U.S. Department of Housing and Urban Development
451 Seventh Street, SW
Washington, DC 20410
www.hud.gov

espanol.hud.gov

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

Pursuant to 24 CFR 58.35(a)

Project Information

Project Name: Reconstrucción de la Plaza del Mercado de Salinas (PR-CRP-000529)

Responsible Entity: Puerto Rico Department of Housing (PRDOH)

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

State/Local Identifier: Puerto Rico / Salinas

Preparer: Arq. Bernardo Marqués, Marqués + Marqués Arquitectos

Certifying Officer Name and Title:
Sally Acevedo Cosme, Pedro De León Rodríguez, María T. Torres Bregón, Ivelisse Lorenzo, Angel Gabriel López Guzman, Juan C. Perez Bofill, Santa Ramírez Lebrón, Janette I. Cambrelen

Consultant (if applicable): Arq. Bernardo Marqués, Marqués + Marqués Arquitectos

Direct Comments to: Sr. Jose C Collazo, Municipality of Salinas, P.O. Box 1149, Salinas, PR 00751-1149 / 787-824-3060 Ext. 4007

Project Location: Plaza del Mercado, Carr. #1, Esq. C. Victoria Mateo & C. Sanchez Lopez, Salinas, Puerto Rico (Coordinates – Lat, Long: 17.978362°, -66.297307°)) (TPID 417-063-018-001)

Description of the Proposed Project [24 CFR 50.12 & 58.32; 40 CFR 1508.25]**:**
The proposed project is centered on the execution of code-required work, resilience to expected natural hazards, upgrade existing electrical infrastructure, sustainability and the preservation of historic features and materials. The following interventions are expected to be included in the construction document for this project:

- Replacement of the metal roof (adding thermal insulation).
- Upgrades to existing illumination.
- Replacement of windows.
- Remodeling of existing rest rooms.
- Upgrades to existing electrical and telecommunications services.
- Replacement of flooring surfaces.
- Installation of pests control systems.

This project intends to focus on the open and public spaces of the Plaza del Mercado. This includes the exterior surrounding sidewalks, interior floor and wall finishes, rest room facilities and metal roof. The remodeled bathrooms will be ADA compliant and have improved accessibility.
The existing metal roof has suffered damages from past hurricanes and currently has several openings and filtration problems which are intended to be addressed as part of this project.
This project does not intend to add any square footage to the existing building while maintaining its current use.

Level of Environmental Review Determination:
Categorically Excluded per 24 CFR 58.35(a), and subject to laws and authorities at §58.5:
58.35(a)(3)(iii)

Funding Information

Grant Numbers	HUD Program	Funding Amount
B-17-DM-72-0001	Community Development Block Grant - Disaster Recovery (CDBG-DR), Puerto Rico Department of Housing (PRDOH) - City Revitalization Program	$1,298,000,000.00
B-18-DP-72-0001		

Estimated Total HUD Funded Amount: $569,140.15

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

FEMA Funds	$ 73,909.13
CRP Funds	$ 569,140.15
	$ 643,049.28

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 & 58.6		
Airport Hazards 24 CFR Part 51 Subpart D	Yes ☐ No X	See map: PDM AirportH 2.pdf (#1) Project is located 27.6 km from nearest airport (Mercedita Int. Airport, Ponce PR). The project is not located within an Airport Clear Zone and Accident Potential Zones. Map showing site is not within 15,000 feet of military airport or 2,500 feet of a civilian airport.
Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes ☐ No X	See map: PDM CoastBarr.pdf (#2) The proposed project is not located in a coastal barrier resource area. The nearest CBRS unit is more than 2.1 km from the site. The project has no potential to impact a CBRS Unit and is in compliance with the Coastal Barrier Resources Act.
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 X No ☐	See map: PDM FEMAFlood.pdf (#3) Proposed project intends to remodel an existing structure located in a context sensitive urban area of Salinas. Current FEMA FIRM maps designate its location as SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATIONS BY THE 1% ANNUAL CHANCE FLOOD (Zone AE). Flood insurance is required for this building and it will be obtained prior to project completion.
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 ☐ X	See map and data: PDM Air Quality & Nonattainment Area list (#4) The proposed project is centered on the execution of code-required work, resilience to expected natural hazards, upgrade existing electrical infrastructure, sustainability and the preservation of historic features and materials. The proposed project does not include any new construction or conversion of land use facilitating development of public, commercial or industrial facilities. Potential air quality impacts are primarily short-term construction related. Implementation of construction related air pollution controls would reduce potential impacts. This temporary effect is not significant and would not have an adverse impact on the local properties surrounding the project. The project location is outside a Nonattainment area for 2010 Sulfur Dioxide as per EPA Green book and as per EPA maps. Activities during construction and operation of the facility will not have any air emission sources. Thus, the project will have no air quality impact and is in compliance with the Clean Air Act.
Coastal Zone Management Coastal Zone Management Act, sections 307(c) & (d)	Yes No ☐ X	See map: Coastal Zone Boundary Map (#5) The Puerto Rico planning board is the agency in charge of the implementation of the Coastal Management Program in Puerto Rico. The jurisdiction of the Coastal Zone Management Program is defined in the Program Document as: a one-kilometer (1-km) strip inland, as well as additional distances necessary to include key coastal natural systems. The proposed project is located approximately 2 kilometers inland from the southern shoreline of Puerto Rico. Hence, the proposed project does not affect a coastal zone as defined in the Coastal Zone Management Program Document.

Contamination and Toxic Substances 24 CFR Part 50.3(i) & 58.5(i)(2)	Yes No X ☐	See map: PDM ToxicSites.pdf (#6a) The proposed project site is not on an EPA Superfund National Priorities or CERCLA List or equivalent Stat list. It is not located 3,000 feet of a toxic or solid waste landfill site. There are no toxic waste landfills in Puerto Rico. There are no underground storage tanks USTs within project's limits. The building was found to have lead-based paint, as per "Lead based paint survey report" dated 04/2022 and included as attachment 6b. The LBP identified will be encapsulated. Within a radius of 3,000 miles, there are several EPA facilities including 2 water discharge site (NPDES), 5 hazardous waste generator sites, 1 toxic release discharge sites, 1 air pollution site and 1 Brownfield site. However, the activities and proposed use will not affect the health and safety of the occupants or conflict with the intended use of the site.
Endangered Species Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402	Yes No ☐ X	See: FWLS Self Certification.pdf (#7) The project's location is Carr. #1, Esq. C. Victoria Mateo & C. Sanchez Lopez, Salinas, Puerto Rico (coordinates; X:21 4933.657, Y: 21 5940.763). This sits within an established urban setting. The project's activities will continue to be commercial in nature. The site has not supported habitat requirements for any endangered species. As per Blanket Clearance Letter dated January 14, 2013, the development of the project will implement management practices to avoid impacts due to erosion and sedimentation. The letter was used to establish the project criteria under self-certification. Communication was established with the USFWS and it was determined that the project "will likely not adversely affect federally listed species".
Explosive and Flammable Hazards 24 CFR Part 51 Subpart C	Yes No ☐ X	The proposed project is centered on the execution of code-required work, resilience to expected natural hazards, upgrade existing electrical infrastructure, sustainability and

		the preservation of historic features and materials. The proposed project does not include any new construction or conversion of land use facilitating development of public, commercial or industrial facilities. The project will not result in an increased number of people being exposed to hazardous operations. The project does not involve explosive or flammable materials or operations.
Farmlands Protection Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658	Yes No ☐ X	See map: PDM Salinas-Farmland.pdf (#8) The proposed project is centered on the execution of code-required work, resilience to expected natural hazards, upgrade existing electrical infrastructure, sustainability and the preservation of historic features and materials. The proposed project does not include any new construction or conversion of land use facilitating development of public, commercial or industrial facilities. The project's site is NOT classified as prime farmland. Also, there is no conversion from farmland to non-farmland. The project is in compliance with the Farmland Protection Policy Act
Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55	Yes No ☐ X	See map: PDM FEMAflood.pdf (#3) The project is located in an ABFE, Zone A flood zone. As per 24 CFR Part 55, this action is considered as non-critical action and needs to comply with the decision-making process. In this case, the 5-step process could be followed, provided that the "action does not meet the threshold for substantial improvement". To comply with 24 CFR Part 55, the 5-step, decision-making process was followed. Refer to attachment 9 for details. See: 5-Step Process Plaza del Mercado SALINAS.pdf (#9)
Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	Yes No ☐ X	See: Salinas Complete SHPO documentation (#10)

		On January 17, 2023, the SHPO confirmed that the undertaking will have "no adverse effect upon historic properties." This concurrence concludes the Section 106 consultation. Thus, the project is in compliance with Section 106 of the National Historic Preservation Act (NHPA) and related laws and regulations.
Noise Abatement and Control Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B	Yes No ☐ X	There will be no impact from outside noise sources on the project because it is not a housing development. The project is not located near an airport and would not be affected by operations noise associated with such facilities. The noise that will be produced during the construction phase of the project will be generated by the construction equipment. The noise levels attributable to construction activities will be temporary in nature and it is expected that they will not exceed 65 dBA. The noise to be produced during the period of operation will be that normally produced by the operation of small commercial establishments in the area. No additional impact is expected.
Sole Source Aquifers Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149	Yes No ☐ X	See map: PDM SoulSourceAq.pdf (#11) The project is not served by a US EPA designated sole-source aquifer, is not located within a sole-source aquifer watershed and would not affect a sole-source aquifer subject to HUD EPA MOU. There are no sole source aquifers in Puerto Rico.
Wetlands Protection Executive Order 11990, particularly sections 2 and 5	Yes No ☐ X	See map: PDM Wetlands-min.pdf (#12) Project located in urban setting outside of wetlands. It will not impact Estuaries, Marine Wetlands, Freshwater Emergent Wetlands, Freshwater Forest/Shrub Wetlands, Freshwater Ponds, Lakes, Rivers or other Wetland. Therefore, the project is in compliance with Executive Order 11990
Wild and Scenic Rivers	Yes No ☐ X	See map: PDM WildScenicRivers.pdf (#13) Puerto Rico has approximately 5,385 miles of river, of which 8.9 miles of three rivers

Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)		are designated as wild & scenic – less than 2/10ths of 1% of the commonwealth's river miles. These rivers are Rio de la Mina, Rio Icacos and Rio Mameyes. There are no wild and scenic rivers are located within the Municipality of Salinas. Therefore, the project is in compliance with the Wild and Scenic Rivers Act.
ENVIRONMENTAL JUSTICE		
Environmental Justice Executive Order 12898	Yes No ☐ X	See map: PDM EnviroJustice.pdf (#14) The proposed project does not have discriminatory elements excluding benefits from people due to ethnic origin or color, age, gender, religion, income, or disabilities. The project will not result in disproportionately adverse environmental effects on minority or low-income population. It is intended to serve low income and general residents of the immediate area. The project will not result in the displacement of minority or low-income population. There were no findings in this review that would indicate an adverse impact on sensitive populations.

Field Inspection (Date and completed by)**:** 04/12/2022 (CHES Services), 05/12/2022 (Arch. Wanda Bogdel),05/18/2022 (Marqués + Marqués Arquitectos)

Summary of Findings and Conclusions: The initial field inspections were comprised by the lead architect, environmental hazard engineers and historical architects. The inspections served to begin the dedicated assessment for each particular field that was being reviewed.

The activity will be performed in a urban setting, where no impact to endangered or threatened species is expected. Also, the action will not change the use of the site.

The environmental hazard review served to prepare the "Lead based paint survey" report (04/2022) and "Asbestos containing materials" report (05/2022) for the property which revealed lead-based paint present in the building and informed the finishing materials to be used for the remodeling.

The environmental review confirms that this project does not represent a significant environmental impact due to the urban surroundings in which it is located.

As noted in the estimated project cost, the facility subject to the proposed project also has FEMA funding under their Public Assistance program. As such, the grant recipient should be aware of conditions set forth by FEMA Environmental and Historic Preservation's (EHP) compliance evaluation, known as the Record of Environmental Consideration (REC). The conditions should be addressed during project development to ensure funding availability at close out. The conditions are listed in the table below for awareness of the subrecipient. The copy of the REC is included in Attachment 15 as reference.

FEMA condition	Recommendations
Endangered Species Act: Applicant must follow all recommendations set forth in the ¿Blanket Clearance Letter for Federally sponsored projects, Hazard Mitigation and Public Assistance Grants¿ dated July 24, 2014.	***When the Blanket Clearance Letter is applied, the sub applicant is expected to implement Best Management Practices (BMP) to ensure impact from erosion and sedimentation are appropriately minimized. Thus, sub-applicant should keep documents that serve as evidence of BMP implementation.***
Resource Conservation and Recovery Act (RCRA): * The Applicant shall handle, manage, and dispose of all solid and hazardous waste in accordance with requirements of local, state, and federal laws, regulations, and ordinances. In addition, the Applicant shall ensure that all debris is separated and disposed of in a manner consistent with the PR DNER guidelines at a permitted site or landfill. * For asbestos containing material and lead base paint the Applicant shall handle, manage, and dispose of all solid and hazardous waste in accordance with requirements of local, state, and federal laws, regulations, and ordinances. In addition, the Applicant shall ensure that all debris is separated and disposed of in a manner consistent with the DNER/EQB guidelines at a permitted site or landfill or provide evidence of the close out permit from DNER/EQB for activities of remediation, abetment or removal of those materials. * Unusable equipment, debris, white goods, scrap metal any other material shall be disposed in approved manner and location. In the event significant items are discovered during the implementation or development of the project the Applicant shall handle, manage and dispose petroleum products, hazardous materials and toxic waste in accordance to the requirements of the local and federal agencies. Noncompliance with these requirements may jeopardize receipt of federal funds.	***Subrecipient should ensure the waste hauler has all operation permits up to date and keep copies of these as proof of compliance. Keep waste hauler's invoices and manifests as proof of compliance. The waste hauler should provide a letter indicating the final disposal site of the waste.*** ***Make sure the waste hauler and ACM/LBP contractor have all operation permits up to date, keep copies of these as proof of compliance. The waste hauler can provide a letter indicating the final disposal site. If no ACM/LBP is generated, prepare a memorandum to indicate so.*** ***If there are materials for disposal that include petroleum products, hazardous materials and toxics, a specialized company must be contracted to handle the material and its disposal. Use only contractors that are licensed for handling this type of waste.***

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
Flood Insurance	The facility is located within a SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATIONS BY THE 1% ANNUAL CHANCE FLOOD (Zone AE). Therefore, flood insurance is required, and it must be obtained prior to project completion.
Contamination and Toxic Substances	Lead based paint has been identified in site survey and encapsulating materials have been selected and specified for refinishing in construction documents.

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:** 1/20/2023

Name/Title/Organization: Marqués + Marqués Arquitectos

Responsible Entity Agency Official Signature (Certifying Officer):

_____ **Date:** 2/22/2023

Name/Title: Janette Cambrelén, Permit and Environmental Compliance Specialist

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

List of attachments

1	PDM AirportH 2.pdf
2	PDM CoastBarr.pdf
3	PDM FEMAFlood.pdf
4	4a - AirQuality PDM 4b - Nonattainment list
5	Coastal Zone Boundary Map
6	6a - PDM ToxicSites-min 6b - Lead-based Paint Survey Report / April 2022 6c - Survey Report for Asbestos Containing Materials / May 2022
7	FWLS Self Certification.pdf
8	PDM Salinas-Farmland.pdf
9	5-Step Process Plaza del Mercado SALINAS.pdf
10	Salinas Complete SHPO documentation
11	PDM SoulSourceAq.pdf
12	PDM Wetlands-min.pdf
13	PDM WildScenicRivers.pdf
14	PDM EnviroJustice.pdf
15	Record of Environmental Consideration (REC)

MARQUES + MARQUES ARQUITECTOS

A.I.A. C.A.A.P.P.R.

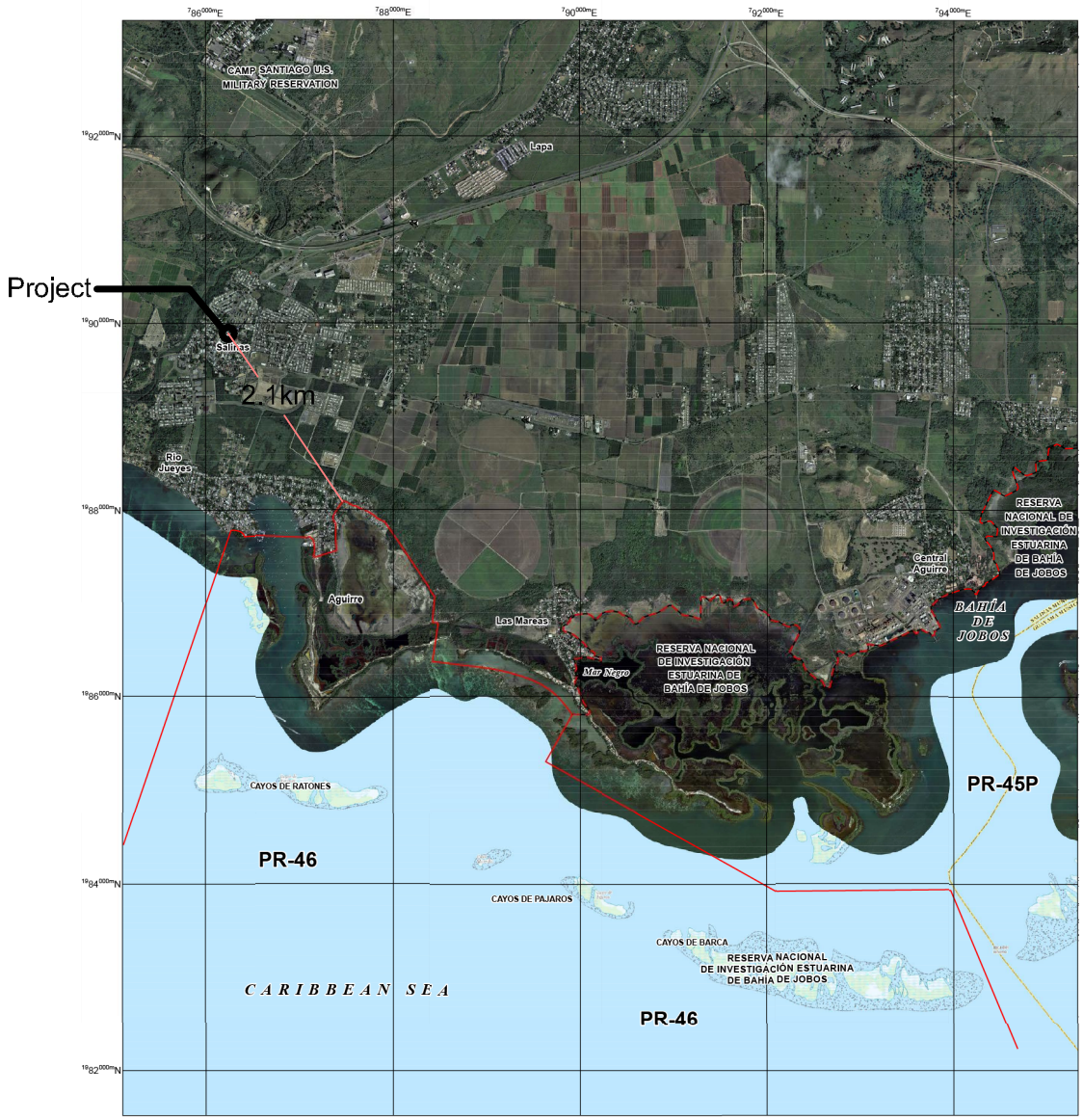
Project: Plaza del Mercado - REMODELACION

Location: Calle Luis Muñoz Rivera, esquina C. Victoria Mateo, Salinas, P.R.

MAP: Airport Hazard Map

Reference: Google Earth pro 7.3.4

#2 PDM CoastalBarr.pdf



JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

Bahia de Jobos Unit PR-45P (2 of 2)
Cayos de Barca/Ratones Complex PR-46

This map has been produced by the U.S. Fish and Wildlife Service as authorized by Section 4(c) of the Coastal Barrier Resources Act (CBRA) of 1982 (Pub. L. 97-348), as amended by the Coastal Barrier Improvement Act of 1990 (Pub. L. 101-591). The CBRA requires the Secretary of the Interior to review the maps of the Coastal Barrier Resources System (CBRS) at least once every 5 years and make any minor and technical modifications to the boundaries of the CBRS units as are necessary solely to reflect changes that have occurred in the size or location of any CBRS unit as a result of natural forces.

The seaward side of the CBRS unit includes the entire sand-sharing system, including the beach and nearshore area. The sand-sharing system of coastal barriers is normally defined by the 30-ft bathymetric contour. In large coastal embayments and the Great Lakes, the sand-sharing system is defined by the 20-ft bathymetric contour or a line approximately one mile seaward of the shoreline, whichever is nearer the coastal barrier.

For additional information about the CBRA or CBRS, please visit www.fws.gov/cbra.

1:24,000

0 0.25 0.5 1 1.5 2 Miles
0 1,000 2,000 4,000 6,000 8,000 Feet
0 0.25 0.5 1 1.5 2 Kilometers

System Unit Boundary

Otherwise Protected Area (OPA) Boundary; OPAs are identified on the map by the letter "P" following the unit number

Approximate State Boundary

$^{19}54^{000}$mN 2000- meter Universal Transverse Mercator grid values, Zone 19 North

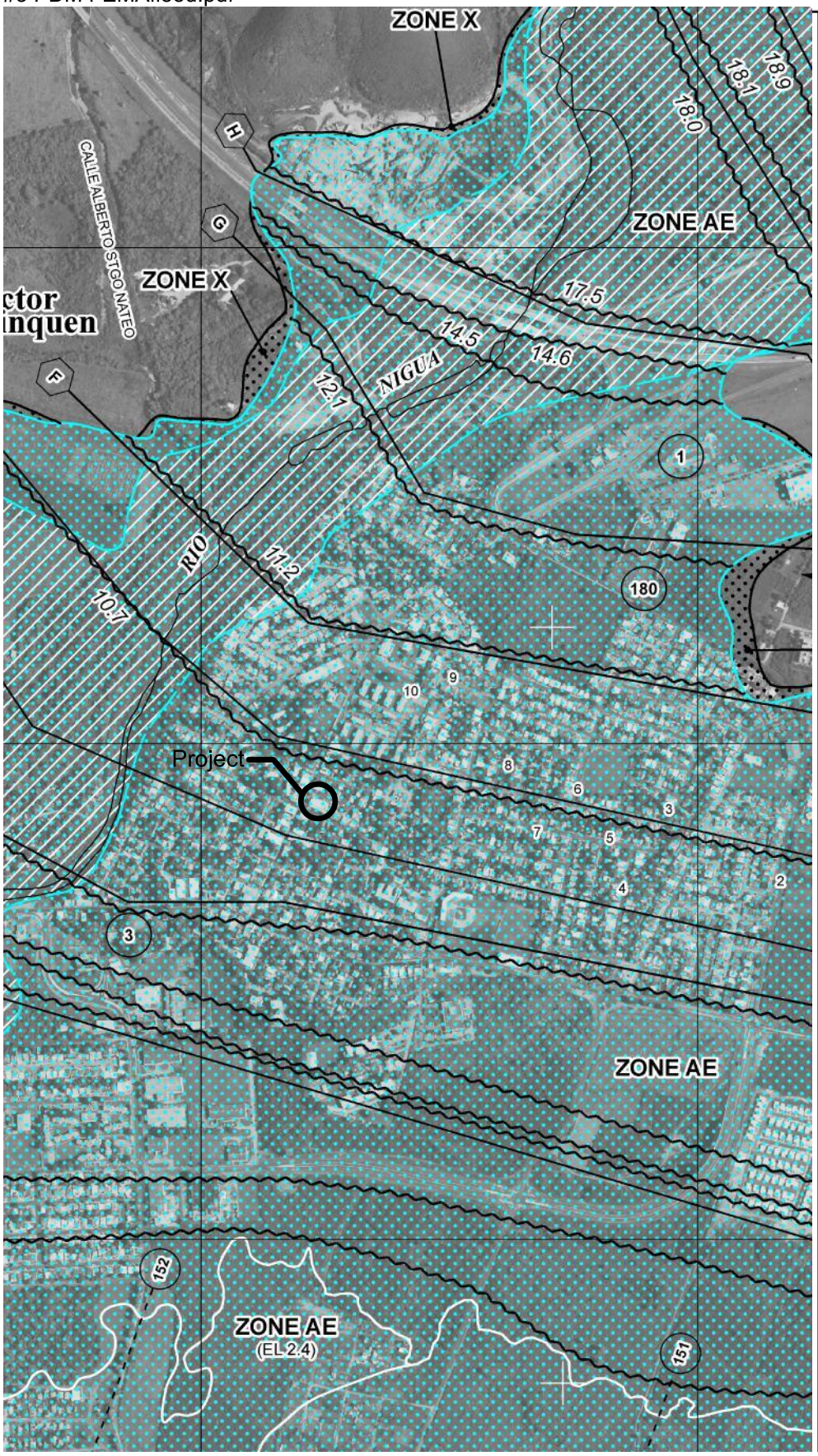
Imagery Date(s):	2010 & 2013
Imagery Source(s):	United States Army Corps of Engineers; United States Geological Survey Topographic Map
Coordinate System:	North American Datum 1983 Universal Transverse Mercator, Zone 19 North
Map 72-011A	**November 15, 2016**

MARQUES + MARQUES ARQUITECTOS
A.I.A. C.A.A.P.P.R.

Project: Plaza del Mercado - REMODELACION
Location: Calle Luis Muñoz Rivera, esquina C. Victoria Mateo, Salinas, P.R.
Coordinates : Y:214933.657, Y:0215940.760

MAP: Coastal Barrier Resource, 72-011A (Nov. 15, 2016)
Reference: Bahia de Jobos unit PR-45P

#3 PDM FEMAflood.pdf



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

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

FLOODWAY AREAS IN ZONE AE

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

OTHER FLOOD AREAS

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

OTHER AREAS

ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

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

1% annual chance floodplain boundary

0.2% annual chance floodplain boundary

Floodway boundary

Zone D boundary

CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.

513 — Base Flood Elevation line and value; elevation in meters*

(EL 987) — Base Flood Elevation value where uniform within zone; elevation in meters*

* Referenced to the Mean Sea Level

Cross section line

Transect line

87°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere

2°76'000"N — 1000-meter Universal Transverse Mercator grid values, zone NAD 1983 UTM Zone 19N

600000 FT — 5000-foot grid ticks: Puerto Rico Virgin Islands State Plane coordinate system (FIPSZONE 5200), Lambert Conformal Conic projection

DX5510 × — Bench mark (see explanation in Notes to Users section of this FIRM panel)

● M1.5 — River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

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

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

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

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

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

MAP SCALE
1:10,000

0.5 0.25 0 0.5 Kilometers

500 250 0 500 1,000 1,500 2,000 2,500 3,000 3,500 Feet

0.25 0.125 0 0.25 Miles

MARQUES + MARQUES
ARQUITECTOS
A.I.A. C.A.A.P.P.R.

Project: Plaza del Mercado - REMODELACION
Location: Calle Luis Muñoz Rivera, esquina C. Victoria Mateo, Salinas, P.R.

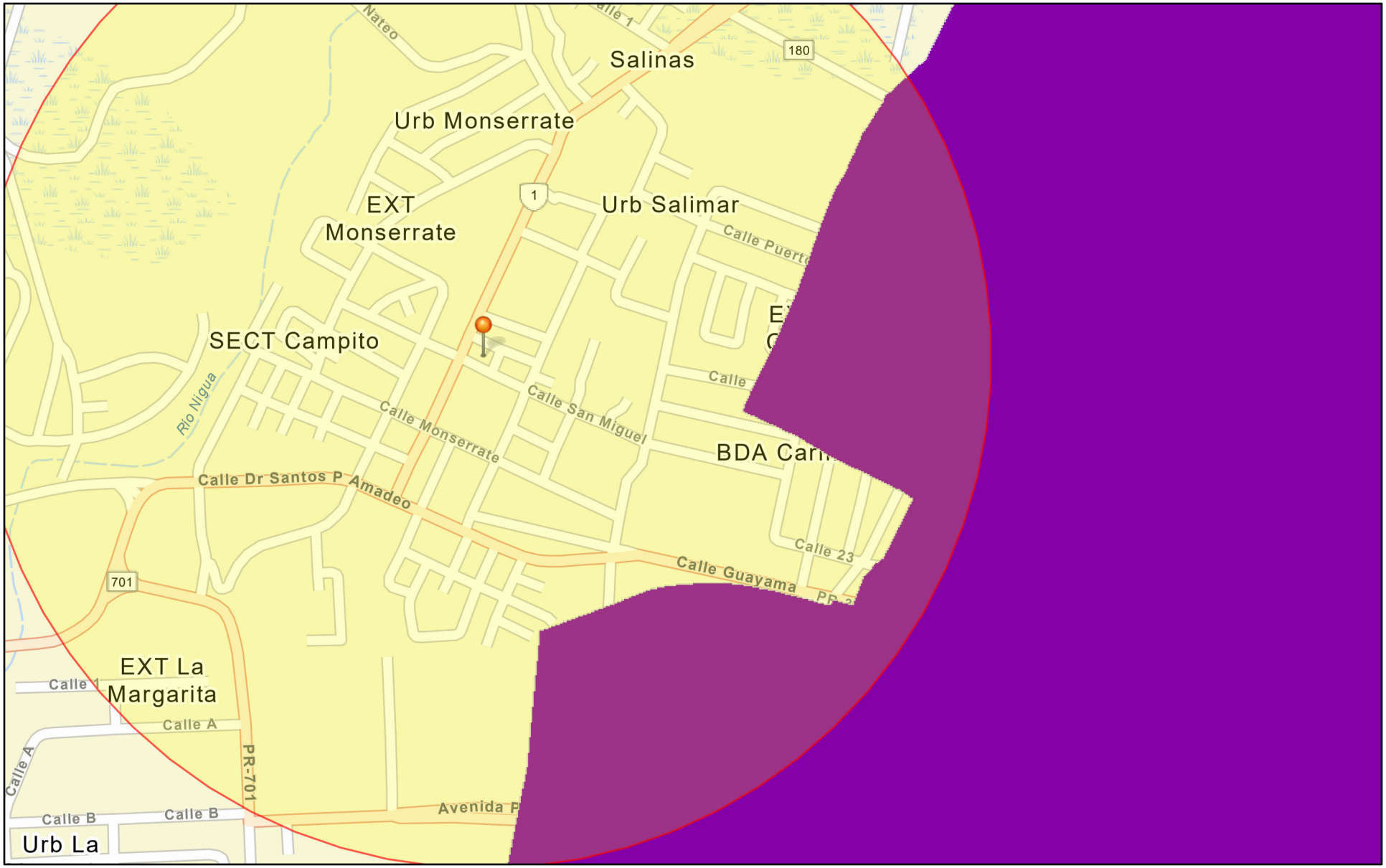
MAP: FEMA Firm Map
Reference: FEMA flood insurance rate map 2085J

ATTACHMENT 4a

Plaza del Mercado - Remodelación

AirQuality PDM

Address: Carr. #1, Esq. C. Victoria Mateo & C. Sanchez Lopez, Salinas
Coordinates: X:214933.657 Y:215940.763
Marqués + Marqués Arquitectos



September 23, 2022

Project Buffer

Plaza del Mercado

SO2 1-hr (2010 standard)

Nonattainment

1:9,028

0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

Esri Community Maps Contributors, Kadaster Netherlands, Esri, HERE, Garmin, Foursquare, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS,

Current Nonattainment Counties for All Criteria Pollutants

Data is current as of August 31, 2022

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

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

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

ALASKA
- Fairbanks North Star Borough
  - *PM-2.5 (2006)* *Fairbanks, AK - (Serious)

ARIZONA
- Cochise County
  - *PM-10 (1987)* *Cochise County; Paul Spur/Douglas planning area, AZ - (Moderate)
- Gila County
  - *Lead (2008)* *Hayden, AZ
  - *PM-10 (1987)* *Hayden, AZ - (Moderate)
  - *PM-10 (1987)* *Miami, AZ - (Moderate)
  - *Sulfur Dioxide (2010)* *Hayden, AZ
  - *Sulfur Dioxide (2010)* *Miami, AZ
  - *8-Hour Ozone (2015)* *Phoenix-Mesa, AZ - (Marginal)
- Maricopa County
  - *PM-10 (1987)* *Maricopa and Pinal Counties; Phoenix planning area, AZ - (Serious)
  - *8-Hour Ozone (2008)* *Phoenix-Mesa, AZ - (Moderate)
  - *8-Hour Ozone (2015)* *Phoenix-Mesa, AZ - (Marginal)
- Pima County
  - *PM-10 (1987)* *Pima County; Rillito planning area, AZ - (Moderate)
- Pinal County
  - *Lead (2008)* *Hayden, AZ
  - *PM-10 (1987)* *Hayden, AZ - (Moderate)
  - *PM-10 (1987)* *Maricopa and Pinal Counties; Phoenix planning area, AZ - (Serious)
  - *PM-10 (1987)* *Miami, AZ - (Moderate)
  - *PM-10 (1987)* *Pinal County (part); West Pinal, AZ - (Serious)
  - *PM-2.5 (2006)* *West Central Pinal, AZ - (Moderate)
  - *Sulfur Dioxide (1971)* *Hayden (Pinal County), AZ
  - *Sulfur Dioxide (2010)* *Hayden, AZ
  - *8-Hour Ozone (2008)* *Phoenix-Mesa, AZ - (Moderate)
  - *8-Hour Ozone (2015)* *Phoenix-Mesa, AZ - (Marginal)
- Santa Cruz County
  - *PM-10 (1987)* *Santa Cruz County; Nogales planning area, AZ - (Moderate)
  - *PM-2.5 (2006)* *Nogales, AZ - (Moderate)
- Yuma County
  - *PM-10 (1987)* *Yuma, AZ - (Moderate)
  - *8-Hour Ozone (2015)* *Yuma, AZ - (Marginal)

CALIFORNIA
- Alameda County
  - *PM-2.5 (2006)* San Francisco Bay Area, CA - (Moderate)
  - *8-Hour Ozone (2008)* San Francisco Bay Area, CA - (Marginal)
  - *8-Hour Ozone (2015)* San Francisco Bay Area, CA - (Marginal)
- Amador County
  - *8-Hour Ozone (2015)* Amador County, CA - (Marginal)
- Butte County
  - *8-Hour Ozone (2008)* Chico (Butte County), CA - (Marginal)
  - *8-Hour Ozone (2015)* Butte County, CA - (Marginal)
- Calaveras County
  - *8-Hour Ozone (2008)* Calaveras County, CA - (Marginal)
  - *8-Hour Ozone (2015)* Calaveras County, CA - (Marginal)

Contra Costa County
PM-2.5 (2006) San Francisco Bay Area, CA - (Moderate)
8-Hour Ozone (2008) San Francisco Bay Area, CA - (Marginal)
8-Hour Ozone (2015) San Francisco Bay Area, CA - (Marginal)
El Dorado County
PM-2.5 (2006) *Sacramento, CA - (Moderate)
8-Hour Ozone (2008) *Sacramento Metro, CA - (Severe 15)
8-Hour Ozone (2015) *Sacramento Metro, CA - (Serious)
Fresno County
PM-2.5 (1997) San Joaquin Valley, CA - (Serious)
PM-2.5 (2006) San Joaquin Valley, CA - (Serious)
PM-2.5 (2012) San Joaquin Valley, CA - (Serious)
8-Hour Ozone (2008) San Joaquin Valley, CA - (Extreme)
8-Hour Ozone (2015) San Joaquin Valley, CA - (Extreme)
Imperial County
PM-2.5 (2006) *Imperial County, CA - (Moderate)
PM-2.5 (2012) *Imperial County, CA - (Moderate)
8-Hour Ozone (2008) Imperial County, CA - (Moderate)
8-Hour Ozone (2015) Imperial County, CA - (Marginal)
Inyo County
PM-10 (1987) *Inyo County; Owens Valley planning area, CA - (Serious)
Kern County
PM-10 (1987) *East Kern County, CA - (Serious)
PM-2.5 (1997) *San Joaquin Valley, CA - (Serious)
PM-2.5 (2006) *San Joaquin Valley, CA - (Serious)
PM-2.5 (2012) *San Joaquin Valley, CA - (Serious)
8-Hour Ozone (2008) *Kern County (Eastern Kern), CA - (Severe 15)
8-Hour Ozone (2008) *San Joaquin Valley, CA - (Extreme)
8-Hour Ozone (2015) *Kern County (Eastern Kern), CA - (Serious)
8-Hour Ozone (2015) *San Joaquin Valley, CA - (Extreme)
Kings County
PM-2.5 (1997) San Joaquin Valley, CA - (Serious)
PM-2.5 (2006) San Joaquin Valley, CA - (Serious)
PM-2.5 (2012) San Joaquin Valley, CA - (Serious)
8-Hour Ozone (2008) San Joaquin Valley, CA - (Extreme)
8-Hour Ozone (2015) San Joaquin Valley, CA - (Extreme)
Los Angeles County
Lead (2008) *Los Angeles County-South Coast Air Basin, CA
PM-2.5 (1997) *Los Angeles-South Coast Air Basin, CA - (Moderate)
PM-2.5 (2006) *Los Angeles-South Coast Air Basin, CA - (Serious)
PM-2.5 (2012) *Los Angeles-South Coast Air Basin, CA - (Serious)
8-Hour Ozone (2008) *Los Angeles-San Bernardino Counties (West Mojave Desert), CA - (Severe 15)
8-Hour Ozone (2008) *Los Angeles-South Coast Air Basin, CA - (Extreme)
8-Hour Ozone (2015) *Los Angeles-San Bernardino Counties (West Mojave Desert), CA - (Severe 15)
8-Hour Ozone (2015) *Los Angeles-South Coast Air Basin, CA - (Extreme)
Madera County
PM-2.5 (1997) San Joaquin Valley, CA - (Serious)
PM-2.5 (2006) San Joaquin Valley, CA - (Serious)
PM-2.5 (2012) San Joaquin Valley, CA - (Serious)
8-Hour Ozone (2008) San Joaquin Valley, CA - (Extreme)
8-Hour Ozone (2015) San Joaquin Valley, CA - (Extreme)
Marin County
PM-2.5 (2006) San Francisco Bay Area, CA - (Moderate)
8-Hour Ozone (2008) San Francisco Bay Area, CA - (Marginal)
8-Hour Ozone (2015) San Francisco Bay Area, CA - (Marginal)
Mariposa County
8-Hour Ozone (2008) Mariposa County, CA - (Moderate)
8-Hour Ozone (2015) Mariposa County, CA - (Marginal)
Merced County
PM-2.5 (1997) San Joaquin Valley, CA - (Serious)
PM-2.5 (2006) San Joaquin Valley, CA - (Serious)
PM-2.5 (2012) San Joaquin Valley, CA - (Serious)
8-Hour Ozone (2008) San Joaquin Valley, CA - (Extreme)
8-Hour Ozone (2015) San Joaquin Valley, CA - (Extreme)
Mono County
PM-10 (1987) *Mono Basin, CA - (Moderate)
Napa County
PM-2.5 (2006) San Francisco Bay Area, CA - (Moderate)
8-Hour Ozone (2008) San Francisco Bay Area, CA - (Marginal)
8-Hour Ozone (2015) San Francisco Bay Area, CA - (Marginal)
Nevada County
8-Hour Ozone (2008) *Nevada County (Western part), CA - (Serious)

8-Hour Ozone (2015) *Nevada County (Western part), CA - (Serious)
Orange County
PM-2.5 (1997) Los Angeles-South Coast Air Basin, CA - (Moderate)
PM-2.5 (2006) Los Angeles-South Coast Air Basin, CA - (Serious)
PM-2.5 (2012) Los Angeles-South Coast Air Basin, CA - (Serious)
8-Hour Ozone (2008) Los Angeles-South Coast Air Basin, CA - (Extreme)
8-Hour Ozone (2015) Los Angeles-South Coast Air Basin, CA - (Extreme)
Placer County
PM-2.5 (2006) *Sacramento, CA - (Moderate)
8-Hour Ozone (2008) *Sacramento Metro, CA - (Severe 15)
8-Hour Ozone (2015) *Sacramento Metro, CA - (Serious)
Plumas County
PM-2.5 (2012) *Plumas County, CA - (Moderate)
Riverside County
PM-10 (1987) *Riverside County; Coachella Valley planning area, CA - (Serious)
PM-2.5 (1997) *Los Angeles-South Coast Air Basin, CA - (Moderate)
PM-2.5 (2006) *Los Angeles-South Coast Air Basin, CA - (Serious)
PM-2.5 (2012) *Los Angeles-South Coast Air Basin, CA - (Serious)
8-Hour Ozone (2008) *Los Angeles-South Coast Air Basin, CA - (Extreme)
8-Hour Ozone (2008) *Morongo Band of Mission Indians, CA - (Serious)
8-Hour Ozone (2008) *Pechanga Band of Luiseno Mission Indians of the Pechanga Reservation, CA - (Moderate)
8-Hour Ozone (2008) *Riverside County (Coachella Valley), CA - (Severe 15)
8-Hour Ozone (2015) *Los Angeles-South Coast Air Basin, CA - (Extreme)
8-Hour Ozone (2015) *Morongo Band of Mission Indians, CA - (Serious)
8-Hour Ozone (2015) *Pechanga Band of Luiseno Mission Indians of the Pechanga Reservation, CA - (Marginal)
8-Hour Ozone (2015) *Riverside County (Coachella Valley), CA - (Severe 15)
Sacramento County
PM-2.5 (2006) Sacramento, CA - (Moderate)
8-Hour Ozone (2008) Sacramento Metro, CA - (Severe 15)
8-Hour Ozone (2015) Sacramento Metro, CA - (Serious)
San Bernardino County
PM-10 (1987) *San Bernardino County, CA - (Moderate)
PM-10 (1987) *Trona, CA - (Moderate)
PM-2.5 (1997) *Los Angeles-South Coast Air Basin, CA - (Moderate)
PM-2.5 (2006) *Los Angeles-South Coast Air Basin, CA - (Serious)
PM-2.5 (2012) *Los Angeles-South Coast Air Basin, CA - (Serious)
8-Hour Ozone (2008) *Los Angeles-San Bernardino Counties (West Mojave Desert), CA - (Severe 15)
8-Hour Ozone (2008) *Los Angeles-South Coast Air Basin, CA - (Extreme)
8-Hour Ozone (2015) *Los Angeles-San Bernardino Counties (West Mojave Desert), CA - (Severe 15)
8-Hour Ozone (2015) *Los Angeles-South Coast Air Basin, CA - (Extreme)
San Diego County
8-Hour Ozone (2008) *Pechanga Band of Luiseno Mission Indians of the Pechanga Reservation, CA - (Moderate)
8-Hour Ozone (2008) *San Diego County, CA - (Severe 15)
8-Hour Ozone (2015) *Pechanga Band of Luiseno Mission Indians of the Pechanga Reservation, CA - (Marginal)
8-Hour Ozone (2015) *San Diego County, CA - (Severe 15)
San Francisco County
PM-2.5 (2006) San Francisco Bay Area, CA - (Moderate)
8-Hour Ozone (2008) San Francisco Bay Area, CA - (Marginal)
8-Hour Ozone (2015) San Francisco Bay Area, CA - (Marginal)
San Joaquin County
PM-2.5 (1997) San Joaquin Valley, CA - (Serious)
PM-2.5 (2006) San Joaquin Valley, CA - (Serious)
PM-2.5 (2012) San Joaquin Valley, CA - (Serious)
8-Hour Ozone (2008) San Joaquin Valley, CA - (Extreme)
8-Hour Ozone (2015) San Joaquin Valley, CA - (Extreme)
San Luis Obispo County
8-Hour Ozone (2008) *San Luis Obispo (Eastern San Luis Obispo), CA - (Marginal)
8-Hour Ozone (2015) *San Luis Obispo (Eastern part), CA - (Marginal)
San Mateo County
PM-2.5 (2006) San Francisco Bay Area, CA - (Moderate)
8-Hour Ozone (2008) San Francisco Bay Area, CA - (Marginal)
8-Hour Ozone (2015) San Francisco Bay Area, CA - (Marginal)
Santa Clara County
PM-2.5 (2006) San Francisco Bay Area, CA - (Moderate)
8-Hour Ozone (2008) San Francisco Bay Area, CA - (Marginal)
8-Hour Ozone (2015) San Francisco Bay Area, CA - (Marginal)
Solano County
PM-2.5 (2006) *Sacramento, CA - (Moderate)
PM-2.5 (2006) *San Francisco Bay Area, CA - (Moderate)
8-Hour Ozone (2008) *Sacramento Metro, CA - (Severe 15)
8-Hour Ozone (2008) *San Francisco Bay Area, CA - (Marginal)
8-Hour Ozone (2015) *Sacramento Metro, CA - (Serious)

8-Hour Ozone (2015) *San Francisco Bay Area, CA - (Marginal)
Sonoma County
PM-2.5 (2006) *San Francisco Bay Area, CA - (Moderate)
8-Hour Ozone (2008) *San Francisco Bay Area, CA - (Marginal)
8-Hour Ozone (2015) *San Francisco Bay Area, CA - (Marginal)
Stanislaus County
PM-2.5 (1997) San Joaquin Valley, CA - (Serious)
PM-2.5 (2006) San Joaquin Valley, CA - (Serious)
PM-2.5 (2012) San Joaquin Valley, CA - (Serious)
8-Hour Ozone (2008) San Joaquin Valley, CA - (Extreme)
8-Hour Ozone (2015) San Joaquin Valley, CA - (Extreme)
Sutter County
8-Hour Ozone (2008) *Sacramento Metro, CA - (Severe 15)
8-Hour Ozone (2015) *Sacramento Metro, CA - (Serious)
8-Hour Ozone (2015) *Sutter Buttes, CA - (Marginal)
Tehama County
8-Hour Ozone (2008) *Tuscan Buttes, CA - (Marginal)
8-Hour Ozone (2015) *Tuscan Buttes, CA - (Marginal (Rural Transport))
Tulare County
PM-2.5 (1997) San Joaquin Valley, CA - (Serious)
PM-2.5 (2006) San Joaquin Valley, CA - (Serious)
PM-2.5 (2012) San Joaquin Valley, CA - (Serious)
8-Hour Ozone (2008) San Joaquin Valley, CA - (Extreme)
8-Hour Ozone (2015) San Joaquin Valley, CA - (Extreme)
Tuolumne County
8-Hour Ozone (2015) Tuolumne County, CA - (Marginal)
Ventura County
8-Hour Ozone (2008) *Ventura County, CA - (Serious)
8-Hour Ozone (2015) *Ventura County, CA - (Serious)
Yolo County
PM-2.5 (2006) *Sacramento, CA - (Moderate)
8-Hour Ozone (2008) Sacramento Metro, CA - (Severe 15)
8-Hour Ozone (2015) Sacramento Metro, CA - (Serious)

COLORADO

Adams County
8-Hour Ozone (2008) Denver-Boulder-Greeley-Ft. Collins-Loveland, CO - (Serious)
8-Hour Ozone (2015) Denver Metro/North Front Range, CO - (Marginal)
Arapahoe County
8-Hour Ozone (2008) Denver-Boulder-Greeley-Ft. Collins-Loveland, CO - (Serious)
8-Hour Ozone (2015) Denver Metro/North Front Range, CO - (Marginal)
Boulder County
8-Hour Ozone (2008) Denver-Boulder-Greeley-Ft. Collins-Loveland, CO - (Serious)
8-Hour Ozone (2015) Denver Metro/North Front Range, CO - (Marginal)
Broomfield County
8-Hour Ozone (2008) Denver-Boulder-Greeley-Ft. Collins-Loveland, CO - (Serious)
8-Hour Ozone (2015) Denver Metro/North Front Range, CO - (Marginal)
Denver County
8-Hour Ozone (2008) Denver-Boulder-Greeley-Ft. Collins-Loveland, CO - (Serious)
8-Hour Ozone (2015) Denver Metro/North Front Range, CO - (Marginal)
Douglas County
8-Hour Ozone (2008) Denver-Boulder-Greeley-Ft. Collins-Loveland, CO - (Serious)
8-Hour Ozone (2015) Denver Metro/North Front Range, CO - (Marginal)
Jefferson County
8-Hour Ozone (2008) Denver-Boulder-Greeley-Ft. Collins-Loveland, CO - (Serious)
8-Hour Ozone (2015) Denver Metro/North Front Range, CO - (Marginal)
Larimer County
8-Hour Ozone (2008) *Denver-Boulder-Greeley-Ft. Collins-Loveland, CO - (Serious)
8-Hour Ozone (2015) *Denver Metro/North Front Range, CO - (Marginal)
Weld County
8-Hour Ozone (2008) *Denver-Boulder-Greeley-Ft. Collins-Loveland, CO - (Serious)
8-Hour Ozone (2015) Denver Metro/North Front Range, CO - (Marginal)

CONNECTICUT

Fairfield County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Serious)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Hartford County
8-Hour Ozone (2008) Greater Connecticut, CT - (Serious)
8-Hour Ozone (2015) Greater Connecticut, CT - (Marginal)
Litchfield County
8-Hour Ozone (2008) Greater Connecticut, CT - (Serious)
8-Hour Ozone (2015) Greater Connecticut, CT - (Marginal)
Middlesex County

8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Serious)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
New Haven County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Serious)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
New London County
8-Hour Ozone (2008) Greater Connecticut, CT - (Serious)
8-Hour Ozone (2015) Greater Connecticut, CT - (Marginal)
Tolland County
8-Hour Ozone (2008) Greater Connecticut, CT - (Serious)
8-Hour Ozone (2015) Greater Connecticut, CT - (Marginal)
Windham County
8-Hour Ozone (2008) Greater Connecticut, CT - (Serious)
8-Hour Ozone (2015) Greater Connecticut, CT - (Marginal)

DELAWARE
New Castle County
8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
Sussex County
8-Hour Ozone (2008) Seaford, DE - (Marginal)

DISTRICT OF COLUMBIA
District of Columbia
8-Hour Ozone (2015) Washington, DC-MD-VA - (Marginal)

GEORGIA
Bartow County
8-Hour Ozone (2015) Atlanta, GA - (Marginal)
Clayton County
8-Hour Ozone (2015) Atlanta, GA - (Marginal)
Cobb County
8-Hour Ozone (2015) Atlanta, GA - (Marginal)
DeKalb County
8-Hour Ozone (2015) Atlanta, GA - (Marginal)
Fulton County
8-Hour Ozone (2015) Atlanta, GA - (Marginal)
Gwinnett County
8-Hour Ozone (2015) Atlanta, GA - (Marginal)
Henry County
8-Hour Ozone (2015) Atlanta, GA - (Marginal)

GUAM
Guam
Sulfur Dioxide (1971) *Piti, GU
Sulfur Dioxide (1971) *Tanguisson, GU
Sulfur Dioxide (2010) *Piti-Cabras, GU

IDAHO
Bannock County
PM-10 (1987) *Power-Bannock Counties; Fort Hall Indian Reservation, ID - (Moderate)
Power County
PM-10 (1987) *Power-Bannock Counties; Fort Hall Indian Reservation, ID - (Moderate)

ILLINOIS
Cook County
8-Hour Ozone (2015) Chicago, IL-IN-WI - (Marginal)
DuPage County
8-Hour Ozone (2015) Chicago, IL-IN-WI - (Marginal)
Grundy County
8-Hour Ozone (2015) *Chicago, IL-IN-WI - (Marginal)
Kane County
8-Hour Ozone (2015) Chicago, IL-IN-WI - (Marginal)
Kendall County
8-Hour Ozone (2015) *Chicago, IL-IN-WI - (Marginal)
Lake County
8-Hour Ozone (2015) Chicago, IL-IN-WI - (Marginal)
Madison County
Sulfur Dioxide (2010) *Alton Township, IL
8-Hour Ozone (2015) St. Louis, MO-IL - (Marginal)
McHenry County
8-Hour Ozone (2015) Chicago, IL-IN-WI - (Marginal)
Monroe County
8-Hour Ozone (2015) St. Louis, MO-IL - (Marginal)
St. Clair County
8-Hour Ozone (2015) St. Louis, MO-IL - (Marginal)
Will County
8-Hour Ozone (2015) Chicago, IL-IN-WI - (Marginal)

INDIANA
- Huntington County
  - *Sulfur Dioxide (2010)* *Huntington, IN
- Lake County
  - *8-Hour Ozone (2015)* *Chicago, IL-IN-WI - (Marginal)
- Porter County
  - *8-Hour Ozone (2015)* *Chicago, IL-IN-WI - (Marginal)

IOWA
- Muscatine County
  - *Sulfur Dioxide (2010)* *Muscatine, IA

KANSAS
- Saline County
  - *Lead (2008)* *Saline County, KS

KENTUCKY
- Boone County
  - *8-Hour Ozone (2015)* *Cincinnati, OH-KY - (Marginal)
- Bullitt County
  - *8-Hour Ozone (2015)* Louisville, KY-IN - (Marginal)
- Campbell County
  - *8-Hour Ozone (2015)* *Cincinnati, OH-KY - (Marginal)
- Henderson County
  - *Sulfur Dioxide (2010)* *Henderson-Webster Counties, KY
- Jefferson County
  - *8-Hour Ozone (2015)* Louisville, KY-IN - (Marginal)
- Kenton County
  - *8-Hour Ozone (2015)* *Cincinnati, OH-KY - (Marginal)
- Oldham County
  - *8-Hour Ozone (2015)* Louisville, KY-IN - (Marginal)
- Webster County
  - *Sulfur Dioxide (2010)* *Henderson-Webster Counties, KY

LOUISIANA
- Evangeline Parish
  - *Sulfur Dioxide (2010)* *Evangeline Parish (Partial), LA
- St. Bernard Parish
  - *Sulfur Dioxide (2010)* St. Bernard Parish, LA

MARYLAND
- Anne Arundel County
  - *Sulfur Dioxide (2010)* *Anne Arundel County and Baltimore County, MD
  - *8-Hour Ozone (2008)* Baltimore, MD - (Moderate)
  - *8-Hour Ozone (2015)* Baltimore, MD - (Marginal)
- Baltimore County
  - *Sulfur Dioxide (2010)* *Anne Arundel County and Baltimore County, MD
  - *8-Hour Ozone (2008)* Baltimore, MD - (Moderate)
  - *8-Hour Ozone (2015)* Baltimore, MD - (Marginal)
- Baltimore city
  - *8-Hour Ozone (2008)* Baltimore, MD - (Moderate)
  - *8-Hour Ozone (2015)* Baltimore, MD - (Marginal)
- Calvert County
  - *8-Hour Ozone (2015)* Washington, DC-MD-VA - (Marginal)
- Carroll County
  - *8-Hour Ozone (2008)* Baltimore, MD - (Moderate)
  - *8-Hour Ozone (2015)* Baltimore, MD - (Marginal)
- Cecil County
  - *8-Hour Ozone (2008)* Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
  - *8-Hour Ozone (2015)* Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
- Charles County
  - *8-Hour Ozone (2015)* Washington, DC-MD-VA - (Marginal)
- Frederick County
  - *8-Hour Ozone (2015)* Washington, DC-MD-VA - (Marginal)
- Harford County
  - *8-Hour Ozone (2008)* Baltimore, MD - (Moderate)
  - *8-Hour Ozone (2015)* Baltimore, MD - (Marginal)
- Howard County
  - *8-Hour Ozone (2008)* Baltimore, MD - (Moderate)
  - *8-Hour Ozone (2015)* Baltimore, MD - (Marginal)
- Montgomery County
  - *8-Hour Ozone (2015)* Washington, DC-MD-VA - (Marginal)
- Prince George's County
  - *8-Hour Ozone (2015)* Washington, DC-MD-VA - (Marginal)

MASSACHUSETTS
- Dukes County
  - *8-Hour Ozone (2008)* Dukes County, MA - (Marginal)

MICHIGAN
- Allegan County
  - *8-Hour Ozone (2015)* *Allegan County, MI - (Marginal)
- Berrien County
  - *8-Hour Ozone (2015)* Berrien County, MI - (Marginal)
- Livingston County
  - *8-Hour Ozone (2015)* Detroit, MI - (Marginal)
- Macomb County
  - *8-Hour Ozone (2015)* Detroit, MI - (Marginal)
- Monroe County
  - *8-Hour Ozone (2015)* Detroit, MI - (Marginal)
- Muskegon County
  - *8-Hour Ozone (2015)* *Muskegon County, MI - (Marginal)
- Oakland County
  - *8-Hour Ozone (2015)* Detroit, MI - (Marginal)
- St. Clair County
  - *Sulfur Dioxide (2010)* *St. Clair, MI
  - *8-Hour Ozone (2015)* Detroit, MI - (Marginal)
- Washtenaw County
  - *8-Hour Ozone (2015)* Detroit, MI - (Marginal)
- Wayne County
  - *Sulfur Dioxide (2010)* *Detroit, MI
  - *8-Hour Ozone (2015)* Detroit, MI - (Marginal)

MINNESOTA
- Dakota County
  - *Lead (2008)* *Eagan, MN

MISSOURI
- Dent County
  - *Lead (2008)* *Iron, Dent, and Reynolds Counties, MO
- Franklin County
  - *8-Hour Ozone (2015)* *St. Louis, MO-IL - (Marginal)
- Iron County
  - *Lead (2008)* *Iron, Dent, and Reynolds Counties, MO
- Jefferson County
  - *Lead (1978)* *Jefferson County (part); Herculaneum, MO
  - *Lead (2008)* *Jefferson County, MO
  - *8-Hour Ozone (2015)* St. Louis, MO-IL - (Marginal)
- New Madrid County
  - *Sulfur Dioxide (2010)* *New Madrid County, MO
- Reynolds County
  - *Lead (2008)* *Iron, Dent, and Reynolds Counties, MO
- St. Charles County
  - *8-Hour Ozone (2015)* St. Louis, MO-IL - (Marginal)
- St. Louis County
  - *8-Hour Ozone (2015)* St. Louis, MO-IL - (Marginal)
- St. Louis city
  - *8-Hour Ozone (2015)* St. Louis, MO-IL - (Marginal)

MONTANA
- Lake County
  - *PM-10 (1987)* *Lake County; Polson, MT - (Moderate)
  - *PM-10 (1987)* *Lake County; Ronan, MT - (Moderate)
- Lincoln County
  - *PM-2.5 (1997)* *Libby, MT - (Moderate)
- Rosebud County
  - *PM-10 (1987)* *Rosebud County; Lame Deer, MT - (Moderate)
- Yellowstone County
  - *Sulfur Dioxide (1971)* *Laurel Area (Yellowstone County), MT

NEVADA
- Clark County
  - *8-Hour Ozone (2015)* *Las Vegas, NV - (Marginal)

NEW JERSEY
- Atlantic County
  - *8-Hour Ozone (2008)* Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
  - *8-Hour Ozone (2015)* Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
- Bergen County
  - *8-Hour Ozone (2008)* New York-N. New Jersey-Long Island, NY-NJ-CT - (Serious)
  - *8-Hour Ozone (2015)* New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
- Burlington County
  - *8-Hour Ozone (2008)* Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
  - *8-Hour Ozone (2015)* Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
- Camden County
  - *8-Hour Ozone (2008)* Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)

8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
Cape May County
8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
Cumberland County
8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
Essex County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Serious)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Gloucester County
8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
Hudson County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Serious)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Hunterdon County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Serious)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Mercer County
8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
Middlesex County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Serious)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Monmouth County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Serious)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Morris County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Serious)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Ocean County
8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
Passaic County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Serious)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Salem County
8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
Somerset County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Serious)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Sussex County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Serious)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Union County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Serious)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Warren County
Sulfur Dioxide (1971) *Warren County, NJ
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Serious)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)

NEW MEXICO

Dona Ana County
PM-10 (1987) *Dona Ana County; Anthony, NM - (Moderate)
8-Hour Ozone (2015) *El Paso-Las Cruces, TX-NM - (Marginal)

NEW YORK

Bronx County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Serious)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Chautauqua County
8-Hour Ozone (2008) Jamestown, NY - (Marginal)
Kings County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Serious)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Nassau County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Serious)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
New York County
PM-10 (1987) New York County, NY - (Moderate)
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Serious)

8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Queens County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Serious)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Richmond County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Serious)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Rockland County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Serious)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
St. Lawrence County
Sulfur Dioxide (2010) *St. Lawrence County, NY
Suffolk County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Serious)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
Westchester County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Serious)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)

OHIO

Cuyahoga County
8-Hour Ozone (2015) Cleveland, OH - (Marginal)
Geauga County
8-Hour Ozone (2015) Cleveland, OH - (Marginal)
Lake County
8-Hour Ozone (2015) Cleveland, OH - (Marginal)
Lorain County
8-Hour Ozone (2015) Cleveland, OH - (Marginal)
Medina County
8-Hour Ozone (2015) Cleveland, OH - (Marginal)
Morgan County
Sulfur Dioxide (2010) *Muskingum River, OH
Portage County
8-Hour Ozone (2015) Cleveland, OH - (Marginal)
Summit County
8-Hour Ozone (2015) Cleveland, OH - (Marginal)
Washington County
Sulfur Dioxide (2010) *Muskingum River, OH

OREGON

Klamath County
PM-2.5 (2006) *Klamath Falls, OR - (Moderate)
Lane County
PM-10 (1987) *Lane County (part); Oakridge, OR - (Moderate)
PM-2.5 (2006) *Oakridge, OR - (Moderate)

PENNSYLVANIA

Allegheny County
PM-2.5 (1997) *Liberty-Clairton, PA - (Moderate)
PM-2.5 (2006) *Liberty-Clairton, PA - (Moderate)
PM-2.5 (2012) Allegheny County, PA - (Moderate)
Sulfur Dioxide (2010) *Allegheny, PA
8-Hour Ozone (2008) Pittsburgh-Beaver Valley, PA - (Marginal)
Armstrong County
Sulfur Dioxide (1971) *Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA
Sulfur Dioxide (2010) *Indiana, PA
8-Hour Ozone (2008) Pittsburgh-Beaver Valley, PA - (Marginal)
Beaver County
Lead (2008) *Lower Beaver Valley, PA
Sulfur Dioxide (2010) *Beaver, PA
8-Hour Ozone (2008) Pittsburgh-Beaver Valley, PA - (Marginal)
Berks County
Lead (2008) *Lyons, PA
Lead (2008) *North Reading, PA
8-Hour Ozone (2008) Reading, PA - (Marginal)
Bucks County
8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
Butler County
8-Hour Ozone (2008) Pittsburgh-Beaver Valley, PA - (Marginal)
Carbon County
8-Hour Ozone (2008) Allentown-Bethlehem-Easton, PA - (Marginal)
Chester County
8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)

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

PUERTO RICO

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

TENNESSEE

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

TEXAS

Anderson County
Sulfur Dioxide (2010) *Freestone and Anderson Counties, TX
Bexar County
8-Hour Ozone (2015) San Antonio, TX - (Marginal)
Brazoria County
8-Hour Ozone (2008) Houston-Galveston-Brazoria, TX - (Serious)
8-Hour Ozone (2015) Houston-Galveston-Brazoria, TX - (Marginal)
Chambers County
8-Hour Ozone (2008) Houston-Galveston-Brazoria, TX - (Serious)
8-Hour Ozone (2015) Houston-Galveston-Brazoria, TX - (Marginal)
Collin County
8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Serious)
8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Marginal)
Dallas County
8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Serious)
8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Marginal)
Denton County
8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Serious)
8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Marginal)
El Paso County
PM-10 (1987) *El Paso County, TX - (Moderate)
8-Hour Ozone (2015) El Paso-Las Cruces, TX-NM - (Marginal)
Ellis County
8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Serious)
8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Marginal)
Fort Bend County
8-Hour Ozone (2008) Houston-Galveston-Brazoria, TX - (Serious)
8-Hour Ozone (2015) Houston-Galveston-Brazoria, TX - (Marginal)

Freestone County
Sulfur Dioxide (2010) *Freestone and Anderson Counties, TX
Galveston County
8-Hour Ozone (2008) Houston-Galveston-Brazoria, TX - (Serious)
8-Hour Ozone (2015) Houston-Galveston-Brazoria, TX - (Marginal)
Harris County
8-Hour Ozone (2008) Houston-Galveston-Brazoria, TX - (Serious)
8-Hour Ozone (2015) Houston-Galveston-Brazoria, TX - (Marginal)
Howard County
Sulfur Dioxide (2010) *Howard County, TX
Hutchinson County
Sulfur Dioxide (2010) *Hutchinson County, TX
Johnson County
8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Serious)
8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Marginal)
Kaufman County
8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Serious)
8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Marginal)
Liberty County
8-Hour Ozone (2008) Houston-Galveston-Brazoria, TX - (Serious)
Montgomery County
8-Hour Ozone (2008) Houston-Galveston-Brazoria, TX - (Serious)
8-Hour Ozone (2015) Houston-Galveston-Brazoria, TX - (Marginal)
Navarro County
Sulfur Dioxide (2010) *Navarro County, TX
Panola County
Sulfur Dioxide (2010) *Rusk and Panola Counties, TX
Parker County
8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Serious)
8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Marginal)
Rockwall County
8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Serious)
Rusk County
Sulfur Dioxide (2010) *Rusk and Panola Counties, TX
Tarrant County
8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Serious)
8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Marginal)
Titus County
Sulfur Dioxide (2010) *Titus County, TX
Waller County
8-Hour Ozone (2008) Houston-Galveston-Brazoria, TX - (Serious)
Wise County
8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Serious)
8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Marginal)

UTAH

Box Elder County
PM-2.5 (2006) *Salt Lake City, UT - (Serious)
Davis County
PM-2.5 (2006) Salt Lake City, UT - (Serious)
8-Hour Ozone (2015) Northern Wasatch Front, UT - (Marginal)
Duchesne County
8-Hour Ozone (2015) *Uinta Basin, UT - (Marginal)
Salt Lake County
PM-2.5 (2006) Salt Lake City, UT - (Serious)
Sulfur Dioxide (1971) Salt Lake County, UT
8-Hour Ozone (2015) Northern Wasatch Front, UT - (Marginal)
Tooele County
PM-2.5 (2006) *Salt Lake City, UT - (Serious)
Sulfur Dioxide (1971) *Tooele County, UT
8-Hour Ozone (2015) *Northern Wasatch Front, UT - (Marginal)
Uintah County
8-Hour Ozone (2015) *Uinta Basin, UT - (Marginal)
Utah County
PM-2.5 (2006) *Provo, UT - (Serious)
8-Hour Ozone (2015) *Southern Wasatch Front, UT - (Marginal)
Weber County
PM-2.5 (2006) *Salt Lake City, UT - (Serious)
8-Hour Ozone (2015) *Northern Wasatch Front, UT - (Marginal)

VIRGINIA

Alexandria city
8-Hour Ozone (2015) Washington, DC-MD-VA - (Marginal)
Arlington County

8-Hour Ozone (2015) Washington, DC-MD-VA - (Marginal)
Fairfax County
8-Hour Ozone (2015) Washington, DC-MD-VA - (Marginal)
Fairfax city
8-Hour Ozone (2015) Washington, DC-MD-VA - (Marginal)
Falls Church city
8-Hour Ozone (2015) Washington, DC-MD-VA - (Marginal)
Giles County
Sulfur Dioxide (2010) *Giles County, VA
Loudoun County
8-Hour Ozone (2015) Washington, DC-MD-VA - (Marginal)
Manassas Park city
8-Hour Ozone (2015) Washington, DC-MD-VA - (Marginal)
Manassas city
8-Hour Ozone (2015) Washington, DC-MD-VA - (Marginal)
Prince William County
8-Hour Ozone (2015) Washington, DC-MD-VA - (Marginal)

WASHINGTON

Whatcom County
Sulfur Dioxide (2010) *Whatcom County, WA

WISCONSIN

Kenosha County
8-Hour Ozone (2015) *Chicago, IL-IN-WI - (Marginal)
Milwaukee County
8-Hour Ozone (2015) Milwaukee, WI - (Marginal)
Ozaukee County
8-Hour Ozone (2015) Milwaukee, WI - (Marginal)
Racine County
8-Hour Ozone (2015) *Milwaukee, WI - (Marginal)
Sheboygan County
8-Hour Ozone (2015) *Sheboygan County, WI - (Marginal)
Washington County
8-Hour Ozone (2015) *Milwaukee, WI - (Marginal)
Waukesha County
8-Hour Ozone (2015) *Milwaukee, WI - (Marginal)

WYOMING

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

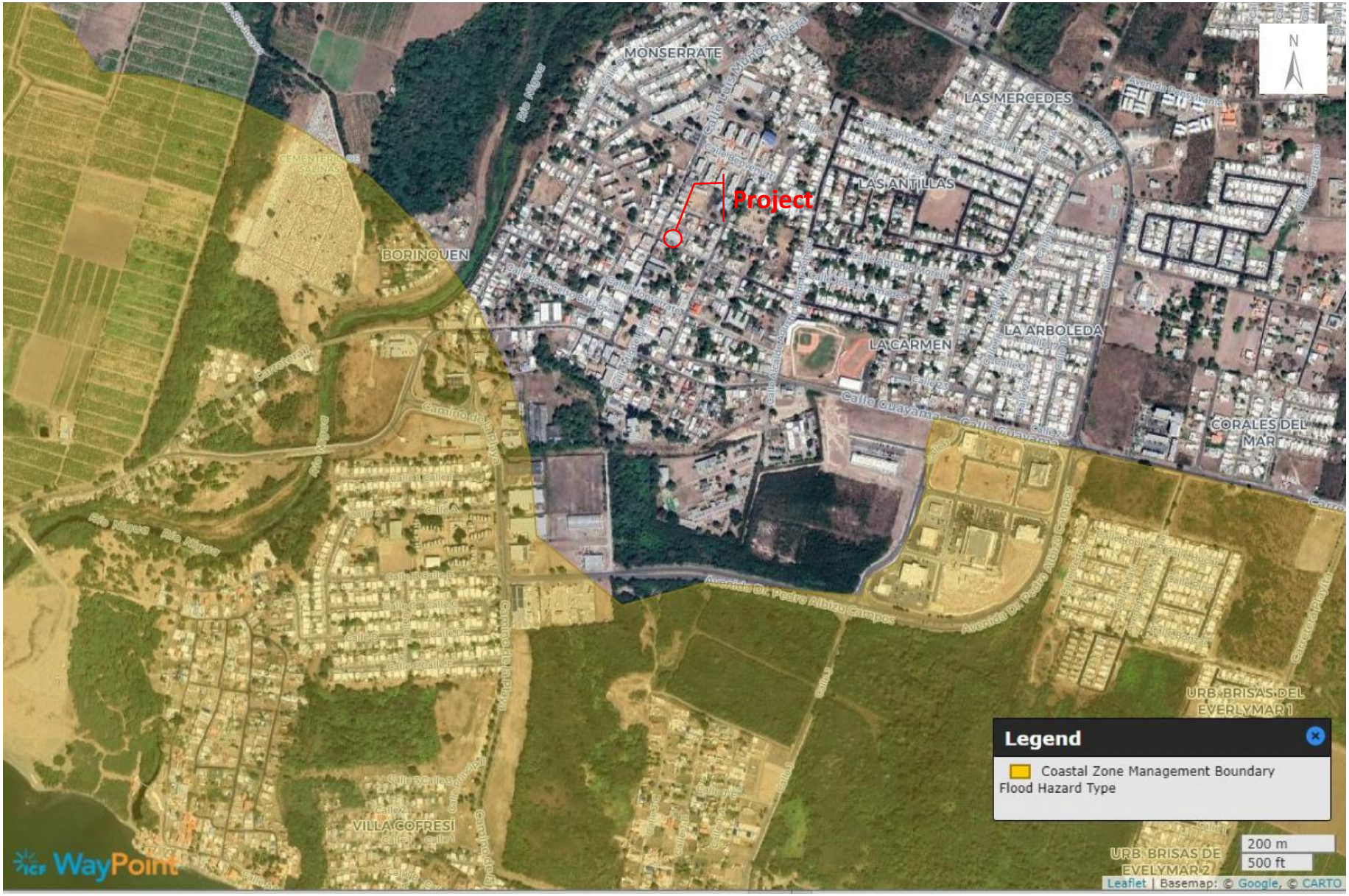
#5 PDM CoastalZone.pdf

Coastal Zone Boundary Map

PR-CRP-000529 – Reconstrucción Plaza del Mercado, Salinas

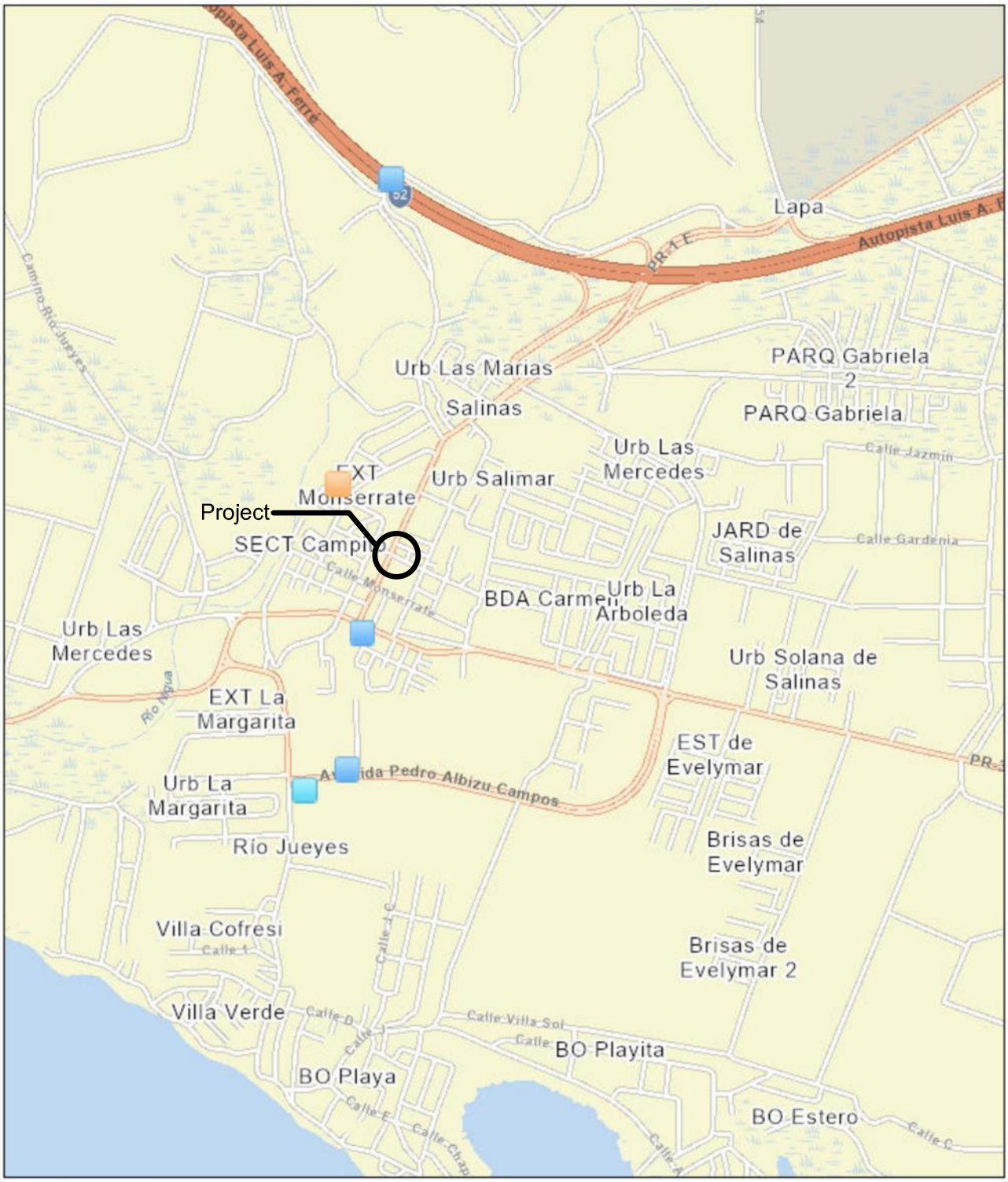
Coord: 17.978371, -66.297307

Carr. #1, Esq. C. Victoria Mateo & C. Sanchez Lopez, Salinas, Puerto Rico



Source: US National Oceanic and Atmospheric Administration (NOAA), 2018, US Coastal Zone Management Act boundary (Ver. 20180830), accessed September 13, 2019 at URL https://koordinates.com/layer/20522-us-coastal-zone-management-act-boundary/

#6a PDM ToxicSites2.pdf



MARQUES + MARQUES ARQUITECTOS
A.I.A. C.A.A.P.P.R.

Project: Plaza del Mercado - REMODELACION
Location: Calle Luis Muñoz Rivera, esquina C. Victoria Mateo, Salinas, P.R.

MAP: NEPAassist Toxic Sites map
Reference: NEPAssist EPA facilities (NPDES, TRI, ACRES, TSCA)

PR-CRP-000529

Map

Geographic coordinates:

POINT (17.978366,-66.297324)
with buffer 0.6 miles

Note: The information in the following reports is based on publicly available databases and web services. The National Report uses nationally available datasets and the State Reports use datasets available through the EPA Regions. Click on the hyperlinked question to view the data source and associated metadata.

National Report

Project Location	17.978366,-66.297324
Within 0.6 miles of an Ozone 8-hr (1997 standard) Non-Attainment/Maintenance Area?	no
Within 0.6 miles of an Ozone 8-hr (2008 standard) Non-Attainment/Maintenance Area?	no
Within 0.6 miles of a Lead (2008 standard) Non-Attainment/Maintenance Area?	no
Within 0.6 miles of a SO2 1-hr (2010 standard) Non-Attainment/Maintenance Area?	yes
Within 0.6 miles of a PM2.5 24hr (2006 standard) Non-Attainment/Maintenance Area?	no
Within 0.6 miles of a PM2.5 Annual (1997 standard) Non-Attainment/Maintenance Area?	no
Within 0.6 miles of a PM2.5 Annual (2012 standard) Non-Attainment/Maintenance Area?	no
Within 0.6 miles of a PM10 (1987 standard) Non-Attainment/Maintenance Area?	no
Within 0.6 miles of a Federal Land?	no
Within 0.6 miles of an impaired stream?	no
Within 0.6 miles of an impaired waterbody?	yes
Within 0.6 miles of a waterbody?	yes
Within 0.6 miles of a stream?	yes
Within 0.6 miles of an NWI wetland?	click here ***May take several minutes***
Within 0.6 miles of a Brownfields site?	yes
Within 0.6 miles of a Superfund site?	no
Within 0.6 miles of a Toxic Release Inventory (TRI) site?	yes
Within 0.6 miles of a water discharger (NPDES)?	yes
Within 0.6 miles of a hazardous waste (RCRA) facility?	yes
Within 0.6 miles of an air emission facility?	yes
Within 0.6 miles of a school?	no
Within 0.6 miles of an airport?	no
Within 0.6 miles of a hospital?	yes
Within 0.6 miles of a designated sole source aquifer?	no
Within 0.6 miles of a historic property on the National Register of Historic Places?	no
Within 0.6 miles of a Toxic Substances Control Act (TSCA) site?	no
Within 0.6 miles of a Land Cession Boundary?	no
Within 0.6 miles of a tribal area (lower 48 states)?	no
Within 0.6 miles of the service area of a mitigation or conservation bank?	no
Within 0.6 miles of the service area of an In-Lieu-Fee Program?	no
Within 0.6 miles of a Public Property Boundary of the Formerly Used Defense Sites?	no
Within 0.6 miles of a Munitions Response Site?	no
Within 0.6 miles of an Essential Fish Habitat (EFH)?	no
Within 0.6 miles of a Habitat Area of Particular Concern (HAPC)?	no

Within 0.6 miles of an EFH Area Protected from Fishing (EFHA)?	yes
Within 0.6 miles of a Bureau of Land Management Area of Critical Environmental Concern?	no
Within 0.6 miles of an ESA-designated Critical Habitat Area per U.S. Fish & Wildlife Service?	no
Within 0.6 miles of an ESA-designated Critical Habitat river, stream or water feature per U.S. Fish & Wildlife Service?	no

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Puerto Rico Report
Demographic Reports
USFWS IPaC Report

SERVICES

PREQB Accredited Asbestos Trainings
Environmental, Health, and Safety Trainings
Occupational Health and Safety Evaluations
General Environmental/Compliance Consulting
Waste Management Consulting
Indoor Air Quality Consulting
Water, Storm Water, and Wastewater Compliance

LEAD-BASED PAINT SURVEY REPORT

Plaza del Mercado

Calle Muñoz Rivera, Salinas PR 00751

April 2022

Prepared for:

Mr. Bernardo Marqués, AIA Marques + Marques Arquitectos

Prepared by:

CHES Services, Corporation

CHES Project No.: C4462

CHES Services Corp.
d/b/a Fernando L. Rodríguez, P.E. & Associates
P.O. Box 193430 | San Juan, P.R. 00919-3430 | Web: www.flraches.com
Tel.: (787) 751-7810 | Fax (787) 751-8988 | Skype: flraches
Learn about our new company, a subsidiary of CHES/FLRA: *IEMES, PSC (www.iemespsc.com)*

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Appendices

Tables

Executive Summary

Our office, CHES Services, Corporation (CHES) d/b/a Fernando L. Rodríguez, P. E. & Associates (FLRA), was contracted by Mr. Bernardo Marqués, AIA Marques + Marques Arquitectos, to conduct an Environmental Site Assessment to determine if Lead-Based Paint (LBP) is present in designated areas of Plaza del Mercado located at Calle Muñoz Rivera, Salinas PR 00751. All work was conducted by certified personnel and sampling was conducted in accordance with established sampling protocols as well.

This survey was performed to comply with the necessary regulatory requirements prior any demolition and/or remodeling activity is conducted in the subject building structure. The survey work described in this report was conducted for Mr. Bernardo Marqués, AIA Marques + Marques Arquitectos, in accordance with the CHES proposal number C4462 dated February 1, 2022. This work was performed in conformance with the scope and limitations of the applicable regulations.

This report describes the survey methodology; survey activities, results and recommendations based on the assessment findings for your perusal. The survey efforts included inspection of the site, revisions of available relevant documentations, if any, interviews with persons who knows the site, and sampling activities conducted by accredited inspectors. The survey revealed the following:

CHES performed a survey to identify LBP at Plaza del Mercado on April 26, 2022. Based on the results obtained from the XRF unit, all readings above 1.0 mg/cm^2 were identified as LBP. A summary of the identified LBP building components and/or surfaces is included below.

Interior:

Component	Substrate	Wall	Color	Room Equivalent	Area[1]
Wall	Ceramic	B, D	Terracotta, Brown	Interior	583 ft^2
Column, Column Lower Rail	Concrete	A, B, C	Beige, White	Interior	unquantified
Arch	Concrete	B	White	Interior	unquantified
Wall	Concrete	B, C	Beige	Interior	unquantified
Doorway exterior	Concrete	D	Beige	Interior	unquantified
Wall	Concrete	C, D	White	Area 1	200 ft^2
Wall & Column	Concrete	A, C, D	Gray	Area 2	420 ft^2
Countertop	Ceramic	B	Brown	Area 2	18 ft^2
Wall & Column	Concrete	A, C	White	Area 3	400 ft^2
Countertop	Ceramic	B	Brown	Area 3	18 ft^2
Wall	Concrete	A, C, D	Blue	Area 4	475 ft^2
Countertop	Ceramic	B	Brown	Area 5	8 ft^2
Wall	Concrete	A, B, D	Gray, White	Area 5	560 ft^2
Wall	Concrete	A, B, C, D	Beige, Turquoise	Area 6	855 ft^2
Countertop	Ceramic	B	Brown	Area 6	18 ft^2
Wall	Concrete	A, C, D	Gray	Area 7	210 ft^2
Wall, Column	Concrete	A, B, C, D	Gray, White	Area 8	620 ft^2
Countertop	Ceramic	B	Brown	Area 8	10 ft^2

[1] Contractors completing proposals for LBP abatement are responsible for verifying or confirming the location, quantity, degree of damage and need for removing the identified materials.

Interior (Cont.):

Component	Substrate	Wall	Color	Room Equivalent	Area[2]
Wall, Column	Concrete	A, B, C	Blue, Gray, Brown	Area 9	595 ft^2
Floor	Ceramic	Floor	Brown	Area 9	325 ft^2
Countertop	Ceramic	D	Brown	Area 9	24 ft^2
Wall, Column	Concrete	A, B, C	White	Area 12	490 ft^2
Countertop	Ceramic	D	Brown	Area 12	10 ft^2
Wall	Concrete	B	Gray	Area 14	40 ft^2

Exterior:

Component	Substrate	Wall	Color	Room Equivalent	Area[2]
Wall, Column, Baseboard	Concrete	A, B, D	Yellow, White	Exterior	unquantified
Curbside	Concrete	C	Traffic Yellow	Exterior	unquantified

The survey confirms that LBP contaminant was present in the subject property during the inspection. If any other suspected LBP material component or surface is identified within the subject building that was not included in this survey, it should be surveyed by an accredited inspector to determine if it does contain LBP.

[2] Contractors completing proposals for LBP abatement are responsible for verifying or confirming the location, quantity, degree of damage and need for removing the identified materials.

1. Introduction

1.1. Scope of Work

CHES Services, Corporation (CHES) was contracted by Mr. Bernardo Marqués, AIA Marques + Marques Arquitectos, to an environmental site assessment at the Plaza del Mercado located in Calle Muñoz Rivera, Salinas PR 00751. The purpose of the survey was to determine if Lead-Based Paint (LBP) is present in the subject structure.

1.2. Special Terms and Conditions

The site assessment work described in this report was conducted for Plaza del Mercado on April 26, 2022 in accordance with CHES proposal number C4462 dated February 1, 2022. This report has been prepared for the exclusive use of Mr. Bernardo Marqués, AIA Marques + Marques Arquitectos.

1.3. Limitations

The survey was conducted in accordance with federal and state regulatory requirements and standard industry practices valid at the time of the inspection efforts. The conclusions of the report are professional opinions based solely upon visual site observations, and interpretations of lead readings as described in its contained. The opinions presented in this survey report apply to the site conditions existing at the time of the investigations, and interpretations of current regulations.

2. Building Description

2.1. Location and Site Description

The subject property is located in Calle Muñoz Rivera, Salinas PR 00751. As per available information, the structure subject to this survey is a one-story concrete building constructed in 1925 with neoclassical ornamentation on the main façade. As indicated by the property owner the building has been in operation since its construction and few alterations conducted since then.

The Plaza del Mercado houses the commercial and facilities spaces described below. During the inspection efforts, all areas were found occupied however, few were inaccessible the occupants were not available. Refer to Appendix 1 for aerial location map of the site and a photographic summary of site conditions during the efforts. For this report, the surveyed areas are referred to as Plaza del Mercado Salinas. Below are listed the surveyed areas.

Surveyed Areas

- Area 1: Oficina de Turismo y Asuntos Artesanales
- Area 2: La Parrilla de Tommy
- Area 3: Konfetty
- Area 4: Pescadería y Mucho Más
- Area 5: Barberia
- Area 6: La Casita de los Bizcochos
- Area 7: Janitor Room
- Area 8: Gift Nail's Supply
- Area 9: Aroma de Café
- Area 10: Men's Bathroom
- Area 11: Women's Bathroom
- Area 12: Blessed Piercing, Jewelry & more...
- Area 13: Agencia Hípica
- Area 14: La Salita Familiar

3. Lead-Based Paint Survey

3.1. Survey Personnel and Laboratory

The LBP survey activities were conducted on April 26, 2022, by the accredited personnel. The accredited inspector(s) made reasonable effort to inspect all areas of the subject property building for LBP.

The following accredited LBP inspectors conducted and/or assisted in during the inspection:

- **Mr. Fernando L. Rodríguez** — **Project Manager, CHES**
  Lead Accredited Inspector: LBPI-28621-326
- **Miss Carmen Figueroa** — **Field Accredited Inspector, CHES**
  Lead Accredited Inspector: LBPI-34021-385
- **Miss Stephanie Hall** — **Field Accredited Inspector, CHES**
  Lead Accredited Inspector: LBPI-34021-384
- **Miss Monserrat González** — **Graduate Environmental Engineer, CHES**
  Competent Person

An X-Ray Fluorescence (XRF) lead analyzer was used to test the paint for lead. The analyzer is a nondestructive method of paint testing and provides immediate results for each test conducted.

3.2. LBP Survey Methodology

An LBP is defined as a paint or other surface coating that contains more than one (1) milligram per centimeter square (mg/cm^2) of lead or 5,000 parts per million (ppm) [(0.5 wt %)] of lead by dry weight. In addition, in 1978 the Consumer Product Safety Commission (CPSC) banned the residential use of paint that contained an amount greater than or equal to 600 ppm (0.06 wt %).

The common method employed for paint testing is with an XRF Lead Analyzer, designed to measure the lead content of surface coatings on a variety of building surfaces, substrates, and components. The measurement is rapid and nondestructive, and the instrument can detect lead concentrations within numerous layers of various surface coatings. This technology also allows for measurement of X-rays without scraping or samples preparation to characterize substrate or matrix effects.

If paint contains less than 1.0 mg/cm^2 lead in the XRF reading, it is considered as a "negative" result for LBP presence. Any value over this limit is considered by the Puerto Rico Department of Natural and Environmental Resources (PRDNER) as an LBP material and may be subject to an abatement method. However, some painted surfaces may contain levels of lead below the established limit, which could create lead dust or lead-contaminated soil hazards if the paint is turned into dust by abrasion, scraping, or sanding.

3.2.1. LBP Survey Limitations or Exceptions

For this survey inaccessible areas are building areas, systems, structural components, or surfaces which could not be observed because it was unsafe or impractical to demolish, disassemble, or remove systems or covering. Areas that were inaccessible during the survey efforts are listed in Table 1.

Table 1: Inaccessible Areas and/or Materials

Area	Explanation
07	The back room of Area 7 was closed. Keys to access the room were not available
13	The tenant was not onsite during the inspection efforts to grant access

Additionally, and unless specifically noted, the survey did not cover:

- Concealed floor coverings beneath superficial floor covering in some areas.
- Hidden and/or inaccessible locations such as in wall chases, hidden storage areas and similar.

3.3. LBP Survey Findings

3.3.1. XRF Results

A total number of 219 testing combinations were sampled within the subject building area. Testing combinations included paints on surfaces such as metal, concrete, ceramic, among others. Lead content greater than the HUD standard (1.0 mg/cm^2) was found on the painted surfaces and/or components described in Table 2 and detailed in Appendix 3. The data shows all instrument readings registered during the inspection survey exercise with their respective descriptions, such as component, substrate, location, and color. It should be noted that color descriptions are subjective and that, due to the nature of the environment, site conditions, identical/same colors may have been labeled as different depending on the lighting, or other factors.

Table 2: Summary of LBP Survey Findings

Component	Substrate	Wall	Color	Room Equivalent
Wall	Concrete	B, C, D	Terracotta, Brown, Beige	Interior
Column, Base Board	Concrete	A, C	Beige, White	Interior
Arch	Concrete	B	White	Interior
Wall	Ceramic	B, D	Terracotta, Brown	Interior
Doorway	Concrete	B	White	Interior
Wall	Concrete	C, D	White	Area 1
Wall	Ceramic	D	Terracotta	Area 1
Wall & Column	Concrete	A, C, D	Gray	Area 2
Countertop	Ceramic	B	Brown	Area 2
Wall & Column	Concrete	A, C	White	Area 3
Countertop	Ceramic	B	Brown	Area 3
Wall	Concrete	A, C, D	Blue	Area 4
Countertop	Ceramic	B	Brown	Area 5
Wall	Concrete	A, B, D	Gray, White	Area 5
Wall	Concrete	A, B, C, D	Beige, Turquoise	Area 6
Countertop	Ceramic	B	Brown	Area 6

Table 3: Summary of LBP Survey Findings (Cont.)

Component	Substrate	Wall	Color	Room Equivalent
Wall	Concrete	A, C, D	Gray	Area 7
Wall, Column	Concrete	A, B, C, D	Gray, White	Area 8
Countertop	Ceramic	B	Brown	Area 8
Wall	Concrete	A, B, C, Floor	Blue, Gray, Brown	Area 9
Countertop	Ceramic	D	Brown	Area 9
Wall, Column	Concrete	A, B, C	White	Area 12
Countertop	Ceramic	D	Brown	Area 12
Wall	Concrete	B	Gray	Area 14
Base Board	Concrete	A, B, D	White	Exterior
Curbside	Concrete	C	Traffic Yellow	Exterior

3.3.2. Locations of Detected LBP

Based on the detection of LBP on specific component types and our observation of an apparent homogeneous painting history, the following structure components should be considered to be coated with LBP:

- Exterior walls (white-painted lower rail and walls painted over 7 feet height)
- Interior walls

4. Conclusions

CHES concludes that the material identified as positive to Lead must be managed according to the appropriate standards. All Lead concentration detected must be handled in accordance with OSHA Standards 29 CFR 1926.62

Furthermore, CHES also recommends that if there any suspected lead-containing is identified within the subject area that was not included in this survey, it should be sampled by an accredited inspector to determine if it does contain any of the tested contaminants.

Best Management Practices (BMPs) must be followed whenever handling and disposing of any construction debris, or non-hazardous solid waste from the subject facility areas during any remodeling or demolition phase, as well as handling discarded materials and equipment that can be stored or exposed to or impacted by rainwater in different areas through the subject property during this activity.

The results, findings, and conclusions presented in this report are based on conditions that were noted on Section 3.3 and data gathered during CHES's assessment of this project. Any conditions or materials that could not be visually identified (i.e., inaccessible areas) or were out of the scope of work at hand, were not inspected and may differ from those conditions or materials noted. It was not within the scope of the inspection to remove surface installed materials to investigate portions of the structure or materials that may lay beneath or above the existing building surfaces. CHES's random selection of sample locations and frequency of sampling or readings was based on CHES's observations and the assumption that like materials in the same area are homogeneous.

The report is designed to assist the building owner, architect, construction manager, general contractors, and potential lead abatement contractors in locating LBP. Under no circumstances is the report to be utilized as a solely bidding document or as a project specification document given that abatement bidders are responsible for visiting and define the scope of the project.

5. Signature of Environmental Assessment

CHES Services, Corporation, d/b/a Fernando L. Rodríguez, PE & Associates have prepared this Survey Report for Lead-Based Paint as part of the field inspection efforts to determine if Lead-Based Paint is present in the Plaza del Mercado located in Calle Muñoz Rivera, Salinas PR 00751. This study was performed as per the request of Mr. Bernardo Marqués, representing Marques + Marques Arquitectos, interest entity in receiving the results of this site assessment.

Environmental Professional's Signature

05/11/2022

Date

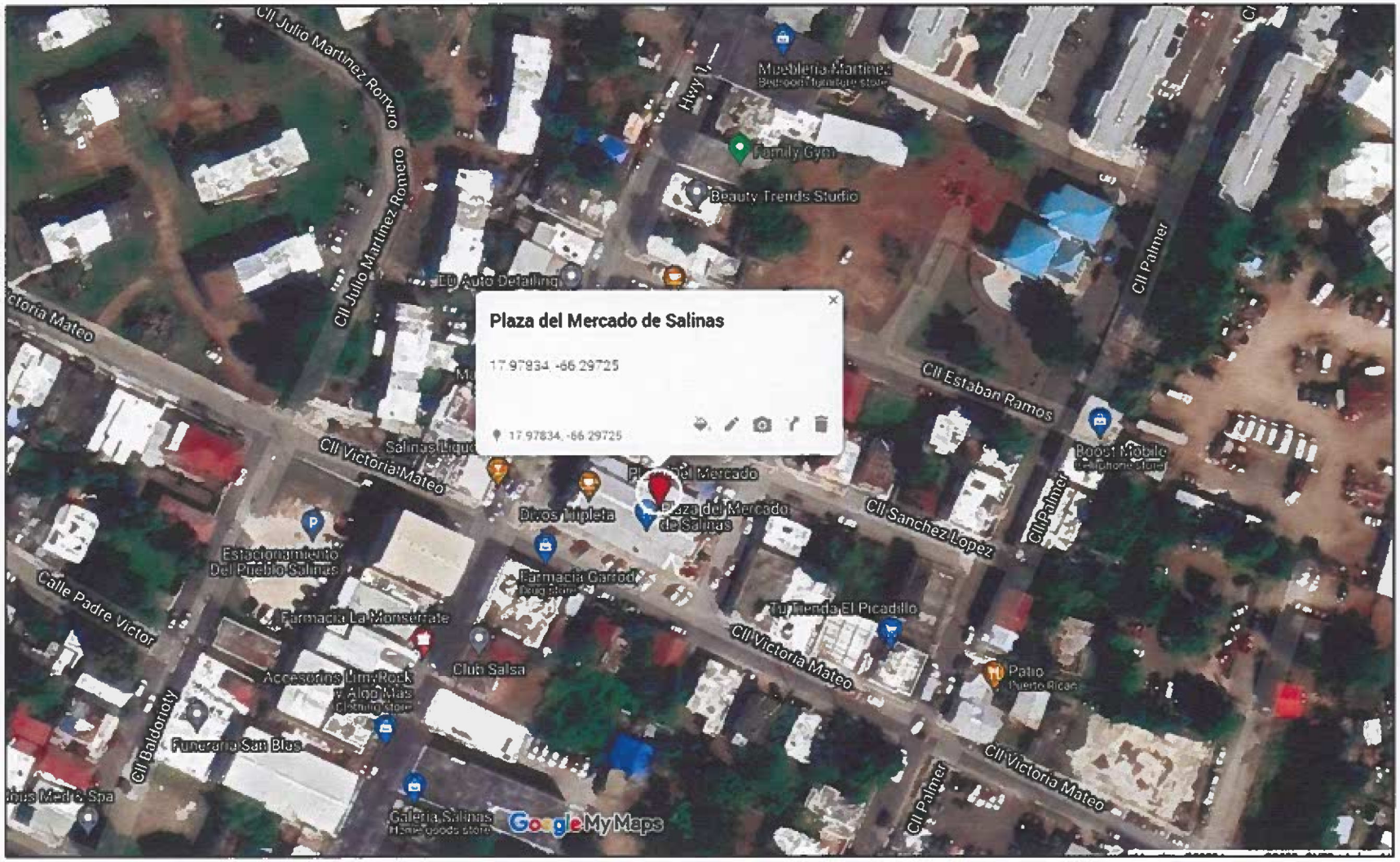
Name: Mr. Fernando L. Rodríguez
Project Manager
Lead Accredited Inspector, LBPI-28621-326

Appendix

Appendix 1: Location and Photolog of Property Conditions During Inspection Survey Efforts

CHES Services Corp.
d/b/a Fernando L. Rodríguez, P.E. & Associates
P.O. Box 193430 | San Juan, P.R. 00919-3430 | Web: www.flraches.com
Tel.: (787) 751-7810 | Fax (787) 751-8988 | Skype: flraches

Location Map



CHES Services Corp. d/b/a Fernando L. Rodríguez, PE & Associates ***Chemical/Environmental Engineering & Industrial Hygiene Services*** **Drawing Not to Scale** Drafted by: Monserrat Gonzalez (04/25/2022)	**Description** Client: Marqués + Marques Arquitectos Facility: Plaza del Mercado Salinas	**Drawing ID** ***File:*** *664-202204 Diagrama_Plaza del Mercado Salinas.vsdx* ***Drawing:*** *Location Map*	**Details** 17.9783. -66.2972 *Calle Muñoz Rivera* *Salinas, PR*

LBP Survey Photo Log

Project Name:	Site Location	Project No.
Plaza del Mercado	Calle Muñoz Rivera, Salinas PR 00751	644-C4462

Photo No.	Date:
1	04/26/2022

Description:

Exterior Side A

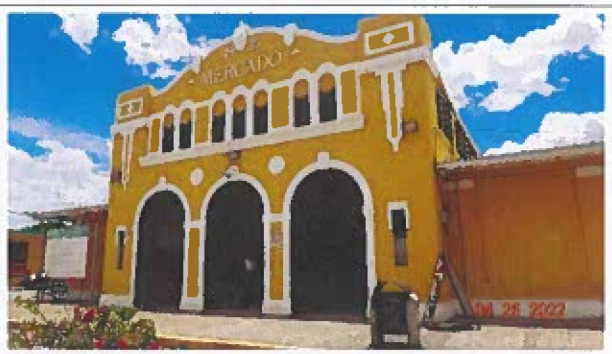


Photo No.	Date:
2	04/26/2022

Description:

Exterior Side B

Photo No.	Date:
3	04/26/2022

Description:

Exterior Side C

Photo No.	Date:
4	04/26/2022

Description:

Exterior: Side D

LBP Survey Photo Log

Project Name:	Site Location	Project No.
Plaza del Mercado	Calle Muñoz Rivera, Salinas PR 00751	644-C4462

Photo No.	Date:
5	04/26/2022

Description:

LBP Identified
Interior

Photo No.	Date:
6	04/26/2022

Description:

LBP Identified
Area 1
Wall C, D

Reading No.:	37, 40
Lead Content:	2.41mg/cm^2 3.1mg/cm^2

Photo No.	Date:
7, 8	04/26/2022

Description:

LBP Identified
Area 2
Wall A, C, D (column)

Reading No.:	50, 52, 57
Lead Content:	3.6 mg/cm^2 2.4 mg/cm^2 1.6 mg/cm^2

LBP Survey Photo Log

Project Name:	Site Location	Project No.
Plaza del Mercado	Calle Muñoz Rivera, Salinas PR 00751	644-C4462

Photo No.	Date:
9, 10	04/26/2022

Description:
LBP Identified
Area 3
Wall A, C

Reading No.:	89, 62
Lead Content:	2.3 mg/cm²
	2.2 mg/cm²

Photo No.	Date:
11, 12	04/26/2022

Description:

LBP Identified
Area 4
Wall A, D, C

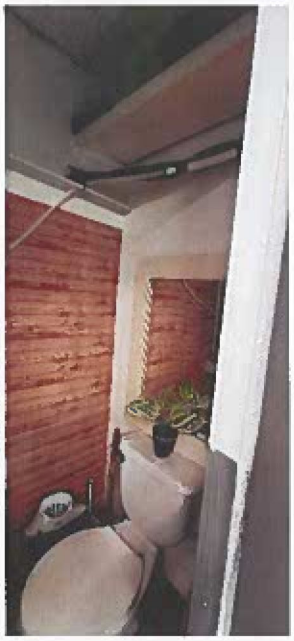
Reading No.:	**68, 70, 74**
Lead Content:	1.5 mg/cm²
	1.8 mg/cm²
	3.9 mg/cm²

Photo No.	Date:
13, 14	04/26/2022

Description:
LBP Identified
Area 5

Wall B
Bathroom:
Wall A, D

Reading No.:	82, 87, 88
Lead Content:	2.5 mg/cm²
	2.1 mg/cm²
	3.4 mg/cm²



LBP Survey Photo Log

Project Name:	Site Location	Project No.
Plaza del Mercado	Calle Muñoz Rivera, Salinas PR 00751	644-C4462

Photo No.	Date:
15, 16, 17	04/26/2022

Description:

LBP Identified
Area 6

	Storage:
Wall A, B, C, D	Wall A, C, D
Reading No.:	**165, 167, 169, 170, 172, 174, 175**
Lead Content:	2.5mg/cm², 2.6mg/cm² 3.8mg/cm², 2.8mg/cm² 2.7mg/cm², 2.3mg/cm² 1.2mg/cm²

Photo No.	Date:
18, 19	04/26/2022

Description:
LBP Identified
Area 7
Wall A, C, D

Reading No.:	94, 97, 98
Lead Content:	4.8 mg/cm² 3.8 mg/cm² 3.4 mg/cm²

Photo No.	Date:
20	04/26/2022

Description:

LBP Identified
Area 8
Wall A, B (column), C, D

Reading No.:	**103, 105, 106, 110**
Lead Content:	3 mg/cm² 2.3 mg/cm² 3.6 mg/cm² 3.3 mg/cm²

LBP Survey Photo Log

Project Name:	Site Location	Project No.
Plaza del Mercado	Calle Muñoz Rivera, Salinas PR 00751	644-C4462

Photo No.	Date:
21	04/26/2022

Description:
LBP Identified
Area 9
Wall A, B, C, D (column), Floor

Reading No.:	112, 115, 116, 120, 122
Lead Content:	2.9 mg/cm², 3.3mg/cm² 2.2 mg/cm², 2.3 mg/cm² 2.3 mg/cm², 1.1mg/cm²

Photo No.	Date:
22, 23	04/26/2022

Description:

LBP Identified
Area 12
Wall A, A (column) C, B

Reading No.:	**126, 127, 128, 135**
Lead Content:	2.1 mg/cm², 1.8mg/cm² 1.8 mg/cm², 1.9 mg/cm²

Photo No.	Date:
24	04/26/2022

Description:
LBP Identified
Area 14
Wall B

Reading No.:	149
Lead Content:	2.1 mg/cm²

LBP Survey Photo Log

Project Name:	Site Location	Project No.
Plaza del Mercado	Calle Muñoz Rivera, Salinas PR 00751	644-C4462

Photo No.	Date:
25	04/26/2022

Description:
LBP Identified
Exterior
Wall A - Concrete

Reading No.:	**194, 195, 199**
Lead Content:	1.5 mg/cm^2 2.2 mg/cm^2 1.5 mg/cm^2

Photo No.	Date:
26	04/26/2022

Description:
LBP Identified
Exterior
Wall B - Concrete

Reading No.:	187, 189
Lead Content:	1.9 mg/cm^2 1.7 mg/cm^2

Photo No.	Date:
27	04/26/2022

Description:
LBP Identified
Exterior
Wall C - Concrete

Reading No.:	**185, 207**
Lead Content:	4 mg/cm^2 1.5 mg/cm^2

Photo No.	Date:
28	04/26/2022

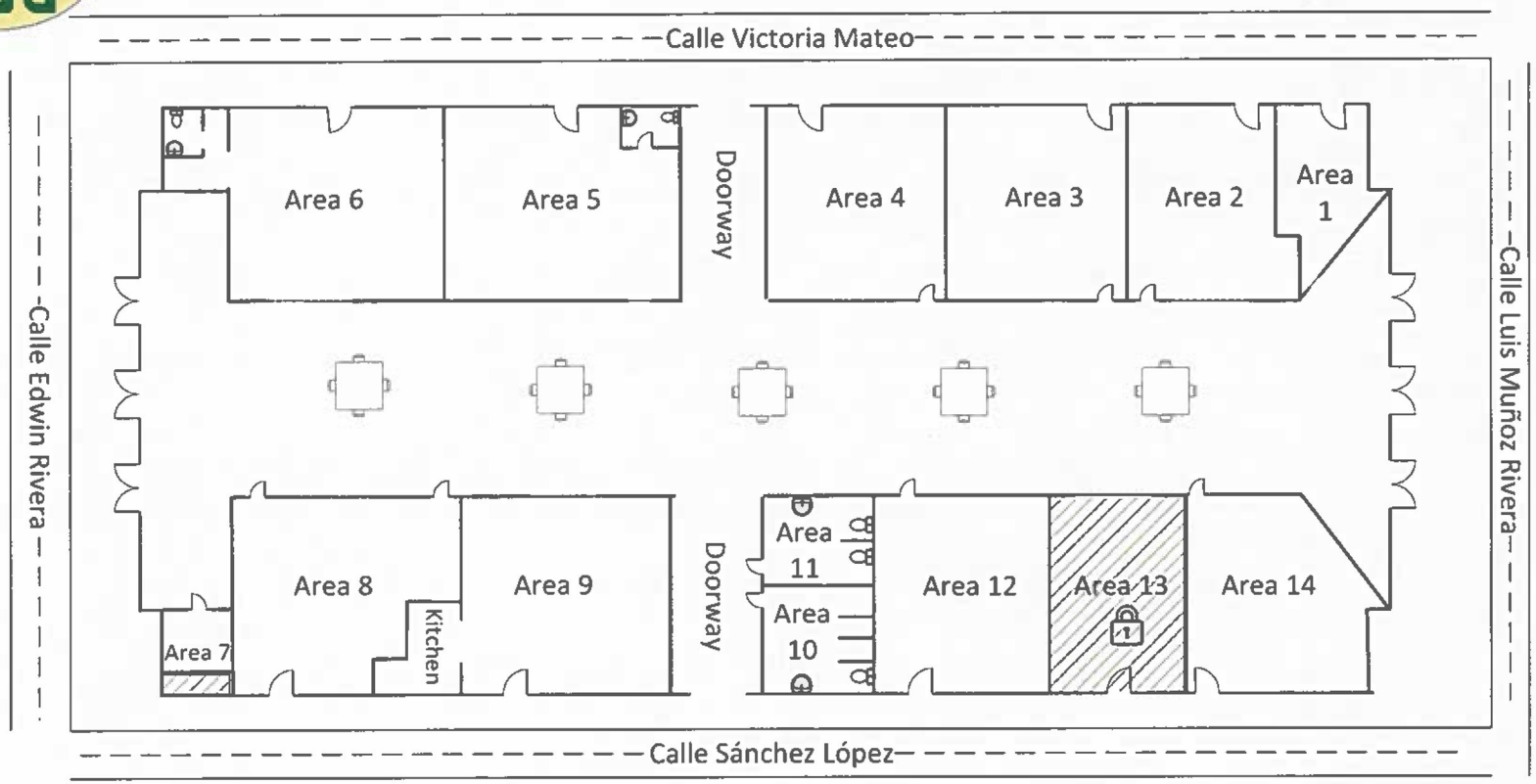
Description:
LBP Identified
Exterior
Wall D - Concrete

Reading No.:	202, 204
Lead Content:	2.1 mg/cm^2 1.7 mg/cm^2

Inspector:	Accreditations:
Carmen M. Figueroa Santiago	LBPI-34021-385

Appendix 2: LBP Survey Schematic Diagram

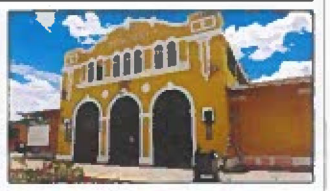
Plaza del Mercado Salinas



Areas ID:

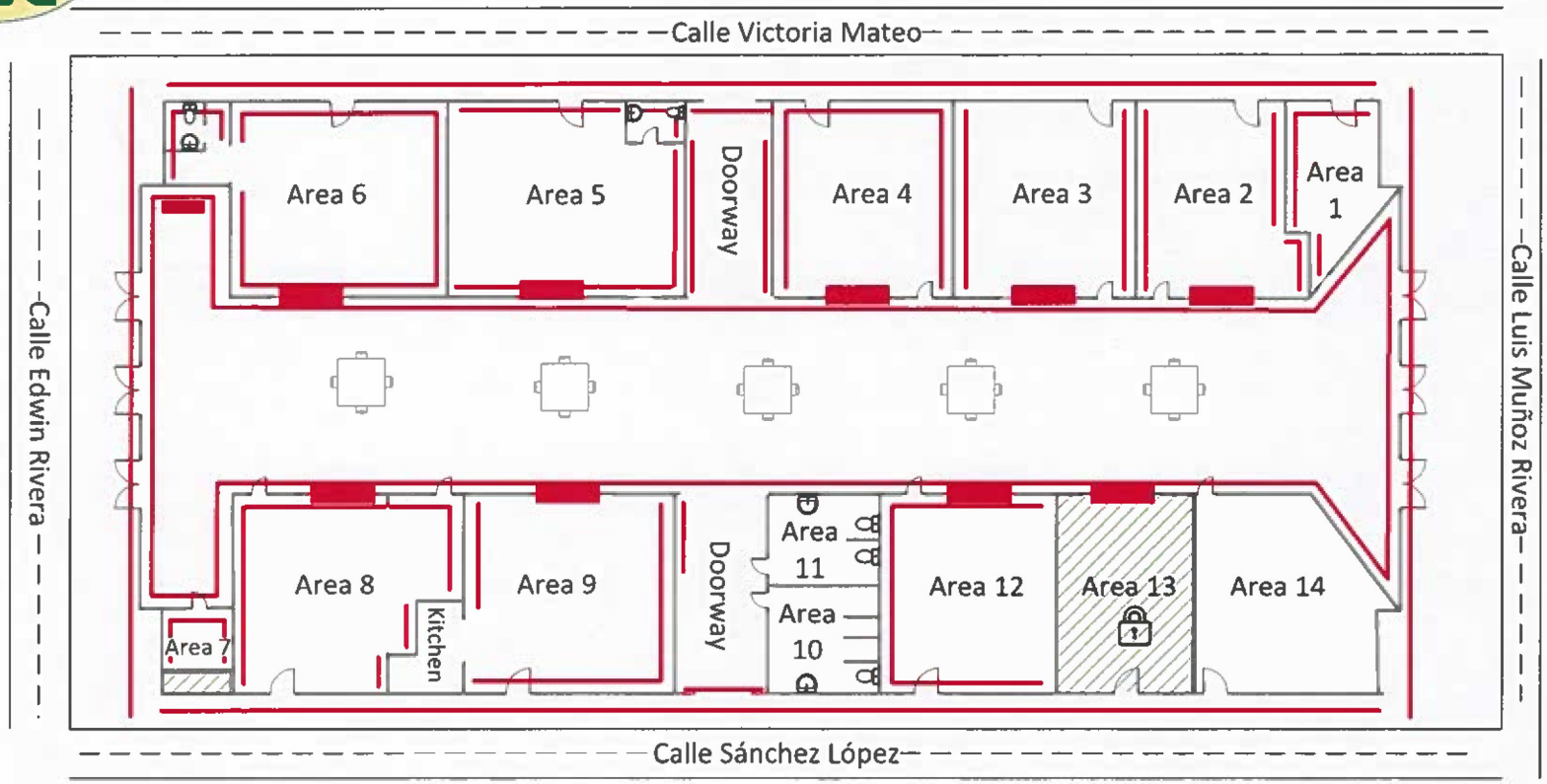
Area 1: Oficina de Turismo y Asuntos Artesanales
Area 2: La Parrilla de Tommy
Area 3: Konfetty
Area 4: Pescadería y Mucho Más
Area 5: Barberia
Area 6: La Casita de los Bizcochos
Area 7: Janitor
Area 8: Gift Nail's Supply
Area 9: Aroma de Café
Area 10: Men's Bathroom
Area 11: Women's Bathroom
Area 12: Blessed Piercing, Jewelry & more...
Area 13: Agencia Hípica
Area 14: La Salita Familiar

Legend
Inaccessible Area



CHES Services Corp. d/b/a Fernando L. Rodriguez, PE & Associates	Description	Details	Location
Drawing Not to Scale Drafted by: Monserrat Gonzalez (04/25/2022)	**Schematic Diagram** Client: Marqués + Marques Arquitectos Facility: Plaza del Mercado Salinas	***File:*** *664-202204 Diagrama_Plaza del Mercado Salinas.vsdx* ***Drawing:*** *Plaza del Mercado Salinas*	17.9783. -66.2972 *Calle Muñoz Rivera esq. Calle Victoria Mateo, Salinas PR 00751*

Plaza del Mercado Salinas_PB



Notes:

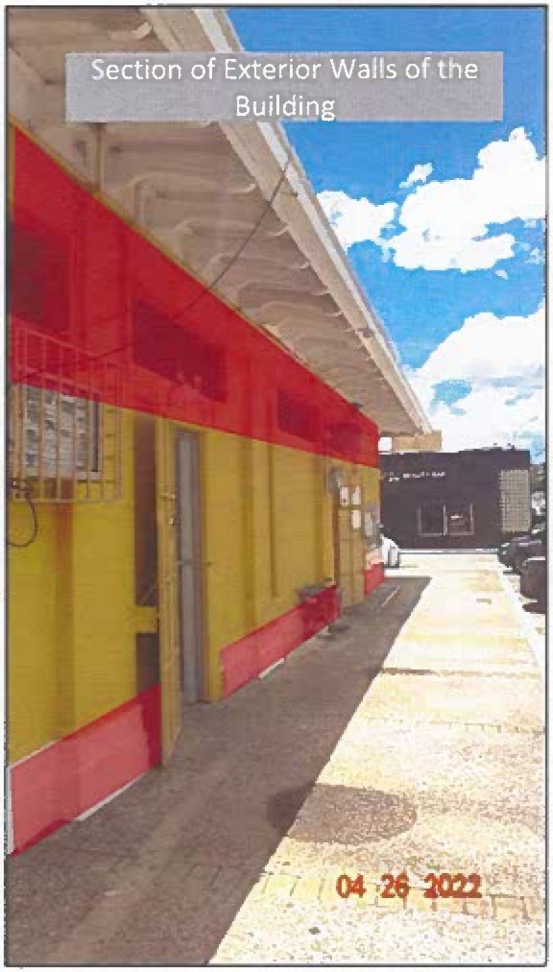
1. Wall tiles at the interior of Plaza del Mercado were identified as LBP.
2. Interior painted concrete walls and other components identified as LBP (highlighted in **red**): Countertops, Column, Arch and walls.
3. Perimeter wall side identification follows single- family housing protocol (Side A is the street side for the St. Luis Muñoz Rivera)

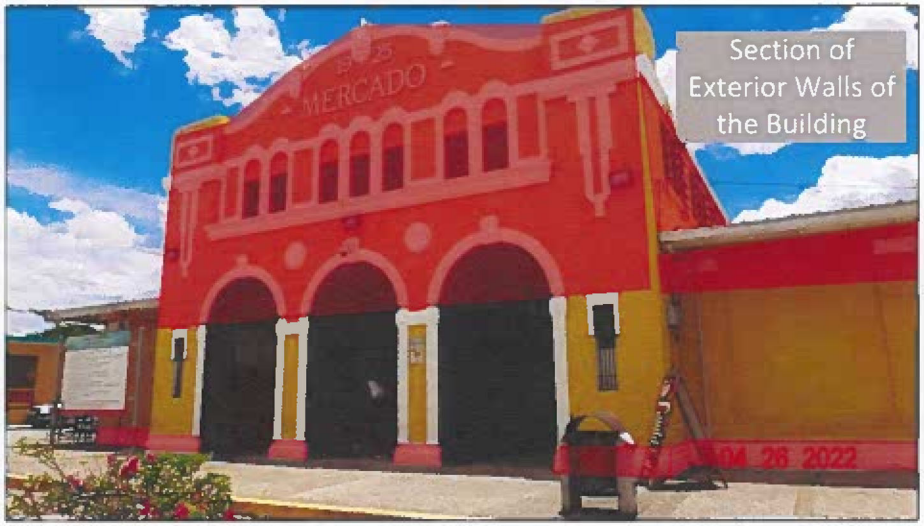
Legend	
	Locations where LBP Surfaces/ Components were identified
	Inaccessible Area

CHES Services Corp. ***d/b/a Fernando L. Rodríguez, PE & Associates*** **Drawing Not to Scale** Drafted by: Monserrat Gonzalez (04/25/2022)	**Description** **Schematic Diagram** Client: Marqués + Marques Arquitectos Facility: Plaza del Mercado Salinas	**Details** ***File: 664-202204 Diagrama_Plaza del Mercado Salinas.vsdx*** ***Drawing: Plaza del Mercado Salinas_PB***	**Location** 17.9783. -66.2972 *Calle Muñoz Rivera esq. Calle Victoria Mateo, Salinas PR 00751*

Plaza del Mercado
Salinas_Exterior Positive PB

Legend	
	Locations where LBP Surfaces/ Components were identified

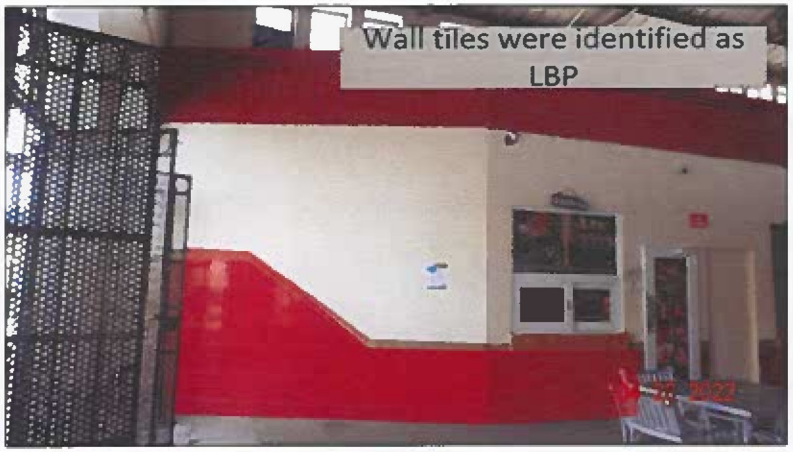


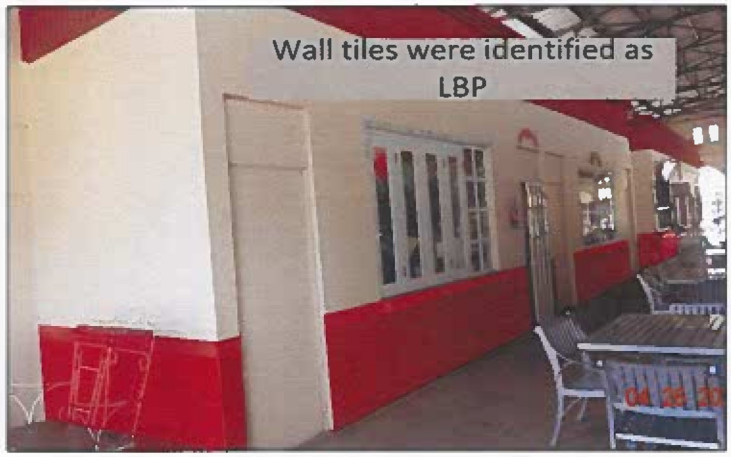


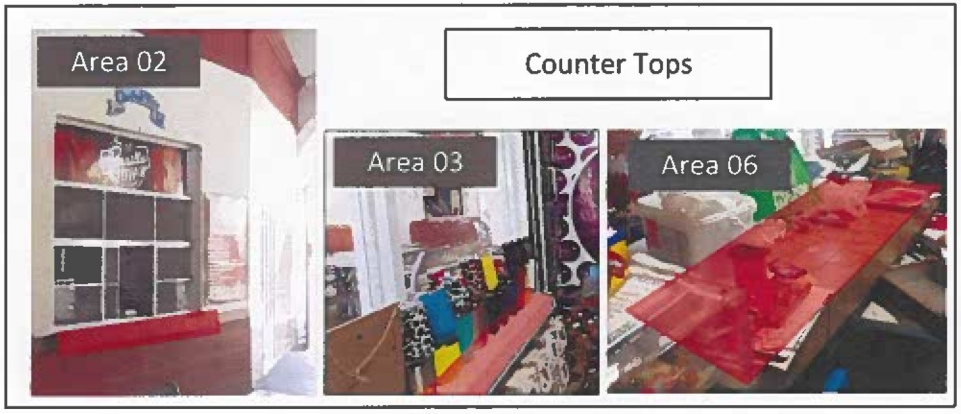
CHES Services Corp. d/b/a Fernando L. Rodríguez, PE & Associates ***Chemical/Environmental Engineering & Industrial Hygiene Services*** **Drawing Not to Scale** Drafted by: Monserrat Gonzalez (04/25/2022)	**Description** Client: Marqués + Marques Arquitectos Facility: Plaza del Mercado Salinas	**Details** ***File:*** *664-202204 Diagrama_Plaza del Mercado Salinas.vsdx* ***Drawing:*** *Plaza del Mercado Salinas_Exterior Positive PB*	**Location** 17.9783. -66.2972 *Calle Muñoz Rivera esq. Calle Victoria Mateo, Salinas PR*

Plaza del Mercado Salinas_Interior Positive PB

Legend	
	Locations where LBP Surfaces/ Components were identified







CHES Services Corp. d/b/a Fernando L. Rodríguez, PE & Associates ***Chemical/Environmental Engineering & Industrial Hygiene Services*** **Drawing Not to Scale** Drafted by: Monserrat Gonzalez (04/25/2022)	**Description** Client: Marqués + Marques Arquitectos Facility: Plaza del Mercado Salinas	**Details** ***File:*** *664-202204 Diagrama_Plaza del Mercado Salinas.vsdx* ***Drawing:*** *Plaza del Mercado Salinas_Interior Positive PB*	**Location** 17.9783. -66.2972 *Calle Muñoz Rivera esq. Calle Victoria Mateo, Salinas PR*

Appendix 3: XRF Readings and Unit's Certifications

CHES Services Corp. d/b/a Fernando L. Rodríguez, P.E. & Associates

Chemical -Environmental Engineering and Industrial Hygiene Consultants
P.O. Box 193430 - San Juan, P.R. 00919-3430 | Tel. (787)751-7810 - Fax (787)751-8988
Information about our new company, a subsidiary, IEMES, PSC: www.iemespsc.com

Project: Plaza del Mercado Salinas

Date: April 26, 2022

XRF Serial No.: XLP19196

Address: Calle Muñor Rivera, Salinas PR

Inspector: Fernando Rodríguez (LBPI-28621-326)
Carmen Figueroa (LBPI-34021-385)

Model No.: XLP300A

Reading	Substrate	Component	Color	Floor	Room	Results	Pb [mg/cm^2]
1		Shutter Calibration				2.79	2.18
2		Initial Calibration Check - Using Standard SRM 2573 (1.04 ± 0.06 mg/cm^2)				Positive	1.1
3		Initial Calibration Check - Using Standard SRM 2573 (1.04 ± 0.06 mg/cm^2)				Positive	1.1
4		Initial Calibration Check - Using Standard SRM 2573 (1.04 ± 0.06 mg/cm^2)				Positive	1
5	Concrete	Wall A - Column	Beige	1	Interior	Negative	0.02
6	Concrete	Wall A - Column Cap Trim	White	1	Interior	Negative	0.04
7	Concrete	Wall A - Column Lower Rail	White	1	Interior	Positive	3.7
8	Concrete	Wall A - Column High Corners Railings	White	1	Interior	Negative	0.5
9	Metal	Wall A - Gate	Brown	1	Interior	Negative	0.11
10	Concrete	Wall B - Arch	White	1	Interior	Null	1.3
11	Concrete	Wall B - Arch	White	1	Interior	Null	1.3
12	Concrete	Wall B - Arch	White	1	Interior	Positive	2.3
13	Concrete	Wall B	Beige	1	Interior	Negative	0
14	Ceramic	Wall B	Terracotta	1	Interior	Positive	1.8
15	Ceramic	Wall B	Brown	1	Interior	Positive	6.1
16	Concrete	Wall B - Doorway (Side B)	White	1	Interior	Null	2.2
17	Concrete	Wall B - Door Way	White	1	Interior	Positive	1.6
18	Metal	Wall B - Gate	Brown	1	Interior	Negative	0.02
19	Concrete	Wall B - Baseboard	Beige	1	Interior	Null	1.1
20	Concrete	Wall B - Baseboard	Beige	1	Interior	Negative	0.8
21	Concrete	Wall B	Beige	1	Interior	Positive	2.3
22	Concrete	Wall C - Column	Beige	1	Interior	Null	1.1
23	Concrete	Wall C - Column	Beige	1	Interior	Null	1.1
24	Concrete	Wall C - Column	Beige	1	Interior	Positive	1.8

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Project: Plaza del Mercado Salinas

Date: April 26, 2022

XRF Serial No.: XLP19196

Address: Calle Muñor Rivera, Salinas PR

Inspector: Fernando Rodríguez (LBPI-28621-326)
Carmen Figueroa (LBPI-34021-385)

Model No.: XLP300A

Reading	Substrate	Component	Color	Floor	Room	Results	Pb [mg/cm^2]
25	Concrete	Wall C - Column	White	1	Interior	Positive	1.6
26	Concrete	Wall C - Column Baseboard	White	1	Interior	Null	1
27	Concrete	Wall C	Beige	1	Interior	Positive	2
28	Concrete	Wall D Doorway exterior (Side D)	Beige	1	Interior	Positive	3.8
29	Concrete	Wall D Doorway exterior (Side D)	Beige	1	Interior	Positive	3.5
30	Concrete	Wall D Doorway exterior (Side D)	Beige	1	Interior	Positive	1.8
31	Concrete	Wall A - Doorway (Side D)	Beige	1	Interior	Negative	0.4
32	Ceramic	Wall D	Brown	1	Interior	Positive	5.1
33	Ceramic	Wall D	Terracotta	1	Interior	Positive	1.9
34	Concrete	Wall A	White	1	Area 1	Null	0
35	Concrete	Wall A	White	1	Area 1	Negative	0
36	Concrete	Wall B	White	1	Area 1	Negative	0
37	Concrete	Wall C	White	1	Area 1	Positive	2.4
38	Concrete	Wall C - Baseboard	White	1	Area 1	Negative	0.11
39	Concrete	Wall D	White	1	Area 1	Null	0.14
40	Concrete	Wall D	White	1	Area 1	Positive	3.1
41	Ceramic	Floor	Brown	1	Area 1	Negative	0.06
42	Concrete	Wall B	White	1	Area 1	Negative	0
43	Concrete	Wall A	Brown	1	Area 1 - Bathroom	Negative	0
44	Concrete	Wall B	Brown	1	Area 1 - Bathroom	Null	0
45	Concrete	Wall B	Brown	1	Area 1 - Bathroom	Negative	0.01
46	Concrete	Wall D	Brown	1	Area 1 - Bathroom	Negative	0
47	Ceramic	Wall A - Toilet	White	1	Area 1 - Bathroom	Negative	0.04
48	Ceramic	Wall B - Sink	White	1	Area 1 - Bathroom	Negative	0.01

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Reading	Substrate	Component	Color	Floor	Room	Results	Pb [mg/cm^2]
49	Concrete	Wall C - Doorway	Brown	1	Area 1	Negative	0.6
50	Concrete	Wall A	Gray	1	Area 2	Positive	3.6
51	Concrete	Wall B	Gray	1	Area 2	Negative	0.06
52	Concrete	Wall C	Gray	1	Area 2	Positive	2.4
53	Metal	Wall B - Door	Beige	1	Area 2	Negative	0
54	Concrete	Wall D	Gray	1	Area 2	Negative	0.1
55	Ceramic	Floor	White	1	Area 2	Negative	0.07
56	Concrete	Wall D - Column	Gray	1	Area 2	Null	0.1
57	Concrete	Wall D - Column	Gray	1	Area 2	Positive	1.6
58	Ceramic	Wall B - Countertop	Brown	1	Area 2	Positive	5.4
59	Concrete	Wall A	White	1	Area 3	Positive	2.3
60	Ceramic	Wall A - Baseboard	White	1	Area 3	Negative	0.7
61	Concrete	Wall B	White	1	Area 3	Negative	0
62	Concrete	Wall C	White	1	Area 3	Positive	2.2
63	Ceramic	Wall C - Baseboard	White	1	Area 3	Negative	0.9
64	Concrete	Wall D	White	1	Area 3	Negative	0
65	Ceramic	Floor	Beige	1	Area 3	Negative	0.08
66	Metal	Wall B - Door	Beige	1	Area 3	Negative	0
67	Ceramic	Wall B - Countertop	Brown	1	Area 3	Positive	5.9
68	Concrete	Wall A	Blue	1	Area 4	Positive	1.5
69	Ceramic	Wall A	White	1	Area 4	Negative	0
70	Concrete	Wall D	Blue	1	Area 4	Positive	1.8
71	Ceramic	Floor	White	1	Area 4	Negative	0.04
72	Concrete	Wall B	White	1	Area 4	Negative	0.23

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Reading	Substrate	Component	Color	Floor	Room	Results	Pb [mg/cm^2]
73	Metal	Wall B - Door	Beige	1	Area 4	Negative	0
74	**Concrete**	**Wall C**	**Blue**	**1**	**Area 4**	**Positive**	**3.9**
75	Concrete	Column	Blue	1	Area 4	Negative	0.4
76	Concrete	Column	Blue	1	Area 4	Negative	0.09
77	Metal	Wall D - Door	Yellow	1	Area 4	Null	0
78	Metal	Wall D - Door	Yellow	1	Area 4	Null	0.01
79	Metal	Wall D - Door	Yellow	1	Area 4	Negative	0
80	Plywood sheet (over concrete)	Wall A	Gray	1	Area 5	Negative	0
81	Concrete	Wall B	Gray	1	Area 5	Null	0
82	**Concrete**	**Wall B**	**Gray**	**1**	**Area 5**	**Positive**	**2.5**
83	Metal	Wall B - Door	Gray	1	Area 5	Negative	0
84	**Ceramic**	**Wall B - Countertop**	**Brown**	**1**	**Area 5**	**Positive**	**6.1**
85	Plywood sheet (over concrete)	Wall C	Gray	1	Area 5	Negative	0
86	Plywood sheet (over concrete)	Wall D	Gray	1	Area 5	Negative	0
87	**Concrete**	**Wall A**	**White**	**1**	**Area 5 - Bathroom**	**Positive**	**2.1**
88	**Concrete**	**Wall D**	**White**	**1**	**Area 5 - Bathroom**	**Positive**	**3.4**
89	Ceramic	Wall D - Sink	White	1	Area 5 - Bathroom	Negative	0.01
90	Ceramic	Wall A - Toilet	White	1	Area 5 - Bathroom	Negative	0.06
91	Wood	Wall B	Gray	1	Area 5 - Bathroom	Negative	0
92	Metal	Wall D - Door	Yellow	1	Area 5 - Bathroom	Negative	0
93	Wood	Wall C - Doorway	Terracotta	1	Interior	Negative	0
94	**Concrete**	**Wall A**	**Gray**	**1**	**Area 7**	**Positive**	**4.8**
95	Concrete	Wall A - Baseboard	Gray	1	Area 7	Null	0.6
96	Concrete	Wall A - Baseboard	Gray	1	Area 7	Negative	0

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Reading	Substrate	Component	Color	Floor	Room	Results	Pb (mg/cm^2)
97	Concrete	Wall C	Gray	1	Area 7	Positive	3.8
98	Concrete	Wall D	Gray	1	Area 7	Positive	3.4
99	Concrete	Wall D - Baseboard	Gray	1	Area 7	Null	0.4
100	Concrete	Wall D - Baseboard	Gray	1	Area 7	Null	0.5
101	Ceramic	Floor	Gray	1	Area 7	Negative	0.9
102	Metal	Wall D - Door	Beige	1	Area 7	Negative	0
103	Concrete	Wall A	White/Gray	1	Area 8	Positive	3
104	Concrete	Wall B	Gray	1	Area 8	Negative	0
105	Concrete	Wall C	Gray	1	Area 8	Positive	2.3
106	Concrete	Wall D	Gray	1	Area 8	Positive	3.6
107	Ceramic	Wall D - Countertop	Brown	1	Area 8	Positive	5.5
108	Concrete	Wall B	Rose	1	Area 8	Negative	0
109	Ceramic	Floor	Gray	1	Area 8	Negative	0
110	Concrete	Wall B - Column	Gray	1	Area 8	Positive	3.3
111	Metal	Wall B - Door	Gray	1	Area 8	Negative	0
112	Concrete	Wall A	Blue	1	Area 9	Positive	2.9
113	Vinyl	Wall A - Countertop	Brown	1	Area 9	Negative	0
114	Concrete	Wall B	Blue	1	Area 9	Null	2.1
115	Concrete	Wall B	Blue	1	Area 9	Positive	3.3
116	Concrete	Wall C	Blue	1	Area 9	Positive	2.2
117	Concrete	Wall D	Blue	1	Area 9	Negative	0
118	Ceramic	Wall D - Countertop	Brown	1	Area 9	Positive	5.1
119	Concrete	Wall D - Column	Gray	1	Area 9	Null	1.8
120	Concrete	Wall D - Column	Gray	1	Area 9	Positive	2.3

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Reading	Substrate	Component	Color	Floor	Room	Results	Pb [mg/cm^2]
121	Ceramic	Floor	Brown	1	Area 9	Null	1.1
122	**Ceramic**	**Floor**	**Brown**	**1**	**Area 9**	**Positive**	**1.1**
123	Ceramic	Floor	Brown	1	Area 9 - Kitchen	Negative	0.01
124	Metal	Wall B - Door	Yellow	1	Area 9 - Kitchen	Negative	0
125	Concrete	Wall A	White	1	Area 12	Null	0.7
126	**Concrete**	**Wall A**	**White**	**1**	**Area 12**	**Positive**	**2.1**
127	**Concrete**	**Wall A - Column**	**White**	**1**	**Area 12**	**Positive**	**1.8**
128	**Concrete**	**Wall C**	**White**	**1**	**Area 12**	**Positive**	**1.8**
129	Metal	Wall D - Door	Brown	1	Area 12	Negative	0
130	**Ceramic**	**Wall D - Countertop**	**Brown**	**1**	**Area 12**	**Positive**	**8.3**
131	Concrete	Wall D	White	1	Area 12	Null	0
132	Concrete	Wall D	White	1	Area 12	Negative	0.01
133	Ceramic	Floor	Beige/Brown	1	Area 12	Negative	0.5
134	Concrete	Wall B	White	1	Area 12	Null	1.2
135	**Concrete**	**Wall B**	**White**	**1**	**Area 12**	**Positive**	**1.9**
136	Metal	Wall B - Door	Yellow	1	Area 12	Negative	0
137	Concrete	Wall A	Red	1	Area 14	Negative	0
138	Concrete	Wall A - Column	Red	1	Area 14	Null	0
139	Concrete	Wall A - Column	Red	1	Area 14	Negative	0
140	Concrete	Wall B	Black	1	Area 14	Negative	0
141	Concrete	Wall C	Black	1	Area 14	Null	0
142	Concrete	Wall C	Black	1	Area 14	Negative	0
143	Concrete	Wall D	Red	1	Area 14	Null	0
144	Concrete	Wall D	Red	1	Area 14	Negative	0

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Reading	Substrate	Component	Color	Floor	Room	Results	Pb [mg/cm^2]
145	Ceramic	Wall D - Countertop	Brown/Beige	1	Area 14	Negative	0.01
146	Metal	Wall D - Door	White	1	Area 14	Negative	0
147	Ceramic	Floor	White	1	Area 14	Negative	0.23
148	Ceramic	Floor	White	1	Area 14	Negative	0.2
149	Concrete	Wall B	Gray	1	Area 14	Positive	2.1
150	Ceramic	Wall A	Beige	1	Area 10 - Men's Bathroom	Negative	0
151	Ceramic	Wall B	Beige	1	Area 10 - Men's Bathroom	Negative	0
152	Ceramic	Wall C	Beige	1	Area 10 - Men's Bathroom	Negative	0.01
153	Ceramic	Wall D	Beige	1	Area 10 - Men's Bathroom	Negative	0
154	Ceramic	Floor	Beige	1	Area 10 - Men's Bathroom	Negative	0.03
155	Ceramic	Wall B - Sink	Beige	1	Area 10 - Men's Bathroom	Negative	0.03
156	Ceramic	Wall B - Toilet	Beige	1	Area 10 - Men's Bathroom	Negative	0.03
157	Ceramic	Wall A	Beige	1	Area 11 - Women's Bathroom	Negative	0
158	Ceramic	Wall B	Beige	1	Area 11 - Women's Bathroom	Negative	0
159	Ceramic	Wall C	Beige	1	Area 11 - Women's Bathroom	Negative	0
160	Ceramic	Wall D	Beige	1	Area 11 - Women's Bathroom	Negative	0
161	Ceramic	Floor	Beige	1	Area 11 - Women's Bathroom	Negative	0.04
162	Ceramic	Wall A - Toilet 1	White	1	Area 11 - Women's Bathroom	Negative	0.01
163	Ceramic	Wall A - Toilet 2	White	1	Area 11 - Women's Bathroom	Negative	0.01
164	Ceramic	Wall D - Sink	White	1	Area 11 - Women's Bathroom	Negative	0.01
165	Concrete	Wall A	Beige	1	Area 6	Positive	2.5
166	Metal	Wall B - Door	Beige	1	Area 6	Negative	0
167	Concrete	Wall B	Beige	1	Area 6	Positive	2.6
168	Ceramic	Wall B - Countertop	Brown	1	Area 6	Positive	6.4

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Reading	Substrate	Component	Color	Floor	Room	Results	Pb [mg/cm^2]
169	Concrete	Wall C	Beige	1	Area 6	Positive	3.8
170	Concrete	Wall D	Turquoise	1	Area 6	Positive	2.8
171	Ceramic	Floor	Gray	1	Area 6	Negative	0
172	Concrete	Wall A	Beige	1	Area 6 -Storage	Positive	2.7
173	Concrete	Wall B	Beige	1	Area 6 -Storage	Negative	0
174	Concrete	Wall C	Beige	1	Area 6 -Storage	Positive	2.3
175	Concrete	Wall D	Beige	1	Area 6 -Storage	Positive	1.2
176	Ceramic	Wall D - Toilet	White	1	Area 6 -Storage	Negative	0.01
177	Ceramic	Wall D - Sink	White	1	Area 6 -Storage	Negative	0
178	Ceramic	Floor	Gray	1	Area 6 -Storage	Negative	0.5
179	Concrete	Wall C	Yellow	1	Exterior	Negative	0
180	Concrete	Wall C - Baseboard	White	1	Exterior	Null	0
181	Concrete	Wall C - Baseboard	White	1	Exterior	Negative	0
182	Concrete	Wall C - Column	Yellow	1	Exterior	Null	0
183	Concrete	Wall C - Column	Yellow	1	Exterior	Negative	0
184	Concrete	Wall C - Column Lower Rail	White	1	Exterior	Negative	0.08
185	Concrete	Side C - Curbside	Traffic Yellow	1	Exterior	Positive	4
186	Concrete	Side C - Parking lines	Traffic Yellow	1	Exterior	Negative	0
187	Concrete	Wall B	Yellow	1	Exterior	Positive	1.9
188	Concrete	Wall B - Baseboard	White	1	Exterior	Null	0.4
189	Concrete	Wall B - Baseboard	White	1	Exterior	Positive	1.7
190	Concrete	Wall B	Yellow	1	Exterior	Negative	0
191	Concrete	Side B - Curbside	Traffic Yellow	1	Exterior	Negative	0
192	Concrete	Side B - Parking lines	Traffic Yellow	1	Exterior	Null	0

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Reading	Substrate	Component	Color	Floor	Room	Results	Pb [mg/cm^2]
193	Concrete	Side B - Parking lines	Traffic Yellow	1	Exterior	Negative	0
194	Concrete	Wall A	Yellow	1	Exterior	Positive	1.5
195	Concrete	Wall A - Baseboard	White	1	Exterior	Positive	2.2
196	Concrete	Wall A - Column	White	1	Exterior	Negative	0.11
197	Concrete	Wall A - Column	Yellow	1	Exterior	Null	1.1
198	Concrete	Wall A - Column	Yellow	1	Exterior	Null	0.6
199	Concrete	Wall A - Column	Yellow	1	Exterior	Positive	1.5
200	Concrete	Side A	Traffic Yellow	1	Exterior	Negative	0
201	Concrete	Wall C	Yellow	1	Exterior	Negative	0.01
202	Concrete	Wall D - Baseboard	White	1	Exterior	Positive	2.1
203	Wood	Wall D	White	1	Exterior	Negative	0
204	Concrete	Wall D	Yellow	1	Exterior	Positive	1.7
205	Concrete	Wall C	White	1	Exterior	Null	1.3
206	Concrete	Wall C	White	1	Exterior	Negative	0.4
207	Concrete	Wall C	Yellow	1	Exterior	Positive	1.5
208	Concrete	Side D	Traffic Yellow	1	Exterior	Negative	0.5
209	Concrete	Wall B - Baseboard	Beige	1	Interior	Negative	0.06
209	Concrete	Wall B - Baseboard	Beige	1	Interior	Negative	0.06
211	Concrete	Wall B - Arch	White	1	Interior	Null	2.1
212	Concrete	Wall B - Arch	White	1	Interior	Positive	2.5
213	Concrete	Wall C - Column	White	1	Interior	Positive	1.5
214	Concrete	Wall A - Doorway	Beige	1	Interior	Positive	1.8
215	Concrete	Wall A - Column Lower Rail	White	1	Interior	Positive	2
216	Ceramic	Wall B	Brown	1	Interior	Positive	6

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Reading	Substrate	Component	Color	Floor	Room	Results	Pb [mg/cm^2]
217	**Ceramic**	**Wall B**	**Brown**	**1**	**Interior**	**Positive**	**6.3**
218	Concrete	Wall D Doorway exterior (Side D)	Beige	1	Interior	Null	0.8
219	**Concrete**	**Wall D Doorway exterior (Side D)**	**Beige**	**1**	**Interior**	**Positive**	**1.5**
220	**Concrete**	**Wall D**	**Beige**	**1**	**Interior**	**Positive**	**3.9**
221	Concrete	Wall C - Column	Beige	1	Interior	Negative	0.15
222	**Concrete**	**Wall C - Column**	**Beige**	**1**	**Interior**	**Positive**	**2.7**
223	**Concrete**	**Wall D**	**Beige**	**1**	**Interior**	**Positive**	**3.1**
224		Final Calibration Check - Using Standard SRM 2573 (1.04 ± 0.06 mg/cm^2)				Positive	1
225		Final Calibration Check - Using Standard SRM 2573 (1.04 ± 0.06 mg/cm^2)				Positive	1
226		Final Calibration Check - Using Standard SRM 2573 (1.04 ± 0.06 mg/cm^2)				Positive	1

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Quality XRF Testing

Project: Plaza del Mercado Salinas
Date: April 26, 2022

Fernando Rodriguez (LBPI-28621-326)
Inspector: Carmen Figueroa (LBPI-34021-385)
XRF Model & Serial No.: XLP300A | XLP19196

Original Reading	Re-Test Reading #	Testing Combination House: Plaza del Mercado Salinas				Original Pb [mg/cm²]	Retest Pb [mg/cm²]	Avg Pb [mg/cm²]	$\overline{X}^2$
		Substrate	Component	Color	Room				
12	212	Concrete	Wall B	White	Interior	2.5	2.3	2.4	5.76
20	209	Concrete	Wall B	Beige	Interior	0.06	0.8	0.43	0.1849
25	213	Concrete	Wall C	White	Interior	1.5	1.6	1.55	2.4025
31	214	Concrete	Wall A	Beige	Interior	1.8	0.4	1.1	1.21
7	215	Concrete	Wall B	White	Interior	2	3.7	2.85	8.1225
15	217	Ceramic	Wall C	Brown	Interior	6.3	6.1	6.2	38.44
24	222	Concrete	Wall C Column	Beige	Interior	2.7	1.8	2.25	5.0625
30	219	Concrete	Wall C - Column	Beige	Interior	1.5	1.8	1.65	2.7225
29	220	Concrete	Wall D	Beige	Interior	1.7	3.5	2.6	6.76
28	223	Concrete	Wall D	Beige	Interior	3.1	3	3.05	9.3025

Total: 79.9674

Retest Tolerance Limit Calculations (TL):
Calculate:

$C = \sum \sigma^2$
C= 79.9674

$Original\ Pb_{avg}$ = 2.316

$Retest\ Pb_{avg}$ = 2.5

Averages Absolute difference = 0.184

$D = C \times 0.0072$
D= 0.57576528

$F = \sqrt{E}$
F= 0.779593022

$E = D + 0.032$
E= 0.60776528

$TL = F \times 1.645$
TL= 1.282430521

If Absolute differenece < Retest Tolerance Limit, the inspection has passed the retest.

Appendix 4: Inspectors' Qualifications

CHES Services Corp.

d/b/a Fernando L. Rodríguez, P.E. & Associates

PO Box 193430, San Juan, PR 00919-3430 | Tel.: (787) 751-7810 | Web: www.flraches.com

LBP QUALIFICATIONS

GOBIERNO DE PUERTO RICO

Departamento de Recursos Naturales y Ambientales

Este certificado es otorgado a:

Fernando L. Rodriguez, PE & Associates

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-23921-036

Fecha de emisión: Septiembre 26, 2021

Fecha de Expiración: Septiembre 25, 2022

DRNA

José Roque Juliá
Jefe
División Desperdicios Tóxicos

ThermoFisher
SCIENTIFIC

CERTIFICATE

This Certifies that

Fernando Rodriguez

Has successfully completed

Safety Training for
~ Sealed Source XRF - Radiation Safety~

Supervisor Signature

8/19/2021
COMPLETION DATE

Jean Geslin
Jean Geslin, RSO
Thermo Fisher Scientific

ThermoFisher
SCIENTIFIC

CERTIFICATE

This Certifies that

Stephanie Hall

Has successfully completed

Safety Training for
~ Sealed Source XRF - Radiation Safety~

Supervisor Signature

9/10/2021
COMPLETION DATE

Jean Geslin
Jean Geslin, RSO
Thermo Fisher Scientific

Appendix 5: LBP No Presence Certifications (if applicable)

SERVICES

PREQB Accredited Asbestos Trainings
Environmental, Health, and Safety Trainings
Occupational Health and Safety Evaluations
General Environmental/Compliance Consulting
Waste Management Consulting
Indoor Air Quality Consulting
Water, Storm Water, and Wastewater Compliance

SURVEY REPORT FOR ASBESTOS CONTAINING MATERIALS

Plaza del Mercado Salinas

Calle Muñoz Rivera, Salinas PR 00751

May 2022

Prepared for:

Mr. Bernardo Marqués, AIA Marques + Marques Arquitectos
701 Ave. Ponce de León 201 San Juan P.R. 00907

Prepared by:

CHES Services, Corporation

CHES Project No.: C4462

CHES Services Corp.
d/b/a Fernando L. Rodríguez, P.E. & Associates
P.O. Box 193430 | San Juan, P.R. 00919-3430 | Web: www.flraches.com
Tel.: (787) 751-7810 | Fax (787) 751-8988 | Skype: flraches
Learn about our new company, a subsidiary of CHES/FLRA: *IEMES, PSC (www.iemespsc.com)*

Table of Contents

Appendices

Tables

Executive Summary

Our office, CHES Services, Corporation (CHES) d/b/a Fernando L. Rodríguez, P. E. & Associates (FLRA), was contracted by Mr. Bernardo Marqués, AIA Marques + Marques Arquitectos, to conduct an Environmental Site Assessment to determine if Asbestos Containing Materials (ACM) are present in the Plaza del Mercado Salinas building located at Calle Muñoz Rivera, Salinas PR 00751. All work was conducted by certified personnel and sampling was conducted in accordance with established sampling protocols as well.

This survey was performed to comply with the necessary regulatory requirements prior any demolition and/or remodeling activity is conducted in the subject building structure. The survey work described in this report was conducted for Mr. Bernardo Marqués, AIA Marques + Marques Arquitectos, in accordance with the CHES proposal number C4462 dated February 1, 2022. This work was performed in conformance with the scope and limitations of the applicable regulations.

This report describes the survey methodology; survey activities, laboratory analytical results and recommendations based on the assessment findings for your perusal. The survey efforts included inspection of the site, revisions of available relevant documentations, interviews with persons who knows the site, and sampling activities conducted by accredited inspectors. The survey revealed the following:

CHES performed a survey to identify ACM at Plaza del Mercado Salinas and sampling was conducted on April 26, 2022. From the analytical report **none of the samples were identified to contain more than 1% asbestos fibers**.

The survey confirms that **no asbestos contaminants** was identified in the subject property during the inspection. If any suspected ACM is identified within the subject building that was not included in this survey, it should be sample by an accredited inspector to determine if it does contain asbestos fibers. During the inspection efforts at the subject property, a total of eight (8) representative samples were collected and set to the contracted laboratory.

During the inspection efforts at the subject property, a total of eight (8) representative samples were collected and set to the contracted laboratory. Table 1 provides a summary of the analytical results along with the identification, location and description of each suspected ACM sampled.

Table 1: Summary of Asbestos Content

Sample ID	Homogeneous area, if applicable	Material	% Asbestos (Asbestos Volume / Total Material Volume)[1]
01	Room 04 - Pescadería y Mucho Más	Vinyl Baseboard	ND
02	Room 08 - Gift Nail's Supply	Decorative Ceiling Tile	ND
03	Room 05 - Barberia	Vinyl Floor Tile	ND
04	Room 05 - Barberia	Vinyl Floor Tile	ND
05	Room 05 - Barberia	Vinyl Floor Tile	ND
06	Room 05 - Barberia	Decorative Ceiling Tile	ND
07	Room 10 - Men's Bathroom	Decorative Ceiling Tile	ND
08	Room 09 - Aroma de Café	Vinyl Floor Tile	ND

1. Introduction

1.1. Scope of Work

CHES Services, Corporation (CHES) was contracted by Mr. Bernardo Marqués, AIA Marques + Marques Arquitectos, to conduct an environmental site assessment at the Plaza del Mercado Salinas located in Calle Muñoz Rivera, Salinas PR 00751. The purpose of the survey was to determine if ACM are present in the subject structure.

1.2. Special Terms and Conditions

The site assessment work described in this report was conducted for Plaza del Mercado Salinas on April 26, 2022 in accordance with CHES proposal number C4462 dated February 1, 2022. This report has been prepared for the exclusive use of Mr. Bernardo Marqués, AIA Marques + Marques Arquitectos.

1.3. Limitations

The survey was conducted in accordance with federal and state regulatory requirements, as well as standard industry practices. The conclusions of the report are professional opinions based solely upon visual site observations, and interpretations of analyses as described in its content. The opinions presented in this survey report apply to the site conditions existing at the time of the investigations, and interpretations of current regulations.

2. Building Description

2.1. Location and Site Description

The subject property is located in Calle Muñoz Rivera, Salinas PR 00751. As per available information, the structure subject to this survey is a one-story concrete building constructed in 1925 with neoclassical ornamentation on the main façade. As indicated by the property owner the building has been in operation since its construction and few alterations conducted since then.

The Plaza del Mercado houses the commercial and facilities spaces described below. During the inspection efforts, all areas were found occupied however, few were inaccessible the occupants were not available. Refer to Appendix 1 for aerial location map of the site and a photographic summary of site conditions during the efforts. For this report, the surveyed areas are referred to as Plaza del Mercado Salinas. Below are listed the surveyed areas.

Surveyed Areas:

- Area 1: Oficina de Turismo y Asuntos Artesanales
- Area 2: La Parrilla de Tommy
- Area 3: Konfetty
- Area 4: Pescadería y Mucho Más
- Area 5: Barbería
- Area 6: La Casita de los Bizcochos
- Area 7: Janitor's
- Area 8: Gift Nail's Supply
- Area 9: Aroma de Café
- Area 10: Men's Bathroom
- Area 11: Women's Bathroom
- Area 12: Blessed Piercing, Jewelry & more...
- Area 13: Agencia Hípica
- Area 14: La Salita Familiar

3. Asbestos Containing Material Survey

3.1. Survey Personnel and Laboratory

The ACM survey activities were conducted on April 26, 2022, by accredited personnel. The accredited inspector(s) made reasonable effort to inspect all accessible areas of the subject property building for ACM. Minor disturbance of materials was required during the survey to adequately collect representative samples of suspected materials. The inspector(s) took care to ensure to implement best work practices during the sample collection to minimize the release of any potential asbestos fibers.

The following accredited ACM inspectors conducted and/or assisted in during the inspection:

- **Mr. Fernando L. Rodríguez** — **Project Manager, CHES**
  Asbestos Accredited Inspector: ASB-0921-0490-SI
- **Miss Carmen Figueroa** — **Field Accredited Inspector, CHES**
  Asbestos Accredited Inspector: ASB-0921-0490-SI
- **Miss Monserrat González** — **Field Accredited Inspector, CHES**
  Asbestos Accredited Inspector: ASB-0921-0489-SI
- **Miss Stephanie Hall** — **Chemical Engineer, CHES**
  Asbestos Competent Person

Random sampling protocol was followed to collect representative building materials of suspected ACM within the subject areas. All samples collected were sent to the contracted laboratory, EMLab P&K, located in Ft. Lauderdale, FL, using standard chain-of-custody procedures. The laboratory performed the Polarized Light Microscopy (PLM) analyses to associated layers for asbestos content in accordance with the recommended EPA Method for Determination of Asbestos in Bulk Samples (EPA-600/R-93/116).

3.2. ACM Survey Methodology

The criteria established by the federal and local regulations to define an ACM, is to contain more than 1% by volume in the sampled material. In addition, the material is evaluated on its ability to easily release asbestos fibers, described by the regulation as "friability". The EPA Asbestos NESHAP standard defines friable ACM as any material containing more than one (1) percent asbestos that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. In contrast, non-friable ACM is any material that contains more than one (1) percent asbestos and cannot be crumbled, pulverized, or reduced to powder by hand pressure.

A visual assessment of the suspected building materials located throughout the subject spaces was completed prior to the collection of samples. During the visual assessment, the suspected ACM were categorized by homogeneous areas (appear uniform, have a consistent texture, and appear to have been installed at the same time). Representative samples of identified suspected ACM, were randomly collected, and sent to the laboratory to perform the corresponding analyses for asbestos content in accordance with the recommended EPA Method for Determination of Asbestos in Bulk Samples (EPA-600/R-93/116).

A sampling survey was performed in those areas where suspected ACM were identified. Although reasonable effort was made to survey accessible suspect materials; additional suspect but un-sampled material could be in or behind hidden wall panels, in voids or in other concealed areas, for reference purposes. Refer to Appendix 2 for a schematic layout and identification of the interior spaces subject to this survey.

3.2.1. ACM Survey Limitations or Exceptions

For this survey inaccessible areas are building hidden zones, systems, structural components, or surfaces which could not be observed because it was unsafe or impractical to demolish, disassemble, or remove systems or covering. Areas that were inaccessible during the survey efforts are listed in Table 2.

Table 2: Inaccessible Areas and/or Materials

Location	Explanation
Area 07	The back room of Area 7 was closed. Keys to access the room were not available.
Area 13	The tenant was not onsite during the inspection efforts to grant access.

Additionally, and unless specifically noted, the survey did not cover:

- Concealed floor coverings beneath superficial floor covering in some areas.
- Hidden and/or inaccessible locations such as in wall chases, hidden storage areas and similar.

3.3. ACM Survey Findings

3.3.1. Analytical Results

During the inspection efforts at the subject property, a total of eight (8) representative samples were collected and set to the contracted laboratory. Table 3 provides a summary of the analytical results along with the identification, location and description of each suspected ACM sampled.

Table 3: Summary of Asbestos Content

Sample ID	Homogeneous area, if applicable	Material	% Asbestos (Asbestos Volume / Total Material Volume)[2]
01	Room 04 - Pescadería y Mucho Más	Vinyl Baseboard	ND
02	Room 08 - Gift Nail's Supply	Decorative Ceiling Tile	ND
03	Room 05 - Barberia	Vinyl Floor Tile	ND
04	Room 05 - Barberia	Vinyl Floor Tile	ND
05	Room 05 - Barberia	Vinyl Floor Tile	ND
06	Room 05 - Barberia	Decorative Ceiling Tile	ND
07	Room 10 - Men's Bathroom	Decorative Ceiling Tile	ND
08	Room 09 - Aroma de Café	Vinyl Floor Tile	ND

Copy of the analytical report presented by the contracted laboratory and its accreditations are included in the Appendix 3.

[2] Unless specified, asbestos fibers identified are Chrysotile

4. Conclusions

The survey confirms that **ACM was not found** within the subject property. CHES concludes that proper management and/or removal of these materials from their surfaces must be completed prior any further remodeling/demolition activity occurs. Proper safety and care efforts must be exercised during the activities to protect designated contracted workers. Furthermore, if any asbestos-containing material is identified within the subject area that was not included in this survey, it should be sampled by an accredited inspector to determine if it does contain any of the tested contaminants.

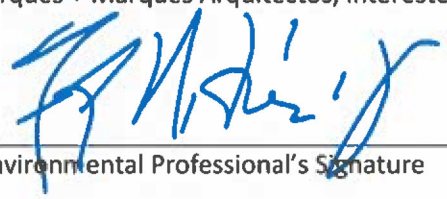
Best Management Practices (BMPs) must be followed whenever handling and disposing of any construction debris, or non-hazardous solid waste from the subject facility areas during remodeling phase, as well as handling discarded materials and equipment that can be stored or exposed to or impacted by rainwater in different areas through the subject property during this activity.

The results, findings, and conclusions expressed in this report are based on conditions that were noted on Table 3 during the assessment of this project. Any conditions or materials that could not be visually identified (i.e., inaccessible areas) or were out of the scope of work at hand, were not inspected and may differ from those conditions or materials noted. It was not within the scope of the inspection to remove surface installed materials to investigate portions of the structure or materials that may lay beneath or above the existing building surfaces. Random selection of sample locations and frequency of sampling or readings was based on inspectors' observations and the assumption that like materials in the same area are homogeneous.

The report is designed to assist the building owner, architect, construction manager, general contractors, and potential asbestos abatement contractors in locating ACM. Under no circumstances is the report to be used as a solely bidding document or as a project specification document given that abatement bidders are responsible for visiting and define the scope of the project.

5. Signature of Environmental Assessment

CHES Services, Corporation, d/b/a Fernando L. Rodríguez, PE & Associates have prepared this Survey Report for Asbestos Containing Materials as part of the field inspection efforts to determine the presence of Asbestos Containing Materials at the Plaza del Mercado Salinas located in Calle Muñoz Rivera, Salinas PR 00751. This study was performed as per the request of Mr. Bernardo Marqués, representing AIA Marques + Marques Arquitectos, interested entity in receiving the results of this site assessment.



Environmental Professional's Signature

05/11/2022

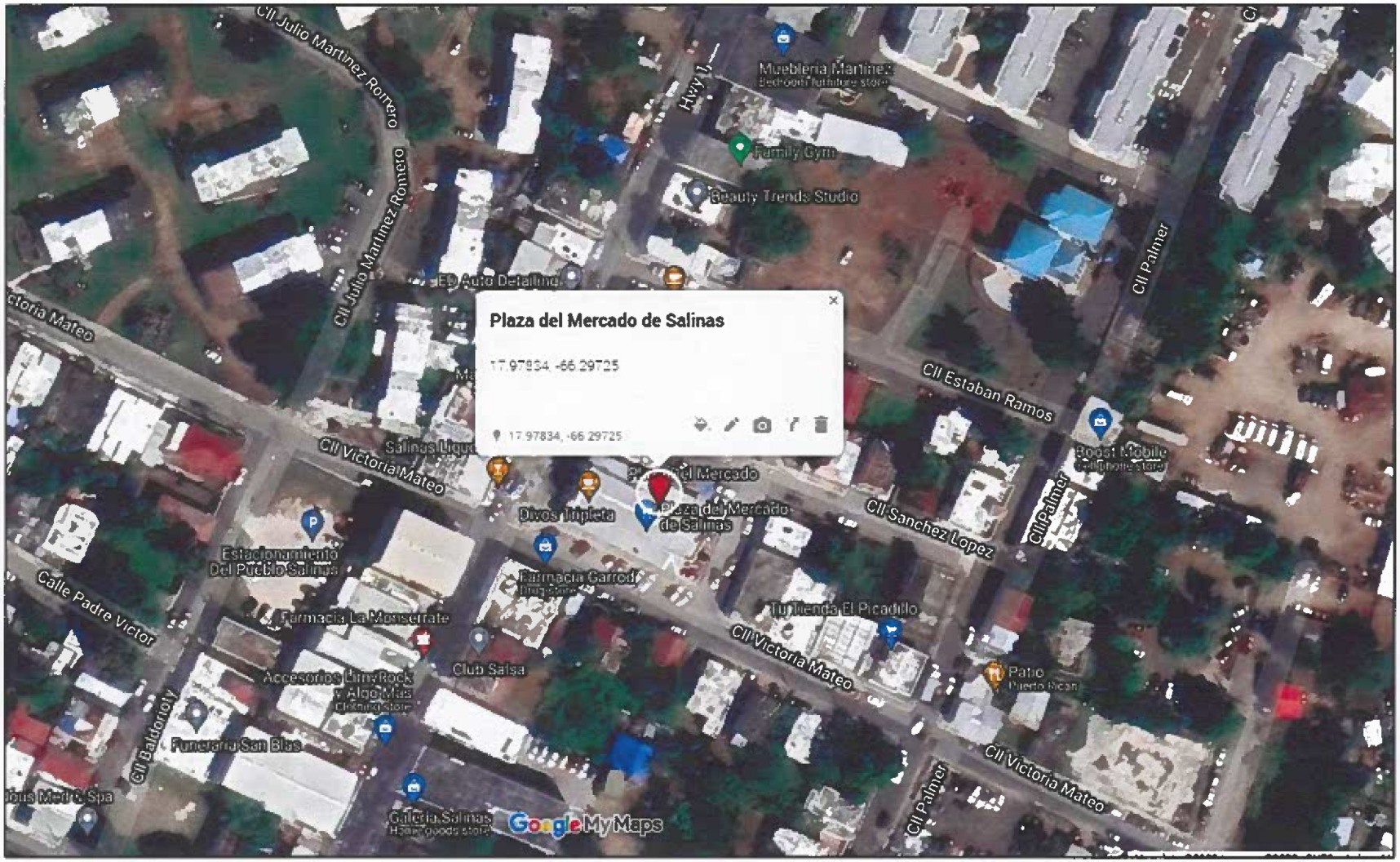
Date

Name: Mr. Fernando L. Rodríguez
Project Manager
Asbestos Accredited Inspector, ASB-0921-0490-SI

Appendix

Appendix 1: Location and Photolog of Property Conditions During Inspection Survey Efforts

Location Map



CHES Services Corp. d/b/a Fernando L. Rodriguez, PE & Associates ***Chemical/Environmental Engineering & Industrial Hygiene Services*** **Drawing Not to Scale** Drafted by: Monserrat Gonzalez (04/25/2022)	**Description** Client: Marqués + Marques Arquitectos Facility: Plaza del Mercado Salinas	**Drawing ID** ***File:*** *664-202204 Diagrama_ASB_Plaza del Mercado Salinas.vsdx* ***Drawing:*** *Location Map*	**Details** 17°58'41.9"N 66°17'49.9"W *Calle Muñoz Rivera esq. Calle Victoria Mateo, Salinas PR*

ASB Survey Photo Log

Project Name:	Site Location	Project No.
Plaza del Mercado de Salinas	Calle Luis Muñoz Rivera, Salinas PR 00751	644-C4462

Photo No.	Date:	
1	04/26/2022	
Description: Exterior Side A		

Photo No.	Date:	
2	04/26/2022	
Description: Exterior Side B		

Photo No.	Date:	
3	04/26/2022	
Description: Exterior Side C		

Photo No.	Date:	
4	04/26/2022	
Description: Exterior: Side D		

ASB Survey Photo Log

Project Name:	Site Location	Project No.
Plaza del Mercado de Salinas	Calle Luis Muñoz Rivera, Salinas PR 00751	644-C4462

Photo No.	Date:
5	04/26/2022

Description:
Interior

Photo No.	Date:
6	04/26/2022

Description:
Suspected ACM Sampled
Area 04

Material:	Vinyl Baseboard
Sample ID:	01

Results: Asbestos Not Detected

Photo No.	Date:
7	04/26/2022

Description:
Suspected ACM Sampled
Area 08

Material:	Decorative Ceiling Tile
Sample ID:	02

Results: Asbestos Not Detected

Photo No.	Date:
8	04/26/2022

Description:
Suspected ACM Sampled
Area 05

Material:	Vinyl Floor Tile
Sample ID:	03, 04

Results: Asbestos Not Detected

ASB Survey Photo Log

Project Name:	Site Location	Project No.
Plaza del Mercado de Salinas	Calle Luis Muñoz Rivera, Salinas PR 00751	644-C4462

Photo No.	Date:	
9	04/26/2022	
Description: **Suspected ACM Sampled** Area 05		
Material:	Vinyl Floor Tile	
Sample ID:	05	
Results: Asbestos Not Detected		

Photo No.	Date:	
10	04/26/2022	
Description: **Suspected ACM Sampled** Area 05		
Material:	**Decorative Ceiling Tile**	
Sample ID:	06	
Results: Asbestos Not Detected		

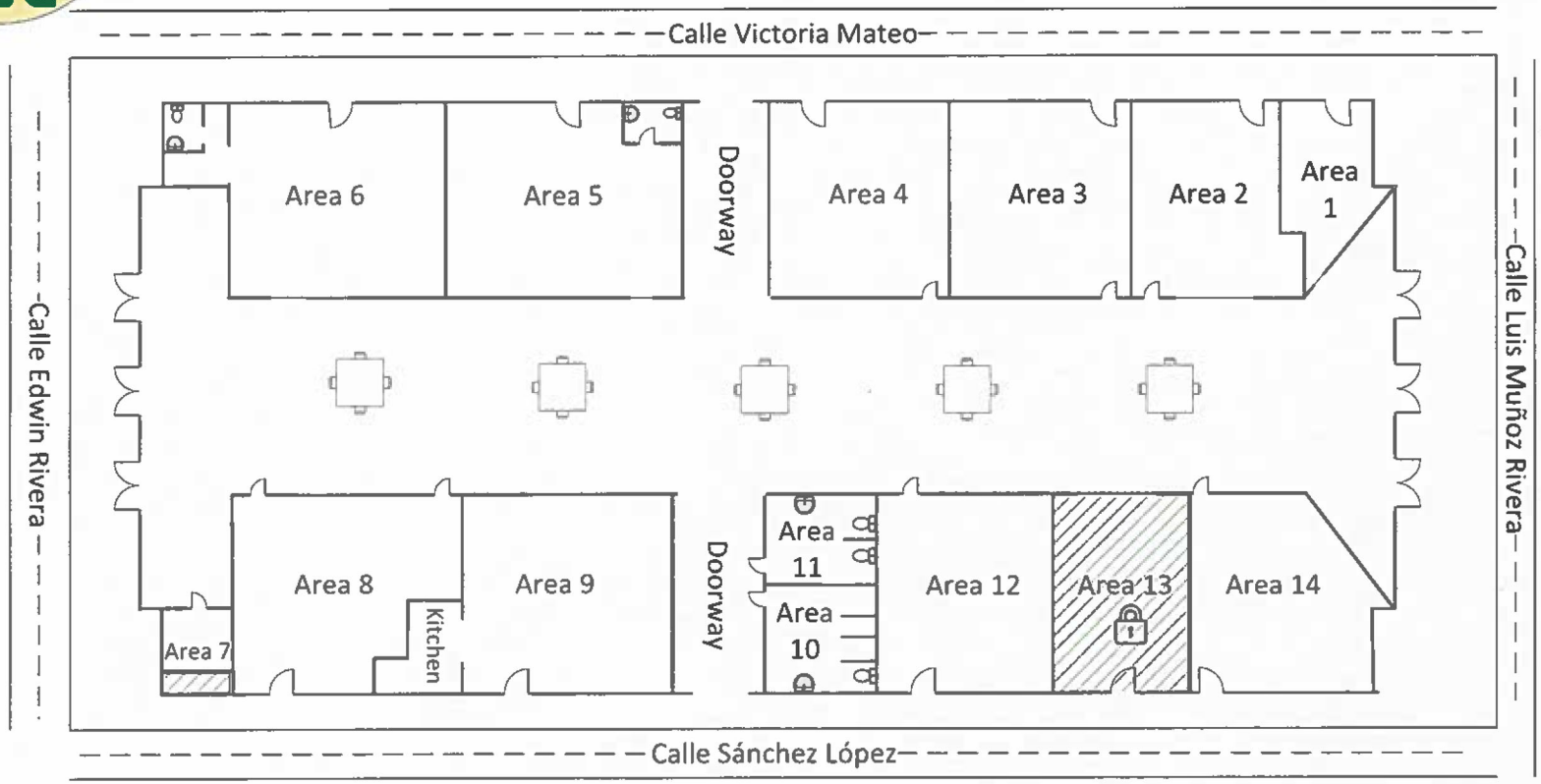
Photo No.	Date:	
11	04/26/2022	
Description: **Suspected ACM Sampled** Area 10		
Material:	**Decorative Ceiling Tile**	
Sample ID:	07	
Results: Asbestos Not Detected		

Photo No.	Date:	
12	04/26/2022	
Description: **Suspected ACM Sampled** Area 09		
Material	**Vinyl Floor Tile**	
Sample ID:	**08**	
Results: Asbestos Not Detected		

Inspector:	Fernando L. Rodríguez	Accreditations:
		ASB-0322-0087-SI

Appendix 2: Asbestos Survey Schematic Diagram

Plaza del Mercado Salinas



Areas ID:

Area 1: Oficina de Turismo y Asuntos Artesanales
Area 2: La Parrilla de Tommy
Area 3: Konfetty
Area 4: Pescadería y Mucho Más
Area 5: Barberia
Area 6: La Casita de los Bizcochos
Area 7: Janitor
Area 8: Gift Nail's Supply
Area 9: Aroma de Café
Area 10: Men's Bathroom
Area 11: Women's Bathroom
Area 12: Blessed Piercing, Jewelry & more...
Area 13: Agencia Hípica
Area 14: La Salita Familiar

Legend
Inaccessible Area

CHES Services Corp.
d/b/a Fernando L. Rodríguez, PE & Associates

Drawing Not to Scale
Drafted by: Monserrat Gonzalez (04/25/2022)

Description

Schematic Diagram
Client: Marqués + Marques Arquitectos
Facility: Plaza del Mercado Salinas

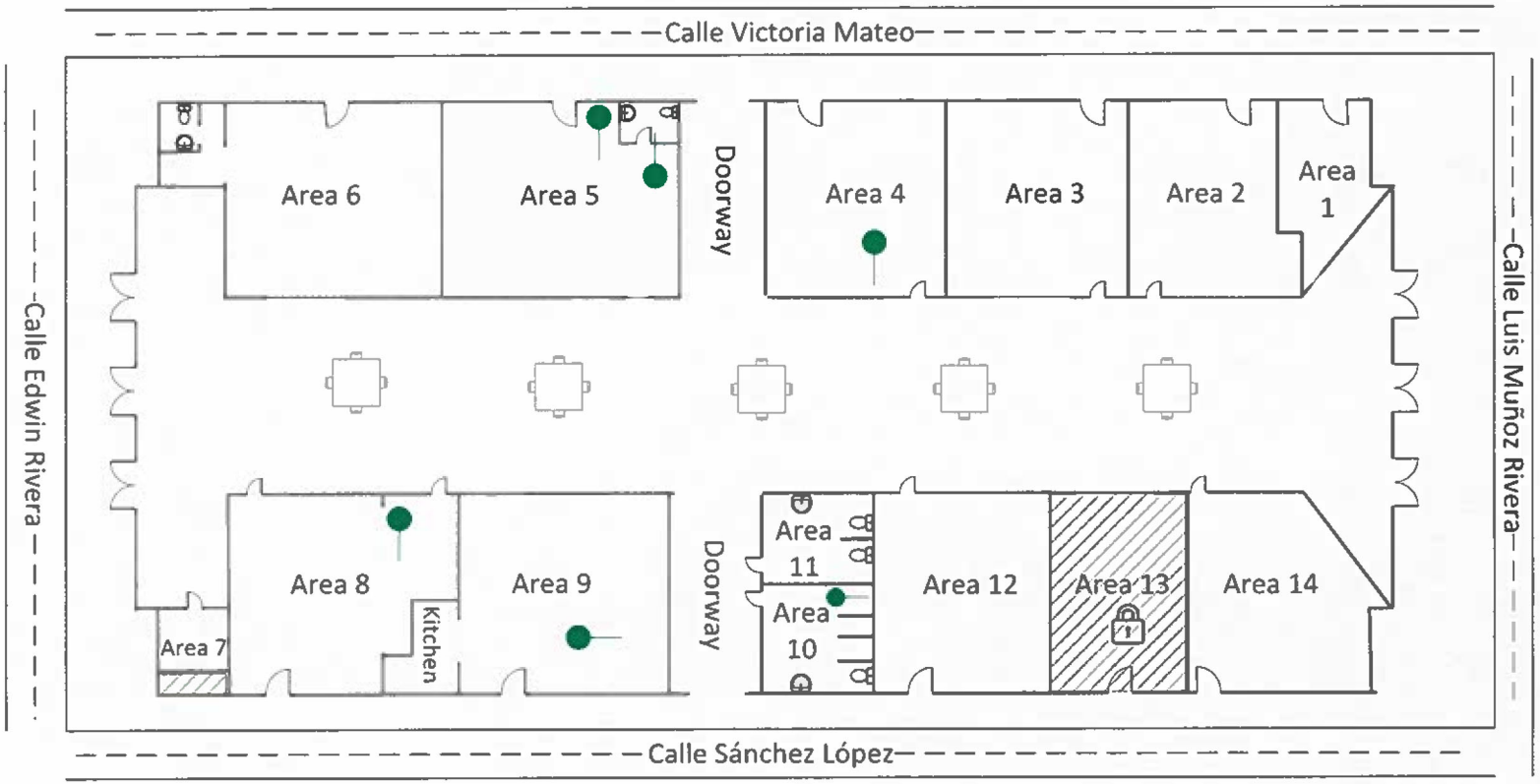
Details

File: *664-202204 Diagrama_ASB_Plaza del Mercado Salinas.vsdx*
Drawing: *Plaza del Mercado Salinas*

Location

17°58'41.9"N 66°17'49.9"W
Calle Muñoz Rivera esq. Calle Victoria Mateo, Salinas PR 00751

Plaza del Mercado Salinas_ASB



CHES Services Corp.
d/b/a Fernando L. Rodríguez, PE & Associates

Drawing Not to Scale

Drafted by: Monserrat Gonzalez (04/25/2022)

Description

Schematic Diagram

Client: Marqués + Marques Arquitectos

Facility: Plaza del Mercado Salinas

Details

File: *664-202204 Diagrama_ASB_Plaza del Mercado Salinas.vsdx*

Drawing: *Plaza del Mercado Salinas_ASB*

Location

17°58'41.9"N 66°17'49.9"W

Calle Muñoz Rivera esq. Calle Victoria Mateo, Salinas PR 00751

Appendix 3: Analytical Results and Laboratory Certifications

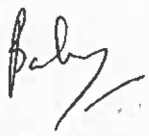
eurofins | EMLab P&K

Report for:

Mr. Fernando Rodriguez
IEMES, PSC
1522 Bori Street, Urb. Beliza
San Juan, PR 00927

Regarding: Project: C4462 Plaza del Mercado Salinas; Calle Victoria Mateo, esq Calle Edwin Rivera, Salinas PR
EML ID: 2913929

Approved by:



Approved Signatory
Balu Krishnan

Dates of Analysis:
Asbestos PLM: 05-05-2022

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)
NVLAP Lab Code 200738-0

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received and tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

Eurofins EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Eurofins EMLab P&K
6301 NW 5th way, Suite#: 1410, Ft. Lauderdale, FL 33309
(866) 871-1984 Fax (954) 776-8485 www.emlab.com

Client: IEMES, PSC
C/O: Mr. Fernando Rodriguez
Re: C4462 Plaza del Mercado Salinas; Calle Victoria Mateo, esq Calle Edwin Rivera, Salinas PR

Date of Sampling: 04-26-2022
Date of Receipt: 05-02-2022
Date of Report: 05-05-2022

ASBESTOS PLM REPORT

Total Samples Submitted:	8
Total Samples Analyzed:	8
Total Samples with Layer Asbestos Content > 1%:	0

Location: 01, Vinyl Baseboard at Room 04 Lab ID-Version‡: 13987644-1

Sample Layers	Asbestos Content
White Baseboard	ND
Off-White Mastic	ND
Sample Composite Homogeneity:	Good

Location: 02, Decorative Ceiling Tile Room 08 Lab ID-Version‡: 13987645-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	40% Cellulose 10% Mineral Wool
Sample Composite Homogeneity:	Good

Location: 03, Vinyl Floor Tile at Room 05 Lab ID-Version‡: 13987646-1

Sample Layers	Asbestos Content
Blue Floor Tile	ND
Off-White Mastic	ND
Sample Composite Homogeneity:	Moderate

Location: 04, Vinyl Floor Tile at Room 05 Lab ID-Version‡: 13987647-1

Sample Layers	Asbestos Content
White Floor Tile	ND
Off-White Mastic	ND
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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(866) 871-1984 Fax (954) 776-8485 www.emlab.com

Client: IEMES, PSC
C/O: Mr. Fernando Rodriguez
Re: C4462 Plaza del Mercado Salinas; Calle Victoria Mateo, esq Calle Edwin Rivera, Salinas PR

Date of Sampling: 04-26-2022
Date of Receipt: 05-02-2022
Date of Report: 05-05-2022

ASBESTOS PLM REPORT

Location: 05, Vinyl Floor Tile at Room 05

Lab ID-Version‡: 13987648-1

Sample Layers	Asbestos Content
Black Floor Tile	ND
Off-White Mastic	ND
Sample Composite Homogeneity:	Moderate

Location: 06, Decorative Ceiling Tile Room 05

Lab ID-Version‡: 13987649-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	40% Cellulose 10% Mineral Wool
Sample Composite Homogeneity:	Good

Location: 07, Decorative Ceiling Tile Room 10

Lab ID-Version‡: 13987650-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	40% Cellulose 10% Mineral Wool
Sample Composite Homogeneity:	Good

Location: 08, Vinyl Floor Tile at Room 09

Lab ID-Version‡: 13987651-1

Sample Layers	Asbestos Content
Brown Floor Tile	ND
Yellow Mastic	ND
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

CHAIN OF CUSTODY

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Phoenix, AZ: 1501 West Knudson Drive, Phoenix, AZ 85027 * (800) 651-4802
SSF, CA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080 * (865) 886-6653

ASBEST

002913929

REQUESTED SER

CONTACT INFORMATION			
Company:	CHES Services, Corp.	Address:	1522 Calle Bori, Urb. Beliza, San Juan PR 00916
Contact:	Fernando L. Rodriguez	Special Instructions:	
Phone:	787-751-7810		

PROJECT INFORMATION			
Project ID:	C4462 Plaza del Mercado Salinas		
Project Description:	Calle Victoria Mateo, esq. Calle Edwin Rivera, Salinas PR		
Project Zip Code:	00751	Sampling Date & Time:	4/26/2022
PO Number:		Sampled By:	Fernando L. Rodriguez

TURN AROUND TIME CODES (TAT)

STD – Standard (DEFAULT)
ND – Next Business Day
SD – Same Business Day Rush*
*Please call Client Services for locations with Rush services

Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume (Air Samples only)	Notes
01	Vinyl Baseboard at Room 04	B	STD	n/a	Beige VBB
02	Decorative Ceiling Tile Room 08	B	STD	n/a	Ceiling tile, White
03	Vinyl Floor Tile at Room 05	B	STD	n/a	Blue VFT
04	Vinyl Floor Tile at Room 05	B	STD	n/a	White VFT
05	Vinyl Floor Tile at Room 05	B	STD	n/a	Black VFT
06	Decorative Ceiling Tile Room 05	B	STD	n/a	Ceiling tile, White
07	Decorative Ceiling Tile Room 10	B	STD	n/a	Ceiling tile, White
08	Vinyl Floor Tile at Room 09	B	STD	n/a	Brown VFT

	PCM Air		PLM								Other Requests		
			Bulk						Rock & Soil				
	Fiber Count (NIOSH 7400)	OSHA with TWA	Asbestos Bulk PLM	EPA Point Count (200 Point Count)	EPA Point Count (400 Point Count)	EPA Point Count (1000 Point Count)	Gravimetric Point Count (400 Pt Count)	Gravimetric Point Count (1000 Pt Count)	CARB 435 Method (400 Point Count)	CARB 435 Method (1000 Point Count)	Lead Analysis – Flame AA		
01	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
02	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
03	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
04	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
05	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
06	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
07	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
08	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

SAMPLE TYPE CODES	
A – Air	W – Wipe
B – Bulk	T – Tape
D – Dust	R – Rock
SO – Soil	O – Other:

RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
[signature]	4/28/22	AC	4/29/22 09:05

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200738-0

Eurofins EMLab P&K

Fort Lauderdale, FL

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).

2022-01-01 through 2022-12-31

Effective Dates

DEPARTMENT OF COMMERCE • UNITED STATES OF AMERICA •

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Eurofins EMLab P&K
6301 NW 5th Way, Suite 1410
Fort Lauderdale, FL 33309
Ms. Claudia Palermo
Phone: 856-334-1001
Email: claudia.palermo@eurofinset.com
http://www.emlab.com

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 200738-0**

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

For the National Voluntary Laboratory Accreditation Program

Appendix 4: Inspectors' Qualifications

CHES Services Corp.

d/b/a Fernando L. Rodríguez, P.E. & Associates

PO Box 193430, San Juan, PR 00919-3430 | Tel.: (787) 751-7810 | Web: www.flraches.com

ACM QUALIFICATIONS

TARJETA DE REGISTRO
PARA LA REMOCION DE ASBESTO

Esta tarjeta autoriza a:

Fernando L. Rodriguez Ocasio

Inspector

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

ASB-0322-0087-SI
Número de Registro

18-Feb-2023
Fecha de vencimiento

Firma Autorizada - Departamento Recursos Naturales y Ambientales

TARJETA DE REGISTRO
PARA LA REMOCION DE ASBESTO

Esta tarjeta autoriza a:

Carmen M. Figueroa Santiago

Inspectora

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

ASB-0921-0490-SI
Número de Registro

14-Sep-2022
Fecha de vencimiento

Firma Autorizada - Departamento Recursos Naturales y Ambientales

TARJETA DE REGISTRO
LA REMOCION PARA DE ASBESTO

Esta tarjeta autoriza a:

Monserrat González Garro

Inspectora

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

ASB-0921-0489-SI
Número de Registro

14-Sep-2022
Fecha de vencimiento

Firma Autorizada - Departamento Recursos Naturales y Ambientales

Appendix 5: Asbestos No Presence Certifications (if applicable)

GOBIERNO DE PUERTO RICO
OFICINA DEL GOBERNADOR
JUNTA DE CALIDAD AMBIENTAL

Área de Calidad de Agua

OGPe Oficina de Gerencia de Permisos

Forma PGC-009

CERTIFICACION DE NO PRESENCIA DE ASBESTO EN ESTRUCTURAS A DEMOLERSE

(Deberá completarse en letra de molde o impresa)

PGC-_____
PARA USO OFICIAL

Yo, ING. FERNANDO L. RODRIGUEZ (Nombre), mayor de edad, SOLTERO (Estado Civil), y vecino de SAN JUAN (Municipio)

Dirección Postal PO BOX 193430 SAN JUAN PR 00919-3430 (Pueblo) (Zip Code)

Teléfonos: Residencial (787) 751 - 7810 Oficina (787) 751 - 7810 Ext._____

Fax (787) 751 - 8988

Certifico que:

1. La estructura localizada en Plaza del Mercado de Salinas, Calle Luis Muñoz Rivera, Salinas PR, la cual será objeto de una demolición se encuentra libre de asbesto.
2. La información antes indicada es cierta y correcta.
3. Afirmo y reconozco las consecuencias de incluir y someter información falsa en este documento.
4. Para que así conste, firmo la presente certificación en SAN JUAN (Municipio) de Puerto Rico, hoy día 6 de mayo de 2022

Fernando L. Rodriguez
AS8-0321-0188-SI
Firma y Sello del Profesional o
Firma del Inspector de Asbesto registrado por la JCA (Original)

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

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

PUERTO RICO VERDE

Attachment #7

SALINAS
CAPITAL DEL MAR CARIBE

PROGRAMAS
FEDERALES

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

Reviewer DAMARIS ROMAN RUIZ Digitally signed by DAMARIS ROMAN RUIZ Date: 2022.10.05 09:57:35 -04'00'

EDWIN MUNIZ Digitally signed by EDWIN MUNIZ Date: 2022.10.06 07:03:03 -04'00'

Caribbean ES Field Supervisor

October 4, 2022

Mr. Edwin Muñíz
Field Supervisor
U.S. Fish & Wildlife Service
Boquerón Field Office
PO Box 491
Boquerón, PR 00622

SELF-CERTIFICATION UNDER BLANKET CLEARANCE LETTER FOR FEDERALLY SPONSORED PROJECTS, HOUSING AND URBAN DEVELOPMENT, FOR THE PROJECT PR-CRP-000529 (RECONSTRUCCION PLAZA DEL MERCADO, BO. PUEBLO).

Dear Mr. Muniz:

We submit for your review the enclosed Self-Certification to fulfill requirements related with the Blanket Clearance Letter dated January 14, 2013. This information is submitted to comply with Section 7 of the Endangered Species Act (ESA). The project is a CDBG-DR funded project; allocated by HUD to PRDOH as the grantee of the funds and the municipality of [Subrecipient Name] as the subrecipient of the funds.
The 1925 Salinas marketplace (Plaza del Mercado), located in the traditional urban center (Carr. #1, Esq. C. Victoria Mateo & C. Sanchez Lopez, Salinas) has been in constant operation since its construction. Natural disasters have affected both the structure and aesthetics of the historic property. The Municipality of Salinas is thus proposing the remodeling of the building to regain the Plaza's somewhat lost public favor and to attract tourism to the urban center.

The proposed project is centered on the execution of code-required work, resilience to expected natural hazards, upgrade existing electrical infrastructure, sustainability and the preservation of historic features and materials.

The project activity is limited to a previously developed urban property and thus the proposed action has no effect on any natural habitats or federally protected species. Please refer to enclosed maps and project description for details.

Should you require any additional information, please contact me at salinasrevit2023@gmail.com or at the following phone number (787) 824-3060 Ext. 4007.

Cordially,

José C. Collazo Machado
Manager

SALINAS
CAPITAL DEL MAR CARIBE

PROGRAMAS FEDERALES

Self-Certification

Endangered Species Act Certification

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

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

The Municipality of Salinas, Puerto Rico, certifies that the project **Reconstrucción_de la Plaza del Mercado de Salinas (PR-CRP-000529)** funded by PRDOH CDBG-DR and located at Calle Palmer, Salinas, PR, complies with:

Check	Project Criteria
	1. Street resurfacing.
	2. Construction of gutters and sidewalks along exiting roads.
X	**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
X	**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.

October 4, 2022

José C. Collazo Machado
Gerente
(787) 824-3060 Ext. 4007
salinasrevit2023@gmail.com

Date

Architecture and Engineering Services for City Revitalization Program
Remodeling – Plaza del Mercado
Municipality of Salinas, Puerto Rico
ENE-001-2022-PR-CRP-000529 – 2022-000179

Scope of Work

The 1925 Salinas marketplace (Plaza del Mercado), located in the traditional urban center (Carr. #1, Esq. C. Victoria Mateo & C. Sanchez Lopez, Salinas) has been in constant operation since its construction. Natural disasters have affected both the structure and aesthetics of the historic property. The Municipality of Salinas is thus proposing the remodeling of the building to regain the Plaza's somewhat lost public favor and to attract tourism to the urban center.

The proposed project is centered on the execution of code-required work, resilience to expected natural hazards, upgrade existing electrical infrastructure, sustainability and the preservation of historic features and materials. The following interventions are expected to be included in the construction document for this project:

- Replacement of entire metal roof panels which have been damaged in the past with a new metal roof panel system which will incorporate insulation.

- Replacement of existing clerestory windows. These aluminum windows are not original, and many are broken or in a bad state. A new code compliant window and louver mix will be proposed to provide natural light and ventilation.

- Replacement of existing flooring and interior tile finishes. These materials are not original, and the project will specify new finishes which will be associated with the original finishes that would have been used.

- Redesign of existing bathrooms. While existing bathrooms were not part of the original construction, the project will completely redesign the existing spaces and bring them up to construction and accessibility (ADA) codes.

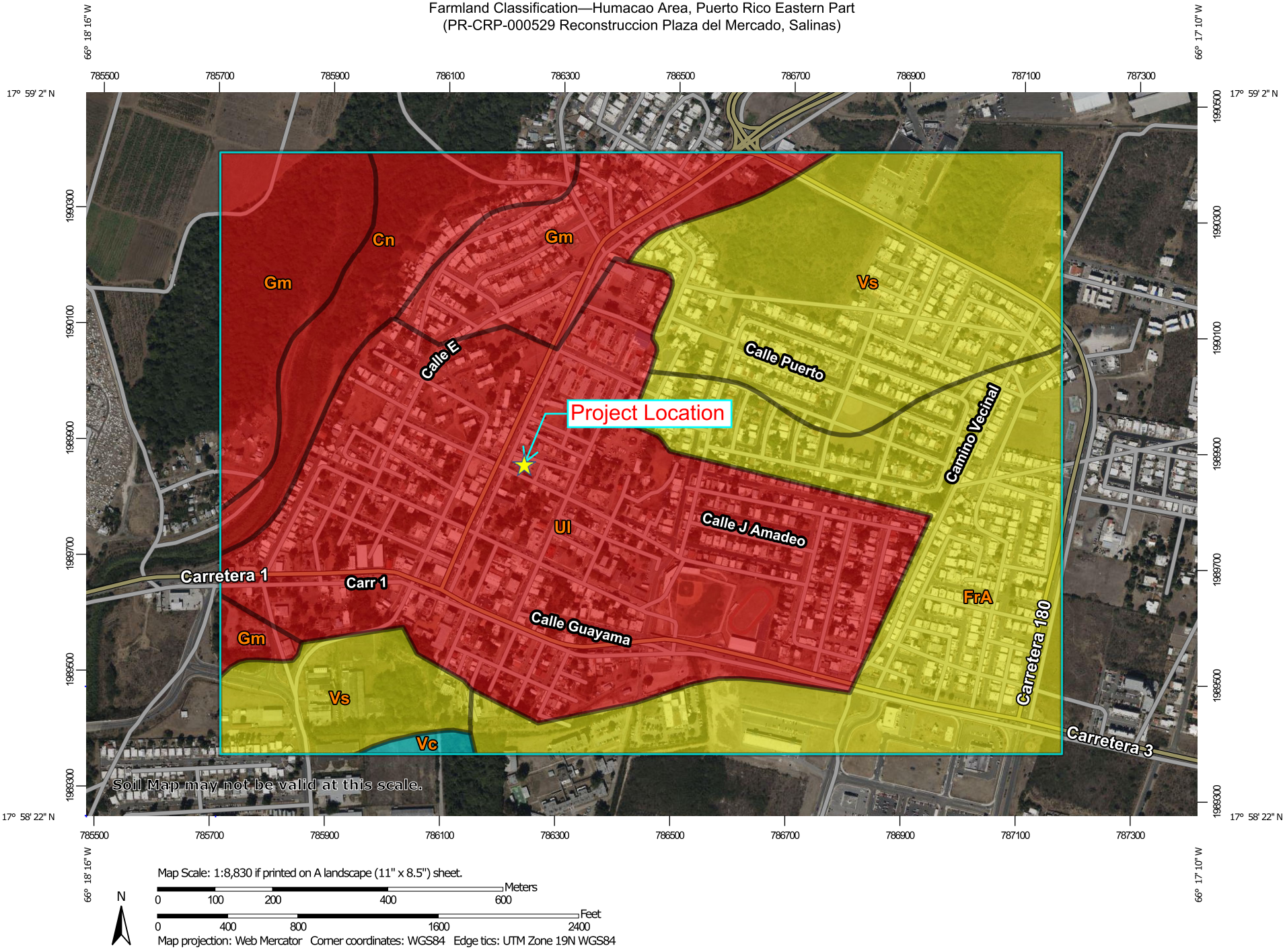
- Upgrade existing electrical and telecommunications infrastructure.

- Replace existing exterior lighting with updated and efficient light fixtures.
- Remodel exterior frontal plaza. Past architectural interventions have created an outdoor space which is fragmented and suffers from poor accessibility. This remodel will seek to simplify this outdoor space, add natural elements (new mid-growth trees) and improve accessibility.

The lot where the Plaza de Mercado is located has an approximate area of 1,517.8sq. mts. The building has an area of 594.8sq. mts. (6,403sq. ft).

This project will not add any new interior areas, modify, or enlarge the existing building footprint. All interior spaces will remain in their actual use except for the relocation of the janitor room to an unoccupied interior office space.

Farmland Classification—Humacao Area, Puerto Rico Eastern Part
(PR-CRP-000529 Reconstruccion Plaza del Mercado, Salinas)



Map Scale: 1:8,830 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 100 200 400 600

Feet: 0 400 800 1600 2400

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 19N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

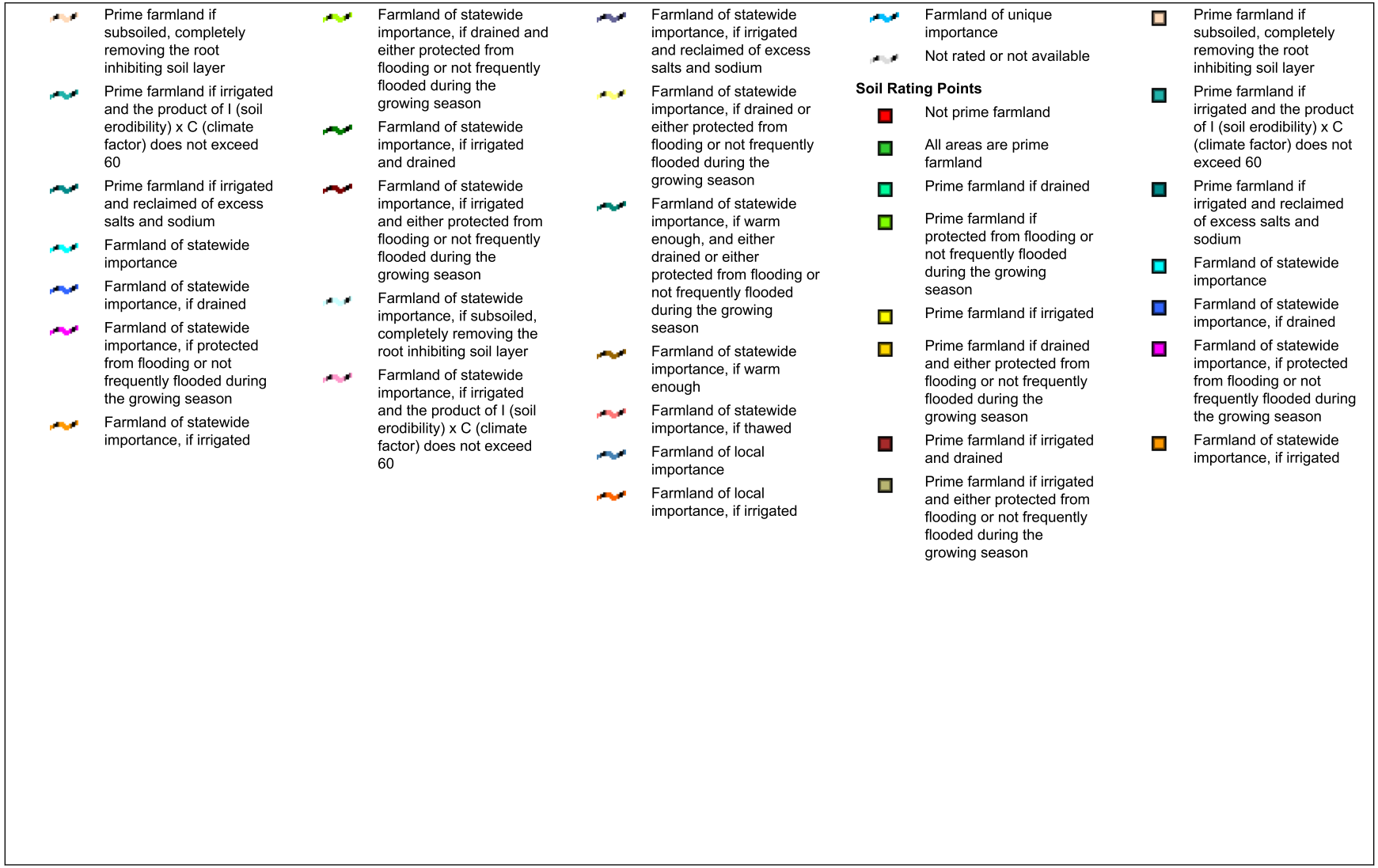
Soils

Soil Rating Polygons

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

Soil Rating Lines

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


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

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

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

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

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

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

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

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Humacao Area, Puerto Rico Eastern Part
Survey Area Data: Version 14, Sep 13, 2022

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

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

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

Farmland Classification

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Cn	Cobbly alluvial land	Not prime farmland	24.1	6.4%
FrA	Fraternidad clay, 0 to 2 perecent slopes	Prime farmland if irrigated	79.4	21.1%
Gm	Guamani silty clay loam	Not prime farmland	54.0	14.4%
Ul	Urban land	Not prime farmland	133.1	35.4%
Vc	Vayas silty clay, frequently flooded	Farmland of statewide importance	1.5	0.4%
Vs	Vives silty clay loam, high bottom	Prime farmland if irrigated	84.2	22.4%
Totals for Area of Interest			**376.3**	**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

Attachment #9

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

5-STEP PROCESS DOCUMENTATION

Project number:	**PR-CRP-00529**
Project name:	Reconstrucción de la Plaza del Mercado de Salinas
Municipality:	Municipality of Salinas
Date:	10/03/2022
Decision Process for E.O. 11988 as Provided by 24 CFR §55.20	

Justification

The project's site location is within Zona A in the Advisory Base Flood Elevation (ABFE) map and within Zone A as per National Flood Hazard Layer (FIRM map) 72000C2085J (November 18, 2009).

The proposed project is centered on the execution of code-required work, resilience to expected natural hazards, upgrade existing electrical infrastructure, sustainability and the preservation of historic features and materials. The following interventions are expected to be performed in the construction process for this project:

- Replacement of the metal roof (adding thermal insulation).
- Upgrades to existing illumination.
- Replacement of windows.
- Remodeling of existing rest rooms.
- Upgrades to existing electrical and telecommunications services.
- Replacement of flooring surfaces.
- Installation of pests control systems.

This project intends to focus on the open and public spaces of the Plaza del Mercado. This includes the exterior surrounding sidewalks, interior floor and wall finishes, rest room facilities and metal roof. The remodeled bathrooms will be ADA compliant and have improved accessibility. The goal of the action is to repair damages caused by Hurricane Maria in 2017, as funds by FEMA have been made available, and also to improve the structure to meet new codes and standards.

The project is located in an ABFE, Zone A flood zone. As per 24 CFR Part 55, this action is considered as a non-critical action and needs to comply with the decision-making process. In this case, the 5-step process could be followed, provided that the "action does not meet the threshold for substantial improvement". A Substantial Improvement, means "any repair, reconstruction, modernization or improvement of a structure, the cost of which equals or exceeds 50 percent of the market value of the structure either: before the improvement or repair is started, or if the structure has been damaged and is being restored, before the damaged occurred…"

The proposed project does not constitute a new construction and is in a unique setting within the center of town. The building is considered NRHP-eligible site, which may increase its value. However, since each "plaza de mercado" is quite unique, information to establish its market value is not readily available. Yet, based on the building's unique features and location, it can be concluded that such a building may have

a market value well over 1.5 million dollars. In this line, it can be concluded that the proposed action is less than 50% of the market value of the building. Thus, not a substantial improvement.

Project description

The municipality of Salinas intends to repair and update the existing municipal marketplace building. The 1925 Salinas marketplace (Plaza del Mercado), located in the traditional urban center has been in constant operation since its construction. The marketplace building is surrounded by residences and businesses and has served as an anchor for neighborhood activity and town life. Its location is deeply interconnected to the urban fabric of which it is a part of.

Natural disasters have affected both the structure and aesthetics of the historic property. The Municipality of Salinas is thus proposing the preservation (perhaps rehabilitation) of the building to regain the Plaza's somewhat lost public favor and to attract tourism to the urban center.

The proposed project is centered on the execution of code-required work, resilience to expected natural hazards, repairs from recent natural phenomena, sustainability and the preservation of historic features and materials. It entails replacing the galvanized metal roof, upgrading the electrical infrastructure, lighting, remodeling the restroom facilities, replacing doors, windows, and floor finishes, painting (interior and exterior), and pest control solutions (pigeons). The proposed project will meet accessibility, building code and life safety requirements.

The marketplace currently houses a mix of restaurants, bar, barbershop and confection/bakery businesses. Sanitary services (toilets) are provided for patrons as well as vehicular parking in the immediate surroundings. It is anticipated that a similar mix of businesses will occupy the marketplace after the project is concluded.

The project intends to refinish and remodel existing surrounding sidewalks. Accessibility will be improved by providing compliant exterior ramps.

The current scope of work does not expand the market's current footprint nor change its operational/use characteristics.

Exhibit 1. Plaza del Mercado, Salinas. Aerial image showing marketplace located within the town of Salinas and surrounding areas.

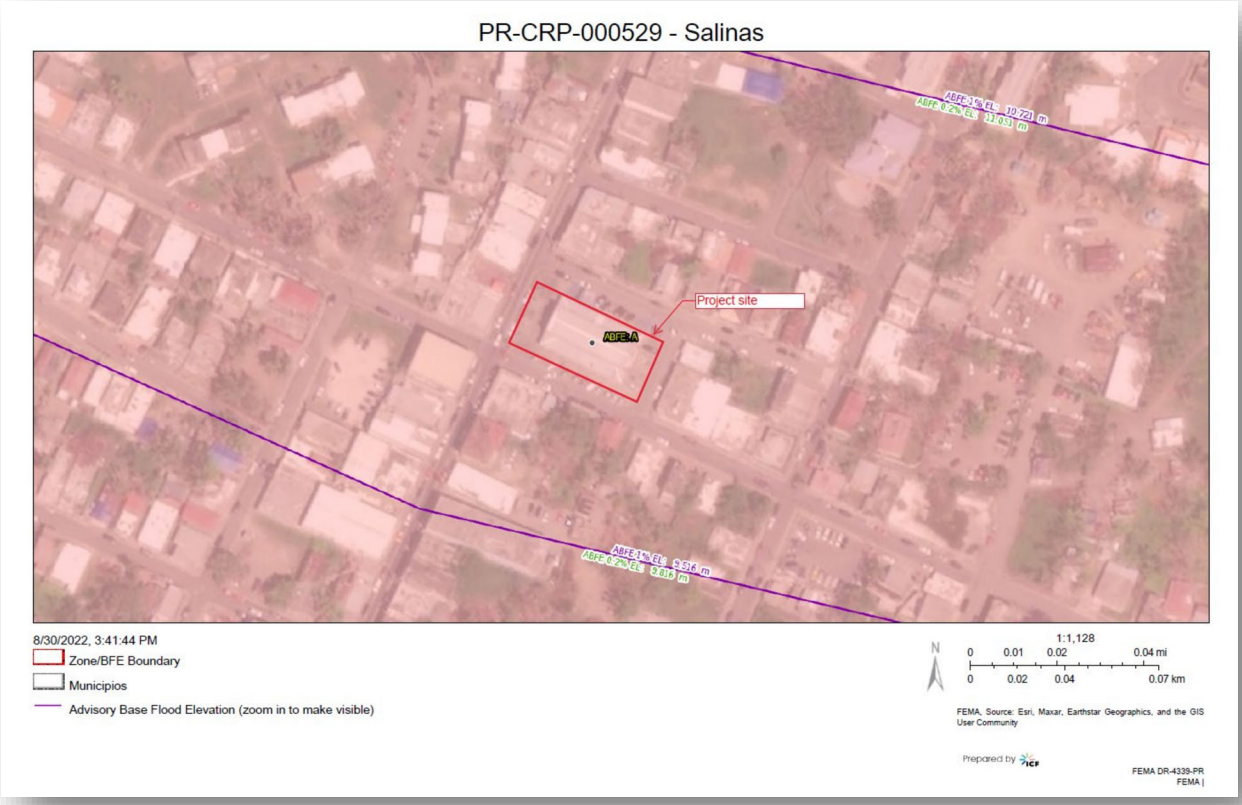


Exhibit 2. *ABFE Map showing marketplace location within a Zone A*

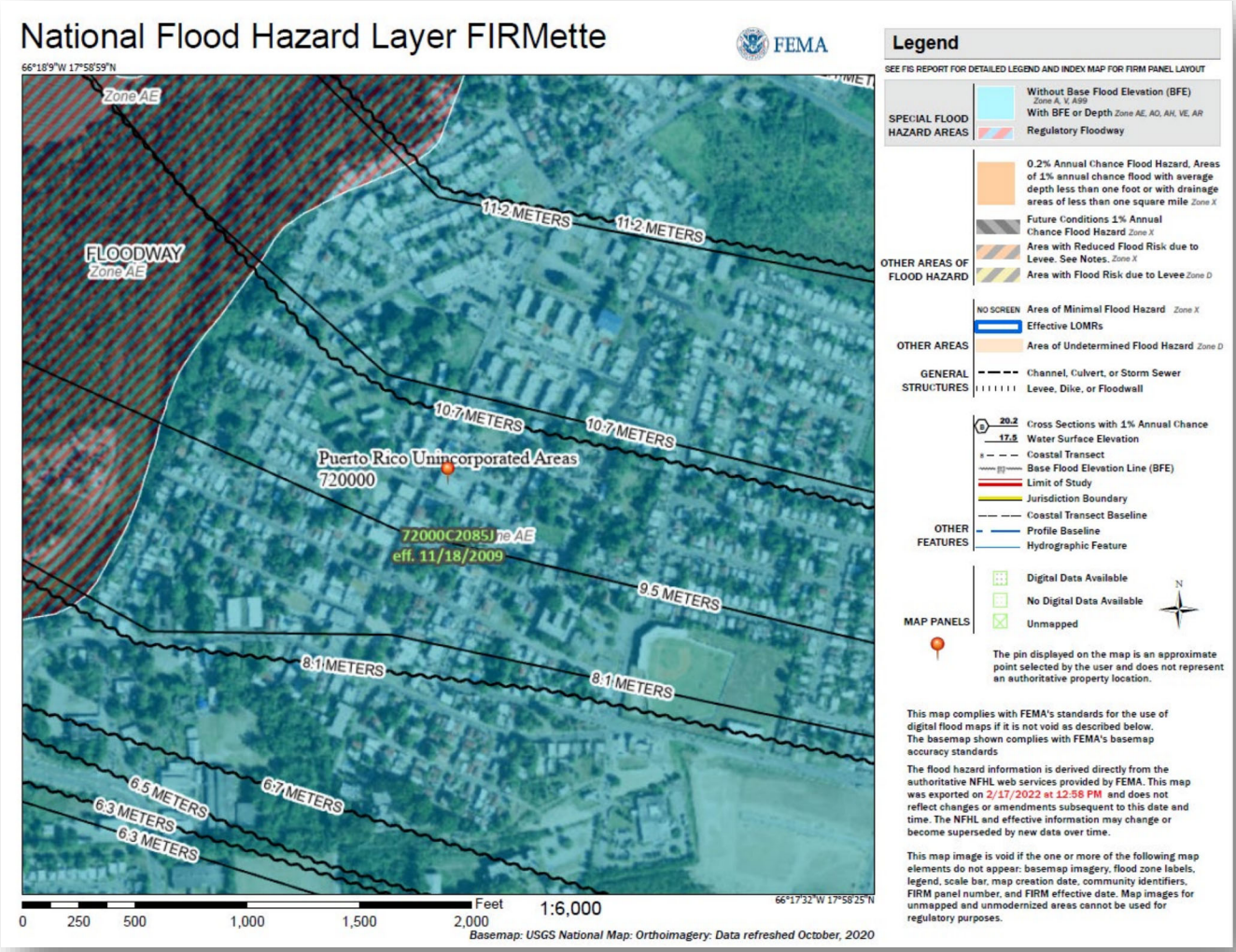


Exhibit 3. *Flood Insurance Rate Map (FIRM).*

Step 1: *Determine whether the action is located in a 100-year floodplain (or a 500-year floodplain for critical actions) or wetland.*

The project is located within the base (100 year) flood plain. See Exhibits 2 and 3 above.

~~Step 2: *Notify the public for early review of the proposal and involve the affected and interested public in the decision-making process.*~~

Public Notice does not apply.

~~Step 3: *Identify and evaluate practicable alternatives.*~~

Does not apply

Step 4: *Identify Potential Direct and Indirect Impacts Associated with Floodplain Development.*

The actions will have minimum impacts to the floodplain because the facilities are existing, and the action will not increase the impervious surfaces. Also, there will be no above-ground construction that will limit floodwater movements.

The action will maintain all site characteristics which affect surface water runoff. The project does not seek to expand its footprint or change use characteristics of its exteriors (walkways, plaza areas). A planting area with a mid-growth tree will be added to add more natural components to the exterior makeup of the marketplace.

The highest priority of this review is to prevent the loss of life. However, the project does not envision residential facilities or areas to increase the density of population in the area. Thus, in the event of a flood, there will be no potential threat over life because of this action.

Most of the project's interventions are within the existing marketplace building. As such the construction will have minimal effects on water resources.

Societal resources were also considered during the design process. The action on this site is meant to enhance the location and offer an aesthetically pleasing experience to the citizens that utilize the project areas. This influence will be beneficial to the well-being of the citizens and provide a positive experience for the visitors. The project will not have effect on agricultural lands.

Step 5: *Where practicable, design or modify the proposed action to minimize the potential adverse impacts to lives, property, and natural values within the floodplain and to restore, and preserve the values of the floodplain.*

(a) Preserving Lives: As indicated previously, the proposed actions will not increase the population density in the area. Thus, in the event of a flood, there is limited potential threat to life. The municipality has implemented plans to manage human resources during possible flood events.

(b) Preserving Property: Due to the location characteristics of the projects, limited scope, and its historic nature and original functional requirements, there are no floodproofing measures that can be incorporated aside from the addition of singular tree planting areas. Resiliency will be built into the individual actions so that they can withstand hurricanes as much as possible.

(c) Preserving Natural Values and Minimizing Impacts: The project aims to remodel existing facilities; thus, it will have very limited to no impact on surrounding natural areas. This is due to the alternative of reconstruction rather than new construction. Impact to water resources will also be minimal as the marketplace is located within an urban environment. Impacts to the floodplain will also be limited due to construction occurring within a previously developed site. Finally, landscaping practices will be implemented using, whenever possible, native vegetation that is resilient to climate events.

(d) Restore and Preserve the values of the floodplain: The chosen alternative will preserve floodplain values in the sense that it involves reconstruction of existing facilities.

Step 6: *Reevaluate the Alternatives.*

Salinas has the unique characteristic that its central urban area is within the Special Flood Hazard areas subject to inundation by 1% the annual chance of flood, as delineated by FEMA's Flood Insurance Rate Maps. Therefore, there are limited alternatives to development or rehabilitation outside the floodplain. Because the limited actions involve a specific existing facility located in the urban area, alternatives for this project cannot be considered.

Although the project will retain its location with the flood hazard area, the projects will be made more resilient to future weather events. Additionally, the actions do not present an increased risk to human life and property.

Relocating this project will not change actions that are necessary to reinvigorate the Salinas urban center. This, because the urban center is within a flood hazard area. The municipality continues to make the urban center more resilient for the sake of its citizens and the economic development.

The municipality has not considered an alternative because it will not serve to create resiliency, aid in economic development, provide accessibility to services, and improve citizens livelihood by providing areas of recreation and leisure that are safe and accessible within the heart of the existing municipal urban fabric.

~~Step 7: *Determination of No Practicable Alternative*~~

Does not apply

Step 8: *Implement the Proposed Action*

The city will assure that this plan, as modified and described above, is executed and necessary language will be included in all agreements with participating parties. The city will also take an active role in monitoring the construction process to ensure no unnecessary impacts occur nor unnecessary risks are taken.

GOVERNMENT OF PUERTO RICO
STATE HISTORIC PRESERVATION OFFICE
Executive Director I Carlos A. Rubio-Cancela I carubio@prshpo.pr.gov

Tuesday, January 17, 2023

Lauren Bair Poche
Historic Preservation Senior Manager
HORNE Puerto Rico
10000 Perkins Rowe, Suite 610 Bldg G
Baton Rouge, LA 70810

SHPO: 12-07-22-01 (PR-CRP-000529) – RECONSTRUCIÓN DE LA PLAZA DEL MERCADO LOCALIZADA EN LUIS MUÑOZ RIVERA, ESQUINA OF VICTORIA MATEO CALLE EDWIN RIVERA Y SÁNCHEZ LÓPEZ, SALINAS, PUERTO RICO

Dear Ms. Poche,

The SHPO 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*. 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.

Our records support your finding that the undertaking will have **no adverse effect** upon historic properties.

If you have any questions or comments regarding this matter or require our further assistance, do not hesitate to contact our Office.

Sincerely,

for Carlos A. Rubio-Cancela
State Historic Preservation Officer

c. Juan C. Pérez Bofill, Director of Disaster Recovery, CDBG DR-MIT

CARC/GMO/SG

December 7, 2022

Carlos A. Rubio Cancela
Director Ejecutivo
Oficina Estatal de Conservación Histórica
Cuartel de Ballajá (Tercer Piso)
San Juan PR 00902-3935

Puerto Rico Disaster Recovery, CDBG-DR Program: City Revitalization Program (CRP)

SECTION 106 NHPA EFFECT DETERMINATION SUBMITTAL FOR PR-CRP-000529, RECONSTRUCCIÓN DE LA PLAZA DEL MERCADO DEL SALINAS PROJECT, SALINAS, PUERTO RICO

Dear Architect Rubio Cancela,

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

On behalf of PRDOH and the subrecipient, the Municipality of Salinas, we are submitting documentation for the rehabilitation of the National Register of Historic Places eligible Plaza del Mercado within the Municipality of Salinas. The full scope is described in the submitted documentation, which includes mapping, photographs, and the design drawings for the proposed project. The scope of work provided by the architectural firm has also been included as supporting documentation. Based on the provided documentation prepared by SOI-qualified professionals Wanda Bogdel Figueroa and Aida Belén Rivera Ruiz, the Program requests a concurrence with a determination that No Adverse Effect to historic properties is appropriate with the condition that the project must fully comply with the Secretary of the Interior's Standards and Guidelines for the Preservation or Rehabilitation of Historic Buildings.

Please contact me by email at lauren.poche@horne.com or phone at 225-405-7676, or Ms. Sharon Meléndez Ortiz at sharon.melendez@hornepr.com.

Kindest regards,

Lauren B. Poche

Lauren Bair Poche, M.A.
Architectural Historian, Historic Preservation Senior Manager
Enclosures

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CRP) **Section 106 NHPA Effect Determination**	
Subrecipient: Municipality of Salinas, PR	
Project Name: Reconstrucción de la Plaza del Mercado de Salinas	
Project Number: PR-CRP-000529	

Project Location: Luis Muñoz Rivera, corner of Victoria Mateo, Edwin Rivera and Sánchez López Streets	
Project Coordinates: X: 214933.657, Y: 215940.763 (Lat:17.978367, Long: -66.297329)	
TPID (Número de Catastro)**:** 417-063-018-001	
Type of Undertaking: X Substantial Repair ☐ New Construction	
Construction Date (AH est.): 1925	**Property Size** (acres)**:** 0.375
SOI-Qualified Architect/Architectural Historian: Wanda Bogdel Figueroa	
Date Reviewed: 12 May 2022, revised 28 November 2022	
SOI-Qualified Archaeologist: Aida Belén Rivera Ruiz	
Date Reviewed: 12 May 2022, revised 28 November 2022	

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.

Project Description (Undertaking)

The 1925 Salinas marketplace (Plaza del Mercado), located in the traditional urban center has been in constant operation since its construction. Natural disasters have affected both the structure and aesthetics of the historic property. The Municipality of Salinas is thus proposing the preservation (perhaps rehabilitation) of the building to regain the Plaza's somewhat lost public favor and to attract tourism to the urban center.

The proposed project is centered on the execution of code-required work, resilience to expected natural hazards, sustainability and the preservation of historic features and materials. It entails replacing the galvanized metal roof, upgrading the electrical infrastructure and lamps, remodeling the restroom facilities, replacing doors, windows, and floor finishes, painting (interior and exterior), and pest control solutions (pigeons). The proposed project will meet accessibility, building code and life safety requirements, and the Secretary of the Interior's Standards for the Treatment of Historic Properties.

The use as a marketplace will remain the same and no additional footage will be added to the existing footprint. There is no proposed ground disturbance for the execution of the project.

Area of Potential Effects

As defined in 36 CFR §800.16(d), the area of potential effects (APE) is the geographic area or areas within which an undertaking may directly or indirectly cause changes in the character or use of historic properties if any such properties exist. Based on this definition and the nature and scope of the Undertaking, the Program has determined that the APE for this project is the historic building itself subject to the proposed undertaking and the traditional urban center, as graphically defined by the Puerto Rico State Historic Preservation Office in December 2020 (Figure 1), and the visual APE is the viewshed of the proposed project.

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 is only one known archaeological historic property within the area of potential effects. Identified in 2013 by Sharon Meléndez Ortiz, SN-80 (also known as SX0200021, S-17 and #6223) is the last remaining wall segment of a nineteenth-century building. Locals allege it was associated to the chapel at an old cemetery. The site is located 285 meters West of the proposed project location (Figure 7). There is no additional evidence of the claimed cemetery. The remnant is no longer visible, as neighbors report it was demolished ca. 2020.

Only one archaeological survey has been carried out within the proposed project's APE, 337 meters Southwest of the proposed project location (Figure 6). It had negative results (Méndez Bonilla, 1989, SHPO #06-29-88-04/ ICP #SN-89-02-02). An adjacent, linear survey was completed along the Nigua River (Pan American Consultants, 1994, ICP #SN-94-10-07), West of the traditional urban center. Scattered archaeological finds were identified along the riverbank, all not eligible to the National Register of Historic Places (NRHP), all quite distant from the study area (APE).

The noteworthy absence of known additional archaeological sites within the APE suggests the project location has a minimal potential for the identification of significant resources. We

assess no archaeological historic properties will be affected by this undertaking. The proposed project location sits on Urban land, per the USDA (Figure 5).

Identification of Historic Properties - Architecture

Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information, by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61), shows that the project area is within the boundaries of the National Register of Historic Places (NRHP)-eligible Salinas Traditional Urban Center. Presumably, the Traditional Urban Center will include contributing properties that enhance its eligibility under Criteria A, B, C and D. In the case of Salinas, as is true for most other municipalities, the evaluation and resulting boundaries respond to Criterion C.

Salinas, one of the municipalities located on the southern coast of Puerto Rico, was founded on 1841, and named after the famous salt flats on its shores. It is part of the web of towns crossed and connected by PR-1, as an old route that linked the developed settlements from San Juan to Ponce, and by PR-3 to the East. It is estimated that by the middle of the 17th century some settlers who called the area Las Salinas inhabited the territory. Abbad y Lasierra described this town in 1776 and affirmed that, at the time, there were about a hundred residents of the parish of Coamo whose lands, although sandy and poor, are highly cultivated and grow a lot of coffee...[1] Back then, present day Salinas was a neighborhood of Coamo and the salt flats were already known and being exploited.

Salinas boasts many historic properties with heritage value. Significant civil, institutional, and religious properties make up its urban fabric and give it scale, as one of the traditional coastal urban centers on the south of the Island, with sufficient integrity to be eligible to the NRHP. The *Iglesia Nuestra Señora de la Monserrate*, across the street, East from the traditional town center, has been singled out by the SHPO as a historic property (known as SX0200001 and SN-110). The church is 207 meters South of the proposed project location (Figure 7).

With a particular and significant urban setting, the Plaza del Mercado occupies, majestically, an entire block almost in the center of town, with its front façade facing the main road, PR-1 (today Luis Muñoz Rivera Street) and practically projecting from west to east, between Victoria Mateo, Edwin Rivera, and Sánchez López Streets, which define said block. An open

[1] Abbad y Lasierra, Fray Iñigo. Historia geográfica, civil y natural de la Isla de San Juan Bautista de Puerto Rico, Nueva Edición. (Puerto Rico: Imprenta y Librería de Acosta, 1866), 228.

space or *plaza* faces Luis Muñoz Rivera Street and sets back the building; there is parking space around the other three sides, perpendicular to the building itself. This setting minimizes the effects of activities at the Plaza on its surroundings (Figure 2, 3 and 4). The Plaza is visible on 1930 aerial imagery (Figure 9) and rightfully absent on the 1884 plan of Salinas (Figure10).

This property is simple but effective, both volumetrically and in terms of its façades, plan, and circulation. It is an elongated, double-height main nave with a gabled roof, with two additional elongated single-height naves with slightly pitched roofs attached to either long side. The difference in height between the three volumes, which are practically aligned on their short sides, allows the main nave to have clerestory-type windows on all four sides. It is a continuous element that crowns the set of volumes and that contrasts, in turn, with the three large arches that define the main front entrance (Photos 1 and 4) and the rear entrance (Photos 2 and 3), in the short façades of the main nave. Two secondary entrances exist located at the center of each long façade. These four entrances respond to the long and short axes that occur symmetrically inside the building (Photos 5-8).

The floor plan presents a symmetrical crosshead for the circulation and sharing area, which defines the four enclosed areas that penetrate the main nave, where the ten commercial premises of the Plaza are located (Photos 5-8). These offer their services and products to the interior of the Plaza, from interior façades with windows and doors, and have access from the outside (Photo 4).

The Plaza del Mercado is a reinforced concrete building, with a gable roof made of metal plates on a steel structure. It responds to the neoclassical style, with simple ornamentation consisting of high relief moldings on its short façades. The main façade also incorporates its name and the year of construction. Aluminum and glass "French" awning windows have substituted the original (presumably wooden jalousie) windows. Its doors are made of wood protected with striking cast-iron gates and transoms, which seem to be original. With its continued, uninterrupted use, quite few alterations and general good condition, the property boasts a high degree of integrity. The construction was funded by the Municipality of Salinas, at a cost of $19,970.44, as reported in the 1924 *Informe del Comisionado del Interior al Hon. Gobernador de Puerto Rico.*

This historic property, built in 1925, is surrounded by other properties whose historicity, style or scale contribute to the built heritage that defines this town. The building itself is NRHP-eligible under Criterion C, mainly. It embodies the distinctive characteristics of its type and period of construction (Photos 1-4, 14-15).

Based on our research, we cannot ascertain the property's architect. The building is sometimes attributed to Fidel Sevillano, an architect at the service of the Puerto Rico

Department of the Interior (PRDI), working under Rafael Carmoega Morales. Some sources credit Carmoega Morales, then the first Puerto Rican Chief of the Public Buildings Division of the PRDI.

Determination

The following historic properties have been identified within the APE:
- Direct Effect:
  - Plaza del Mercado

- Indirect Effect:
  - the Salinas Traditional Urban Center as graphically defined by the Puerto Rico State Historic Preservation Office in December 2020 (Figure 1)

- Indirect Visual Effect (Figure 8, blue arrows):
  - Commercial building, ca. 1930, Luis Muñoz Rivera Street, corner of Victoria Mateo Street, NRHP-eligible under Criterion C (Photo 9)
  - Vernacular house, ca. 1925, Victoria Mateo Street, NRHP-eligible under Criterion C (Photo 10)
  - Vernacular house, ca. 1925, Victoria Mateo Street, NRHP-eligible under Criteria B and C [home of Victoria Mateo Serrano, Salinas' first female mayor (1948-1952)] (Photo 11)
  - Mid-century house, ca. 1955, Edwin Rivera Street, corner of Sánchez López Street, NRHP-eligible under Criterion C (Photo 12)
  - Mixed use building, ca. 1955, Sánchez López Street, corner of Luis Muñoz Rivera Street, not individually NRHP-eligible but contributing to the traditional urban center (Photo 13)

Based on the results of our historic property identification efforts, the Program has determined that project actions will have no adverse effect on the historic properties that compose the direct and indirect APE. The Plaza del Mercado de Salinas, located within the limits of the traditional urban center, was built in 1925 and has been in operation since its construction. It is a concrete structure with neoclassical style ornamentation on the main facades. It has undergone very few alterations and the interior retains its original characteristics.

The proposed project recognizes the Plaza's contribution to the significant urban center and is intended to preserve the overall architecture and character defining features of the historic property, while enhancing the facilities for its continued historic use. Repairs, in kind replacements, code-required work and upgrades for improved resilience and sustainability are the necessary measures to successfully accomplish the task.

The edifice's setback within its very own block essentially eliminates the potential for adverse effects upon surrounding historic properties. On the contrary, completion of this project will imply improve conditions for the building itself, its merchants, and the public, as well as for the APE, particularly the contributing properties that surround the Plaza.

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

X No Adverse Effect

Condition: The proposed project must fully comply with the Secretary of the Interior's Standards and Guidelines for the Preservation or Rehabilitation of Historic Buildings.

☐ Adverse Effect

Proposed Resolution (if appliable)

This Section is to be Completed by SHPO Staff Only

The Puerto Rico State Historic Preservation Office has reviewed the above information and: ☐ **Concurs** with the information provided. ☐ **Does not concur** with the information provided.	
Comments:	
Carlos Rubio-Cancela State Historic Preservation Officer	Date:

Fig. 1: Project (Parcel) Location – Area of Potential Effect Map (Aerial)
(on SHPO provided map showing Traditional Urban Center boundaries)

Fig. 2: Project (Parcel) Location - Aerial Map (on Google Earth imagery)

Fig. 3: Project (Parcel) Location - USGS Topographic Map

Fig. 4: Project (Parcel) Location – 1952 USGS Topographic Map

Fig. 5: Project (Parcel) Location – Soils Map (USDA Web Soil Survey imagery)

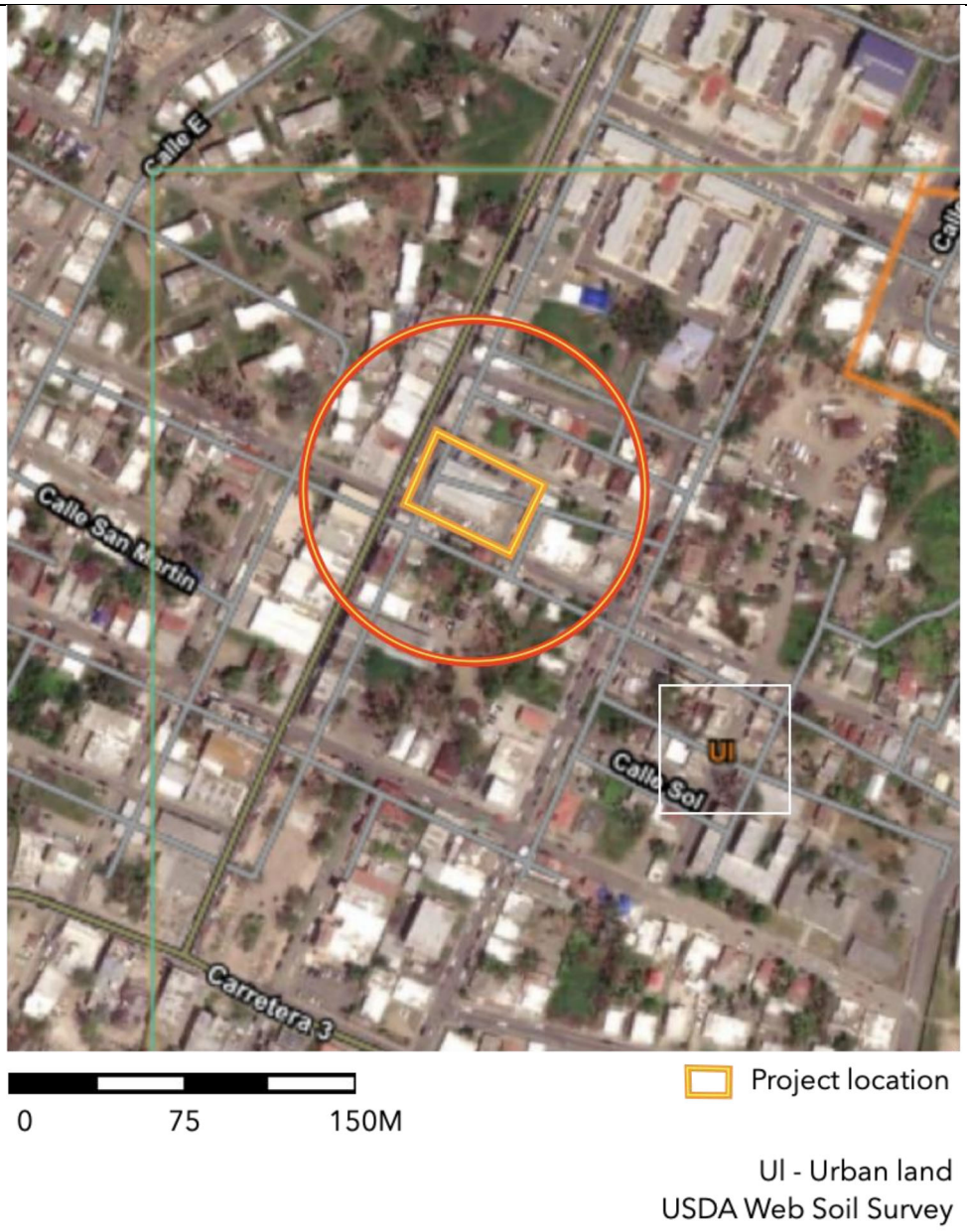


Fig. 6: Project (Parcel) Location with Previous Investigations – Aerial Map

Fig. 7: Project (Parcel) Location with Previously Recorded Cultural Resources USGS Topographic Map

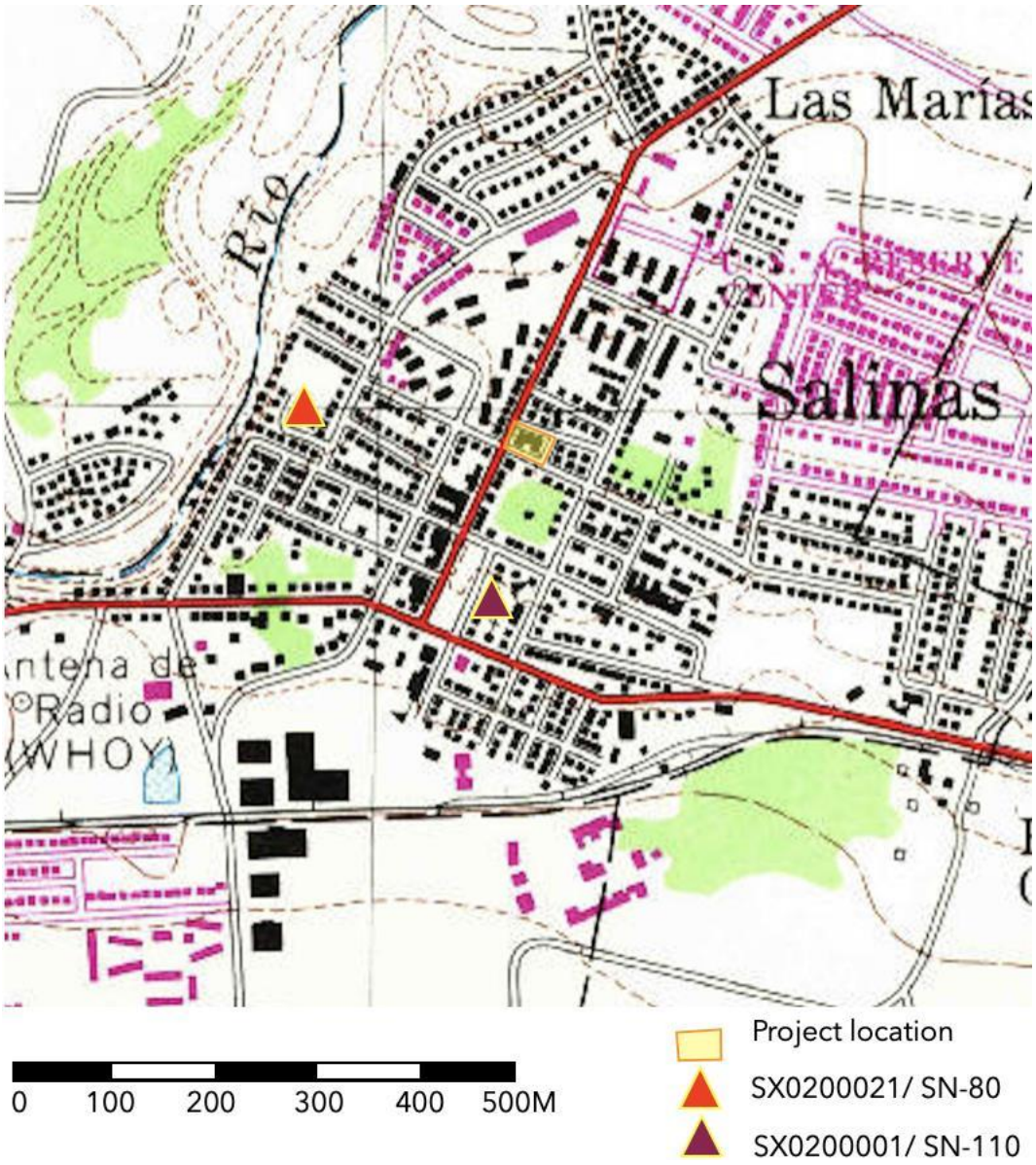


Fig. 8: Photograph Key (on Google Earth imagery)

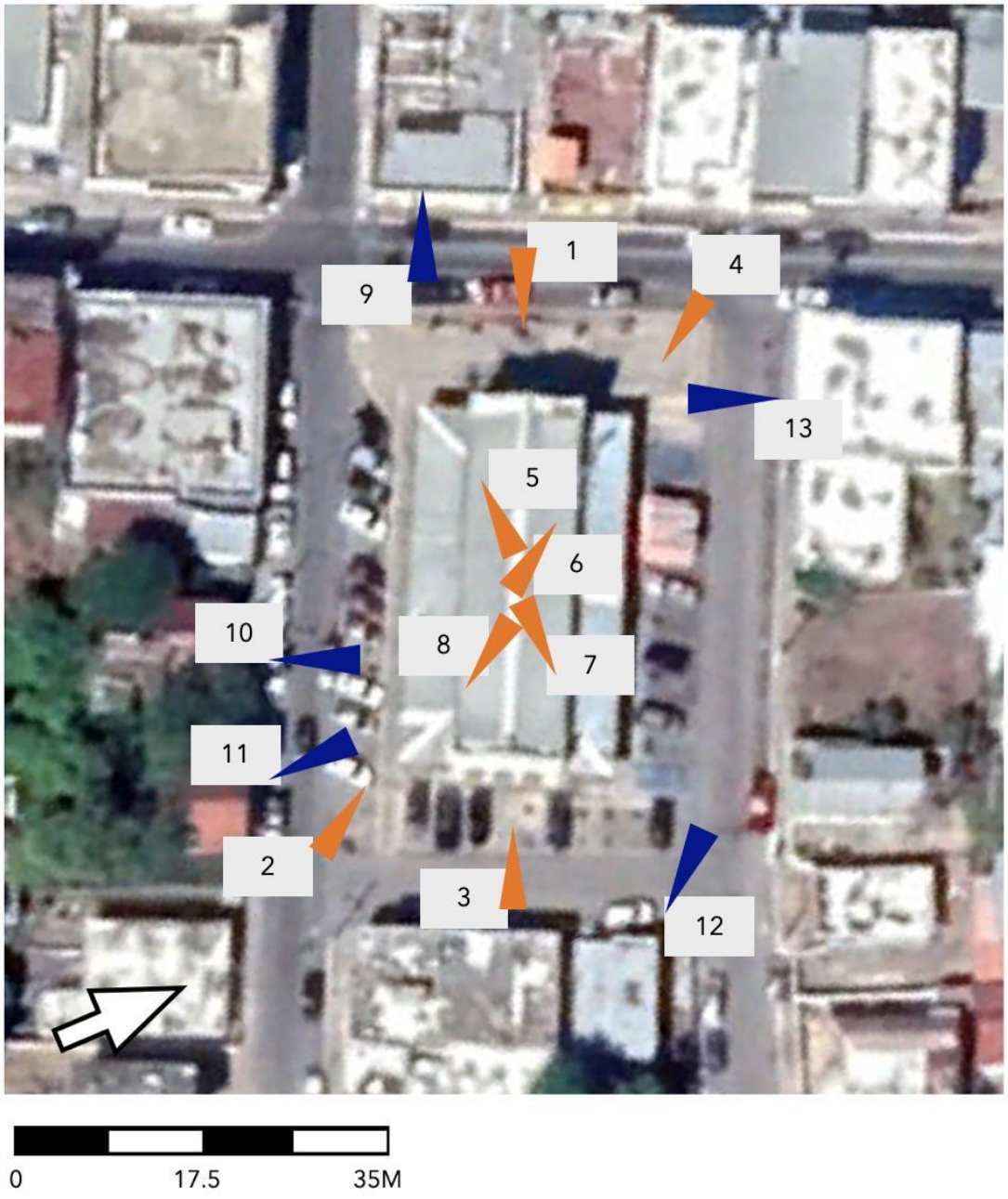


Photo #: 1	**Description (include direction):** Main façade, facing East-Southeast
Date: 3 May 2022	

Photo #: 2	**Description (include direction):** Rear façade and South long façade, facing Northwest
Date: 3 May 2022	

Photo #: 3	**Description (include direction):** Rear façade, facing West-Northwest
Date: 3 May 2022	

Photo #: 4	**Description (include direction):** Main façade and North long façade, facing Southeast
Date: 3 May 2022	

Photo #: 5	**Description (include direction):** Indoor Southwest quadrant, facing West
Date: 3 May 2022	

Photo #: 6	**Description (include direction):** Indoor Northwest quadrant, facing Northwest
Date: 3 May 2022	

Photo #: 7	**Description (include direction):** Indoor Northeast quadrant, facing East
Date: 3 May 2022	

Photo #: 8	**Description (include direction):** Indoor Southeast quadrant, facing Southeast
Date: 3 May 2022	

Photo #: 9	**Description (include direction):** NRHP-eligible commercial building on Luis Muñoz Rivera St., facing West-Northwest
Date: 3 May 2022	

Photo #: 10	**Description (include direction):** NRHP-eligible vernacular house on Victoria Mateo St., facing South-Southwest
Date: 3 May 2022	

Photo #: 11	**Description (include direction):** NRHP-eligible Victoria Mateo vernacular house on Victoria Mateo St., facing South-Southeast
Date: 3 May 2022	

Photo #: 12	**Description (include direction):** NRHP-eligible mid-century house on Edwin Rivera St., facing Southeast
Date: 3 May 2022	

Photo #: 13	**Description (include direction):** NRHP-eligible mixed-use building on Sánchez López St., facing North-Northeast
Date: 3 May 2022	

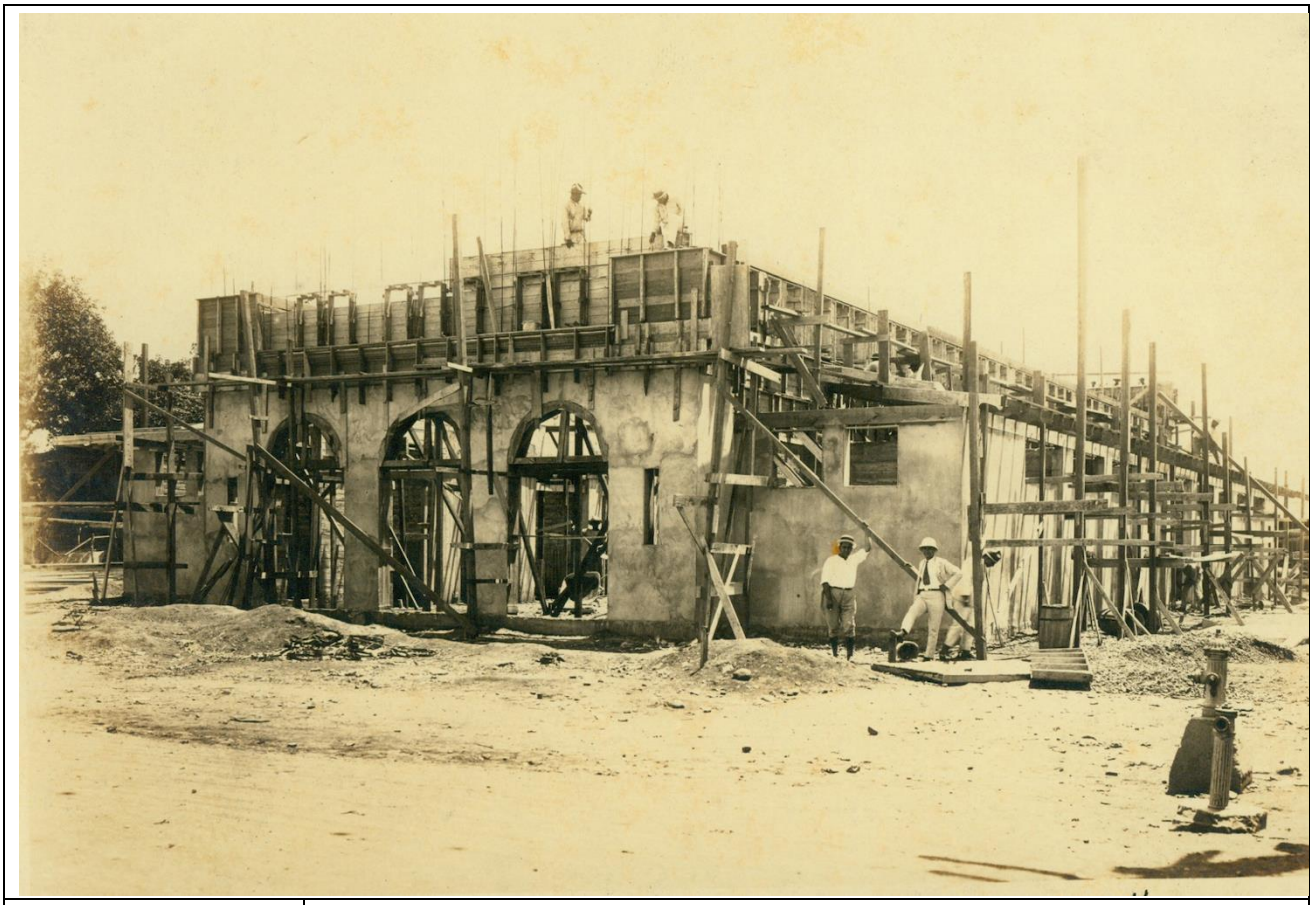


Photo #: 14	**Description (include direction):** Plaza del Mercado during construction, direction unknown (AGPR, Fondo de Obras Públicas. Supplied by ICF)
Date: 1925	

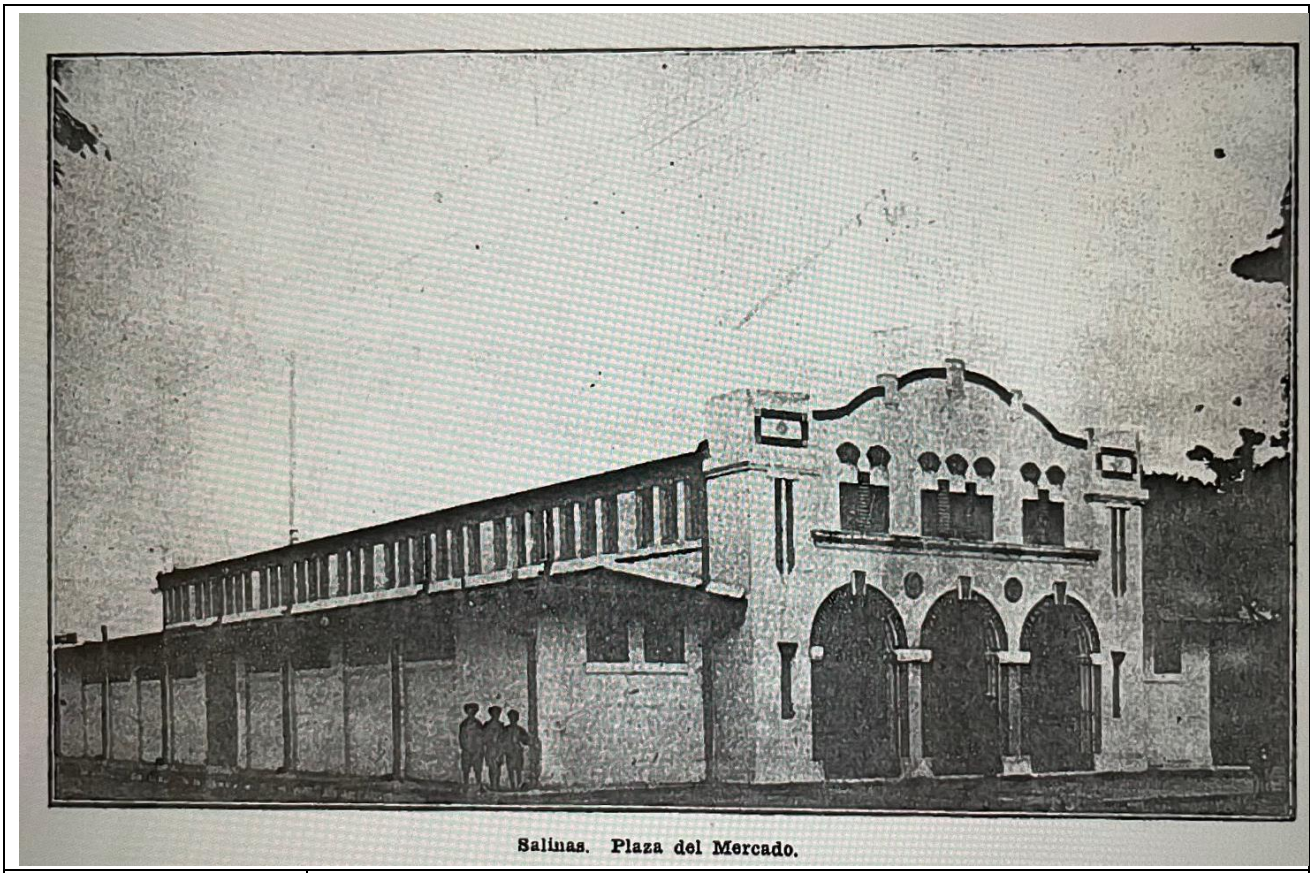
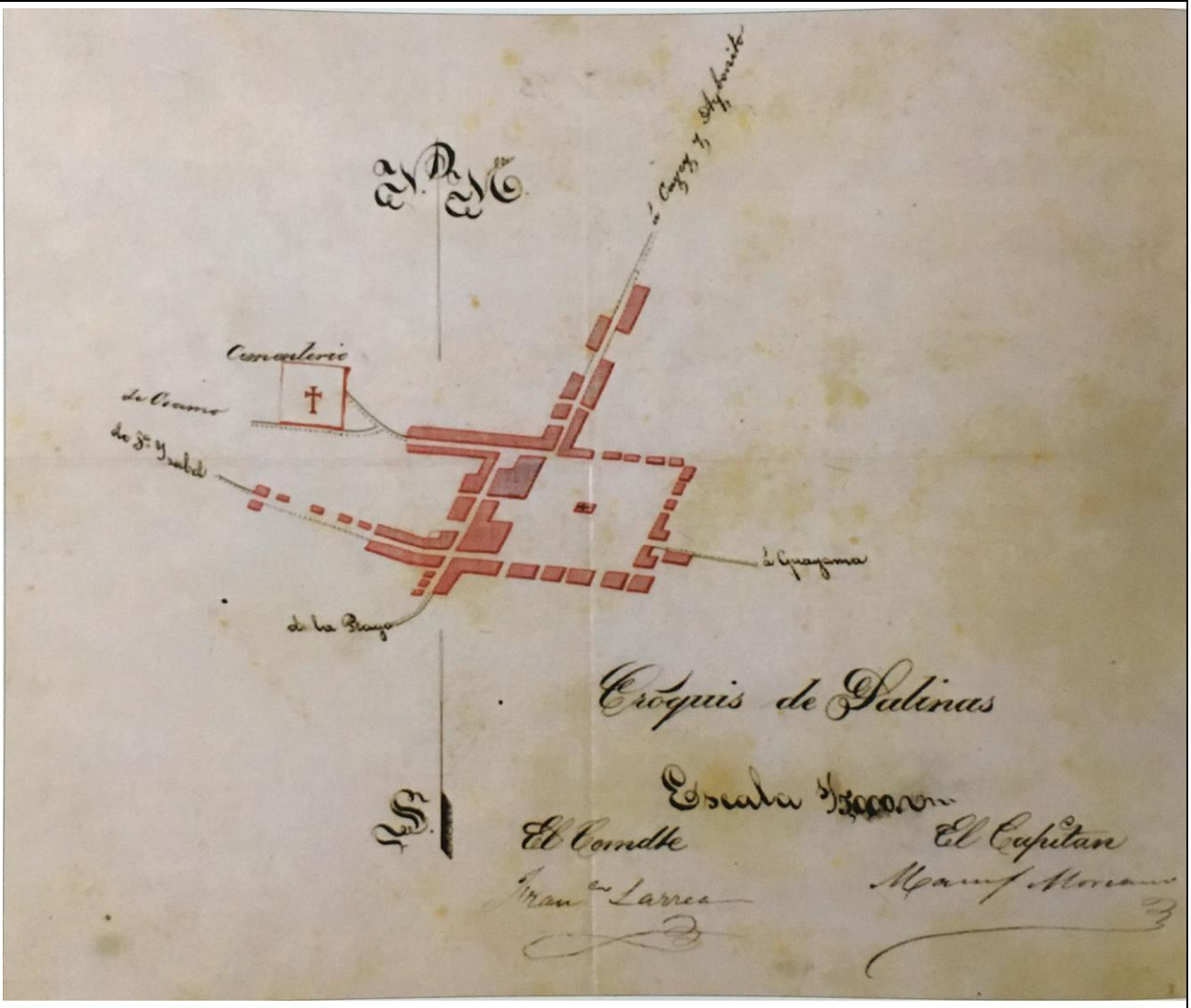


Photo #: 15	**Description (include direction):** Plaza del Mercado as published in Álbum de las Obras Públicas Municipales de Puerto Rico, 1919 a 1928, page 192. (AGPR, Fondo de Obras Públicas)
Date: Ca. 1925	

Fig. 9: 1930 Aerial photo of downtown Salinas
(S. A. Rodríguez Sosa, Encuentro al Sur. Salinas: Ediciones Abeyno)

Project location

Fig. 10: 1884 Plan of Salinas. (F. Larrea y Liso y M. Moriano y Vivó in Sepúlveda Rivera, Puerto Rico Urbano, Volume 3, page 332. San Juan: Carimar, 2004)



Architecture and Engineering Services for City Revitalization Program
Remodeling – Plaza del Mercado
Municipality of Salinas, Puerto Rico
ENE-001-2022-PR-CRP-000529 – 2022-000179

Scope of Work

The 1925 Salinas marketplace (Plaza del Mercado), located in the traditional urban center (Carr. #1, Esq. C. Victoria Mateo & C. Sanchez Lopez, Salinas) has been in constant operation since its construction. Natural disasters have affected both the structure and aesthetics of the historic property. The Municipality of Salinas is thus proposing the remodeling of the building to regain the Plaza's somewhat lost public favor and to attract tourism to the urban center.

The proposed project is centered on the execution of code-required work, resilience to expected natural hazards, upgrade existing electrical infrastructure, sustainability and the preservation of historic features and materials. The following interventions are expected to be included in the construction document for this project:

- Replacement of entire metal roof panels which have been damaged in the past with a new metal roof panel system which will incorporate insulation.

- Replacement of existing clerestory windows. These aluminum windows are not original, and many are broken or in a bad state. A new code compliant window and louver mix will be proposed to provide natural light and ventilation.

- Replacement of existing flooring and interior tile finishes. These materials are not original, and the project will specify new finishes which will be associated with the original finishes that would have been used.

- Redesign of existing bathrooms. While existing bathrooms were not part of the original construction, the project will completely redesign the existing spaces and bring them up to construction and accessibility (ADA) codes.

- Upgrade existing electrical and telecommunications infrastructure.

- Replace existing exterior lighting with updated and efficient light fixtures.
- Remodel exterior frontal plaza. Past architectural interventions have created an outdoor space which is fragmented and suffers from poor accessibility. This remodel will seek to simplify this outdoor space, add natural elements (new mid-growth trees) and improve accessibility.

The lot where the Plaza de Mercado is located has an approximate area of 1,517.8sq. mts. The building has an area of 594.8sq. mts. (6,403sq. ft).

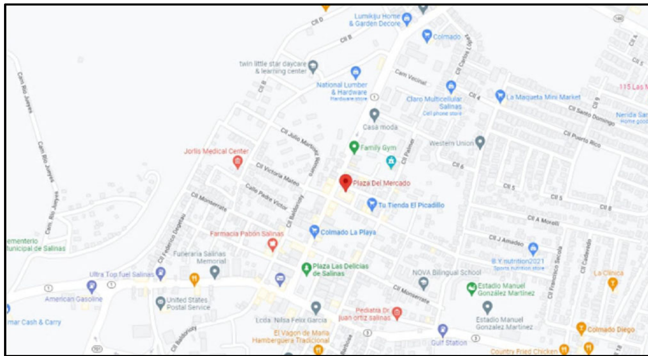
This project will not add any new interior areas, modify, or enlarge the existing building footprint. All interior spaces will remain in their actual use except for the relocation of the janitor room to an unoccupied interior office space.

P R E L I M I N A R Y   D R A W I N G S

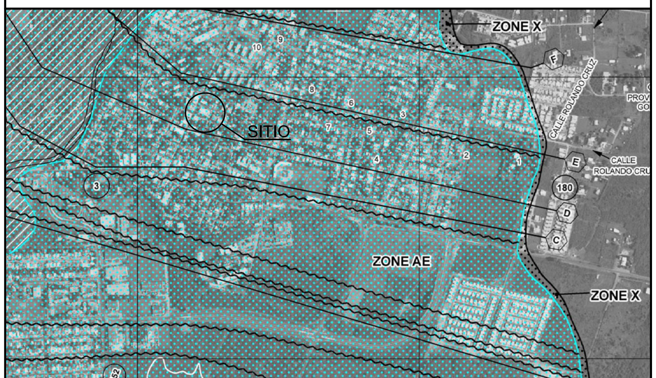
Programa Revitalizacion de Ciudades

Plaza del Mercado – REMODELACION

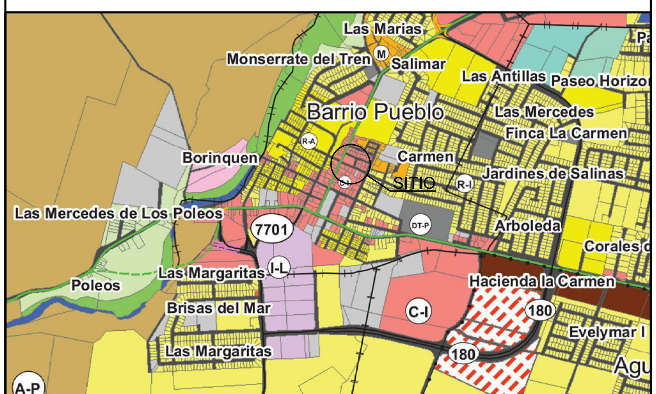
Luis Muñoz Rivera, Esq. Victoria Mateo, Salinas, Puerto Rico



V I C I N I T Y   M A P   SCALE: 1:2,000



F L O O D   M A P   SCALE: 1:10,000



L O C A T I O N   M A P   SCALE: 1:20,000

LIST OF DRAWINGS

DISTRITOS DE CALIFICACIÓN

AD: Área Desarrollada
A-G: Agrícola General
A-P: Agrícola Productivo
B-Q: Bosque
C-I: Comercial Intermedio
CR: Conservación de Recursos
CR-H: Conservación de Recursos Históricos
CT-I: Comercial Turístico Intermedio
CT-L: Comercial Turístico Liviano
DS: Desarrollo Selectivo
DT-G: Dotacional General
DT-P: Dotacional Parque
DTS: Desarrollo Turístico Selectivo
I-L: Industrial Liviano
I-P: Industrial Pesado
M: A Mejorarse
PF: Propiedad Federal
PR: Preservación de Recursos
R-A: Residencial de Alta Densidad
RC-M: Residencial Comercial Mixto
RC-E: Recreación Comercial Extensa
R-G: Rural General
R-I: Residencial Intermedio
RT-A: Residencial Turístico de Alta Densidad
SH: Sitios Históricos
UR: Terrenos Urbanizables

Calificación

A-G, A-P, AD, B-Q, C-I, CR, CR-H, CT-I, CT-L, DS, DT-G, DT-P, DTS, I-L, I-P, M, PF, PR, R-A, R-G, R-I, RC-E, RC-M, RT-A, SH, UR

Elemento Geográfico

Cuerpo de Agua
Sistema Vial
Límite Reserva Natural Pianadas - Yayesa
Zona de Interés Turístico
Límite Municipio
Límite Barrio

RED PRIMARIA
RED PRIMARIA URBANA EN DISEÑO
RED PRIMARIA URBANA
RED PRIMARIA EN DISEÑO
RED SECUNDARIA
RED SECUNDARIA EN DISEÑO
RED TERCIARIA
RED EN CONSTRUCCION
RED PROPUESTA
RED PROPUESTA EN EVALUACION
RAMPAS DE ACCESO
CONECTOR INTERMODAL
CAMINO MUNICIPAL ROTULADO
CARRIL REVERSIBLE

Plaza del Mercado – REMODELACION
Luis Muños Rivera, Esq. Victoria Mateo, Salinas, P.R.

PRELIMINARY SET

Yo, Arq. Bernardo A. Marqués, Lic. # 15647 certifico que soy el profesional que diseñó estos planos y las especificaciones complementarias. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con juridicción. Reconozco que cualquier falsa o falsificación de los hechos que se haya producido sin conosimiento o por negligencia ya sea por mi, mis agentes o empleados, o por otras personas con mi conocimiento me hacen responsable de cualquier acción judicial y disciplinaria por la OIGPe y otras autoridades competentes, incluyendo, pero sin limitarse, a la terminación de la participación en los procedimientos de certificación profecional en la OIGPe.

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MARQUES + MARQUES ARQUITECTOS

C.A.A.P.P.R.
A.I.A.

9/13/2022

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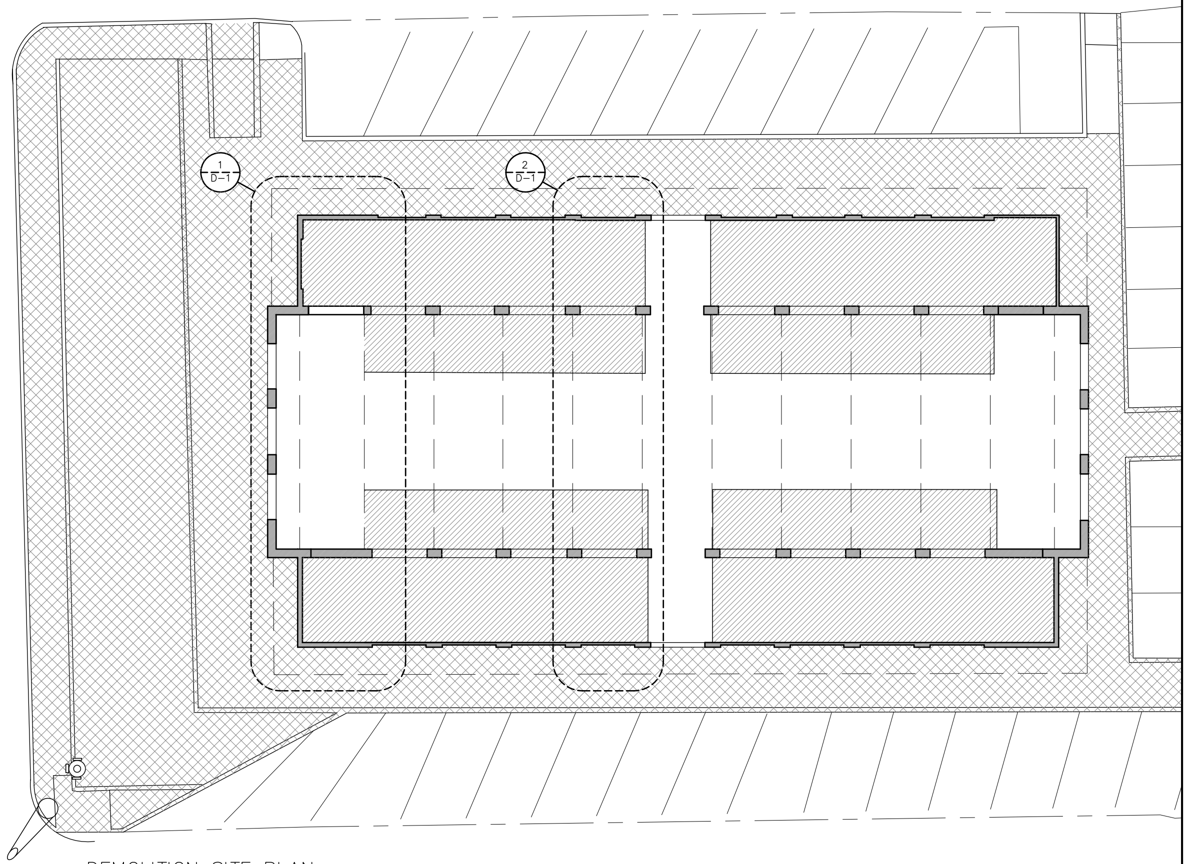
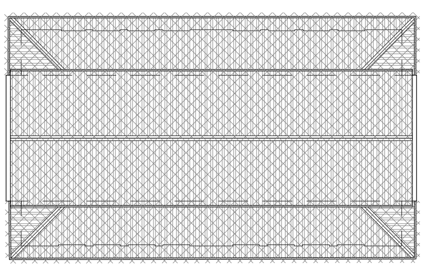


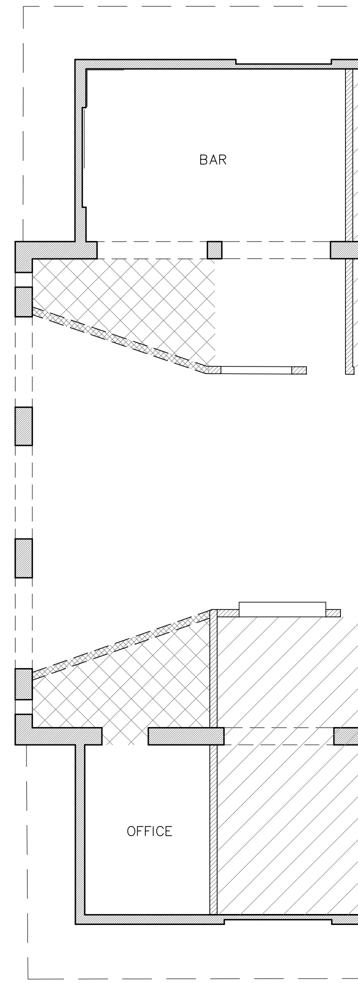
DEMOLITION SITE PLAN
SCALE : 1/8"=1'-0"

EXTERIOR FLOORING/SIDEWALK AREA TO BE REFINISHED OR DEMOLISHED



ROOF PLAN
SCALE : 1/16"=1'-0"

CORRUGATED METAL ROOF TO BE REMOVED. APPLIES ONLY TO ROOF, NOT INTERIOR METAL STRUCTURE COMPONENTS. SEE NOTES ON REMOVAL OF EXTERIOR CABLES, SAT. DISHES ETC.

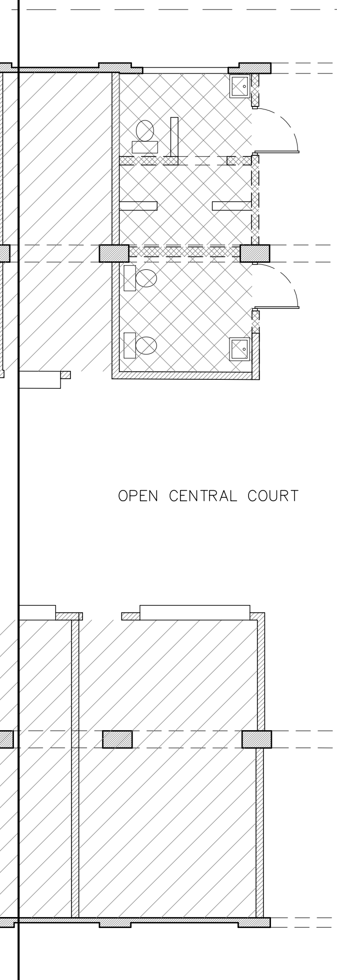


1 / D-1 DEMOLITION PLAN
SCALE : 1/4"=1'-0"

LEGEND

- EXISTING WALL
- EXISTING WALL
- EXISTING INTERIOR LOCAL
- EXISTING OVERHAND (ROOF LINE)
- AREA TO BE DEMOLISHED
- EXISTING WALL TO BE DEMOLISHED

NOTE:
ALL EXISTING FLOOR FINISH IN INTERIOR OPEN CENTRAL COURT SHALL BE REMOVED. INTERIOR FL. ELEVATIONS/SLOPES ARE TO BE PRESERVED FOR PROPER DRAINAGE.



2 / D-1 DEMOLITION PLAN
SCALE : 1/4"=1'-0"

NO.	REVISION	DATE
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Plaza del Mercado — Remodelacion
Luis Muñoz Rivera, Esc. C. Victoria Mateo, Salinas, PR

Demolition Plan

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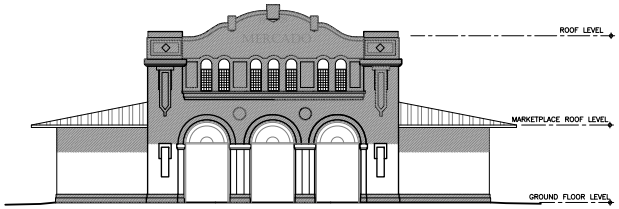
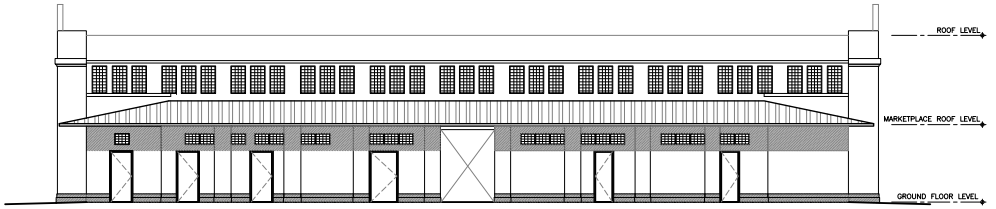


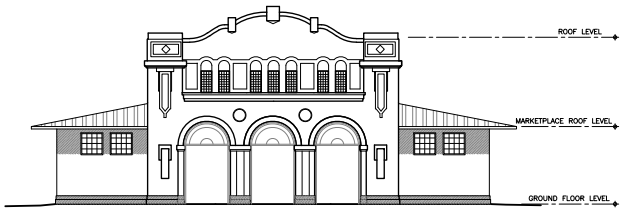
FRONT
SOUTH ELEVATION
SCALE : 1/8"=1'-0"



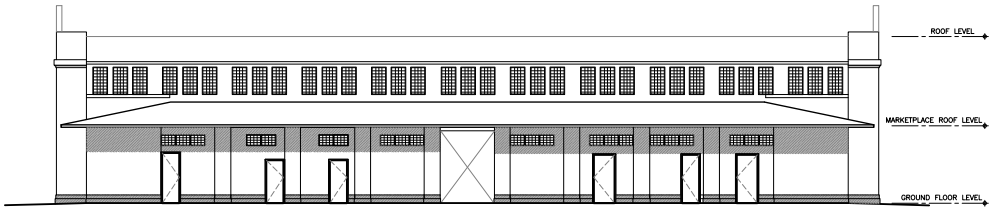
WEST ELEVATION
SCALE : 1/8"=1'-0"

LEGEND

EXTERIOR WALL SURFACE TO RECEIVE ENCAPSULANT/SEALANT



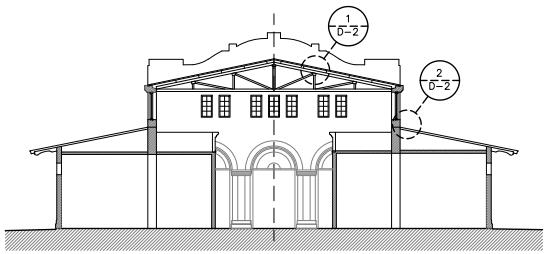
REAR
NORTH ELEVATION
SCALE : 1/8"=1'-0"



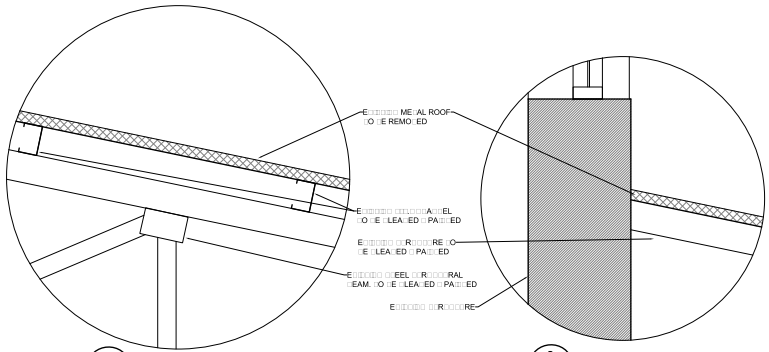
EAST ELEVATION
SCALE : 1/8"=1'-0"

NOTES:

1. DESIGNATED EXTERIOR WALL AREAS TO RECEIVE ENCAPSULANT/SEALER SHALL NOT BE CHIPPED SCRATCHED OR DAMAGED.
2. USE FIBERLOCK TECHNOLOGIES (800-342-3755), LBC PROFESSIONAL LEAD ENCAPSULAT/SEALANT TYPE III IN WHITE.
3. FOLLOW ALL SURFACE PREPARATION AND INSTALLATION MANUFACTURERS SPECIFICATIONS.
4. INSTALL TO MANUFACTURERS SPECIFIED THICKNESS.
5. DESIGNATED AREAS TO BE ENCAPSULATED/SEALED AS ILLUSTRATED IN "LEAD-BASED PAINT SURVEY REPORT, PLAZA DEL MERCADO, APRIL 2022 by CHES SERVICES (No.C4462)



AS-BUILT SECTION
SCALE : 1/8"=1'-0"



1 / D-2 DETAIL
SCALE : 1 1/2"=1'-0"

2 / D-2 DETAIL
SCALE : 1 1/2"=1'-0"

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NO.	REVISION	DATE

Plaza del Mercado – Remodelacion
Luis Muñoz Rivera, Esc. C. Victoria Mateo, Salinas, PR

Encapsulant/Sealer Elevations

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9/13/2022

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GENERAL NOTES:

1. THE GENERAL CONTRACTOR SHALL PROVIDE A SUPERINTENDENT ON-SITE DURING ALL PHASES OF CONSTRUCTION.
2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL DIMENSIONS REPRESENTED IN THESE DRAWINGS. ANY DISCREPANCIES BETWEEN DIMENSIONS ILLUSTRATED HERE AND EXISTING SHALL BE BROUGHT TO THE ARCHITECTS ATTENTION.
3. THE CONTRACT DOCUMENTS CONSIST OF THIS SET OF DRAWINGS, CONSTRUCTION TECHNICAL SPECIFICATIONS, ADDENDA, CONSTRUCTION CHANGE DIRECTIVES, CHANGE ORDERS, THE CONTRACT BETWEEN THE OWNER AND CONTRACTOR, CONDITIONS OF THE CONTRACT AND ANY OTHER INFORMATION WRITTEN AND MUTUALLY AGREED UPON BETWEEN THE OWNER AND CONTRACTOR.
4. THESE DRAWINGS ARE COMPLIMENTARY AND INTERRELATED. THE WORK OF ANY INDIVIDUAL TRADE IS NOT NECESSARILY CONFINED TO SPECIFIC DOCUMENTS, CHAPTERS OR LOCATIONS.
5. GC TO NOTIFY THE ARCHITECT IMMEDIATELY USING THE DESIGNATED "REQUEST FOR INFORMATION" PROCEDURE IF DISCREPANCIES OR INCONSISTENCIES IN THE DOCUMENTS ARE DISCOVERED.
6. CONSTRUCTION TECHNIQUES, METHODS, PROCEDURES, SEQUENCING AND SCHEDULING ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
7. IT IS THE INTENT OF THE CONTRACT DOCUMENTS TO COMPLY WITH ALL CODES AND ORDINANCES IN EFFECT AT THE TIME THE PERMIT IS ISSUED. NOTIFY THE ARCHITECT IMMEDIATELY UPON DISCOVERY OF SUSPECTED DEVIATION.
8. ALL PENETRATIONS IN RATED CONSTRUCTION ARE TO BE SEALED WITH APPROPRIATE MATERIALS AS INDICATED BY THE DOCUMENTS OR OTHERWISE REQUIRED BY INSPECTORS OR APPLICABLE CODES AND ORDINANCES.
9. DO NOT SCALE DRAWINGS. USE DIMENSIONS ONLY. NOTIFY ARCHITECT OF ALL SIGNIFICANT DISCREPANCIES IMMEDIATELY UPON DISCOVERY.
10. GC TO COORDINATE ALL PENETRATIONS WITH EXISTING STRUCTURE AND NOTIFY ARCHITECT OF RECORD OF ANY CONFLICTS PRIOR TO COMMENCING THE WORK.
11. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING FACILITY DIRECTOR FOR SPECIFIC INSURANCE REQUIREMENTS.
12. THE LANDLORD SHALL RESERVE THE RIGHT TO STOP ANY CONSTRUCTION AT ANY TIME FOR SAFETY OR AESTHETIC REASONS OR IF CONTRACTORS AND SUB CONTRACTORS VIOLATE ANY OF THE RULES OR POLICIES OF THE MUNICIPALITY.
13. LAYOUT OF ANY "NEW" TENANT SPACE SHALL BE PERFORMED IN ACCORDANCE WITH THE LANDLORD'S "SPACE LAYOUT" BY THE CONTRACTOR DESIGNATED BY THE LANDLORD, FOLLOWING DEMOLITION OF ALL EXISTING CONSTRUCTION REQUIRED FOR SUCH INSTALLATION (BY TENANT AT TENANTS EXPENSE).
14. CONSTRUCTION BARRICADE TO BE PROVIDED BY GC. GENERAL CONTRACTOR MUST DUST-PROOF AND PROTECT ALL TENANT SERVICE WINDOWS/DOORS PRIOR TO START OF CONSTRUCTION.
15. VERIFY BARRIER - FREE (ADA) REQUIREMENTS.
16. ONE SET OF LANDLORD APPROVED CONSTRUCTION DRAWINGS MUST REMAIN AT THE CONSTRUCTION SITE AT ALL TIMES.
17. THIS PROJECT INCLUDES THE REPLACEMENT OF VITAL BUILDING INFRASTRUCTURE AND COMPONENTS. AS SUCH, CURRENT TENANT'S CANNOT OPERATE EXISTING RENTED PREMISES WHILE CONSTRUCTION OR RETROFITTING OF MAIN COMPONENTS IS UNDERWAY (EX. ROOFING, INTERIOR FLOORING, TOILET ROOMS, ELECTRICAL SUBSTATION UPGRADE).
18. THE GC SHALL SUBMIT IN WRITING A CONSTRUCTION SCHEDULE FOR THE MUNICIPALITY TO COORDINATE CURRENT TENANTS USE OF PREMISES.

DEMOLITION

1. COORDINATE ALL DEMOLITION AND DEBRIS REMOVAL WITH FACILITIES MANAGEMENT PRIOR TO START.
2. ALL PREVIOUS TENANT IMPROVEMENTS, FIXTURES AND SYSTEMS NOT TO BE REUSED SHALL BE REMOVED. REMOVE ALL EXISTING UTILITIES, NOT BEING REUSED, BACK TO LANDLORD'S POINT-OF-CONNECTION AND CAPPED AS REQUIRED. LEAVE ALL REMAINING CONSTRUCTION IN SAFE STATE. DO NOT ABANDON SYSTEMS OR PREVIOUS IMPROVEMENTS.
3. THE GENERAL CONTRACTOR SHALL PROVIDE PROTECTION FOR ALL LANDLORD'S SYSTEMS AND FINISHES DURING DEMOLITION AND THROUGHOUT ALL PHASES OF CONSTRUCTION. COORDINATE PROTECTIVE MEASURES WITH CENTER FACILITIES DIRECTOR.

SITE

1. ALL EXPOSED AGGREGATE EXTERIOR SIDEWALK FINISH SHALL BE REMOVED AND REPLACED WITH BROOM FINISHED CEMENT FINISH. SEE ARCHITECTURAL DRAWINGS FOR EXPANSION JOINT PATTERNS. THIS APPLIES TO ALL FOUR EXTERIOR SIDES OF SITE.
2. ALL REFINISHED SIDEWALK SURFACES SHALL MAINTAIN EXISTING ELEVATIONS UNLESS SPECIFICALLY REVISED IN CONSTRUCTION PLANS.
3. ALL EXISTING EXTERIOR STORM WATER DRAIN RUNS SHALL BE REPLACED WITH NEW STORM WATER DRAIN PIPES WITH DIRECT DISCHARGE TO STREET LEVEL.

INTERIOR

1. COORDINATE WITH MUNICIPALITY DEMOLITION SCHEDULE AND SITE ACCESS PRIOR TO START.
2. ALL EXISTING FLOORING IN INTERIOR OPEN COURTYARD SHALL BE REMOVED AND REPLACED WITH NEW CEMENT FLOORING AS PER ARCHITECTURAL NOTES, DRAWINGS AND SPECIFICATIONS.
3. MAINTAIN EXISTING INTERIOR FLOOR SLOPES FOR PROPER WATER DRAINAGE. REPLACE ALL FLOORING DRAIN GRATES WITH NEW BRASS DRAIN GRATES OF IDENTICAL SIZE. TO BE APPROVED BY ARCHITECT.
4. REPLACE ELECTRICAL JUNCTION BOXES WITH EXTERIOR GRADE, BRASS FACED ELECTRICAL JUNCTION BOX WITH LOCKABLE ACCESS DOOR.
5. LEVEL REMODELED TOILET ROOMS WITH CORRESPONDING OPEN COURTYARD LEVEL. REMODELED TOILET ROOMS FINISHED FLOOR LEVEL SHALL MATCH THAT OF OPEN COURTYARD ACCESS.
6. EXISTING METAL ROOF TO BE REMOVED. THIS APPLIES TO EXISTING CORRUGATED METAL ROOF ONLY. NO STRUCTURAL COMPONENTS (BEAMS, ANGLES, ETC.) OF ROOF ARE TO BE REMOVED.
7. CAREFULLY CLEAN/SCRAPE EXISTING STRUCTURAL STEEL ROOF COMPONENTS. FINISH WITH CORROSION INHIBITING PRIMER & PAINT IN COLOR TO BE APPROVED BY ARCHITECT.
8. COMPLETELY CLEAN ALL INTERIOR WINDOW SILLS AFTER REMOVAL OF EXISTING WINDOWS AND PRIOR TO INSTALLATION OF NEW WINDOWS.
9. DEMOLISH INTERIOR ARCHITECTURAL PARAPET AS SHOWN IN ARCHITECTURAL DRAWINGS. REPLACE WITH NEW CONTINUOUS C.M.U. CORNICE. SEE ARCHITECTURAL PLANS.
10. ALL INTERIOR SURFACES AFFECTED BY PARTIAL DEMOLITIONS SHALL BE RESTORED AND REFINISHED AS PER FINISH SCHEDULE.

BUILDING EXTERIOR

1. ALL EXTERIOR AERIAL CABLE CONNECTIONS FOR DATA/TELEPHONE/CTV SERVICE SHALL BE REMOVED. COORDINATE WITH PROVIDER AND REMOVE CABLES AT CONNECTION SOURCE OUTSIDE OF BUILDING.
2. ALL EXTERIOR DISH/ANTENNAS SHALL BE REMOVED AND RETURNED TO INTERIOR TENANTS.
3. ALL EXTERIOR ROOF MECHANICAL VENTS SHALL BE REMOVED AND RETURNED TO CORRESPONDING TENANTS.
4. GENERAL CONTRACTOR TO PROVIDE NEW INTERIOR CONNECTION POINT FOR DATA/TELEPHONE/CTV INSIDE BUILDING (SEE ELECTRICAL DRAWING SET) FOR INTERIOR TENANTS.

TENANT COORDINATION

1. THE MUNICIPALITY WILL COORDINATE WITH EXISTING INTERIOR TENANTS SITE ACCESS PRIOR TO START OF INTERIOR DEMOLITION WORK.
2. THE GENERAL CONTRACTOR MUST SUBMIT A DEMOLITION & CONSTRUCTION SCHEDULE PRIOR TO START OF THE REMODELING.
3. ALL INTERIOR TENANTS/BUSINESSES MUST REMAIN CLOSED DURING WORK ON THE ROOF AND INTERIORS. ACCESS TO INTERIOR TENANT SPACES MUST BE COORDINATED WITH THE GENERAL CONTRACTOR AND MUNICIPALITY.
4. ANY ACCESS TO THE INTERIOR OF THE EXISTING TENANTS LOCATION THAT IS PART OF THIS PROJECT, MUST BE COORDINATED WITH ALL STAKEHOLDERS BEFORE THE START OF ANY WORK.

CONSTRUCTION

1. CONFIRM LEASE LINE CONFIGURATION WITH LANDLORD PROVIDED SPACE LAYOUT.
2. ALL TRANSITIONS BETWEEN DISSIMILAR FLOOR MATERIALS MUST BE FLUSH AND LEVEL. NO REDUCTION STRIPS SHALL BE PERMITTED.
3. ALL FINISHES SHALL BE PER THOSE IN THE ARCHITECTURAL SCHEDULE OR APPROVED BY LANDLORD. NO SUBSTITUTIONS WILL BE PERMITTED WITHOUT PRIOR CONSENT FROM THE LANDLORD.

CEILING

1. GYPSUM BOARD CEILING SYSTEMS SHALL USE ½" HI STRENGTH CEILING BOARD WITH GALVANIZED STEEL STUDS (16"O.C.)
2. FINISH ALL CEILING GRILLES, TRACKS, DIFFUSERS, LIGHT TRACKS, ETC. TO MATCH ADJACENT CEILING FINISH.
3. PROVIDE SERVICE ACCESS PANELS IN ALL HARD-SURFACE CEILING AND IN AREAS WHERE ACCESS IS REQUIRED FOR MECHANICAL EQUIPMENT, SIGNS, ETC. PANELS SHOULD BE FLUSH-MOUNTED AND EMPLOY ONLY CONCEALED-TYPE HARDWARE.

MECH, ELEC, LIFE-SAFETY

1. SUBMIT MECHANICAL AND ELECTRICAL DATA TABULATION FORMS FILLED OUT (COMPLETELY) AND CERTIFIED BY THE APPROPRIATE ENGINEER.
2. NO PVC/DWV ABOVE SLAB UNLESS IN AN APPROVED RATED ENCLOSURE. FOOD USE TENANTS TO PROVIDE TRAP PRIMERS IN ALL FLOOR DRAINS.
3. UTILITY METERS (WHERE APPLICABLE) SHALL BE PER UL SPECIFICATION AND LOCATED IN AN ACCESSIBLE LOCATION.
4. PROVIDE INSULATION ON ALL COLD WATER AND CONDENSATE/DRAIN LINES. DO NOT OUTFALL ON ROOF OR ANY MALL SURFACE.
5. ALL WIRING TO BE IN RIGID CONDUIT OR EMT.
6. NO TENANT ROOF MOUNTED EQUIPMENT IS TO REMAIN ON NEW STEEL ROOF EXCEPT APPROVED VENTILATORS/EXTRACTORS THAT HAVE BEEN COORDINATED WITH ARCHITECT.
7. ALL AERIAL TELEPHONE/CTV CONNECTIONS ARE TO BE REMOVED. PROVIDE NEW CONNECTION POINT FOR TENANTS FROM NEW TELECOMMUNICATIONS CLOSET.

STRUCTURAL

1. ALL STRUCTURAL MODIFICATIONS TO THE BUILDING OR BUILDING'S STRUCTURAL SYSTEM (OF ANY TYPE) REQUIRE APPROVAL FROM THE LANDLORD/LANDLORD'S STRUCTURAL ENGINEER. SUBMIT DETAILS, DOCUMENTATION, AND LOAD CALCULATIONS DIRECTLY TO LANDLORD FOR REVIEW AND APPROVAL.
2. THIS PROJECT DOES NOT CONTEMPLATE ANY STRUCTURAL MODIFICATIONS TO THE EXISTING BUILDING.

NO.	REVISION	DATE

Plaza del Mercado – Remodelacion
Luis Muñoz Rivera, Esq. C. Victoria Mateo, Salinas, PR

Notes

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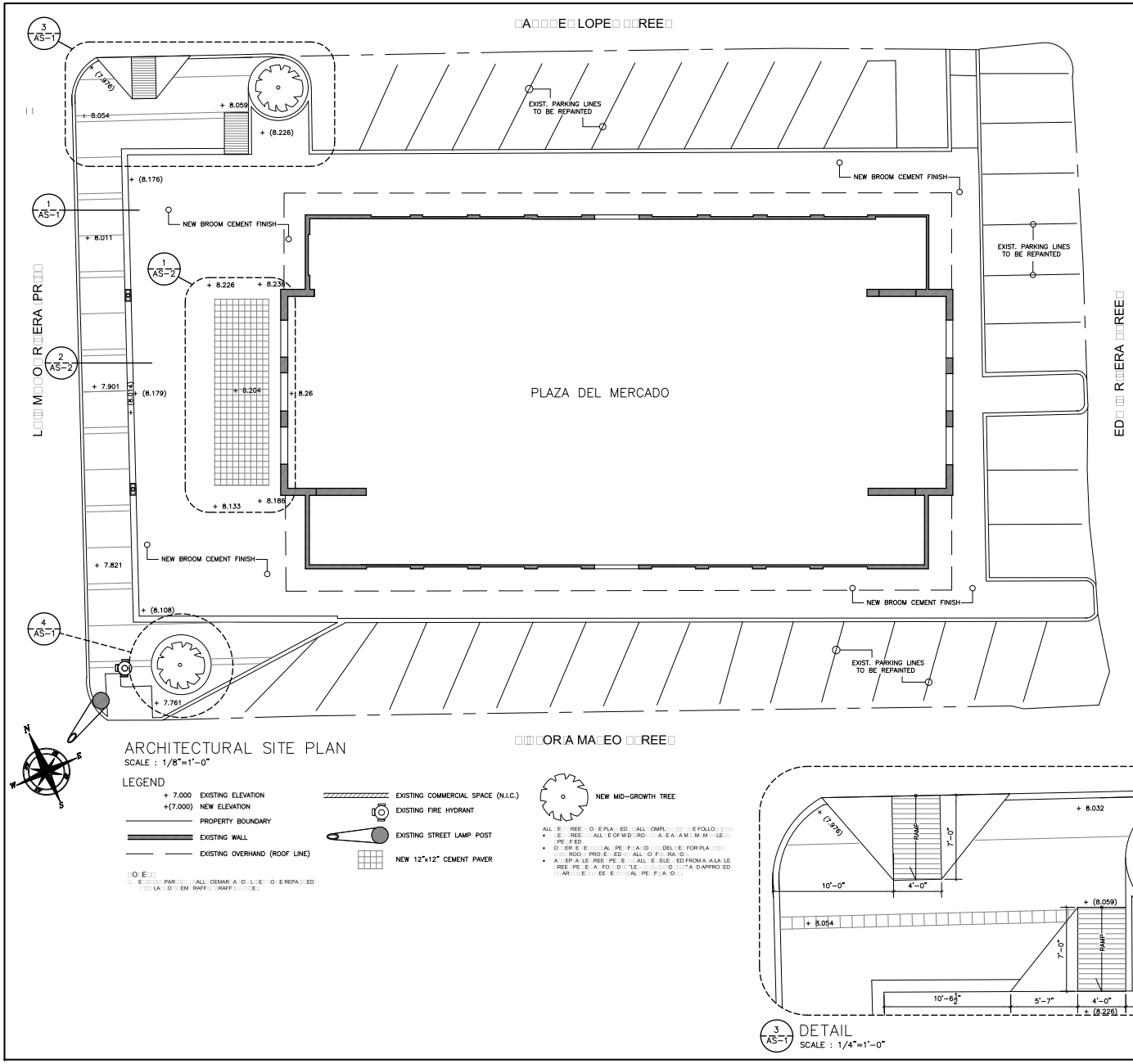
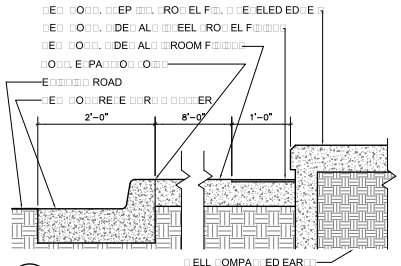


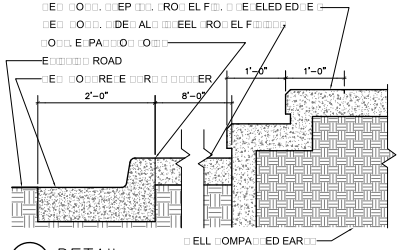
ARCHITECTURAL SITE PLAN
SCALE : 1/8"=1'-0"

LEGEND

+ 7.000	EXISTING ELEVATION
+(7.000)	NEW ELEVATION
	PROPERTY BOUNDARY
	EXISTING WALL
	EXISTING OVERHAND (ROOF LINE)
	EXISTING COMMERCIAL SPACE (N.I.C.)
	EXISTING FIRE HYDRANT
	EXISTING STREET LAMP POST
	NEW 12"x12" CEMENT PAVER
	NEW MID-GROWTH TREE

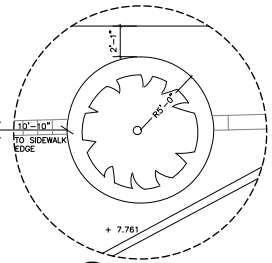


1 AS-1 DETAIL
SCALE : 1"=1'-0"



2 AS-1 DETAIL
SCALE : 1"=1'-0"

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



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

NO.	REVISION	DATE

Plaza del Mercado – Remodelacion
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Architectural Site Plan

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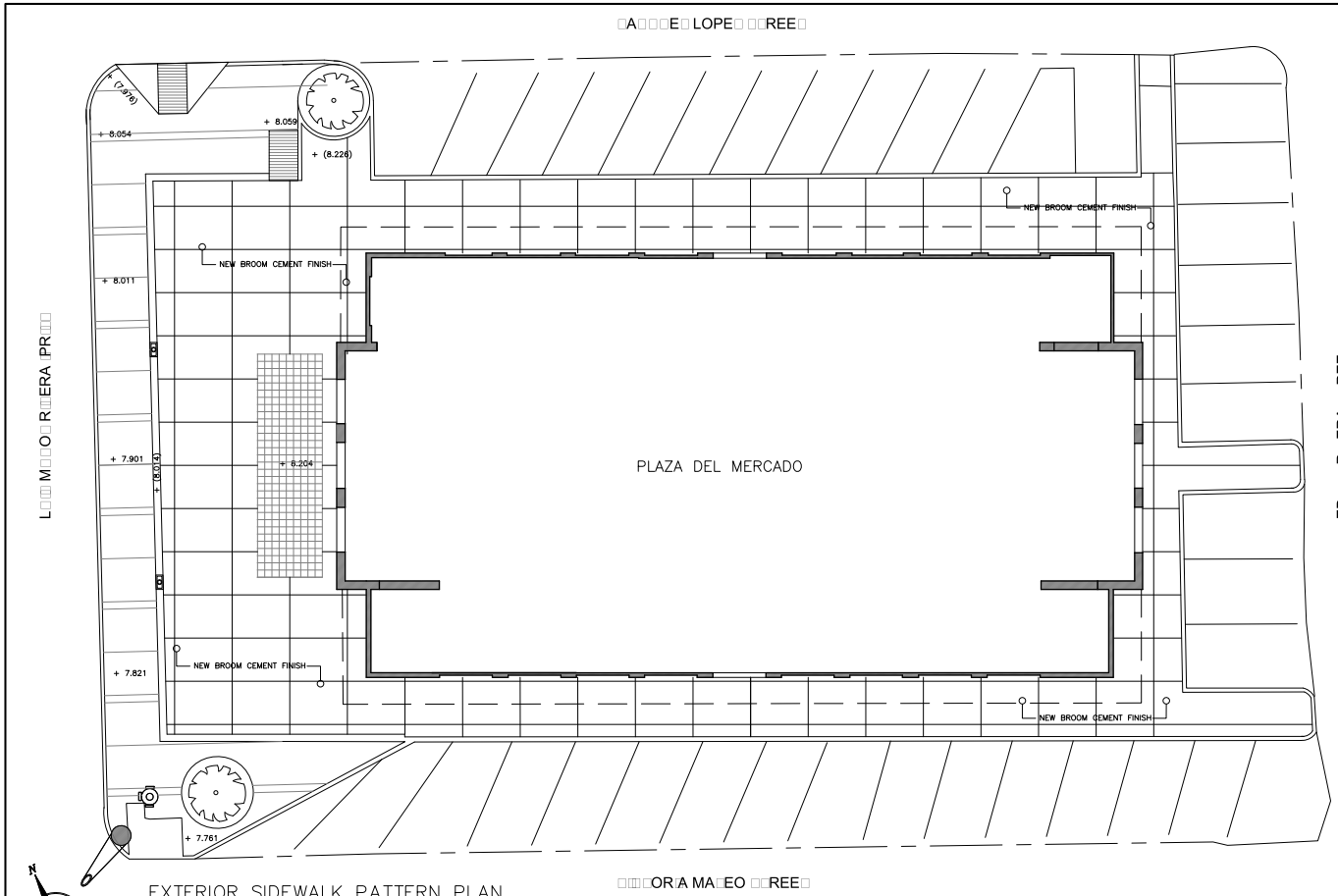
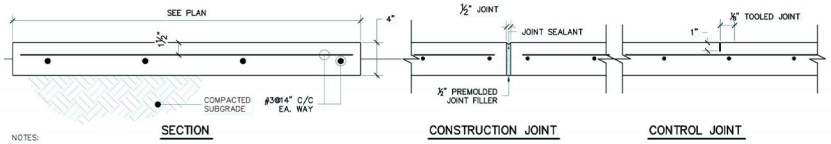


EXTERIOR SIDEWALK PATTERN PLAN

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

LEGEND

+ 7.000 EXISTING ELEVATION
+(7.000) NEW ELEVATION
PROPERTY BOUNDARY
EXISTING WALL
EXISTING OVERHAND (ROOF LINE)
EXISTING COMMERCIAL SPACE (N.I.C.)
EXISTING FIRE HYDRANT
EXISTING STREET LAMP POST
NEW MID-GROWTH TREE
NEW 12"x12" CEMENT PAVER

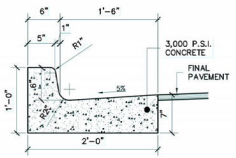


NOTES:

1. CONCRETE STRENGTH FOR SIDEWALK SHALL BE 3000 PSI.
2. PROVIDE TOOLED CONTROL JOINTS @ 5'-0" ON CENTER. A MINIMUM DEPTH OF 1" SHALL BE OBTAINED AND ⅜" WIDTH.
3. PROVIDE ½" EXPANSION JOINTS @ 50'-0" ON CENTER WITH ½" PREMOLDED JOINT FILLER & JOINT SEALANT.
4. WHERE SIDEWALK ABUTTS EXISTING OR PROPOSED FIXED OBJECTS PROVIDE ½" EXPANSION JOINT WITH PREMOLDED JOINT FILLER & JOINT SEALANT.

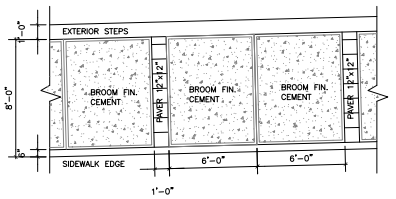
TYPICAL SIDEWALK & CONTROL JOINT DETAILS

SCALE: 1-1/2"=1'-0"



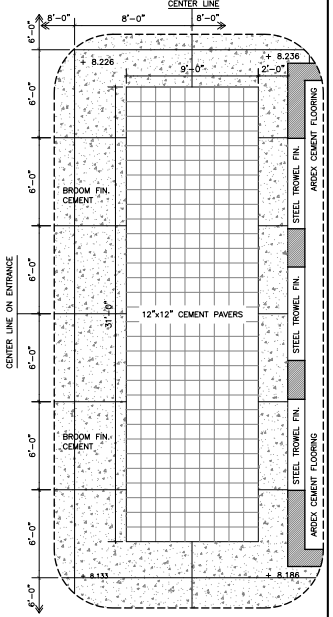
CONCRETE CURB AND GUTTER DETAIL

SCALE: 1"=1'-0"



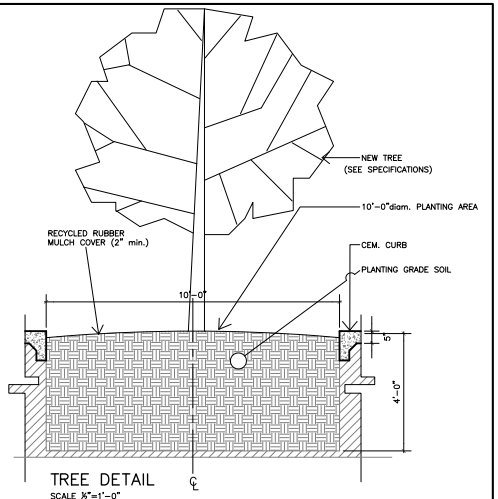
TYPICAL SIDEWALK DETAIL

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



1/AS-2 DETAIL

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



TREE DETAIL

SCALE ⅜"=1'-0"

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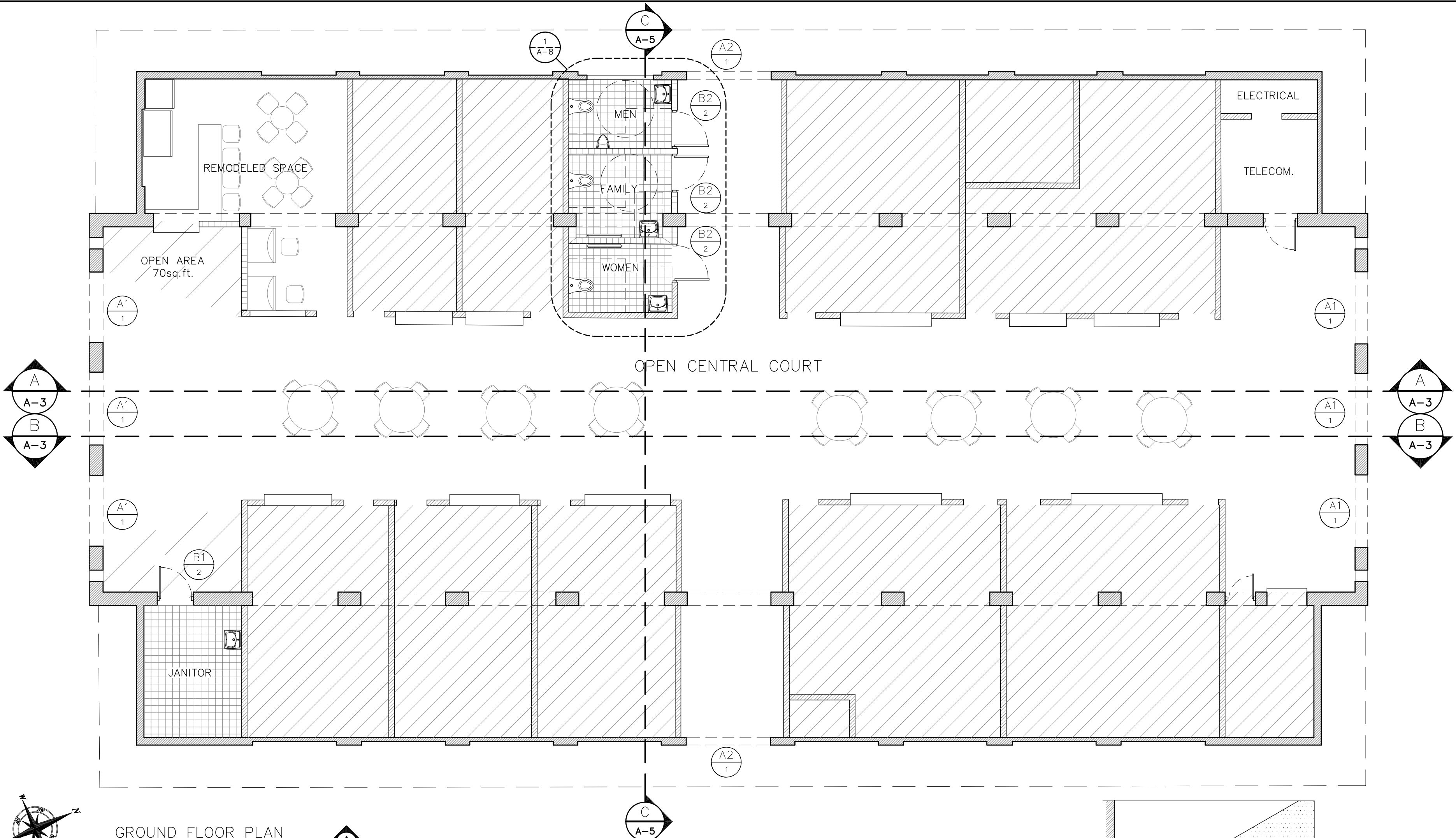


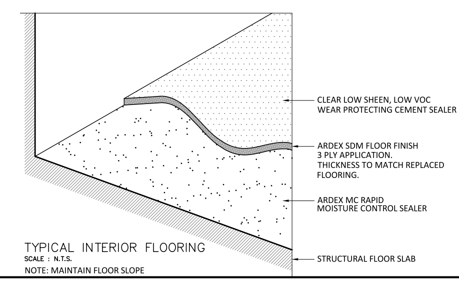
GROUND FLOOR PLAN

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

LEGEND

- EXISTING WALL
- EXISTING WALL
- NEW CMU WALL
- EXISTING OVERHAND (ROOF LINE)
- EXISTING COMMERCIAL SPACE (N.I.C.)

- BUILDING SECTION (DRAWING NUMBER)
- WALL SECTION NUMBER DESIGNATION — WALL SECTION (DRAWING NUMBER)
- LETTER & NUMBER DESIGNATION — DETAIL (DRAWING NUMBER)
- AREA FINISHES
- WINDOW IDENTIFICATION (SEE WINDOW SCHEDULE)
- DOOR NUMBER — DOOR IDENTIFICATION (HARDWARE)
- F.F.E. — FINISH FLOOR ELEVATION
- LEVEL
- N.I.C. — NOT INCLUDED IN CONTRACT
- FLOOR WHERE ROOM OR SPACE APPEARS — ROOM OR SPACE IDENTIFICATION (ROOM OR SPACE SEE SCHEDULE OF FINISHES)
- LETTER & NUMBER DESIGNATION — INTERIOR ELEVATION DRAWING NUMBER



TYPICAL INTERIOR FLOORING

SCALE : N.T.S.

NOTE: MAINTAIN FLOOR SLOPE

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Architectural Plan

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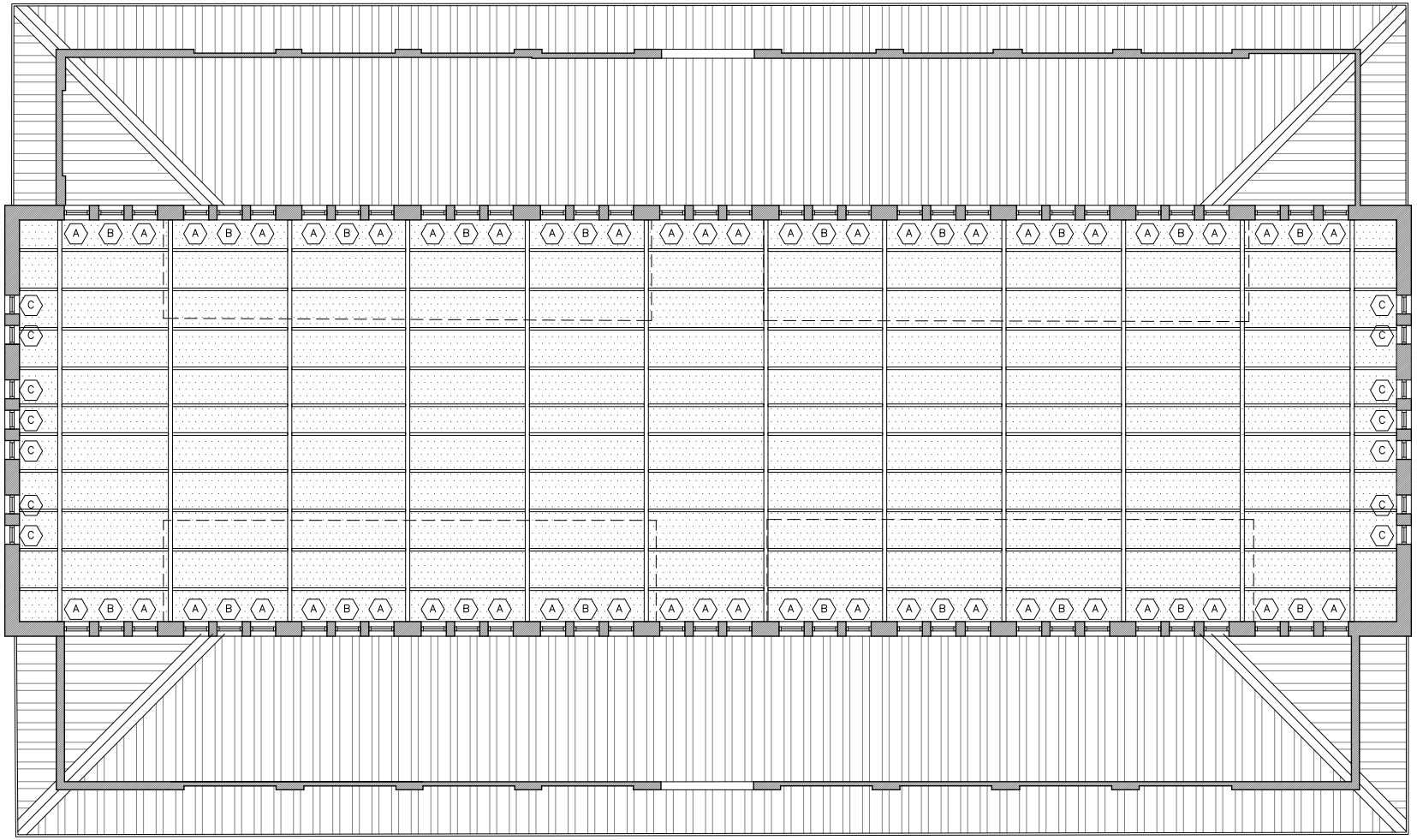
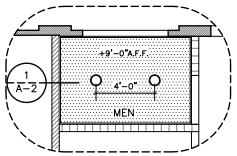


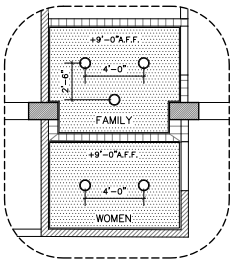
REFLECTED CEILING PLAN
SCALE : 1/4"=1'-0"

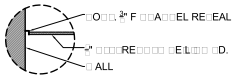
LEGEND

- EXISTING WALL
- EXISTING WALL
- EXISTING COMMERCIAL SPACE (N.I.C.)
- EXISTING METAL ROOF
- NEW ROOF INSULATION
- 4" STEEL OPEN JOIST
- EXISTING ROOF STRUCTURE
- METAL PURLING
- NEW GYPSUM BD. CEILING
- +9'-0"A.F.F. NEW CEILING ELEVATION
- NEW LIGHT FIXTURE (SEE SCHEDULE)



TOILET ROOMS REFLECTED CEILING
SCALE : 1/4"=1'-0"





1/A-2 TYPICAL CEILING DETAIL
SCALE : 1"=1'-0"

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Reflected Ceilingl Plan

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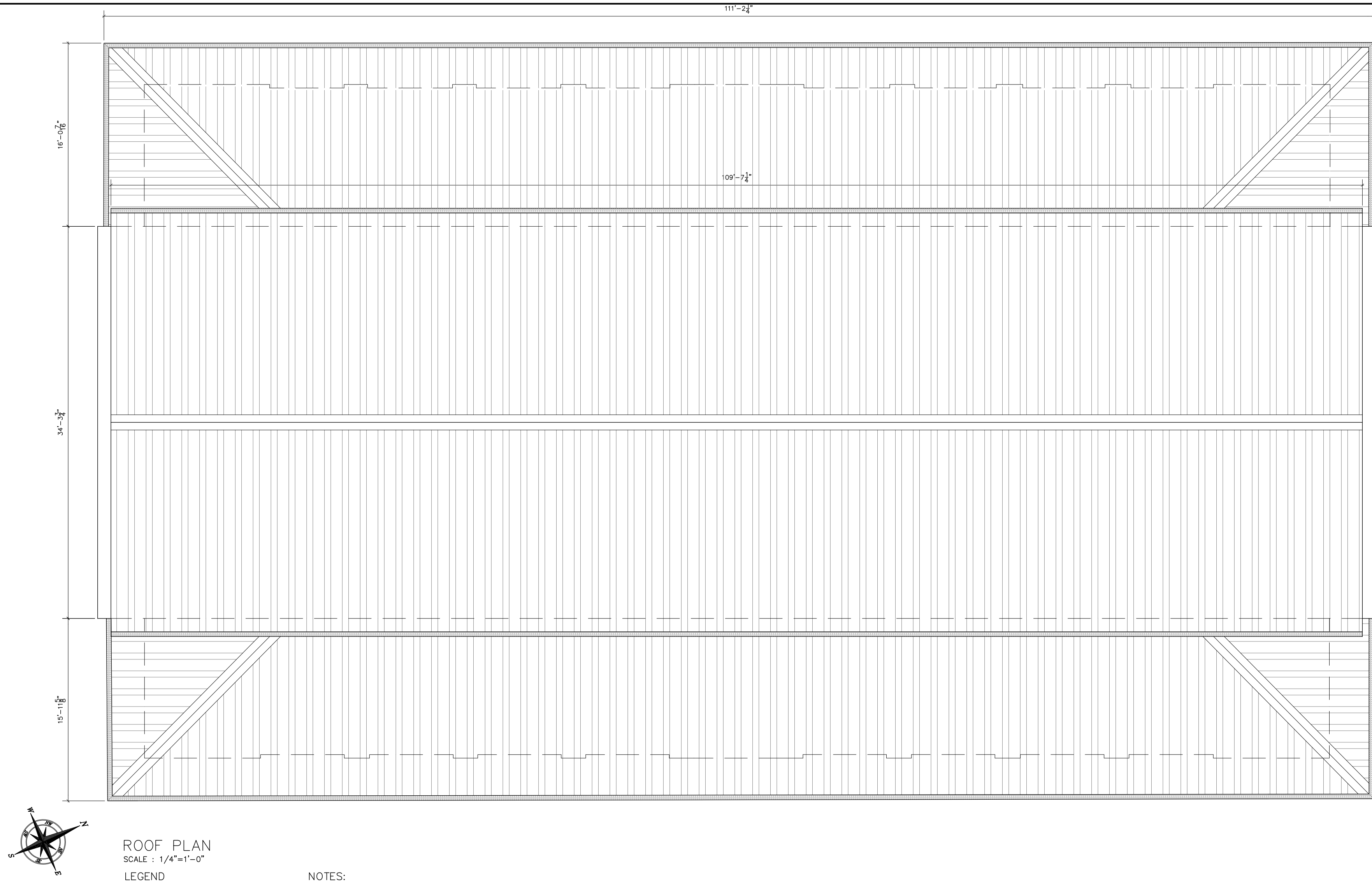

ROOF PLAN

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

LEGEND

- EXISTING WALL
- EXISTING WALL
- BUILDING WALLS (BELLOW)
- NEW METAL ROOF
- NEW BOX ROOF GUTTER

NOTES:

1. NEW METAL ROOF SHALL BE TYPE E, 24ga. (36"W), ESCO GALVALUME OR APPROVED SIMILAR.
2. NEW ROOF SHALL HAVE MATCHING ROOF RIDGE, EXTERIOR FLASHINGS & BOX GUTTERS.
3. COLOR FOR NEW ROOF & COMPONENTS SHALL BE AS SELECTED BY ARCHITECT.
4. USE CODE COMPLIANT STRUCTURAL FASTENERS TO EXISTING ROOF STRUCTURE.
5. INSTALL R-30 ROLL INSULATION BETWEEN NEW ROOF AND STRUCTURAL COMPONENTS. USE UNFACED FIBERGLASS WHITE INSULATION. USE MATCHING INSULATION TAPE FOR CLEAN & NEAT JOINING.
6. UNDERSIDE OF INSULATION MUST BE CLEAN & WITHOUT ANY TEARS.

NO.	REVISION	DATE
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Roof Plan

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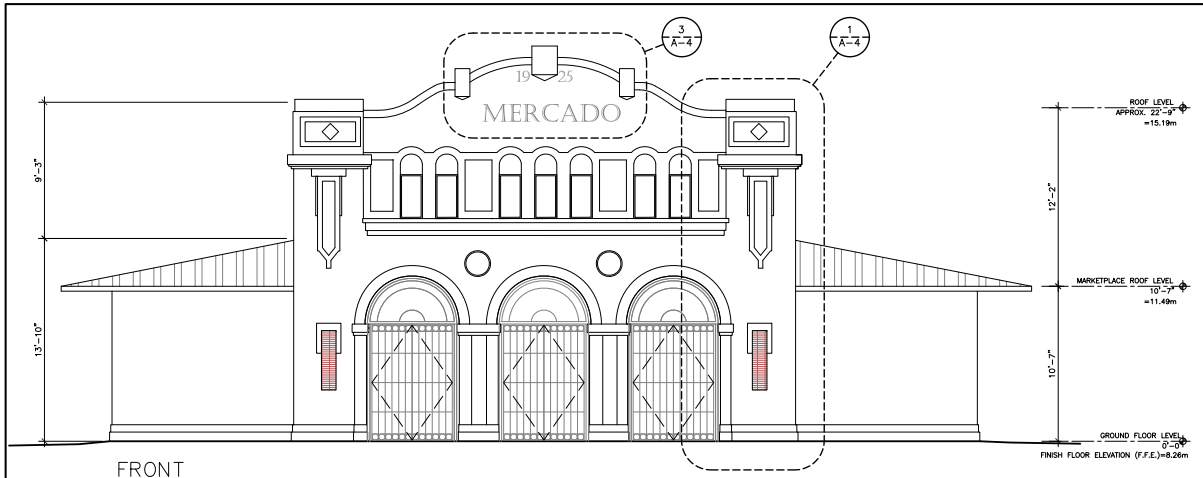
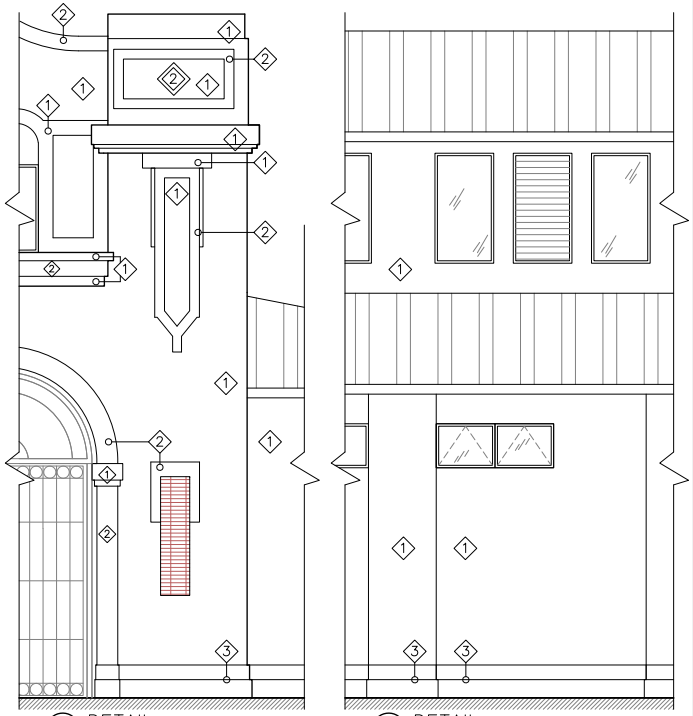


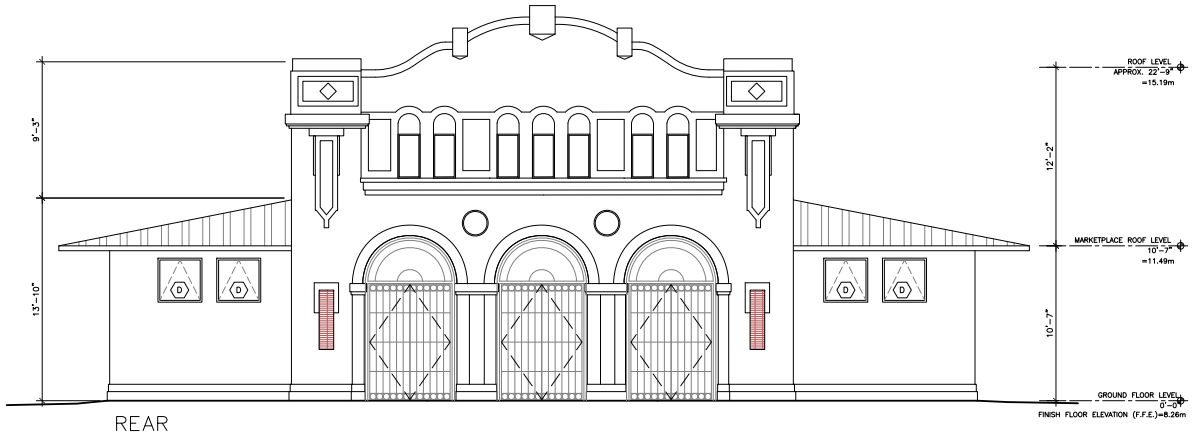
FRONT
SOUTH ELEVATION
SCALE : 1/4"=1'-0"

WALL FINISH SCHEDULE	
#	DESCRIPTION
1	2 COATS OF EXTERIOR PAINT OVER PRIMER BASE
2	



1 A-4 DETAIL
SCALE : 1/2"=1'-0"

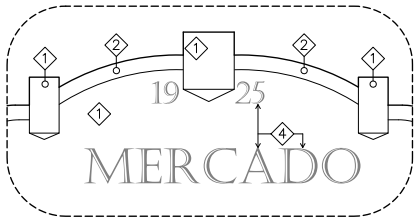
2 A-4 DETAIL
SCALE : 1/2"=1'-0"



REAR
NORTH ELEVATION
SCALE : 1/4"=1'-0"

WALL COLOR SCHEDULE	
#	DESCRIPTION
1	
2	
3	
4	

ALL EXTERIOR WALLS TO RECEIVE A COAT OF PRIMER & 2 COATS OF PAINT AFTER THOROUGH CLEANING & PATCHING AS PER PAINT SPECIFICATIONS.



3 A-4 DETAIL
SCALE : 1/2"=1'-0"

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Elevations

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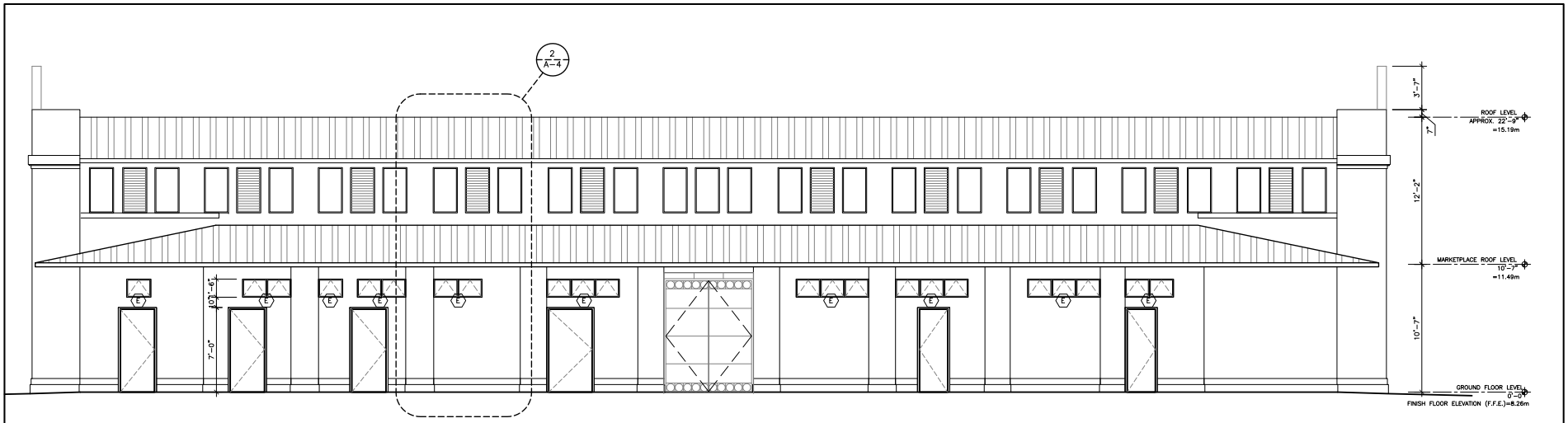
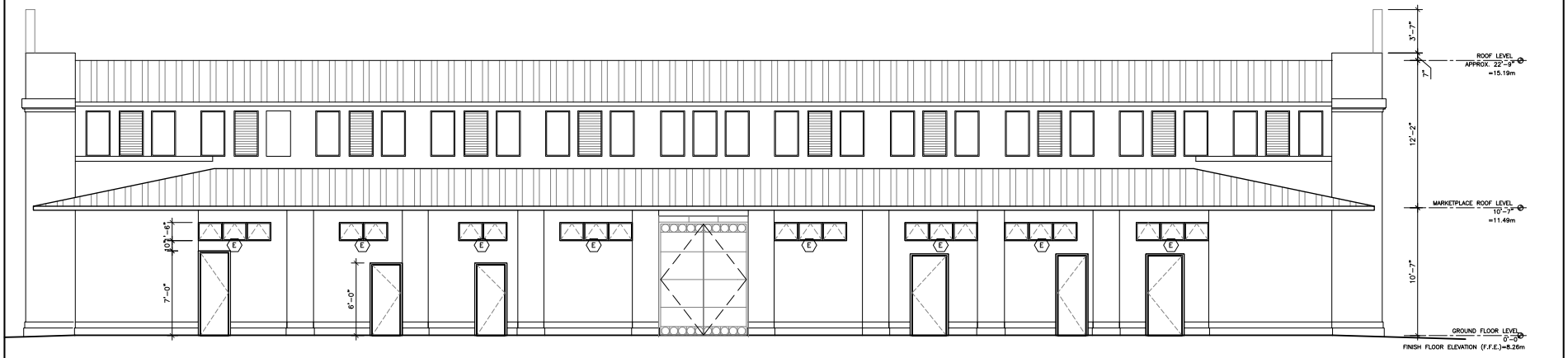


WEST ELEVATION
SCALE : 1/8"=1'-0"



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

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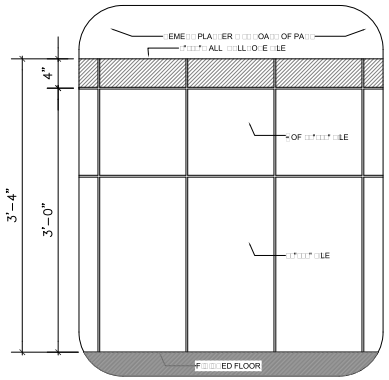
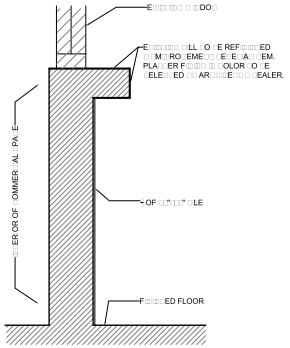
A-5

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



TYPICAL WALL TILE DETAIL
SCALE : 1 1/2"=1'-0"



TYPICAL SERVICE SILL DETAIL
SCALE : 1 1/2"=1'-0"

B SECTION
A-4 SCALE : 1/4"=1'-0"

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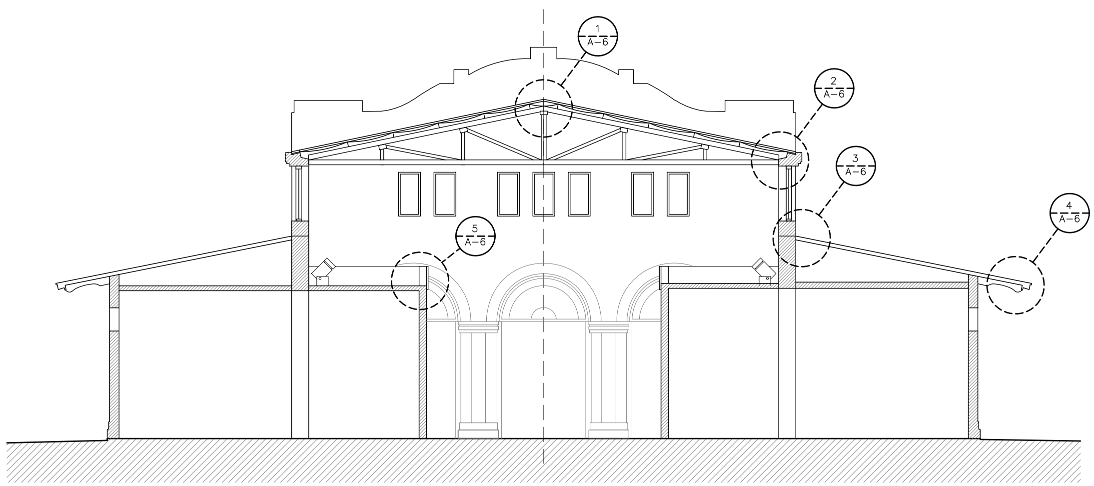
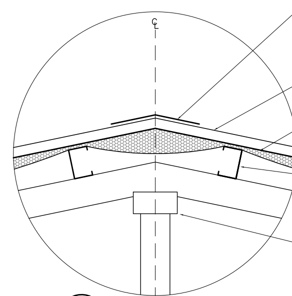
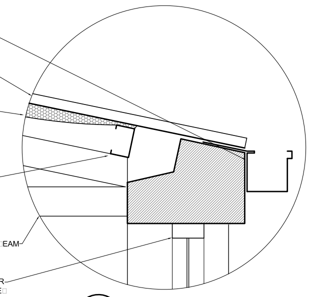
AS-BUILT SECTION
SCALE : 1/4"=1'-0"



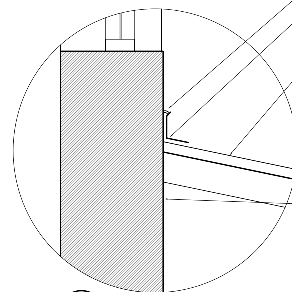
A A-5 SECTION
SCALE : 1/4"=1'-0"



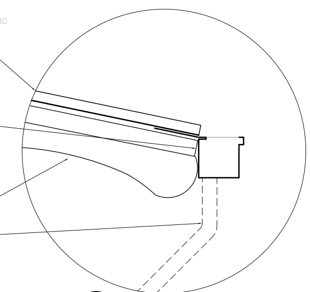
1 A-6 DETAIL
SCALE : 1 1/2"=1'-0"



2 A-6 DETAIL
SCALE : 1 1/2"=1'-0"



3 A-6 DETAIL
SCALE : 1 1/2"=1'-0"



4 A-6 DETAIL
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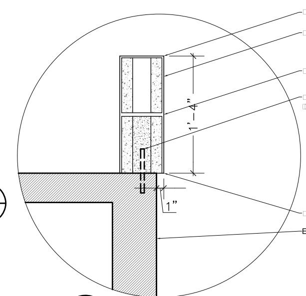

5 A-6 DETAIL
SCALE : 1 1/2"=1'-0"

NO.	REVISION	DATE
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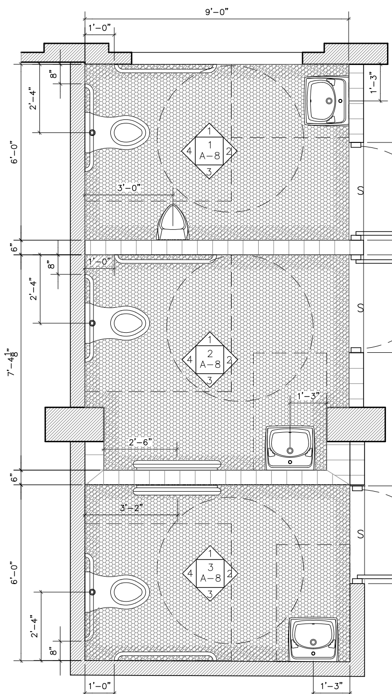
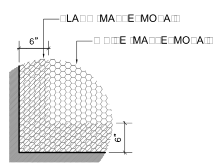
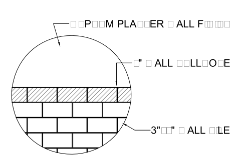


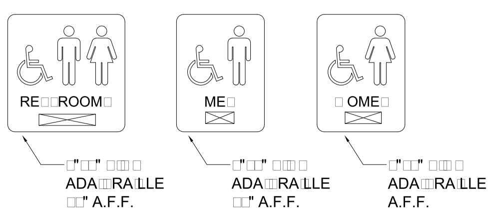
TOILET PLAN
SCALE : 1/2"=1'-0"



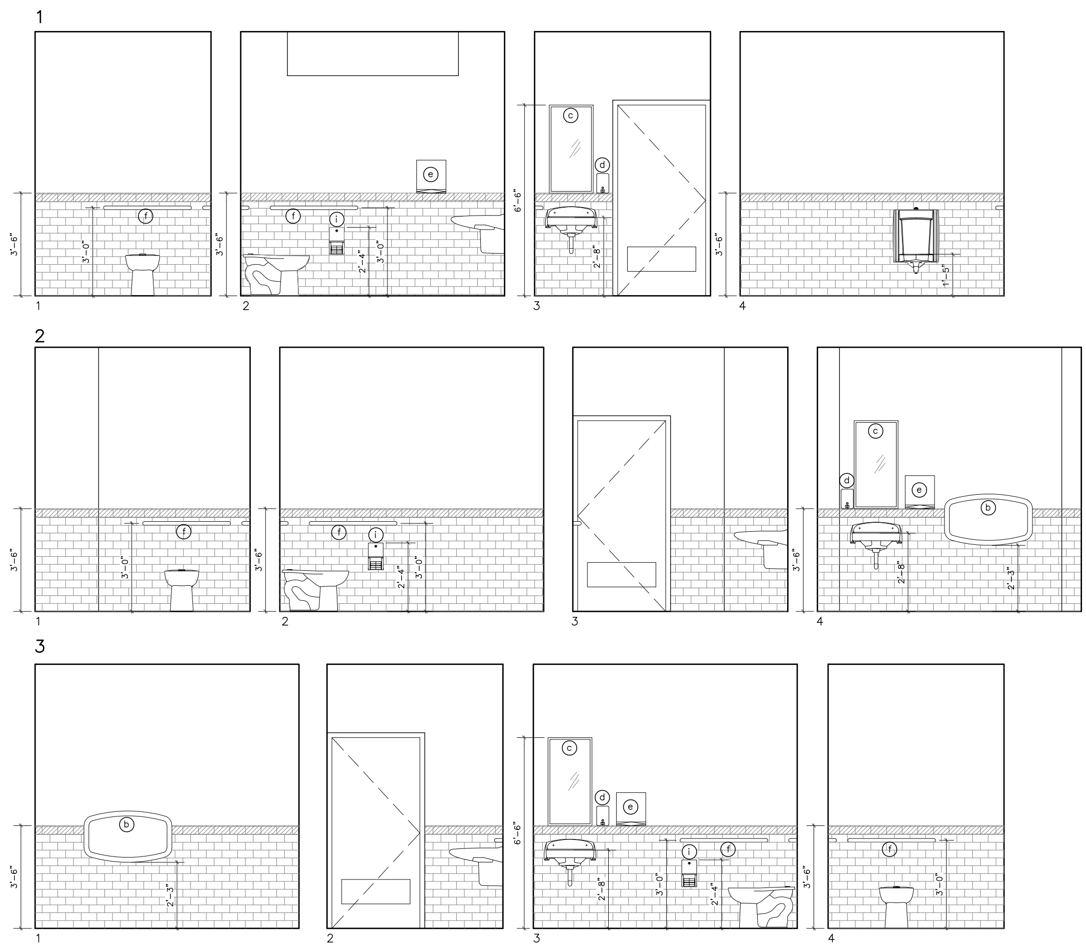
TYPICAL FLOOR MOSAIC DETAIL
SCALE : 1"=1'-0"



TYPICAL WALL DETAL
SCALE : 1"=1'-0"



SIGN DETAL
SCALE : 3"=1'-0"



TOILET ELEVATIONS
SCALE : 1/2"=1'-0"

WASHROOM ACCESSORIES SCHEDULE		
LETTER	CATALOG #	DESCRIPTION
a	B-7128	BOBRICK QUIETDRY TRIMDRY SURFACE MT. DRYER
b	KB300-55	BOBRICK BABY CHANGING STATION
c	B-290 1836	BOBRICK CHANNEL FRAME MIRROR
d	B-2111	BOBRICK SOAP DISPENSER-VERTICAL
e	B-9262	BOBRICK SURFACE MOUNTED PAPER TOWEL DISP.
f	ASI 3800 914	SMOOTH FINISH 36" GRAB BAR
g *	B-2260	BOBRICK FLOOR STANDING WASTE RECEPTACLE
i	ASI 030	TOILET TISSUE DISPENSER, SURFACE MOUNTED

* EACH TOILET ROOM WILL HAVE ONE (1) FLOOR STANDING WASTE RECEPTACLE.

NO.	REVISION	DATE

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Toilet Rooms Plan & Details

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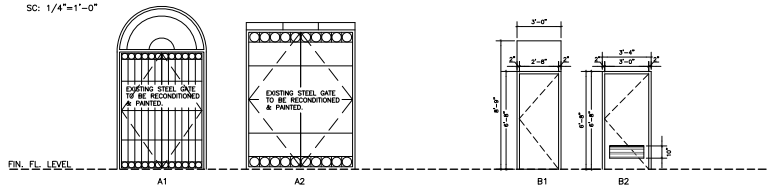
DOOR SCHEDULE

MKD	MO OPNG. WIDTH	MO OPNG. HEIGHT	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR SIZE THK.	DOOR TYPE	JAMB DET.	HEAD DET.	SADDLE	REMARKS
A1	7'-5"	10'-0"	–	–	–	–	–	–	–	EXISTING STEEL ORNAMENTAL DOUBLE GATE. TO BE SCRAPED, RECONDITIONED & PAINTED WITH APPROVED EPOXIC RUST-INHIBITOR PAINT IN COLOR TO BE SELECTED BY ARCHITECT. NEW AUTOMATIC CLOSER TO BE INSTALLED (SEE SCHEDULE)
A2	6'-0"	8'-0"	–	–	–	–	–	–	–	
B1	3'-0"	6'-8"	2'-8"	6'-6"	1 3/4"	METAL	b, d	b, d	–	HEAVY DUTY FLUSH METAL DOOR WITH METAL FRAME. FINISHED W/ PRIMER, INDUSTRIAL ENAMEL.
B2	3'-4"	6'-8"	3'-0"	6'-6"	1 3/4"	METAL	b, d	b, d	ALUM.	HEAVY DUTY FLUSH METAL DOOR WITH BOTTOM FIXED LOUVERS & METAL FRAME. FINISHED W/ PRIMER, INDUSTRIAL ENAMEL.

NOTE ON SADDLES :
ALL DOORS MARKED WITH SADDLES SHALL HAVE MARBLE DOOR SADDLE IN MATCHING WIDTH TO FRAME NO MORE THAN 1/4" HEIGHT OVER FINISHED FLOOR.

DOOR ELEVATIONS

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



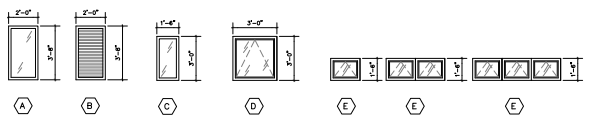
WINDOW SCHEDULE

MKD	MO OPNG. WIDTH	MO OPNG. HEIGHT	WINDOW SIZE WIDTH	WINDOW SIZE HEIGHT	HGHT. FROM FL.	REMARKS
A	2'-0"	3'-8"	2'-0"	3'-8"	14'-9"	FIXED LAMINATED (7/16" THK.) CASEMENT WINDOW IN ALUM. FRAME. INSTALLED AT HEIGHT OF EXISTING WINDOW TO BE REPLACED.
B	2'-0"	3'-8"	2'-0"	3'-8"	14'-9"	FIXED ALUM. INVERTED "V" LOUVER. INSTALLED AT HEIGHT OF EXISTING WINDOW TO BE REPLACED.
C	1'-6"	3'-0"	1'-6"	3'-0"	15'-3"	FIXED LAMINATED (7/16" THK.) CASEMENT WINDOW IN ALUM. FRAME. INSTALLED AT HEIGHT OF EXISTING WINDOW TO BE REPLACED.
D	3'-0"	3'-0"	3'-0"	3'-0"	6'-8"	FIXED LAMINATED (7/16" THK.) PROJECTED-OUT WINDOW IN ALUM. FRAME. INSTALLED AT HEIGHT OF EXISTING WINDOW TO BE REPLACED.
E	VARIES	1'-6"	VARIES	1'-6"	7'-10"	FIXED LAMINATED (7/16" THK.) PROJECTED-OUT WINDOW IN ALUM. FRAME. INSTALLED AT HEIGHT OF EXISTING WINDOW TO BE REPLACED. GENERAL CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY INDIVIDUAL WINDOW WIDTHS. NEW WINDOWS TO HAVE SAME WIDTH DISTRIBUTION AS EXISTING.

ALL NEW WINDOWS SHALL BE IN "SOLAR BRONZE" OR SIMILAR APPROVED COLOR BY ARCHITECT.

WINDOW ELEVATIONS

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



SCHEDULE OF FINISHES

MK'D	AREA	FLOOR: ARDEX FLOORING	FLOOR: CERAMIC MOSAIC TILE	FLOOR: CERAMIC MOSAIC TILE	BASE	WALL: 2 COATS INTERIOR LATEX PAINT	WALL: PORCELANA PLASTER	WALL: WALL TILE	CEILING: 1/2" HIGH STRENGTH CLG. BD.	CEILING: ROLL INSULATION (WHITE)	CEILING: 2 COATS OF INT. FLAT PAINT	REFERENCE NOTES
1000	OPEN CENTRAL COURT	●				●		●	●	●	●	
1010	TOILET MEN		●			●		●	●			
1020	TOILET FAMILY		●			●		●	●			
1030	TOILET WOMEN		●			●		●	●			
1040	JANITOR	●				●						
1050	TELECOM & ELECTRICAL	●				●						
1090	REMODELED SPACE	●				●					●	

NOTES:

1) USE ONLY FIRE RATED MOLDTOUGH GYPSUM BOARD (OF APPROPRIATE THICKENS) FOR WALL CONSTRUCTION AND USE ONLY HI-STRENGHT ½" CEILING GYPSUM BOARD FOR CEILING CONSTRUCTION. FOR RATED FIRE WALLS USE DESIGNATED WALL BOARD.

2) ALL STUDS FOR GYP. BD. CONSTRUCTION SHALL BE GALVANIZED.

3) WHEREVER EXISTING FLOOR IS NOT LEVEL A ±1/8" THICK LAYER OF ARDEX K-15 SELF-LEVELING UNDERLAYMENT (OR APPROVED SIMILAR) IS TO BE INSTALLED TO LEVEL FLOORING. AS INDICATED IN THE TECHNICAL SPECIFICATIONS.

4) FOR OPEN CENTRAL COURT CONCESSIONS WALLS USE 12"x24" GLAZED CERAMIC TILE (GLOSS FINISH) & WALL BULLNOSE, 12" SIDE S-44C9 IN LIGHT GREY MATTE VV13. USE MAPAI GRAY 09 GROUT.

5) FOR TOILET ROOMS WALLS USE DALTILE 3"x6" VITRUVIAN WALL TILE IN WHITE MATTE VV11 WITH MATCHING TOP BULLNOSE, 6" SIDE S-4269. USE MAPEI WHITE 00 GROUT.

6) ARDEX FLOORING TO BE ARDEX SD-M IN GRAY. APPLIED OVER CLEANED SUBSTRATE & ARDEX MC RAPID MOISTURE CONTROL SYSTEM. USE ARDEX P-51 PRIMER. FINISH WITH WEAR PROTECTING CONCRETE SEALER TO HAVE LOW SHEEN AND LOW VOC.

7) FOR TOILET ROOMS FLOORING USE AMERICAN OLEAN UNGLAZED 1" HEXAGONAL MOSAIC IN ICE WHITE A25 FOR MAIN FLOORING AND BLACK A34 FOR BORDERS. USE MAPEI SANDED GROUT IN GRAY (09)

8) ALL PAINT SURFACES TO RECEIVE ONE COAT OF PRIMER AND TWO (2) COATS OF INTERIOR LATEX PAINT IN COLOR SELECTED BY ARCHITECT. USE SHERWIN WILLIAMS LX03W0100 PRIMER & A80W2151.

9) EXPOSE ROOF STEEL STRUCTURAL MEMBERS TO BE THOROUGHLY CLEANED BEFORE RECEIVING TWO COATS OF RUST-INHIBITING EPOXIC PAINT. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURERS COLOR WHEEL. USE KEM KROMIK METAL PRIMER & F75RC0007 SHER-kEM HIGH GLOSS.

10) EXISTING IRON GATES TO REMAIN SHALL BE SCRAPED, CLEANED, OILED AND RECEIVE A COAT OF RUST INHIBITING PRIMER AND TWO COATS OF EPOXIC METAL PAINT IN COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURERS COLOR WHEEL.

11) INSTALL TOILET ROOM SIGNS AS PER ADA REQUIREMENTS. SUBMIT TO ARCHITECT SIGN SHOP DRAWINGS AS PER REQUIREMENTS & DETAILS.

12) EXISTING COUNTER SILLS TO BE REFINISHED WITH MICROCEMENTO EXTERIOR GRADE VENITIAN PLASTER IN GRAY (PLOMO) COLOR & FINISHED WITH GLOSS SEALER. DIST. BY MICROCEMENTO LLC (787)696-9666

NO.	REVISION	DATE

Plaza del Mercado – Remodelacion
Luis Muñoz Rivera, Esq. C. Victoria Mateo, Salinas, PR

Door, Window, Finish Schedule

MARQUES + MARQUES ARQUITECTOS
C.A.A.P.P.R.
A.I.A.
701 PONCE DE LEON AVE., SAN JUAN, P.R. 00907 T (787) 725-1700
WEB: MARQUESMARQUES.COM
E-MAIL: MARQUESMARQUES@GMAIL.COM

9/13/2022

A-8

23 OF 32

October 20, 2022

Arch. Carlos A. Rubio Cancela
Executive Director
State Historic Preservation Officer
Cuartel de Ballajá Bldg.
San Juan, Puerto Rico

Re: Authorization to Submit Documents

Dear Arch. Rubio Cancela:

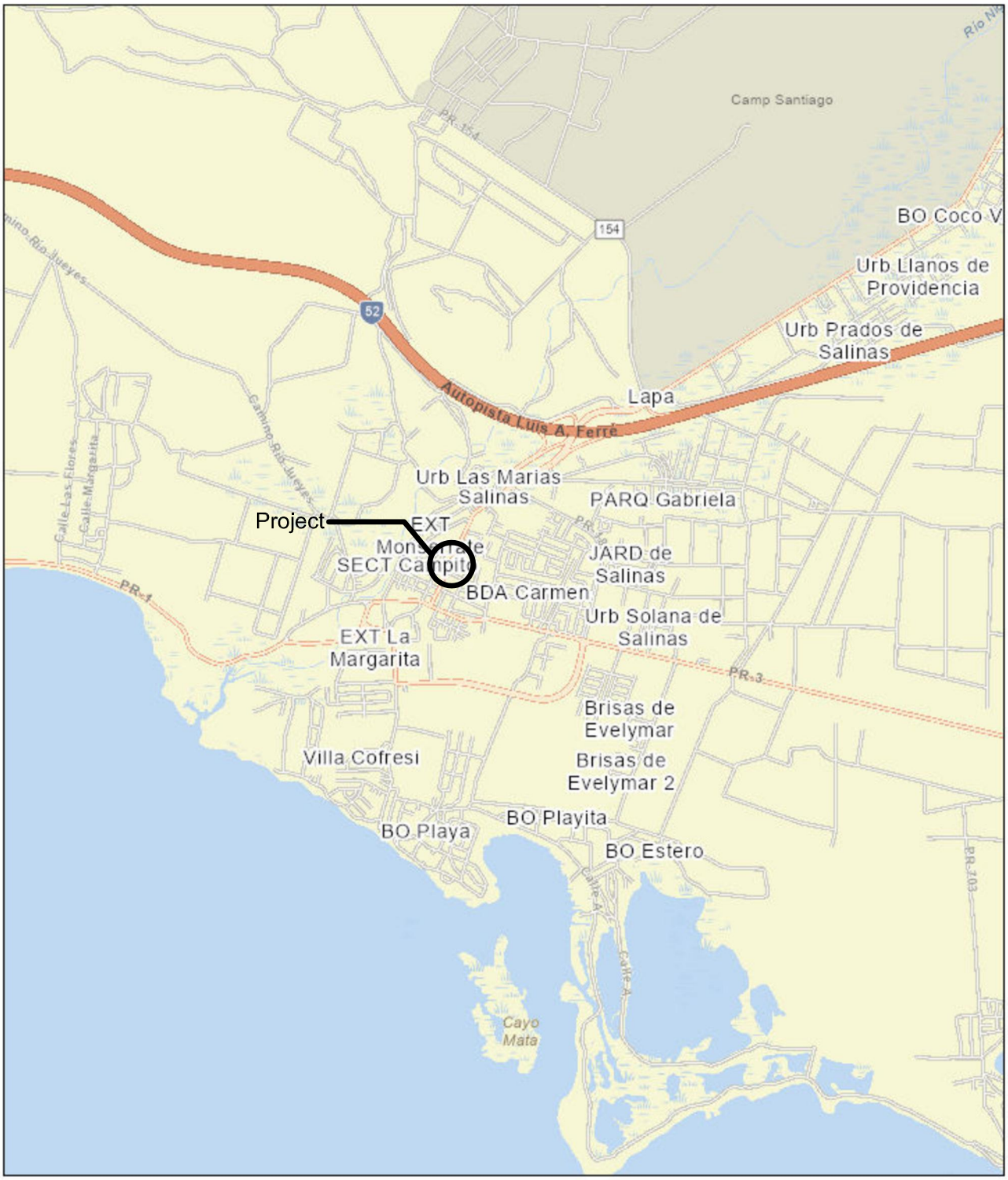
The U.S. Department of Housing (HUD) approved the allocations of Community Development Block Grant (CDBG-DR) funds on February 9, 2018. It also approved the allocation of Community Development Block Grant Mitigation (CDBG-MIT) funds on January 27, 2020. The purpose of these allocations is to address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

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

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

Cordially,

Juan C. Pérez Bofill, P.E. M.Eng
Director of Disaster Recovery
CDBG DR-MIT



THERE ARE NO SOLE SOURCE AQUIFERS IN PUERTO RICO

MARQUES + MARQUES ARQUITECTOS
A.I.A. C.A.A.P.P.R.

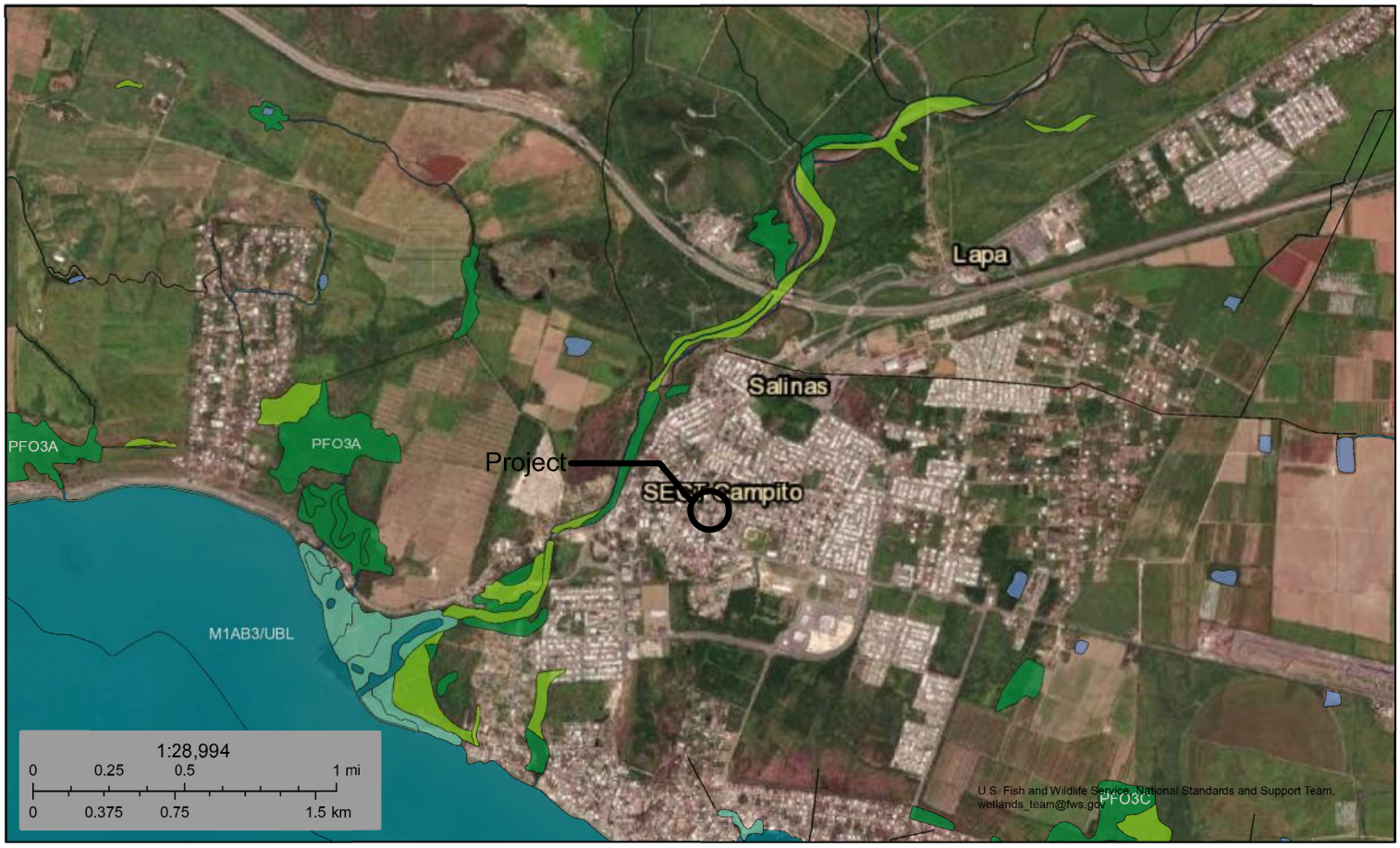
Project: Plaza del Mercado - REMODELACION
Location: Calle Luis Muñoz Rivera, esquina C. Victoria Mateo, Salinas, P.R.

MAP: NEPAassist EPA Sole Source Aquifer
Reference: NEPAssist EPA facilities (Sole Source Aquifer map)

#12 PDM Wetlands-min.pdf

U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetland SALINAS 2



October 18, 2022

Wetlands

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

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

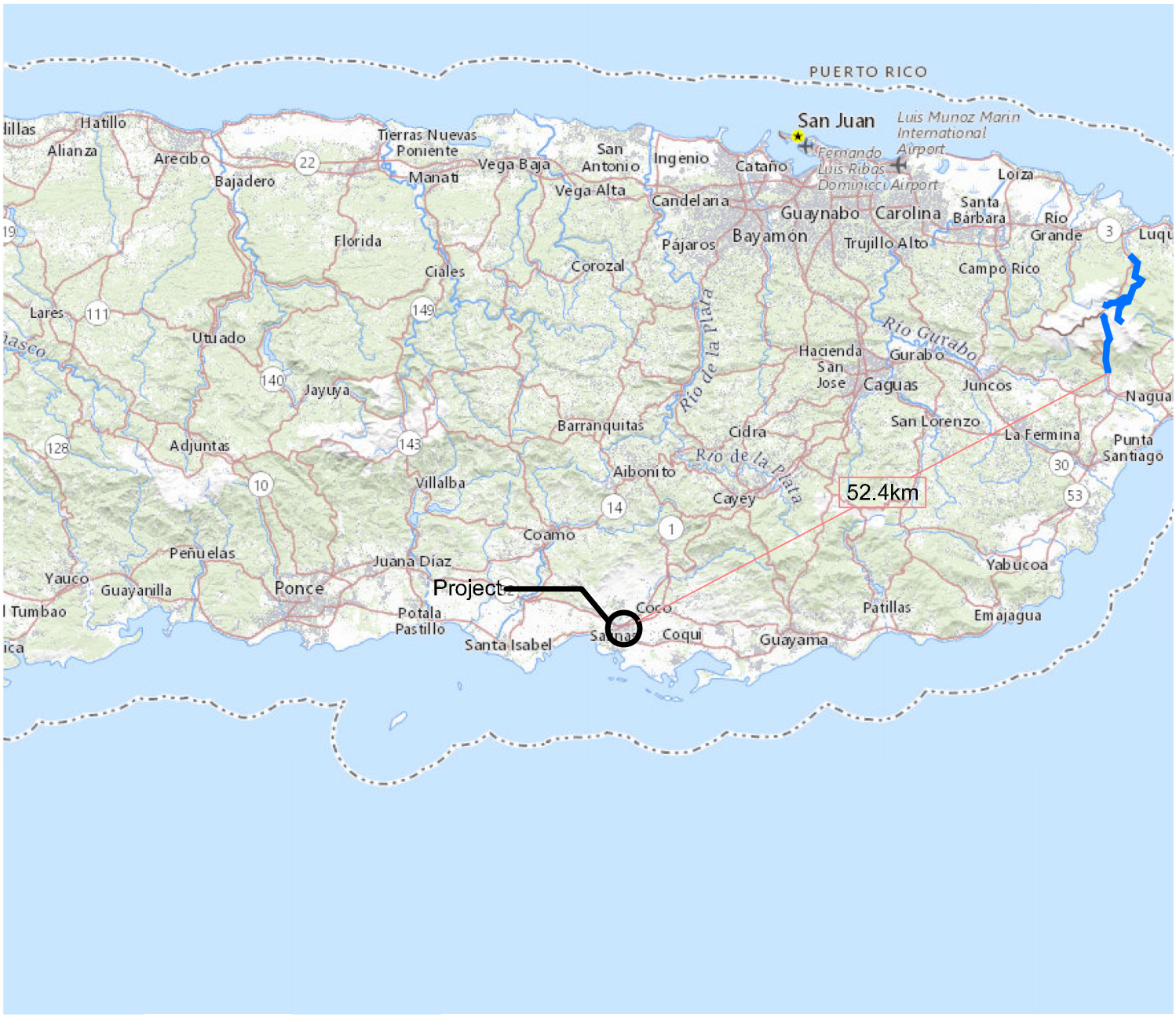
National Wetlands Inventory (NWI)

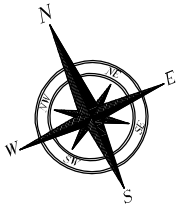
MARQUES + MARQUES ARQUITECTOS
A.I.A. C.A.A.P.P.R.

Project: Plaza del Mercado - REMODELACION
Location: Calle Luis Muñoz Rivera, esquina C. Victoria Mateo, Salinas, P.R.

MAP: Wetlands Protection Map
Reference: National Wetlands Inventory (NWI) Wetland Mapper

#13 PDM WildScenicRivers.pdf



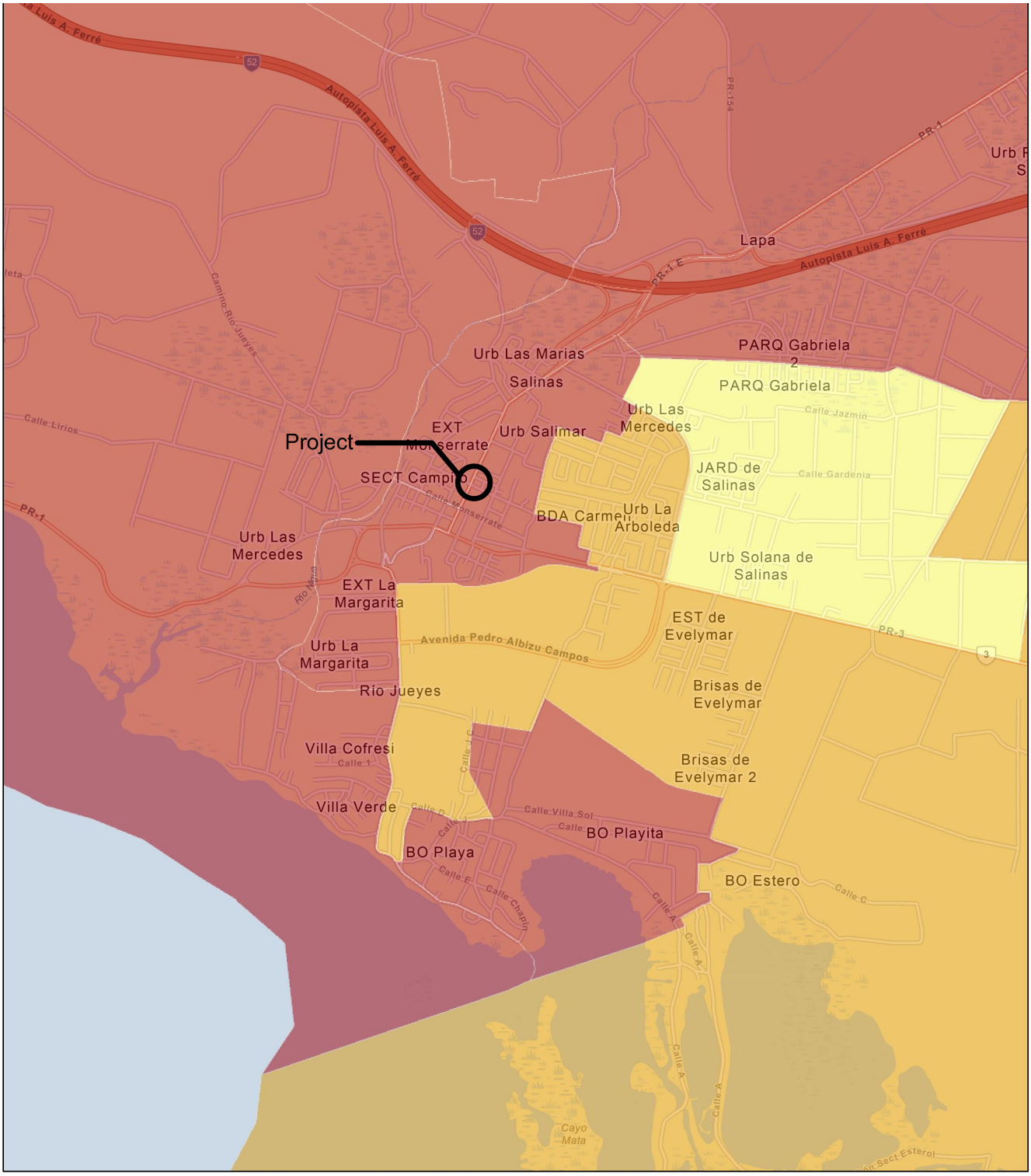


MARQUES + MARQUES ARQUITECTOS
A.I.A. C.A.A.P.P.R.

Project: Plaza del Mercado - REMODELACION
Location: Calle Luis Muñoz Rivera, esquina C. Victoria Mateo, Salinas, P.R.

MAP: Wild and Scenic Rivers Map
Reference: National Wild and Scenic Rivers Systems web page

#14 PDM EnviroJustice.pdf



10/18/2022

Low Income (National Percentiles)

- Less than 50 percentile
- 50 - 60 percentile
- 60 - 70 percentile
- 70 - 80 percentile
- 80 - 90 percentile
- 90 - 95 percentile
- 95 - 100 percentile
- Data not available

1:18,056

0 0.2 0.4 0.8 mi

0 0.3 0.6 1.2 km

Esri Community Maps Contributors, Kadaster Netherlands, Esri, HERE, Garmin, Foursquare, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, NPS, US Census Bureau

MARQUES + MARQUES ARQUITECTOS

A.I.A. C.A.A.P.P.R.

Project: Plaza del Mercado - REMODELACION

Location: Calle Luis Muñoz Rivera, esquina C. Victoria Mateo, Salinas, P.R.

MAP: Environmental Justice Map

Reference: EPA's Environmental Justice Screening and Mapping tool V2.1

ATTACHMENT 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Project PA-02-PR-4339-PW-02458

Title: 92309 - MSAL019-Salinas Plaza del Mercado

NEPA DETERMINATION

Non Compliant Flag: No
EA Draft Date:
EA Final Date:
EA Public Notice Date:
EA Fonsi
Level: CATEX
EIS Notice of Intent
EIS ROD Date:

Comment Salinas Municipality, Plaza del Mercado (17.97836, -66.29731), Category E, CATEX N7, 0.0% of Work Completed. The applicant will utilize contracts for repairs to the Salinas Plaza del Mercado to restore facilities back to pre-disaster design, capacity and function and capacity (in-kind) within the existing footprint. The Scope of Work includes the following building damages: remove and replace acoustic ceiling, aluminum and glass window and galvanized metal roof. Also includes the prepare and paint the concrete structure of 8,000 sq. MITIGATION: The Applicant has decided to pursue mitigation. In order to protect the Plaza del Mercado and when replacing the 8,000 square feet of wall paint, the Applicant will substitute with 2 coats of waterproof sealer. Any addition and/or amendments to the scope of work must be reviewed by EHP. - mperezr1 - 12/02/2019 19:01:55 GMT
Version (0) does not affect previous determination, previous review/comment applies. - ecorder5 - 01/08/2020 16:41:06 GMT

No change in version number, second time reviewed; change in costs only, previous review applies - ecorder5 - 04/21/2020 19:54:52 GMT

CATEX CATEGORIES

Catex Category Code	Description	Selected
*n7	(*n7) Federal Assistance for Structure and Facility Upgrades. Federal assistance for the reconstruction, elevation, retrofitting, upgrading to current codes and standards, and improvements of pre-existing facilities in existing developed areas with substantially completed infrastructure, when the immediate project area has already been disturbed, and when those actions do not alter basic functions, do not exceed capacity of other system components, or modify intended land use. This category does not include actions within or affecting streams or stream banks or actions seaward of the limit of moderate wave action (or V zone when the limit of moderate wave action has not been identified).	Yes

EXTRAORDINARY

Extraordinary Circumstance Code	Description	Selected ?
	No Extraordinary Circumstances were selected	

ENVIRONMENTAL LAW / EXECUTIVE ORDER

Environmental Law/ Executive Order	Status	Description	Comment
Clean Air Act (CAA)	Completed	Project will not result in permanent air emissions - Review concluded	
Coastal Barrier Resources Act (CBRA)	Completed	Project is not on or connected to CBRA Unit or otherwise protected area - Review concluded	

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Project PA-02-PR-4339-PW-02458

Title: 92309 - MSAL019-Salinas Plaza del Mercado

Environmental Law/ Executive Order	Status	Description	Comment
Clean Water Act (CWA)	Completed	Project would not affect any water of the U.S. - Review concluded	
Coastal Zone Management Act (CZMA)	Completed	Project is not located in a coastal zone area and does not affect a coastal zone area - Review concluded	
Executive Order 11988 - Floodplains	Completed	Located in floodplain or effects on floodplain/flood levels	The project site is located in the regulated floodplain as mapped on the ABFE available at https://gis.fema.gov/PuertoRicoABFEs/ accessed on (Nov. 29, 2019 / 8:47am). FEMA has determined that the Scope of Work does not have the potential to impact the floodplain. - mperezr1 - 12/02/2019 18:40:22 GMT***Version (0) does not affect previous determination, previous review/comment applies.*** - ecorder5 - 01/08/2020 16:50:11 GMT***No change in version number, second time reviewed; previous review/comment applies*** - ecorder5 - 04/21/2020 20:03:11 GMT
	Completed	No adverse effect on floodplain and not adversely affected by the floodplain - Review concluded	
Executive Order 11990 - Wetlands	Completed	No effects on wetlands and project outside wetlands - Review concluded	Per the USFWS Wetlands Inventory Mapper, accessed on (Nov. 29, 2019), the proposed scope of work is not located in a wetland. - mperezr1 - 12/02/2019 18:42:35 GMT***Version (0) does not affect previous determination, previous review/comment applies.*** - ecorder5 - 01/08/2020 16:50:42 GMT***No change in version number, second time reviewed; previous review/comment applies*** - ecorder5 - 04/21/2020 20:04:24 GMT
Executive Order 12898 - Environmental Justice for Low Income and Minority Populations	Completed	Low income or minority population in or near project area	
	Completed	No disproportionately high and adverse impact on low income or minority population - Review concluded	
Endangered Species Act (ESA)	Completed	Listed species and/or designated critical habitat present in areas affected directly or indirectly by the federal action	Per review of U.S. Fish and Wildlife Service¿s Geospatial Data received on March 20, 2018, threatened/endangered species and/or critical/suitable habitat are present at project site (17.97836, -66.29731). Based on the project location and the proposed scope of work, the project complies with the criteria set forth in the USFWS Blanket letter for federally sponsored projects under FEMA¿s Hazard

FEDERAL EMERGENCY MANAGEMENT AGENCY

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Project PA-02-PR-4339-PW-02458

Title: 92309 - MSAL019-Salinas Plaza del Mercado

Environmental Law/ Executive Order	Status	Description	Comment
			Mitigation and Public Assistance Grant Programs dated July 24, 2014. Undertaking may affect, but is not likely to adversely affect species or designated critical habitat when recommended conservation measures are followed. - mperezr1 - 12/02/2019 18:16:11 GMTPer review of U.S. Fish and Wildlife Service¿s Geospatial Data received on March 20, 2018 and the PR ESA Matrix, FEMA has determined that there will be no effect on species or designated critical habitat. - ecorder5 - 01/08/2020 16:41:40 GMT***No change in version number, second time reviewed; previous review/comment applies*** - ecorder5 - 04/21/2020 20:01:36 GMT
	Completed	May affect, but not likely to adversely affect species or designated critical habitat (FEMA determination/USFWS/NMFS concurrence attached) - Review concluded	
Farmland Protection Policy Act (FPPA)	Completed	Project does not affect designated prime or unique farmland - Review concluded	
Migratory Bird Treaty Act (MBTA)	Completed	Project located within a flyway zone	
	Completed	Project does not have potential to take migratory birds - Review concluded	
Magnuson-Stevens Fishery Conservation and Management Act (MSA)	Completed	Project not located in or near Essential Fish Habitat - Review concluded	
National Historic Preservation Act (NHPA)	Completed	Applicable executed Programmatic Agreement. Activity meets Programmatic Allowance (enter date and # in comments) - Review concluded	The proposed activity complies with programmatic allowances: Tier II Allowances B.1.a, B.1.c., B.4.a, B.5.a. and B.6.b. identified in the Programmatic Agreement as amended on November 13, 2019, among the FEMA, the PRSHPO, and the COR3. This determination was made by Olga Torres Rios who meets the applicable SOI qualifications, pursuant to Stipulation I.B.1.a of the Agreement. - otorres4 - 11/27/2019 18:25:18 GMT...Previous comment applies. - otorres4 - 01/07/2020 17:25:51 GMT***Previous determination, review applies.*** - erodri90 - 04/20/2020 17:15:18 GMT
Resource Conservation and Recovery Act, aka Solid Waste Disposal Act (RCRA)	Completed	Review concluded	The applicant is responsible to ensure potentially hazardous materials, if any, shall be removed and disposed of in accordance with all applicable federal and

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Project PA-02-PR-4339-PW-02458

Title: 92309 - MSAL019-Salinas Plaza del Mercado

Environmental Law/ Executive Order	Status	Description	Comment
			state laws and local compliance requirements. - ecorder5 - 04/21/2020 20:05:33 GMT
Wild and Scenic Rivers Act (WSR)	Completed	Project is not along and does not affect Wild and Scenic River - Review concluded	

CONDITIONS

Special Conditions required on implementation of Projects:

Applicant must follow all recommendations set forth in the ¿Blanket Clearance Letter for Federally sponsored projects, Hazard Mitigation and Public Assistance Grants¿ dated July 24, 2014.

Source of condition: Endangered Species Act (ESA) Monitoring Required: No

(RCRA) Conditions:

* The Applicant shall handle, manage, and dispose of all solid and hazardous waste in accordance with requirements of local, state, and federal laws, regulations, and ordinances. In addition, the Applicant shall ensure that all debris is separated and disposed of in a manner consistent with the PR DNER guidelines at a permitted site or landfill.

* For asbestos containing material and lead base paint the Applicant shall handle, manage, and dispose of all solid and hazardous waste in accordance with requirements of local, state, and federal laws, regulations, and ordinances. In addition, the Applicant shall ensure that all debris is separated and disposed of in a manner consistent with the DNER/EQB guidelines at a permitted site or landfill or provide evidence of the close out permit from DNER/EQB for activities of remediation, abetment or removal of those materials.

* Unusable equipment, debris, white goods, scrap metal any other material shall be disposed in approved manner and location. In the event significant items are discovered during the implementation or development of the project the Applicant shall handle, manage and dispose petroleum products, hazardous materials and toxic waste in accordance to the requirements of the local and federal agencies. Noncompliance with these requirements may jeopardize receipt of federal funds.

Source of condition: Resource Conservation and Recovery Act, aka Solid Waste Disposal Act (RCRA) Monitoring Required: No

Standard Conditions:

Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.

This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize federal funding.

If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archeological resources are discovered, will immediately cease construction in that area and notify the State and FEMA.