calibration	1.1	
4	Public Parking	Main Entrance	Metal	Gray	Fence	0.2	
5	Public Parking	Main Entrance	Concrete	Brown	Fence Base Outside	0.1	
6	Public Parking	Main Entrance	Concrete	White	Fence Base Inside	0.1	
7	Public Parking	Parking Area	Metal	Yellow	Fence Rails	0.0	
8	Public Parking	Parking Area	Concrete	Yellow	Curb	2.5	
9	Public Parking	Parking Area	Concrete	Yellow	Curb	3.0	
10	Public Parking	Parking Area	Concrete	Yellow	Well Steps on Grass	0.2	
11	Public Parking	Parking Area	Concrete	White	Poles	0.1	
12	Public Parking	Main Entrance	Concrete	Yellow	Curb	0.1	
13	Public Parking	Main Entrance	Concrete	White	Curb	0.2	
14	Public Parking	Main Entrance	Asphalt	White	Street Line	0.1	
15	Public Parking	Main Entrance	Wood	Yellow	Pole	0.3	

Approved By: Ady Padan Ph.D.

Date: 2/14/2024

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

LEAD BASED PAINT TESTING DATA SHEET

Client Name: Applied Engineering
Project Name: LBP Survey for Yauco Urban Center Parking Lot
Address: Yauco, Puerto Rico

Date: 2/14/24
Inspector: Abraham Rodriguez
XRF Serial No.: 3115

Reading #	Building	Room	Substrate	Color	Component & Location	XRF Reading (mg/cm ²)	Laboratory Result (% or mg/cm ²)
16	Public Parking	Main Entrance	Concrete	Black	Electrical Pole	0.2	
17	Public Parking	Parking Area	Concrete	Yellow	Pad on Floor (North)	1.2	
18	Public Parking	Parking Area	Metal	Green	Gate (Northwest)	0.2	
19	Public Parking	Parking Area	Concrete	Cream	Fence (Northwest)	0.2	
20	Public Parking	Parking Area	Metal	Cream	Bridge Handrail (Southeast)	0.1	
21					Calibration	1.0	
22					Calibration	1.0	
22					Calibration	1.0	
RE-TESTING							
23	Public Parking	Main Entrance	Concrete	White	Pole	0.1	
24	Public Parking	Main Entrance	Concrete	Yellow	Curb	0.1	
25	Public Parking	Main Entrance	Concrete	White	Curb	0.2	
26	Public Parking	Main Entrance	Asphalt	White	Street Line	0.1	
27	Public Parking	Main Entrance	Wood	Yellow	Pole	0.3	
28	Public Parking	Main Entrance	Concrete	Black	Electrical Pole	0.2	

Approved By: Ady Padan Ph.D.

Date: 2/14/2024

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

LEAD BASED PAINT TESTING DATA SHEET

Client Name: Applied Engineering
Project Name: LBP Survey for Yauco Urban Center Parking Lot
Address: Yauco, Puerto Rico

Date: 2/14/24
Inspector: Abraham Rodriguez
XRF Serial No.: 3115

Reading #	Building	Room	Substrate	Color	Component & Location	XRF Reading (mg/cm ²)	Laboratory Result (% or mg/cm ²)
29	Public Parking	Main Entrance	Concrete	Yellow	Pad on Floor (North)	1.2	
30	Public Parking	Main Entrance	Metal	Green	Gate (Northwest)	0.2	
31	Public Parking	Main Entrance	Concrete	Cream	Fence (Northwest)	0.2	
32	Public Parking	Main Entrance	Metal	Cream	Bridge Handrail (Southeast)	0.1	
33					Calibration	1.0	
34					Calibration	1.0	
35					Calibration	1.0	

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

Date: **2/14/2024**

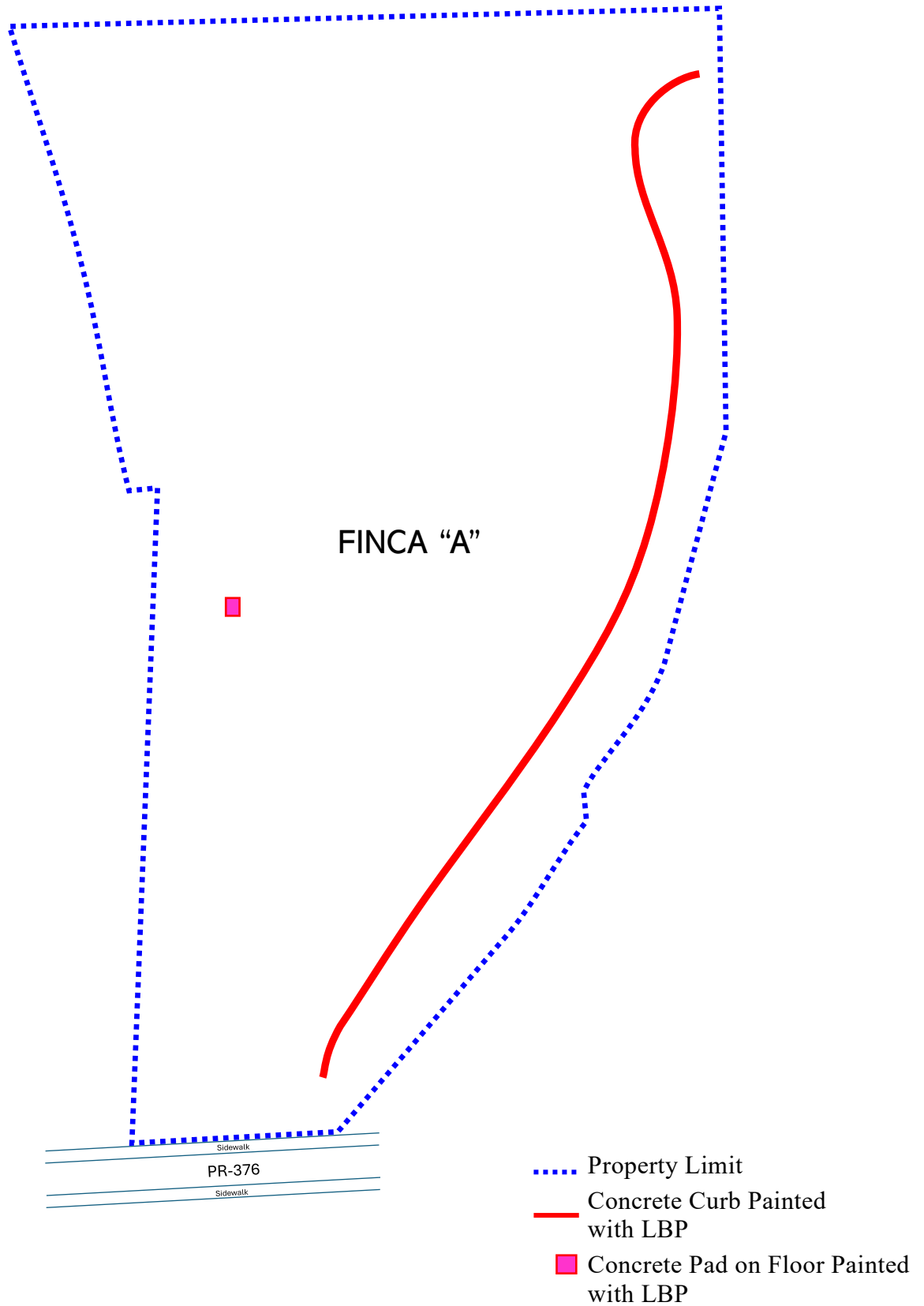
Appendix IV



**Site Location: New Parking of Yauco Market Square and Urban Center
(PR-CRP-001142) Yauco, Puerto Rico**



New Parking of Yauco Market Square and Urban Center Yauco, Puerto Rico



Selective Photos



General View
Parking Area



Parking Area
Concrete Curb Painted with
Yellow Lead Based Paint.

Selective Photos



Parking Area
Concrete Curb Painted with
Yellow Lead Based Paint.



Parking Area
Concrete Pad on Floor Painted
with Yellow Lead Based Paint.



ASBESTOS



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2.0 GENERAL BACKGROUND

3.0 PROJECT IDENTIFICATION/DESCRIPTION

4.0 METHODS OF BUILDING INSPECTIONS

5.0 SAMPLING METHODS

6.0 INSPECTION RESULTS AND CONCLUSIONS

7.0 CONCLUSIONS

APPENDIX I - AESI Certifications and Accreditations

APPENDIX II - Hazard Assessment

APPENDIX III - Site Location and General View Photo

I. SUMMARY

A survey for Asbestos Containing Materials (ACM) was conducted by Analytical Environmental Services International (AES International), Inc. for New Parking of Yauco Market Square and Urban Center (PR-CRP-001142) located in Comercio Street (PR-376), Yauco, Puerto Rico 00698.

The inspection was conducted on 02/14/2024 by Abraham Rodriguez, a DRNA/AHERA certified asbestos inspector.

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

1.0 INTRODUCTION

A survey for Asbestos Containing Materials (ACM) was conducted by Analytical Environmental Services International, Inc. (AES International) for New Parking of Yauco Market Square and Urban Center (PR-CRP-001142) located in Comercio Street (PR-376), Yauco, Puerto Rico 00698.

The survey was conducted on 02/14/2024 by Abraham Rodriguez, a DRNA/AHERA Certified Asbestos Building Inspector (see Appendix I for credentials). The inspection was scheduled to be performed based on a modified ASTM E2356-18 protocol, that included a visual inspection and collection of samples.

2.0 GENERAL BACKGROUND

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

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

Studies indicate different health effects resulting from exposure to chrysotile asbestos versus exposure to the amphibole form of asbestos. The later, which include tremolite, amosite, actinolite, anthophyllite and crocidolite have more significant health impact than chrysotile.

Some scientists cite studies concluding that is the size of the fibers deposited in the lungs that result in cancer. Long, thin fibers, greater than 8 microns in length and less than 0.25 microns in diameter show the highest potential of cancer development.

2.1 National Emission Standards for Hazardous Air Pollutants (NESHAP)

The EPA's rules concerning the application, removal, and disposal of ACM, as well as manufacturing, spraying and fabricating of ACM were issued under the asbestos NESHAP regulation (U.S. EPA National Emission Standards for Hazardous Air Pollutants, 40 CFR 61 Subpart M, October 30, 1987). The asbestos NESHAP regulation governs asbestos demolition and renovation projects in all facilities. The NESHAP rule usually requires owners or operators to have all friable ACM removed before the building is demolished and may require its removal before renovation. If friable ACM shall be disturbed, the NESHAP rule may require appropriate work practices, or procedures for emission control. The rule states that any ACM, which may become friable, poses a potential hazard that should be addressed.

A revised NESHAP ruling was released on November 20, 1990, effective February 20, 1991 which includes as the responsibility of the owner, or operator, to "prior to the commencement of the demolition or renovation, thoroughly inspect the affected facility or part of the facility where demolition or renovation operation will occur for the presence of asbestos, including Category I and Category II non-friable ACM." (40 CFR, Part 61, National Emission Standards for Hazardous Air Pollutants, Asbestos NESHAP Revision, Final Rule, November 20, 1990).

3.0 PROJECT IDENTIFICATION/DESCRIPTION

The Municipality of Yauco will revitalize the parking lot for Yauco Market Square and Urban Center located in Comercio Street (PR-376), Yauco, Puerto Rico 00698.

The project consists of the rehabilitation and improvement of the existing paved area. The actual parking is not well defined and lack of proper infrastructure. It will consist of a new parking layout to improve functionality, re-pavement, ADA improvements and parking spaces, verify conditions of the existing drainage system and make improvements accordingly, installation of illumination where it is needed and new access control measures, among others.

4.0 METHODS OF BUILDING INSPECTION

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

5.0 SAMPLING METHODS

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


6.0 INSPECTION RESULTS

Suspected materials were not observed during visual inspection.

7.0 CONCLUSIONS

A survey for ACM was conducted for New Parking of Yauco Market Square and Urban Center (PR-CRP-001142) located in Comercio Street (PR-376), Yauco, Puerto Rico. No suspected ACM were observed.

The ACM survey results does not include materials which are non-accessible, non-visible and may be present inside the walls, or covered by other materials. These materials must be assessed at the time of the disturbance and assumed as positive for the time being.


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

Appendix I



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

AES International

611 Monserrate

Santurce, PR 00907

Mr. Ady Padan

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

Email: yotal@bellsouth.net

<http://www.aesipr.org>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 200051-0

Bulk Asbestos Analysis

Code

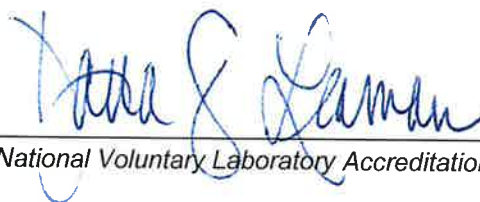
18/A01

Description

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

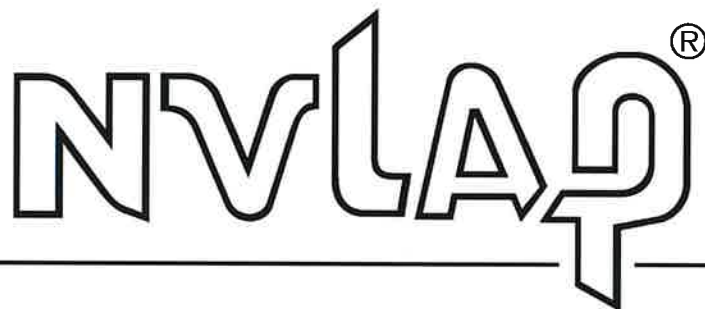
18/A03

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



For the National Voluntary Laboratory Accreditation Program

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200051-0

AES International

Santurce, PR

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

Asbestos Fiber Analysis

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

2024-01-01 through 2024-12-31

Effective Dates



A handwritten signature in blue ink, reading "Dana S. Laman".

For the National Voluntary Laboratory Accreditation Program

DRNA Asbestos Inspector Credentials

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

Appendix II



ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.

ASBESTOS SAMPLE INSPECTION FORM FOR PHYSICAL & HAZARD ASSESSMENTClient Name Applied EngineeringStructure: Parking LotProject Name: ACM Survey Yauco Urban Center Parking LotInspection Date: 2/14/2024Page: 1 of 1

Homogeneous Material Description		Material Category	Asbestos Content	Friability	Location of Materials	Asbestos Contents	Total Square Feet of ACM	AHERA Assessment Category (1-7, X, None)	Hazard Ranking (5-7)
I.D. Number	Material Description								
	No Suspected ACM were Observed								

Inspected by: Abraham RodriguezDate: 2/14/2024

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

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

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

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

None = No assessment category provided in original inspection.

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

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

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

Appendix III



**Site Location: New Parking of Yauco Market Square and Urban Center
(PR-CRP-001142) Yauco, Puerto Rico**

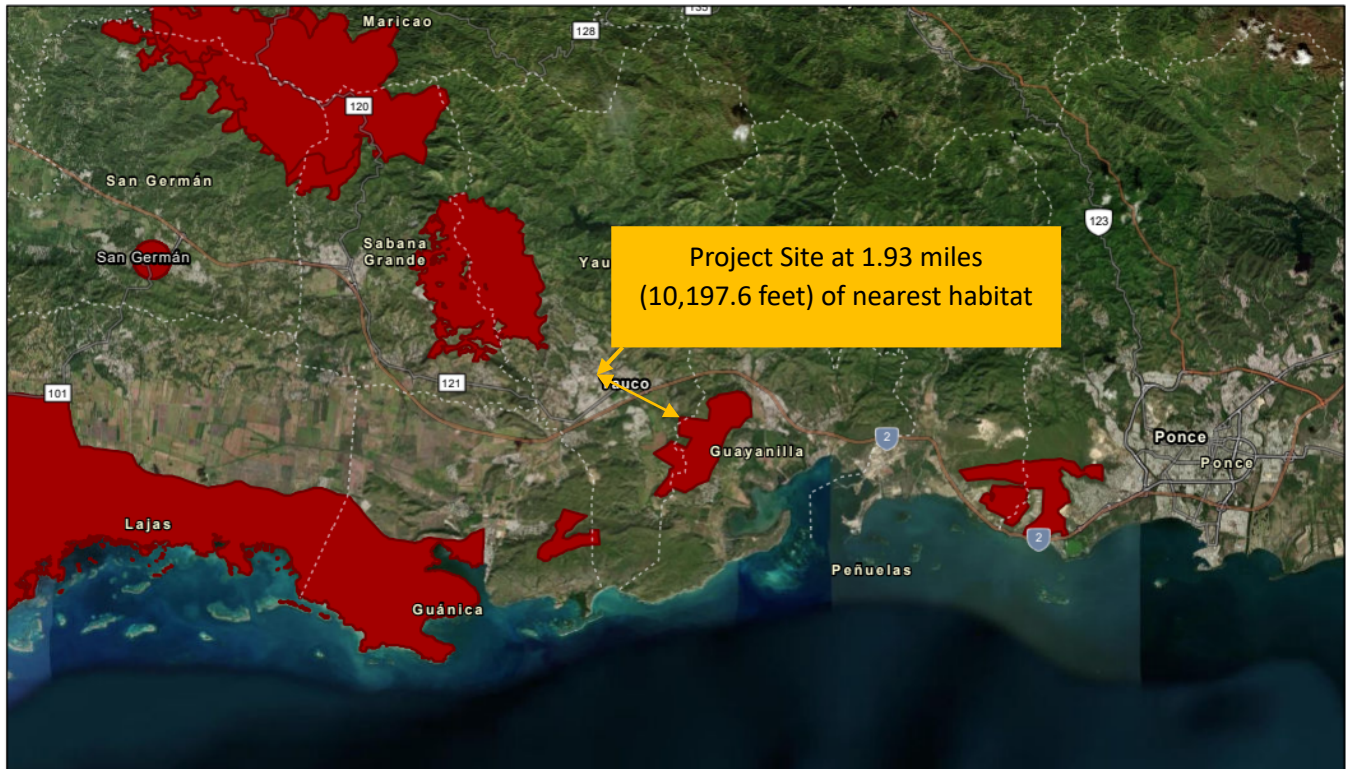


Selective Photos

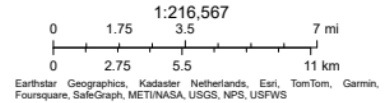


General View
Parking Area

Critical Habitats PR-CRP-0001142



4/19/2024



Attachment 8A: Critical Habitats

Project Nuevo Estacionamiento Plaza del Mercado y Centro Urbano, Municipality of Yauco, (PR-CRP-0001142)

Location: Comercio Street Yauco, PR (0018.03534545, -66.85207347)

Source: US National Park Services – Interactive Map of NPS Wild and Scenic Rivers

Website: https://www.arcgis.com/apps/mapviewer/index.html?url=https://services.arcgis.com/QVENGd aPbd4LUkLV/ArcGIS/rest/services/USFWS_Critical_Habitat/FeatureServer&source=sd

Author: Applied Engineering Group

Attachment 8B Blanket Clearance Letter



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Caribbean Ecological Services

Field Office

P.O. Box 491

Boqueron, PR 00622

JAN 14 2013

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

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

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

Dear Mr. Maldonado:

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

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

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

Project Criteria

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

Determination:

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

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

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

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

Water Crossing Structures:

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

the enclosed drawing of proper silt fence installation is included in all final project construction plans.

- f. Upon completion of a water crossing construction, any temporary fill, must be removed from the construction area and disposed in a landfill.

Limitations:

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

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

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

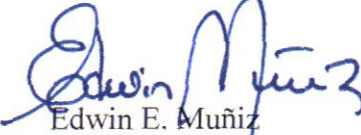
It is our mission to work with others, to conserve, protect and enhance fish wildlife and plants and their habitats for the continuing benefit of our people.

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

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

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

Sincerely yours,



Edwin E. Muñiz
Field Supervisor

Enclosures (Fact Sheets)

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



Ecological Services in the Caribbean

Caribbean Field Office

Project evaluation



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

Legal authorities:

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

Roles and Responsibilities:

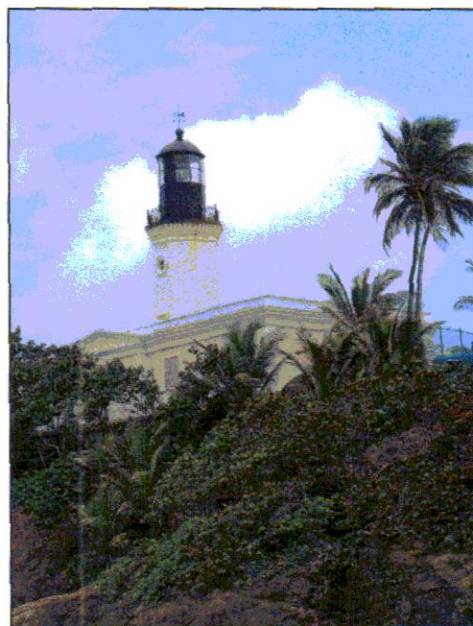
- Provide technical assistance to Federal and Commonwealth agencies to minimize possible impacts of land and water projects to our trust resources
 - *Wetlands and other aquatic habitats
 - *Endangered Species and their habitats
 - *Migratory Birds
 - *Critical Wildlife Areas
 - *Coastal Barriers
- Assist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

How do we assist others?

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

Minimum requirements for the evaluation of projects:

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



For more information:

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

Boquerón, PR 00622

<http://www.fws.gov>

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



Endangered Species Lists Using Web-based Tools

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

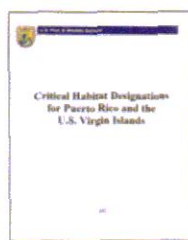
IPaC. The US Fish & Wildlife Service (USFWS) has a tool named IPaC. IPaC stands for Information, Planning, and Conservation. This system is designed for easy, public access to the natural resources information for which the USFWS has trust or regulatory responsibility. Examples include Threatened and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

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

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



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



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

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

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

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

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

For further information visit our national websites at:

<http://www.fws.gov>

<http://ecos.fws.gov>



U.S. Fish & Wildlife Service

Consultations with Federal Agencies

Section 7 of the Endangered Species Act

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

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

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

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

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



Photo Credit: USGS - Sargassum Project

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

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

What is the Service doing to facilitate the consultation process?

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

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

How does a consultation get started?

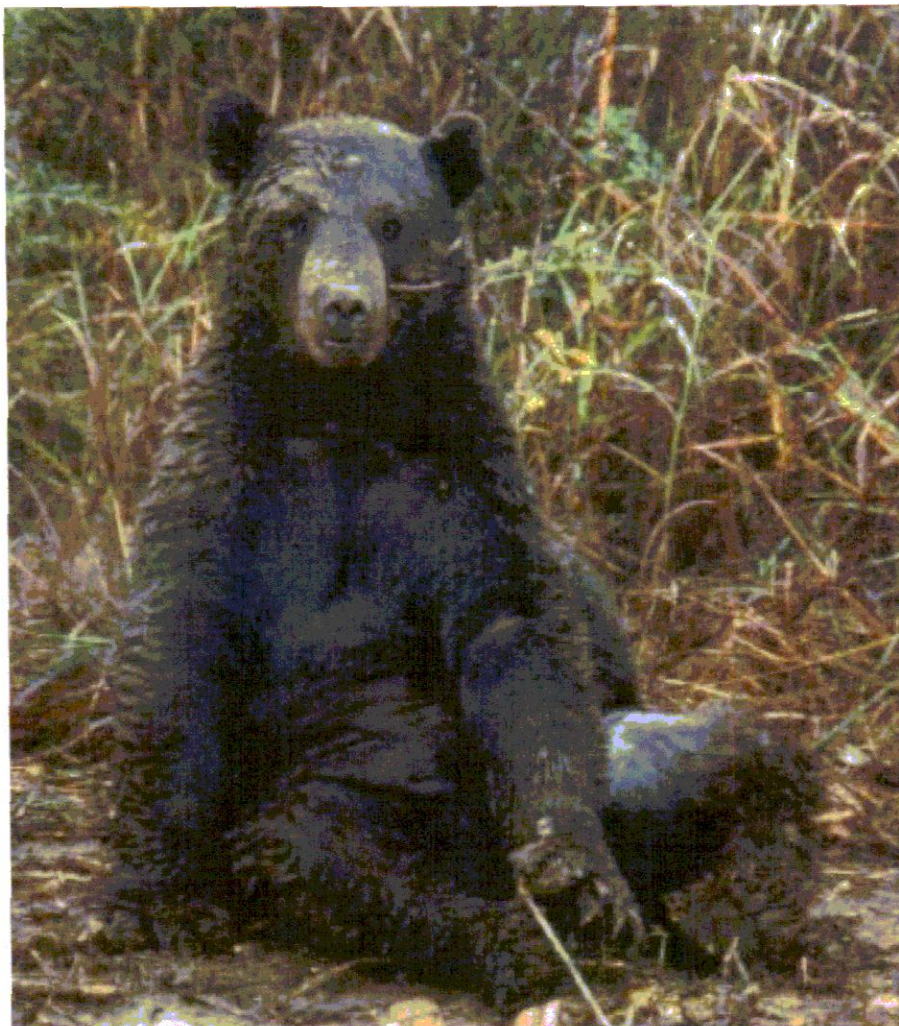
Early coordination is one of the most effective methods of (1) streamlining section 7 consultation, (2) reducing the need to make project modifications during the consultation process, and (3) improving the ability of section 7 to fulfill its role as a recovery tool. Federal agencies, applicants, and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

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

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

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

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



Dan Anderson/USFWS

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

What is the consultation workload?

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

What type of guidance is available for other Federal agencies?

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

**U. S. Fish and Wildlife Service
Endangered Species Program
4401 N. Fairfax Drive, Room 420
Arlington, VA 22203
703-358-2171
<http://www.fws.gov/endangered/>**

April 2011

Attachment 8C USFWS Self Certification Package



Transmittal Letter

July 11, 2024

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



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

DAMARIS ROMAN
Reviewer **RUIZ**

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

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

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

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

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

Project Number	Project Name
PR-CRP-000311	Mejoras a la Plaza Interactiva en el Casco Urbano
PR-CRP-000551	Mejoras a Unidades de Vivienda de 1 y 2 Habitaciones en Urb. Kennedy
PR-CRP-000614	Urban Park 109
PR-CRP-000673	Revitalización Casco Urbano
PR-CRP-000697	Theater Blanca Castejón
PR-CRP-000726	Desarrollo de un Café Teatro
PR-CRP-000758	Plaza de los Trovadores
PR-CRP-000772	Plaza Buenos Aires Renovation
PR-CRP-001142	Nuevo Estacionamiento Plaza del Mercado y Centro Urbano
PR-CRP-001144	Centro de Mercado Familiar Guayamés

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

Sincerely,

Permits and Environmental Compliance Division
Office of Disaster Recovery



Self-Certification

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

Endangered Species Act Certification

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

The Service determined that projects in compliance with the following criteria are not likely to adversely affect federally listed species. Puerto Rico Department of Housing (PRDOH) certifies that the following project **“Nuevo Estacionamiento Plaza del Mercado y Centro Urbano” (PR-CRP-001142)**, consists of the rehabilitation and improvement of the existing parking facility. The actual parking is not well defined and lack of proper infrastructure. The project will comply with all applicable requirements of current codes and regulations. The proposed improvements will entail: Removal of the existing pavement, new parking layout to improve functionality including ADA units, re-pavement of existing tarmac, verify the conditions of the existing drainage system and make improvements accordingly, new planting areas, in planters, installation of solar illumination where it's needed, installation of new access of control measures, Comercio Street, Yauco, PR (Lat: 18.03534545, Lon: -66.85207347) complies with:

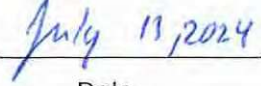
Check	Project Criteria
<input type="checkbox"/>	1. Street resurfacing.
<input type="checkbox"/>	2. Construction of gutters and sidewalks along existing roads.
<input type="checkbox"/>	3. Reconstruction or emergency repairs of existing buildings, facilities, and homes.
<input type="checkbox"/>	4. Rehabilitation of existing occupied single-family homes, and buildings; provided that equipment storage or staging areas are not located on vacant property harboring a wetland and/or forested vegetation and that the lighting associated to the new facilities is not visible directly or indirectly from a beach.

<input type="checkbox"/>	5. Demolition of dilapidated single-family homes or buildings; provided that the demolition debris is disposed in certified receiving facilities; equipment storage or staging areas are not located on vacant property harboring a wetland and/or forested vegetation.
<input type="checkbox"/>	6. Rebuilding of demolished single-family homes or buildings, provided that the new construction is within the existing footprint of the previous structure and/or within pre-existing grassed or paved areas, and that the lighting associated to the new facilities are not visible directly or indirectly from a beach.
<input type="checkbox"/>	7. Activities within existing Right of Ways (ROWs) of roads, bridges and highways, when limited to actions that do not involve cutting native vegetation or mayor earth moving; and are not located within, or adjacent to, drainages, wetlands, or aquatic systems. These activities include the installation of potable water and sanitary pipelines.
<input type="checkbox"/>	8. Improvements to existing recreational facilities, including the installation of roofs to existing basketball courts, provided that the lighting associated to the facilities are not visible directly or indirectly from the beach.
<input type="checkbox"/>	9. Construction of electric underground systems in existing towns and communities, provided that the property is not a wetland area and the lighting associated to the facilities are not visible directly or indirectly from the beach.
<input checked="" type="checkbox"/>	10. Construction of facilities on vacant properties covered with grasses in urban areas, provided that the lighting associated to the facilities are not visible directly or indirectly from the beach.
<input type="checkbox"/>	11. Construction of houses, buildings or acquiring lands in urban areas covered by grass for relocation of low-income families and/or facilities that have been affected by weather conditions.

USFWS Self-Certification
PR-CRP-001142


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


Date

Attachment 1

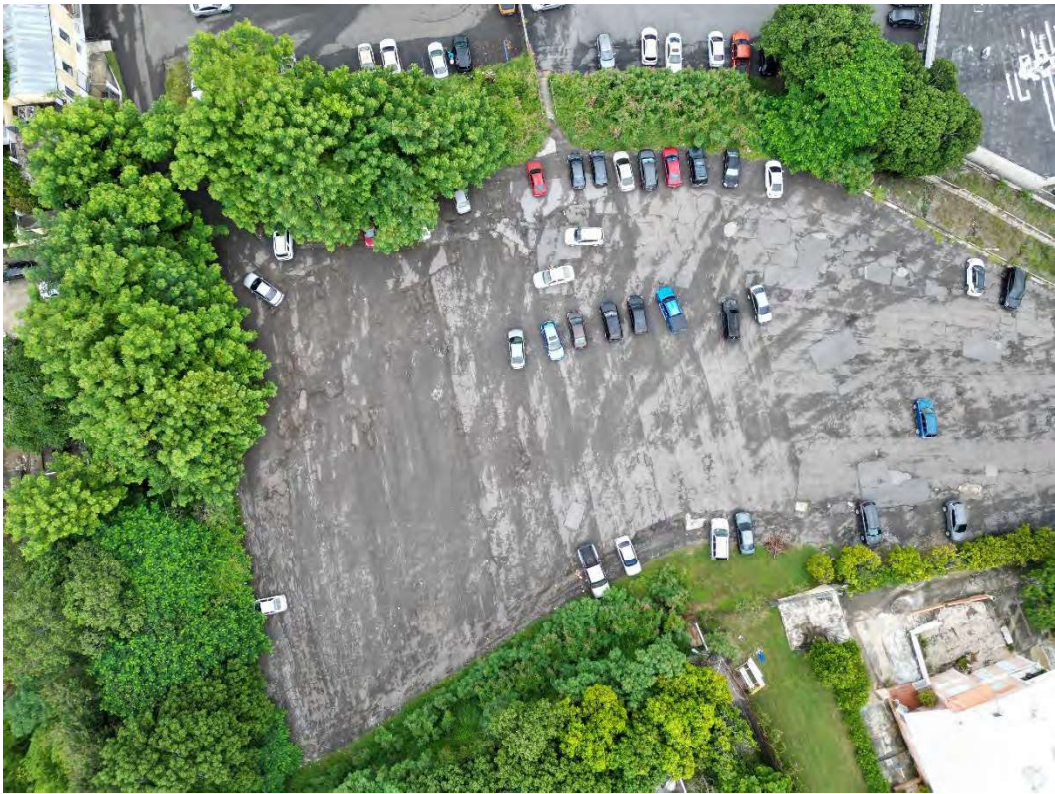
Site Photos

Location Map

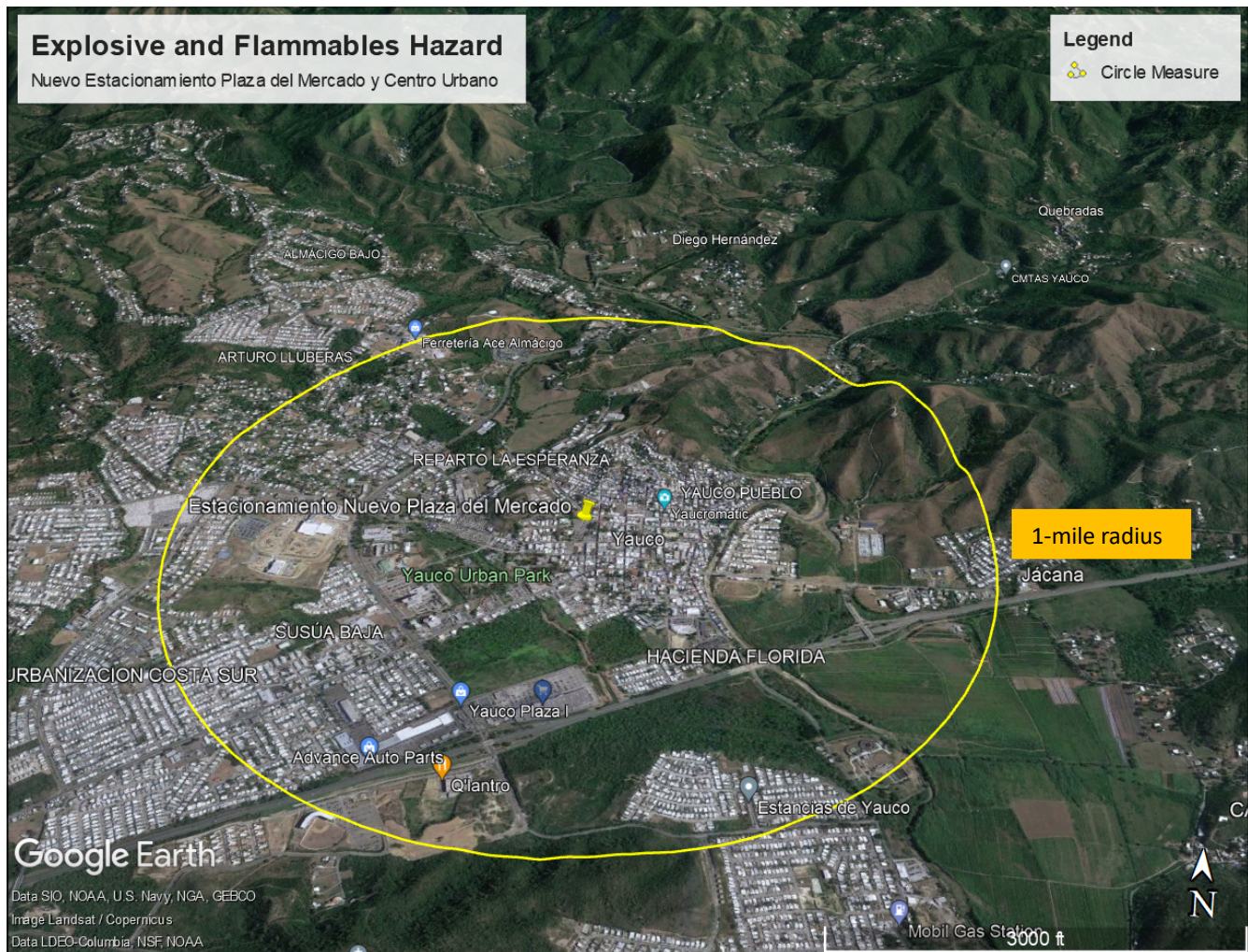
Critical Habitat

Map Wetlands Map









Attachment 9: Explosive and Flammables Hazard

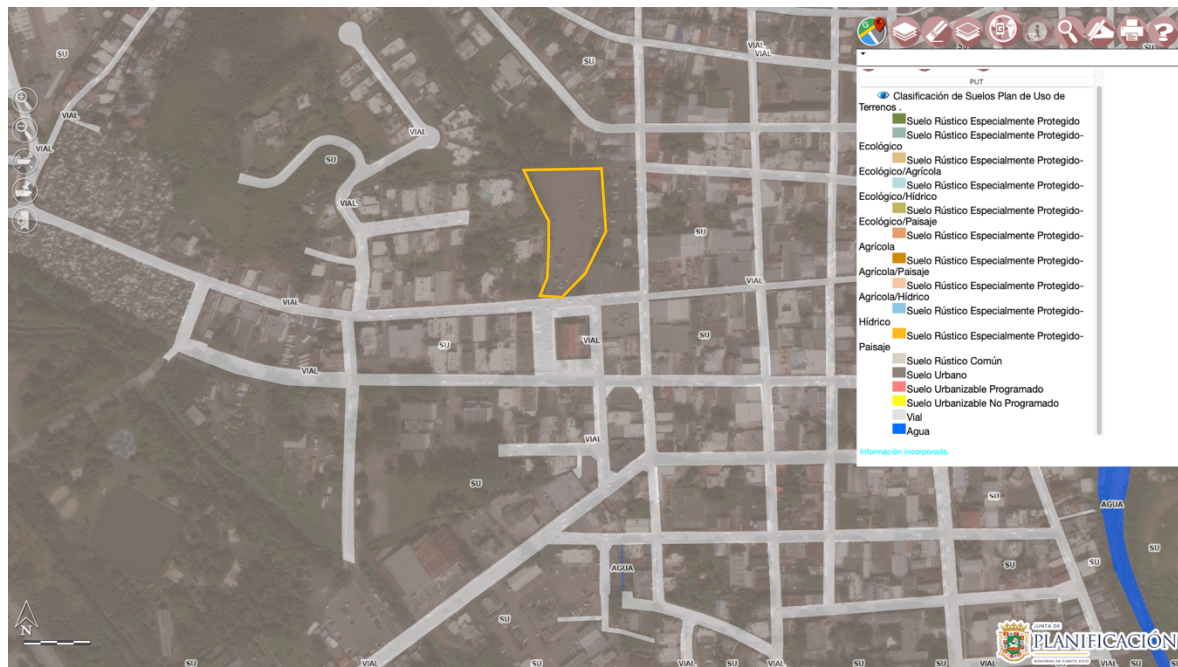
Project Nuevo Estacionamiento Plaza del Mercado y Centro Urbano, Municipality of Yauco, (PR-CRP-0001142)

Location: Comercio Street Yauco, PR (0018.03534545, -66.85207347)

Source: Google Earth®

Website: <https://earth.google.com/web/>

Author: Applied Engineering Group



Attachment 10A: Puerto Rico Planning Board's – Terrain Use Map (Plan de Uso de Terreno)

Project Nuevo Estacionamiento Plaza del Mercado y Centro Urbano, Municipality of Yauco, (PR-CRP-0001142)

Location: Comercio Street Yauco, PR (0018.03534545, -66.85207347)

Source: MIPR

Website: <https://gis.jp.pr.gov/mipr/>

Prepared by: Applied Engineering Group

Attachment 10B USDA Web Soil Map


Farmland Classification—San German Area, Southwestern Puerto Rico (Farmlands)



Farmland Classification—San German Area, Southwestern Puerto Rico
(Farmlands)









MAP LEGEND








Area of Interest (AOI)






 Area of Interest (AOI)








Soils



Soil Rating Polygons

-  Not prime farmland
-  All areas are prime farmland
-  Prime farmland if drained
-  Prime farmland if protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated
-  Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated and drained
-  Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season









-  Prime farmland if subsoiled, completely removing the root inhibiting soil layer
-  Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
-  Prime farmland if irrigated and reclaimed of excess salts and sodium
-  Farmland of statewide importance
-  Farmland of statewide importance, if drained
-  Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if irrigated

-  Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if irrigated and drained
-  Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer
-  Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60

-  Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium
-  Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if warm enough
-  Farmland of statewide importance, if thawed
-  Farmland of local importance
-  Farmland of local importance, if irrigated

-  Farmland of unique importance
-  Not rated or not available

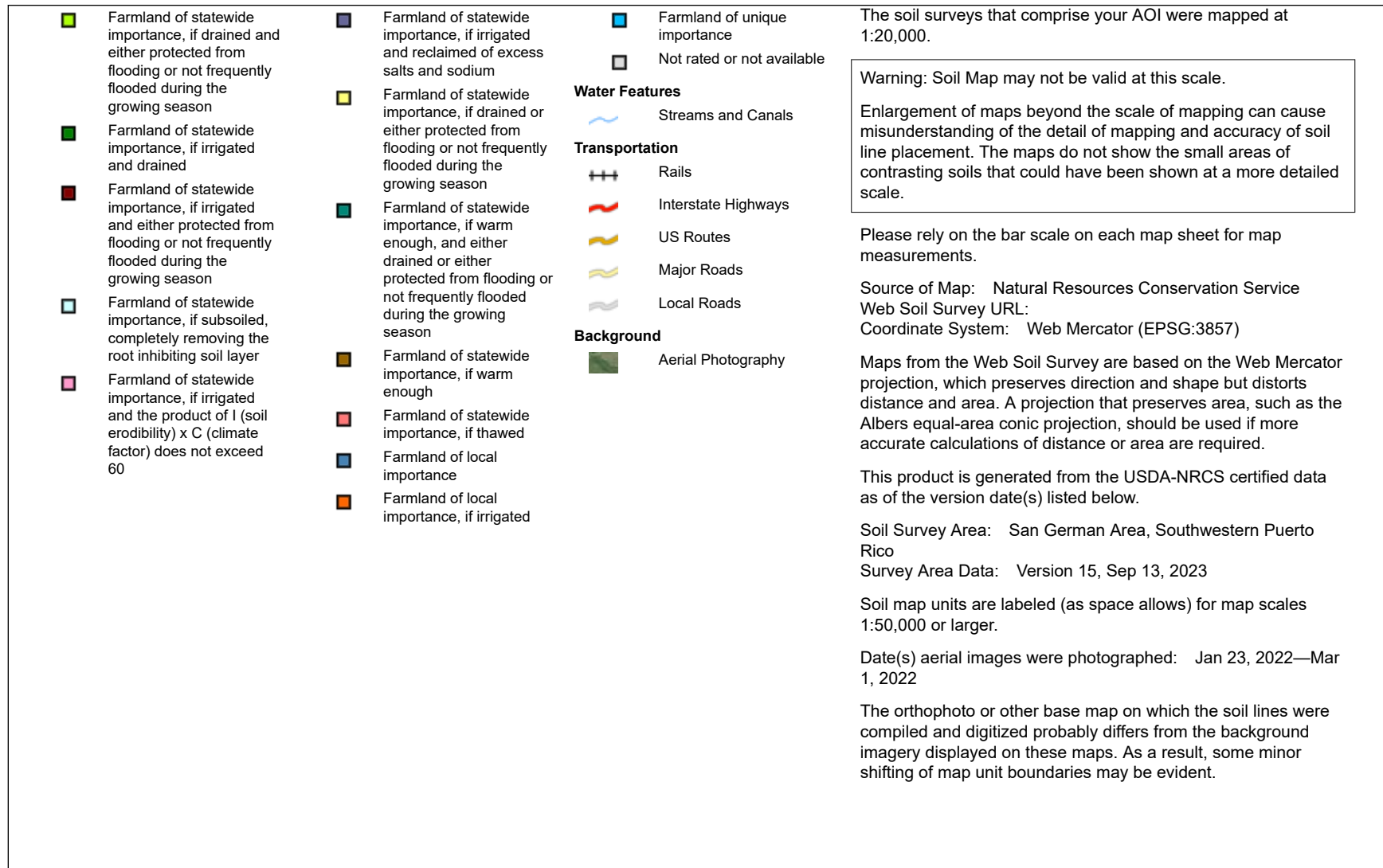
Soil Rating Lines

-  Not prime farmland
-  All areas are prime farmland
-  Prime farmland if drained
-  Prime farmland if protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated
-  Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated and drained
-  Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season

Farmland Classification—San German Area, Southwestern Puerto Rico
(Farmlands)

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

Farmland Classification—San German Area, Southwestern Puerto Rico
(Farmlands)



Farmland Classification

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Ua	Urban land	Not prime farmland	1.4	100.0%
Totals for Area of Interest			1.4	100.0%

Description

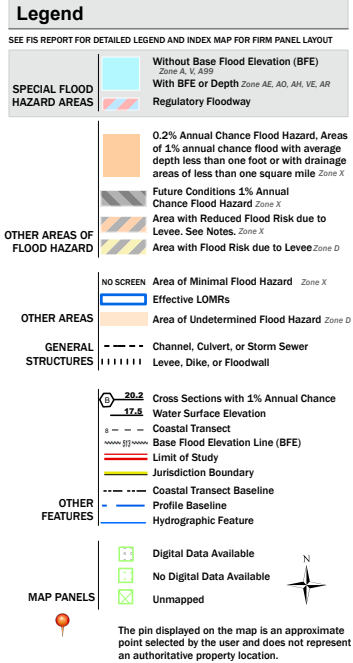
Farmland classification identifies map units as prime farmland, farmland of statewide importance, farmland of local importance, or unique farmland. It identifies the location and extent of the soils that are best suited to food, feed, fiber, forage, and oilseed crops. NRCS policy and procedures on prime and unique farmlands are published in the "Federal Register," Vol. 43, No. 21, January 31, 1978.

Rating Options

Aggregation Method: No Aggregation Necessary

Tie-break Rule: Lower

National Flood Hazard Layer FIRMette



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 12/27/2023 at 2:12 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Attachment 11A: Flood Insurance Rate Map

Project Nuevo Estacionamiento Plaza del Mercado y Centro Urbano, Municipality of Yauco, (PR-CRP-0001142)

Location: Comercio Street Yauco, PR (0018.03534545, -66.85207347)

Source: Mapa Niveles de Inundación Base Recomendados por: Junta Planificación

Website: <https://sige.pr.gov/portal/apps/webappviewer/index.html?id=53ed4b9fa37840a88bb44d2a911512fc>

Author: Applied Engineering Group

Comparison of Flood Hazard

Effective & Preliminary Flood Hazards



Effective	Preliminary
<p>Puerto Rico Unincorporated Areas Municipio de Yauco 720000 AREA OF MINIMAL FLOOD HAZARD Zone X</p> <p>FLOODWAY Zone AE</p>	
Effective	Preliminary
POI Longitude/Latitude 18.0353, -66.8521	POI Longitude/Latitude 18.0353, -66.8521
Effective FIRM Panel 72000C1615H	Preliminary FIRM Panel 72000C1615H
Effective Date 4/19/2005	Preliminary Issue Date 11/16/2018
Flood Zone X	Flood Zone Not Available
Static BFE* Not Available	Estimated Static BFE* Not Available
Flood Depth Not Available	Estimated Flood Depth Not Available
Vertical Datum Not Available	Vertical Datum Not Available

<p>* A Base Flood Elevation is the expected elevation of flood water during the 1% annual chance storm event. Structures below the estimated water surface elevation may experience flooding during a base flood event.</p>	
Hazard Level	Flood Hazard Zone
High Flood Hazard	<p>AE, A, AH, AO, VE and V Zones. Properties in these flood zones have a 1% chance of flooding each year. This represents a 26% chance of flooding over the life of a 30-year mortgage.</p>
Moderate Flood Hazard	<p>Shaded Zone X. Properties in the moderate flood risk areas also have a chance of flooding from storm events that have a less than 1% chance of occurring each year. Moderate flood risk indicates an area that may be provided flood risk reduction due to a flood control system or an area that is prone to flooding during a 0.2% annual chance storm event. These areas may have been indicated as areas of shallow flooding by your community.</p> <p>Unshaded Zone X. Properties on higher ground and away from local flooding sources have a reduced flood risk when compared to the Moderate and High Flood Risk categories. Structures in these areas may be affected by larger storm events, in excess of the 0.2% annual chance storm event.</p>
Low Flood Hazard	<p>Insurance Note: High Risk Areas are called 'Special Flood Hazard Areas' and flood insurance is mandatory for federally backed mortgage holders. Properties in Moderate and Low Flood Risk areas may purchase flood insurance at a lower-cost rate, known as Preferred Risk Policies. See your local insurance agent or visit https://www.fema.gov/national-flood-insurance-program for more information.</p>
<p>Disclaimer: This report is for informational purposes only and is not authorized for official use. The positional accuracy may be compromised in some areas. Please contact your local floodplain administrator for more information or go to www.fema.gov to view an official copy of the Flood Insurance Rate Maps.</p>	
<p>Service Layer Credits: USGS, USDA</p>	

4/21/2025 6:45 PM

Attachment 11B: Floodplain Management PFIRM

Project Nuevo Estacionamiento Plaza del Mercado y Centro Urbano, Municipality of Yauco, (PR-CRP-0001142)

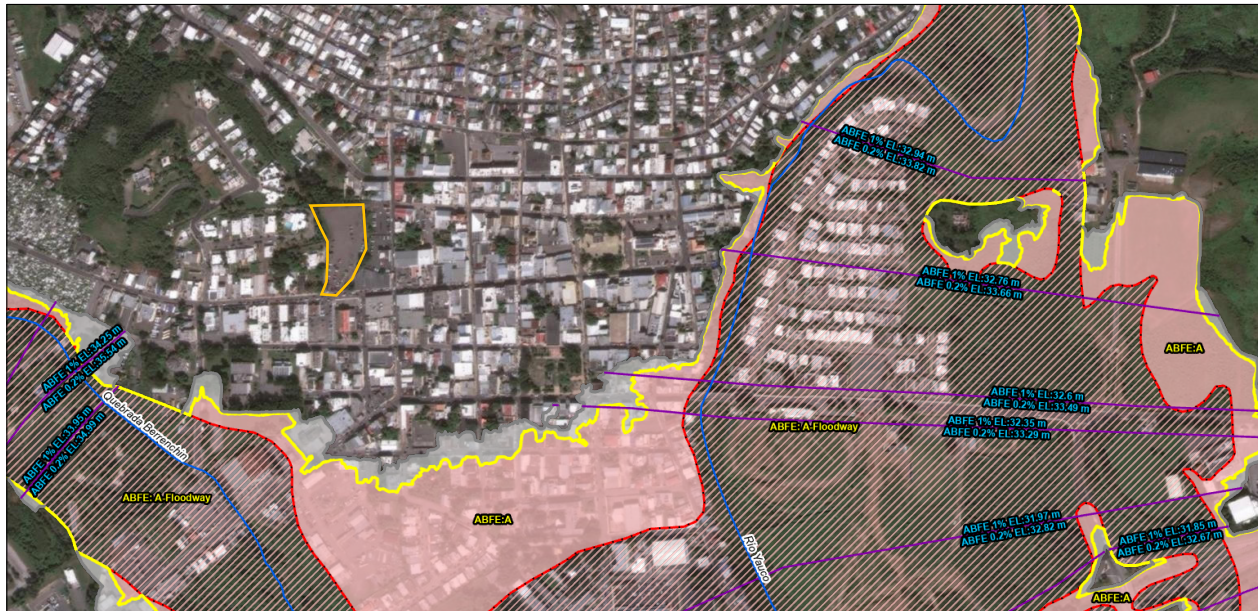
Location: Comercio Street Yauco, PR (0018.03534545, -66.85207347)

Source: FEMA Flood Maps Changes Viewer

Website: <https://www.arcgis.com/apps/webappviewer/index.html?id=5852ea902db44e55bfce395799315f9c>

Author: Applied Engineering Group

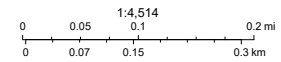
ArcGIS Web Map



4/21/2025, 2:21:08 PM

Flood Hazard Area (zoom in to make visible) Flood Hazard Extent

- | | |
|---|--|
| A | 1% Annual Chance Flood |
| 0.2% Annual Chance Flood Zone | 0.2% Annual Chance Flood |
| A-Floodway | Advisory Base Flood Elevation (zoom in to make visible) |
| Zone/BFE Boundary | Streamline (zoom in to make visible) |



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

ArcGIS Web AppBuilder
FEMA |

Attachment 11C: Advisory Base Flood Elevation Map

Project Nuevo Estacionamiento Plaza del Mercado y Centro Urbano, Municipality of Yauco, (PR-CRP-0001142)

Location: Comercio Street Yauco, PR (0018.03534545, -66.85207347)

Source: Mapa Niveles de Inundación Base Recomendados por: Junta Planificación

Website: <https://sige.pr.gov/portal/apps/webappviewer/index.html?id=53ed4b9fa37840a88bb44d2a911512fc>

Author: Applied Engineering Group

Attachment 12 SHPO Package Consultation

Wednesday, April 30, 2025

Lauren B Poche

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

SHPO-CF-04-17-25-13 PR-CRP-001142 (Yauco), Nuevo Estacionamiento Plaza de Mercado y Centro Urbano

Dear Ms. Poche,

Our Office has received and reviewed the above referenced project in accordance with 54 USC 306108 (commonly known as Section 106 of the National Historic Preservation Act, as amended) and 36 CFR Part 800: Protection of Historic Properties from the Advisory Council on Historic Preservation. The State Historic Preservation Officer (SHPO) is to advise and assist federal agencies and other responsible entities when identifying historic properties, assessing effects upon them, and considering alternatives to avoid or reduce the project's effects.

After a review of all the documentation, we believe that a determination of no adverse effect upon historic properties for the proposed project will be appropriate.

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

Sincerely,



Carlos A. Rubio Cancela

State Historic Preservation Officer

CARC/GMO/OJR



GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

April 30, 2024

Arch. Carlos A. Rubio Cancela

Executive Director

Puerto Rico State Historic Preservation Office

Cuartel de Ballajá, Third Floor

San Juan, Puerto Rico 00901

Re: Authorization to Submit Documents for Consultation

Dear Arch. Rubio Cancela,

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

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

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

Cordially,

Aldo A. Rivera Vázquez, PE

Director

Division of Environmental Permitting and Compliance

Office of Disaster Recovery

4/17/2025

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

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

**SECTION 106 NHPA EFFECT DETERMINATION SUBMITTAL FOR PR-CRP-001142,
NUEVO ESTACIONAMIENTO PLAZA DE MERCADO Y CENTRO URBANO, YAUCO,
PUERTO RICO – *NO HISTORIC PROPERTIES AFFECTED***

Dear Architect Rubio Cancela,

On February 9, 2018, an allocation of Community Development Block Grant - Disaster Recovery (CDBG-DR) funds was approved by the United States Department of Housing and Urban Development (HUD) under the Federal Register Volume 83, No. 28, 83 FR 5844, to assist the Commonwealth of Puerto Rico in meeting unmet needs in the wake of Hurricanes Irma and Maria. On August 14, 2018, an additional \$8.22 billion recovery allocation was allocated to Puerto Rico under the Federal Register Volume 83, No. 157, 83 FR 40314. With these funding allocations, the Puerto Rico Department of Housing (PRDOH) aims to lead a comprehensive and transparent recovery for the benefit of Puerto Rico residents. To faithfully comply with HUD's environmental requirements, 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 Nuevo Estacionamiento Plaza de Mercado y Centro Urbano, which is adjacent to the Yauco Traditional Urban Center. The Municipality of Yauco proposes improvements to an existing parking lot. The project includes removal and repaving of the existing asphalt, creation of an ADA-compliant pedestrian access sidewalk at the northern exit, improvements to the existing drainage system, new planting areas, and the installation of solar lighting poles and signage. The full scope of the project is described in the submitted documentation, which includes mapping, photographs, and the 60% design development plans.

Based on the documentation provided, the Program requests a concurrence with a determination that **no historic properties affected** is appropriate 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-001142

NUEVO ESTACIONAMIENTO PLAZA DE
MERCADO Y CENTRO URBANO PROJECT
YAUCO, PUERTO RICO

SECTION 106 EFFECT DETERMINATION FORM

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CRP) Section 106 NHPA Effect Determination		
Applicant: Municipality of Yauco, Puerto Rico		
Program ID Number: PR-CPR-001142		
Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano		

Project Location: Comercio Street Yauco, PR 00698.	
Project Coordinates: Lat: 18.03534545, Lon: -66.85207347	
TPID (Cadaster Number): 361-084-124-06-000	
Type of Undertaking: <input checked="" type="checkbox"/> Substantial Repair/Improvements <input type="checkbox"/> New Construction	
Construction Date (AH est.): ca. 1995.	Property Size (acres): 1.81 acres

SOI-Qualified Architect/Architectural Historian: Architect Carlos Ferrán
Date Reviewed: Dec 2024. Rev. Jan 2025. Rev. Apr 2025
SOI-Qualified Archaeologist: Norma Medina Carrillo, PhD
Date Reviewed: Dec 2024. Rev. Jan 2025. Rev. Apr 2025.

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)

As established and written by Proponent, and the Transit Plan of the Municipality of Yauco, there are multiple routes and stops for public transportation near the Plaza de Mercado and the Traditional Urban Center of Yauco

The Direct APE, which is the existing lot, will provide safe parking spaces allowing them to access the Traditional Urban Center of the Municipality of Yauco, including the available public transportation system. The project consists of making improvements to the existing parking area.

Existing Conditions

The parking area is an open, paved lot with vehicular entrances on the north on Mattei Lluveras Street and south on Comercio Street, and pedestrian entrances on the east side, through Fernando Pacheco Street. It is currently in use. The lot is fenced, has concrete bollards near the existing drainage ditch and a rubblework wall near the northern entrance (Lluveras Street) that will be protected during construction. There is existing vegetation near the north side perimeter fence, no vegetation inside the paved area.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CRP) Section 106 NHPA Effect Determination	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Applicant: Municipality of Yauco, Puerto Rico	
Program ID Number: PR-CPR-001142	
Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano	

The project consists of the rehabilitation and improvement of the existing paved area. The actual parking area is not well defined and lacks proper infrastructure. The project will comply with all applicable requirements of current codes and regulations. The proposal includes:

- Removal and repaving of the existing asphalt.
- A new parking lot is designed to improve functionality, including ADA-compliant parking spaces.
- Creation of an ADA-compliant pedestrian access sidewalk at the northern exit, requiring the removal of a portion of the chain-link fence.
- Verification and necessary improvements to the existing drainage system.
- Improvements to the parking lot gradients to ensure proper rainwater runoff.
- New planting areas with native trees in planters.
- Installation of solar lighting poles and electrical provisions for future security devices.
- Installation of signage.

Excavation and Planting:

- Excavations for leveling surface corrections are estimated to be 3-5 feet in some portions.
- The new trees will be planted in above the ground, concrete planters, and the solar poles will require up to 3 feet footing depth.

Demolitions:

- The demolition will involve removing the existing pavement, disassembling and disposing of damaged sections of the cyclone fence.
- Demolishing the existing concrete bollards.
- The damaged drainage ditch will be removed to facilitate the upcoming construction activities which includes improving the existing storm water drainage system.

Additional details are provided in the attached 60% design plans.

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

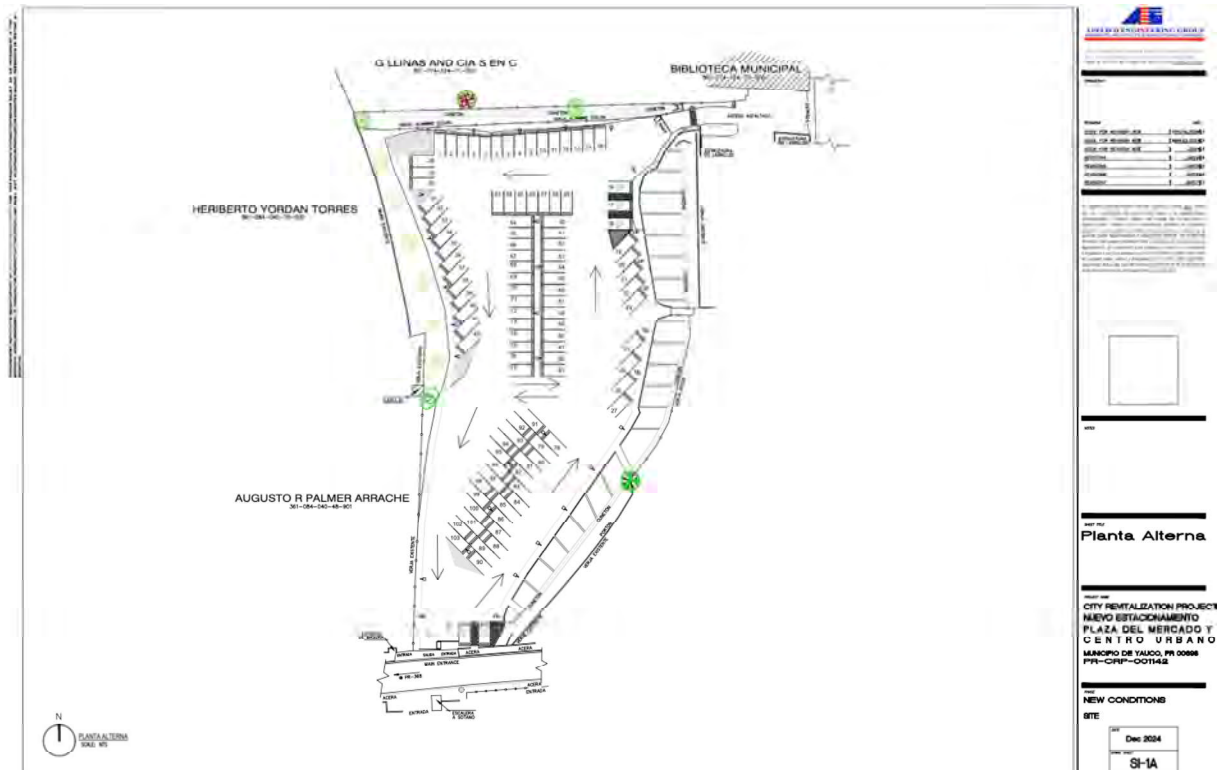


Applicant: Municipality of Yauco, Puerto Rico

Program ID Number: PR-CPR-001142


Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano

Figure 01. Proposal Plan- APE.
 Not to Scale. Coordinates: Lat: 18.035345, Lon: -66.852073.
 Source: Applied Engineering Group.



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 historical 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 398 linear feet in length and 198 linear feet wide (1.81 acres) and the visual APE is the viewshed of the proposed project.


PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CRP) Section 106 NHPA Effect Determination	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Applicant: Municipality of Yauco, Puerto Rico	
Program ID Number: PR-CPR-001142	
Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano	

Identification of Historic Properties – Historical context

It is important to establish that the history of Yauco began long before the arrival of the Europeans to this territory and to recognize that the Coayuco region was part of the land of the main Cacique of the west region of Boriké, Cacique Agüeybaná. Guaynía, the Yucayeque of Agüeybaná was located to the north of Bahía de Guánica and settled near the Susúa River. The Taíno word Guainía means “union of waters” indicating that the village was located at the confluence of the Susúa River with another river or stream. The territory of Guainía extended of seven kilometers (4.35 miles) around the Taino village. Guainía was located 2.427 miles northwest of project Direct APE).

In 1508, the first arrival of Europeans to the island was led by Captain Juan Ponce de León. The expedition aimed to explore Boriké territory and to identify the rivers that contained gold and to begin the exploitation of the precious metal. With the authorization of fray Nicolas de Ovando (Ruler of La Hispaniola. Note: Haiti and Dominican Republic), Juan Ponce de León organized an expedition escorted by 50 Spanish soldiers and indigenous people from eastern Hispaniola. The natives from Hispaniola guided Juan Ponce de León to the region of the Coayuco, where Boriké's main cacique resided.

The Europeans arrived in Guainía following the coastal path that begins at the delta of the Susúa River and continued along the banks of the river, upstream to the large village of Guainía. The first reception was peaceful and Juan Ponce de León, taking advantage of the polite treatment granted by Cacique Agueybaná asked him where the rivers that had gold were located. The Cacique Agueybaná replied to Juan Ponce de León that the rivers that contained the metal were on the north coast of the island and provided him with several Taino to take him where he could find the gold. In this way, the conquest of the island by the Europeans began.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CRP) Section 106 NHPA Effect Determination	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Applicant: Municipality of Yauco, Puerto Rico	
Program ID Number: PR-CPR-001142	
Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano	

In a very short time, the gold rush enclosed the entire Island of Boriké, named by Genoese Admiral Christopher Columbus as, the Island of San Juan Bautista. The Island's gold mining exploitation attracted new colonizers, adventurers, and soldiers of fortune to the island who used the Taino Indians as slaves to work in the European gold mining operation. The gold extraction activities were already exhausted by 1550. However, in this short 40-year period, the native population of the island was highly reduced by the extreme greed of the European conquerors and settlers until it became almost extinct. This vicious genocide occurred on the Island of Boriké.


After the gold ran out, the Europeans who decided to stay on the island dedicated themselves to agriculture and livestock. The founding of towns was slow during the first two centuries, increasing in the eighteenth century. Fernando Pacheco in 1755 led the group of neighbors who asked the governor and captain-general, Felipe de Estenós, for authorization to establish the town of Yauco. On February 29, 1756, the Spanish crown authorized its foundation. Then, the town's design with its main buildings was done.¹ Don Fernando Pacheco donated the land for the town's foundation and was elected as its first mayor. Subsequently, immigrants began to arrive in the Yauco region from France, particularly from the island of Corsica. These immigrants occupied the Yauco highlands and were mainly dedicated to the coffee industry.

With the granting of the Royal Decree of Grace of 1815, Yauco flourished remarkably, thanks to the introduction of the cultivation of cotton, sugar, and coffee. More Corsican immigrants arrived in the mountainous area of the southwest of the island to dedicate themselves to coffee growing. In Yauco, coffee cultivation started in the wards of Rancheras, Diego Hernández, Aguas Blancas, Frailes, and Rubias.²

The cycles of foundation, development, and expansion of Puerto Rico's traditional urban centers were intrinsically linked to the processes of production and economic expansion of the residents. Yauco is no exception. The mountainous lands of Yauco were considered of high agricultural value for coffee plantations. The number of coffee plantations in Yauco increased and very soon Yauco became a coffee-growing municipality, developing the production of high-quality coffee that was exported directly to Europe. One of the factors that contributed to the development of the coffee industry in Yauco was that it had the Port of Guayanilla to export the product directly to Europe, Cuba, and

¹ <https://enciclopediapr.org/content/municipio-de-yauco/>

² Idem.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CRP) Section 106 NHPA Effect Determination	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Applicant: Municipality of Yauco, Puerto Rico	
Program ID Number: PR-CPR-001142	
Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano	

other markets. "Historical data show that during the nineteenth century, Puerto Rico was the sixth largest coffee producer in the world, exporting 60 million pounds of coffee to the most demanding world markets."³


The coffee economy boom of the nineteenth century influenced the expansion of the Traditional Urban Center of Yauco. The expansion of urban areas was notable during the nineteenth century. In 1824 the Urban Center had only 30 houses and 23 huts. (Figure 02).

Figure 02: Drawing by Augusto Plee, Pueblo de Yauco 1821.⁴



³ MANUAL PARA LA PRODUCCIÓN Y EXPORTACIÓN DE CAFÉ DE PUERTO RICO
<https://www.uprm.edu/wp-content/uploads/sites/292/2019/05/Manual-para-la-Produccion-y-Exportacion-de-Cafe-de-Puerto-Rico-en-Informe-Proyecto-Potential-Markets-for-PR-Coffee>

⁴ Sepúlveda Rivera, Aníbal, Puerto Rico Urbano, San Juan CARIMAR, Vol. I, 2004. Page 172.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CRP) Section 106 NHPA Effect Determination	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Applicant: Municipality of Yauco, Puerto Rico	
Program ID Number: PR-CPR-001142	
Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano	

In the reports made by the towns to make up the Geographical, Statistical, and Historical Dictionary of the Island in 1853, the following data are reported about the town of Yauco. "There are four public buildings, the masonry church, the cemetery, the butcher's shop, also made of masonry, and the King's house built in wood. In the village stand two masonry houses, three masonry and wooden houses, and 179 huts."⁵

Already in 1866 Commerce Street was developed, which runs south of the main square. Comercio Street was 12 meters wide, equivalent to 36 feet wide. Twenty years later, in 1872, the town of Yauco already had 11 masonry houses, 166 wooden houses, 77 ranches or huts, and two public buildings, the church and the mayor's office. In the description made by Manuel Úbeda y Delgado in 1878 of the town, he points out the following data.

Yauco has 306 houses, 67 huts, 437 families, 9 fabric and fabric stores, 5 mixed stores, and 35 grocery stores. The town suffered a fire in 1873, which reduced a large part of the population to ashes, was rebuilt with more care, and reached an importance that it undoubtedly did not have before".⁶

Ten years after Delgado's description, the Corps of Military Engineers drew up a detailed topographical plan of the town of Yauco made by José Elola y Gutiérrez. (Figure 03). In 1910, during Lieutenant William H. Armstrong's visit to the town of Yauco, the report he made for the U.S. Army revealed the following information about the town of Yauco.

- Most of the town people are poor and ¾ are illiterate.
- The businessmen of the town are mostly Spaniards.
- Nearly all the merchants and landowners are Spaniards.
- Buildings are of all classes and materials.
- There are some good brick buildings. None are more than two stories high; most are ground-floor buildings.

⁵ Sepúlveda Rivera, Aníbal, Puerto Rico Urbano, San Juan CARIMAR, Vol. II, 2004. Page 184.

⁶ Sepúlveda Rivera, Aníbal, Puerto Rico Urbano, San Juan CARIMAR, Vol. III, 2004. Page 454.

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



Applicant: Municipality of Yauco, Puerto Rico

Program ID Number: PR-CPR-001142

Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano


- The best building in the town is a modern 8-room school building near the R.R. station, built of concrete.
- There is another older 4-room brick schoolhouse on the market plaza.

Figure 03. Corps of Engineers Plan, Yauco, 1888-92. José Elola y Gutiérrez.⁷
 Not to Scale.



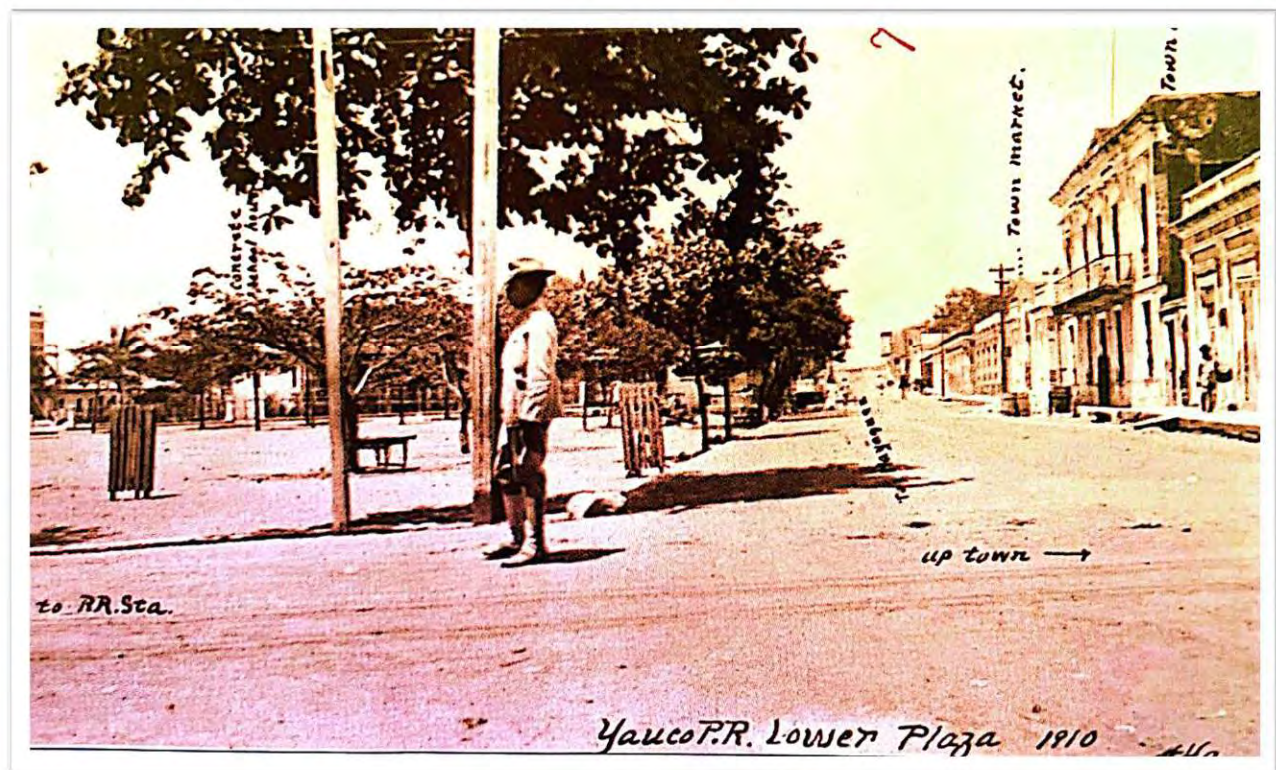
- The next best building is the Catholic Church and the priest's house near the church. The house is a 2-story concrete house.
- There are two plazas, the upper plaza where the Catholic Church is located, and the lower plaza used as a marketplace.
- The town market and the town hall are located side by side on the market plaza.
- Industries consist principally of a few cigar factories, some run factories, and several coffee mills where coffee is cleaned and prepared for the market. Yauco is one of the great coffee markets.
- The streets are narrow and poorly made.
- There is no sewer or water distribution system.

⁷ Ídem. Page 454.

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- Besides the Roman Catholic church there is a small concrete Baptist church.
- Masonic Lodge: they have a good masonry building near the new school by the R.R. station. (Figures 05 and 06).

Figure 04: Yauco's Main Plaza in 1910.⁸



⁸Sepúlveda Rivera, Aníbal, Puerto Rico Urbano, San Juan CARIMAR, Vol. III, 2004. Page 458⁸


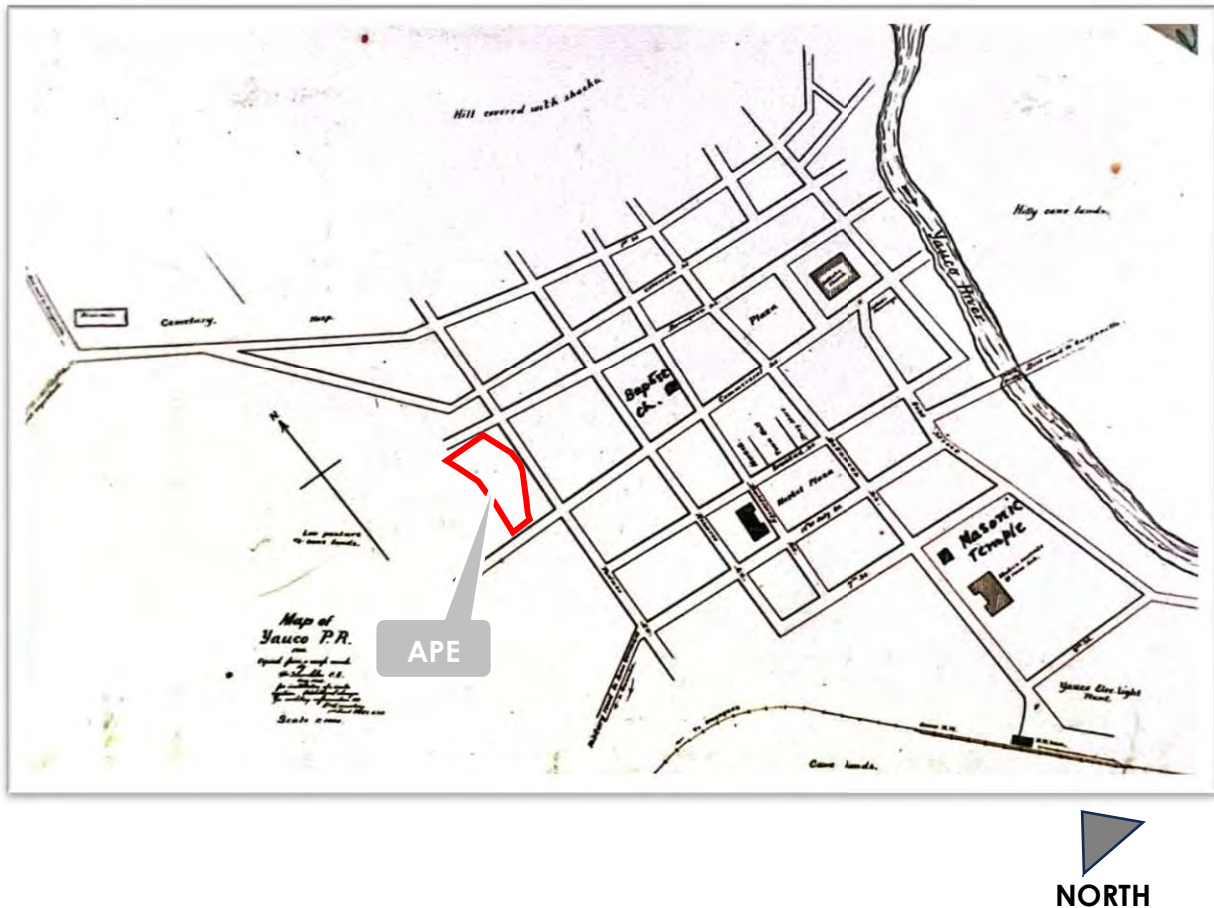
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Figure 05. Plan of Yauco, ca. 1910. Copied by Armstrong from another map.⁹
Not to Scale.



The plan confirms that the proposed project APE was not part of the Traditional Urban Center of Yauco in 1910. As observed in the aerial photograph of 1971, (Figure 20) the sector where project APE is located began to develop around the mid-twentieth century as a West extension of Comercio Street. A Market building was built, replacing the old open market square in the Traditional Urban Center of Yauco.

The plot where the project is located is the property of the Rodríguez family, owners of the Borinquen Biscuit Factory. This lot was sold to the Municipality of Yauco to be used as an additional car park for the Plaza del Mercado. Don Antonio Rodríguez was the original owner of the plot under study. As evidenced by the analysis of aerial photographs, this

⁹ Idem. Page 457.

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plot has not been developed and has remained unoccupied until the present. The history of this Don Antonio Rodríguez family business dates back more than one hundred and forty-four (144) years. Borinquen Biscuit Corporation manufactures soda crackers and sweet cookies. The Company was founded in 1864. In addition to soda crackers and sweet crackers, he made bread. The facilities of Borinquen Biscuit Corp. are in Yauco, Puerto Rico.¹⁰

Figure 06: Aerial photograph from the 1970s showing the APE plot.¹¹

Not to Scale.

Source: Enciclopedia de Puerto Rico.




¹⁰ La Cocina Criolla

https://www.facebook.com/photo.php?fbid=170142079862112&id=114842402058747&set=a.127983324077988&locale=es_LA

¹¹ Villar Rocés, Mario, Los Municipios de Puerto Rico, La Gran Enciclopedia de Puerto Rico, Madrid, Forma Gráfica S.A., 1976. Page 398-399.



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Identification of Historic Properties - Archaeology

Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the 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 there are no known archaeological sites within a quarter-mile radius of the proposed project location.

The closest pre-Columbian site to the project's APE is Sitio Nuevo (YU0100013) located at 1.132 miles (1,821 meters) to the West of the project APE. In the inventories of PRSHPO sitio Nuevo (YU100013) it is described in the following: The Site was first reported by Archeologist Jesús Figueroa in 1986. The area was urbanized during the construction of El Cafetal 1 and El Cafetal 2 urban developments. Archeologists reported Pre-Columbian ceramics materials in the area, but it has not been systematically studied.

"Pre-Columbian materials on the west bank of the Susúa Creek. Possibly impacted when the first stage (ca. 1975) of the El Cafetal Urbanization was built. The original archeological site was probably destroyed by the construction of the residences. It was visited by the Archeologists Edgar Maíz, Eduardo Questell and Jesus Figueroa."¹²

¹² Yacimientos Arqueológicos de Puerto Rico, Ficha de Inventario. PRShpo.

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The 1.81 acres of the parcel under evaluation belongs to the urban area of Yauco. Most of the cultural resources in this area are of historical nature, associated with the Historic Zone and the Traditional Urban Center of Yauco. There are no reported Pre-Columbian archeological resources within ¼- mile radius within or the boundaries of the Direct APE. For regulatory agencies in Puerto Rico, ICP/PAE and PRSHPO, prehistoric and historic resources are always considered, as well as the archeological sites.

In addition to the Historic Zone of Yauco, which borders the project's APE to the east, the closest historic archeological resource to the site is the YU0100041 the Historical Bridges, Almacigo Bajo 0.449 miles (723 meters) to the Northwest of the APE. It is important to mention that Comercio Street is the old historic road from Yauco to San Germán, so it can be considered also of historical value.

"The main road connected to the west with San Germán (today Calle Comercio) and to the southeast with Guayanilla (today Highway PR-335). In 1828 a new road was opened (today Calle 25 de Julio) that led directly to the Port of Guayanilla, crossing the Yauco River."¹³

¹³ Plan Territorial del Municipio de Yauco, Borrador de Vista Publica, https://gis.jp.pr.gov/Externo_Econ/VP/PT%20Yauco%20Borrador%20Vista%20P%C3%BAblica%20Fa%20se%20l.pdf



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Figure 07: Localization of archaeological-cultural Historic resources near the Direct APE.
 Scale: 1:20000.



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Five archaeological surveys were identified within a 1/4-mile radius of the APE. Of the five studies, three were negative and two were positive. The closest study conducted is located northeast of the APE area at 0.141 miles away. This Phase IA-IB study was conducted in 1992 with negative results observing the presence of cultural resources above and below the ground. This study required permits for the construction of the Buena Vista (1) urbanization in Yauco.

The second closest study to the APE was conducted to allow service lines. Phase IA study was conducted in 2008 and is located 0.114 miles northeast of APE. As it is Phase IA, no underground investigation was conducted. The positive results of Phase IA are aided in the Historical Study of the Urban Center of Yauco. The remaining three reports were worked with Phases IA-IB and Phases II, all for construction permits for commercial residential projects in the Historic Center of Yauco. On the plots of the Covadonga Condominium and the Commercial Residential Building, archaeological surveys in Phase IB were conducted. The Commercial Residential Building project received a recommendation for endorsement of the project. For the Jardín del Paraíso housing project, Archeologist Andrés Príncipe Jácome conducted Phases IA-IB and Phase II with negative results.


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Table 1: Summary of archaeological studies near the project area ICP/PAE.¹⁴

Project Name	Phase / Years	Archaeologist	Results	Distance to APE
1. Buena Vista Urbanization, 1992 ICP/CAT/YA- 92-13-03	Phase IA-IB	Juan González Colón	Negative	0.141 miles (228 meters) to the northwest of the APE
2. Construcción del Sistema Soterrado Urbano, 2008 ICP/CAT/-YA –8-10-07 (Highlight In Green color)	Phase IA	Adalberto Mauras Casillas	Positive	0.114 miles (185 meters) to the northeast of the project APE
3. Condominio Covadonga, 2000 ICP/CAT/YA 06-10-03	Phase IA-IB	Jesús Figueroa Lugo	Negative	0.162 miles (262 meters) to the northeast of the project APE
4. Jardín del Paraíso, Vivienda de Interés Social, 2008 ICP/CAT/YA –08-10-06	Phase II	Andrés Príncipe Jácome	Negative	0.193 miles (312 meters) to the northeast of the project APE
5. Commercial Residential Building, 2014 ICP/CAT/YA -14-12-02	Phase IA-IB	Juan González Colón	Positive	0.209 miles (447 meters) to the northeast of the project APE

¹⁴ Archives of the Terrestrial Archaeology Councils of Puerto Rico. ICP/ PAE.


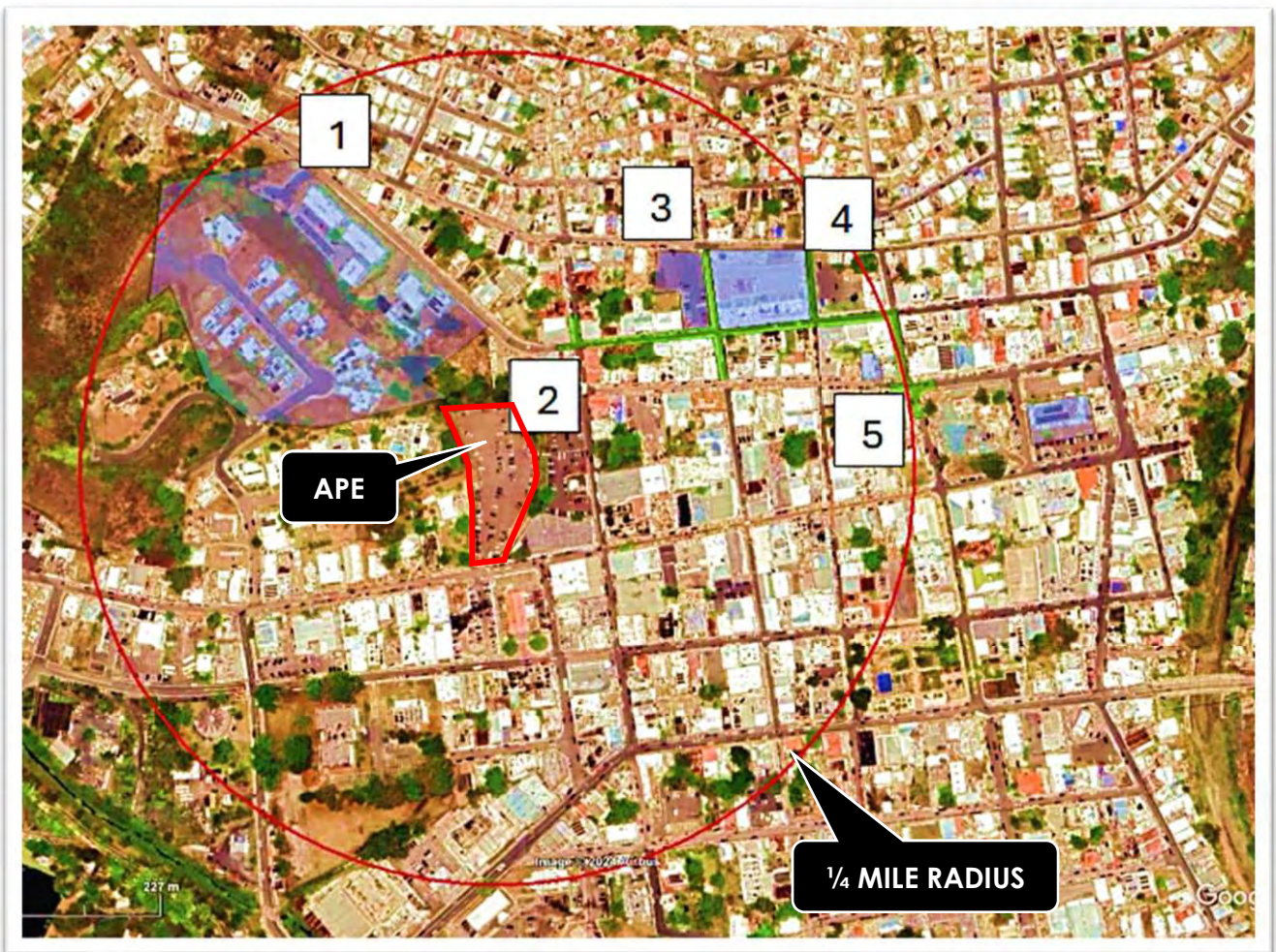
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Figure 08: Localization of Archaeological Studies in a 1/4-mile radius of the APE.
Not to Scale.



LEGEND

1. Buena Vista Urbanization, 1992. ICP/CAT/YA- 92-13-03.
2. Construcción del Sistema Soterrado Urbano, 2008. ICP/CAT/YA -8-10-07. (Highlighted in Green Color).
3. Condominio Covadonga, 2000. ICP/CAT/YA 06-10-03.
4. Jardín del Paraíso, Vivienda de Interés Social, 2008 ICP/CAT/YA -08-10-06.
5. Commercial Residential Building, 2014. ICP/CAT/YA -14-12-02.



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Topographic Map, 1946.

Figure 09. Scale: 1: 30000.

Coordinates: Lat: 18.035345, Lon: -66.852073

Source: USGS Topographic Maps. <https://ngmdb.usgs.gov/topoview/>



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Topographic Map, 1952.

Figure 10. Scale: 1: 30000.

Coordinates: Lat: 18.035345, Lon: -66.852073

Source: USGS Topographic Maps. <https://ngmdb.usgs.gov/topoview/>



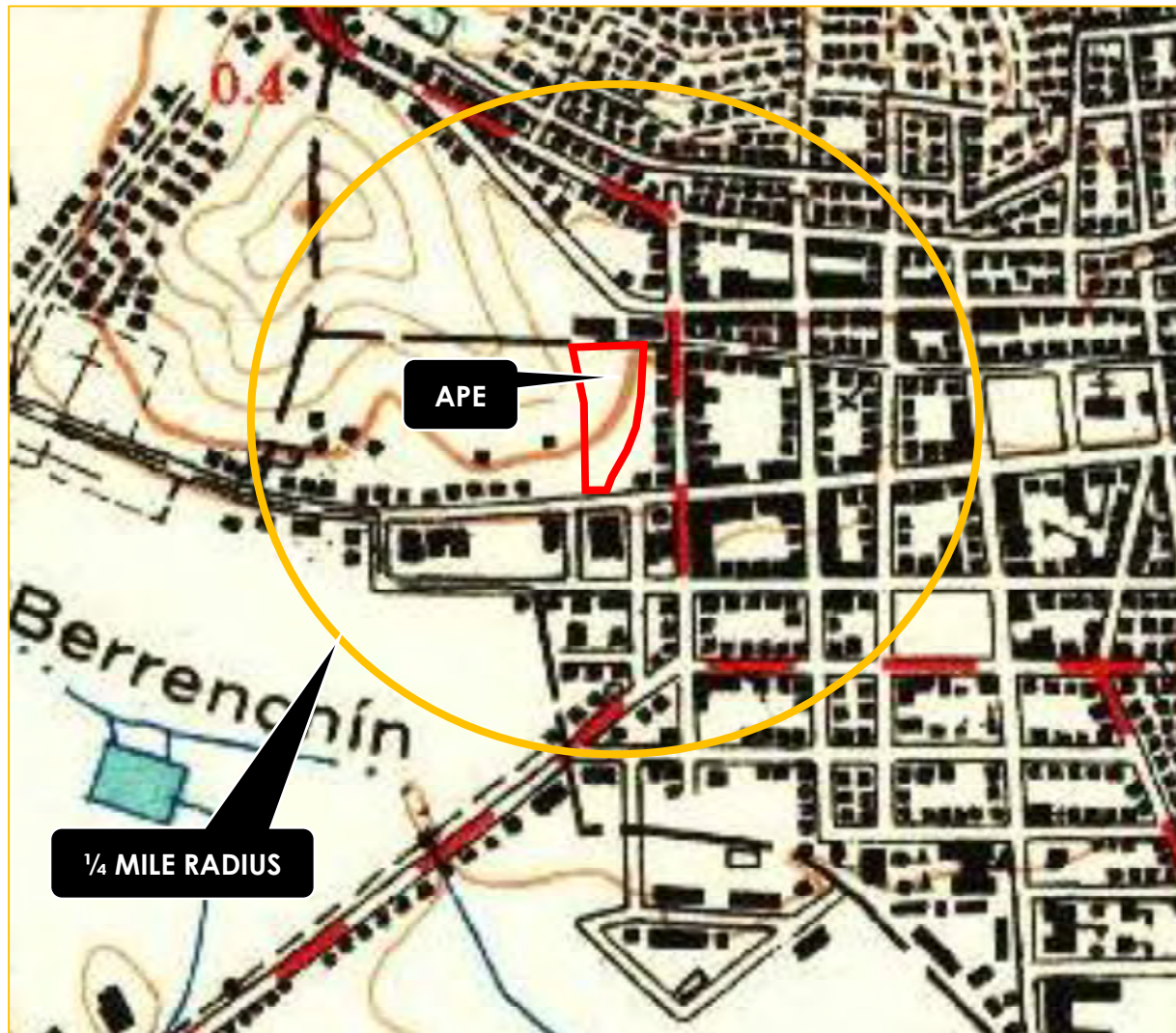
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Topographic Map, 1958.

Figure 11. Scale: 1: 20000.

Coordinates: Lat: 18.035345, Lon: -66.852073

Source: USGS Topographic Maps. <https://ngmdb.usgs.gov/topoview/>



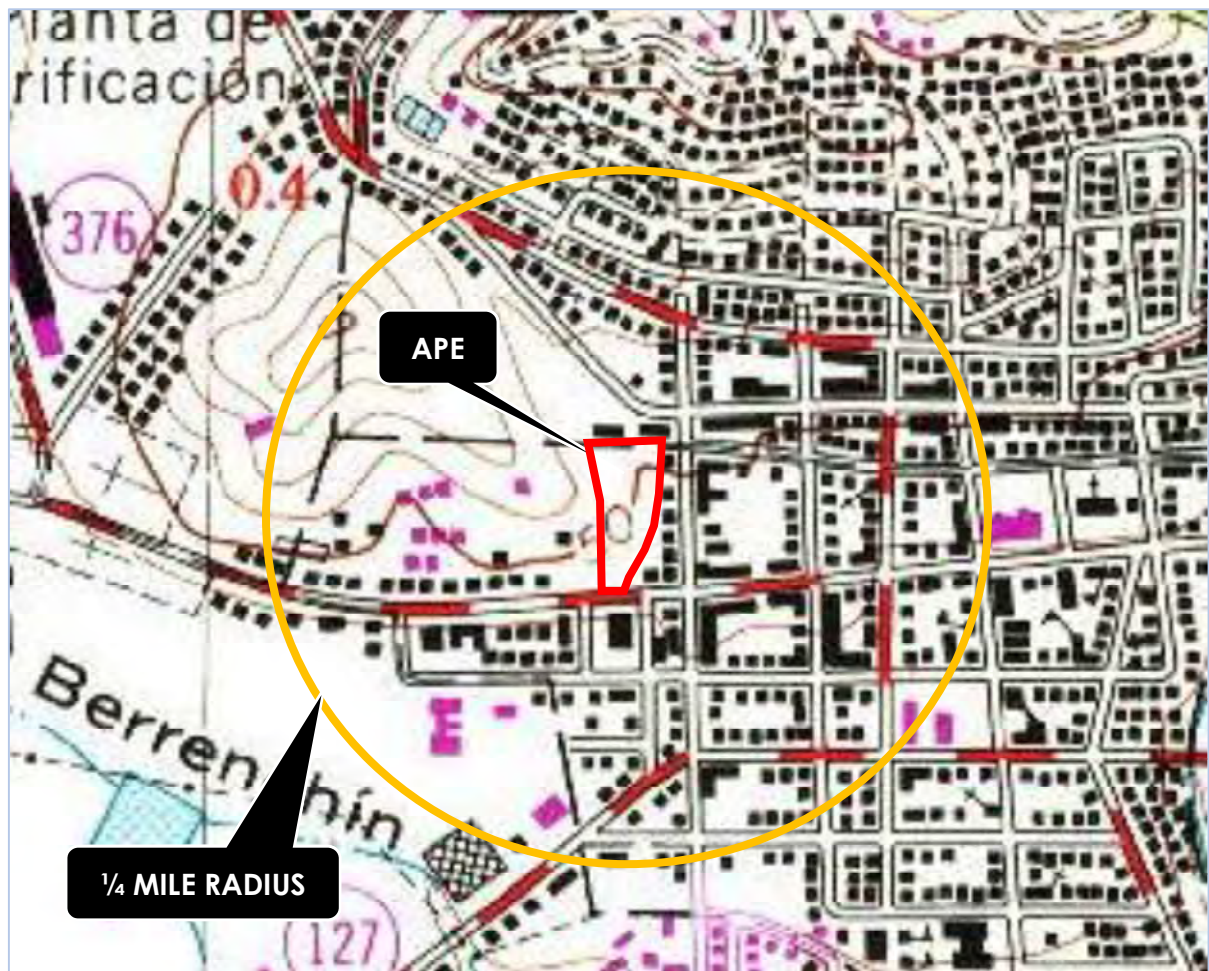
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Topographic Map, 1966.

Figure 12. Scale: 1: 20000.

Coordinates: Lat: 18.035345, Lon: -66.852073

Source: USGS Topographic Maps. <https://ngmdb.usgs.gov/topoview/>



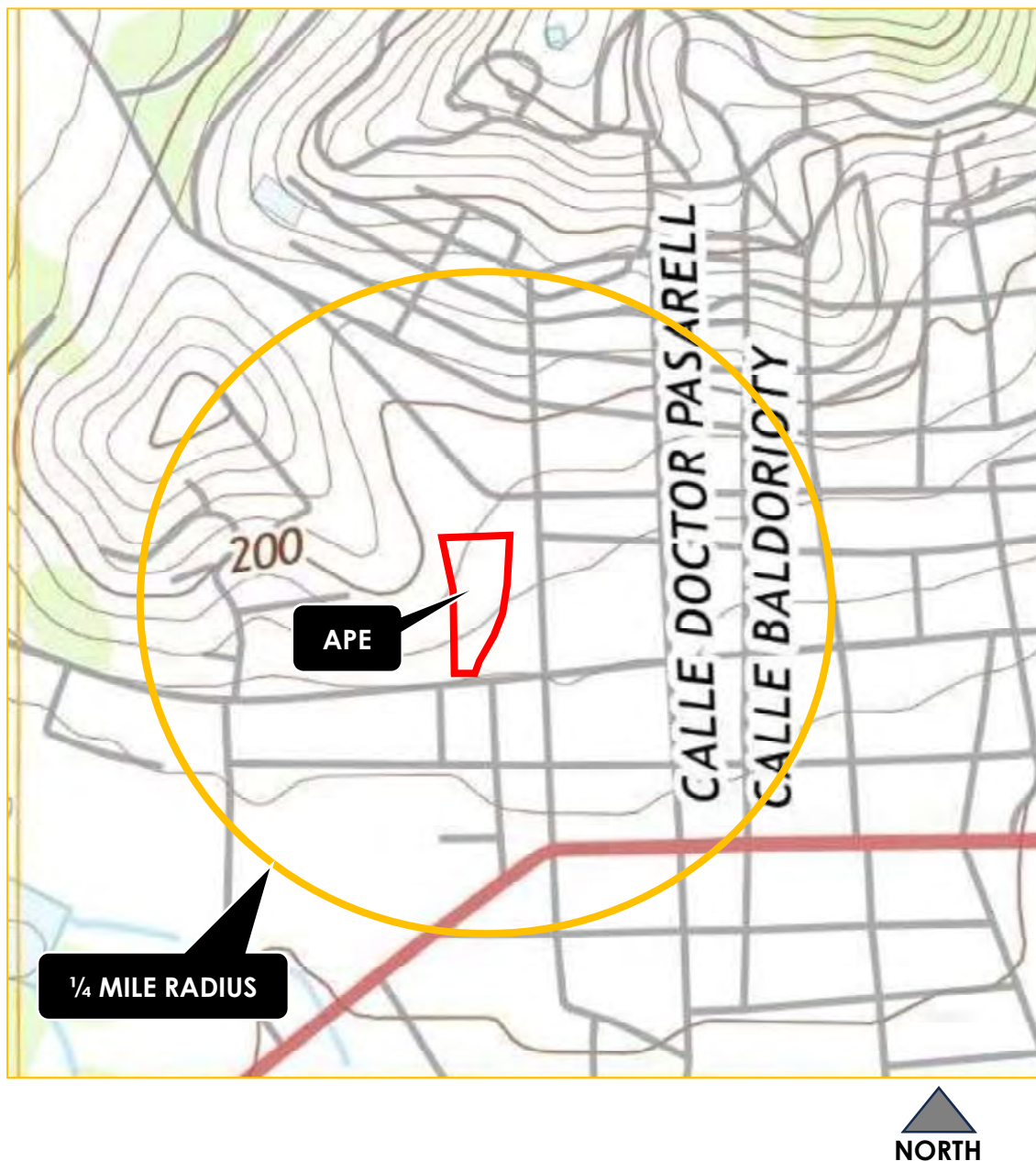
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Topographic Map, 2013.

Figure 13. Scale: 1: 20000.

Coordinates: Lat: 18.035345, Lon: -66.852073

Source: USGS Topographic Maps. <https://ngmdb.usgs.gov/topoview/>



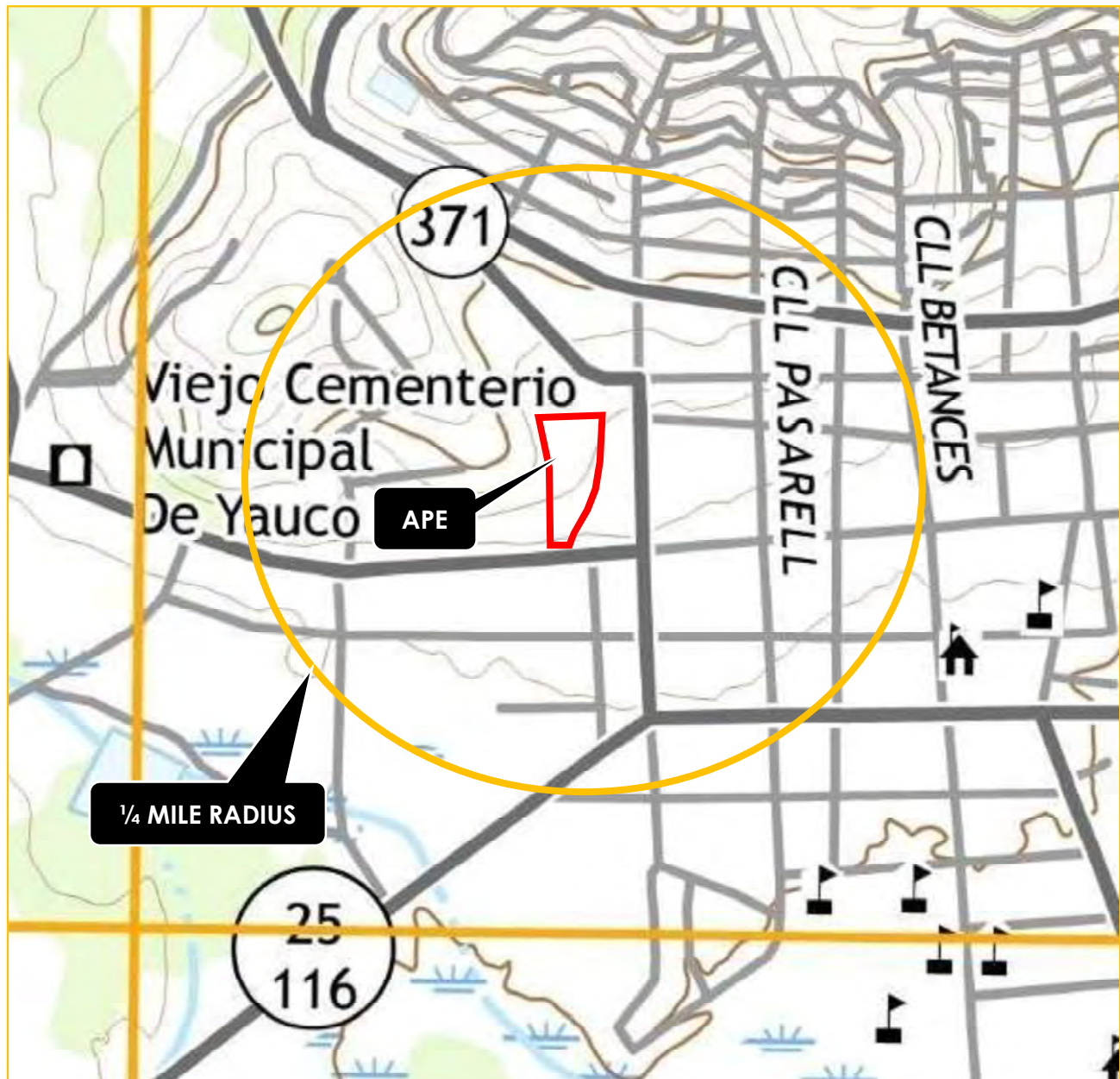
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Topographic Map, 2018.

Figure 14. Scale: 1: 20000.

Coordinates: Lat: 18.035345, Lon: -66.852073

Source: USGS Topographic Maps. <https://ngmdb.usgs.gov/topoview/>



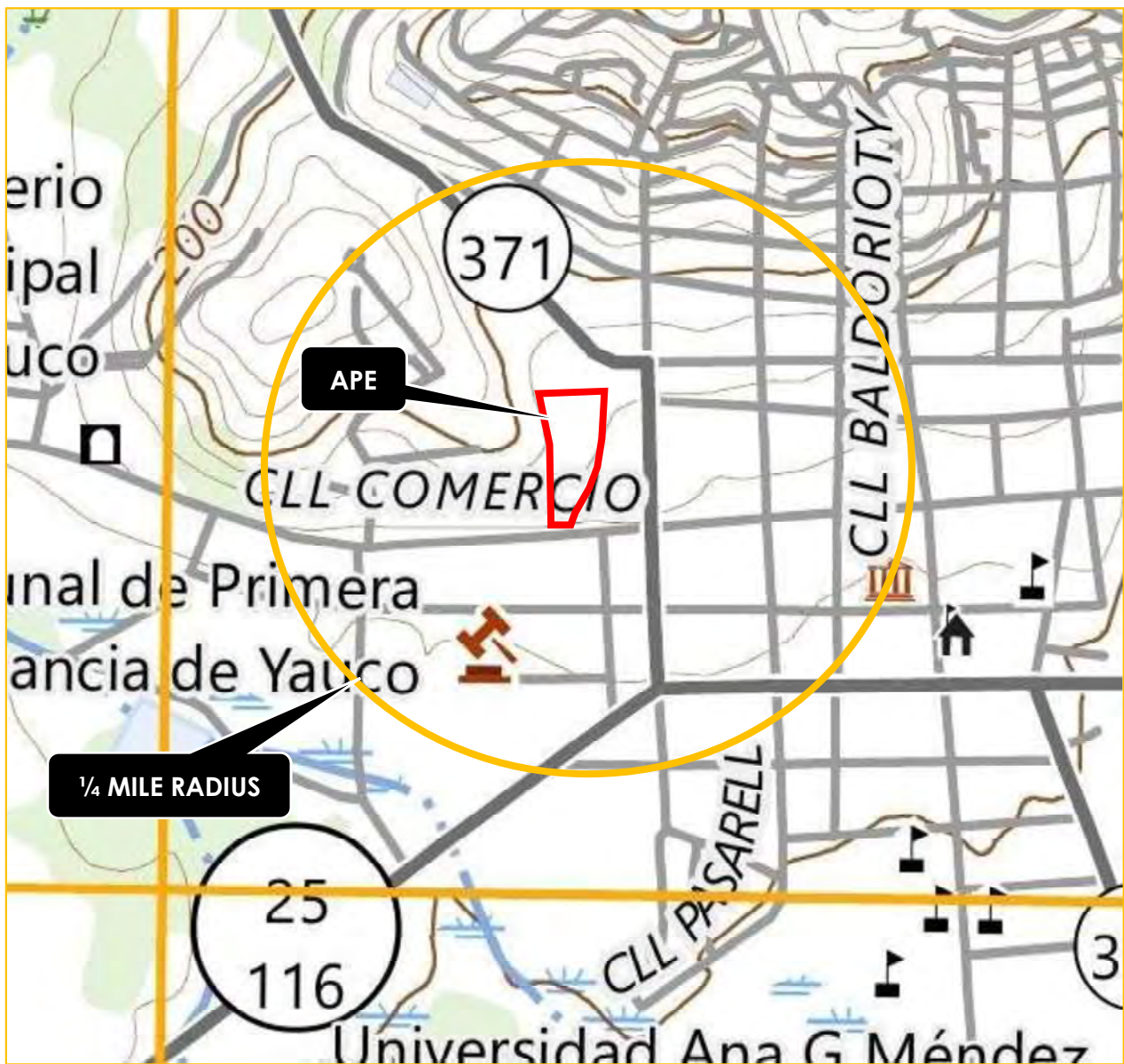
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Topographic Map, 2024.

Figure 15. Scale: 1: 20000.

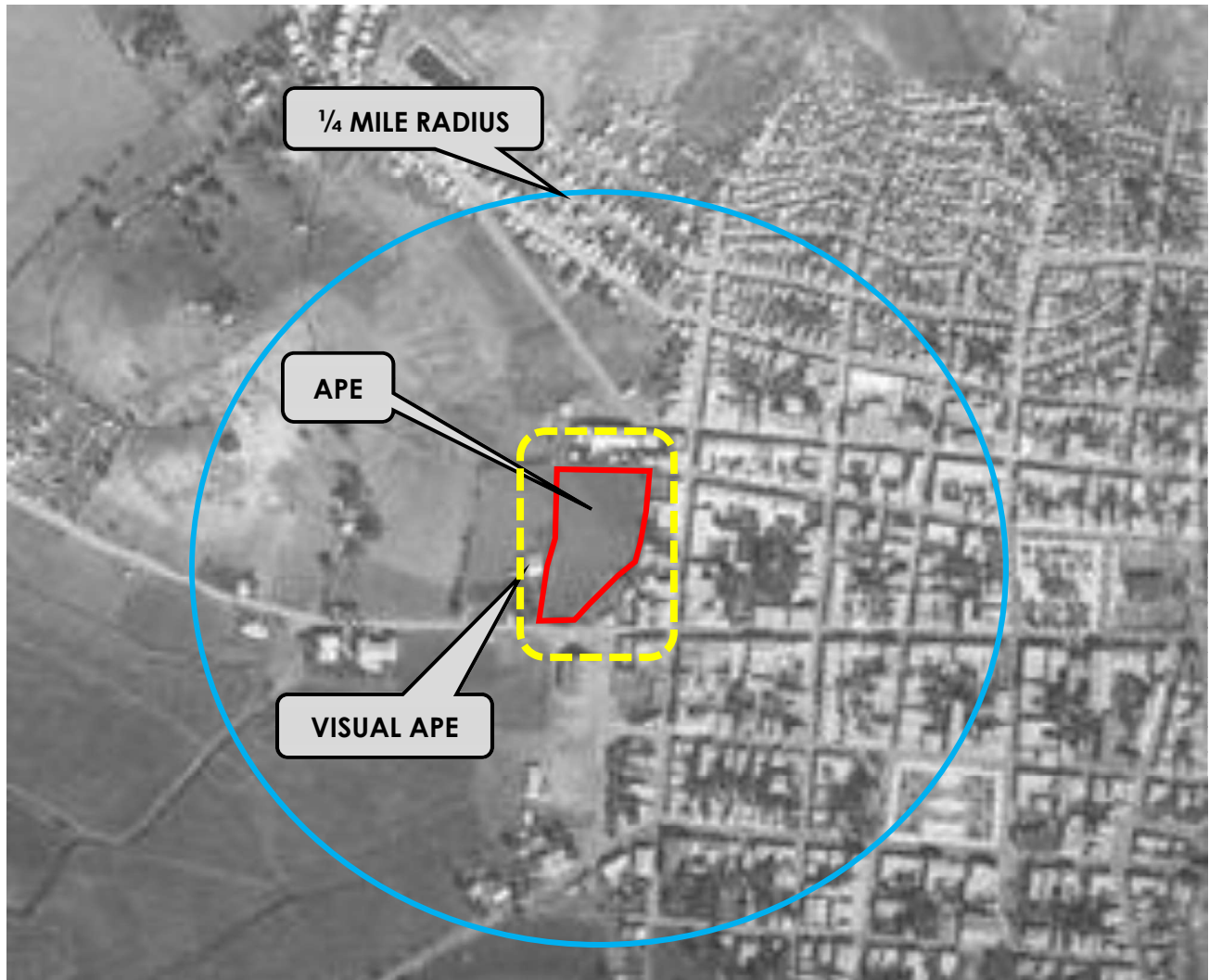
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Source: USGS Topographic Maps. <https://ngmdb.usgs.gov/topoview/>



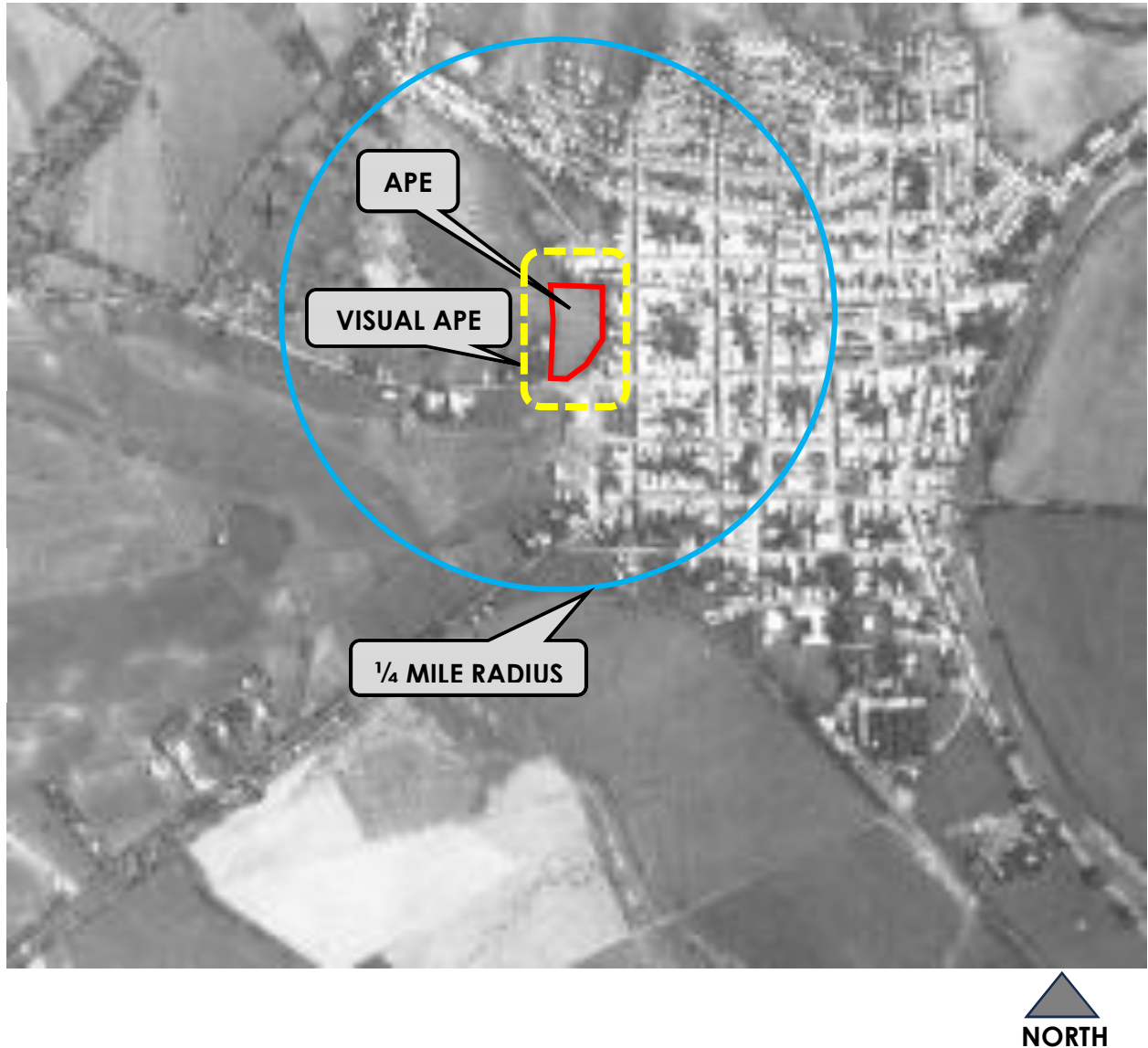
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Historic Aerial Photo, 1931.
 Figure 16. Not to Scale.
 Source: DTOP Photogrammetry.



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Historic Aerial Photo, 1936.
 Figure 17. Not to Scale.
 Source: DTOP Photogrammetry.



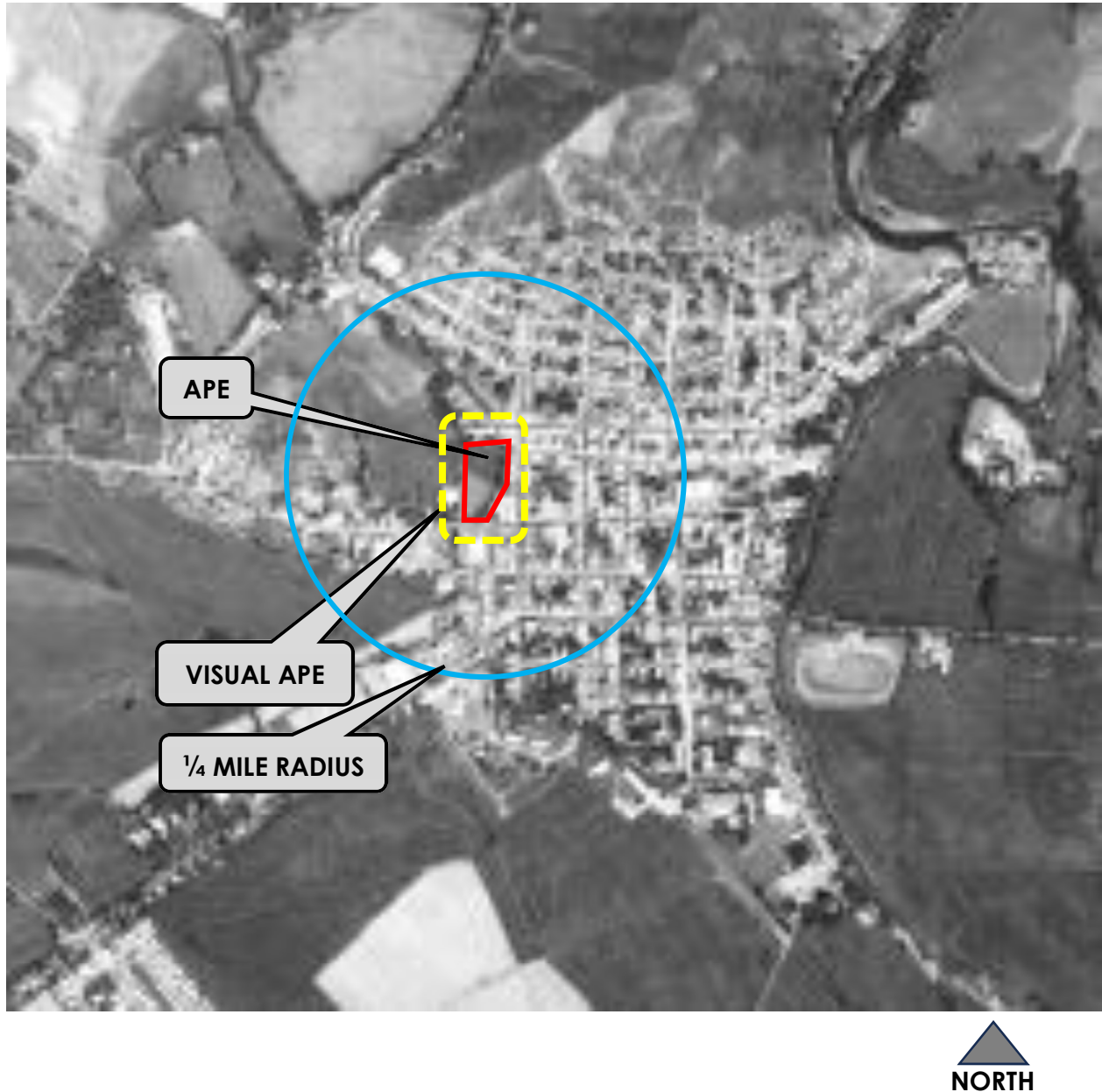
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Historic Aerial Photo, 1950.
 Figure 18. Not to Scale.
 Source: DTOP Photogrammetry.



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Historic Aerial Photo, 1963.
 Figure 19. Not to Scale.
 Source: DTOP Photogrammetry.



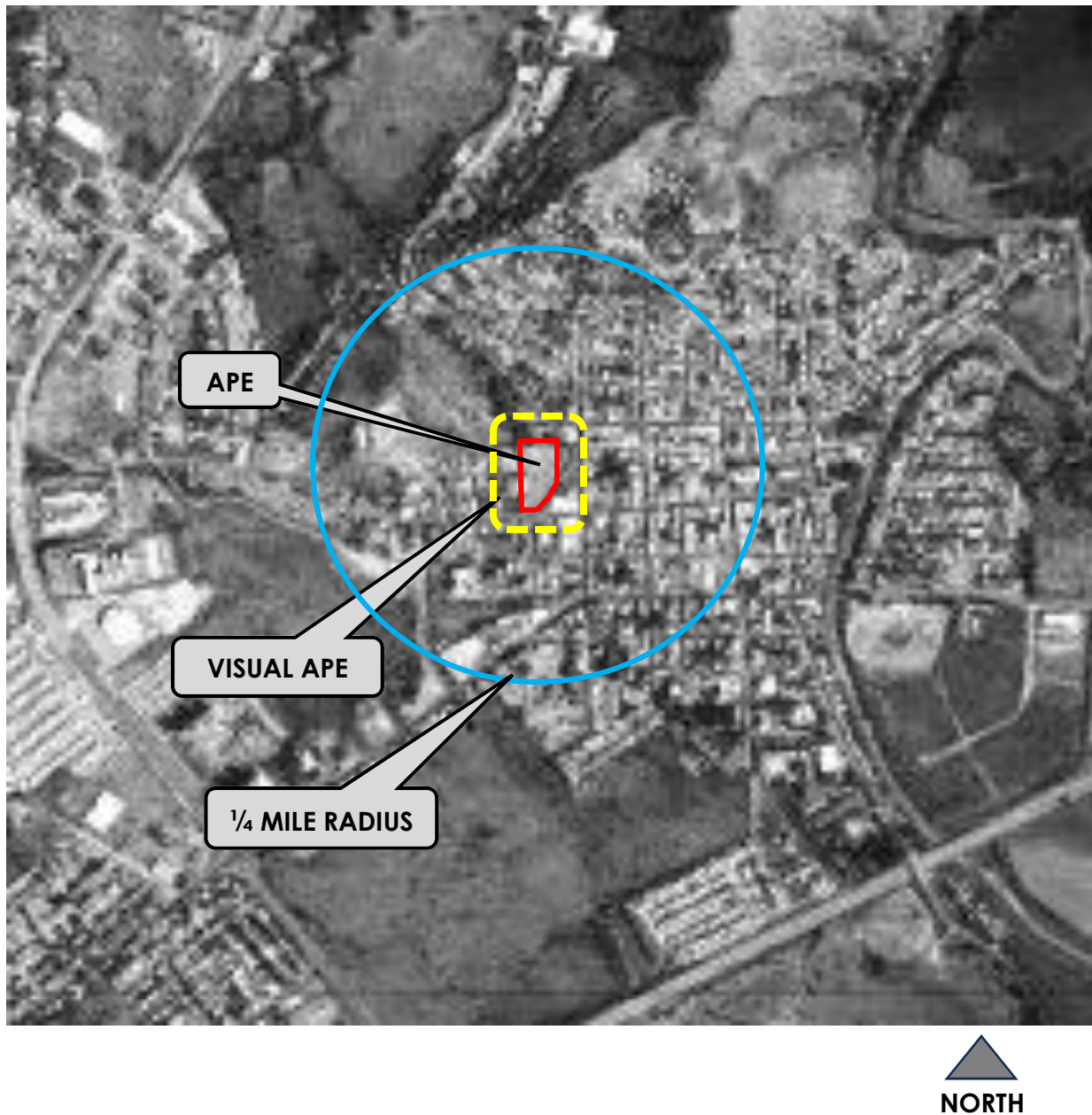
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Historic Aerial Photo, 1971.
 Figure 20. Not to Scale.
 Source: DTOP Photogrammetry.



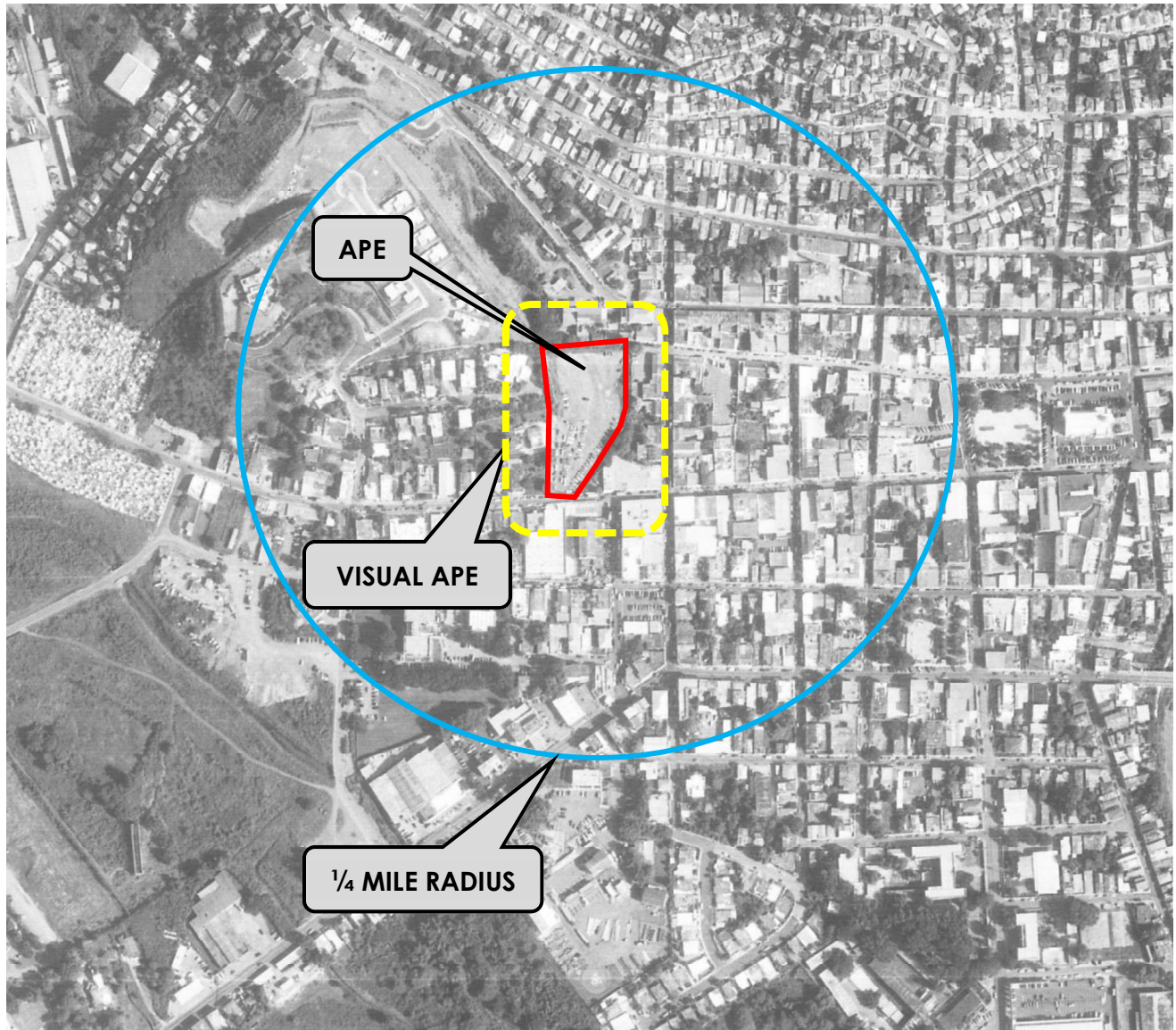
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Historic Aerial Photo, 1983.
 Figure 21. Not to Scale.
 Source: DTOP Photogrammetry.



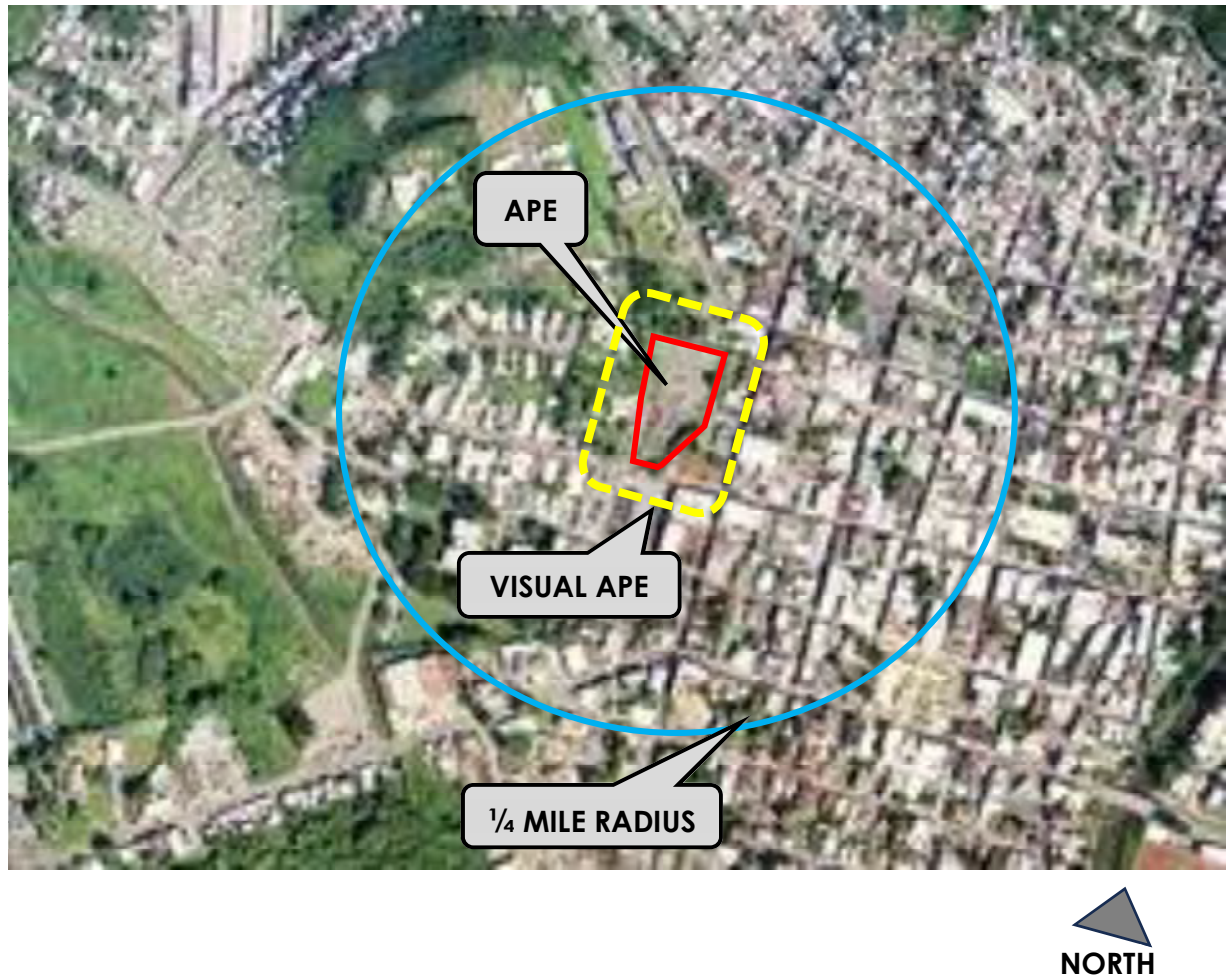
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Historic Aerial Photo, 1995.
 Figure 22. Not to Scale.
 Source: DTOP Photogrammetry.



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Historic Aerial Photo, 2005
 Figure 23. Not to Scale.
 Source: DTOP Photogrammetry.



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Analysis of topographic quadrangles and aerial photographs

The analysis of the topographic quadrangles (1946, 1952, 1958, 2013, 2018, and 2024) and aerial photographs (1931, 1936, 1950, 1963, 1971, 1983, 1995, and 2005), clearly evidence the site is unoccupied. The APE site has remained unoccupied to the present.


Conclusions

There are no archeological resources registered or known within the ¼ mile radius of the APE. The closest historical cultural resources to the APE are in the Historic Zone of Yauco.

The oldest historical quadrangles documenting the town of Yauco are the 1946, 1952, and 1958 quadrangles. In these quadrangles, the APE parcel is observed undeveloped. In the aerial photographs of 1931, 1936, 1950, 1963, 1971, 1983, 1995, and 2005, the APE area continued to be undeveloped. The APE parcel is still undeveloped and used as a parking lot area by Yauco Municipality.

Based on the reviews and analysis of historical context, archaeological context, topographical, and aerial photography, it can be established that the sector of the Direct APE is an undeveloped suburban parcel. The parcel is owned by the municipality of Yauco. Based on the historical review and the analysis of archaeological, topographical, and aerial photograph data, it can be established that the parcel has always been a parking area since its original intervention. There is no record or information available that archeological studies were conducted before the construction works and ground disturbances were carried out to develop the parking area.

The property that conforms to the Direct APE has a nearly triangular polygonal perimeter configuration with a land area of approximately 1.81 acres. The current use of this land is dedicated to public parking that serves the west section of the Traditional Urban Center and especially the Market Square, on the south side of the parcel and which also has its main entrance access. The terrain has a longitudinal axis that runs from north to south with a very steeped topographic condition that increases altitude in the direction to the north.

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Due to the characteristics of the proposed project, it will not affect any of the cultural resources nearby. Based on this analysis, we do not recommend additional archaeological studies for the APE site.


Identification of Historic Properties – Architecture

Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information, by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61), shows that the project area is adjacent to the JP/ICP Yauco Historic Zone, and National Register-eligible Yauco Traditional Urban Center.

Yauco Historic Zone (Figure 24) is recognized by means of the JP/ICP Resolution: 2023-60-JP-ZH and by PRSHPO, which also includes several properties that are NRHP-listed and in the JP/ICP Puerto Rico Register. There are no properties within the Direct APE, despite its proximity to the Historic Zone, but there are five (5) properties that in the viewshed of the Indirect APE which are listed or eligible, (See Figures 26 to 39):

- Municipality Art and History Museum, and Library, (1880). JP/ICP Listed.
- Rubble-works wall remnants. (ca. 1890). Eligible.
- Private Residence Property. (Vacant-Ruins). (ca.1890). Eligible.
- Market Square, (Plaza del Mercado), 1925. JP/ICP Listed.
- Public Health Unit, 1937. NHRP, JP/ICP Listed

It is noteworthy to indicate that the Direct APE boundaries are on the west perimeter of the Historic Zone/District in which it locates its partial demarcation on the east side by Fernando Pacheco Street and on the south on Comercio Street. Also, it can be inferred from observation of quadrangles and aerial photographs that the areas to the north and west of the terrain were developed later, possibly between the end of the last and the beginning of the present century.

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According to the analysis of the topographic quadrangles and the succession of historical aerial photographs, the parcel of land could be identified as an inhabited area on the low part of a mountain, in the western sector of the town of Yauco, by 1931. The Market Square has already existed since its construction in 1925.

This land remains unoccupied despite the expansion of the Foundational Center or Traditional Urban Center of Yauco in the direction of the west of the region. It is not until the decade between the 1980s-90s, in which the land was impacted to be used as a parking lot. It can be observed, especially for its commercial sector, especially on Comercio Street, and the need of the municipality to provide this type of facility for a growing, expanding town and compact urban blocks.

There are approximately 126 properties within the ¼ mile radius that are part of the Historic Zone which conforms the Traditional Urban Center of Yauco. Several historic properties have been identified that are currently part of the Indirect/Visual APE and are included in the Historic Zone/District, some listed in either the JP/ICP or NRHP. These properties will not be impacted on or intervened by the proposed project.

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CITY REVITALIZATION PROGRAM (CRP)

Section 106 NHPA Effect Determination

Applicant: Municipality of Yauco, Puerto Rico

Program ID Number: PR-CPR-001142

Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano

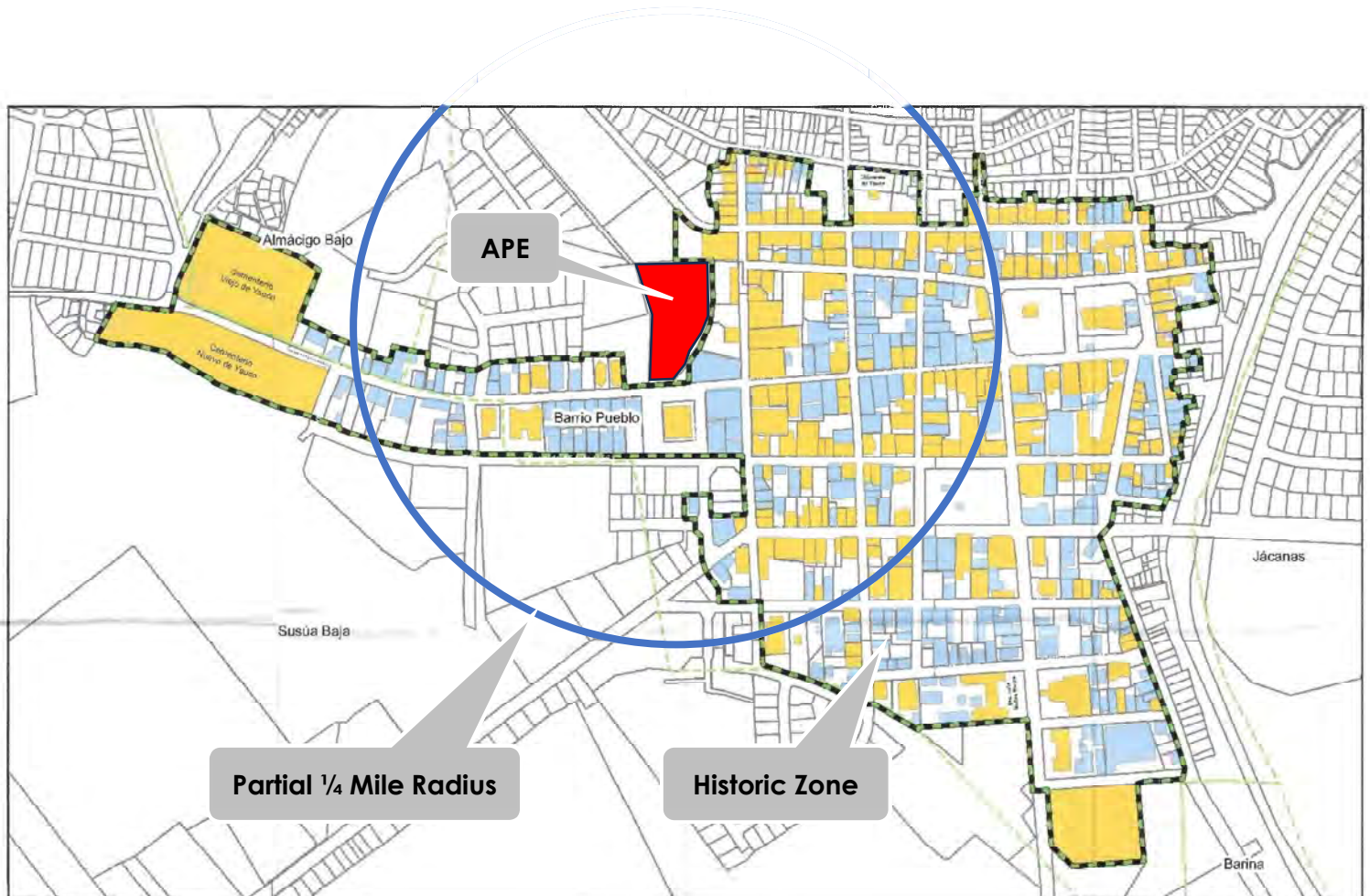


GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

Historic Zone Designation and Demarcation Zone of Yauco, Puerto Rico, 2023.

Figure 24. Not to Scale.

Source: Planning Board of Puerto Rico/ Applied Engineering Group.




Fuente: Junta de Planificación.

inzany_w / 7/18/2023 SPCS PR&VI NAU83

 <p>GOBIERNO DE PUERTO RICO Junta de Planificación</p> <p>MAPA DE DESIGNACIÓN Y DEMARCACIÓN DE LA ZONA HISTÓRICA MUNICIPIO DE YAUCO.</p>	<p>A TENOR CON LAS DISPOSICIONES DE LA LEY NÚM. 374 DEL 14 DE MAYO DE 1949, LEY NÚM. 3 DEL 2 DE MARZO DE 1951, LEY NÚM. 75 DEL 24 DE JUNIO DE 1975 Y LEY NÚM. 48 DEL 24 DE JUNIO DE 2022, SEGÚN ENMENDADAS, ESTA JUNTA DE PLANIFICACIÓN ADOPTÓ EL MAPA DE DESIGNACIÓN Y DEMARCACIÓN DE LA ZONA HISTÓRICA DE YAUCO, EN SU REUNIÓN DEL 17 DE MAYO DE 2023, MEDIANTE LA RESOLUCIÓN 2023-60-JP-ZH.</p>	<p><i>Julio Lasido Ruiz, LL.M., MP, PPL</i> Presidente</p> <p><i>JOSE DIEZ VÍZ, M.Sc., D.B.S.</i> Miembro Asociado</p>	<p><i>Rebeca Rivera Torres, MRP, PPL</i> Miembro Asociado</p> <p><i>Lourdes Rivera Rivera, BSEE, CAPM</i> Miembro Asociado</p>	<p><i>COGARD VÁZQUEZ RIVERA</i> Secretario Interino</p> <p>425-8-5-2023</p> <p>YIGER-04</p>	<p>Escala: 1:5,000 0 40 80 Metros</p> <p>Legenda</p> <ul style="list-style-type: none">Historic ZonePartial 1/4 Mile RadiusUnidad de ConservaciónParcelas 
--	--	--	--	---	--

Historic Zone Designation and Demarcation Map for Yauco Municipality adopted May 17th, 2023, by means of The Planning Board of Puerto Rico, Resolution 2023-60-JP-ZH.



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Historic Properties within the APE and Visual/Indirect APE Map.

Figure 25. Coordinates: 18.03534545, Lon: -66.85207347.


Not to Scale. Source: Google Earth, 2024.



No Historic properties are located within the project Direct APE. Several historic properties could be identified in the viewshed of the Indirect/APE:

- A. (Visual/APE). Municipality Art and History Museum, and Library, (1880).
- B. (Visual/APE). Rubble-works remnants. (ca. 1890).
- C. (Visual/APE). Private Residence Property. (Vacant-Ruins). (ca.1890).
- D. (Visual/APE). Market Square, (Plaza del Mercado), 1925.
- E. (Visual/APE). Public Health Unit. (Now private offices), 1937.



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Historic Properties identified within Visual/APE.

A. Museum of Art, History and Public Library of Yauco de Puerto Rico, 1880¹⁵. Listed.

The original building was of one level built in 1880. In the 1930's the second floor was built with two terraces and two cantilevered balconies. One, on the side facing Mattei Lluveras Street and another on Muñoz Rivera Street.

Originally constructed in masonry and rubblework, the property has been remodeled to become the Catalá Library and the Cecilia Franceschini Filardi de Catalá Museum of Art and History, which was inaugurated on October 30, 2014. Built between the 19th and the beginning of the 20th Centuries as a Colonial Creole Style, it is a contributing and listed property part of the JP/ICP in the Historic Zone-District of Yauco. Located within the north-east boundaries of the proposed project Visual APE whose distance from the center of the Direct APE is 275 Linear Feet (0.06 miles). (Figures 26 to 28).

Figure 26. Art and History Museum/ Public Library of Yauco, Puerto Rico, 1880.



¹⁵ Inventario de los Recursos Arquitectonicos de Yauco de Puerto Rico, Wilbert Pagán Ayala, 20 de noviembre de 2016. (Inventory of the Architectural Resources of Yauco de Puerto Rico, Wilbert Pagán Ayala, November 20, 2016).



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Figure 27. Museum of Art, History and Public Library of Yauco de Puerto Rico, 1880.
Fernando Pacheco Street Facade



Figure 28. Museum and Library at Muñoz Rivera Street Façade.



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B. Rubbleworks remnants, ca. 1890. Eligible.

These are remnants of a rubblework construction that is in the north-east perimeter and whose distance from center of Direct APE is 180 Linear Feet, (0.04 miles). It was probably part of the existing property wall which remains in the south of Mattei Lluveras Street and in which an art mural has been painted. It can be eligible under Criteria C that could embody the distinctive characteristic of a type, period and method of construction. (Figures 29 -30), and (Photos #39, 42, and 49).

Figure 29. Existing rubble works remnants at the north-east of the Direct APE site. View towards the east.
 Source: Applied Engineer Group.





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Figure 30. Existing rubble works remnants at the north-east Direct APE site. View towards the south-east.
 Source: Applied Engineer Group.



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C. Private property (Vacant and in a partially ruined state) on Fernando Pacheco Street, ca.1890. Visual APE. Eligible.

This is a 19th-20th Century Spanish Colonial Creole Style, commercial-storage type property. The façade plane is aligned with the sidewalk. Squared rubble work. smooth slaked lime and sand plastered finished surface with typical characteristic ornamentation vocabulary of the style. Details such as elevated parapet on top of the façade plane, straight cornice, ample paneled double doors fenestrations, surrounded with wide rectangular strip including the continuous base, and architrave above the door's transoms. It also possesses a porch or access area to an interior lateral courtyard, located at the right side of the façade, with an elliptical (Carpanel) arch opening. It is possible that it was constructed after the original property was built.

Located within the east boundaries of the proposed project Visual APE, whose distance from center of the Direct APE is 240 Linear Feet, (0.04 miles), it is a contributing property, included in the JP/ICP Historic Zone-District of Yauco, Puerto Rico. It can be eligible under Criteria C that could embody the distinctive characteristic of a type, period and method of construction. (Figures 31 to 33).

Figure 31. Private property (Vacant) on Fernando Pacheco Street.




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Figures 32. Private property on Fernando Pacheco Street. Side porch access area with elliptical (Carpnel) arch.



Figure 33. Private property view towards north on Fernando Pacheco Street.



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D. Plaza del Mercado (Market Square) de Yauco, Puerto Rico. Listed.

Built in 1925, the Market Square of Yauco, under the administration of Mayor Don Arturo Lluberas. It was the first structure that housed, under one roof, all the market-related functions, which until 1925, were carried out in open lots. This new typology is the result of the health and hygiene standards and normative that were introduced by the U.S. government on the island. The construction work was overseen by Don Gaspar Roca and Don Francisco Bonilla.

The work followed the architectural pattern and expressions of the Rio Piedras Market Square, made by Architect Fidel Bufil Ramos. The engineer was Blas C. Silva. The original building is made of reinforced concrete with a steel corrugated panel covered roof over wooden trusses, it was 102' long and 78' wide, a central nave of 45' and two side naves of 17', and the height of the central nave of 20', and the side naves 11' with 8' stalls.

Between 1950 and 1960 it was remodeled, changing its glass pediment from one complete piece to one with three segments. In addition, the corrugated metal roofs were replaced by flat reinforced concrete roofs. Located within the south boundaries of the proposed project Visual APE whose distance from the center of the Direct APE is 370 Linear Feet, (0.07 miles). It is a contributing listed property, and part of the JP/ICP Historic Zone-District of Yauco, Puerto Rico. (Figures 34 to 36).


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Figure 34. Plaza del Mercado (Market Square) de Yauco, Puerto Rico, 1925.¹⁶



¹⁶ Inventario de los Recursos Arquitectonicos de Yauco de Puerto Rico, Wilbert Pagán Ayala, 20 de noviembre de 2016. (Inventory of the Architectural Resources of Yauco de Puerto Rico, Wilbert Pagán Ayala, November 20, 2016).


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Figure 35. Plaza del Mercado de Río Piedras, 1925¹⁷. (Demolished).

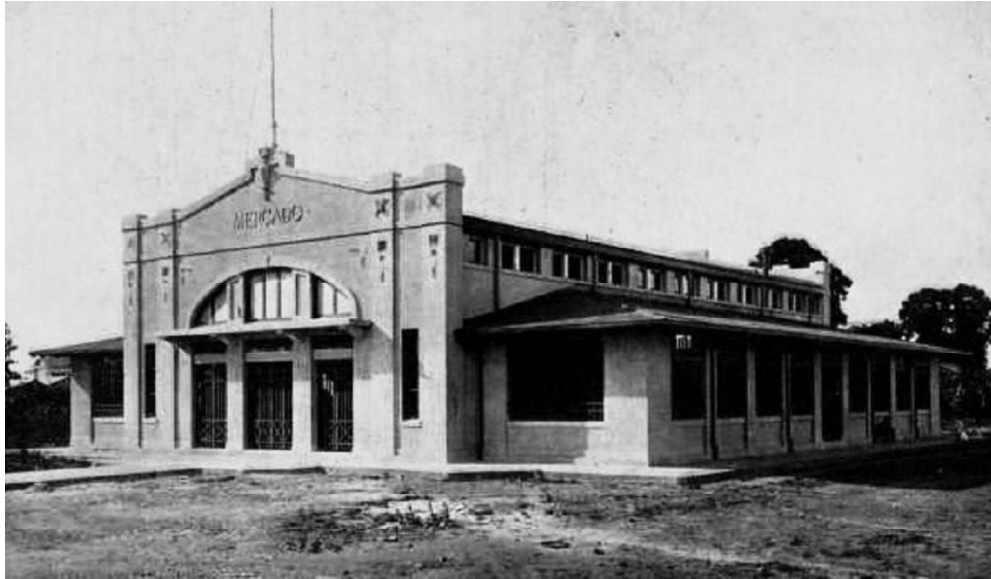



Figure 36. Plaza del Mercado de Yauco (Yauco Market Square), 2024.¹⁸
Existing Conditions



¹⁷ Idem.

¹⁸ Idem, and General Archive of Puerto Rico (AGPR), Public Works, Series: Municipal Works, Leg 73 D, Exp. 2, Exp. 123.

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E. The Public Health Unit in Yauco, 1937. NRHP Listed.

It is a small reinforced concrete building with a flat roof and portico. These are some of the basic expression elements of the Spanish Revival Style from early 20th Century. The main entrance of this property is oriented towards Comercio Street. It is neighboring towards the west of the Municipal Market and close to the site that serves as the town's municipal parking lot.

This public health unit was one of two models built in Puerto Rico by the Puerto Rico Reconstruction Administration. As a public health unit, it was part of the preventive health and health education system established in 1926 by the Insular Department of Health in cooperation with the Rockefeller Foundation. On October 14th, 2021, the Public Health Unit in Yauco was included in the National Register of Historic Places, MP100007078.

Located within the south boundaries of the proposed project Visual APE, whose distance from center of the Direct APE is 362 Linear Feet, (0.07 miles), it is a contributing listed property, and part of the JP/ICP Historic Zone-District of Yauco, Puerto Rico. (Figures 37 to 39).

Figure 37. Public Health Unit of Yauco Puerto Rico, 1937. ¹⁹



¹⁹ PRSHPO National Register of Historic Places. Sr. José Marull, May 31st, 2024.



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Figure 38. Registered historic property (Public Health Unit) of Yauco Puerto Rico, 2024.



Figure 39. Registered historic property (Public Health Unit) of Yauco Puerto Rico, 2024.



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Determination

The following historic properties have been identified within the APE:

- Direct Effect:
 - There are no cultural resources that will be directly affected by the proposed project.
- Indirect Effect:
 - The existing cultural resources in the Visual/Indirect APE
 - The Market Square.
 - The Public Health Unit.
 - The Yauco Art and Historic Museum.

They are within and protected by the designation of the Yauco Historic Zone and the NRHP eligible Yauco Traditional Urban Center. These resources will not be indirectly affected by the proposed project.

Based on the results of our historic property identification efforts, the Program has determined that project actions will not affect the historic properties that compose the Area of Potential Effect.

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

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

- ☒ No Historic Properties Affected
☐ No Adverse Effect
 Condition (if applicable):
☐ Adverse Effect
 Proposed Resolution (if applicable)

This Section is to be Completed by SHPO Staff Only

The Puerto Rico State Historic Preservation Office has reviewed the above information and: <input type="checkbox"/> Concurs with the information provided. <input type="checkbox"/> Does not concur with the information provided.	
Comments: 	
Carlos Rubio-Cancela State Historic Preservation Officer	Date:

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM
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Project (Parcel) Location- Area of Potential Effect Map (Aerial)

Figure 40. Coordinates: 18.03534545, Lon: -66.85207347.
Not to Scale. Source: Google Earth, 2024.



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Project (Parcel) Location- Aerial Map

APE and Visual/Indirect APE Maps.

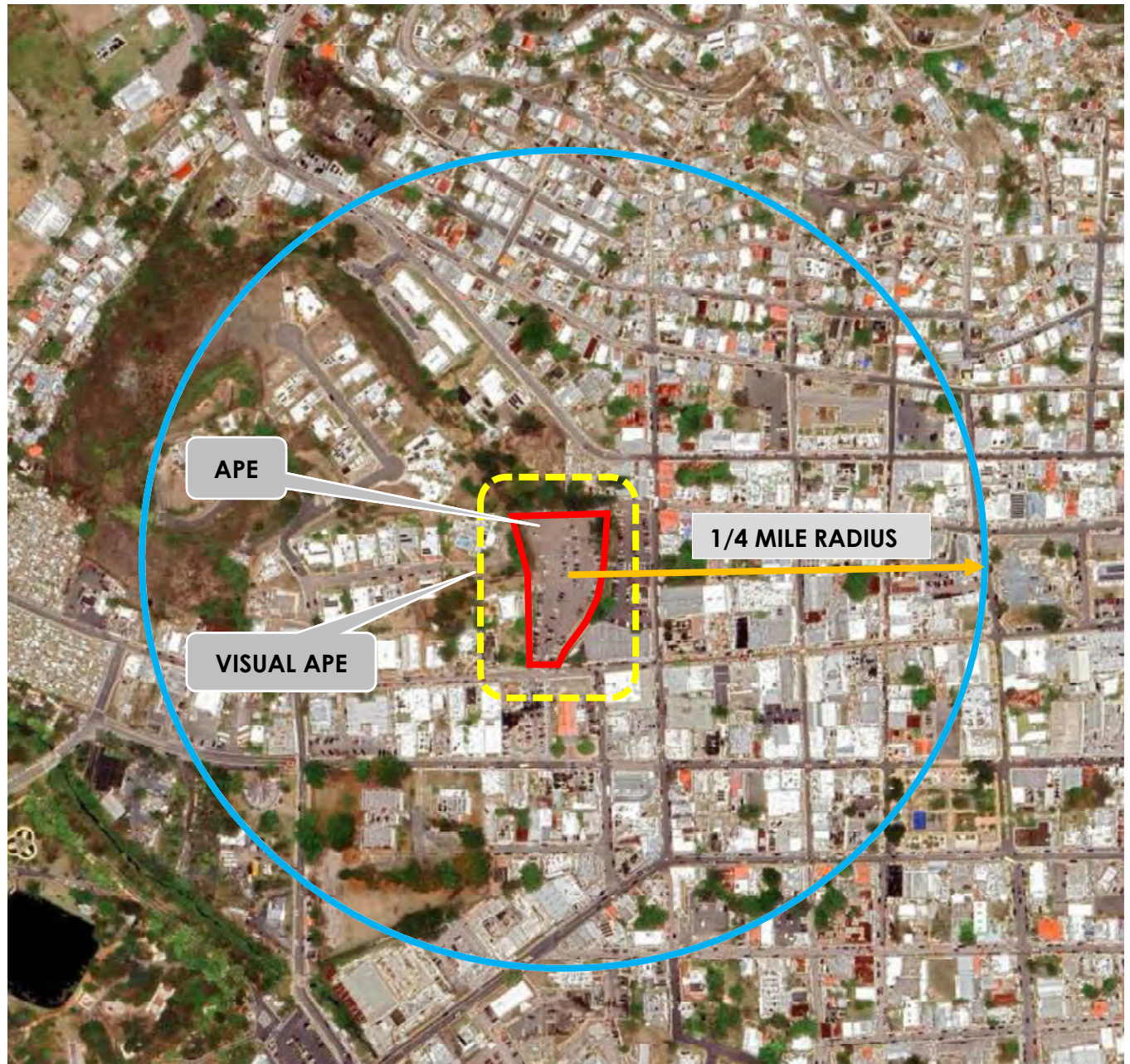
Figure 41. Coordinates: 18.03534545, Lon: -66.85207347.
Not to Scale. Source: Google Earth, 2024.




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1/4 Mile Radius Map.

Figure 42. Coordinates: 18.03534545, Lon: -66.85207347.
 Not to Scale. Source: Source: Google Earth, 2024.



PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CRP) Section 106 NHPA Effect Determination	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING	
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Project (Parcel) Location- USGS Topographic Map

Topographic Map, 2024.

Figure 43. Scale: 1: 20000.

Coordinates: Lat: 18.035345, Lon: -66.852073

Source: USGS Topographic Maps. <https://ngmdb.usgs.gov/topoview/>



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Project (Parcel) Location- Soils Map

Figure 44. Coordinates: 18.03534545, Lon: -66.85207347.
 Not to Scale. Source: Google Earth, 2024.



Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Ua	Urban land	2.0	100.0%
Totals for Area of Interest		2.0	100.0%

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Project (Parcel) Location with Known Cultural Resources- Aerial Map

Figure 45. Coordinates: 18.03534545, Lon: -66.85207347.
 Not to Scale. Source: Source: Google Earth, 2024.



LEGEND

- A. Yauco Art and Historic Museum, ca. 1880.
- B. Rubbleworks remnants.
- C. Private Residence, ca. 1890.
- D. Market Square, 1925.
- E. Public Health Unit, 1937.
- F. Historic Zone/District, (Figure 24).



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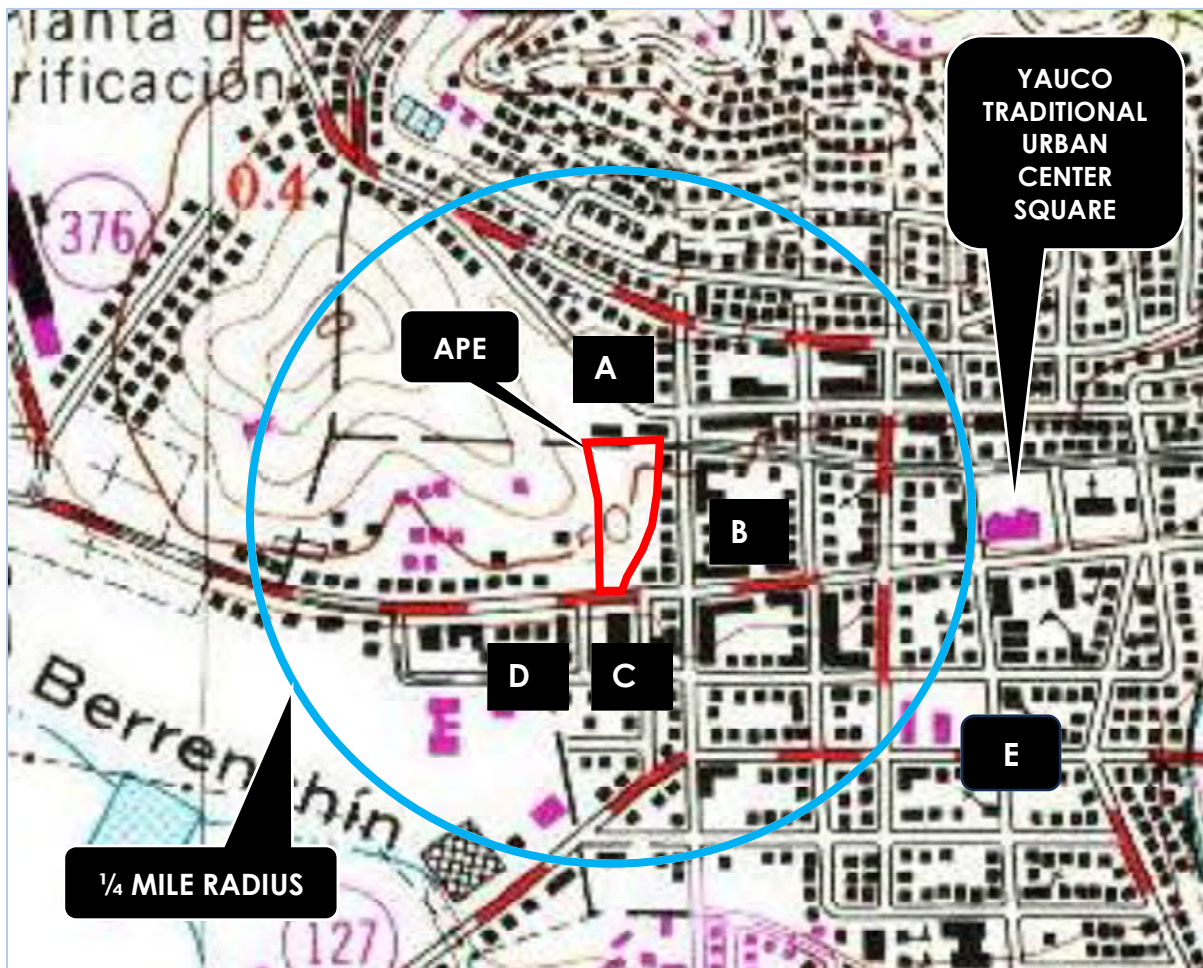
Applicant: Municipality of Yauco, Puerto Rico

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Project (Parcel) Location with Known Cultural Resources - USGS Topographic Map

Topographic Map, 1966.
 Figure 46. Scale: 1: 20000.
 Coordinates: Lat: 18.035345, Lon: -66.852073
 Source: USGS Topographic Maps. <https://ngmdb.usgs.gov/topoview/>



LEGEND

- A. Yauco Art and Historic Museum, ca. 1880.
- B. Private Residence, ca. 1890.
- C. Market Square, 1925.
- D. Public Health Unit, 1937.
- E. Historic Zone/District, (Figure 24).



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Photograph Key

Figure 47. Coordinates: 18.03534545, Lon: -66.85207347.
Not to Scale. Source: Google Earth, 2024.



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Photo: 01	Description: Visual APE. East view of Comercio Street.
Date:19/Nov/24	
	
Photo: 02	Description: Visual APE. South view towards the Plaza del Mercado, 1924. JP/ICP Historic Zone/District listed, contributing Spanish Revival Style property.
Date:19/Nov/24	






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Photo: 03	Description: Visual APE. West view of Comercio Street.
Date:19/Nov/24	
	
Photo: 04	Description: APE. North view towards the project (Parking) main entrance, from Comercio Street. Not located within the Historic Zone/District.
Date:19/Nov/24	

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Photo: 05	Description: Visual APE. North view from Comercio Street. Private property. Not located within the Historic Zone/District.
Date:19/Nov/24	
	
Photo: 06	Description: Visual APE. North view from Comercio Street. Private property. Not located within the Historic Zone/District.
Date:19/Nov/24	





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Photo: 07	Description: Visual APE. South view from Comercio Street. Located within the JP listed Historic Zone/District boundaries. Contributing Spanish Revival Style property. (Historic Municipal Health Services Unit). Now private offices.
Date:19/Nov/24	
	
Photo: 08	Description: Visual APE. East-south view from Comercio Street. Located within the JP listed Historic Zone/District boundaries. Contributing Spanish Revival Style property, partial facade. (Historic Municipal Health Services Unit). Now private offices.
Date:19/Nov/24	

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Photo: 09	Description: Visual APE. South view from Comercio Street. Located within the JP listed Historic Zone/District boundaries. Urban passive park over existing public parking facilities property.
Date:19/Nov/24	
	
Photo: 10	Description: Visual APE. South view from Comercio Street. Located within the JP listed Historic Zone/District boundaries. Urban passive park over existing public parking facilities property
Date:19/Nov/24	





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Photo: 11	Description: Visual APE. East view towards the Plaza del Mercado contributing property and within the boundaries of the JP/ listed Historic Zone/District.	
Date:19/Nov/24		
		
Photo: 12	Description: APE. North view towards the project (Parking) partial main entrance, from Comercio Street. Not located within the Historic Zone/District.	
Date:19/Nov/24		

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Photo: 13	Description: APE. North view towards the project (Parking) partial main entrance, from Comercio Street. Not located within the Historic Zone/District.
Date:19/Nov/24	
	
Photo: 14	Description: View towards the north-west side of the project APE. Not located within the Historic Zone/District.
Date:19/Nov/24	

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Photo: 15

Description: North view towards the project APE (Parking). Not located within the Historic Zone/District.

Date:19/Nov/24



Photo: 16

Description: North view towards the project APE (Parking). Not located within the Historic Zone/District.

Date:19/Nov/24

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



Applicant: Municipality of Yauco, Puerto Rico

Program ID Number: PR-CPR-001142

Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano



Photo: 17

Description: Visual APE. West view from the project APE (Parking). Property not located within the Historic Zone/District.

Date:19/Nov/24



Photo: 18

Description: South view from the project APE towards the Comercio Street and the Plaza del Mercado contributing property within the boundaries of the JP/ listed Historic Zone/District.

Date:19/Nov/24

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



Applicant: Municipality of Yauco, Puerto Rico

Program ID Number: PR-CPR-001142

Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano



Photo: 19

Description: North view towards the project APE (Parking). Not located within the Historic Zone/District.


Date:19/Nov/24





Photo: 20

Description: Visual APE. West view from the project APE (Parking). Not located within the Historic Zone/District.

Date:19/Nov/24

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CRP) Section 106 NHPA Effect Determination	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Applicant: Municipality of Yauco, Puerto Rico	
Program ID Number: PR-CPR-001142	
Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano	

	
Photo: 21	Description: Visual APE. North view from the project partial APE (Parking). Not located within the Historic Zone/District.
Date:19/Nov/24	
	
Photo: 22	Description: Visual APE. North view from the project partial APE (Parking). Not located within the Historic Zone/District.
Date:19/Nov/24	

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



Applicant: Municipality of Yauco, Puerto Rico

Program ID Number: PR-CPR-001142

Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano



Photo: 23

Description: APE. South view showing the parking and towards the Comercio Street.


Date:19/Nov/24






Photo: 24



Description: APE. East view towards north-east parking egress on Mattei Lluveras Street.


Date:19/Nov/24



PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CRP) Section 106 NHPA Effect Determination	
Applicant: Municipality of Yauco, Puerto Rico	
Program ID Number: PR-CPR-001142	
Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano	


	
Photo: 25	Description: APE. East view towards the north-east area of the parking project.
Date:19/Nov/24	
	
Photo: 26	Description: APE. South-east view towards the project parking area and partially viewed of the Fernando Pacheco Street urban profile. (Visual/APE).
Date:19/Nov/24	



PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CRP) Section 106 NHPA Effect Determination	
Applicant: Municipality of Yauco, Puerto Rico	
Program ID Number: PR-CPR-001142	
Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano	

	
Photo: 27	Description: APE. East view from the project parking area and partially viewshed of the Fernando Pacheco Street urban profile. (Visual/APE).
Date:19/Nov/24	
	
Photo: 28	Description: APE. East view from the project parking area and partially viewshed of the Fernando Pacheco Street urban profile (Visual/APE).
Date:19/Nov/24	

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CRP) Section 106 NHPA Effect Determination	
Applicant: Municipality of Yauco, Puerto Rico	
Program ID Number: PR-CPR-001142	
Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano	

	
Photo: 29	Description: APE. East view from the project parking area and partially viewshed of the Fernando Pacheco Street urban profile (Visual/APE).
Date:19/Nov/24	
	
Photo: 30	Description: APE. South-east view from the project parking area and partially viewshed of the Fernando Pacheco Street and partial Historic Zone/District urban profile (Visual/APE).
Date:19/Nov/24	

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CRP) Section 106 NHPA Effect Determination	
Applicant: Municipality of Yauco, Puerto Rico	
Program ID Number: PR-CPR-001142	
Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano	

	
Photo: 31	Description: APE. South view from the project parking towards the Comercio Street partial Historic Zone/District urban profile. (Visual/APE).
Date:19/Nov/24	
	
Photo: 32	Description: APE. South view from the project parking main entrance and towards the Comercio Street partial Historic Zone/District urban profile. (Visual/APE).
Date:19/Nov/24	



PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CRP) Section 106 NHPA Effect Determination	
Applicant: Municipality of Yauco, Puerto Rico	
Program ID Number: PR-CPR-001142	
Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano	





Photo:33	Description: APE. South view from north area of the parking project.
Date:19/Nov/24	



Photo: 34	Description: APE. South-west view from north area of the parking project.
Date:19/Nov/24	

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CRP) Section 106 NHPA Effect Determination	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Applicant: Municipality of Yauco, Puerto Rico	
Program ID Number: PR-CPR-001142	
Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano	

		
Photo: 35	Description: APE. West view from north area of the parking project.	
Date:19/Nov/24		
		
Photo: 36	Description: APE. West view from north area of the parking project.	
Date:19/Nov/24		


PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CRP) Section 106 NHPA Effect Determination	
Applicant: Municipality of Yauco, Puerto Rico	
Program ID Number: PR-CPR-001142	
Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano	

	
Photo: 37	Description: Visual/APE. East view towards the Mattei Lluveras Street from the north exit area of the project.
Date:19/Nov/24	
	
Photo: 38	Description: Visual/APE. North-east view towards Mattei Lluveras Street. Historic Zone/District urban profile. Municipal Museum and Library Contributing historic property.
Date:19/Nov/24	



PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CRP) Section 106 NHPA Effect Determination	
Applicant: Municipality of Yauco, Puerto Rico	
Program ID Number: PR-CPR-001142	
Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano	

	
Photo: 39	Description: Visual/APE. East view towards Mattei Lluveras Street Historic Zone/District.
Date:19/Nov/24	
	
Photo: 40	Description: Visual/APE. South-east view towards Fernando Pacheco Street Historic Zone/District urban profile.
Date:19/Nov/24	


PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CRP) Section 106 NHPA Effect Determination	
Applicant: Municipality of Yauco, Puerto Rico	
Program ID Number: PR-CPR-001142	
Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano	

	
Photo: 41	Description: Visual/APE. South view towards Fernando Pacheco Street Historic Zone/District urban profile and additional parking area.
Date:19/Nov/24	
	
Photo: 42	Description: Visual APE. South view towards painted mural on an historic wall remnant in Mattei Lluveras Street from the Historic Zone/District. Contributing public art.
Date:19/Nov/24	






PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CRP) Section 106 NHPA Effect Determination	
Applicant: Municipality of Yauco, Puerto Rico	
Program ID Number: PR-CPR-001142	
Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano	

	
Photo: 43	Description: Visual/APE. North view towards Municipal Museum and Library on the Historic Zone/District in the Mattei Lluveras and corner of Fernando Pacheco Street. Contributing historic property.
Date:19/Nov/24	
	
Photo: 44	Description: Visual/APE. North view towards Municipal Museum and Library on the Historic Zone/District in the Mattei Lluveras and corner of Fernando Pacheco Street. Contributing historic property.
Date:19/Nov/24	

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CRP) Section 106 NHPA Effect Determination	
Applicant: Municipality of Yauco, Puerto Rico	
Program ID Number: PR-CPR-001142	
Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano	

		Description: Visual/APE. West view of the Municipality Museum and Library emblem signage on Fernando Pacheco Street in the Historic Zone/District.
Photo: 45	Date:19/Nov/24	
		Description: Visual/APE. North view towards the corner of Fernando Pacheco and Mattei Lluveras Street in the Historic Zone/District. Contributing vacant property.
Photo: 46	Date:19/Nov/24	

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CRP) Section 106 NHPA Effect Determination	
Applicant: Municipality of Yauco, Puerto Rico	
Program ID Number: PR-CPR-001142	
Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano	

	
Photo: 39	Description: Visual/APE. North-east view towards the corner of Fernando Pacheco and Mattei Lluveras Street in the Historic Zone/District. Contributing vacant property.
Date:19/47v/24	
	
Photo: 48	Description: Visual/APE. East view towards Mattei Lluveras Street in the Historic Zone/District.
Date:19/Nov/24	

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



Applicant: Municipality of Yauco, Puerto Rico

Program ID Number: PR-CPR-001142

Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano



Photo: 49

Description: Visual/APE. North view towards the corner of Fernando Pacheco and Mattei Lluveras Street in the Historic Zone/District. Historic property remnants. (Mural painted on the opposite side).

Date:19/Nov/24



Photo: 50

Description: Visual/APE. North view towards Fernando Pacheco Street in the Historic Zone/District.

Date:19/Nov/24

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



Applicant: Municipality of Yauco, Puerto Rico

Program ID Number: PR-CPR-001142

Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano



Photo: 51

Description: Visual/APE. North view towards Fernando Pacheco Street in the Historic Zone/District where another parking area is located. (Not part of the APE).

Date:19/Nov/24



Photo: 52

Description: Visual/APE. North view towards Fernando Pacheco Street in the Historic Zone/District.

Date:19/Nov/24


PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CRP) Section 106 NHPA Effect Determination	 GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Applicant: Municipality of Yauco, Puerto Rico	
Program ID Number: PR-CPR-001142	
Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano	

	
Photo: 53	Description: Visual/APE. South view towards Fernando Pacheco Street in the urban profile Historic Zone/District.
Date:19/Nov/24	
	
Photo: 54	Description: South view towards Fernando Pacheco Street in the Historic Zone/District.
Date:19/Nov/24	





PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CRP) Section 106 NHPA Effect Determination	
Applicant: Municipality of Yauco, Puerto Rico	
Program ID Number: PR-CPR-001142	
Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano	

	
Photo: 55	Description: Visual/APE. South-east view towards Fernado Pacheco Street in the urban profile Historic Zone/District. Contributing historic property (vacant).
Date:19/Nov/24	
	
Photo: 56	Description: Visual/APE. East view towards Fernado Pacheco Street in the urban profile Historic Zone/District. Contributing historic property (vacant) partial façade.
Date:19/Nov/24	

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CRP) Section 106 NHPA Effect Determination	
Applicant: Municipality of Yauco, Puerto Rico	
Program ID Number: PR-CPR-001142	
Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano	

	
Photo: 57	Description: Visual/APE. North view towards Fernando Pacheco Street in the Historic Zone/District.
Date:19/Nov/24	
	
Photo: 58	Description: Visual/APE. South view on Fernando Pacheco Street in the Historic Zone/District. Non-contributing property.
Date:19/Nov/24	


PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CRP) Section 106 NHPA Effect Determination	
Applicant: Municipality of Yauco, Puerto Rico	
Program ID Number: PR-CPR-001142	
Project Name: Nuevo Estacionamiento Plaza de Mercado y Centro Urbano	

	
Photo: 59	Description: Visual/APE. North view towards Fernando Pacheco corner of Comercio Streets in the Historic Zone/District boundary.
Date:19/Nov/24	
	
Photo: 60	Description: Visual/APE. East view towards Comercio Street in the Historic Zone/District.
Date:19/Nov/24	

PR-CRP-001142

NUEVO ESTACIONAMIENTO PLAZA DE
MERCADO Y CENTRO URBANO PROJECT
YAUCO, PUERTO RICO

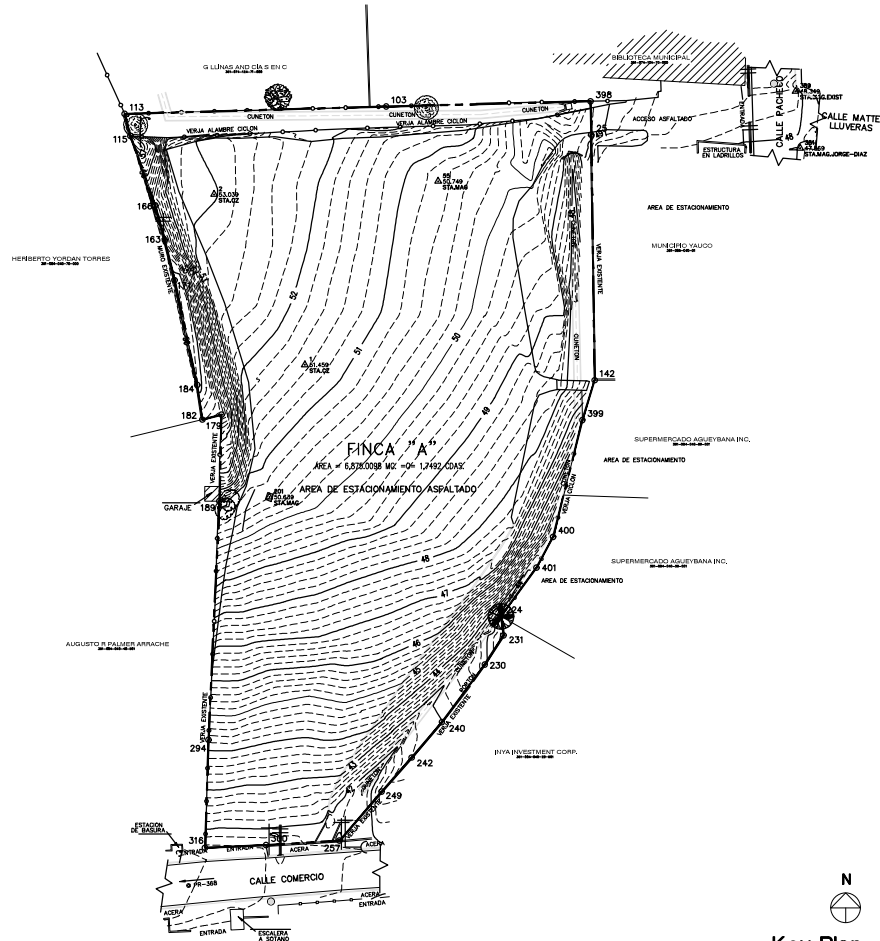
60% DESIGN DRAWINGS

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CITY REVITALIZATION PROJECT

NUEVO ESTACIONAMIENTO PLAZA DEL MERCADO Y CENTRO URBANO, PR-CRP-001142

Yauco, Puerto Rico, 00698
MUNICIPIO AUTONOMO DE YAUCO



SHEET

T-1 TITLE

EXISTING CONDITIONS

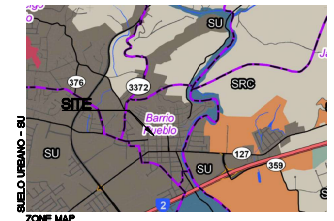
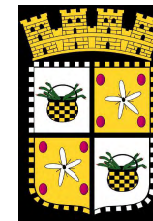
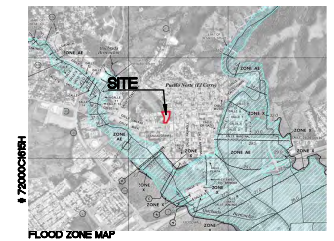
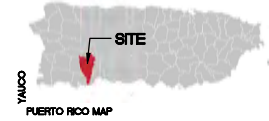
- ST-1 SURVEY AND TOPOGRAPHIC WORK
- ST-2 SURVEY AND TOPOGRAPHIC SECTION 1
- ST-3 SURVEY AND TOPOGRAPHIC SECTION 2
- ST-4 SURVEY AND TOPOGRAPHIC SECTION 3
- ST-5 SURVEY AND TOPOGRAPHIC SECTION 4
- ST-6 SURVEY AND TOPOGRAPHIC SECTION 5
- ST-7 SURVEY AND TOPOGRAPHIC SECTION 6

DEMOLITION PLAN

- DP-1 DEMOLITION SITE PLAN
- DP-2 DEMOLITION NOTES

SITE

- SI-1 PROPOSED SITE PLAN
- SI-2 TYPICAL SITE DETAILS
- SI-3 GENERAL NOTES
- SI-4 PROPOSED LIGHTING SITE PLAN



NUEVO ESTACIONAMIENTO PLAZA DEL MERCADO Y CENTRO URBANO
EXISTING CONDITIONS - SURVEY AND TOPOGRAPHIC WORK

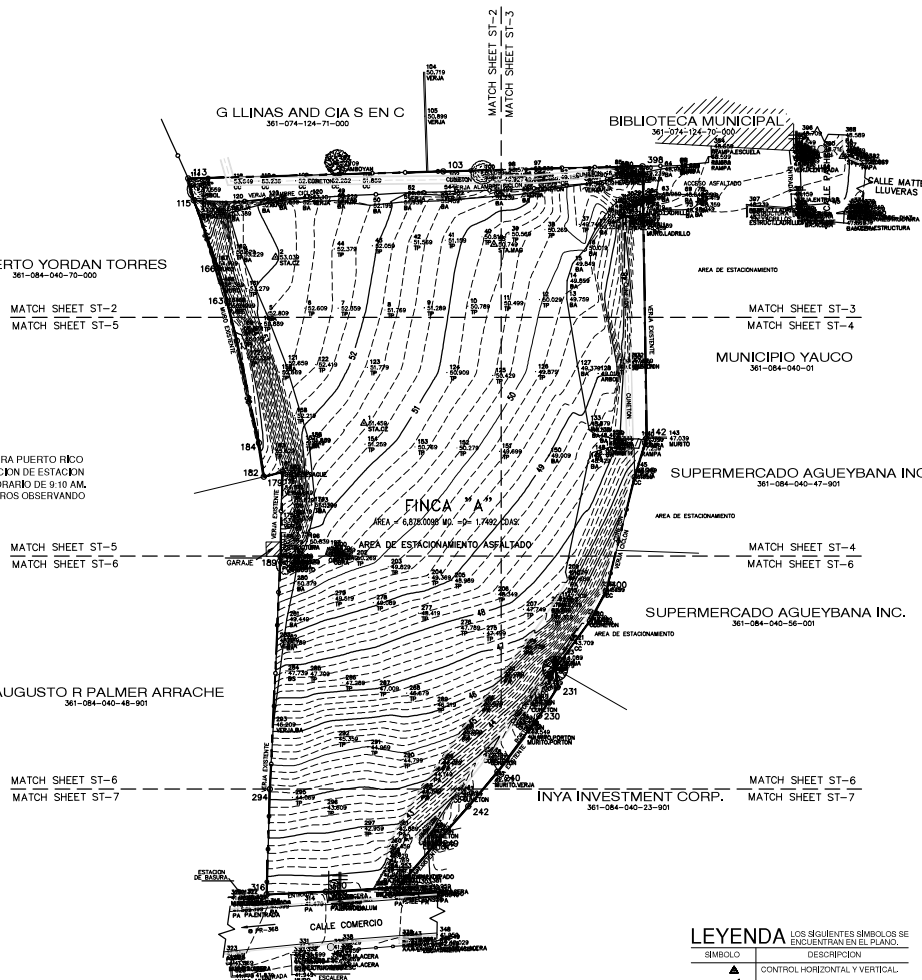


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LEYENDA DE ARBOLES
LOS SIGUIENTES SIMBOLOS SE ENCUENTRAN EN EL PLANO.



CONTROLES HORIZONTALES REFERIDOS AL SISTEMA DE COORDENADAS PARA PUERTO RICO
NAD83, NA 2011, EPOCA 2010, GEODE 2012 UTILIZANDO EL METODO DE CORRECCION DE ESTACION
VIRTUAL DE REFERENCIA (VRS), EN FECHA DEL 9 DE DICIEMBRE DE 2023 EN HORARIO DE 9:10 AM.
EL EQUIPO UTILIZADO ES UN EMULI REACH RS2 CON UNA PRECISION DE 0,01 METROS OBSERVANDO
CADA ESTACION POR UN TIEMPO DE 3 MINUTOS.



DATOS DE MENSURA						
FINCA "A"						
PUNTO	LINEA	(Y) NORTE	(X) ESTE	DISTANCIA	RUMBO	DESCRIPCION
257	---	222338.5790	155657.0450	---	---	---
300	257-300	222337.8980	155644.8290	12.24	S 86°31'44" W	MURD ENTRADA
316	300-316	222337.3830	155634.7050	10.13	S 87°25'36" W	TUBO ENTRADA
294	316-294	222355.3350	155635.2670	17.96	N 01°47'35" E	VERJA BA
189	294-189	222395.0330	155637.0880	39.74	N 02°37'35" E	ESTRUCTURA
179	189-179	222409.3860	155637.4360	14.36	N 01°23'20" E	VERJA
182	179-182	222408.5820	155634.2440	3.29	S 75°51'45" W	MURD
184	182-184	222414.3320	155633.3980	5.81	N 08°22'12" W	MURD
171	184-171	222431.7600	155629.6460	17.83	N 12°08'58" W	MURD
163	171-163	222438.4150	155628.0050	6.85	N 13°51'06" W	MURD
166	163-166	222444.1860	155626.4370	5.98	N 15°12'02" W	MURD
115	166-115	222455.7260	155622.2830	12.26	N 19°47'30" W	VERJA
113	115-113	222459.4110	155621.3460	3.80	N 14°15'59" W	TUBO
103	113-103	222460.6290	155664.8190	43.49	N 88°23'43" E	VERJA
398	103-398	222461.5001	155698.7876	33.98	N 88°31'52" E	A ESTABLECER
25	398-25	222455.9210	155698.9140	5.38	S 01°17'53" E	MURD LADRILLO
142	25-142	222415.1330	155699.4660	40.79	S 00°46'31" E	MURD
399	142-399	222408.5030	155697.4899	6.94	S 17°04'20" W	A ESTABLECER
400	399-400	222389.0757	155692.1703	20.03	S 14°02'36" W	A ESTABLECER
401	400-401	222383.9598	155689.8079	5.81	S 28°22'09" W	A ESTABLECER
224	401-224	222375.8570	155683.8960	10.03	S 36°06'54" W	QUENEP
231	224-231	222372.7200	155684.3160	3.16	S 07°37'33" E	VERJA
230	231-230	222367.8560	155681.2020	5.78	S 32°37'41" W	VERJA
240	230-240	222358.3010	155674.0710	11.92	S 36°44'04" W	MURD VERJA
242	240-242	222352.3880	155669.0660	7.75	S 40°14'45" W	MURD VERJA
249	242-249	222346.7290	155664.0630	7.95	S 41°28'27" W	MURD VERJA
257	249-257	222338.5790	155657.0450	10.75	S 40°44'07" W	CDL
AREA = 6,875.0098 MC. = 1.7492 CDAS.						

LEYENDA FACILIDADES
ELECTRICAS
LOS SIGUIENTES SIMBOLOS SE ENCUENTRAN EN EL PLANO.

SIMBOLO	DESCRIPCION
	POSTE MADERA O ALUMINIO CON LUMINARIA.
	POSTE MADERA O ALUMINIO ELECTICO.
	POSTE TELEFONICO.
	POSTE HORNIGON ELECTICO.
	TENSOR.

LEYENDA
LOS SIGUIENTES SIMBOLOS SE ENCUENTRAN EN EL PLANO.

SIMBOLO	DESCRIPCION
	CONTROL HORIZONTAL Y VERTICAL.
	PUNTO ORIGIN.
	ELEVACION.
	"MANHOLE" SANITARIO (EXISTENTE).
	CONTADOR AUTORIDAD DE ACUEDUCTOS (AAA).
	LIMITE DE PROPIEDAD.
	VERJA HORNAMENTAL.
	VERJA CICLON.
	VERJA ALAMBRE PUAS.
	CONTORNOS A CADA 0.30 MTS.
	CONTORNOS A CADA 3.00 MTS.
	CONTORNOS A CADA 3.00 MTS.
	ELEVACION DE CONTORNOS.

ESTACIONES DE CONTROL				
ESTACION	(Y) NORTE	(X) ESTE	ELEVACION	DESCRIPCION
1	222417.7050	155651.2860	51.46	STA. CZ
2	222446.0180	155636.2060	53.04	STA. CZ
55	222448.1970	155673.4510	50.75	STA. MAG
801	222395.7210	155645.3930	50.64	STA. MAG
381	222453.6990	155733.6350	47.87	STA. MAG. JORGE DIAZ
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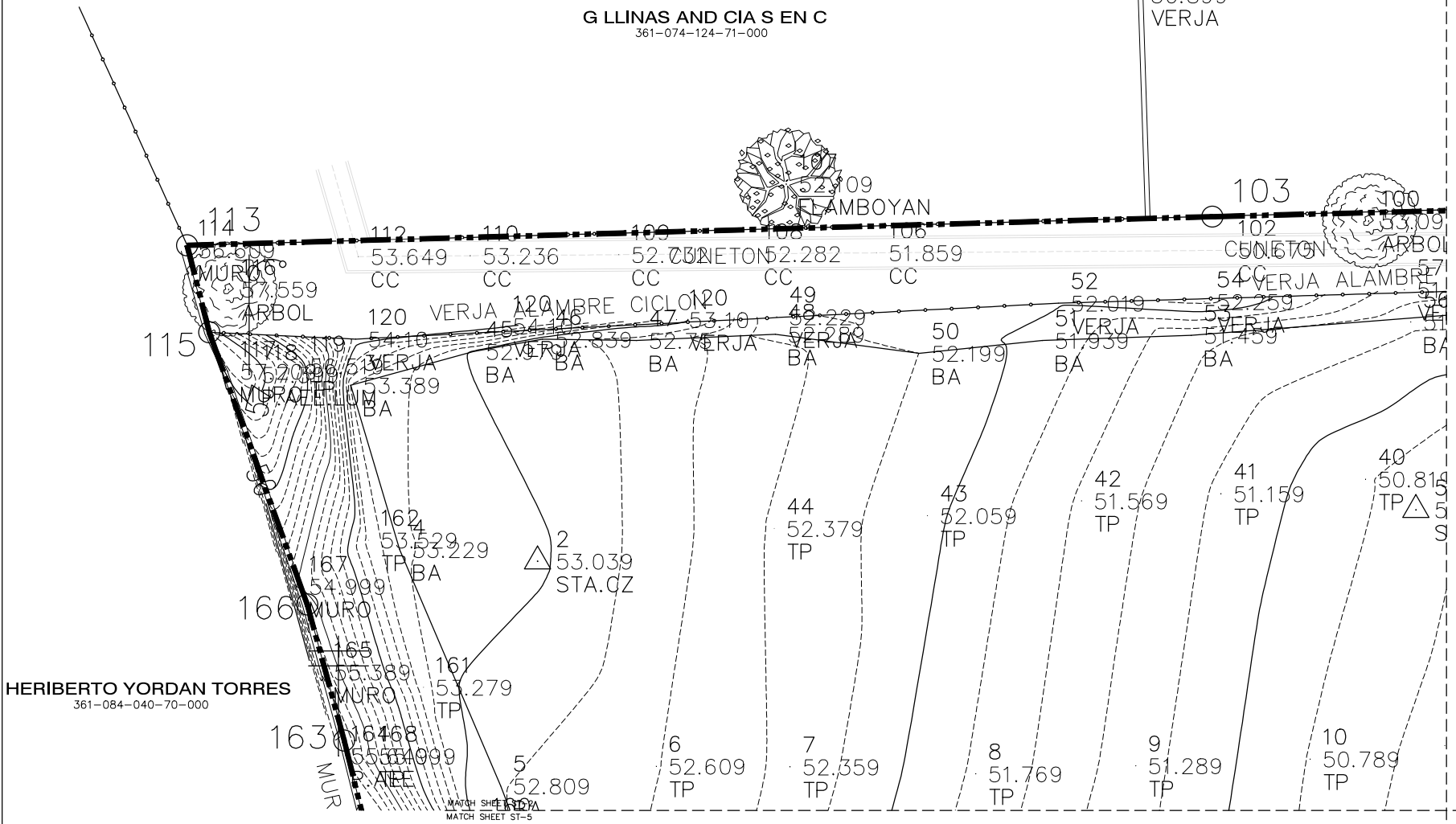
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REVISION	01
REVISION	02
REVISION	03
REVISION	04
REVISION	05
REVISION	06
REVISION	07

EXISTING CONDITIONS
SURVEY AND TOPOGRAPHIC

NUEVO ESTACIONAMIENTO
PLAZA DEL MERCADO Y
CENTRO URBANO
PR-CP-00142
YAUCO, PUERTO RICO 00888

AS-BUILD PLAN
EXT. COND.

NUEVO ESTACIONAMIENTO PLAZA DEL MERCADO Y CENTRO URBANO
EXISTING CONDITIONS - SURVAY AND TOPOGRAPHIC WORK - CLOSE UP 1
SCALE: 1/2





APPLIED ENGINEERING GROUP
MANAGERS, ARCHITECTS, ENGINEERS AND PLANNERS

1001 Avenida de las Americas, Suite 100, Puerto Rico 00909
Tel: 787-591-1000 Fax: 787-591-1001 Email: info@ae-group.com

REV	DATE	BY	CHKD	APPD
1	03/01/2024	AE	AE	AE
2	03/01/2024	AE	AE	AE
3	03/01/2024	AE	AE	AE
4	03/01/2024	AE	AE	AE
5	03/01/2024	AE	AE	AE
6	03/01/2024	AE	AE	AE
7	03/01/2024	AE	AE	AE

**EXISTING CONDITIONS
SURVEY AND TOPOGRAPHIC
CLOSE UP 1**

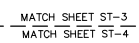
**NUEVO ESTACIONAMIENTO
PLAZA DEL MERCADO Y
CENTRO URBANO
PR-CF-00142
YAUCO, PUERTO RICO 00888**

**AS-BUILD PLAN
EXT. COND.**

MARCH 2024

ST-2

MATCH SHEET ST-3
MATCH SHEET ST-2

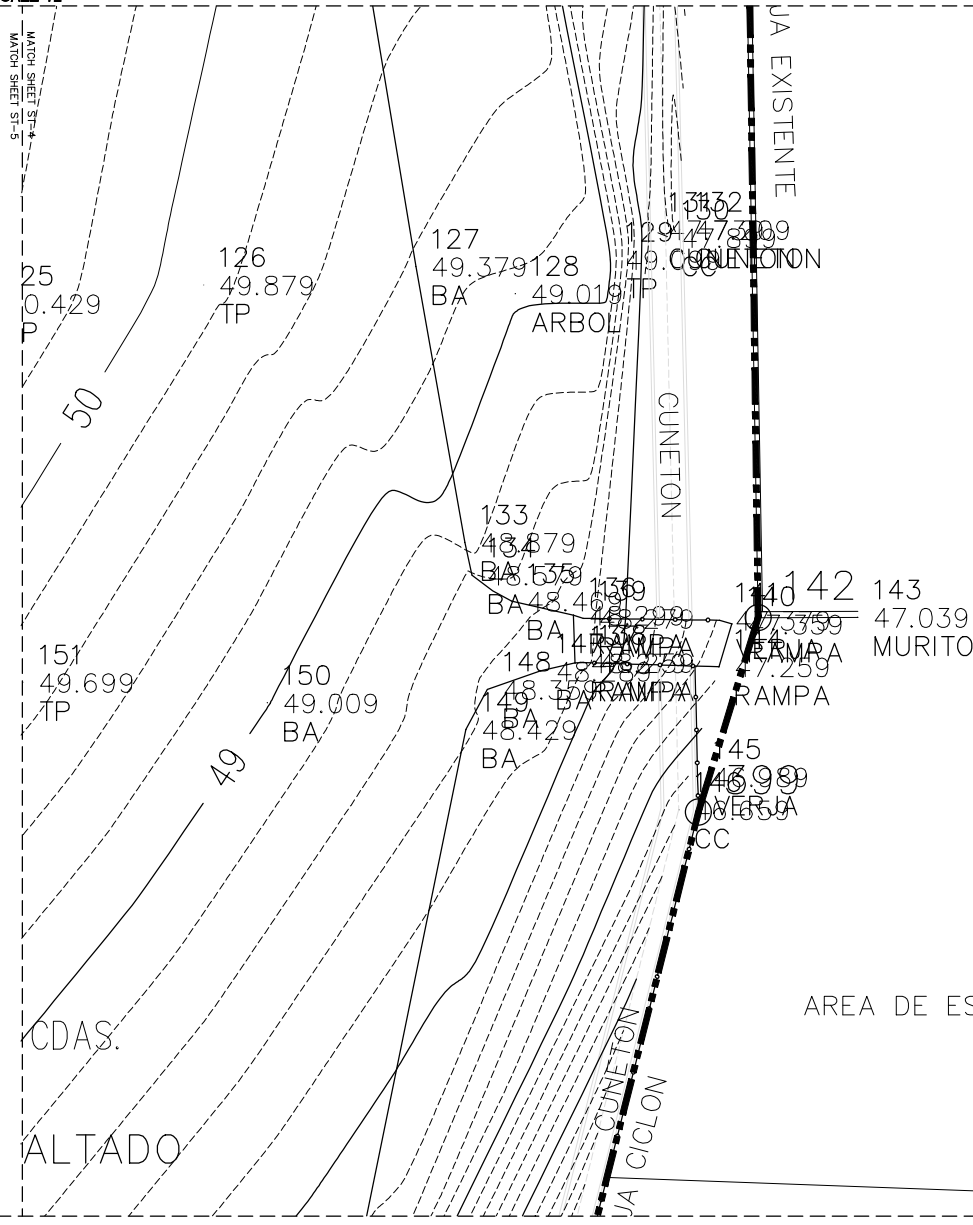


**EXISTING CONDITIONS
SURVEY AND TOPOGRAPHIC
CLOSE UP 2**

-BUILD PLAN
T. COND.

NUEVO ESTACIONAMIENTO PLAZA DEL MERCADO Y CENTRO URBANO
EXISTING CONDITIONS - SURVAY AND TOPOGRAPHIC WORK - CLOSE UP 3
SCALE 1:2

MATCH SHEET ST-3
 MATCH SHEET ST-4



SUPERMERCADO AGUEYBANA INC.
 361-084-040-47-901

AREA DE ESTACIONAMIENTO

MATCH SHEET ST-4
 MATCH SHEET ST-6

DATE	REVISION	BY	CHKD
02/01/2004	1	AE	AE
02/01/2004	2	AE	AE
02/01/2004	3	AE	AE
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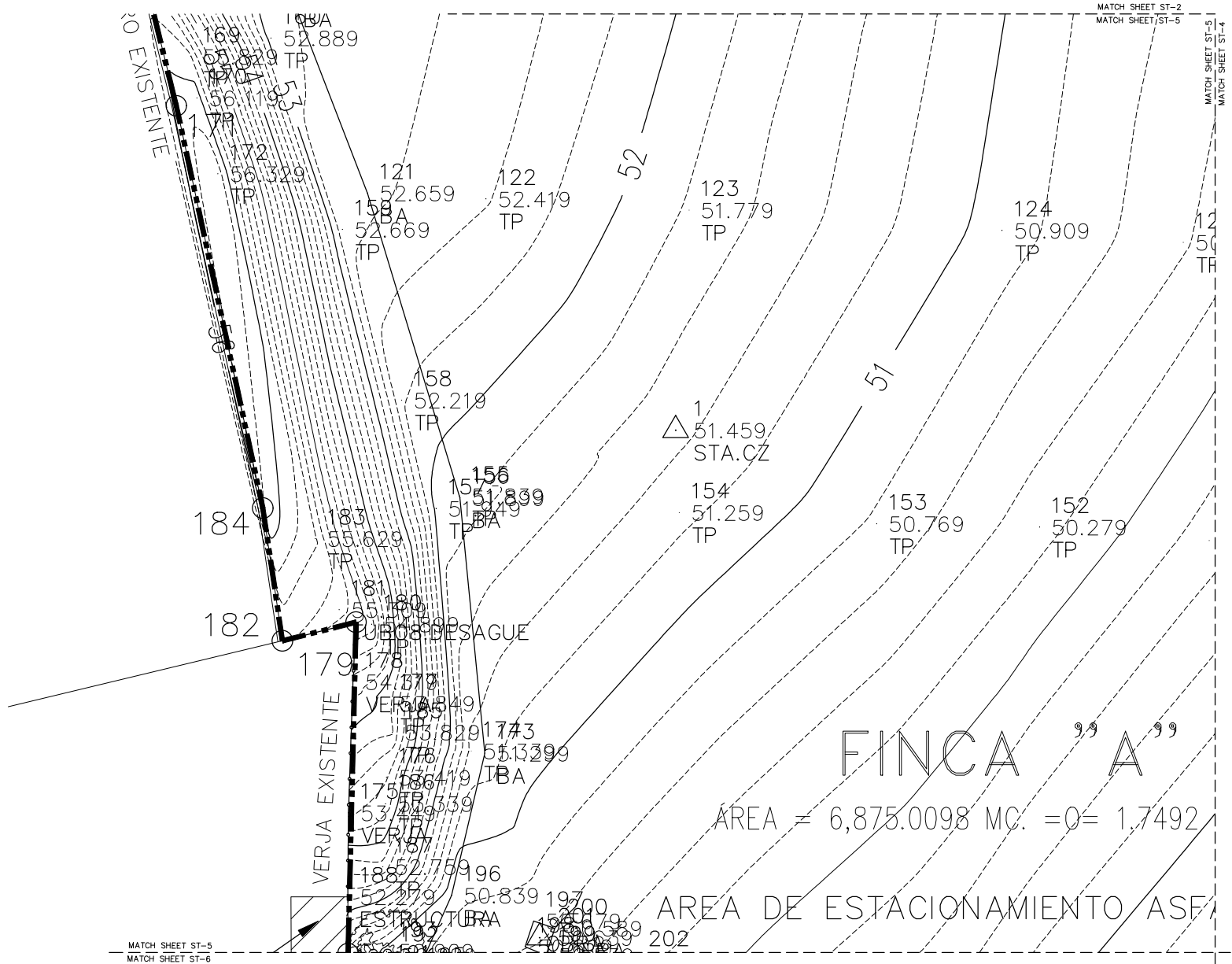
EXISTING CONDITIONS
SURVAY AND TOPOGRAPHIC
CLOSE UP 3

NUEVO ESTACIONAMIENTO
PLAZA DEL MERCADO Y
CENTRO URBANO
PR-CF-00142
YAUCO, PUERTO RICO 00988

AS-BUILD PLAN
EXT. COND.

ST-4

NUEVO ESTACIONAMIENTO PLAZA DEL MERCADO Y CENTRO URBANO
 EXISTING CONDITIONS - SURVAY AND TOPOGRAPHIC WORK - CLOSE UP 4
 SCALE: 1:2



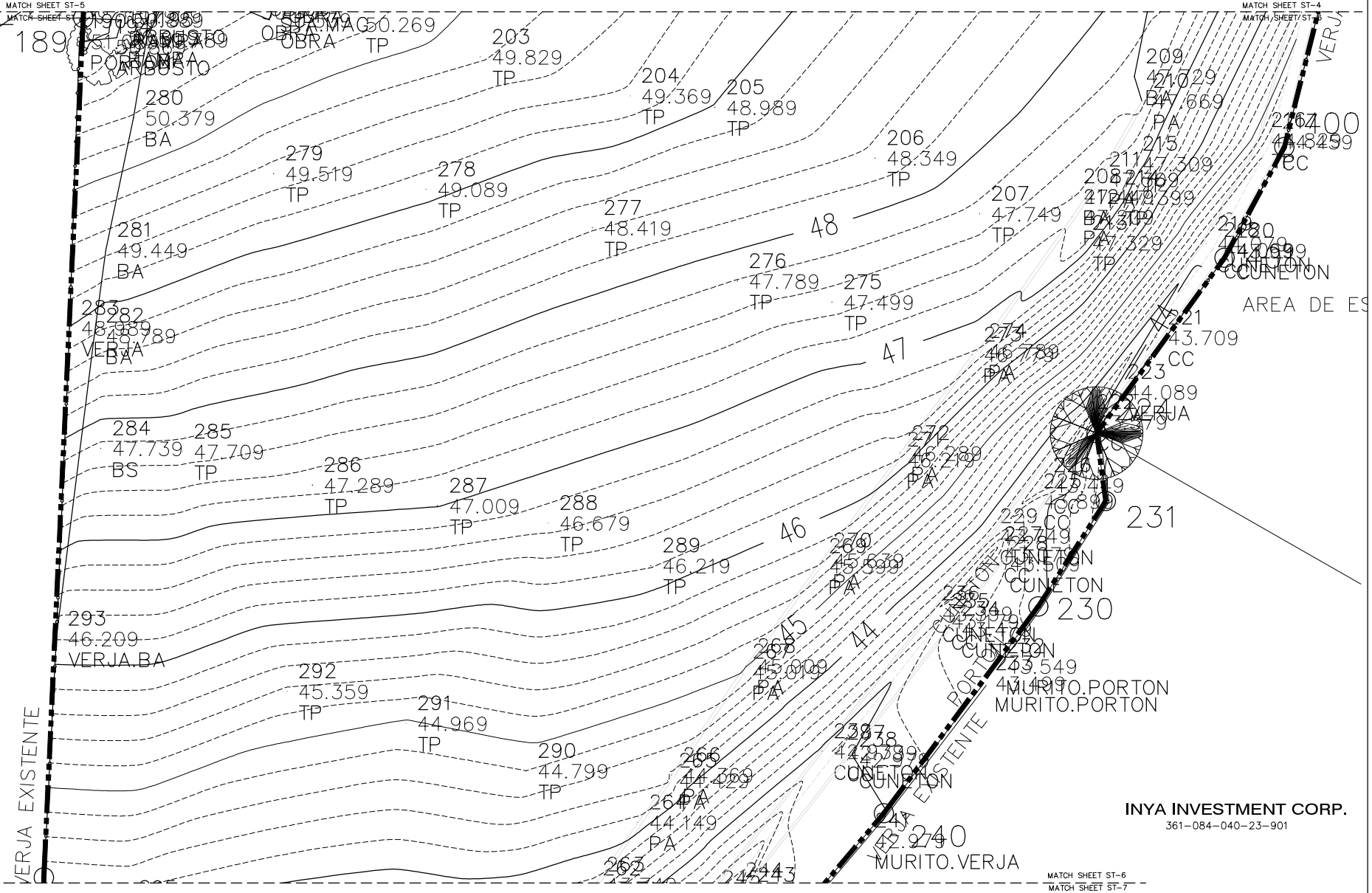
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REVISION		2	2
REVISION		3	3
REVISION		4	4
REVISION		5	5
REVISION		6	6
REVISION		7	7

EXISTING CONDITIONS
 SURVAY AND TOPOGRAPHIC
 CLOSE UP 4

NUEVO ESTACIONAMIENTO
 PLAZA DEL MERCADO Y
 CENTRO URBANO
 PR-CP-00142
 YAUCO, PUERTO RICO 00888

AS-BUILD PLAN
 EXT. COND.

NUEVO ESTACIONAMIENTO PLAZA DEL MERCADO Y CENTRO URBANO
EXISTING CONDITIONS - SURVAY AND TOPOGRAPHIC WORK - CLOSE UP 5
SCALE 1:2



DATE	REVISION	BY	CHKD
FEB. 2024	1	ALB	ALB
	2	ALB	ALB
	3	ALB	ALB
	4	ALB	ALB
	5	ALB	ALB
	6	ALB	ALB
	7	ALB	ALB

EXISTING CONDITIONS
SURVAY AND TOPOGRAPHIC
CLOSE UP 5

NUEVO ESTACIONAMIENTO
PLAZA DEL MERCADO Y
CENTRO URBANO
PR-CP-00142
TAUCCO, PUERTO RICO 00888

AS-BUILD PLAN
EXT. COND.

INYA INVESTMENT CORP.
 361-084-040-23-901

MATCH SHEET ST-6
MATCH SHEET ST-7

MATCH SHEET ST-6
MATCH SHEET ST-7



CONSULTANT

REVISIONS		DATE
REVIEW 30%		FEB. 2024/1
REVISION		DATE/2
REVISION		DATE/3
REVISION		DATE/4
REVISION		DATE/5
REVISION		DATE/6
REVISION		DATE/7

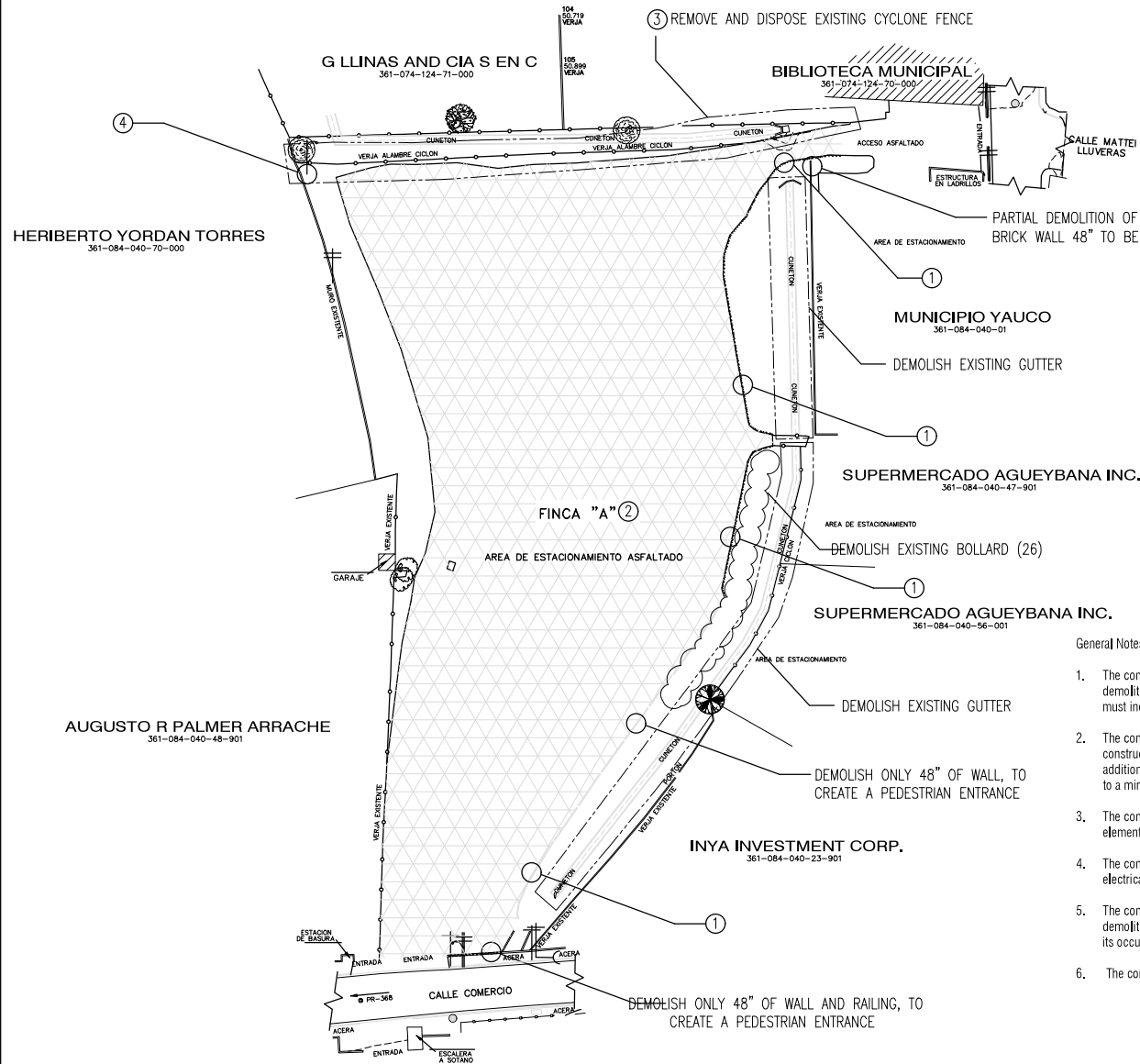
**EXISTING CONDITIONS
SURVEY AND TOPOGRAPHIC
CLOSE UP 6**

PROJECT NAME
NUEVO ESTACIONAMIENTO
PLAZA DEL MERCADO Y
CENTRO URBANO
PR-CRP-001142
YAUCO, PUERTO RICO 00698




PHASE
AS-BUILD PLAN
EXT. COND.

DATE
MARCH 2024
DRAWN SHEET
ST-7

NUEVO ESTACIONAMIENTO PLAZA DEL MERCADO Y CENTRO URBANO
DEMOLITION SITE PLAN
SCALE: 1/8"



DEMOLITION LEGEND:

-  INDICATE CONCRETE TO BE DEMOLISH & DISPOSE
 INDICATE ASPHALT PAVEMENT TO BE DEMOLISH & DISPOSE
 INDICATE EXISTING TO REMAIN

Demolition Notes:

1. Contractor shall Remove and Disposed Existing Concrete Curbs.
2. Contractor shall Remove and Disposed Existing Asphalt Pavement.
3. Contractor shall Remove and Disposed Damaged Existing Cyclone Fence.
4. Contractor shall Remove and Disposed the Abandoned Lighting Poles and Poles not in use.

General Notes:

1. The contractor must visit and inspect the site before bidding in order to ascertain the extent of work required for the demolition and disposal of existing structures, and/or elements such as: tree, scrap materials, etc. Therefore the contractor must include all demolition required even if not shown on demolition drawings.
2. The contractor shall repair, clean and restore to finished grade as required all curbs, sidewalks and areas affected during the construction operation. Due to the heavy equipment movement for the stock of temporary construction materials. At no additional cost to the owner. In order to minimize damage, the contractor shall coordinate with the resident engineer and limit to a minimum the use of areas for said movement and for storage of materials and equipment.
3. The contractor shall repair or restore all pavements on areas affected by the removal of existing post transformers, pads or elements not to remain in their original condition.
4. The contractor shall perform all excavations and demolish all concrete or masonry walls necessary for the installation of electrical provisions.
5. The contractor shall be responsible for any or all damage that may occur to existing underground existing utilities during demolition and construction work, including excavations. Any damage shall be repaired by the contractor within 12 hours of its occurrence without additional compensation.
6. The contractor shall be responsible for disposal of demolished material to an authorized dump site.

NUEVO ESTACIONAMIENTO PLAZA DEL MERCADO Y CENTRO URBANO
DEMOLITION NOTES

GENERAL INSTRUCTIONS:

1. ANY ASPHALT THAT CAN BE RECYCLED SHALL BE RECYCLES AND REUSE ON SITE.
2. CONTRACTOR SHALL DISPOSE PROPERLY OF ALL NON-RECYCLABLE MATERIALS FROM DEMOLITION WORK, INCLUDING SITE GARBAGE ACCUMULATIONS, IN CERTIFIED LANDFILLS ACCORDING TO MUNICIPAL, STATE & FEDERAL REGULATIONS. SEE AND COMPLY WITH HAZARDOUS MATERIALS ABATEMENT REMOVAL & DISPOSAL REQUIREMENTS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE INFLECTED TO THE PROJECT PROPERTY OR ADJACENT PROPERTIES OR OTHER PROJECT AREAS TO REMAIN DURING THE DEMOLITION AND CONSTRUCTION PHASES. DAMAGED ITEMS SHALL BE RESTORED TO IT'S ORIGINAL CONDITION AT CONTRACTOR'S EXPENSE AND OWNER'S SATISFACTION AT NO ADDITIONAL COST TO OWNER.
4. DEMOLITION AND REMOVAL SHALL BE CONDUCTED IN A MANNER THAT ELIMINATES HAZARDS TO PERSONS, THE ENVIRONMENT AND PROPERTY IN THE PROJECT AND THE SURROUNDING AREA.THE CONTRACTOR SHALL PREVENT THE RELEAS OF LEAD CONTAINING DUST WHERE APPLICABLE INTO THE AIR AND SOIL.
5. FOR ALL DEBRIS AND SCRAP MATERIALS CONTRACTOR SHALL DISPOSE OF AS TO MAINTAIN THE PROJECT SITE & SURROUNDINGS FREE OF WASTE MATERIALS, ACCORDING TO MUNICIPAL, STATE & FEDERAL REGULATIONS.
6. THE CONTRACTOR SHALL MAINTAIN ALL STREETS FREE OF OBSTRUCTIONS AND CLEAN AT ALL TIMES. WHERE WASHING WITH WATER IS REQUIRED TO CONSTRUCT OR TO PREVENT HEALTH HAZARDS TO ADJACENT RESIDENTIAL AND COMMERCIAL AREAS, CONTRACTOR SHALL USE WATER TANK TRUCKS AT HIS OWN COST OR REQUEST A TEMPORARY CONNECTION FROM AN AVAILABLE AAA METER, AND CAN NOT BE TAKEN FROM PUBLIC FIRE HYDRANTS OR NEIGHBORS.
7. THE CONTRACTOR SHALL SUBMIT, PROCURE AND OBTAIN ALL NECESSARY DOCUMENTS AND PERMITS FROM THE OGP_e AND ENVIRONMENTAL QUALITY BOARD OF PUERTO RICO, SOLID WASTE AUTHORITY AND EPA, IN ORDER TO PROCEED WITH CONTRACTED WORK.
8. CONTRACTOR MUST MAINTAIN IN FULL FORCE ALL EXISTING PROJECT PERMITS AND / OR SUBMIT AND OBTAIN NEW THE NEW PERMITS AT HIS OWN COST.
9. THE CONTRACTOR WILL NOTIFY AND OBTAIN PERMIT FROM THE PUBLIC SERVICE COMMISSION PRIOR TO EXCAVATION AND DEMOLITION WORK IN THE PROJECT. PERMITS AND APPROVALS CONCERNING PROJECT ACTIVITIES MUST BE SUBMITTED TO THE OWNER AND HIS REPRESENTATIVE BEFORE PROCEEDING WITH ANY CORRESPONDING WORK.
10. PRIOR TO PROCEEDING WITH PLANTING AND REFORESTATION WORK, CONTRACTOR MUST FOLLOW THE REQUIREMENTS OF THE DEPARTMENT OF NATURAL RESOURCES A PERMIT FOR CUTTING, PRUNING AND PLANTING.

11. UTILITIES AND OR SERVICES (CONSISTING BUT NOT LIMITED TO WATER, SEWER, ELECTRICITY, GAS, CABLE TV, DATA AND TELEPHONE) CAN NOT BE SUSPENDED, WITHOUT PRIOR AUTHORIZATION OF THE PROJECT MANAGEMENT. IF ACCIDENTALLY ANY SERVICE IS INTERRUPTED DUE TO PROJECT ACTIVITIES, CONTRACTOR WILL PROVIDE IMMEDIATE REPAIR TO OWNER'S SATISFACTION AT NO ADDITIONAL COST TO OWNER.
12. THE CONTRACTOR IS RESPONSIBLE TO TAKE PHOTOS OF THE EXISTING CONDITIONS PRIOR TO BEGINNING DEMOLITION WORKS. THIS IS REQUIRED FOR ANY CLAIM THAT ARISES AND MUST BE DELIVERED TO THE RESIDENT INSPECTOR FOR HIS FILES.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND DISPOSITION OF GARBAGE & RECYCLING DUMPSTERS DURING DEMOLITION AND CONSTRUCTION WORKS.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TEMPORARY OR NECESSARY EQUIPMENTS OR UTILITIES FOR THE PROVISION OF ELECTRICITY, POTABLE WATER AND SANITARY SERVICES FOR THE CONSTRUCTION PERSONNEL AND FOR THE CONSTRUCTION INSPECTION TEAM DURING THE DEMOLITION AND CONSTRUCTION PERIOD. THE CONTRACTOR SHALL ALSO PROVIDE TEMPORARY OFFICE TRAILER FOR THE CONSTRUCTION INSPECTION TEAM.

SAFETY AND HEALTH PRECAUTIONS:

1. SAFETY MEASURES AND PRECAUTIONS DURING DEMOLITION/CONSTRUCTION (ALL O.S.H.A. AND E.P.A. UPDATED COMPLIANCE IS UNDER EFFECT).
2. GENERAL WORK RELATED TO THE DEMOLITION OR ALTERATION TO THE PROJECT SITE MUST BE UNDERTAKEN IN CONFORMITY WITH THIS SAFETY PLAN.
3. SAFETY MEETINGS – THE CONTRACTOR WILL PERFORM WEEKLY SAFETY TOURS AND MEETINGS WITH HIS PERSONNEL TO TRAIN AND DISCUSS THE BEST PRACTICES AND SAFETY MEASURES TO BE IMPLEMENTED IN THE PROJECT.
4. THE CONTRACTOR WILL PERFORM CONTINUOUS JOB SITE INSPECTIONS CONFIRM ANY POTENTIAL SAFETY HAZARDS IF A POTENTIAL HAZARD IS SUSPECTED OR FOUND, THE CONTRACTOR. WILL USE THE APPROPRIATE METHODS, EQUIPMENT, DEVICES AND MATERIAL TO ASSURE A SAFE WORKPLACE, SAFETY TOURS. AND TO MAINTAIN A SAFE AND ACCIDENT FREE JOB.
5. THE CONTRACTOR WILL PROVIDE TRAINED AND EXPERIENCED PERSONNEL TO ASSURE A JOB PROPERLY DONE AND SAFE. THE CONTRACTOR SHALL PROVIDE A HEALTH & SAFETY COORDINATOR.
6. THE CONTRACTOR WILL BE RESPONSIBLE FOR FIRE PROTECTION IN THE WORK AND OPERATIONAL AREAS.
7. PROJECT SITE OR SURROUNDINGS CANNOT BE USE FOR THE STORAGE OF CONSTRUCTION OR COMBUSTIBLE MATERIAL.
8. THE CONTRACTOR SHALL PROVIDE FIRE EXTINGUISHERS FOR THE ENTIRE DEMOLITION / CONSTRUCTION AREA.
9. ALL HEAVY EQUIPMENT SHOULD HAVE ITS OWN FIRE EXTINGUISHERS OR HAVE ONE AVAILABLE IN A 100 FEET RADIUS FROM IT.
10. DURING DEMOLITION / CONSTRUCTION PERIOD FREE ACCESS TO FIRE HYDRANTS, OR TO OTHER FIRE EXTINGUISHING EQUIPMENT, SHALL BE PROVIDED AND MAINTAINED AT ALL TIMES.
11. CONTRACTOR EMPLOYEES WILL BE REQUIRED TO DRESS PROPERLY WHILE PERFORMING THEIR JOB AND TO USE THEIR PERSONAL PROTECTIVE EQUIPMENT IN COMPLIANCE WITH OSHA AT ALL TIME. AS A MINIMUM, BUT NOT LIMITED TO:
 1. EACH WORKER WILL USE APPROPRIATE WORKING SAFETY SHOES.
 2. PROPER RESPIRATORY PROTECTION WILL BE USE WHENEVER REQUIRED.
 3. PROPER HAND PROTECTION WILL BE USE WHEN REQUIRED.
 4. PROPER HEARING PROTECTION WILL BE USED IN AREAS WHERE SOUNDS ARE HIGHER THAN 80 DBS.
 5. CORRESPONDING HARD HAT WILL BE USE WHENEVER REQUIRED.
 6. REFLECTIVE VEST WILL BE USE WHENEVER REQUIRED.



APPLIED ENGINEERING GROUP
MANAGERS, ARCHITECTS, ENGINEERS AND PLANNERS

APPLIED ENGINEERING GROUP
MANAGERS, ARCHITECTS, ENGINEERS AND PLANNERS

1000 North American Avenue, Suite 100, Portland, ME 04106
Tel: 207-761-0000 Fax: 207-761-0001 Email: info@appliedeng.com

PROJECT NAME
NUEVO ESTACIONAMIENTO
PLAZA DEL MERCADO Y
CENTRO URBANO
PR-CF-00142
YAUCO, PUERTO RICO 00888

PROPOSED
PROJECT

MARCH 2024

DP-2

REVISIONS

NO.	DATE	DESCRIPTION
1	03/01/24	ISSUED FOR PERMIT
2	03/01/24	ISSUED FOR PERMIT
3	03/01/24	ISSUED FOR PERMIT
4	03/01/24	ISSUED FOR PERMIT
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6	03/01/24	ISSUED FOR PERMIT
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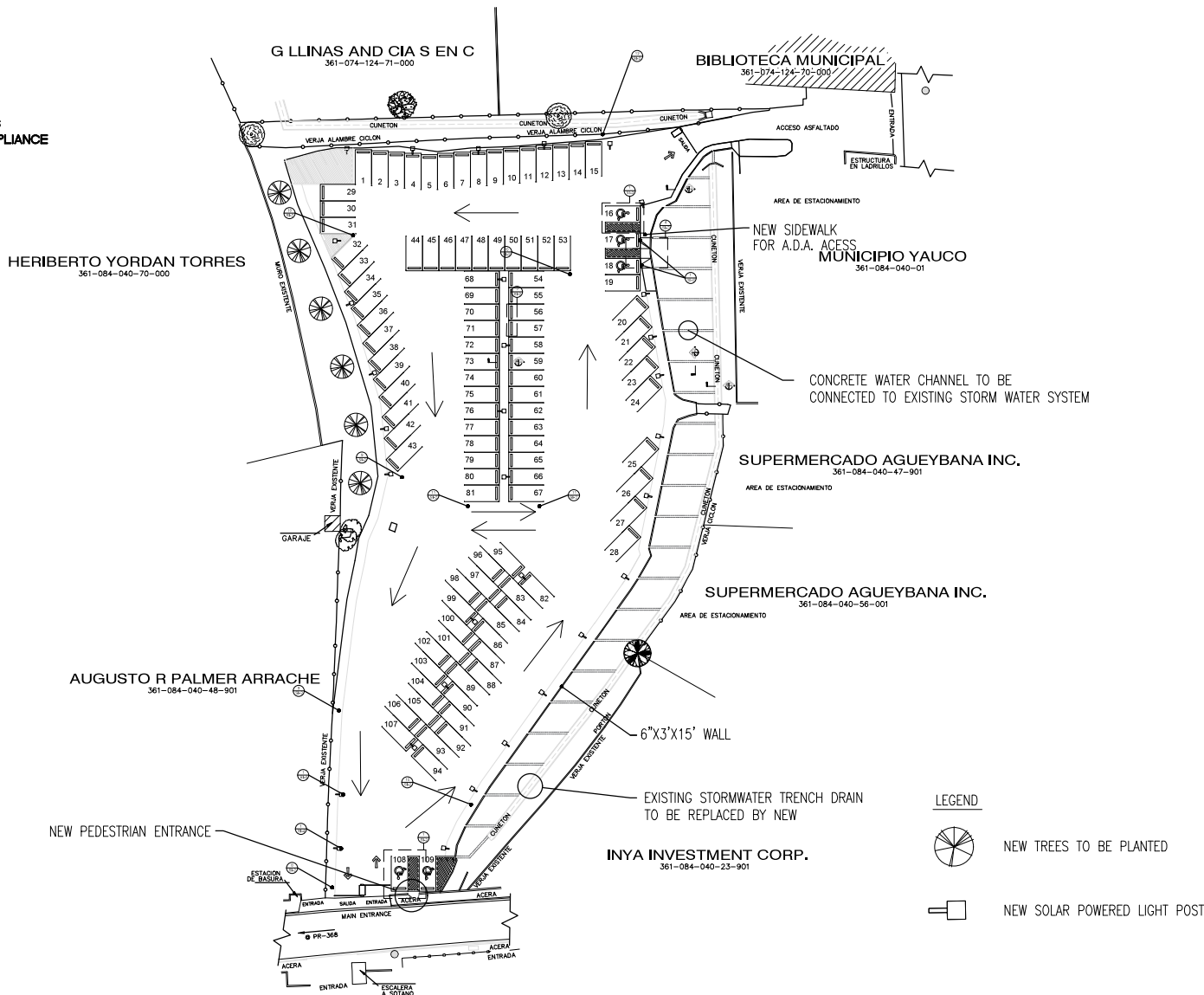
PROJECT NO.

PROPOSED
DEMOLITION NOTES

NUEVO ESTACIONAMIENTO PLAZA DEL MERCADO Y CENTRO URBANO
PROPOSED SITE PLAN
SCALE: 1/8"

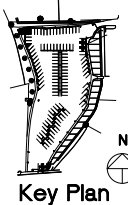
NOTES:

1. INTENDED DESIGN 109 PARKING SPOTS
2. FIVE ADA PARKING AS PER ADA COMPLIANCE



LEGEND

- NEW TREES TO BE PLANTED
- NEW SOLAR POWERED LIGHT POST



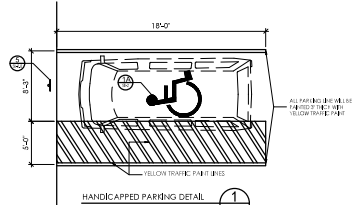
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PROPOSED SITE PLAN
SITE PLAN VIEW

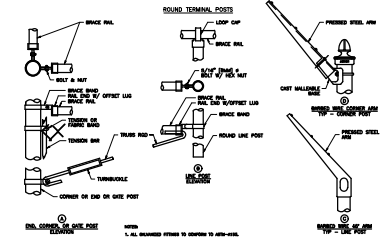
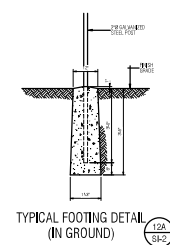
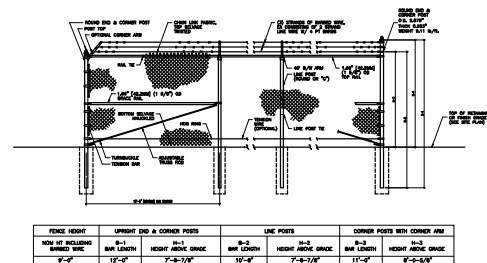
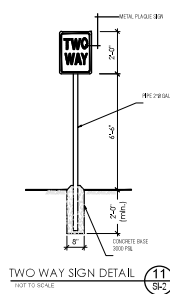
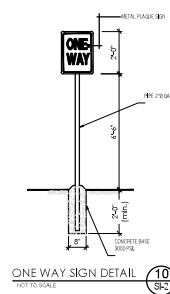
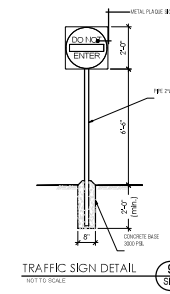
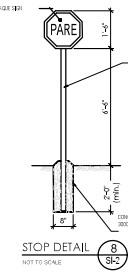
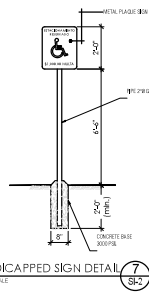
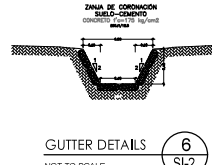
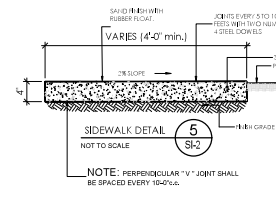
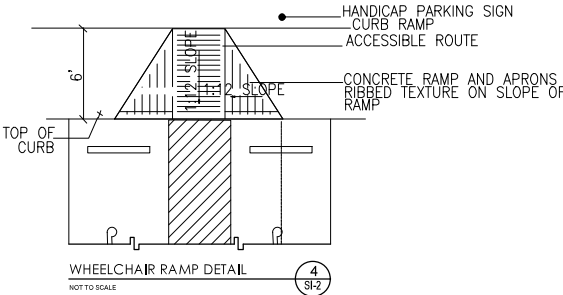
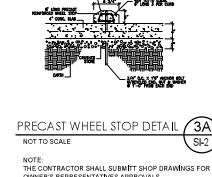
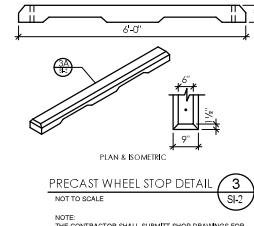
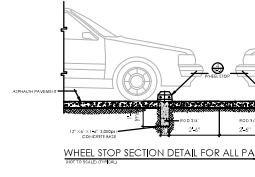
NUEVO ESTACIONAMIENTO
PLAZA DEL MERCADO Y
CENTRO URBANO
PR-CF-00142
YAUCO, PUERTO RICO 00888

PROPOSED PROJECT

DATE	DESIGN
MARCH 2024	SI-1



1/2" THICK
18" x 24" OVERALL
12" x 18" SYMBOL
1/2" THICK



DATE	REVISION	DATE	REVISION	DATE	REVISION	DATE	REVISION	DATE	REVISION
02/20/2024	1	02/20/2024	2	02/20/2024	3	02/20/2024	4	02/20/2024	5
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02/20/2024	16	02/20/2024	17	02/20/2024	18	02/20/2024	19	02/20/2024	20

PROPOSED SITE PLAN TYPICAL SITE PLAN

**NUEVO ESTACIONAMIENTO
PLAZA DEL MERCADO Y
CENTRO URBANO
PR-CF-00142
YAUCO, PUERTO RICO 00888**

**PROPOSED
PROJECT**

DATE	DATE
MARCH 2024	DATE
SI-2	DATE

NOTES:

- EROSION CONTROL:**

1. THE EROSION CONTROL MUST ADHERE TO BOTH STATE AND FEDERAL LAWS. THE RESPONSIBILITY FOR IMPLEMENTING EROSION CONTROL MEASURES AND OBTAINING NECESSARY PERMITS AND NOTICES LIES WITH THE CONTRACTOR AND/OR OWNER. "LA JUNTA DE CALIDAD AMBIENTAL" (JCA) AND THE ENVIRONMENTAL PROTECTION AGENCY (EPA), MANDATE PERMITS FOR ALL CONSTRUCTION PROJECTS, INCLUDING SMALL AND LARGE SITES. APPLIED ENGINEERING GROUP ASSUMES NO RESPONSIBILITY OR LIABILITY FOR ANY NON-COMPLIANCE ISSUES ARISING FROM THE OWNER OR CONTRACTOR.
2. CONTRACTOR IS RESPONSIBLE FOR OBTAINING GENERAL PERMIT IN COMPLIANCE WITH GOVERNMENTAL AGENCY AND FOR THE IMPLEMENTATION OF A STORMWATER POLLUTION PREVENTION PLAN (CES PLAN) ACCORDING TO REQUIREMENTS AND APPLICABLE LAWS.
3. EXISTING VEGETATION SHALL BE PRESERVED BY CONTRACTOR, WHEN POSSIBLE. ANY DISTURBED AREA MUST BE STABILIZED WHEN CONSTRUCTION ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED. STABILIZATION MUST IMMEDIATELY, MEANING WITHIN 2 WEEKS (14 DAYS) OF END OF ACTIVITIES UNLESS CONSTRUCTION WILL RESUME NO LATER THAN 21 DAYS.
4. ALL EROSION CONTROL DEVICES SPECIFIED IN THE APPROVED EROSION CONTROL PLAN, SHALL BE INSTALLED PRIOR TO LAND DISTURBING ACTIVITIES.
5. EROSION CONTROL PLAN IS SUBJECT TO REVISIONS AND/OR ADDITIONAL EROSION CONTROL DEVICES IF REQUIRED THROUGHOUT PROJECT ACTIVITIES, IF AN APPROVED PLAN CANNOT CONTROL EROSION OR OFF-SITE SEDIMENTATION.
6. THE CONTRACTOR IS OBLIGATED TO MANAGE SILT AND CONSTRUCTION DEBRIS IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL EROSION, CONSERVATION, AND APPLICABLE REGULATIONS. UPON THE INSTALLATION OR COMPLETION OF PERMANENT DRAINAGE FACILITIES AND THE ESTABLISHMENT OF SUFFICIENT VEGETATION TO PREVENT EROSION, THE CONTRACTOR MUST REMOVE ALL TEMPORARY EROSION CONTROL DEVICES. ANY HARM CAUSED TO ADJACENT PROPERTIES, DOWNSTREAM CHANNELS, WETLANDS, WATERWAYS, OR WILDLIFE IS THE RESPONSIBILITY OF THE CONTRACTOR, WHO MUST RECTIFY SUCH DAMAGE AT THEIR OWN EXPENSE.
7. AT NO ADDITIONAL COST TO OWNER, CONTRACTOR IS REQUIRED TO TAKE ALL AVAILABLE AND/OR NECESSARY PRECAUTIONS TO CONTROL DUST.



REVISIONS	DATE
REVIEW 30%	FEB. 2024 1
REVISION	DATE 2
REVISION	DATE 3
REVISION	DATE 4
REVISION	DATE 5
REVISION	DATE 6
REVISION	DATE 7

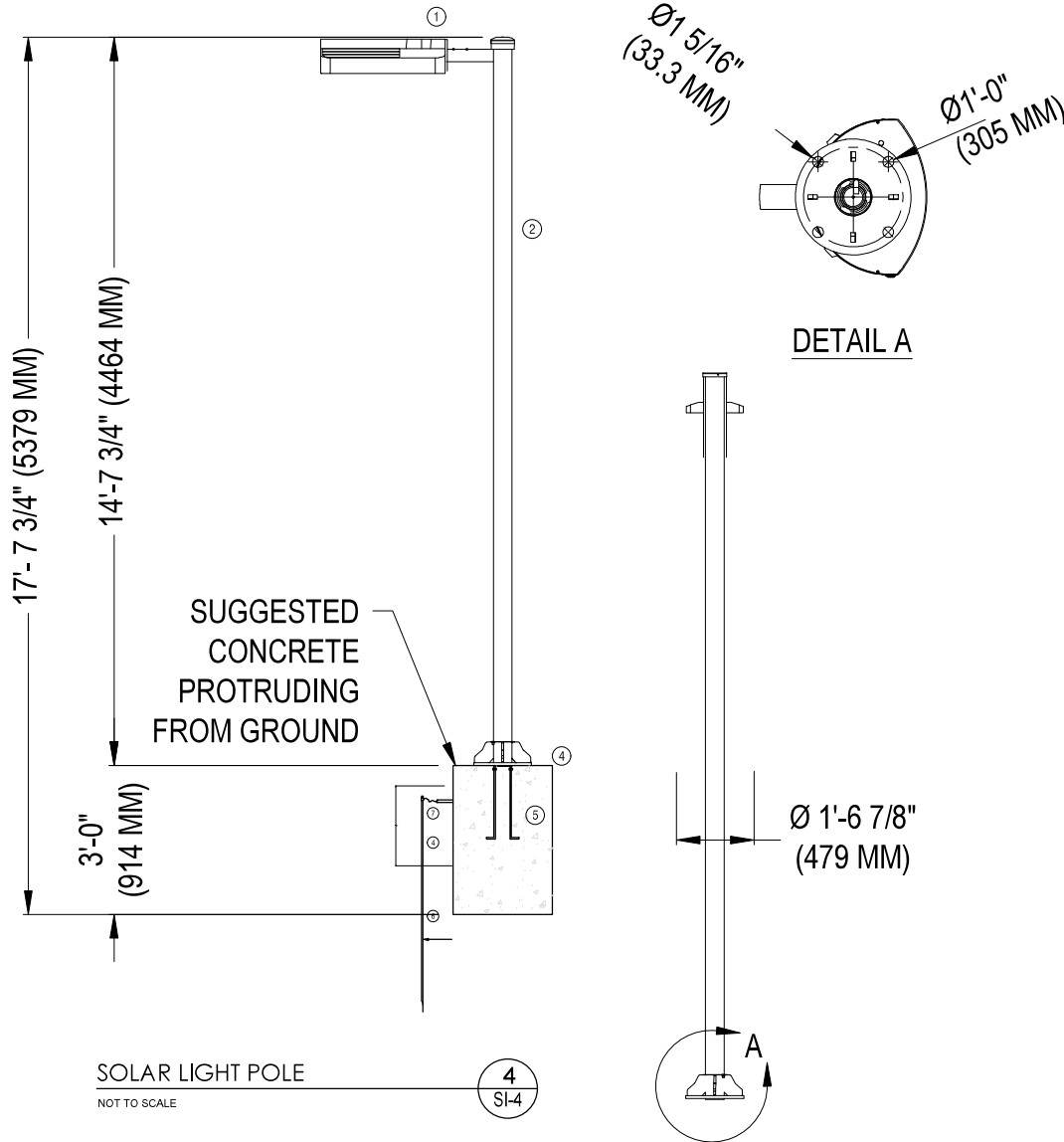
PROPOSED SITE PLAN GENERAL NOTES

NUEVO ESTACIONAMIENTO
PLAZA DEL MERCADO Y
CENTRO URBANO
PR-CRP-00142
YAUCO, PUERTO RICO 00698

**PROPOSED
PROJECT**

DATE
MARCH 2024
DRAWING SHEET
SI-3

NUEVO ESTACIONAMIENTO PLAZA DEL MERCADO Y CENTRO URBANO
PROPOSED LIGHTING SITE PLAN
SCALE: 1/32" = 1'-0"



SOLAR LIGHT POLE

NOT TO SCALE

4
SI-4

LIGHTING STANDARD- LSA1

LEGEND - LIGHTING STANDARD - LSA1

- 1 TO BE SINGLE CAST ALUMINUM HOUSING WITH HEAT DISSIPATION ALONG THE ENTIRE LENGTH OF THE FIXTURE WITH PHOTO CONTROL BUT NO SOLAR ENERGY. UNIT TO BE SOLAR PATH SUN SOLUTIONS SLG60-T2M-10K-01-20KA.
- 2 ALUMINUM POLE TAPERED 15'-0" SUITABLE FOR ASHTO 120 MPH PLUS 1.3 GUST FACTOR.
- 3 CAST ALUMINUM COVER.
- 4 CONCRETE.
- 5 1#6 THWN-2 GREEN GROUND CONDUCTOR FOR POLE GROUND.
- 6 3/4" DIAMETER COPPER CLAD STEEL GROUND ROD.
- 7 FEEDER TO OTHER POLES OR METER BASE TO BE 2#8 RHH RHW AND 1#10 THWN-2 GREEN GROUND CONDUCTOR IN 1-1/2" DIAMETER PVC SCHEDULE 40 CONCRETE ENCASED CONDUIT.

GENERAL NOTES:

- 1- FOR POLE WITH FIXTURES SEE LIGHTING STANDARD - LSA1 IN THIS SHEET.
- 2- CONTRACTOR TO AVOID THE INSTALLATION OF POLE PRIMARY LINES. ALL PRIMARY LINES TO BE ABOVE 18'-0" AFG. ANY WORKING THE INSTALLATION OF POLE WHICH MIGHT CAUSE AN ACCIDENT TO BE BROUGHT TO THE ATTENTION OF ARCHITECT / ENGINEER BEFORE PROCEEDING. ARCHITECT / ENGINEER SHALL PROCEED AFTER WRITTEN ALLOWANCE WITH THE INSTALLATION IS ISSUED.

FIRSTLIGHT TECHNOLOGIES

SCL2 Series
SOLAR LED INTEGRATED COMMERCIAL AREA LIGHT

Project: _____
Type: _____ Quantity: _____

The SCL2 Series solar LED luminaires is a great fit for commercial, parking lot, recreational bikeway/pathway and public space lighting applications. The self-contained, unobtrusive design integrates its solar power, adaptive control and LED technologies into a compact and efficient form. With robust construction and unequalled performance, the SCL2 series is an excellent fit wherever cost effective, full cutoff lighting is required.

Using solar power and LEDs, the SCL2 series is completely self-contained and offers significant benefits:

- Cost effective design ships fully assembled and installs in minutes.
- Smart Connect provides wireless control & communication with your light.
- Low installation cost and minimal site impact with no trenching, cabling or wiring.
- Minimal ongoing costs with no electrical bills or bulbs to change.
- Operates entirely independent from the grid and is immune to power outages.
- A sustainable choice without recurring carbon emissions.

All of our solar-powered lights are enabled by our innovative Solar Lighting Controller (SLC). The SLC in each light is "self-learning" and allows the lights to predictively adapt to their surroundings, providing a level of lighting performance and reliability unavailable in other solar lighting products.

TECHNICAL SPECIFICATIONS

Solar Module: • High-efficiency monocrystalline cells

LEDs: 3000K • 100,000 hour L70 lifetime LED

DATE	DESCRIPTION	BY	CHKD
10/1/2024	PROJECT PLAN	AE	AE
10/1/2024	PROPOSED LIGHTING SITE PLAN	AE	AE
10/1/2024	PROPOSED LIGHTING SITE PLAN	AE	AE
10/1/2024	PROPOSED LIGHTING SITE PLAN	AE	AE
10/1/2024	PROPOSED LIGHTING SITE PLAN	AE	AE
10/1/2024	PROPOSED LIGHTING SITE PLAN	AE	AE