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

# Project Information

Project Name: Estacionamiento y Plazoleta Autonomous Municipality of Moca (PR-CRP-000870)

Responsible Entity: Puerto Rico Department of Housing (PRDOH)

Grant Recipient (if different than Responsible Entity):

State/Local Identifier: Puerto Rico

Preparer: Clifford Jarman, Senior Environmental Scientist, Tetra Tech, Inc.

# Certifying Officer Name and Title:

Juan Carlos Perez-Bofill - Director, Disaster Recovery CDBG-DR Aldo Rivera, Permits and Environmental Compliance Director; Sally Z. Acevedo-Cosme - Permits and Environmental Compliance Specialist Pedro de León Rodriguez - Permits and Environmental Compliance Specialist Maria T. Torres-Bregón - Permits and Environmental Compliance Manager Angel G. López Guzmán - Deputy Director, Permits and Environmental Compliance Specialist Ivelisse Lorenzo Torres - Permits and Environmental Compliance Specialist Santa Ramírez Lebrón - Permits and Environmental Compliance Specialist Janette I. Cambrelen - Permits and Environmental Compliance Specialist Limary Vélez Marrero - Permits and Environmental Compliance Specialist Mónica Machuca Rios - Permits and Environmental Compliance Specialist Abdul Feliciano-Plaza - Permits and Environmental Compliance Specialist Javier Mercado-Barrera - Permits and Environmental Compliance Specialist

**Consultant** (if applicable): Tetra Tech Inc.

Direct Comments to environmentcdbg@vivienda.pr.gov

**Project Location**: Calle Monsenor J. Torres esquina Calle Valentin Perez, Moca, Puerto Rico 00676. Coordinates: 18.392063, -67.112277. (Parcel ID#s 070-032-023-57-000 and 070-042-023-63-000) See Figure 1 in Appendix A.

**Description of the Proposed Project** [24 CFR 50.12 & 58.32; 40 CFR 1508.25]: The main objective of this project is to create more parking areas for the city, a stage for outdoor activities, and a meeting point in case of a natural event: Construction of a paved concrete parking lot that will also be used as a small square for outdoor activities. In addition, this place will serve as a meeting point and a first response space for any natural event. The new area will also be used as a space where emergency vehicles and services can locate to provide services

and supplies after any sort of disaster. The project incorporates a large parking area where vehicles or containers can be parked without obstruction. Therefore, it must be free of obstacles like trees and "Wheel stops."

The main undertaking for this project is the construction of a concrete surface that provides approximately 82 parking spots for regular cars or 22 emergency vehicles and trailers. This parking area will be provided with electrical connection points for emergency vehicles and a transfer switch that allows for connection of a portable emergency generator to power temporary emergency vehicles.

Additional improvements include construction of a roofed performance platform and small bathroom facilities that will serve the community daily. These are the only buildings on site, and total around 800 square feet of construction. Towards the southern side of the project, in front of an existing school, new gardens will provide shaded seating areas and access to the restroom facilities. In the lot's corner, a small square will serve as both plaza and viewing area for the performance platform.

The site's existing storm sewer pipe and catch basins will be improved as part of this project.

Trees will be planted on Valentin Pérez and Monseñor Streets, as well as on the site's perimeter, as part of regreening initiatives. Additionally, the bathroom building's façade will be planted with vines.

Lastly, ground disturbances are limited to shallow excavations for footings of the proposed buildings and a stormwater retention system. The proposed site improvements require that runoff be captured and managed on site. For this purpose, an underground storm water retention chamber system will be installed. This excavation is 56 by 6 meters in area and limited to 1.5 meters from existing grade at its deepest point.

**Statement of Purpose and Need for the Proposal** [40 CFR 1508.9(b)]: The need for the action is for paved parking in the downtown area that will allow better access and continuity to the Urban Center of Moca (within a 15 minute walk). Paved parking would be resilient to storm conditions. The purpose of the proposed project is to improve the public infrastructure, complying with ADA regulations, promote pedestrian safety, and provide a central area that can be used by emergency vehicles during storm events. The goal of the project is to revitalize and improve downtown Moca without impacting green spaces or open spaces within the urban setting. The improvements should also add pedestrian crossings, allowing better access and continuity to the Urban Center of Moca.

These improvements are part of the "City's Master Plan" to connect significant points of interest in the city within a 15-minute walk and to bring residents back to the urban center.

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

The proposed project is located on the southwest corner of the intersection of Calle Valentin Perez and Calle Monsenor J. Torres in the Municipality of Moca. The construction site lies in a developed area of urban and commercial spaces within downtown Moca. The site is currently used as unpaved parking. The site has a storm sewer pipe and catch basins within the site connect to the municipal system through this lot. These will be improved as part of this project.

# **Funding Information**

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

**Estimated Total HUD Funded Amount:** \$1,192,509.31

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$1,192,509.31

# 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—note citations, dates/names/titles of contacts, and page references. Attach additional documentation as appropriate.

<b>Compliance Factors</b> : Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
STATUTES, EXECUTIVE ORDERS, A	ND REGULATION	IS LISTED AT 24 CFR 50.4 and 58.6
<b>Airport Hazards</b> 24 CFR Part 51 Subpart D	Yes No	The project is not located within an FAA-designated civilian airport Runway Clear Zone (RCA) or Runway Protection Zone, or within the military Airfield Clear Zone (CZ) or Accident Potential Zone/Approach Protection Zone (APZ), based upon information from the airport or military airfield administrator identifying the boundaries of such zones. The project is 36,163 feet from the civilian Rafael Hernandez International Airport and 386,072 feet from the military airport collocated with the Luis Munoz Marin International Airport. The project is in compliance with Airport Hazards requirements. See Figure 2 in Appendix A.
<b>Coastal Barrier Resources</b> Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes No	The project site is not located on a designated Coastal Barrier Resource System unit. The project is located 17,667 feet to the East from the nearest CBRS system in Aguada-Aguadilla area. Thus, the project has no potential impact on CBRS Unit, and it is in compliance with the Coastal Barriers Resources Act. See Figure 3 in Appendix A.

Yes	No
	$\boxtimes$

This project is located within Zone X per Flood Insurance Map 72000C0165J, effective date November 18, 2009. This project is in compliance with Floodplain Insurance requirements. See Figure 4 in Appendix A.

Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]

STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 & 58.5		
Clean Air Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93	Yes No	The project is located within an "attainment" area. The project site is in the Barrio Pueblo of the Municipality of Moca. The Municipio of Moca is not listed in the EPA Green Book "Puerto Rico Nonattainment/Maintenance Status for Each County by Year for all Criteria Pollutants" (See the List in Appendix B). During construction, the contractor will implement controls for fugitive dust. The project is in compliance with Clean Air Act. Refer to EPA listing in Appendix B.
Coastal Zone Management Coastal Zone Management Act, sections 307(c) & (d)	Yes No	The project is located 18,682 feet from the nearest coast. The scope of application or jurisdiction of the Coastal Zone Management Program is defined as one kilometer (1 km 0r 3,281 feet) strip inland, as well as additional distances to include key coastal natural systems. The Project site is located 15,401 feet from the jurisdiction of the Coastal Zone Management Program. The proposed project does not affect a coastal zone as defined in the PR Coastal Zone Management Plan. The project is in compliance with the Coastal Zone Management Act. See Figure 5 in Appendix A.
<b>Contamination and Toxic</b> <b>Substances</b> 24 CFR Part 50.3(i) & 58.5(i)(2)	Yes No	The proposed action will occur on a undeveloped site. In the past, the site was used for agricultural activity of minor products and sugar cane. In the mid-twentieth century the town began to expand, and the fields were eliminated in its urbanization process. All remnants of the agricultural past have been eliminated from the site and its surroundings. Photos of the site (See Appendix E) do not show any debris, distressed vegetation, or storage tanks. Asbestos and lead based paint surveys were conducted
		on the site. No ACM or LBP materials were found on premises. See Appendix C for the reports.
		The NEPA Assistance Website was used to identify known contaminated landfills or other sites, properties, or emission sources within a one-mile radius. According to the information, this radius has seven RCRA generators including gas stations, hospital, and business with emergency power generators were within 3,000 feet of the project site. See Figure 6 in
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		Appendix A. None of these seven sites have violations for the last three years. See ECHO reports of these sites in Appendix C.
		The search showed one toxic release site involving stormwater on Calle Caazan Lasaye, in front of the public plaza 1,363 feet northwest of the project site. See Figure 6 in Appendix A. See ECHO report of this release site in Appendix C. With these conditions and the distance, there would not be any impacts to the project site.
		The HUD standard for radon is 4 picoCuries per liter (pCl/L) for residential buildings. Indoor Radon levels below this level are considered acceptable in homes. While this project does not include a residence there could be some mid- to long-term occupancy (greater than 4 hours a day). There is not much data on indoor radon levels in Puerto Rico. According to the USGS Open-File Report 93-292-K "Geologic Radon Potential OF Guam and Puerto Rico" the following municipios have had indoor radon measurements that have exceeded 4 pCl/L: Camuy, Ciales, Hatillo, Lares, Morovis, and San Sebastián. The Report also assessed the factors that could lead to moderate to high levels of geologic radon potential. The area with the high potential (greater than 4 pCl/L) radon potential is the Utuado Pluton. The municipios of Utuado (southwestern half), Jayuya (southern central third), Lares (east central), Adjuntas (minor portions of northern), and Ponce (minor portions of northern) have areas in the Utuado Pluton. See Appendix C for Justification for the Infeasibility and Impracticability of Radon Testing. The project site is not within any of these areas, and radon exposure will not be a health issue. The subject and adjacent properties are free of hazardous materials, contamination, toxic chemicals, gasses, and radioactive substances which could affect the health or safety of occupants or conflict with the intended use of the subject property.
		The project is in compliance with Contamination and Toxic Substances requirements.
Endangered Species Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402	Yes No	The project site is a cleared unpaved site within a developed area of the Municipality of Moca. The Official Species List from the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) website lists the Puerto Rican Boa as being able to be found in the area, but there are no critical habitats for them at this location. (See Appendix

		<ul> <li>D). According to the USFWS, the nearest critical or proposed critical habitat is 9.51 miles to the east of the project location. See Figure 7 in Appendix B.</li> <li>A site-specific review of endangered species was conducted in accordance with the Fish and Wildlife Act (47 Stat. 401, as amended: 16 U.S.C. 661 et seq.) and the Self-Certification guidelines in the 2014 USFW Caribbean Ecological Services Field Office Blanket Clearance Letter.</li> <li>Based on the nature of the project, scope of work, information available, and a careful analysis of the Project Site, and IPaC species list, it was determined that the project is not likely to adversely affect listed species and a self-certification through the Blanket Clearance Letter was made. The USFWS concurred the project qualified for the Blanket Clearance Letter on May 13, 2024.</li> <li>If a Puerto Rican Boa is encountered. work will cease until it moves off the site or, failing that, the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Rangers will be notified for safe capture and relocation of the animal, in accordance with the USFW</li> <li>Puerto Rican Boa Conservation Measures guidelines.</li> <li>Refer to Figure 7 in Appendix A and the Endangered</li> </ul>
		Species Package in Appendix D. This project is in compliance with the Endangered Species Act.
Explosive and Flammable Hazards 24 CFR Part 51 Subpart C	Yes No	While the project will provide resilience and new venue for events and the management of emergencies, the project does not involve the development, construction, or rehabilitation that will increase residential density or conversion.
		While the proposed parking area will be provided with electrical connection points for emergency vehicles and a transfer switch that allows for connection of a portable emergency generator to power temporary emergency vehicles, the proposed project does not include the installation of generators or fuel sources. During emergencies the site will be used by emergency vehicles and services to provide services and supplies. These vehicles and services may involve the use of temporary portable emergency generators. They will be fully compliant with the requirements for emergency power generators and fuel storage. Examination of aerial views and street views show no
		above ground storage tanks within the acceptable

		separation distance that would not be blocked by intervening public infrastructure. Thus, the project is in compliance with explosive and flammable hazard requirements.
Farmlands Protection Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658	Yes No	The proposed project site is an unpaved area used for parking in a developed are of the Municipality of Moca. The project consists of the construction of a paved concrete parking lot, a roofed performance platform, and small bathroom facilities.
		The soil at the site is classified as MuD3 with 12 to 20 percent slopes and is severely eroded. This soil is classified as farmland of statewide importance. See soils report in Appendix E.
		The site is in an area classified as urban by the U. Census (See figure in Appendix F). The project site is not used for agricultural purposes. The land use will not be converted from agricultural uses. The project complies with the Agricultural Land Protection Policy Act.
<b>Floodplain Management</b> Executive Order 11988, particularly section 2(a); 24 CFR Part 55	Yes No	The proposed project is not located in the Federal Flood Risk Management Standard (FFRMS) floodplain. The extent of the FFRMS floodplain was determined using the 500-year floodplain as indicated on the ABFE Map (See Figure 8 in Appendix A), <u>https://gis-r2- fema.hub.arcgis.com/pages/puertorico.</u> This project is in compliance with Executive Order 11988. See Figures 4 and 8 in Appendix A.
Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	Yes No	The site was evaluated on October 4, 2023 and again on March 15, 2024, by an SOI Qualified Architect/Architectural Historian. Additionally, the site was evaluated on October 4, 2023 and April 10, 2024, by an SOI Qualified Archaeologist. (See Appendix F). SHPO concurred with a finding of <b>No Historic Properties</b> <b>Affected</b> within the project's Area of Potential on Effects on June 13, 2024. Refer to the Section 106 Consultation Package in Appendix F. This project is in compliance with Historic
Noise Abatement and Control	Yes No	Preservation requirements. Although this is new construction, the proposed
Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B		activities will not impact nearby communities. The proposed use as a parking area is consistent with current use. There would be no increase in noise. The proposed action will be conducted during normal construction hours (7:00 am to 4:00 pm) using equipment with internal noise suppression systems. Noise assessment is required only if the project is for new construction or rehabilitation for residential use.

		Thus, no noise assessment is required for this project and the project is in compliance with the Noise Control Act.
Sole Source Aquifers Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149	Yes No	There are no EPA sole source aquifers in Puerto Rico. Furthermore, the project consists of activities that are unlikely to have an adverse impact on groundwater resources. The project is in compliance with Sole Source Aquifer requirements. See Figure 9 in Appendix A.
Wetlands Protection Executive Order 11990, particularly sections 2 and 5	Yes No	The proposed activities involve the construction or reconstruction of public infrastructure in a previously developed area. There is no wetland within or adjacent to the immediate action area and will likely not result in direct or indirect permanent impacts to wetlands. See Figure 10 in Appendix A.
Wild and Scenic Rivers Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	Yes No	Puerto Rico has only three Wild and Scenic Rivers which are located in the boundary between the municipalities of Rio Grande and Luquillo and in Naguabo. These rivers are 459,795 feet from the project site. There will be no impact to Wild and Scenic Rivers and complies with Wild and Scenic rivers Act of 1968. See Figure 11 in Appendix A.

Executive Order 12898 Communities. Thus, there will be no dispro impact on these communities. No	ENVIRONMENTAL JUSTICE	
total environmental review. The proj compliance with Executive Order 12898.		The project will benefit low- and moderate-income communities. Thus, there will be no disproportionate impact on these communities. No adverse environmental impacts were identified in the project's total environmental review. The project is in compliance with Executive Order 12898.

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

**Impact Codes**: Use an impact code from the following list to determine each factor's impact.

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

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

Environmental Assessment Factor	Impact Code	Impact Evaluation
LAND DEVELOPMENT		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	1	According to the current qualification map, the land is considered "Dotacional" and Urban Land. This district is designed to construct ancillary buildings as part of the public infrastructure of the cities and towns around Puerto Rico. The project is currently used as a parking area. The proposed use would continue to be parking. The planned roofed performance platform would not result in any change to land use, zoning, scale or urban design.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	The site is flat with internal drainage facilities. The construction of a paved concrete parking lot, a roofed performance platform, and small bathroom facilities. Soils at the site are rated as very limited (See Appendix E). However, soils are not expected to affect the limited construction of structures. The proposed site improvements require that runoff be captured and managed on site. For this purpose, an underground storm water retention chamber system will be installed.
Hazards and Nuisances including Site Safety and Noise	3	Require contractors to provide health and safety plans and monitoring during construction. The project is well-located, and the design should comply with all applicable regulations to reduce natural and man-made risks to people or property damage to both the public and users of the project. They can be included as integral components of the proposed project design by the designer (engineering designs, and/or elevation or flood protection) and can be implemented with the proposed project.

Environmental Assessment Factor	Impact Code	Impact Evaluation
SOCIOECONOMIC		
Employment and Income Patterns	1	The project will generate temporary work for the construction period. Additionally, additional municipal permanent staff will be added to provide maintenance services to revitalize the infrastructure. This infrastructure will improve livability conditions within Moca and represent the opportunity to create employment. The proposed project will assist in employment and income patterns; therefore, it leads to favorable developments for commercial, industrial, and institutional operations in the project area with better accessibility to the urban area.
Demographic Character Changes, Displacement	2	The proposed project will not significantly alter the demographic characteristics of the communities involved. Most of the proposed activities will promote the local economy and generate new job opportunities and new business opportunities by having access that integrates the community into the urban area. The proposed project will not create physical barriers or access difficulties that isolate a particular neighborhood or population group, nor will it hinder access to local services, facilities, and institutions, or other parts of the city. The project will not alter the tourist, historical, commercial, or residential uses since the proposed activities serve as an ancillary use of the commercial behavior of the area.
Environmental Justice	1	The project will benefit low- and moderate-income communities. Thus, there will be no disproportionate impact on these communities. No adverse environmental impacts were identified in the project's total environmental review. The project is in compliance with Executive Order 12898.

Environmental Assessment Factor	Impact Code	Impact Evaluation
	S AND SERV	ICES
Educational and Cultural Facilities	2	The proposed action will not affect educational facilities.
Commercial Facilities	1	The proposed action will improve access to businesses and commercial facilities in its surroundings due to better all-weather parking.
Health Care and Social Services	2	The proposed project would have little effect on regional health facilities and will not create the need for additional health care facilities. The project would not cause an increase in the demand for social services at the city or Island level.
Solid Waste Disposal / Recycling	2	The proposed action involve grading and paving a parking area and will result in minimal generation of any amounts of construction debris. Some fill/rubble may result which will be recycled if possible or transported to the appropriate landfill. During operations, the

		municipality of MOCA will provide disposal/recycling services. The overall impact in the management of solid waste in Moca will be minor.
Waste Water / Sanitary Sewers	2	The project will manage storm water during rain events. The proposed bathrooms would be connected to the city sewer system. During operations, the capacity for treatment will be provided by the PR Aqueduct and Sewer Authority.
Water Supply	2	The proposed action will not have an impact on water supply within the Moca area. During construction, most of the consumption is supplied by non-potable water trucks and will not cause increases in water demand in the area. During operations the water for the bathrooms would be provided by the PR Aqueduct and Sewer Authority.
Public Safety - Police, Fire and Emergency Medical	2	The new project is not expected to strain the effectiveness of these local services. The proposed actions will increase the resiliency of the area by providing space for emergency services during emergencies.
Parks, Open Space and Recreation	1	The proposed project is located next to the center of Moca. The improved parking will have a positive impact on the surrounding open spaces and recreational facilities.
Transportation and Accessibility	1	The proposed project would improve accessibility in the area by providing much all-weather parking.

Environmental Assessment Factor	lmpact Code	Impact Evaluation				
NATURAL FEATURES						
Unique Natural Features, Water Resources	2	The proposed project is not expected to cause any water quality problems at or around the construction site. Construction activities must implement the best management practices and will not imply discharges or sewage effluents to surface water bodies. Currently, the site consists of open ground in a developed area. Therefore, unique natural features are not expected to be affected or impact the proposed project.				
Vegetation, Wildlife 2		The site is a cleared unpaved are used for parking. It is not anticipated that trees, vegetation, or native plant community habitats will be adversely affected				
Other Factors	2	N/A				

Environmental Assessment Factor	Impact Code	Impact Evaluation			
CLIMATE AND ENERGY					
Climate Change Impacts	2	The activities of the proposed project take place next to the center of Moca. Paving the site will have a minor increase in the area's urban heat island effect. There would be no changes to the site configuration			

		or structure that would specifically address the possibility and uncertainty of rising sea levels or the possibility of increases in rainfall intensity. With respect to climate change impact on the project, there would be no impacts.
Energy Efficiency	1	During construction, most of the consumption is by internal combustion engines, it will not impact the power grid. Only the bathrooms and possibly the performance platform would include lighting. The lighting would be new efficient LED lighting. During emergencies power will be supplied by portable generators.

# Additional Studies Performed:

Asbestos Survey, August 2023, CHES Services Co. Lead Based Paint survey, August 2023, CHES Services co.

# Field Inspection (Date and completed by):

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

- 1. USFWS National Wetland Inventory
- 2. Puerto Rico Planning Board MIPR map interphase
- 3. DRNA Department of Natural and Environmental Resources
- 4. USFWS Endangered Species Act Puerto Rico Reference Map
- 5. NEPAssist National Environmental Policy Act
- 6. Environmental Protection Agency
- 7. Federal Emergency Management Agency
- 8. State Historic Preservation Office

# List of Permits Obtained:

None

# Public Outreach [24 CFR 50.23 & 58.43]:

This project includes a Finding of No Significant Impact and a Notice of Intent for Release of Funds that were issued for public review in compliance with HUD NEPA requirements.

# Cumulative Impact Analysis [24 CFR 58.32]:

Cumulative impacts result from the incremental effect of the proposed action when added to other past, present, and reasonably foreseeable future actions, regardless of what entity (government or private) undertakes such other actions. Across the street from the proposed action site lot is another unpaved area next to the baseball field, that is proposed for construction of a multi-use community center. Cumulative impacts are not expected to be significant. Existing green spaces and open spaces will not be reduced. The following cumulative impacts could be expected. The projects will impermeabilize the project sites and could increase the stormwater flow reaching the Culebrinas River. To minimize this impact, the project design requires that runoff be captured and managed on site. For this purpose, an underground storm water retention chamber system will be installed.

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

The project site is currently used for parking but is unpaved, unsuitable for ADA access, and becomes muddy and unsuitable for use as a central location for emergency vehicles during storm events.

The need for the action is for storm resistant paved parking in the downtown area that will allow better access and continuity to the Urban Center of Moca (within a 15 minute walk). The purpose of the proposed project is to improve the public infrastructure, complying with ADA regulations, promote pedestrian safety, and provide a central area that can be used by emergency vehicles during storm events. The goal of the project is to revitalize and improve downtown Moca without impacting green spaces or open spaces within the urban setting.

The proposed action is to improve the existing site. Another location that could be used is the undeveloped area to the east next to the baseball field. That location is also undeveloped and not currently used as a green space or open space. However, it is slated for development as a multi-use community center. Other locations within the walking distance goal are used as green spaces or open spaces.

Alternative upgrades (e.g., simple regrading, gravel paving, addition of parking bumpers) would not increase the resiliency of the parking lot in weather events, and would not improve ADA accessibility.

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

Currently, the Municipality maintains the existing lot which is used as unpaved parking. The site is located within one of the main entrances to the Municipality of Moca and is heavily used. If the proposed project is not implemented, there would be no improvement to parking conditions or resiliency of the area to weather events, and the ADA access would remain limited. The parking access to the central downtown area would remain unattractive during muddy conditions.

# Summary of Findings and Conclusions:

This project will provide the citizens with new public infrastructure that serves all levels of residents by providing a much-needed public infrastructure designed for parking and open space. It will also help attract visitors from other areas, likely increasing the municipality's economic activities. Because the site was previously impacted, there will be no significant environmental impact due to this action. Providing the appropriate public access infrastructure improves landscape conditions without impacting ecological resources in the area.

# 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 mitigation plan should clearly identify the staff responsible for implementing and monitoring mitigation measures.

Law, Authority, or Factor	Mitigation Measure
Erosion	Plan for Erosion and Sedimentation Control
Stormwater	USEPA Construction General Permit SWPPP
Endangered Species	If a Puerto Rican Boa is encountered, work will cease until it moves off the site or, failing that, the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Rangers will be notified for safe capture and relocation of the animal, in accordance with the USFW Puerto Rican Boa Conservation Measures guidelines.

# **Determination:**

Preparer Signature:

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

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

ford & Jama

Date:10/02/24

Name/Title/Organization: Clifford Jarman, Senior Environmental Scientist, Tetra Tech, Inc.

Certifying Officer Signature:

Same

Date: 10/02/2024

Name/Title: Sally Z. Acevedo Cosme- Permits and Environmental Compliance Specialist

The Responsible Entity must retain this original, signed document and related supporting material on file 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).

# Appendix A



North



 Figure 1: Project Location

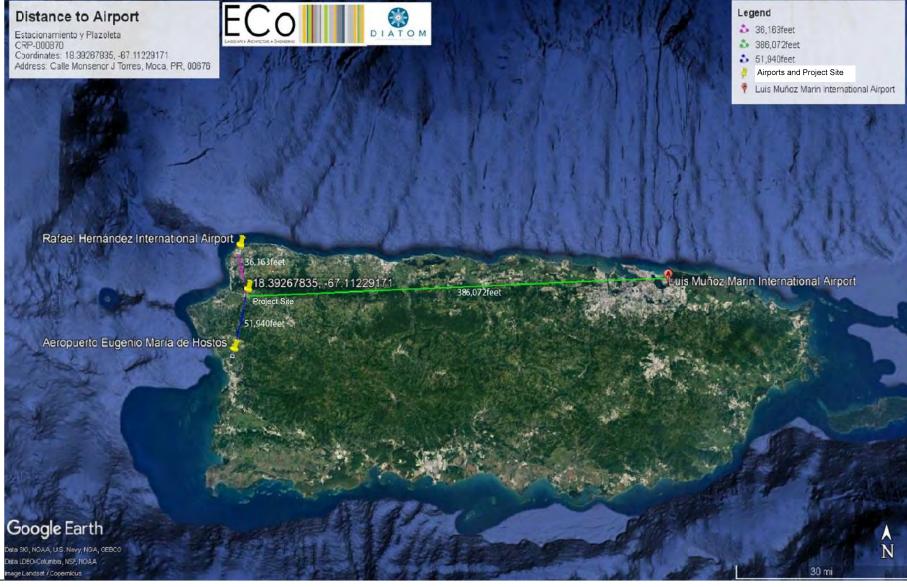
 Project Name: Estacionamiento y Plazoleta Autonomous Municipality of Moca (PR-CRP-000870)

 Location: Intersection of Calle Valentin Perez and Calle Monsenor J. Torres, Moca, PR 00676. (18.391988, -67.112296)

 Source: Google Earth

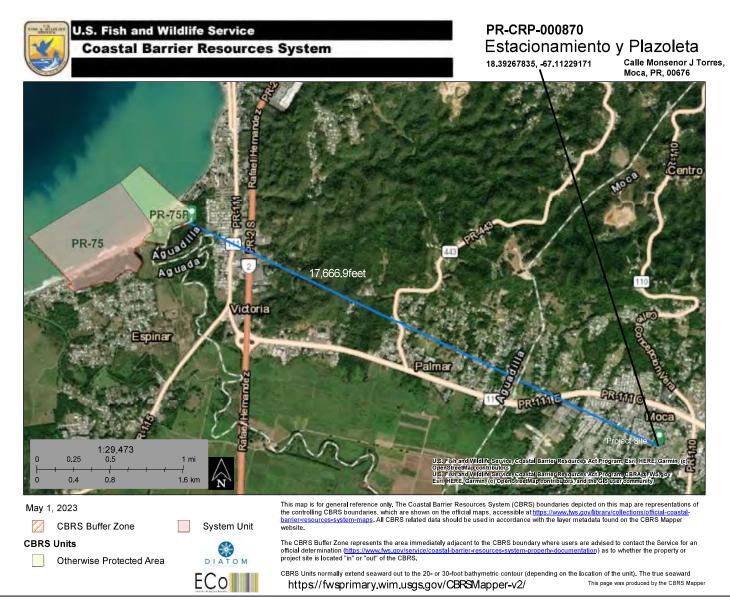
 Website: https://www.google.com/maps

 Author: Tetra Tech Inc.



### Figure 2: Airport Hazards

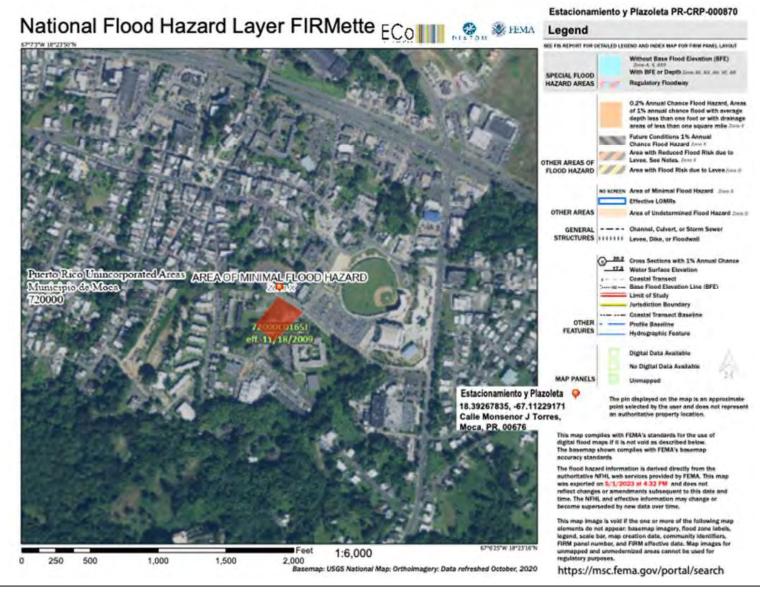
Project Name: Estacionamiento y Plazoleta Autonomous Municipality of Moca (PR-CRP-000870) Location: Intersection of Calle Valentin Perez and Calle Monsenor J. Torres, Moca, PR 00676. (18.391988, -67.112296) Source: Google Earth, CRIM, PR SHPO, NSPS NRIS Website: https://www.google.com/maps Author: Tetra Tech Inc.



#### Figure 3: Coastal Barrier Resources System Map

Project Name: Estacionamiento y Plazoleta Autonomous Municipality of Moca (PR-CRP-000870) Location: Intersection of Calle Valentin Perez and Calle Monsenor J. Torres, Moca, PR 00676. (18.391988, -67.112296) Source: USFWS Website: https://fwsprimary.wim.usgs.gov/CBRSMapper-v2/ Author: Tetra Tech Inc.





#### Figure 4: Floodplain Insurance Map

Project Name: Estacionamiento y Plazoleta Autonomous Municipality of Moca (PR-CRP-000870) Location: Intersection of Calle Valentin Perez and Calle Monsenor J. Torres, Moca, PR 00676. (18.391988, -67.112296) Source: FEMA Website: https://msc.fema.gov/portal/search Author: Tetra Tech Inc.





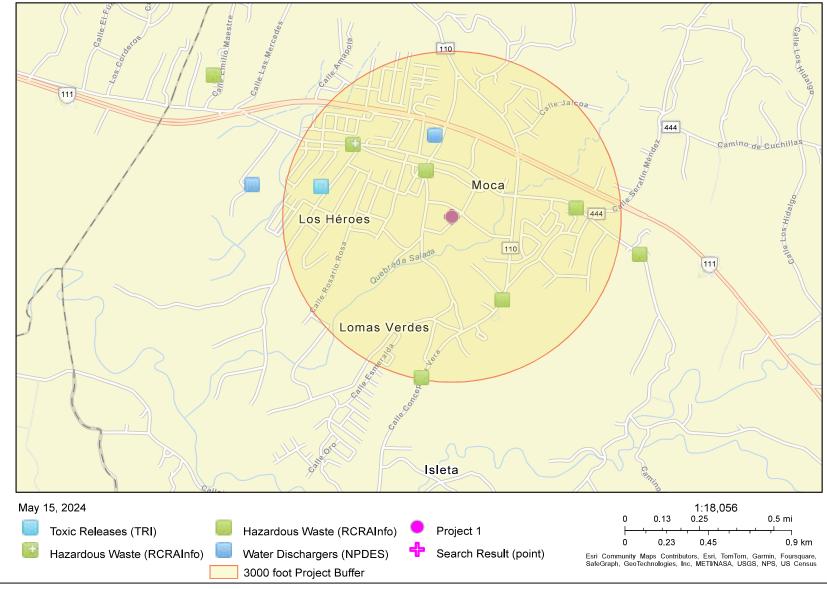
#### Figure 5: Coastal Zone Management

Project Name: Estacionamiento y Plazoleta Autonomous Municipality of Moca (PR-CRP-000870)

Location: Intersection of Calle Valentin Perez and Calle Monsenor J. Torres, Moca, PR 00676. (18.391988, -67.112296) Source: PR DRNA

\*

Website: https://www.drna.pr.gov/historico/oficinas/arn/re cursosvivientes/costasreservasrefugios/pmzc/pmzc2009/PMZCPR%20espanol%202009-fina.pdf Author: Tetra Tech Inc.



#### Figure 6: NEPAssist Map

Project Name: Estacionamiento y Plazoleta Autonomous Municipality of Moca (PR-CRP-000870) Location: Intersection of Calle Valentin Perez and Calle Monsenor J. Torres, Moca, PR 00676. (18.391988, -67.112296) Source: NEPAassit Mapper, EPA Website: https://nepassisttool.epa.gov Author: Tetra Tech Inc. Critical Habitat for Threatened & Endangered Species [USFWS] PR-CRP-000870



Earthstar Geographics

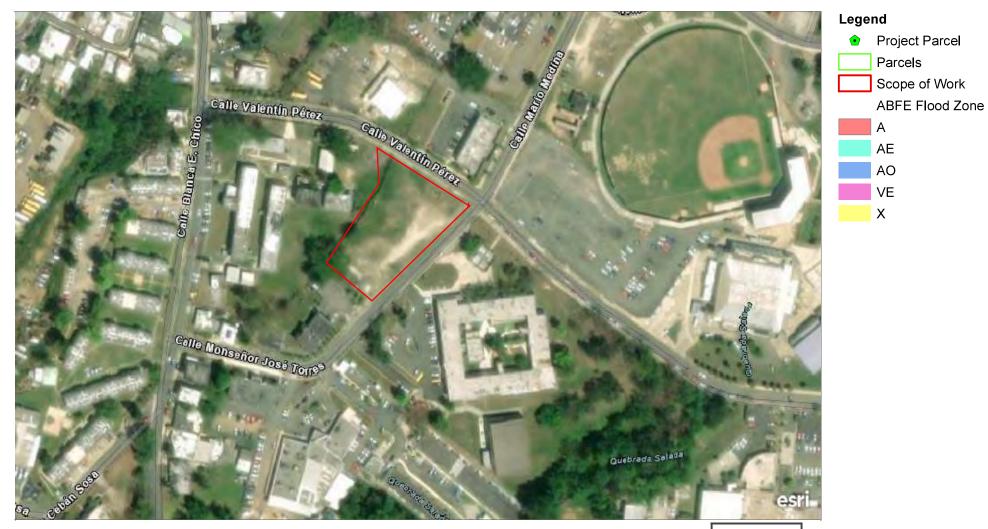
Figure 7: Critical Habitat for Threatened and Endangered Species

Project Name: Estacionamiento y Plazoleta Autonomous Municipality of Moca (PR-CRP-000870)

Location: Intersection of Calle Valentin Perez and Calle Monsenor J. Torres, Moca, PR 00676. (18.391988, -67.112296) Source: USFWS

Website: Critical Habitat for Threatened & Endangered Species [USFWS] (arcgis.com)

Author: Tetra Tech Inc.

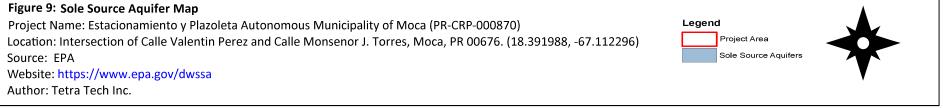


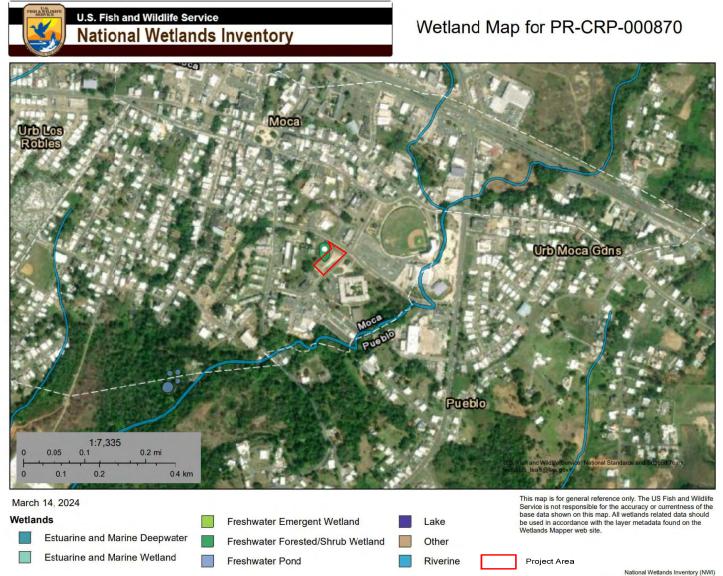
200ft

Figure 8: ABFE Map Project Name: Estacionamiento y Plazoleta Autonomous Municipality of Moca (PR-CRP-000870) Location: Intersection of Calle Valentin Perez and Calle Monsenor J. Torres, Moca, PR 00676. (18.391988, -67.112296) Source: FEMA, ESRI Website: https://www.arcgis.com/ Author: Tetra Tech Inc.









This page was produced by the NWI mapper

#### Figure 10: Wetlands Map

Project Name: Estacionamiento y Plazoleta Autonomous Municipality of Moca (PR-CRP-000870) Location: Intersection of Calle Valentin Perez and Calle Monsenor J. Torres, Moca, PR 00676. (18.391988, -67.112296) Source: USFWS NWI Website: National Wetlands Inventory (usgs.gov) Author: Tetra Tech Inc.



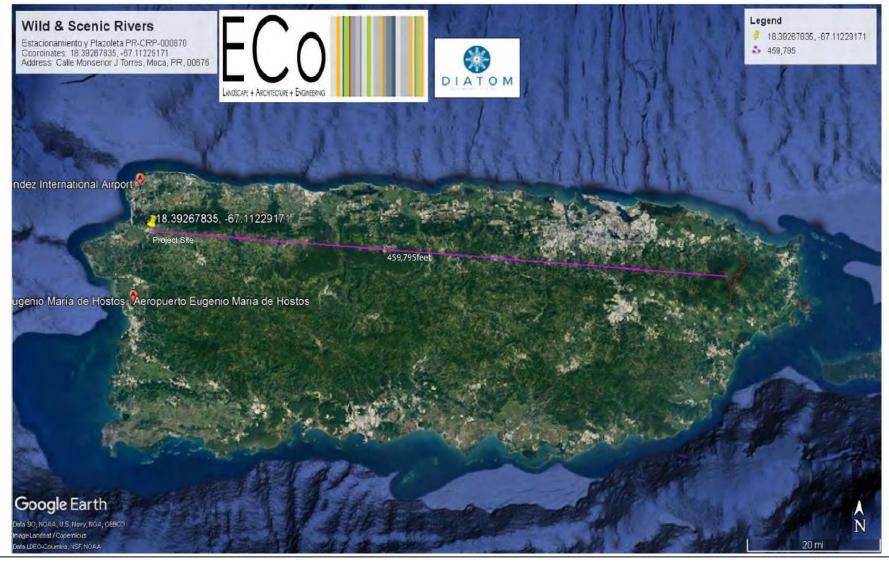


Figure 11: Wild and Scenic Rivers

Project Name: Estacionamiento y Plazoleta Autonomous Municipality of Moca (PR-CRP-000870) Location: Intersection of Calle Valentin Perez and Calle Monsenor J. Torres, Moca, PR 00676. (18.391988, -67.112296) Source: Google Earth Website: https://www.google.com/maps Author: Tetra Tech Inc.



# Appendix B

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

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

Data is current as of February 29, 2024

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

\* The 1997 Primary Annual PM-2.5 NAAQS (level of 15 µg/m<sup>3</sup>) is revoked in attainment and maintenance areas for that NAAQS. For additional information see the PM-2.5 NAAQS SIP Requirements Final Rule, effective October 24, 2016. (81 FR 58009)

#### Change the State:

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Important	Notes		Download	National Datas	et: dbf xls		dictionary	
	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/ Part County	Population (2010)	State/ County FIPS Codes
PUERTO								
Arecibo Municipic	(2008)	Arecibo, PR	11 12 13 14 15 16 17 18 19 20 21 22 23 24	//		Part	32,185	72/013
Bayamon Municipic	Sulfur Dioxide (2010)	San Juan, PR	18192021222324	//		Part	22,921	72/021
Catano Municipio	Sulfur	Son Juan	18192021222324	//		Whole	28,140	72/033
Guaynabo Municipio	PM-10	Mun. of Guaynabo, PR	929394959697989900010203040506070809	02/11/2010	Moderate	Part	90,470	72/061
Guaynabo Municipic	Sulfur Dioxide (2010)	San Juan, PR	18192021222324	//		Part	23,802	72/061
Salinas Municipic	Dioxide (2010)	Guayama-	18192021222324	//		Part	23,401	72/123
San Juan Municipic	Sulfur Dioxide (2010)	San Juan, PR	18192021222324	11		Part	147,963	72/127
Toa Baja Municipio	Sulfur Dioxide (2010)	San Juan, PR	18192021222324	11		Part	52,441	72/137

Important Notes

# Appendix C



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

# Project CRP-000870 Estacionamiento y Plazoleta de

# Actividades

Calle Monseñor Torres int. Calle Valentin Pérez, Moca PR

# August 2023

Prepared for:

ECo Landscape + Architecture + Engineering 103 Isabel Andreu Aguilar, 4th Floor, San Juan PR

Prepared by:

CHES Services, Corporation CHES Project No.: C4549

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

Survey Report for Asbestos Containing Materials

Project CRP-000870 Estacionamiento y Plazoleta de Actividades, Moca PR

Project ID No.: C4549 | Estacionamiento y Plazoleta de Actividades

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### Tables

Ref .: C4549\_CRP-000870, Moca\_ACM Survey Report

Survey Report for Asbestos Containing Materials Project CRP-000870 Estacionamiento y Plazoleta de Actividades, Moca PR Project ID No.: C4549 | Estacionamiento y Plazoleta de Actividades

#### Executive Summary

Our office, CHES Services, Corporation (CHES) d/b/a Fernando L. Rodríguez, P. E. & Associates (FLRA), was contracted by ECo Landscape + Architecture + Engineering, to conduct an Environmental Site Assessment to determine if Asbestos Containing Materials (ACM) are present in the building identified by the client as the Project CRP-000870 Estacionamiento y Plazoleta de Actividades located at Calle Monseñor Torres int. Calle Valentin Pérez, Moca PR. 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 to any demolition and/or remodeling activity is conducted in the subject building structure. The survey work described in this report was conducted for ECo Landscape + Architecture + Engineering, in accordance with the CHES proposal number C4549 dated June 14, 2023. 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 know the site, and sampling activities conducted by accredited inspectors. The survey revealed the following:

CHES performed a survey to identify ACM at Project CRP-000870 Estacionamiento y Plazoleta de Actividades on July 7, 2023. During the visual inspection, no suspected ACM was identified, therefore, no laboratory analyses were required. Furthermore, no Presumed ACM were also identified.

The survey confirms that asbestos contaminants were not present in the subject property during the inspection. If any other suspected ACM is identified within the subject building that was not included in this survey, it should be sampled by an accredited inspector to determine if it does contain asbestos fibers. Project ID No.: C4549 | Estacionamiento y Plazoleta de Actividades

# 1. Introduction

#### 11 Scope of Work

CHES Services, Corporation (CHES) was contracted by ECo Landscape + Architecture + Engineering, to conduct an environmental site assessment at the

#### 1.2. Special Terms and Conditions

The site assessment work described in this report was conducted for Project CRP-000870 Estacionamiento y Plazoleta de Actividades on July 7, 2023 in accordance with CHES proposal number C4549 dated June 14, 2023. This report has been prepared for the exclusive use of ECo Landscape + Architecture + Engineering.

#### 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 lots subject to this Survey Report for Asbestos Containing Materials, are located in Calle Monseñor Torres int. Calle Valentin Pérez, Moca PR, an urbanized area in the city center. The surveyed area was identified within one cadaster numbers 070-042-023-63 as Project CRP-000870 Estacionamiento y Plazoleta de Actividades.

At the time of the site inspection efforts, the surveyed areas correspond to undeveloped land lots currently used as parking areas. Refer to Appendix 1 for aerial location map of the site and a photographic summary of site conditions during the efforts.

## Asbestos Containing Material Survey

#### 3.1 Survey Personnel and Laboratory

The ACM survey activities were conducted on July 7, 2023, by the accredited personnel. The accredited inspector(s) made reasonable effort to inspect all accessible areas of the subject property building for ACM.

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

•	Mr, Fernando L. Rodríguez	Project Manager, CHES Asbestos Accredited Inspector: ASB-0223-0085-SI
•	Miss Hanna K. Rodríguez	Asbestos Inspector, CHES Asbestos Accredited Inspector: ASB-1022-0397-SI
ł	Miss Carmen M. Figueroa	Asbestos Inspector, CHES Asbestos Accredited Inspector: ASB-1022-0396-SI

#### 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 inspection of all accessible building areas was conducted to locate and identify any building material suspected to contain asbestos. During the visual assessment, any suspected ACM was to be categorized by homogeneous areas (appear uniform, have a consistent texture, and appear to have been installed at the same time). Afterwards, representative samples of identified suspected ACM, were to be collected at random, 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).

After the initial visual inspection, no materials suspected to contain asbestos were identified, therefore no sampling was required. Although reasonable effort was made to survey accessible areas; additional materials could be in or behind hidden wall panels, in voids or in other concealed areas. Refer to the Appendix Section 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 1.

Survey Report for Asbestos Containing Materials

Project CRP-000870 Estacionamiento y Plazoleta de Actividades, Moca PR Project ID No.: C4549 | Estocionamiento y Plazoleta de Actividades

Table 1: Inaccessible Areas and/or Materials

Location	Explanation
N/A	All accessible areas were surveyed.

Additionally, and unless specifically noted, the survey did not cover due to the building structural conditions:

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

**3.3. ACM Survey Findings** 

3.3.1 Analytical Results

During the inspection efforts at the subject property, no suspected ACM materials were identified, therefore sampling and corresponding analyses were not required.

3.3.2. Asbestos Containing Materials (ACM)

No ACM was identified during this survey.

### 4. Conclusions

The survey confirms that ACM was not found within the subject property. CHES concludes if any additional suspected 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 Section 3.3 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 lie 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 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 Project CRP-000870 Estacionamiento y Plazoleta de Actividades located in Calle Monseñor Torres int. Calle Valentin Pérez, Moca PR. This study was performed as per the request of Mr. Edmundo Colón Izquierdo, AIT, representing ECo Landscape + Architecture + Engineering, renovation project designer.

Enviror mental Professional's Sir ature

August 17, 2023

Date

Name:

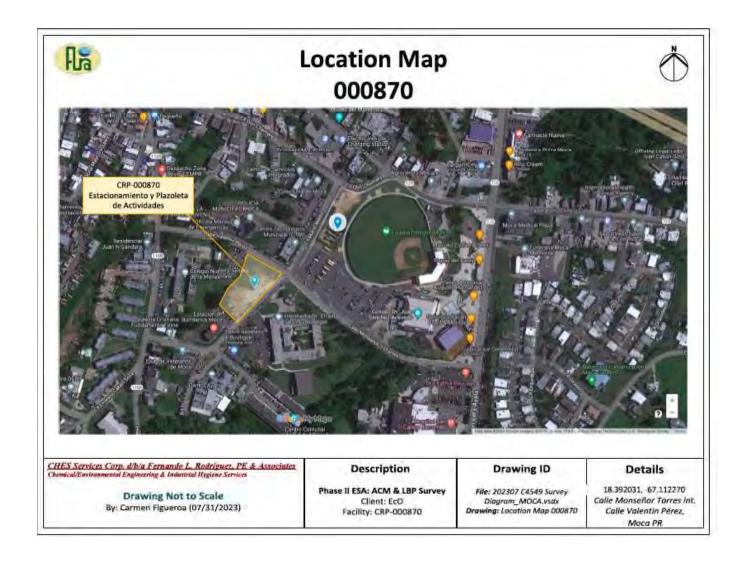
Mr. Fernando L. Rodríguez Project Manager Asbestos Accredited Inspector, ASB-0223-0085-SI

Project ID No.: C4549 | Estacionamiento y Plazoleta de Actividades

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. Bax 195450 | San Judon, P.R. 00919-5450 | Web <u>waver firaches coms</u> Tel. (787) 751-7810 | Fax (787),751-8988 | Skype firaches Learn about our new company, a subsidiary of CHES/FLRA: IEMES, PSC (www.iemespsc.com)



			ACM Survey Photo Lo
Project Name: y Piazoleta de Ad	CRP-000870 Estacionamiento ctividades	Site Location Calle Monseñor Torres, int. Calle Valentin Pérez, Moca PR	Project No. 619-C4549
Photo No. 1	Date: 7/7/2023		and the second s
Description: CRP-00080 Exterior - Curb Calle Don Cher No suspected /			
Photo No. 2	Date: 7/7/2023		A.M.
Medina	nary int. Calle Mario ACM was found.		

No suspected	ACM were identified during the survey.	

Project ID No.: C4549 | Estacionamiento y Plazaleta de Actividades

Appendix 2: Asbestos Survey Schematic Diagram and Sample Photo Log

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



Project ID No.: C4549 | Estacionamiento y Plazaleta de Actividades

Appendix 3: Analytical Results and Laboratory Certifications (N/A)

CHES Services Corp. d/b/a Fernando L. Rodríguez, P.E. & Associates P.O. Bax 195450 | San Juan, P.R. 00919-5450 | Web: unaw.flatches.com Tel. (787) 751-7810 | Fax (787) 751-8988 | Skype: flatches Learn about our new company, a subsidiary of CHES/FLRA: IEMES, PSC (www.iemespisc.com)

Project ID No.: C4549 | Estacionamiento y Plazoleta de Actividades

Appendix 4: Inspectors' Qualifications

# CHES Services Corp.

d/b/a Fernando L. Rodríguez, P.E. & Associates P.O. Bax 193450 | San Jude, P.R. 00919-3450 | Web: wave firsches.com Tel. (787) 751-7810 | Fax (787) 751-8988 | Skype: firsches Learn about our new company, a subsidiary of CHES/FLRA: IEMES, PSC (www.iemespsc.com)

## CHES Services Corp.

d/b/a Fernando L. Rodríguez, P.E. & Associates PO Box 193430, San Juan, PR 00919-5450 | Tel: (787) 751-7810 | Web: source, fraches.com

### ACM QUALIFICATIONS

1A-oct-2023 Fring de versionente



Qualifications included above are exclusive used for projects by: CHES Services, Corp. d/b/a Fernando L. Rodriguez, PE & Associates 2023



CHES is the parent or parallel company of IEMES, PSC

Project ID No.: C4549 | Estacionamiento y Plazoleta de Actividades

Appendix 5: Asbestos No Presence Certifications (if applicable)

# CHES Services Corp.

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### **GOBIERNO DE PUERTO RICO** OFICINA DEL GOBERNADOR JUNTA DE CALIDAD AMBIENTAL



PUENTO ROO

VERDE

Área de Calidad de Agua

Forma PGC-009

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

(Deberá completarse en letra de molde o impresa)

Yo, WO. PERMANDO		mayor de	edad, SOLTE (Estado	RO , y vecino de Civil)	(Municip	
Dirección Postal	PO BOX 1	C. C. L. M. M.	Sealing the sealing of the	PR 00919-3430		C
Teléfonos: Residencia Fax		ebio) 7810 6958	(Zp Co Oficina (787	<sub>de)</sub> <u>751_</u> 7810	Ext	_
Certifico que:						
La estructura locali	zada en CRP-0008	70 Estaci	ionamiento Y P	lazoeta de Activida	des la cual se	erá objeto de un
	Calle Mario entra libre de asbest	Medina, M	Moca PR		in outsi of	
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La información ante	es indicada es cierta	y correcta	a.,			
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### 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

# Project CRP-000870 Estacionamiento y Plazoleta de

# Actividades

Calle Monseñor Torres int. Calle Valentin Pérez, Moca PR

### August 2023

Prepared for:

EcO Landscape + Architecture + Engineering 103 Isabel Andreu Aguilar, 4th Floor, San Juan PR

Prepared by:

CHES Services Corporation CHES Project No.: C4549

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

	Survey Report for Lead-Based Paint
Project CRP-000870 Estacionamiento	
and a second	amiento y Plazoleta de Actividades
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## Tables

Ref.: C4549\_CRP-000870, Moca\_LBP Survey Report

### Executive Summary

Our office, CHES Services, Corporation (CHES) d/b/a Fernando L. Rodríguez, P. E. & Associates (FLRA), was contracted by EcO Landscape + Architecture + Engineering, to conduct an Environmental Site Assessment to determine if Lead-Based Paint (LBP) is present in the lots identified by the client as the Project CRP-000870 Estacionamiento y Plazoleta de Actividades and located at Calle Monseñor Torres int. Calle Valentin Pérez, Moca PR. All work was conducted by certified personnel and sampling was conducted in accordance with established sampling protocols.

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 EcO Landscape + Architecture + Engineering, in accordance with the CHES proposal number C4549 dated June 14, 2023. 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 people who knows the site, and sampling activities conducted by accredited inspectors.

CHES perform a survey to identify LBP at Project CRP-000870 Estacionamiento y Plazoleta de Actividades on July 7, 2023, and LBP was not identified on the components and/or surface.

The survey confirms that LBP contaminant was NOT 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.

## 1. Introduction

### 1.1. Scope of Work

CHES Services, Corporation (CHES) was contracted by EcO Landscape + Architecture + Engineering, to an environmental site assessment at the Project CRP-000870 Estacionamiento y Plazoleta de Actividades located in Calle Monseñor Torres int. Calle Valentin Pérez, Moca PR. The purpose of the survey was to determine if Lead-Based Paint (LBP) is present in the subject lots.

### 1.2. Special Terms and Conditions

The site assessment work described in this report was conducted for the identified Project CRP-000870 Estacionamiento y Plazoleta de Actividades on July 7, 2023 in accordance with CHES proposal number C4549 dated June 14, 2023. This report has been prepared for the exclusive use of EcO Landscape + Architecture + Engineering.

### 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.

## 2. Building Description

### 2.1. Location and Site Description

The lot subject to this Survey Report for Lead-Based Paint, is located in Calle Monseñor Torres int. Calle Valentin Pérez, Moca PR, an urbanized area in the city center. The surveyed area was identified within the cadaster number 070-042-023-63 and identified as Project CRP-00080 Estacionamiento y Plazoleta de Actividades.

At the time of the site inspection efforts, the surveyed area corresponds to undeveloped land lot currently used as parking areas. Ground surface was observed unimproved with concrete curb around most of the lot perimeter. Refer to Appendix 1 for aerial location map of the site and a photographic summary of site conditions during the efforts.

## 3. Lead-Based Paint Survey

### 3.1. Survey Personnel and Laboratory

The LBP survey activities were conducted on July 7, 2023, 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. Rodriguez	Project Manager, CHES Lead Accredited Inspector: LBPI-30522-321
Miss Carmen Figueroa	Field Accredited Inspector, CHES Lead Accredited Inspector: LBPI-30522-322
<ul> <li>Miss Hanna K. Rodríguez</li> </ul>	Lead Competent Person, CHES Lead Inspector accreditation under renovation: LBPI-15322-137

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

Project CRP-000870 Estacionamiento y Plazoleta de Actividades, Moca PR

Project ID No.: C4549 | Estacionamiento y Plazoleta de Actividades

#### 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 3-1.

Table 3-1: Inaccessible Areas and/or Materials

Location	Explanation	
N/A	All areas were surveyed.	

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

Hidden and/or inaccessible locations.

#### 3.3. LBP Survey Findings

#### 3.3.1 XRF Results

A total number of 7 testing combinations were sampled within the subject building area. 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. No positive readings were identified per this survey.

#### 4. Conclusions

CHES concludes that no material was identified as lead based paint. 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.

Project ID No.: C4549 | Estacionamiento y Plazoleta de Actividades

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. Rodriguez, 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 Project CRP-000870 Estacionamiento y Plazoleta de Actividades located in Calle Monseñor Torres int. Calle Valentin Pérez, Moca PR. This study was performed as per the request of Mr. Edmundo Colón Izquierdo, AIT, from EcO Landscape + Architecture + Engineering, renovation project designer.

Environmental Professional's Signature

August 17, 2023

Date

Name:

Mr. Fernando L. Rodríguez Project Manager Lead Accredited Inspector, LBPI-30522-321

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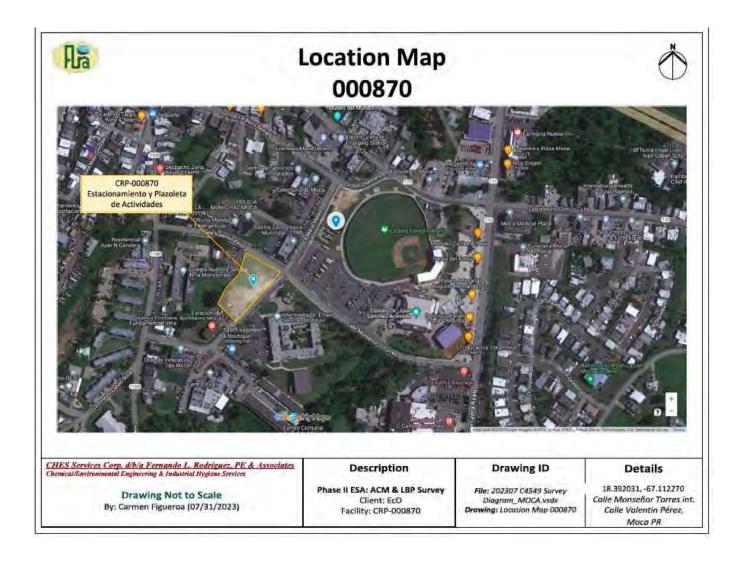
Project ID No.: C4549 | Estacionamiento y Plazoleta de Actividades

Appendix

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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. Bax 195450 | San Juan, P.R. 00919-5450 | Web: unaw firsches.com Tel.: (787) 751-7810 | Fax (787) 751-8988 | Skype: firsches Learn about our new company, a subsidiary of CHES/FLRA: IEMES, PSC (<u>www.iemespsc.com</u>)



An			LBP Survey Photo Log
Project Name: CRP-D00870 Esta	icionamiento y Plazoleta	Site Location Calle Monseñor Torres, Int. Calle Valentin Pérez, Moca PR	Project No. 619-C4549
Photo No. 14	Date: 7/7/2023	-	- ** ·
Description: CRP-00080 Exterior - Curb Calle Don Chen No LBP was ide	nary		
Photo No. 11	Date: 7/7/2023		
Description: CRP-00060 Exterior - Curb Calle Don Chen Medina No LBP was ide	nary int. Calle Mario		

Inspector: 🖯 Carmer	M-Figueroa Santiago	Accreditations:	
lamen	VAA.2	LBPI-30522-322	

Project ID No.: C4549 | Estacionamiento y Plazoleta de Actividades

Appendix 2: LBP Survey Schematic Diagram and Sample Photo Log

CHES Services Corp. d/b/a Fernando L. Rodríguez, P.E. & Associates P.O. Box 193450 | San Juan, P.R. 00919-3450 | Web: unur finaches com Tel: (787) 751-7810 | Fax (787) 751-8988 | Skype: finaches Learn about our new company, a subsidiary of CHES/FLRA: IEMES, PSC (www.iemespsc.com)



Project ID No.: C4549 | Estacionamiento y Plazoleto de Actividades

Appendix 3: XRF Readings and Unit's Certifications

CHES Services Corp. d/b/a Fernando L. Rodríguez, P.E. & Associates P.O. Box 193450 | San Juan, P.R. 00919-5450 | Web: unue firsches com Tel.-(787) 751-7810 | Fax (787) 751-8988 | Skype: firsches Learn about out new company, a subsidiary of CHES/FLRA: IEMES, PSC (uwww.iemespsc.com)

# 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 subeidiary, IEMES, PSC: www.iemespie.com

## Ra

Project:	C4549: CRP-000870 Estacionamiento y	Plazoleta	Dat	te: July 7, 2023			XRF Serial N	lo.: XLP19196
Address:	Calle Monseñor Torres int, Calle Valenti	n Pérez, Moca PR	Inspecto		Model No.: XLP300A			
Reading	Site	Substrate	Component	Color	Roor	Room	Results	Pb [mg/cm <sup>2</sup> ]
89	1		Shutter Calibration				7.07	C. C
90	1	Initial Calibration Check	- Using Standard SRM 2573 (1.04	( ± 0.05 mg/cm <sup>2</sup> )			Positive	3
91	L	Initial Calibration Check	- Using Standard SRM 2573 (1.04	± 0.05 mg/cm <sup>2</sup> )			Positive	1.1
92		Initial Calibration Check	- Using Standard SRM 2573 (1.04	± 0.06 mg/cm <sup>2</sup> )			Positive	1
167	CRP-000870 Estacionamiento y Plazoleta	Concrete	Curb	White	1	Exterior	Negative	0
168	CRP-000870 Estacionamiento y Plazoleta	Concrete	Curb	White	1	Exterior	Negative	
169	CRP-000870 Estacionamiento y Plazoleta	Concrete	Curb	White	1	Exterior	Negative	
170	CRP-000870 Estacionamiento y Plazoleta	Concrete	Curb	Traffic Yellow	1	Exterior	Negative	0.03
171	CRP-000870 Estacionamiento y Plazoleta	Concrete	Curb	Traffic Yellow	1	Exterior	Negative	0.08
172	CRP-000870 Estacionamiento y Plazoleta	Concrete	Curb	No paint	1	Exterior	Negative	(
173	6 CRP-000870 Estacionamiento y Plazoleta	Concrete	Curb	Traffic Yellow	1	Exterior	Negative	0.12
174	6	Final Calibration Check	- Using Standard SRM 2573 (1.04	$\pm 0.06 \text{ mg/cm}^2$ )			Positive	1.1
175	10	<b>Final Calibration Check</b>	- Using Standard SRM 2573 (1.04	$\pm 0.06 \text{ mg/cm}^2$ )			Positive	3.3
176		<b>Final Calibration Check</b>	- Using Standard SRM 2573 (1.04	± 0.06 mg/cm <sup>2</sup> )			Positive	1.1

20230707 Centro Multiusos Prepared by FLRA

1 of 1

Project ID No.: C4549 | Estacionamiento y Plazoleta de Actividades

Appendix 4: Inspectors' Qualifications

CHES Services Corp. d/b/a Fernando L. Rodriguez, P.E. & Associates P.O. Bax 193430 | San Juan, P.R. 00919-3430 | Web: usuau fraches.com Tel: (187) 751-7810 | Fax (187) 751-8988 | Skype: fraches Learn about our new company, a subsidiary of CHES/FLRA: IEMES, PSC (www.iemespsc.com)

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### CHES Services Corp. d/b/a Fernando L. Rodriguez, P.E. & Associates PO Box 195450, San Juan, PR 00919-5450 | Tel.: (787) 751-7810 | Web: www.finaches.com

#### LBP QUALIFICATIONS



#### Accreditation currenty under renovation



Qualifications included above are exclusive used for projects by: CHES Services, Corp. d/b/a Fernando L. Rodríguez, PE & Associates<sup>2023</sup>



Litstarjeka autorita a.

Carmen Figueroa Santiago

Pare realizer actividades relacionadas a Mitigación de Pintura con Base de Pinnor

Fesha de Expiración: Noviembre 18, 2023

ento da Ramarama Matinales y

Discipling: Inspector

CHIEFLERNINH

LBPI-30522-322



Project ID No.: C4549 | Estacionamiento y Plazoleta de Actividades

Appendix 5: LBP No Presence Certifications (if applicable)

CHES Services Corp. d/b/a Fernando L. Rodriguez, P.E. & Associates P.O. Box 193450 | San Juan, P.R. 00919-5450 | Web: unsue finaches.com Tel: (787) 751-7810 | Fax (787) 751-8988 | Skype: finaches Learn about our new company, a subsidiary of CHES/FLRA: IEMES, PSC (www.iemespsc.com)



#### **GOBIERNO DE PUERTO RICO** OFICINA DEL GOBERNADOR JUNTA DE CALIDAD AMBIENTAL



Área de Calidad de Agua

Forma PGO-010

#### CERTIFICACION DE NO PRESENCIA DE PINTURA CON BASE DE PLOMO EN ESTRUCTURAS A DEMOLERSE (Deberá completarse en letra de molde o impresa)

	NUM. PERMISO:
Yo	), ING. FERNANDO L. RODRIGUEZ _, mayor de edad, SOLTERO, y vecino de SAN JUAN (Inspector o Evaluador de Riesgos) (Estado Civil) (Municipio)
Di	rección Postal PO BOX 193430 SAN JUAN PR 00919-3430
Te	(Pueblo) (Zip Code) eléfonos: Residencial () Oficina ( <u>787</u> ) <u>751</u> - <u>7810</u> Ext Fax ()
ce	rtifico que:
	Estoy certificado por la Junta de Calidad Ambiental como (
	La estructura localizada en <u>CRP-000870 Estacionamiento Y Plazoleta de Actividades;</u> , la cual será objeto de una Moca, PR demolición se encuentra libre de pintura con base de plomo.
<b>.</b>	La información antes indicada es cierta y correcta.
	Afirmo y reconozco las consecuencias de incluir y someter información falsa en este documento.
5.	Para que así conste, firmo la presente certificación en <u>San Juan</u> de Puerto Rico, hoy día <u>17</u> de <u>agosto</u> de <u>2023</u> (Municipio)
	Firma del Inspector o Evaluador de Eleisgos (en original)
	Nota : Deberá someter evidencia de la tarjeta o certificado 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, Santurco, PR 00910-1488 Tel. (787) 767-8181 - Fax (787) 767-1962





# **Detailed Facility Report**

# **Facility Summary**

HERNANDEZ SERVICE STATION

# CARR 111 KM 4.5 BO PUEBLO, MOCA, PR 00676

FRS (Facility Registry Service) ID: 110004893893

EPA Region: 02

Latitude: 18.397473

Longitude: -67.118535

Locational Data Source: FRS

Industries: --

Indian Country: N

## **Enforcement and Compliance Summary**

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

## **Regulatory Information**

Clean Air Act (CAA): No Information Clean Water Act (CWA): No Information

## **Other Regulatory Reports**

Air Emissions Inventory (EIS): No Information Greenhouse Gas Emissions (eGGRT): No Information Toxic Releases (TRI): No Information Resource Conservation and Recovery Act (RCRA): Inactive Compliance and Emissions Data Reporting Interface Other, (PRR000008516) (CEDRI):

No Information

Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details

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

# **Facility/System Characteristics**

## **Facility/System Characteristics**

FRS		110004893893						Ν	18.397473	-67.118535
System	Statute	Identifier	Universe	Status	Areas	Permit Expir	ation Date	Indian Country	Latitude	Longitude
Facili	ty Ad	ldress								
FRS		110004893893	HERNANDEZ	SERVICE STATI	ОN	CARR 111 KM 4	4.5 BO PUEBLO	, MOCA, PR 00676	Moca	Municipio
System	Statute	Identifier		Facility Name			Facility	/ Address	Fa	cility County
System	Iden	tifier SIC Co No data records	de	SIC Descriptio		Codes <sub>System</sub>	l y CIA	NAICS Code	NAICS De	·
	1	No data records	returned			System				scription
								ata records retur		
						Facility	y Trib	e Inform	ation	
						Reservation Na	me Tribe N	ame EPA Tribal ID	Distance to	Tribe (miles)
							No da	ata records retur	ned	
Enfo	orce	ment a	and (	Comp	olia	nce				
Comp	oliano	ce Monit	oring	; Histo	ory	Last 5 Years				

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

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

## **Compliance Summary Data**

Statute	Source ID	Current SN	C (Significa	int Noncom Violatio	•	PV (High P	riority	Current As Of	s Qtrs v	vith NC (No 12			Data La Refresh		
Гhr	ee-Ye	ar Con	nplia	nce	Histo	ory b	y Qu	ıarte	r						
Statute	•	utant/Violation pe	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12	
RCRA	(Source ID: PRI	R000008516)	07/01- 09/30/21	10/01- 12/31/21	01/01- 03/31/22	04/01- 06/30/22	07/01- 09/30/22	10/01- 12/31/22	01/01- 03/31/23	04/01- 06/30/23	07/01- 09/30/23	10/01- 12/31/23	01/01- 03/31/24	04/01- 06/30/2	
	Facility-Le	evel Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violatio Identifie	
Violation Agency															
Informal Enforcement Actions     Last 5 Years       Statute     System     Source ID     Type of Action     Lead Agency     Date															
		System		Source			Type of Action				Leud Agen	.,	Du		
					No c	lata reco	ords retu	rned							
Entries	in italics ar	e not counte	d as "inf	formal er	nforceme	ent actio	ns" in EF	A policie	s pertain	ing to er	nforceme	ent respo	nse tool	s.	

For	mal	Enf	orc	eme	ent	Act	ions	<b>S</b> Las	t 5 Years						
Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
							Nc	data re	ecords return	ned					

# **Environmental Conditions**

## Watersheds

Boun	it WBD (Wa dary Datase D (Reach Ad Database)	et) HUC Idress	Dataset) Subw (RAD (Rea	hed Boundary vatershed Name och Address base))	tershed Name (ICIS (Integrated Address Compliance Information			Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Potentially (Endangered Spec Related to Act)-listed Aquat		
		1				lata records		• /		- )		
ASS	sesse	ea w	aters	From I	latest	State	Submi	.ssion (	ATTAINS	5)		
State	Report Cycle	Assess Unit		sment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Us		Fish Consumption Use	Recreation Use	Other Use	
					No d	lata records	returned					
Air	Qua	lity	Nonat	tainm	ent Ai	reas						
Polluta	with With		ainment Status ea?	Nonati	tainment Stat Standard	us Applicable (s)	Within M	aintenance Statu Area?		ce Status Applic candard(s)	able	
					No d	lata records	returned					

## Pollutants

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

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

No data records returned

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

**Chemical Name** 

No data records returned

# Community

## **Environmental Justice**

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

#### **Potential Environmental Justice Concerns**

**US** Territory

Located in an area having 1 or more Census Block Supplemental State or US Percentiles >= 90%

Located in an area having 1 or more 1-Mile Average Supplemental State or US Percentiles >= 90%

### **EJScreen Indexes Shown**

### **Related Reports**

EJScreen Community Report

Index Type

Supplemental (default)

					Downlo	oad Data	
Census Block Group ID: 720994202002	US (	Percentile)		State (Percentile)			
Supplemental Indexes	Facility Census Block Group	1-mile Avg	1-mile Max	Facility Census Block Group	1-mile Avg	1-mile Max	
Count of Indexes At or Above 90th Percentile	5	4	6	1	1	3	
Particulate Matter 2.5		N/A			N/A		
Ozone		N/A			N/A		
Diesel Particulate Matter	5	4	8	57	44	57	
Air Toxics Cancer Risk	54	52	55	85	56	90	
Air Toxics Respiratory Hazard Index	38	35	40	84	57	90	
Toxic Releases to Air	99	99	99	98	92	<b>D</b> 99	
Traffic Proximity	99	94	99	86	54	86	
Lead Paint	94	82	<b>9</b> 94	70	45	70	
Risk Management Plan (RMP) Facility Proximity	97	93	99	65	54	78	
Hazardous Waste Proximity	72	65	79	16	13	28	
Superfund Proximity	88	82	89	3	3	6	
Underground Storage Tanks (UST)	0	89	<b>9</b> 96	0	66	81	
Wastewater Discharge	99	99	99	80	69	82	

Map Display Based on: 🔘 US 🔘 State

Display Map Layer

Summary - Number of Indexes

○ Facility 1-mile Radius □ Facility Census Block Group

+



## Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <a href="https://epa.gov/help/reports/dfr-data-dictionary#demographics">https://epa.gov/help/reports/dfr-data-dictionary#demographic>.</a>

High School Diploma

Some College/2-year

General Statistics (U.S. Census)				
Total Persons	6,454			
Population Density	2,107/sq.mi.			
Housing Units in Area	2,902			
General Statistics (ACS (American Community Surve	y))			
Total Persons	5,839			
Percent People of Color	100%			
Households in Area	2,268			
Households on Public Assistance	103			
Persons With Low Income	4,091			
Percent With Low Income	70%			
Geography				
Radius of Selected Area	1 mi.			
Center Latitude	18.397473			
Center Longitude	-67.118535			
Land Area	100%			
Water Area	0%			

Age Breakdown (U.S. Census) - Persons (%)	)
Children 5 years and younger	351 (5%)
Minors 17 years and younger	1,532 (24%)
Adults 18 years and older	4,922 (76%)
Seniors 65 years and older	1,161 (18%)
Race Breakdown (U.S. Census) - Persons (%	6)
White	5,708 (88%)
African-American	362 (6%)
Hispanic-Origin	6,411 (99%)
Asian/Pacific Islander	11 (0%)
American Indian	9 (0%)
Other/Multiracial	364 (6%)
Education Level (Persons 25 & older) (ACS Persons (%)	American Community Survey)) -
Less than 9th Grade	659 (15.04%)
9th through 12th Grade	272 (6.21%)

1,293 (29.51%)

589 (13.44%)

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

Greater than \$75,000	122 (5.39%)
\$50,000 - \$75,000	256 (11.31%)
\$25,000 - \$50,000	572 (25.28%)
\$15,000 - \$25,000	338 (14.94%)
Less than \$15,000	975 (43.08%)

Education	Level (Persons 2	5 & older) (ACS (Ar	nerican Commu	nity Survey)) -
Persons (%	a)			

B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More

1,071 (24.45%)



# **Detailed Facility Report**

## **Facility Summary**

**MOCA SS 2461** 

# CALLE BALDORIOTY Y BARBOSA, MOCA, PR 00676

FRS (Facility Registry Service) ID: 110007817924

EPA Region: 02

Latitude: 18.395604

Longitude: -67.117345

Locational Data Source: RCRAINFO

Industries: --

Indian Country: N

## **Enforcement and Compliance Summary**

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

## **Regulatory Information**

Clean Air Act (CAA): No Information Clean Water Act (CWA): No Information

## **Other Regulatory Reports**

Air Emissions Inventory (EIS): No Information Greenhouse Gas Emissions (eGGRT): No Information Toxic Releases (TRI): No Information 

 Resource Conservation and Recovery Act (RCRA): Inactive
 Compliance and Emissions Data Reporting Interface

 Other, (PRR000003905)
 (CEDRI):

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

Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details

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

# **Facility/System Characteristics**

## **Facility/System Characteristics**

FRS		110007817924					N	18.395604	-67.117345
System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
Facili	ty Ad	ldress							

FRS		110007817924	MOCA SS 2461	CALLE B	ALDORIOTY Y BA	RBOSA, M	IOCA, PR 0067	6	Moca Municipio
System	Statute	Identifier	Facility Name			Facility County			
		on) Code				try		•	American on System)
Jystem		data records retu			System	Ident	ifier I	NAICS Code	NAICS Description
							No data i	records retur	ned
					Facili	ty T	ribe l	inform	ation
					Reservation	Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
							No data i	records retur	ned
			d Com	•	Last 5 Year	s	]		

ute Source ID Sy	stem Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
		No data records returned			

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

### **Compliance Summary Data**

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRR000003905	No	05/11/2024	0	05/10/2024

### Three-Year Compliance History by Quarter

Statute	Program/Pollutant/ Type	/Violation	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA	(Source ID: PRR0000	003905)	07/01- 09/30/21	10/01- 12/31/21	01/01- 03/31/22	04/01- 06/30/22	07/01- 09/30/22	10/01- 12/31/22	01/01- 03/31/23	04/01- 06/30/23	07/01- 09/30/23	10/01- 12/31/23	01/01- 03/31/24	04/01- 06/30/24
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency												

#### Informal Enforcement Actions Last 5 Years

	Statute	System	Source ID	Type of Action	Lead Agency	Date
--	---------	--------	-----------	----------------	-------------	------

No data records returned

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

For	Formal Enforcement Actions Last 5 Years									
Statute	Statute       System       Law/       Source       Type of Action       Lead No.       Case Agency       Lead Name       Case Name       Issued/ Filed Date       Settlements/ Actions       Settlements/ Action Date       Federal Penalty Assessed       State/ Penalty Assessed       Penalty Amount Assessed       Penalty Amount Assessed       Penalty Amount Assessed       Settlements/ Amount Assessed       Comp Action       Comp Action									
	No data records returned									

### **Environmental Conditions**

#### Watersheds

Boun	12-Digit WBD (Watershed     WBD (Watershed Boundary       Boundary Dataset) HUC     Dataset) Subwatershed Name       (RAD (Reach Address     (RAD (Reach Address       Database))     Database))					er Body Name Integrated ce Information stem))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed wi (Endangered S Act)-listed A Species	Species quatic
No data records returned Assessed Waters From Latest State Submission (ATTAINS)											
ASS	sesse	ea wa	aters F	rom L	atest	State	Submi	ssion (.	ATTAINS	5)	
State	ReportAssessmentAssessment UnitWaterCycleUnit IDNameCondition		Water Condition	Cause Groups Impaired	Drinking Ecological Water Use Use		Fish Consumption Use	Recreation Use	Other Use		
No data records returned											
Air Quality Nonattainment Areas											
Polluta	lutant Within Nonattainment Status Area?			Nonatta	ainment Stat Standard	us Applicable I(s)	Within M	aintenance Statu: Area?	Maintenance Status Applicable Standard(s)		
No data records returned											

### Pollutants

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

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

No data records returned

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

**Chemical Name** 

No data records returned

# Community

#### **Environmental Justice**

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

#### **Potential Environmental Justice Concerns**

**US** Territory

Located in an area having 1 or more Census Block Supplemental State or US Percentiles >= 90%

Located in an area having 1 or more 1-Mile Average Supplemental State or US Percentiles >= 90%

#### **EJScreen Indexes Shown**

Index Type

#### **Related Reports**

Supplemental (default)

EJScreen Community Report

					Downie	bad Data	
Census Block Group ID: 720994202002	US (	Percentile)		State (Percentile)			
Supplemental Indexes	Facility Census Block Group	1-mile Avg	1-mile Max	Facility Census Block Group	1-mile Avg	1-mile Max	
Count of Indexes At or Above 90th Percentile	5	5	6	1	1	3	
Particulate Matter 2.5		N/A			N/A		
Ozone		N/A			N/A		
Diesel Particulate Matter	5	4	8	57	44	57	
Air Toxics Cancer Risk	54	53	55	85	57	90	
Air Toxics Respiratory Hazard Index	38	35	40	84	58	90	
Toxic Releases to Air	99	99	<b>D</b> 99	98	<b>9</b> 92	<b>9</b> 99	
Traffic Proximity	99	94	<b>D</b> 99	86	55	86	
Lead Paint	94	82	<b>9</b> 94	70	45	70	
Risk Management Plan (RMP) Facility Proximity	97	93	<b>9</b> 99	65	53	78	
Hazardous Waste Proximity	72	65	79	16	13	28	
Superfund Proximity	88	83	89	3	3	6	
Underground Storage Tanks (UST)	0	91	<b>9</b> 96	0	68	81	
Wastewater Discharge	99	99	99	80	71	82	

Download Data

Map Display Based on: 🔘 US 🔘 State

**Display Map Layer** 

Summary - Number of Indexes

O Facility 1-mile Radius □ Facility Census Block Group



#### Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <a href="https://epa.gov/help/reports/dfr-data-dictionary#demographics">https://epa.gov/help/reports/dfr-data-dictionary#demographic>.</a>

High School Diploma

Some College/2-year

General Statistics (U.S. Census)						
Total Persons	6,854					
Population Density	2,209/sq.mi.					
Housing Units in Area	3,071					
General Statistics (ACS (American Community Survey)	)					
Total Persons	6,362					
Percent People of Color	100%					
Households in Area	2,443					
Households on Public Assistance	118					
Persons With Low Income	4,491					
Percent With Low Income	71%					
Geography						
Radius of Selected Area	1 mi.					
Center Latitude	18.395604					
Center Longitude	-67.117345					
Land Area	100%					
Water Area	0%					

Age Breakdown (U.S. Census) - Persons (%	1					
Children 5 years and younger	378 (6%)					
Minors 17 years and younger	1,643 (24%)					
Adults 18 years and older	5,211 (76%)					
Seniors 65 years and older	1,189 (17%)					
Race Breakdown (U.S. Census) - Persons (%	6)					
White	6,106 (89%)					
African-American	364 (5%)					
Hispanic-Origin	6,812 (99%)					
Asian/Pacific Islander	11 (0%)					
American Indian	8 (0%)					
Other/Multiracial	364 (5%)					
Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)						
Less than 9th Grade	684 (14.45%)					
9th through 12th Grade	293 (6.19%)					

1,381 (29.17%)

648 (13.69%)

Income Breakdown (ACS (American Com	nmunity Survey)) - Households (%)				
Less than \$15,000	1,037 (42.45%)				
\$15,000 - \$25,000	374 (15.31%)				
\$25,000 - \$50,000	625 (25.58%)				
\$50,000 - \$75,000	269 (11.01%)				
Greater than \$75,000	138 (5.65%)				

Education Level (Persons 25 & older) (ACS (American Communi Persons (%)	ty Survey)) <del>-</del>
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,205 (25.45%)

B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More



# **Detailed Facility Report**

### **Facility Summary**

PR PUBLIC HOUSING RES JOSE N GANDARA

# 192 CALLE BLANCA E CHICO, MOCA, PR 00676

FRS (Facility Registry Service) ID: 110006537783

EPA Region: 02

Latitude: 18.39429

Longitude: -67.113605

Locational Data Source: FRS

Industries: --

Indian Country: N

#### **Enforcement and Compliance Summary**

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

### **Regulatory Information**

Clean Air Act (CAA): No Information Clean Water Act (CWA): No Information

### **Other Regulatory Reports**

Air Emissions Inventory (EIS): No Information Greenhouse Gas Emissions (eGGRT): No Information Toxic Releases (TRI): No Information Resource Conservation and Recovery Act (RCRA): InactiveCompliance and Emissions Data Reporting InterfaceOther, (PRR000013680)(CEDRI):Safe Drinking Water Act (SDWA): No InformationNo Information

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

### **Facility/System Characteristics**

#### **Facility/System Characteristics**

FRS		110006537783					N	18.39429	-67.113605
System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude

#### **Facility Address**

FRS		110006537783	PR PUBLIC HOUS	JBLIC HOUSING RES JOSE N GANDA		ARA 192 CALLE BLANCA E CHICO, M		76 Moca Municipio
System	Statute	Identifier		Facility Name		F	acility Address	Facility County
		IC (Stan tion) Co		ndustrial	Indus	try Cla	•	n American on System)
System	lde	ntifier Slo	C Code	SIC Description	Codes			
		No data reco	rds returned		System	Identifier	NAICS Code	NAICS Description
						No d	ata records retur	ned
					Facili	ty Trib	e Inform	ation
					Reservation	Name Tribe I	Name EPA Tribal ID	Distance to Tribe (miles)
						No d	ata records retur	ned
Enfo	orce	ement	and C	Complia	ance			
7	alian	ce Mon	itoring	TISA	Last 5 Year			

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

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

### **Compliance Summary Data**

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRR000013680	No	05/11/2024	0	05/10/2024

### Three-Year Compliance History by Quarter

Statute	Program/Pollut Typ	-	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA	RCRA (Source ID: PRR000013680)		07/01- 09/30/21	10/01- 12/31/21	01/01- 03/31/22	04/01- 06/30/22	07/01- 09/30/22	10/01- 12/31/22	01/01- 03/31/23	04/01- 06/30/23	07/01- 09/30/23	10/01- 12/31/23	01/01- 03/31/24	04/01- 06/30/24
	Facility-Lev	vel Status	No Violation Identified											
	Violation	Agency												

#### Informal Enforcement Actions Last 5 Years

	Statute	System	Source ID	Type of Action	Lead Agency	Date
--	---------	--------	-----------	----------------	-------------	------

No data records returned

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

For	mal	Enf	orc	eme	ent	Acti	ions	S Las	t 5 Years						
Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	lssued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
	No data records returned														

### **Environmental Conditions**

#### Watersheds

Boun	it WBD (Wa dary Datase D (Reach Ad Database)	et) HUC I Idress	WBD (Watershe Dataset) Subwate (RAD (Reach Databa	ershed Name Address	(ICIS (I Compliand	State Water Body Name (ICIS (Integrated Compliance Information System))		Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?	
•	No data records returned										
Assessed Waters From Latest State Submission (ATTAINS)											
State	Report Assessment Assessment Unit Water Cause Group Cycle Unit ID Name Condition Impaired						Drinking Water Use		Fish Consumption Use	Recreation Use	Other Use
	No data records returned										
Air	Air Quality Nonattainment Areas										
Polluta	Within Nonattainment Status         Nonattainment Status Applicable         Within Maintenance Status         Maintenance Status Applicable           Area?         Standard(s)         Area?         Standard(s)										
	No data records returned										

### Pollutants

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

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

No data records returned

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

**Chemical Name** 

No data records returned

# Community

#### **Environmental Justice**

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

#### **Potential Environmental Justice Concerns**

**US** Territory

Located in an area having 1 or more Census Block Supplemental State or US Percentiles >= 90%

Located in an area having 1 or more 1-Mile Average Supplemental State or US Percentiles >= 90%

#### **EJScreen Indexes Shown**

#### **Related Reports**

Index Type

Supplemental (default)

EJScreen Community Report

					Downlo	oad Data	
Census Block Group ID: 720994202003	US (	Percentile)		State (Percentile)			
Supplemental Indexes	Facility Census Block Group	1-mile Avg	1-mile Max	Facility Census Block Group	1-mile Avg	1-mile Max	
Count of Indexes At or Above 90th Percentile	4	5	6	0	1	3	
Particulate Matter 2.5		N/A			N/A		
Ozone		N/A			N/A		
Diesel Particulate Matter	4	4	7	40	44	57	
Air Toxics Cancer Risk	52	35	55	45	0	90	
Air Toxics Respiratory Hazard Index	33	35	40	46	58	90	
Toxic Releases to Air	99	99	<b>9</b> 99	86	92	99	
Traffic Proximity	95	94	<b>9</b> 99	59	54	86	
Lead Paint	0	81	94	0	45	70	
Risk Management Plan (RMP) Facility Proximity	88	93	98	41	52	69	
Hazardous Waste Proximity	60	65	78	10	13	24	
Superfund Proximity	80	83	88	4	3	4	
Underground Storage Tanks (UST)	92	91	9 96	71	68	81	
Wastewater Discharge	<b>9</b> 9	99	99	66	71	82	

Map Display Based on: 🔘 US 🔘 State

**Display Map Layer** 

Summary - Number of Indexes

O Facility 1-mile Radius □ Facility Census Block Group



#### Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <a href="https://epa.gov/help/reports/dfr-data-dictionary#demographics">https://epa.gov/help/reports/dfr-data-dictionary#demographic>.</a>

High School Diploma

Some College/2-year

General Statistics (U.S. Census)					
Total Persons	7,000				
Population Density	2,262/sq.mi.				
Housing Units in Area	3,131				
General Statistics (ACS (American Community S	urvey))				
Total Persons	6,688				
Percent People of Color	100%				
Households in Area	2,539				
Households on Public Assistance	134				
Persons With Low Income	4,730				
Percent With Low Income	71%				
Geography					
Radius of Selected Area	1 mi.				
Center Latitude	18.39429				
Center Longitude	-67.113605				
Land Area	100%				
Water Area	0%				

Age Breakdown (U.S. Census) - Persons (%)						
Children 5 years and younger	389 (6%)					
Minors 17 years and younger	1,681 (24%)					
Adults 18 years and older	5,319 (76%)					
Seniors 65 years and older	1,188 (17%)					
Race Breakdown (U.S. Census) - Persons (%)	·					
White	6,311 (90%)					
African-American	343 (5%)					
Hispanic-Origin	6,960 (99%)					
Asian/Pacific Islander	11 (0%)					
American Indian	9 (0%)					
Other/Multiracial	326 (5%)					
Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)						
Less than 9th Grade	665 (13.57%)					
9th through 12th Grade	300 (6.12%)					

1,363 (27.82%)

709 (14.47%)

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

L	ess than \$15,000	1,043 (41.1%)
\$	15,000 - \$25,000	412 (16.23%)
\$:	25,000 - \$50,000	653 (25.73%)
\$	50,000 - \$75,000	267 (10.52%)
G	reater than \$75,000	163 (6.42%)
_		

Education Level (Persons 25 & older) (ACS (American Communi Persons (%)	ity Survey)) -
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,370 (27.96%)

B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More



# **Detailed Facility Report**

### **Facility Summary**

INFORMATION MAGNETICS CARIBE INC

PR-125 KM 1.0, MOCA, PR 00676							
FRS (Facility Registry Service) ID: 110002466554							
EPA Region: 02							
Latitude: 18.393504							
Longitude: -67.118972							
Locational Data Source: TRIS							
Industries: Computer and Electronic Product Manufacturing							
Indian Country: N							

#### **Enforcement and Compliance Summary**

Statute	RCRA
Compliance Monitoring Activities (5 years)	
Date of Last Compliance Monitoring Activity	11/24/1992
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	
Formal Enforcement Actions (5 years)	
Penalties from Formal Enforcement Actions (5 years)	
EPA Cases (5 years)	
Penalties from EPA Cases (5 years)	-

#### **Regulatory Information**

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

**Resource Conservation and Recovery Act (RCRA):** Inactive **Toxic Releases (TRI):** 00716NFRMTROAD1 Other, (PRD091144469)

#### **Other Regulatory Reports**

Air Emissions Inventory (EIS): No Information Greenhouse Gas Emissions (eGGRT): No Information Toxic Releases (TRI): 00716NFRMTROAD1 Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details

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

### **Facility/System Characteristics**

#### **Facility/System Characteristics**

FRS	EP313	110002466554 00716NFRMTROAD1	Toxics Release Inventory	Last Reported for 1989			N	18.393504 18.393504	-67.118972 -67.118972
System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude

#### **Facility Address**

TRI System	EP313 Statute	00716NFRMTROAD1	INFORMATION MAGNETICS CARIBE INC	RD 125 KM 10, MOCA, PR 00718 Facility Address	Moca Municipio Facility County
FRS		110002466554	INFORMATION MAGNETICS CARIBE INC	PR-125 KM 1.0, MOCA, PR 00676	Moca Municipio

# Facility SIC (Standard Industrial<br/>Classification) CodesFacility NAICS (North American<br/>Industry Classification System)

System	Identifier	SIC Code	SIC Description	Code	es					
	No data	records retur	ned							
				TRI	00716NFRMTF	ROAD1 33	4112	Computer Manufactu	Storage Device Iring	
				System	Identifier		AICS ode		NAICS Description	
		Facility Tribe Information								
				Reservat	tion Name Tribe Na		EPA	Tribal ID	Distance to Tribe (miles)	
No data records returned							ned			

### **Enforcement and Compliance**

Statute         Source ID         System         Activity Type         Compliance Monitoring Type         Lead Agency         Date         Finding	ng (if applicable)

No data records returned

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

### **Compliance Summary Data**

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRD091144469	No	05/11/2024	0	05/10/2024

#### **Three-Year Compliance History by Quarter**

Statute	Program/Pollut Typ		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: PRD091144469)		07/01- 09/30/21	10/01- 12/31/21	01/01- 03/31/22	04/01- 06/30/22	07/01- 09/30/22	10/01- 12/31/22	01/01- 03/31/23	04/01- 06/30/23	07/01- 09/30/23	10/01- 12/31/23	01/01- 03/31/24	04/01- 06/30/24	
	Facility-Lev	el Status	No Violation Identified		No Violation Identified									
	Violation	Agency												

### Informal Enforcement Actions Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

# Formal Enforcement Actions Last 5 Years

Name

Filed

Date

No data records returned

Actions

Penalty

Assessed

Penalty

Assessed

Action Date

Comp

Action

Cost

SEP

Value

Amount

Collected

# **Environmental Conditions**

of

Action

No.

Agency

#### Watersheds

Statute System

Section

ID

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

No data records returned

#### **Assessed Waters From Latest State Submission (ATTAINS)**

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

No data records returned

#### Air Quality Nonattainment Areas

Pollutant

Within Nonattainment Status Area? Nonattainment Status Applicable Standard(s) Within Maintenance Status Area? Maintenance Status Applicable Standard(s)

No data records returned

### Pollutants

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

TRI Facility IDYearAir EmissionsSurface Water DischargesOff-Site Transfers to POTWs (Publicly Owned Treatment Works)Underground InjectionsDisposal to LandTento	-Site Total Off-Site ses Transfers
---	---------------------------------------

No data records returned

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

Chemical Name

No data records returned

# Community

### **Environmental Justice**

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

#### **Potential Environmental Justice Concerns**

**US** Territory

Located in an area having 1 or more Census Block Supplemental State or US Percentiles >= 90%

Located in an area having 1 or more 1-Mile Average Supplemental State or US Percentiles >= 90%

#### **EJScreen Indexes Shown**

**Related Reports** 

Index Type

Supplemental (default)

EJScreen Community Report

Download Data

Census Block Group ID: 720994202004	US (	Percentile)		State (Percentile)		
Supplemental Indexes	Facility Census Block Group	1-mile Avg	1-mile Max	Facility Census Block Group	1-mile Avg	1-mile Max
Count of Indexes At or Above 90th Percentile	6	5	6	1	1	3
Particulate Matter 2.5		N/A			N/A	
Ozone		N/A			N/A	
Diesel Particulate Matter	5	4	9	50	45	60
Air Toxics Cancer Risk	53	35	55	71	0	90
Air Toxics Respiratory Hazard Index	36	35	40	71	60	90
Toxic Releases to Air	99	99	<b>9</b> 99	96	92	99
Traffic Proximity	92	94	99	51	56	86
Lead Paint	91	83	94	60	47	70
Risk Management Plan (RMP) Facility Proximity	95	93	98	58	54	69
Hazardous Waste Proximity	68	65	79	15	13	28
Superfund Proximity	86	83	89	4	4	6
Underground Storage Tanks (UST)	96	91	96	81	69	81
Wastewater Discharge	99	99	<b>9</b> 99	81	73	82
Map Display Based on:	US OS	State per of Inc	dexes			
		0	Facility	1-mile Radiu	is 🗌	Facility

#### Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <a href="https://epa.gov/help/reports/dfr-data-dictionary#demographics">https://epa.gov/help/reports/dfr-data-dictionary#demographic>.</a>

Tana Carmin Fourney and Safa Crank Castachaologi D. II F. detter //www.arriganet

General Statistics (U.S. Census)								
Total Persons	7,089							
Population Density	2,265/sq.mi.							
Housing Units in Area	3,172							

Total Persons	6,672
Percent People of Color	100%
Households in Area	2,545
Households on Public Assistance	122
Persons With Low Income	4,760
Percent With Low Income	71%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.393504
Center Longitude	-67.118972
Land Area	99%
Water Area	1%

Income Breakdown (ACS (American Community Survey)) - Households (%)									
Less than \$15,000	1,075 (42.26%)								
\$15,000 - \$25,000	393 (15.45%)								
\$25,000 - \$50,000	664 (26.1%)								
\$50,000 - \$75,000	275 (10.81%)								
Greater than \$75,000	137 (5.39%)								

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	410 (6%)
Minors 17 years and younger	1,722 (24%)
Adults 18 years and older	5,367 (76%)
Seniors 65 years and older	1,183 (17%)
Race Breakdown (U.S. Census) - Persons (%	)
White	6,323 (89%)
African-American	375 (5%)
Hispanic-Origin	7,044 (99%)
Asian/Pacific Islander	12 (0%)
American Indian	8 (0%)
Other/Multiracial	371 (5%)
Education Level (Persons 25 & older) (ACS (, Persons (%)	American Community Survey)) -
Less than 9th Grade	706 (14.25%)
9th through 12th Grade	307 (6.2%)
High School Diploma	1,452 (29.3%)
Some College/2-year	673 (13.58%)

1,249 (25.21%)

B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More



# **Detailed Facility Report**

### **Facility Summary**

LIFESTYLE FOOTWEAR INC

# PR-125 KM 3.8 INDUSTRIAL PK, MOCA, PR 00676

FRS (Facility Registry Service) ID: 110007822570
EPA Region: 02
Latitude: 18.392427
Longitude: -67.105932
Locational Data Source: RCRAINFO
Industries: Leather and Allied Product Manufacturing
Indian Country: N

#### **Enforcement and Compliance Summary**

Statute	RCRA
Compliance Monitoring Activities (5 years)	
Date of Last Compliance Monitoring Activity	03/25/2015
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	
Formal Enforcement Actions (5 years)	
Penalties from Formal Enforcement Actions (5 years)	
EPA Cases (5 years)	
Penalties from EPA Cases (5 years)	-

### **Regulatory Information**

Clean Air Act (CAA): No Information Clean Water Act (CWA): No Information

### **Other Regulatory Reports**

Air Emissions Inventory (EIS): No Information Greenhouse Gas Emissions (eGGRT): No Information Toxic Releases (TRI): No Information **Resource Conservation and Recovery Act (RCRA):** Active VSQG, (PRR000012096)

Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details

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

# **Facility/System Characteristics**

#### **Facility/System Characteristics**

FRS		110007822570					Ν	18.392427	-67.105932
System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
Facili	ty Ad	ldress							

FRS		110007822570	LIFESTYLE FOOTWEAR INC	PR-125 KM 3.8 INDUSTR	Moca Municipio				
System	Statute	Identifier	Facility Name		Facility Address				
		C (Stand ion) Cod		Facility NAICS (North American Industry Classification System) Codes					
System	Identi	ifier SIC Co	de SIC Description						
	Ν	lo data records	returned						
				System Ide	entifier	NAICS Code	NAICS Description		
				Facility 7	Fribe I	nform	ation		
				<b>Reservation Name</b>	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)		
					No data r	ecords retur	ned		

### **Enforcement and Compliance**

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

This table shows how violations relate to compliance monitoring (CM) activities and enforcement. Currently available for RCRA only. Full CM history available below.

				262.C: Generators -							
	Compliance	Monitoring			Viol	ations		E	Enforcement Ac	tions	
Source ID	Compliance Monitoring Type	Compliance Monitoring Agency	Compliance Monitoring Date	Violation Type	Violation Agency	Violation Determined Date	Return to Compliance Date	Enforcement Type	Enforcement Action Date	Penalty Assessed	Comp Action Cost
				262.C:	PR	05/04/2015	10/09/2015	Initial 3008(A)			
				Generators - Pre-transport	PR	05/04/2015	10/09/2015	Compliance	10/00/2015		
	Compliance			262.C:	PR	05/04/2015	10/09/2015	Final	10/09/2015		
PRR000012096	Evaluation Inspection	State	03/25/2015	Generators -	PR	05/04/2015	10/09/2015	3008(A) Compliance	10/09/2015	\$17,000	
				Pre-transport	PR	05/04/2015	10/09/2015	Order	05/15/2015		
				265.I: TSD IS- Container Use and Management	PR	05/04/2015	10/09/2015	Written Informal			
				265.I: TSD IS- Container Use and Management							

*Entries in italics are not counted as compliance monitoring strategy activities. For programs without compliance monitoring strategies, entries in italics are not counted as on-site activities within EPA's Annual Results.* 

# Compliance Monitoring History Last 5 Years Statute Source ID System Activity Type Compliance Monitoring Type Lead Agency Date Finding (if applicable)

No data records returned

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

#### **Compliance Summary Data**

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRR000012096	No	05/11/2024	0	05/10/2024

#### **Three-Year Compliance History by Quarter**

Statute	Program/Polluta Typ		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA	RCRA (Source ID: PRR000012096)		07/01- 09/30/21	10/01- 12/31/21	01/01- 03/31/22	04/01- 06/30/22	07/01- 09/30/22	10/01- 12/31/22	01/01- 03/31/23	04/01- 06/30/23	07/01- 09/30/23	10/01- 12/31/23	01/01- 03/31/24	04/01- 06/30/24
	Facility-Lev	el Status	No Violation Identified											
	Violation	Agency												

I	nformal	Enforcen	nent Action	S Last 5 Years		
	Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

#### Formal Enforcement Actions | Last 5 Years

Statute       System       Law/       Source       Type of Action       Case of Action       Lead       Case Agency       Issued/Filed       Settlements/       Settlements/       Federal Action Date       State/       Penalty Assessed       Penalty Assessed       Penalty Assessed       Penalty Assessed       Settlements/       Settlements/       Action Date       State/       Penalty Assessed       Penalty Assessed       Settlements/       Action Date       Settlements/       State/       Penalty Assessed       Settlements/       Action Date       Settlements/       State/       Penalty Assessed       Settlements/       Collected       Collec
--

No data records returned

# **Environmental Conditions**

#### Watersheds

Boundary Dataset) HUC Dataset) Subwatershed Name (ICIS (Integrated Closures Closures Potentially (E	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
---	--

No data records returned

#### **Assessed Waters From Latest State Submission (ATTAINS)**

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

No data records returned

#### Air Quality Nonattainment Areas

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

### Pollutants

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

TRI Facility ID         Year         Air Emissions         Surface Water Discharges         Off-Site Transfers to Owned Treatment	. , , , , , , , , , , , , , , , , , , ,	al On-Site Total Off-Site eleases Transfers
---	---	--

No data records returned

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

**Chemical Name** 

No data records returned

#### e-Manifest Hazardous Waste History (Public)

#### Hazardous Waste Shipped in Kilograms by Year (Through 2/10/2024)

Source ID	Waste Description	2021	2022	2023	2024
PRR000012096	Hazardous Waste	1,197	2,314	1,984	
PRR000012096	Acute Hazardous Waste	0	0	0	
PRR000012096	Pharmaceutical Hazardous Waste	0	0	0	

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

### Community

#### **Environmental Justice**

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

#### **Potential Environmental Justice Concerns**

**US** Territory

Located in an area having 1 or more Census Block Supplemental State or US Percentiles >= 90%

Located in an area having 1 or more 1-Mile Average Supplemental State or US Percentiles >= 90%

#### **EJScreen Indexes Shown**

#### **Related Reports**

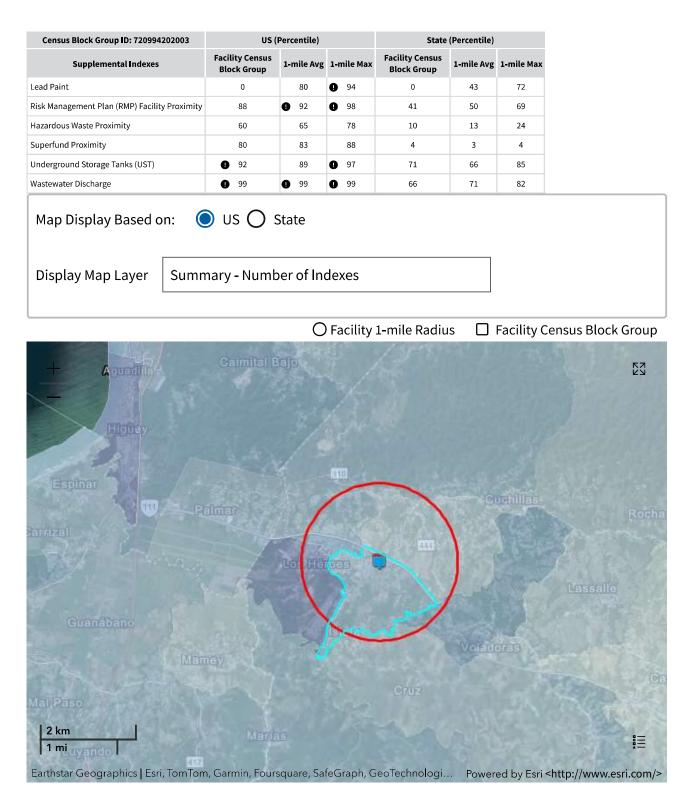
Index Type

Supplemental (default)

**EJScreen Community Report** 

US (I	Percentile)		State (Percentile)			
Facility Census Block Group	1-mile Avg	1-mile Max	Facility Census Block Group	1-mile Avg	1-mile Max	
4	4	6	0	1	3	
	N/A			N/A		
	N/A			N/A		
4	4	5	40	43	57	
52	35	55	45	0	90	
33	35	40	46	60	90	
99	99	99	86	92	99	
<b>9</b> 5	95	<b>9</b> 99	59	57	86	
	Facility Census Block Group 4  4 52 33 99	Block Group         I-mile Avg           4         4            N/A            N/A           4         4           52         35           33         35           99         99	Facility Census Block Group         1-mile Avg         1-mile Max           4         4         6            N/A            N/A          N/A           4         4         5           52         35         55           33         35         40           99         99         99         99	Facility Census Block Group         1-mile Avg         1-mile Max         Facility Census Block Group           4         6         0            N/A              N/A             4         4         5         40           4         5         40         4           52         35         55         45           33         35         40         46           99         99         99         99         86	Facility Census Block Group         1-mile Avg         1-mile Max         Facility Census Block Group         1-mile Avg           4         6         0         1            N/A          N/A            N/A          N/A            N/A          N/A            N/A          N/A           4         4         5         40         43           52         35         55         45         0           33         35         40         46         60           99         99         99         86         92	

#### Download Data



### Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census

Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <a href="https://epa.gov/help/reports/dfr-data-dictionary#demographics">https://epa.gov/help/reports/dfr-data-dictionary#demographics</a>.

6,911
2,234/sq.mi.
3,106
urvey))
6,151
100%
2,289
125
4,395
72%
1 mi.
18.392427
-67.105932
100%
0%
Survey)) - Households (%)
852 (37.22%)
418 (18.26%)
618 (27%)
210 (9.17%)
191 (8.34%)

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	383 (6%)
Minors 17 years and younger	1,594 (23%)
Adults 18 years and older	5,317 (77%)
Seniors 65 years and older	1,180 (17%)

Race Breakdown	(U.S. Census	s) - Persons (%)	
----------------	--------------	------------------	--

White	6,266 (91%)
African-American	310 (4%)
Hispanic-Origin	6,876 (99%)
Asian/Pacific Islander	11 (0%)
American Indian	9 (0%)
Other/Multiracial	315 (5%)

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

Persons (%)	
Less than 9th Grade	586 (13.38%)
9th through 12th Grade	269 (6.14%)
High School Diploma	1,045 (23.86%)
Some College/2-year	750 (17.12%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,402 (32.01%)



# **Detailed Facility Report**

### **Facility Summary**

**MOCA STP** 

STATE RD 110 KM 11.8, MOCA, PR 00716
FRS (Facility Registry Service) ID: 110007804402
EPA Region: 02
Latitude: 18.387843
Longitude: -67.109709
Locational Data Source: RCRAINFO
Industries: Utilities
Indian Country: N

#### **Enforcement and Compliance Summary**

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

#### **Regulatory Information**

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

**Resource Conservation and Recovery Act (RCRA):** Inactive **Toxic Releases (TRI):** No Information Other, (PRD000689828)

#### **Other Regulatory Reports**

Air Emissions Inventory (EIS): No Information Greenhouse Gas Emissions (eGGRT): No Information Toxic Releases (TRI): No Information Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details

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

### **Facility/System Characteristics**

#### **Facility/System Characteristics**

			1	1						
FRS		11000780	4402					Ν	18.387843	-67.109709
System	Statute	Identifi	ier Univer	erse Status Areas		as Permit Expiration Date		Indian Country	Latitude	Longitude
Facili	ty Ad	dres	5							
FRS		11	10007804402	MOCA STP	5	STATE RD 110 KM 11.8, MO	CA, PR 00716		Moca Mun	icipio
System	Statu	te	Identifier	Facility Name	•	Faci	Facility Address			
System       Identifier       SIC Code       SIC Description       Codes         No data records returned       system       Identifier       NAICS Code       NAICS Description         Facility Tribe Information										
Facility Tribe Information										
						Reservation Name	Tribe Name	EPA Tribal ID	Distance to 1	ribe (miles)
						Reservation Name		e EPA Tribal ID records retur	Distance to 1	ribe (miles)
				<b>Comp</b> ng Histo					Distance to 1	ribe (miles)

No data records returned

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

### **Compliance Summary Data**

Statute	Program/Pollu	ar Con		QTR 2	QTR 3		QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA	(Source ID: PRI	0000689828)	07/01- 09/30/21	10/01- 12/31/21	01/01- 03/31/22	04/01- 06/30/22	07/01- 09/30/22	10/01- 12/31/22	01/01- 03/31/23	04/01- 06/30/23	07/01- 09/30/23	10/01- 12/31/23	01/01- 03/31/24	04/01- 06/30/24
	Facility-Level Status			No Violation Identified										
	Violation	Agency												
[nfo	ormal	Enforc	eme	nt A	ctior	IS La	ist 5 Year	S						
	Statute System			Source ID			Type of Action		Lead Agency			Date		

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

For	Formal Enforcement Actions Last 5 Years														
Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
	No data records returned														

### **Environmental Conditions**

#### Watersheds

Boun	Digit WBD (Watershed WBD (Watershed bundary Dataset) HUC Dataset) Subwate RAD (Reach Address (RAD (Reach A Database)) Database			ershed Name Address	(ICIS (I Compliand	er Body Name Integrated ce Information stem))	Within Last Within Last		Pollutants Potentially Related to Impairment	Potentially (Endangered Related to Act)-listed A		
•	No data records returned Assessed Waters From Latest State Submission (ATTAINS)											
Assessed Waters From Latest State Submission (ATTAINS)												
State	Report Assessment Assessm Cycle Unit ID Nat			Water Condition	Cause Groups Impaired	Drinking Water Use		Fish Consumption Use	Recreation Use	Other Use		
No data records returned												
Air Quality Nonattainment Areas												
Polluta	tant Within Nonattainment Status Area?			Nonatta	ainment Stat Standard	us Applicable I(s)	Within M	aintenance Statu: Area?		Maintenance Status Applicable Standard(s)		
No data records returned												

### Pollutants

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

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

No data records returned

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

**Chemical Name** 

No data records returned

# Community

#### **Environmental Justice**

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

#### **Potential Environmental Justice Concerns**

**US** Territory

Located in an area having 1 or more Census Block Supplemental State or US Percentiles >= 90%

Located in an area having 1 or more 1-Mile Average Supplemental State or US Percentiles >= 90%

#### **EJScreen Indexes Shown**

#### **Related Reports**

Index Type

Supplemental (default)

EJScreen Community Report

					Downie	bad Data
Census Block Group ID: 720994202003	US (	Percentile)		State	(Percentile)	
Supplemental Indexes	Facility Census Block Group	1-mile Avg	1-mile Max	Facility Census Block Group	1-mile Avg	1-mile Max
Count of Indexes At or Above 90th Percentile	4	5	6	0	1	1
Particulate Matter 2.5		N/A			N/A	
Ozone		N/A			N/A	
Diesel Particulate Matter	4	4	5	40	45	57
Air Toxics Cancer Risk	52	35	54	45	0	85
Air Toxics Respiratory Hazard Index	33	35	38	46	61	84
Toxic Releases to Air	99	99	99	86	<b>9</b> 93	<b>D</b> 98
Traffic Proximity	95	95	99	59	57	86
Lead Paint	0	81	<b>9</b> 94	0	45	72
Risk Management Plan (RMP) Facility Proximity	88	92	<b>9</b> 97	41	50	65
Hazardous Waste Proximity	60	65	79	10	13	28
Superfund Proximity	80	83	89	4	4	6
Underground Storage Tanks (UST)	92	92	<b>9</b> 97	71	70	85
Wastewater Discharge	99	99	<b>9</b> 99	66	74	82

Map Display Based on: 🔘 US 🔘 State

**Display Map Layer** 

Summary - Number of Indexes

O Facility 1-mile Radius □ Facility Census Block Group

Download Data



#### Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <a href="https://epa.gov/help/reports/dfr-data-dictionary#demographics">https://epa.gov/help/reports/dfr-data-dictionary#demographic>.</a>

High School Diploma

Some College/2-year

General Statistics (U.S. Census)			
Total Persons	6,939		
Population Density	2,220/sq.mi.		
Housing Units in Area	3,121		
General Statistics (ACS (American Community Survey)	)		
Total Persons	6,498		
Percent People of Color	100%		
Households in Area	2,407		
Households on Public Assistance	127		
Persons With Low Income	4,778		
Percent With Low Income	74%		
Geography			
Radius of Selected Area	1 mi.		
Center Latitude	18.387843		
Center Longitude	-67.109709		
Land Area	100%		
Water Area	0%		

Age Breakdown (U.S. Census) - Persons (%)							
Children 5 years and younger	409 (6%)						
Minors 17 years and younger	1,685 (24%)						
Adults 18 years and older	5,254 (76%)						
Seniors 65 years and older	1,108 (16%)						
Race Breakdown (U.S. Census) - Persons (%)							
White	6,301 (91%)						
African-American	308 (4%)						
Hispanic-Origin	6,897 (99%)						
Asian/Pacific Islander	12 (0%)						
American Indian	7 (0%)						
Other/Multiracial	311 (4%)						
Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)							
Less than 9th Grade	589 (12.77%)						
9th through 12th Grade	283 (6.13%)						

1,173 (25.43%)

751 (16.28%)

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

Less than \$15,000	903 (37.52%)
\$15,000 - \$25,000	430 (17.86%)
\$25,000 - \$50,000	680 (28.25%)
\$50,000 - \$75,000	210 (8.72%)
Greater than \$75,000	184 (7.64%)

Education Level (Persons 25 & older) (ACS (American Communi Persons (%)	ity Survey)) -
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,393 (30.2%)

B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More



# **Detailed Facility Report**

### **Facility Summary**

HOSPITAL SAN CARLOS BORROMEO

## 550 CALLE CONCEPCION VERA AYALA, MOCA, PR 00676

FRS (Facility Registry Service) ID: 110037441355

EPA Region: 02

Latitude: 18.38396

Longitude: -67.11384

Locational Data Source: FRS

Industries: --

Indian Country: N

#### **Enforcement and Compliance Summary**

Statute	RCRA
Compliance Monitoring Activities (5 years)	
Date of Last Compliance Monitoring Activity	10/31/2013
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	
Formal Enforcement Actions (5 years)	
Penalties from Formal Enforcement Actions (5 years)	
EPA Cases (5 years)	
Penalties from EPA Cases (5 years)	

### **Regulatory Information**

Clean Air Act (CAA): No Information Clean Water Act (CWA): No Information

### **Other Regulatory Reports**

Air Emissions Inventory (EIS): No Information Greenhouse Gas Emissions (eGGRT): No Information Toxic Releases (TRI): No Information **Resource Conservation and Recovery Act (RCRA):** Active SQG, (PRR000021741)

Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details

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

# **Facility/System Characteristics**

#### **Facility/System Characteristics**

FRS		11003744135	5					N 18.3839		-67.11384			
System	Statute	Identifier	Universe	Status	Areas	Permit Ex	piration Date	Indian Country	Latitude	Longitude			
Facil	FRS 110037441355 HOSPITAL SAN CARLOS BORROMEO 550 CALLE CONCEPCION VERA AYALA, MOCA, PR 00676 Moca Municipio												
FRS		110037441355	HOSPITAL SAN CA	ARLOS BORRON	1EO	550 CALLE CO	6 Mc	ca Municipio					
System	Statute	Identifier	Fac	ility Name:			F	acility County					
	Facility SIC (Standard Industrial Classification) CodesFacility NAICS (North American Industry Classification System)												
	5	•		ndustr		Indus	try Cla	•					
	sifica	tion) Co	odes	ndustr SIC Descriptio			try Cla	•					
Class	sifica Ider	tion) Co	Ddes			Indus	try Cla	•		tem)			
Class	sifica Ider	tion) Co	Ddes			Indus Codes	Identifier	ssificatio	NAICS De	tem)			

 Reservation Name
 Tribe Name
 EPA Tribal ID
 Distance to Tribe (miles)

No data records returned

# **Enforcement and Compliance**

Comj	pliance	e Mon	itoring	History	Last 5 Years			
Statute	Source ID	System	Activity Type	Compliance I	Monitoring Type	Lead Agency	Date	Finding (if applicable)
				Ne dete voe				

No data records returned

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

### **Compliance Summary Data**

									Qtrs with NC (Noncompliance) (of 12)			Data Last Refreshed	
e-Yea	r Con	nplia	nce	Histe	ory b	y Qu	larte	r					
	-	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 124
rce ID: PRR0	00021741)	07/01- 09/30/21	10/01- 12/31/21	01/01- 03/31/22	04/01- 06/30/22	07/01- 09/30/22	10/01- 12/31/22	01/01- 03/31/23	04/01- 06/30/23	07/01- 09/30/23	10/01- 12/31/23	01/01- 03/31/24	04/01- 06/30/24
Facility-Level Status			No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identifie
iolation	Agency												
mal E	System	eme			<b>IS</b> La					Lead Agend	:v	Da	te
-	- Josef III				lata reco					gen	. <b>,</b>		••
r	Type ce ID: PRRO =acility-Lev olation mal E	olation Agency	Type QTR1 07/01- 09/30/21 acility-Level Status No Violation Identified olation Agency Comparison of the state of th	Type QTR1 QTR2 or ID: PRR000021741) acility-Level Status olation Agency Column Agency C	Type     QTR1     QTR2     QTR3       ce  D: PRR000021741)     07/01- 09/30/21     10/01- 12/31/21     01/01- 03/31/22       Facility-Level Status     No Violation Identified     No Violation Identified     No Violation Identified     No Violation Identified       olation     Agency     System     Source ID	Type     QTR1     QTR2     QTR3     QTR4       ce ID: PRR000021741)     07/01- 09/30/21     10/01- 12/31/21     01/01- 03/31/22     04/01- 06/30/22       Facility-Level Status     No Violation Identified     No       olation     Agency     System     Source ID     La	Type     QTR1     QTR2     QTR3     QTR4     QTR5       07/01- 09/30/21     10/01- 12/31/21     01/01- 03/31/22     04/01- 06/30/22     07/01- 09/30/22       Facility-Level Status     No Violation Identified       olation     Agency     System     Source ID     Type or	TypeQTR1QTR2QTR3QTR4QTR5QTR6Type07/01-10/01-01/01-04/01-07/01-10/01-ce ID: PRR000021741)09/30/2112/31/2103/31/2206/30/2209/30/2212/31/22acility-Level StatusNoNoNoNoNoNoViolationIdentifiedIdentifiedIdentifiedIdentifiedIdentifiedolationAgencyAgencyLast 5 Years	TypeQTR1QTR2QTR3QTR4QTR5QTR6QTR707/01- 09/30/2110/01- 12/31/2101/01- 03/31/2204/01- 06/30/2207/01- 12/31/2201/01- 03/31/23acility-Level StatusNo Violation IdentifiedNo Violation IdentifiedNo Violation IdentifiedNo Violation IdentifiedNo Violation IdentifiedNo Violation IdentifiedNo Violation IdentifiedNo Violation IdentifiedNo Violation IdentifiedNo Violation IdentifiedNo Violation IdentifiedNo Violation IdentifiedNo Violation IdentifiedNo Violation IdentifiedNo Violation IdentifiedNo Violation IdentifiedNo Violation IdentifiedNo Violation IdentifiedNo Violation IdentifiedolationAgencyAgencyLast 5 YearsLast 5 YearsSystemSource IDType of Action	Type     QTR1     QTR2     QTR3     QTR4     QTR5     QTR6     QTR7     QTR8       ce  D: PRR000021741)     07/01- 09/30/21     10/01- 12/31/21     01/01- 03/31/22     04/01- 06/30/22     07/01- 12/31/22     01/01- 03/31/23     04/01- 06/30/23       Facility-Level Status     No     No     No     No     No     No       Violation     Identified     Identified     Violation     Identified     Identified       olation     Agency     Agency     Last 5 Years     Last 5 Years	Type     QTR1     QTR2     QTR3     QTR4     QTR5     QTR6     QTR7     QTR8     QTR9       ce  D: PRR000021741)     07/01- 09/30/21     10/01- 12/31/21     01/01- 03/31/22     04/01- 06/30/22     07/01- 12/31/22     01/01- 03/31/23     04/01- 06/30/23     01/01- 06/30/23     04/01- 06/30/23     07/01- 09/30/23       Facility-Level Status     No     No     No     No     No     No     No       Violation     Identified     Identified     Identified     Identified     Identified     Identified     Identified       olation     Agency     System     Source ID     Type of Action     Type of Action     Lead Agency	Type     QTR1     QTR2     QTR3     QTR4     QTR5     QTR6     QTR7     QTR8     QTR9     QTR10       ce  D: PRR000021741)     07/01- 09/30/21     10/01- 12/31/21     01/01- 03/31/22     04/01- 06/30/22     07/01- 12/31/22     10/01- 03/31/23     04/01- 06/30/23     07/01- 09/30/23     10/01- 12/31/23       Facility-Level Status     No     No     No     No     No     No     No     No       ofactor     Identified     Identified     Identified     Identified     Identified     Identified     No     No     No     No       olation     Agency     Agency     Source ID     Source ID     Type of Action     Type of Action     Lead Agency	Type     QTR1     QTR2     QTR3     QTR4     QTR5     QTR6     QTR7     QTR8     QTR9     QTR10     QTR11       ce  D: PRR000021741)     07/01- 09/30/21     10/01- 12/31/21     01/01- 03/31/22     04/01- 06/30/22     07/01- 12/31/22     10/01- 03/31/23     04/01- 06/30/23     07/01- 09/30/23     10/01- 09/30/23     01/01- 03/31/24       ce  D: PRR000021741)     No       racility-Level Status     No       racility-Level Status     No       olation     Agency     Agency     Gurce ID     Source ID     Type of Action     Lead Agency     Da

For	mal	Enf	orc	eme	ent	Act	ions	S Las	t 5 Years						
Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
							Nc	data re	ecords return	ned					

### **Environmental Conditions**

#### Watersheds

Boun	it WBD (Wa dary Datase D (Reach Ad Database)	et) HUC Da Idress	WBD (Watershed Bou ataset) Subwatershe (RAD (Reach Addu Database))	owatershed Name (ICIS (Integrated Closures Closures Poter each Address Compliance Information Within Last Within Last Relat						Pollutants         Watershed with ES/           Potentially         (Endangered Specie           Related to         Act)-listed Aquatic           Impairment         Species?		
_		1		-		lata records		• /		- \		
Ass	sesse	ed Wa	ters Fro	m La	test	State S	Submi	<b>SSION (</b>	ATTAINS	S)		
State	Report Cycle			Fish Consumption Use	Recreation Use	Other Use						
	No data records returned											
Air	Qua	lity N	onattair	ımer	nt Ai	reas						
Polluta	utant Within Nonattainment Status Area?			Nonattainment Status Applicable Standard(s)			Within M	aintenance Statu Area?	Maintenance Status Applicable Standard(s)			
	No data records returned											

### Pollutants

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

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

No data records returned

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

**Chemical Name** 

No data records returned

# Community

#### **Environmental Justice**

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

#### **Potential Environmental Justice Concerns**

**US** Territory

Located in an area having 1 or more Census Block Supplemental State or US Percentiles >= 90%

Located in an area having 1 or more 1-Mile Average Supplemental State or US Percentiles >= 90%

#### **EJScreen Indexes Shown**

#### **Related Reports**

EJScreen Community Report

Index Type

Supplemental (default)

Downl										
Census Block Group ID: 720994202004	US (I	Percentile)		State (Percentile)						
Supplemental Indexes	Facility Census Block Group	1-mile Avg	1-mile Max	Facility Census Block Group	1-mile Avg	1-mile Max				
Count of Indexes At or Above 90th Percentile	6	4	6	1	1	1				
Particulate Matter 2.5		N/A			N/A					
Ozone		N/A			N/A					
Diesel Particulate Matter	5	4	5	50	47	57				
Air Toxics Cancer Risk	53	35	54	71	0	85				
Air Toxics Respiratory Hazard Index	36	35	38	71	64	84				
Toxic Releases to Air	99	99	99	96	<b>9</b> 94	98				
Traffic Proximity	92	94	<b>9</b> 9	51	55	86				
Lead Paint	91	82	<b>9</b> 94	60	47	72				
Risk Management Plan (RMP) Facility Proximity	95	93	97	58	52	65				
Hazardous Waste Proximity	68	67	79	15	15	28				
Superfund Proximity	86	84	89	4	4	6				
Underground Storage Tanks (UST)	96	89	<b>9</b> 97	81	66	85				
Wastewater Discharge	99	99	99	81	76	82				

Download Data

Map Display Based on: 🔘 US 🔘 State

**Display Map Layer** 

Summary - Number of Indexes

O Facility 1-mile Radius □ Facility Census Block Group



# Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <a href="https://epa.gov/help/reports/dfr-data-dictionary#demographics">https://epa.gov/help/reports/dfr-data-dictionary#demographic>.</a>

9th through 12th Grade

High School Diploma

Some College/2-year

General Statistics (U.S. Census)	
Total Persons	6,602
Population Density	2,088/sq.mi.
Housing Units in Area	2,972
General Statistics (ACS (American Community S	urvey))
Total Persons	6,313
Percent People of Color	100%
Households in Area	2,307
Households on Public Assistance	112
Persons With Low Income	4,774
Percent With Low Income	76%
Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.38396
Center Longitude	-67.11384
Land Area	100%
Water Area	0%

Age Breakdown (U.S. Census) - Persons (%)						
Children 5 years and younger	406 (6%)					
Minors 17 years and younger	1,659 (25%)					
Adults 18 years and older	4,944 (75%)					
Seniors 65 years and older	1,019 (15%)					
Race Breakdown (U.S. Census) - Persons (%)						
White	6,006 (91%)					
African-American	287 (4%)					
Hispanic-Origin	6,561 (99%)					
Asian/Pacific Islander	12 (0%)					
American Indian	6 (0%)					
Other/Multiracial	292 (4%)					
Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)						
Less than 9th Grade	560 (12.6%)					

279 (6.28%)

1,171 (26.34%)

691 (15.54%)

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

Less than \$15,000 868 (37.64%	)
\$15,000 - \$25,000 414 (17.95%	b)
\$25,000 - \$50,000 676 (29.31%	o)
\$50,000 - \$75,000 195 (8.46%)	)
Greater than \$75,000 153 (6.63%)	)

Education Level (Persons 25 & older) (ACS (American Communi Persons (%)	ity Survey)) -
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,280 (28.79%)

B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More



# **Detailed Facility Report**

## **Facility Summary**

MOCA

# CALLE CAAZAN LASAYE, FRENTE PLAZA PUBLICA, MOCA, PR 00676

FRS (Facility Registry Service) ID: 110064630314 EPA Region: 02 Latitude: 18.396067 Longitude: -67.113161 Locational Data Source: NPDES Industries: --Indian Country: N

#### **Enforcement and Compliance Summary**

Statute	CWA
Compliance Monitoring Activities (5 years)	1
Date of Last Compliance Monitoring Activity	03/26/2021
Compliance Status	Unknown
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	-
Formal Enforcement Actions (5 years)	-
Penalties from Formal Enforcement Actions (5 years)	-
EPA Cases (5 years)	-
Penalties from EPA Cases (5 years)	-

#### **Regulatory Information**

Clean Air Act (CAA): No Information

Clean Water Act (CWA): Non-Major, Permit Expired; Compliance Tracking Partially Off (PRR040025)

Resource Conservation and Recovery Act (RCRA): No Information

Safe Drinking Water Act (SDWA): No Information

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

#### **Other Regulatory Reports**

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

## **Facility/System Characteristics**

#### **Facility/System Characteristics**

FRS		110064630314					N	18.396067	-67.113161
System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude

#### **Facility Address**

FRS 110064630314 MOCA CALLE CAAZAN LASAYE, FRENTE PLAZA PUBLICA, MOCA, PR 00676											
System	Statute	Identifier	Facility Name		Facility Address						
Facility SIC (Standard Industrial Classification) Codes     Facility NAICS (North American Classification System) Codes       system     Identifier     SIC Description										ndustry	
System	Identifi	er SIC Coo	le SIC I	Description	System	Identifier	NA	CS Code	NA	ICS Description	
		No data records r	eturned				No data rec	ords returned			
Facility Industrial Effluent Guidelines Facility Tribe Information											
Identifier	Effluent Gui	deline (40 CFR Part)	Effluent Guidel	line Description	Reservation	Name T	ribe Name	EPA Tribal ID	Dista	nce to Tribe (miles)	
		No data records r	eturned				No data rec	ords returned			
Enforcement and Compliance Compliance Monitoring History Last 5 Years											
Statute So	urce D	System	Activity Type	Compli	ance Monitoring Type	•	Lead Agency	Date	F	inding (if applicable)	

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

#### **Compliance Summary Data**

	Statute	Source D	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
--	---------	----------	---	---------------	--------------------------------------	---------------------

### Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12
cw/	CWA (Source ID: PRR040025)         01/01-         04/01-         07/01-         10/01-         04/01-         07/01-         10/01-         04/01-         07/01-         10/01-           CWA (Source ID: PRR040025)         03/31/21         06/30/21         12/31/21         03/31/22         03/31/22         09/30/22         12/31/22         03/31/23         06/30/23         09/30/23         12/31/23											10/01- 12/31/23	
	Facility-Level Status	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
	Quarterly Noncompliance Report History	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined
Informal Enforcement Actions Last 5 Years													
		.emem	L ACTIO		5 16415								
	Statute	System		Source ID			Type of Action			Lead Age	ncy	D	ate
						ata records r				Lead Age	ncy	D	ate

For	mal	Enfo	orcer	nent	Act	ions	Last	5 Years							
Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
	No data records returned														

# **Environmental Conditions**

#### Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?	
210100030111	Rio Culebrinas at mouth	-	No	No	-	No	

#### Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired		Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
PR	2020	PRWR95A	RIO CULEBRINAS	Impaired - 303(d) Listed - With Restoration Plan	METALS (OTHER THAN MERCURY)   NUTRIENTS   PATHOGENS   PESTICIDES   TURBIDITY		Not Supporting	Not Supporting		Not Supporting	
Air	Air Quality Nonattainment Areas										
Pollutant Within Nonattainment Status Area?		Nonattainment Statu	Nonattainment Status Applicable Standard(s) Within Maintenand		nce Status Area? Maintenance Status Applicable S		cable Standard	i(s)			

No data records returned

### **Pollutants**

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

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

No data records returned

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

	Chemical Name	
	ata records returned	
<b>CWA (Clean Water Act) Discharge Monitoring Report (DMR)</b> DMR and TRI Multi-Year Loading Report Pollutant Loadings		
NPDES ID	Description	

No data records returned

## Community

#### **Environmental Justice**

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

#### **Potential Environmental Justice Concerns**

**US Territory** 

Located in an area having 1 or more Census Block Supplemental State or US Percentiles >= 90% Located in an area having 1 or more 1-Mile Average Supplemental State or US Percentiles >= 90%

#### **EJScreen Indexes Shown**

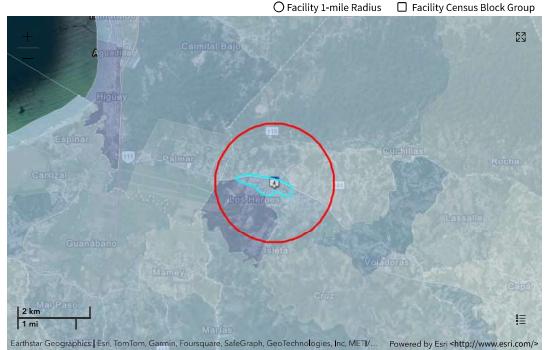
#### **Related Reports**

Index Type	Supplemental (default)

**EJScreen Community Report** 

					Downlo	oad Data	
Census Block Group ID: 720994202002	US (	Percentile)		State (Percentile)			
Supplemental Indexes	Facility Census Block Group	1-mile Avg	1-mile Max	Facility Census Block Group	1-mile Avg	1-mile Max	
Count of Indexes At or Above 90th Percentile	5	5	6	1	1	3	
Particulate Matter 2.5	-	N/A	-		N/A		
Ozone	-	N/A	-	-	N/A	-	
Diesel Particulate Matter	5	4	7	57	43	57	
Air Toxics Cancer Risk	54	52	55	85	56	9 90	
Air Toxics Respiratory Hazard Index	38	35	40	84	57	90	
Toxic Releases to Air	99	99	<b>9</b> 99	98	92	<b>9</b> 99	

Census Block Group ID: 720994202002	US (	Percentile)		State	(Percentile)	
Supplemental Indexes	Facility Census Block Group	1-mile Avg	1-mile Max	Facility Census Block Group	1-mile Avg	1-mile Max
Traffic Proximity	99	<b>9</b> 94	9 99	86	54	86
Lead Paint	94	79	9 94	70	43	70
Risk Management Plan (RMP) Facility Proximity	97	93	98	65	52	69
Hazardous Waste Proximity	72	64	78	16	13	24
Superfund Proximity	88	82	88	3	3	4
Underground Storage Tanks (UST)	0	90	96	0	67	81
Wastewater Discharge	99	<b>9</b> 99	99	80	70	82
	US () S	State per of Ind	dexes			
						alta a



#### Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2017 - 2021 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <a href="https://epa.gov/help/reports/dfr-data-dictionary#demographics">https://epa.gov/help/reports/dfr-data-dictionary#demographic>.</a>

General Statistics (U.S. Census)	
Total Persons	6,765
Population Density	2,054/sq.mi.
Housing Units in Area	3,037
General Statistics (ACS (American Community Survey))	
Total Persons	6,212
Percent People of Color	100%
Households in Area	2,375
Households on Public Assistance	123
Persons With Low Income	4,357
Percent With Low Income	70%

Age Breakdown (U.S. Census) - Persons (%)	
Children 5 years and younger	370 (5%)
Minors 17 years and younger	1,605 (24%)
Adults 18 years and older	5,160 (76%)
Seniors 65 years and older	1,183 (17%)
Race Breakdown (U.S. Census) - Persons (%)	C 000 (00%)
White	6,088 (90%)
African-American	330 (5%)
Hispanic-Origin	6,727 (99%)
Asian/Pacific Islander	12 (0%)
American Indian	10 (0%)

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.396067
Center Longitude	-67.113161
Land Area	100%
Water Area	0%
Income Breakdown (ACS (American Community Survey)) -	Households (%)
Less than \$15,000	983 (41.35%)
\$15,000 - \$25,000	382 (16.07%)
\$25,000 - \$50,000	602 (25.33%)
\$50,000 - \$75,000	255 (10.73%)
Greater than \$75,000	155 (6.52%)

Race Breakdown (U.S. Census) - Persons (%)			
Other/Multiracial	327 (5%)		
Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)			
Less than 9th Grade	638 (13.97%)		
9th through 12th Grade	282 (6.17%)		
High School Diploma	1,271 (27.83%)		
Some College/2-year	660 (14.45%)		
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,267 (27.74%)		



#### Memorandum to File

Date: September 30, 2024

Chifford & Jama

From: Clifford Jarman Environmental Consultant's Title Senior Environmental Scientist CDBG-DR CDBG Program City Revitalization Program Puerto Rico Department of Housing Puerto Rico Department of Housing

#### Application Number: PR-CRP-000870 Project: Estacionamiento y Plazoleta Autonomous Municipality of Moca

#### Re: Justification for the Infeasibility and Impracticability of Radon Testing

After reviewing Application Number PR-CRP-000870 under the City Revitalization Program, administered by the Puerto Rico Department of Housing (PRDOH), to complete the property's contamination analysis in accordance with 24 C.F.R. § 50.3(i) and 24 C.F.R. § 58.5(i), we have determined that testing the property's radon levels is infeasible and impracticable.

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

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

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

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

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

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

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

# Appendix D



May 8, 2024

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



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

DAMARIS ROMAN RUIZ Reviewer

ROBERT TAWES Digitally signed by ROBERT TAWES Date: 2024.05.13 15:14:23 -04'00 Acting Caribbean ES Field Supervisor

#### Subject: USFWS Endangered Species Act Certifications – April 2024

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

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

Project Number	Project Name
PR-CRP-000434	Plaza Pública RBd(C
PR-CRP-000838	Plaza Céntrica de Aguada
PR-CRP-000870	Estacionamiento y Plazoleta de Actividades
PR-CRP-000879	Coliseo Arquelio Torres
PR-CRP-001116	Centro Integral Educativo Maunabeño

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

Sincerely,

Permits and Environmental Compliance Division Office of Disaster Recovery

#### **CDBG-DR** FUNDS



#### **Self-Certification**

DBG-DR FUND

OG-MIT FL

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

#### **Endangered Species Act Certification**

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

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

The Puerto Rico Department of Housing (PRDOH) certifies the project **Estacionamiento y Plazoleta de Actividades (PR-CRP-000870)** consisting of improvements to a previously impacted lot as a paved concrete parking, that will also be used as a small square for outdoor activities, and will serve as meeting point and first response space in an emergency event; construction of a concrete platform for sanitary facilities, reforestation in the green areas around the paved area of the parking lot, installation of lighting poles that work with sustainable energy, improvements in the streets and sidewalks at Valentín Pérez and Monseñor Streets; located at Valentín Pérez and Monseñor Streets, Moca, PR 00676; coordinates 18.391988, -67.112296, complies with:

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

#### **CDBG-DR** FUNDS

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

USFWS Self-Certification PR-CRP-000870

Ángel G. López-Guzmán Deputy Director Permits and Environmental Compliance Division

Office of Disaster Recovery Address: P.O. Box 21365 San Juan, PR 00928 Telephone and Ext: 787-274-2527 ext. 4320 Email: <u>environmentcdbg@vivienda.pr.gov</u>

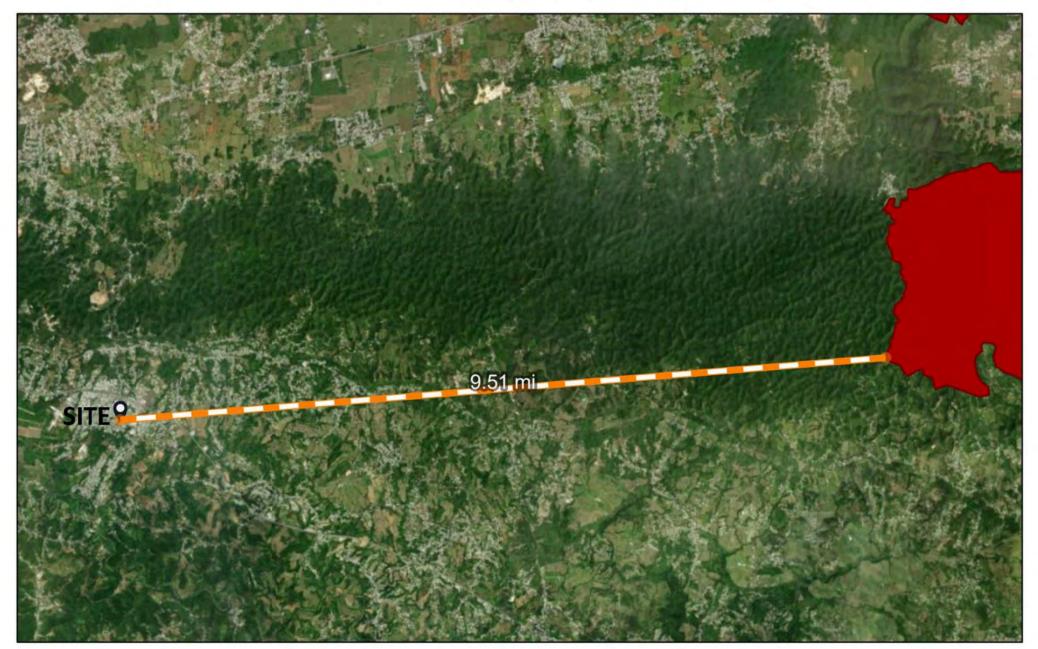
IN 2024

Date

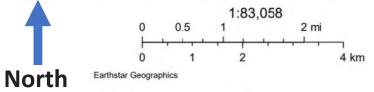
# Attachment 1

Location Map Critical Habitat Map Wetlands Map Photos

# Critical Habitat for Threatened & Endangered Species [USFWS] PR-CRP-000870



3/14/2024 **Project Name: ESTACIONAMIENTO Y PLAZOLETA DE ACTIVIDADES Project Location: Lat- 18.391988°, Lon- -67.112296° Map Source: Critical Habitat for Threatened & Endangered Species [USFWS] (arcgis.com)** 





## U.S. Fish and Wildlife Service National Wetlands Inventory

# Wetland Map for PR-CRP-000870

**Project Name:** ESTACIONAMIENTO Y PLAZOLETA DE ACTIVIDADES



#### March 14, 2024

#### Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

- /ater Freshwater Forested/Shrub Wetland
  - Freshwater Pond

Freshwater Emergent Wetland

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.

Project Location: Lat- 18.391988°, Lon- -67.112296° Map Source: National Wetlands Inventory (usgs.gov)

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

# **Location Map**

Project Name: ESTACIONAMIENTO Y PLAZOLETA DE ACTIVIDADES Project Number: PR-CRP-000870



Legend Site polygon

Project Location: Calle Monseñor J. Torres Project Coordinates: latitude 18.391988° longitude -67.112296° Map Source: <u>Google Earth</u>

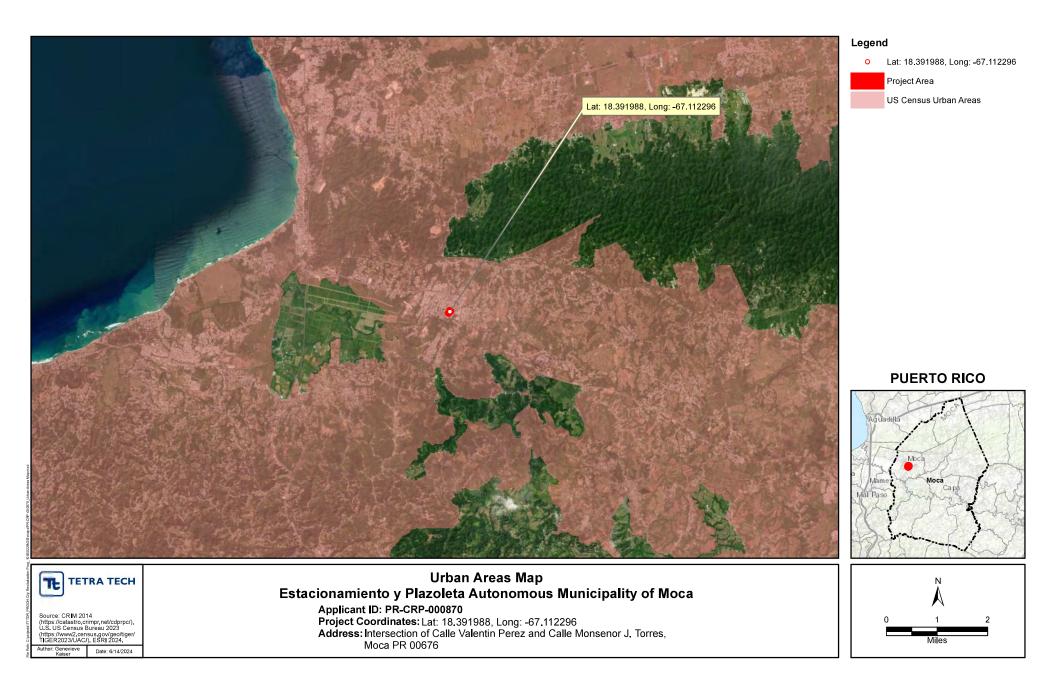


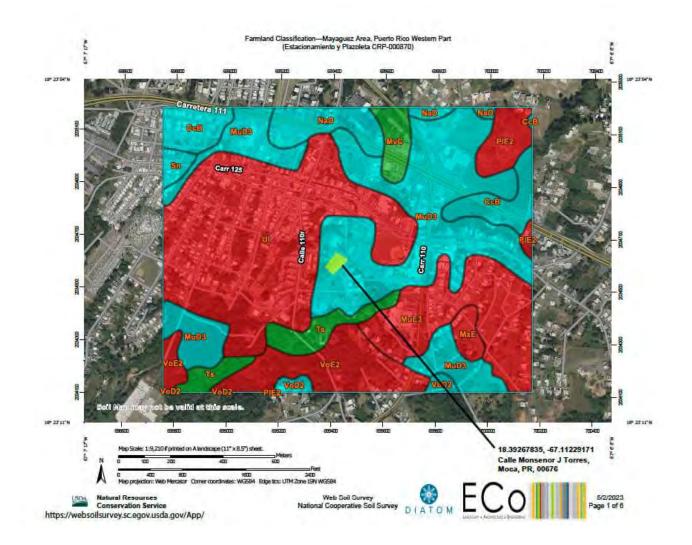
North

#### PR-CRP-000870 Site Photos Attachment

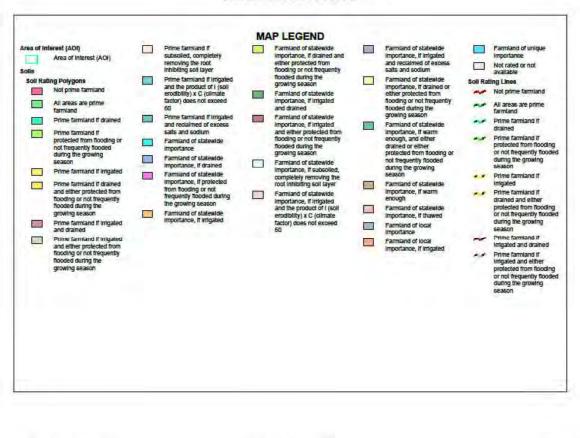


# Appendix E





#### Farmland Classification-Mayaguez Area, Puerto Rico Western Part (Estacionamiento y Plazoleta CRP-000870)



Conservation Service

Web Soil Survey National Cooperative Soil Survey 5/2/2023 Page 2 of 6

#### Farmland Classification—Mayaguez Area, Puerto Rico Western Part (Estacionamiento y Plazoleta CRP-000870)

	Pitme farmland if subsolied, completely removing the root inhibiting soil layer	**	Farmland of statewide importance, it drained and either protected from flooding or not frequently	~	Familand of statewide importance, if imgated and reclaimed of excess satts and sodium		Farmland of unique Importance Not rated or not available	•	Prime farmland if subsolied, completely removing the root inhibiting soli layer			
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Natural Resources Conservation Service Web Soil Survey National Cooperative Soil Survey

5/2/2023 Page 3 of 6

#### Farmland Classification—Mayaguez Area, Puerto Rico Western Part (Estacionamiento y Plazoleta CRP-000870)

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Date(s) aerial images were photographed: Jan 23, 1, 2022							Date(s) aerial images were photographed: Jan 23, 2022—M: 1, 2022
compiled and digitized probably differs from the back							The orthophoto or other base map on which the soil lines were compiled and clipitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Natural Resources Conservation Service Web Soil Survey National Cooperative Soil Survey 5/2/2023 Page 4 of 6

Estacionamiento y Plazoleta CRP-000870

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
CcB	Carnaguey clay, 2 to 5 percent slopes	Farmland of statewide importance	20.6	5.4%
MuD3	Moca clay, 12 to 20 percent slopes, severely eroded	Familand of statewide importance	113.9	30.0%
MuE3	Moca clay, 20 to 40 percent slopes, severely eroded	Not prime familand	43.0	11.3%
MVC	Montegrande clay, 2 to 12 percent slopes	All areas are prime farmland	7.4	2.0%
MxE	Mucara clay, 20 to 40 percent slopes	Not prime farmland	4.6	1.2%
NaD	Naranjo clay, 12 to 20 percent slopes	Farmland of statewide importance	15.9	4.2%
PIE2	Plata clay, 20 to 40 percent slopes, eroded	Not prime farmland	10.9	2.9%
Sn	Santoni clay	Farmland of statewide importance	32	0.8%
Ts	Toa silty clay	All areas are prime farmland	14.4	3.8%
UI	Urban land	Not prime farmland	110.4	29.1%
VoD2	Voladora silty clay, 12 to 20 percent slopes, eroded	Familand of statewide importance	3.9	1.0%
VoE2	Voladora siity clay, 20 to 40 percent slopes, eroded	Not prime farmland	31.4	8.3%
Totals for Area of Inter	rest		379.7	100.0%

#### Farmland Classification

#### 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

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Estacionamiento y Plazoleta CRP-000870

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

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

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

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

Tie-break Rule: Lower

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



Natural Resources Conservation Service Web Soil Survey National Cooperative Soil Survey 5/2/2023 Page 6 of 6

# Appendix F



## **GOVERNMENT OF PUERTO RICO**

STATE HISTORIC PRESERVATION OFFICE

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

Thursday, June 13, 2024

### Lauren B Poche

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

#### SHPO-CF-05-21-24-04 PR-CRP-000870 (Moca), Mejoras Plaza de Recreo Project

Ms. Poche,

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

Our records support your finding of no historic properties affected within the project's area of potential effects.

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

Sincerely,

hy avanti

Carlos A. Rubio Cancela State Historic Preservation Officer CARC/GMO/ OJR



OFICINA ESTATAL DE CONSERVACIÓN HISTÓRICA OFICINA DEL GOBERNADOR

STATE HISTORIC PRESERVATIONOFFICE

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





GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING

April 30, 2024

#### Arch. Carlos A. Rubio Cancela

Executive Director Puerto Rico State Historic Preservation Office Cuartel de Ballajá, Third Floor San Juan, Puerto Rico 00901

#### Re: Authorization to Submit Documents for Consultation

Dear Arch. Rubio Cancela,

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

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

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

Cordially,

Aldo A. Rivera Vázquez, PE Director Division of Environmental Permitting and Compliance Office of Disaster Recovery



May 21, 2024

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

#### Puerto Rico Disaster Recovery, CDBG-DR City Revitalization (City-Rev) Program

Section 106 Effect Determination Submittal for PR-CRP-000870: Estacionamiento Y Plazoleta De Actividades Project, Moca, Puerto Rico – *No Historic Properties Affected* 

Dear Architect Rubio Cancela,

On February 9, 2018, an allocation of Community Development Block Grant - Disaster Recovery (CDBG-DR) funds was approved by the United States Department of Housing and Urban Development (HUD) under the Federal Register Volume 83, No. 28, 83 FR 5844, to assist the Commonwealth of Puerto Rico in meeting unmet needs in the wake of Hurricanes Irma and Maria. On August 14, 2018, an additional \$8.22 billion recovery allocation was allocated to Puerto Rico under the Federal Register Volume 83, No. 157, 83 FR 40314. With these funding allocations, the Puerto Rico Department of Housing (PRDOH) aims to lead a comprehensive and transparent recovery for the benefit of Puerto Rico residents. To faithfully comply with HUD's environmental requirements, 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 Moca, we are submitting documentation for the proposed Estacionamiento Y Plazoleta De Actividades Project, which is part of the City Revitalization Program. The project will create a new space where emergency vehicles and services can locate to provide services and supplies after any sort of disaster. The project incorporates a large parking area where vehicles or containers can be parked without obstruction. This project will be one of the town's future resiliency hubs. The full scope of the project is described in detail within the submitted documentation, which includes mapping, photographs, and 100% design plans.



Based on the provided documentation, the Program requests a concurrence with a determination that no historic properties affected is appropriate for this undertaking.

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

Kindest regards,

Jauan D Yoche

Lauren Bair Poche. M.A. Architectural Historian, EHP Senior Manager Attachments

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



Subrecipient: Municipio de Moca

Project Name: Estacionamiento y Plazoleta de Actividades

Project ID: PR-CRP-000870

Project Location: Calle Monseñor J. Torres esquina Calle Valentín Pérez, Moca PR 00676					
Project Coordinates: 18.392063, -67.112277					
<b>TPID</b> (Número de Catastro): 070-032-023-57-000 and 070-042-023-63-000					
Type of Undertaking:					
$\Box$ Substantial Repair					
⊠ New Construction					
Property Size (acres): 0.96 acres					

SOI-Qualified Architect/Archit	ectural Historian: Arch. Edmundo R. Colón Izquierdo, Maria
F. Lopez Schmid, Revised	
Date Reviewed: October 4, 20	023, 3/15/2024
SOI-Qualified Archaeologist:	Ivor Hernández Llanes/ Roberto G. Muñoz-Pando, PhD,
Revised	

Date Reviewed: October 4, 2023/ April 10, 2024

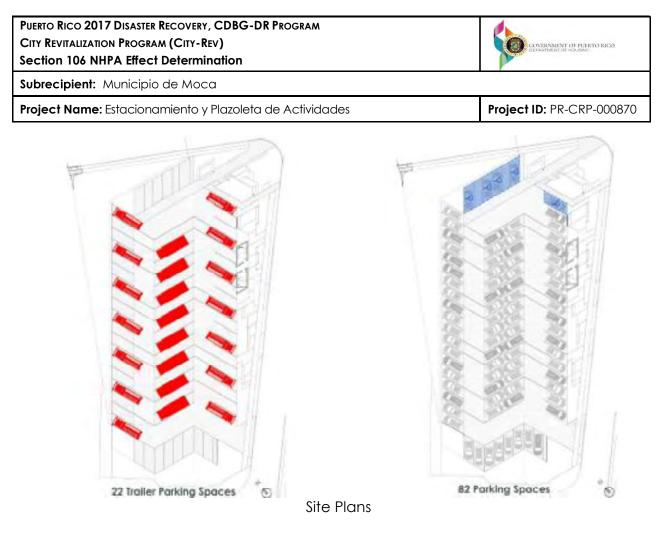
In compliance with Section 106 of the National Historic Preservation Act (NHPA), the Program is responsible for identifying historic properties listed in the NRHP and any properties not listed that would be considered eligible for listing that are located within the geographic area of potential effects (APE) of the proposed project and assessing the potential effects of its undertakings on these historic properties.

#### Project Description (Undertaking)

The Moca "Estacionamiento y Plazoleta de Actividades" (MEPA) project aims to create a new space where emergency vehicles and services can locate to provide services and supplies after any sort of disaster. The project incorporates a large parking area where vehicles or containers can be parked without obstruction. This project will be one of the town's future resiliency hubs.

There are currently no buildings on this site, but it has been impacted previously. (Photo 1) A storm sewer pipe and catch basins within the site connect the municipal system through this lot. (Photo 2) These will be improved as part of this project.

The main undertaking for this project is the construction of a concrete surface that provides approximately 82 parking spots for regular cars or 22 emergency vehicles and trailers. (See diagram below) This parking area will be provided with electrical connection points for emergency vehicles and a transfer switch that allows for connection of a portable emergency generator to power temporary emergency vehicles.



Additional improvements include construction of a roofed performance platform and small bathroom facilities that will serve the community daily. These are the only buildings on site, and total around 800 square feet of construction. Towards the southern side of the project, in front of an existing school, new gardens will provide shaded seating areas and access to the restroom facilities. In the lot's northeast corner, a small square will serve as both plaza and viewing area for the performance platform. Demolition of existing concrete structure and sidewalks surrounding the parking area is also proposed as depicted on page 5 of the 100% designs.



Subrecipient: Municipio de Moca

Project Name: Estacionamiento y Plazoleta de Actividades

Project ID: PR-CRP-000870



Desing Rendering of Plaza

Trees will be planted on Valentin Pérez and Monseñor Streets, as well as on the site's perimeter, as part of regreening initiatives. Additionally, the bathroom building's façade will be planted with vines.



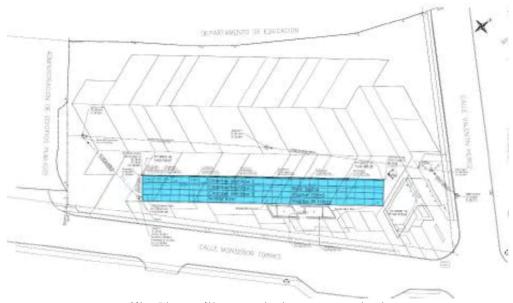
Desing Rendering of canopy sidewalk

Lastly, ground disturbances are limited to shallow excavations for footings of the proposed buildings and a stormwater retention system. The proposed site improvements require that runoff be captured and managed on site. For this purpose, an underground storm water retention chamber system will be installed. This excavation is 56 by 6 meters in area and limited to 1.5 meters from existing grade at its deepest point.



Project Name: Estacionamiento y Plazoleta de Actividades

Project ID: PR-CRP-000870



Site Plan with area to be excavated.

### Area of Potential Effects

As defined in 36 CFR §800.16(d), the area of potential effects (APE) is the geographic area or areas within which an undertaking may directly or indirectly cause changes in the character or use of historic properties if any such properties exist. Based on this definition and the nature and scope of the Undertaking, the Program has determined that the direct APE for this project is 3,765.60 m<sup>2</sup> and the visual APE is the viewshed of the proposed project, which has been defined as the properties and streets surrounding the site, which have an approximate area of 33,000 square meters.

The direct APE is comprised of two parcels with cadaster numbers 070-032-023-57-000 and 070-042-023-63-000. The two portions of the combined parcels have an approximate area of 3,765.60 m<sup>2</sup> (40,532.58 ft<sup>2</sup>).

The Visual APE has been defined as the streets directly adjacent to the property, Valentin Pérez Street, and Monseñor Street, as well as the extension of these where the project will be visible from. Additionally, the open areas and buildings adjacent to or across the street where the project is visible from has been added.

The site is not within the boundaries of a Traditional Urban Center.



Subrecipient: Municipio de Moca

Project Name: Estacionamiento y Plazoleta de Actividades

#### Identification of Historic Properties - Archaeology

Existing information on previously identified historic properties has been reviewed to determine if any such properties are located within the APE of this undertaking. The review of this existing information, by a Program contracted Historic Preservation Specialist meeting the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61), shows that the project area should not affect any archaeological resources.

A review of the electronic files and paper files and site forms at the Puerto Rico State Historic Preservation Office (SHPO), and the electronic site map at the Division of Archaeology at the Institute of Puerto Rican Culture (ICP) revealed that there are two historic properties with potential for in situ archaeological resources within a quarter-mile radius (half-mile diameter) study area centered on the proposed project.

#### Archaeological Data

Two historic properties with potential for in situ archaeological resources are located within 0.25 miles of the APE. "Iglesia Nuestra Señora de Monserrate" is located 0.23 miles northwest of the APE. Its SHPO ID # is MC0200005, its ICP ID # MA-14 and it is a 19<sup>th</sup> century one level religious structure from the Catholic Church. Its National Register of Historic Places (NRHP) status is pending. The other historic properties with potential for in situ archaeological resources is "Escuela Adolfo Babilonia Quiñones", SHPO ID # MC0200007 and ICP ID # MA-16. It is located 0.23 miles northwest of the APE. It was built in 1929 as a school for the town and its value is historic, infrastructure, and institutional. NRHP status is pending.

Most of the APE is located on Moca clay (MuD3) soil with 12 to 20 percent slopes and which is severely eroded, making the soil conditions far less than ideal for archaeological deposits to be found therein.

Four archaeological resource surveys have been conducted within a 0.25-mile radius of this APE. One of these surveys yielded positive results for archaeological materials and three of them yielded negative results for archaeological materials.

The three archaeological resource surveys that yielded negative results for archaeological materials are the following. In 1992, Rossana Santos Emmanuelli authored a Phase IB survey titled: "Mejoras al Sistema de Suministro de Agua," 0.19 miles northwest of the APE at its closest point. Its results were negative and its Institute of Puerto Rican Culture number (IPRC #) is ICP/CAT-A6-92-02-04. In 1989, Miguel Rodríguez López conducted a Phase IA-IB archaeological research study titled "Mejoras y Reconstrucción a Escuela Elemental Urbana," its closest point to the APE being 0.19 miles northwest. Its results were negative and its IPRC # is ICP/CATMC-89-01-01. In 2004, Fernando Alvarado Muñoz wrote a Phase IA-IB

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM         CITY REVITALIZATION PROGRAM (CITY-REV)         Section 106 NHPA Effect Determination	
Subrecipient: Municipio de Moca	
Project Name: Estacionamiento y Plazoleta de Actividades Project ID: PR-CRP-	

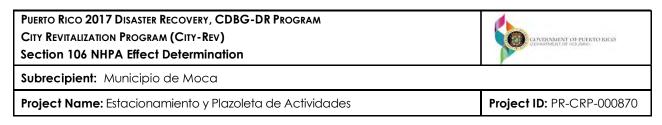
survey titled "Construcción Sistema sanitario en los sectores villa soto, Ave. La Moca y Loperana," 0.21 miles northeast of the APE at its closest point. Its results were negative and its State Historic Preservation Office number (SHPO ID #) is 03-04-04-02.

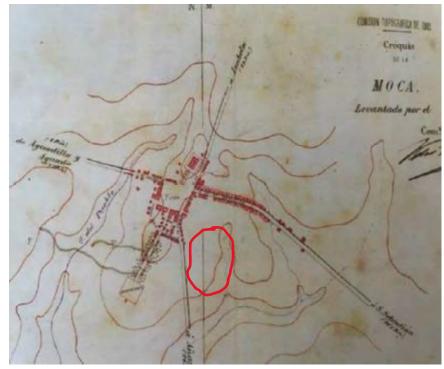
There was one archaeological resource survey within the 0.25-mile buffer that yielded positive results to archaeological materials. The positive results were found in a Phase IA-IB survey, performed in 1994 by Eduardo Questell Rodríguez titled "Alcantarillado Sanitario Moca, Comunidades Isleta, Voladoras y Lomas Verdes. Sub-Troncal Isleta, Voladoras y Lomas Verdes." Its closest point to the APE is 0.20 miles east. The author wrote that a possible precolonial lithics workplace site was discovered. Flakes, nucleus, blades, and hammers were found as well as the point of a petaloid ax and precolonial ceramic fragments. A Phase II survey was recommended, but we did not find paperwork on the Phase II on the agencies. The findings of this survey are the main reason why the program recommends a monitoring on this site.

### Moca Historical Notes

The history of the town of Moca begins with the original inhabitants of the place under the jurisdiction of the chiefdom of Aymamón, territory of Aymaco, although according to the historian Cayetano Coll y Toste, it follows that there were several chiefdoms in the region with their respective leaders to which this region could belong due to its relative proximity. (Coll y Toste 1907)

Under Spanish rule the town of Moca was founded on June 22, 1772 under the invocation of the Virgin of Monserrate, at the request of the neighbor José de Quiñones and "71 neighbors" asked Governor Miguel de Muesas for permission to found the town. The foundation of the town occurs at a time when a great demographic growth occurred on the island. According to the historian Fernando Picó towards the end of the eighteenth century, the population on the island had multiplied by six, not only by births but also by people from different regions of Europe and the Caribbean as a result of political changes. At this time most of the neighbors lived in the fields, there was a church, a jail, butcher, cemetery and eleven houses in the area of the playground with two shops that supplied food to the entire population. In 1775, Moca had 1,051 inhabitants, 121 farms planted with sugar cane, coffee, cotton and minor fruits. Half a century after the foundation there were 5,906 inhabitants (between different ethnicities and origins), and agricultural activity was on the rise, particularly the planting of Moca coffee was constituted with 12 neighborhoods: Pueblo, Aceitunas, Capá, Centro, Cerro Gordo, Cruz, Cuchillas, Marías, Naranjo, Plata, Rocha and Voladora. (Sociedad Cívico- Cultural Inc. Pro-Conmemoración del Bicentenario de Moca 1972) (Picó 1986)





Topographic Map of Moca, 1886. Ejército Español. Approximate APE marked in Red.

Moca received the nineteenth century with a series of natural phenomena that caused considerable damage that affected the economic and social development of the town. In 1807 Hurricane San Agapito hit, in 1816, with Hurricane Santa Prisca the Culebrinas River overflowed, in 1824 the hurricane La Monserrate destroyed all the banana plantations and in 1899 the disastrous hurricane San Ciriaco destroyed all the plantations of the coast. Despite the weather conditions and the damage caused, in 1845 there were eight coffee plantations in Moca, two that were dedicated to cultivation and 680 coffee farms. In 1860 the Irurena estate of the Labadie Succession was founded. The Enriqueta hacienda From the previous table it can be established that the economy of Moca, from the middle of the century was directed to the local market where coffee was exported through intermediaries and sugar cane was milled in nearby mills. In 1868 the superior government of the island requested a detailed report on the conditions of the town with a view to suppressing it, however, the members of the Municipal Board prevented it with solid arguments about the progress achieved. In 1876, Aguadilla requested the annexation of Moca, but this had no effect. (Sánchez Babilonia 1984)

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM         CITY REVITALIZATION PROGRAM (CITY-REV)         Section 106 NHPA Effect Determination		
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On August 14, 1898, the United States Army took possession of Moca and as in all of Puerto Rico, the legal conditions changed. The municipal administration was reorganized and in 1902 the legislature approved the consolidation of 20 municipalities. Moca, after two previous attempts, was annexed to Aguadilla. In 1905, Moca was again constituted as an independent municipality. From then on, there are changes of all kinds and of importance for the development of the town, including: the foundation of a music academy in 1908, work was done on an artesian well in the playground (although the activity had to be suspended because no water was found), the construction of the playground was completed in 1910, In 1919 the first telephone was installed, the first silent cinema named Loyalty in 1920, in 1928 the electric power was inaugurated and in 1967 the Cultural Center was inaugurated, among other events. (Sociedad Cívico- Cultural Inc. Pro Conmemoración del Bicentenario de Moca 1972)



Aerial photo, 1939. The site was a cane plantation. Approximate APE marked in Red.

In 1972, the population of Moca had amounted to 22,361 inhabitants, a total enrollment of 7,003 students, four ecclesiastical institutions, three financial institutions, five organizations civic-cultural and 1963 commercial establishments, among other development projects. Today Moca, the "Capital of the World", as it is recognized, has a population of 39,697 inhabitants according to the 2000 Census and continues to consist of thirteen neighborhoods.

Based on the research we have gathered, the program considers the probability of finding new and undisturbed archaeological resources in the APE low.

 PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM

 CITY REVITALIZATION PROGRAM (CITY-REV)

 Section 106 NHPA Effect Determination

 Subrecipient: Municipio de Moca

 Project Name: Estacionamiento y Plazoleta de Actividades

 Project ID: PR-CRP-000870

#### 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 **not** within the boundaries of a National Register of Historic Places NRHP)- listed property, Traditional Urban Center, or Historic Zone. There are National Register listed properties inside the quarter mile buffer zone from the APE. The NRHP-eligible Traditional Urban Center of Moca, is located 0.14 miles to the northwest and is inside the quarter mile buffer zone from the APE. There are seven NRHP-eligible properties inside the quarter mile buffer zone from the APE. There are summarized below.

**Unidad de Salud Pública** 0.17 miles northwest of the APE. Spanish Revival building constructed circa 1928. Located at 18.394493, -67.111426.

**Estación de Bomberos** 0.05 miles west of the APE. Constructed ca. 1950 with second level addition on the front portion of the building. Located at 18.393416, -67.113440.

**Casa Criolla** en Calle Blanca E. Chico, Núm. 187, 0.18 miles northwest. Ca. 1950 Criollo wooden house with a side gable roof and full width balcony. Located at 18.394212, -67.113719.

**Escuela Adolfo Babilonia Quiñones**, 0.22 miles north of the APE. Located at 18.395421, - 67.112772.

Plaza José D. Quiñones, 0.21 miles northwest. Located at 18.394734, -67.113762.

**Parroquia Nuestra Señora de la Monserrate**, 0.24 miles to the northwest of the APE has classical architectural language with a belfry. Renovated in 1990, only the dome of the altar remains from the original. c1950. Located at 18.395422, -67.113268.

**Residencial José A. Gándara**, 0.11 miles west of the APE. This public housing complex was constructed in 1955, consisting of 11 buildings. Located at 18.391728, -67.113931.

Since this lot is empty of any structure, the proposed project in the APE will not affect historic properties.



Subrecipient: Municipio de Moca

Project Name: Estacionamiento y Plazoleta de Actividades

Project ID: PR-CRP-000870

#### Determination

The following historic properties have been identified within the APE:

- Direct Effect: None
- Indirect Effect: None

Based on the results of our historic property identification efforts, the Program has determined that no historic properties affected is appropriate for this undertaking.

In the past, the site was used for agricultural activity of minor products and sugar cane. In the mid-twentieth century the town began to expand, and the fields were eliminated in its urbanization process. All remnants of the agricultural past have been eliminated from the site and its surroundings. Around the site there is a public middle school in front and a sports complex to the northeast. The overall area is being used as a parking lot, so the project does not visually affect the surrounding area. There are no buildings in the site.

Due to the soil conditions of the APE being severely eroded, the closest archaeological sites are located 0.23 miles northwest of the APE, and the distance from the APE to the closest positive archaeological resource survey (0.20 miles east), the program has determined that no archaeological resources will be affected by this project.



Project Name: Estacionamiento y Plazoleta de Actividades

Project ID: PR-CRP-000870

#### 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):

 $\boxtimes$  No Historic Properties Affected

□ No Adverse Effect

Condition (if applicable):

□ 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.

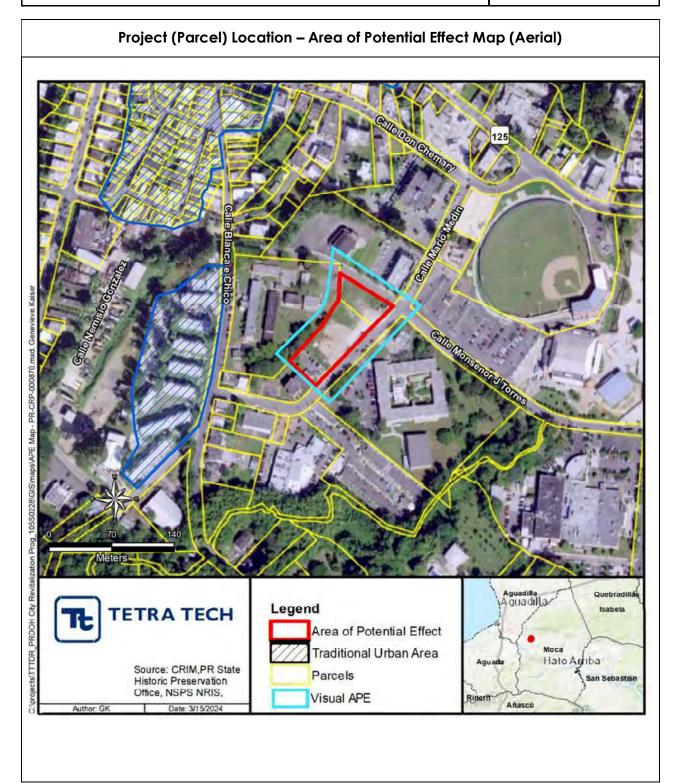
Comments:

Carlos Rubio-Cancela State Historic Preservation Officer Date:



Subrecipient: Municipio de Moca

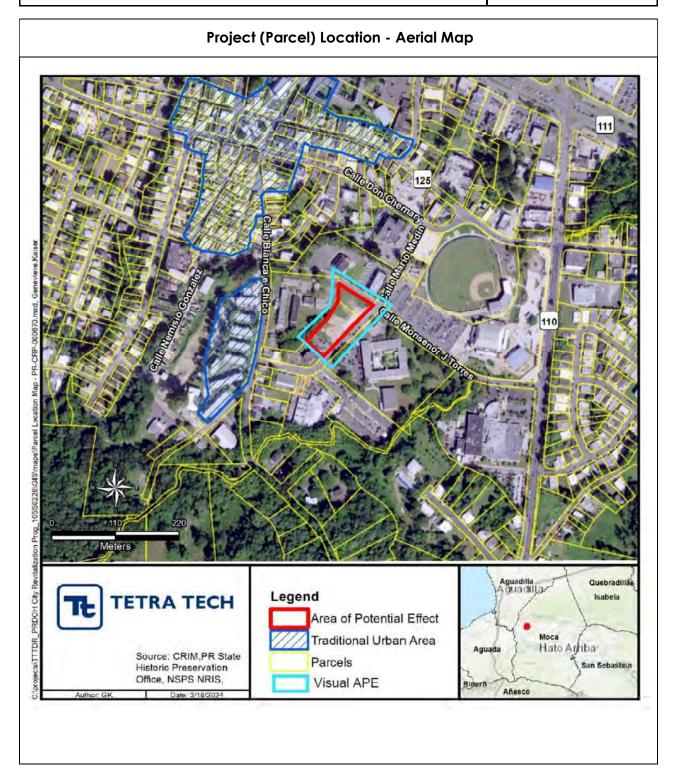
Project Name: Estacionamiento y Plazoleta de Actividades



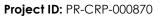


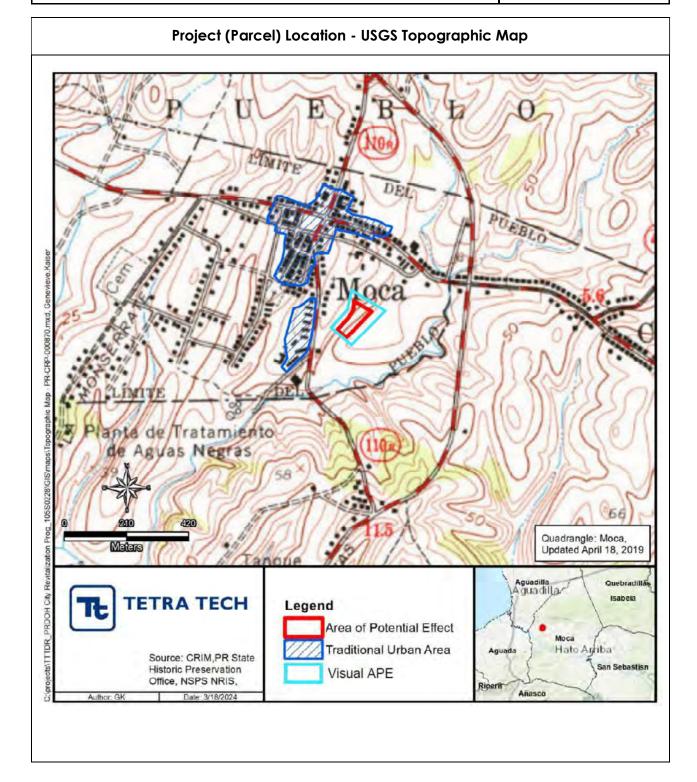
Project ID: PR-CRP-000870

Subrecipient: Municipio de Moca





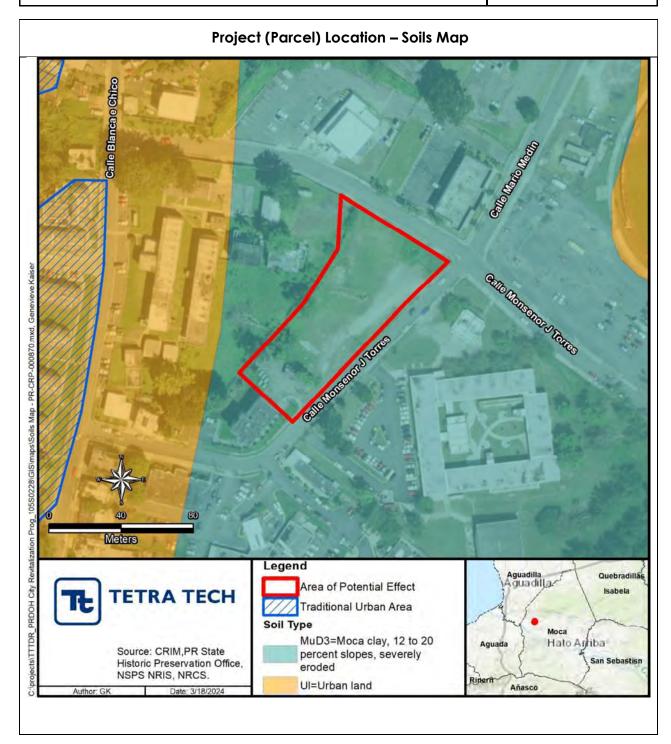


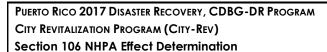




Project ID: PR-CRP-000870

Subrecipient: Municipio de Moca



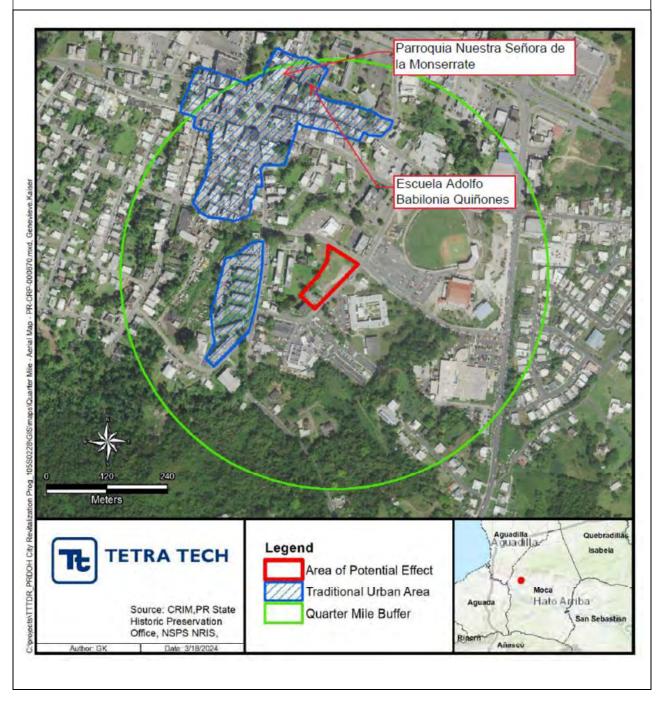




Project Name: Estacionamiento y Plazoleta de Actividades

Project ID: PR-CRP-000870

### Project (Parcel) Location with Previously Recorded Archaeological Sites- Aerial Map



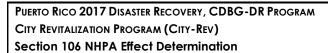


Subrecipient: Municipio de Moca

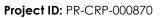
Project Name: Estacionamiento y Plazoleta de Actividades

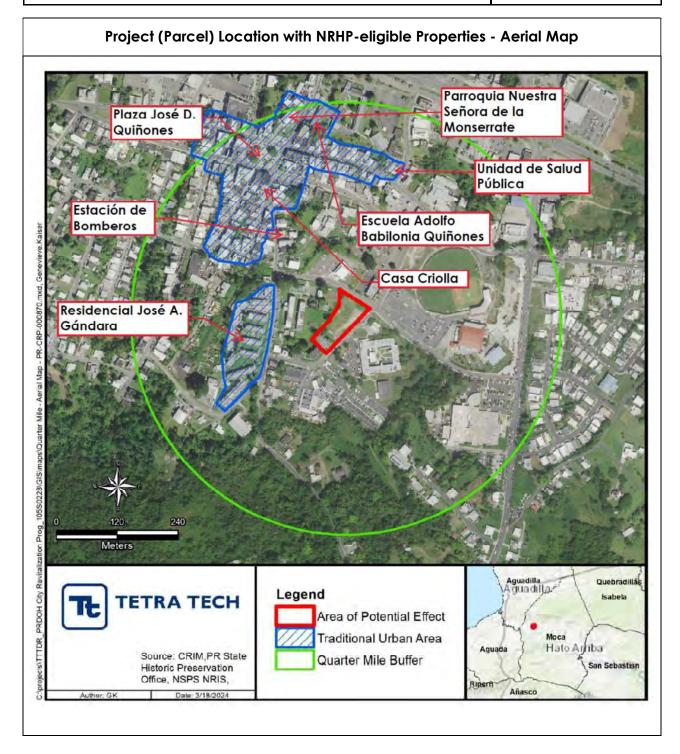
Project ID: PR-CRP-000870

## Project (Parcel) Location with Previously Recorded Archaeological Sites **USGS Topographic Map** Parroquia Nuestra Señora de la Monserrate Escuela Adolfo Babilonia Quiñones COLUMN AND A aca Dam C Quadrangle: Moca, Updated April 18, 2019 Aguadilla Aguadilla/ å Legend PRDOH CAV TETRA TECH Isabela Area of Potential Effect Traditional Urban Area Moca tsATT TDR Hato Arriba Aquada Source: CRIM.PR State Quarter Mile Buffer Historic Preservation San Sebastisn Office, NSPS NRIS, Rip Añasco





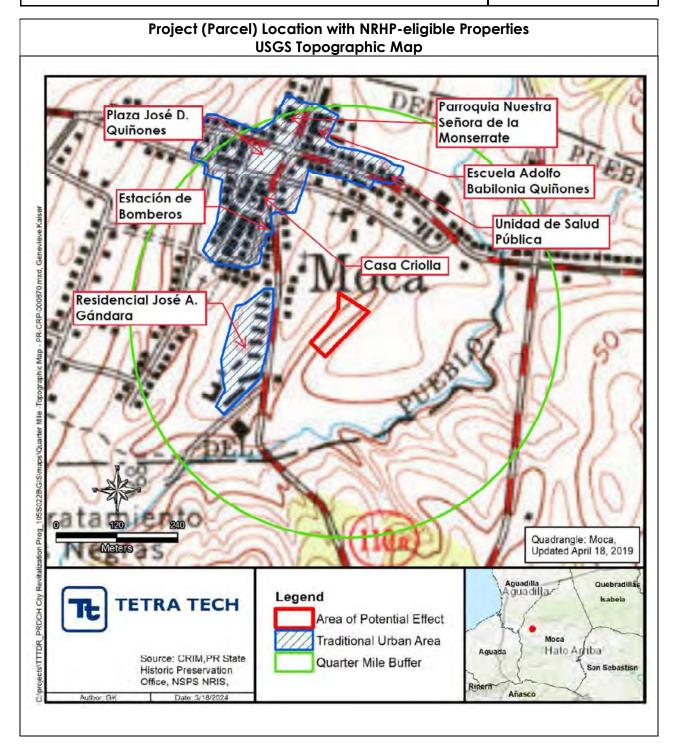






Subrecipient: Municipio de Moca

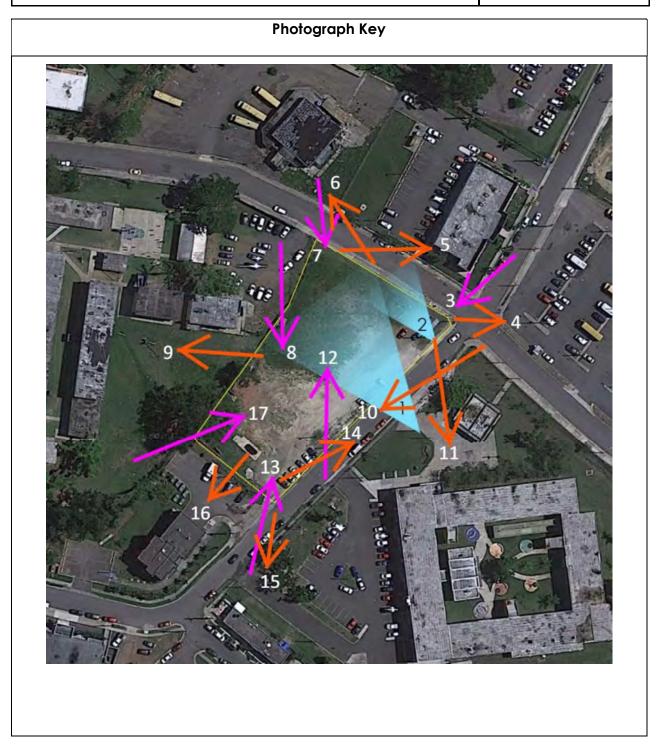
Project Name: Estacionamiento y Plazoleta de Actividades





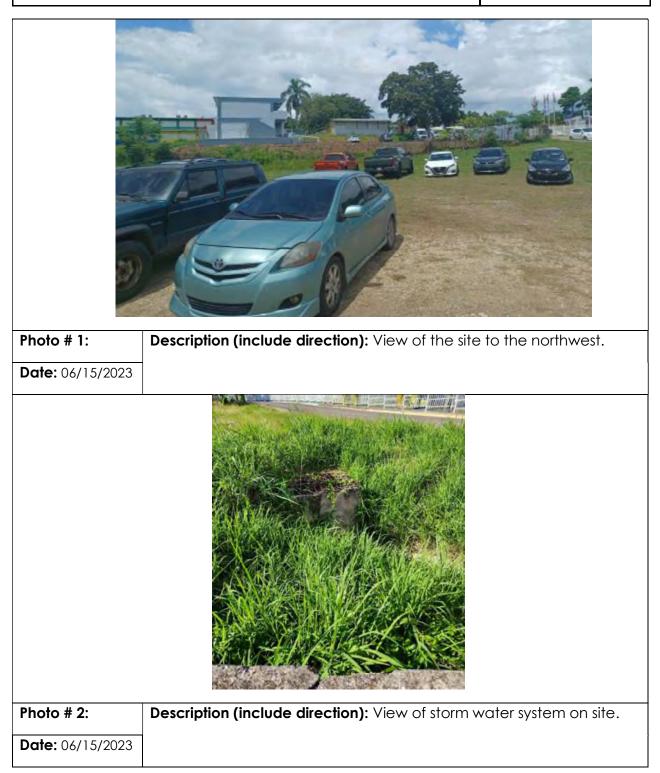
Subrecipient: Municipio de Moca

Project Name: Estacionamiento y Plazoleta de Actividades





Project Name: Estacionamiento y Plazoleta de Actividades





Project ID: PR-CRP-000870

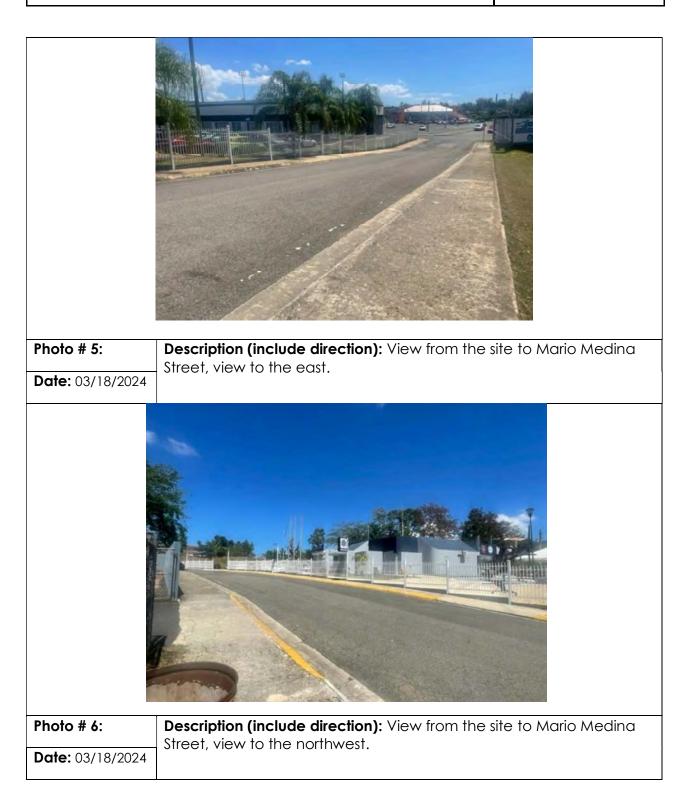
Subrecipient: Municipio de Moca

Photo # 3:	<b>Description (include direction):</b> View of the site from Mario Medina
Date: 03/18/2024	Street, view to the southwest.
Photo # 4:	Description (include direction): View from the site to Mario Medina
Date: 03/18/2024	Street and Monseñor J. Torres Street, view to the east.



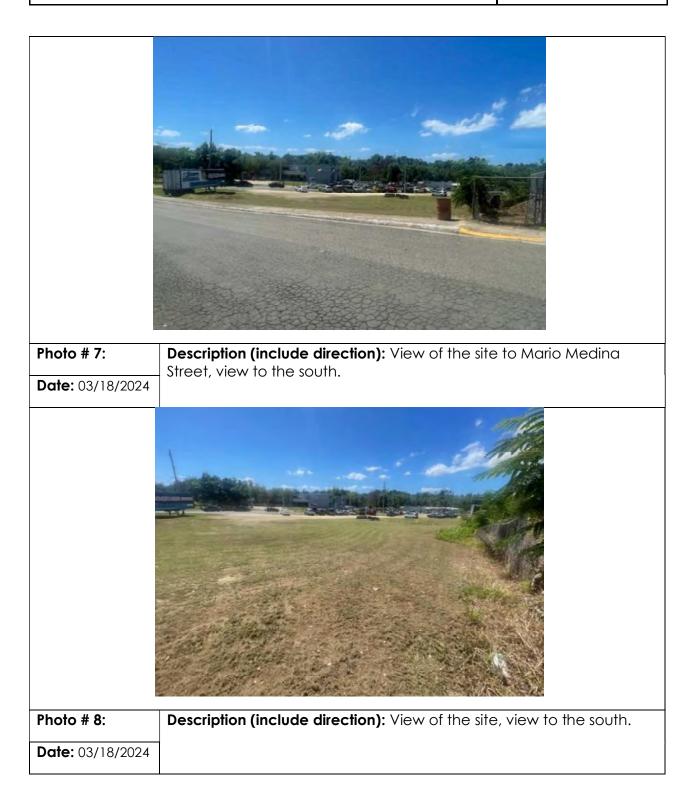
Project ID: PR-CRP-000870

Subrecipient: Municipio de Moca





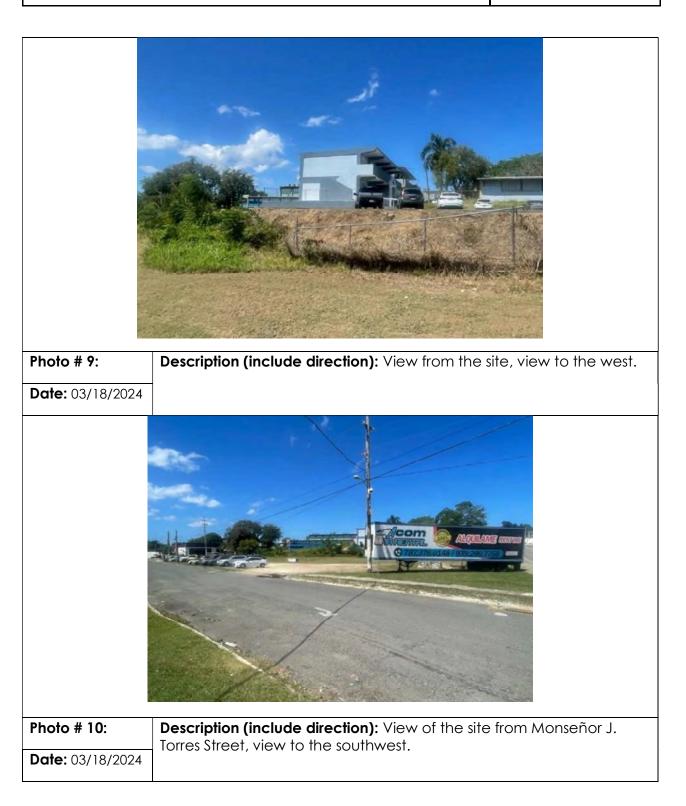
Project Name: Estacionamiento y Plazoleta de Actividades





Project ID: PR-CRP-000870

Subrecipient: Municipio de Moca





Project Name: Estacionamiento y Plazoleta de Actividades

Photo # 11:	Description (include direction): View from the site to Monseñor J.
Date: 03/18/2024	Torres Street, view to the south.
Photo # 12:	<b>Description (include direction):</b> View of the site from Monseñor J. Torres Street, view to the north.
Date: 03/18/2024	,



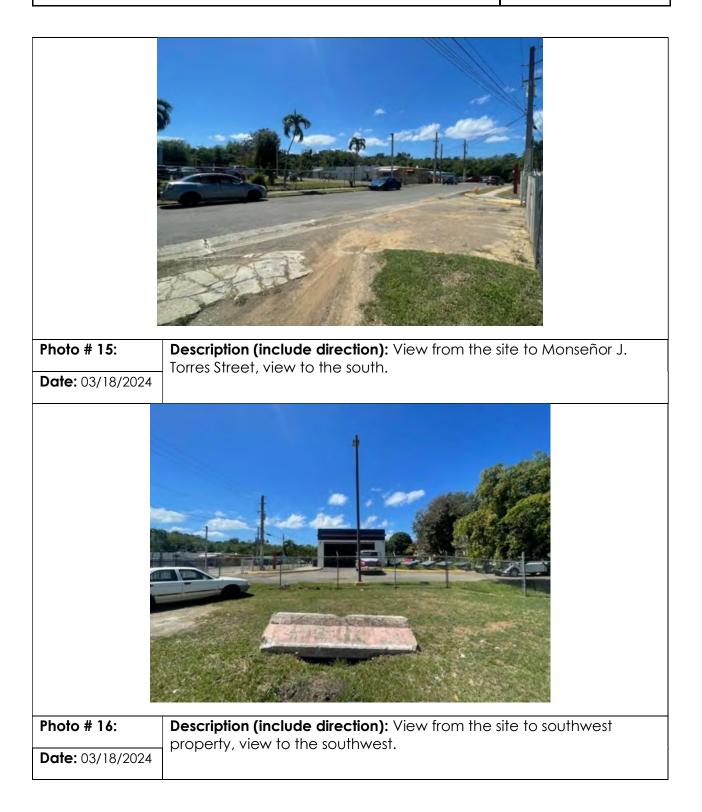
Project ID: PR-CRP-000870

Subrecipient: Municipio de Moca

Photo # 13:	<b>Description (include direction):</b> View of the site from Monseñor J.
Date: 03/18/2024	Torres Street, view to the northeast.
Photo # 14:	<b>Description (include direction):</b> View from the site to Monseñor J.
Date: 03/18/2024	Torres Street, view to the northeast.



Project Name: Estacionamiento y Plazoleta de Actividades





Subrecipient: Municipio de Moca

Project Name: Estacionamiento y Plazoleta de Actividades



Sheet List Name Construction Documents 100% Code Review, LA and ARCH General Notes. Symbols & Abbreviations G100 SU100 Code Review, LA -SU100 Survey CI100 Plazoleta Site Plan CI101 Plazoleta Doctor 
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# Construction Documents 100% PR-CRP-000870 Estacionamiento y Plazoleta de **Actividades**

Calle Monseñor J. Torres esquina Calle Valentín Pérez, Moca PR 00676 Municipality of Moca

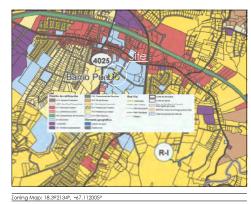




Location Map: 18.392134°, -67.11200









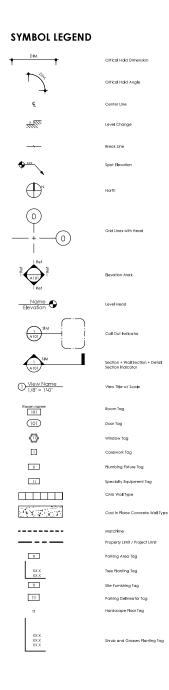
Project #

Pérez,

Calle Monseñor . Valentín

-

ABBREVIATIONS			
A.B. ABV	Anchor Bolt Above		
A.F.F	Above Finish Roor		
ALUM.	Aluminum		
BOT. BYND.	Bottom Beyong		
CL CHR. CLG.	Center Line Chrome		
CLG. CLR.	Chrome Celling Clear		
C.M.U. COL	Concrete Masonny Unit		
COL	Column		
COORD. CONT.	Coordinate Continue / Continous		
DIA.	Diameter Detail		
DET. DIM.	Detail Dimension		
DN. DR	Down Door		
DWG.	Drawing		
E.	East		
EA.	Each		
ELEC. ELEV.	Electrical Elevation		
EQ. EXIST.	Equal Existina		
EXT.	Exterior		
F.D.	Roor Drain		
F.F. F.F.E FIN	Finish Floor Finish Floor Elevation		
FIN. FL.	Finish Roor		
HGT. HORZ.	Height Horizontal		
INT.	Interior		
J.T.	Joint		
LVR.	Louver		
MAX. MECH.	Maximum Mechanical		
MFR.	Mapufacturer		
MIN. M.O. MIL.	Minimum Masonry Opening		
MTL.	Metal		
N, N.T.S	North Not to Scale		
0A.	Overall On Center		
O.C. OD	On Center Outdoor		
OPG. OPP.	Opening Opposite		
PAR. PERP.	Parallel		
PERP. P.M.	Perpendicular Pressed Metal		
PDT	Painted Pressure Treated		
P.T.			
R. R.D.	Radius Roof Drain		
REF. REINF.	Root Drain Refer to		
PEO'D	Reinforced Required		
RM. R.O.	Required Room Rough Opening		
S.B SEAL.	Shadow Bead Sealant		
S. SCP.	South Skim Coat Plaster		
SECT.	Section		
S.F. SIM.	Square Foot Similar		
SPEC. S.S.	Specifications		
STL.	Specifications Stainless Steel Steel		
STR.	structure		
T.B.S THK.	To Be Selected Tounge & Groove Top of Concrete Top of Masonry Top of Parapet Top of Wall		
T.O.C. T.O.M	Top of Concrete		
T.O.P.	Top of Masonry Top of Parapet		
T.O.P. T.O.W. TYP.	Top of Wall Typical		
U.O.N.			
V.B. VERT.	Vapor Barrier		
VERT. V.IF.	Unless Otherwise Noted Vapor Barrier Vertical Vertity in Field		
W. WD.	West		
WD. W/ W/O	Wood With		
W/O WP.	With out Water Proof		
	manor ribbi		



#### APPLICABLE CODES AND REGULATIONS

Applicable Coder and Lows	Abbraviation
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International Building Costs 2018	HC
Puerto Rico Building Code 2014	PERG
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#### Proiect Team

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Geolech Luis J. Urquiza Roman Lic. 17256 Carr. 2, Km. 221.8 Bo. El Tuque Ponce, PR 00731-7761 veriverapriigmail.com 787.259.1410

**ARCHITECTURE GENERAL NOTES** 

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#### LANDSCAPE ARCHITECTURE GENERAL NOTES

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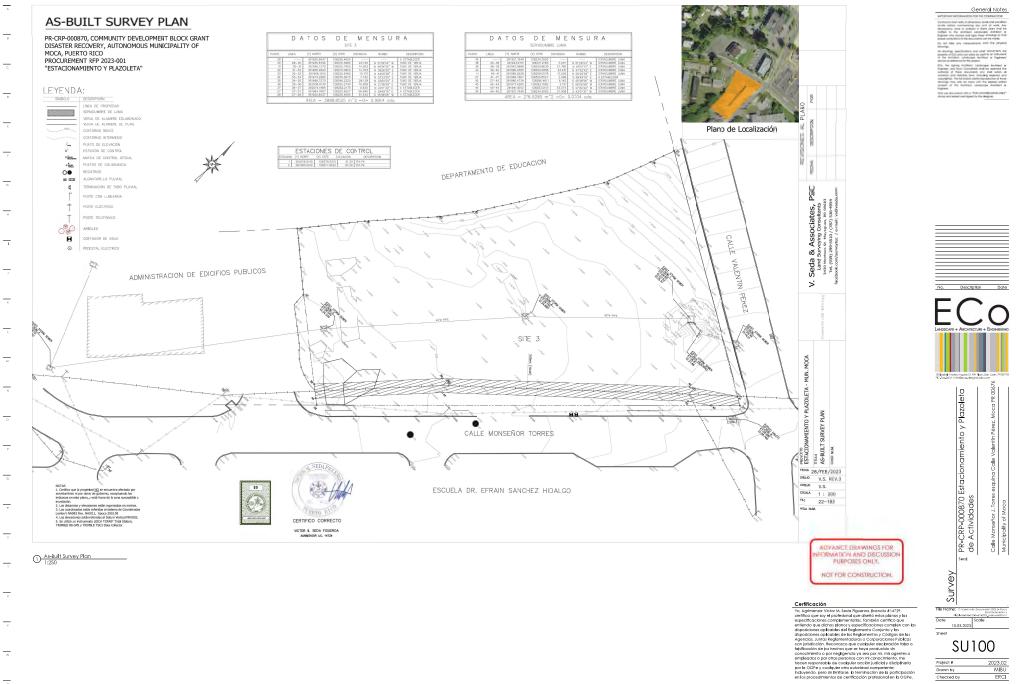
personas con mi conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe y cualquier otra autoridad competente, incluyendo, pero sin imitarse, la terminación de la participación en los procedimientos de centificación profesional en la OGPe.

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Drawn by	MIBU
Checked by	ERCI

ADVANCE DRAWINGS FOR

VEORMATION AND DISCUSSIO PURPOSES ONLY. NOT FOR CONSTRUCTION



Project # 2023.02 MIBU Drawn by ERC

#### GENERAL NOTES

- The contractor is responsible for evaluating field conditions and the scope of work to be done by visiting the site prior to submitting the proposal. The contractor shall familiarize himself with the actual field conditions.
- 2. The location and size of all existing utilities and topography have been prepared from the most reliable information available to the engineer. This information is not guaranteed, and it is the contractor's responsibility to determine the exact location of any existing utilities prior to construction. The c determine interact location any example interaction and agreetic methods and by contractor shall verify all utilities, by electronics and magnetic methods and by hand excavation operations. All utilities encountered during construction shall be identified and shown on as built plans which include type of utility, direction, D location, elev., etc.
- No deviation from the plans or specifications shall be permitted without prior approval of the engineer. If a discrepancy, ambiguity, or conflict is noted, the contractor shall immediately contact the engineer for resolution.
- The contractor is responsible for laying out the work from established reference points, surveys, and baseline controls. Contractor shall maintain baselines and monuments. A minimum of three temporary benchmarks accessible for each work zone.
- 5. The contractor shall be responsible for the repair and restoration of existing payement, pipes, conduit cables, etc. And landscaped areas damaged because of the contractor's operations and/or those of his subcontractors and shall restore them promptly at no expense to the owner. 6
- 6. All debris shall be removed and property disposed of by the contractor as soon as possible. The contractor shall maintain the site free of debris and waste material upon the completion of construction of each phase in accordance н with contract plans and specifications. Debits shall not encroach any existing operating roads, building sites, etc.
- Contractor shall welly all dimensions, likels and concrition on site before commencing any and all west. Any discensions, want or organize in these places what want all be retified to the Architect Londocque Architect or Engineer who stores and align these drowings to that proper comes form to the discurrents can be made. A second DEPARTAMENTO DE EDUCACION ADMINISTRACION CALLE B EDICIFIOS VALENTIN Parking Area ∢ PUBLICOS PEREZ 4 X Storm Water Chamber/System *.*/// Platform Bathrooms & Roof  $\wedge$ ∑Public Plaza` ----CALLE MONSEÑOR TORRES 101 ESCUELA DR. EFRAIN SANCHEZ HIDALGO
  - F 103 Colle Isobel Andreu Agullar, 41 Piso, San Juan, PR 00918 201 244 0/10 <u>0</u>2 Moca de de 70-Estacionamiento y Plazoleta Pérez, esquina Calle Valentin señor J. Torres Provide the second seco PR-CRP-000870 Actividades Calle Monseñar J. 06/76 Municipia de Maa ADVANCE DRAWINGS FOR 10.03.2023 1:200 ORMATION AND DISCUSSION Sheel

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Project #

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General Notes

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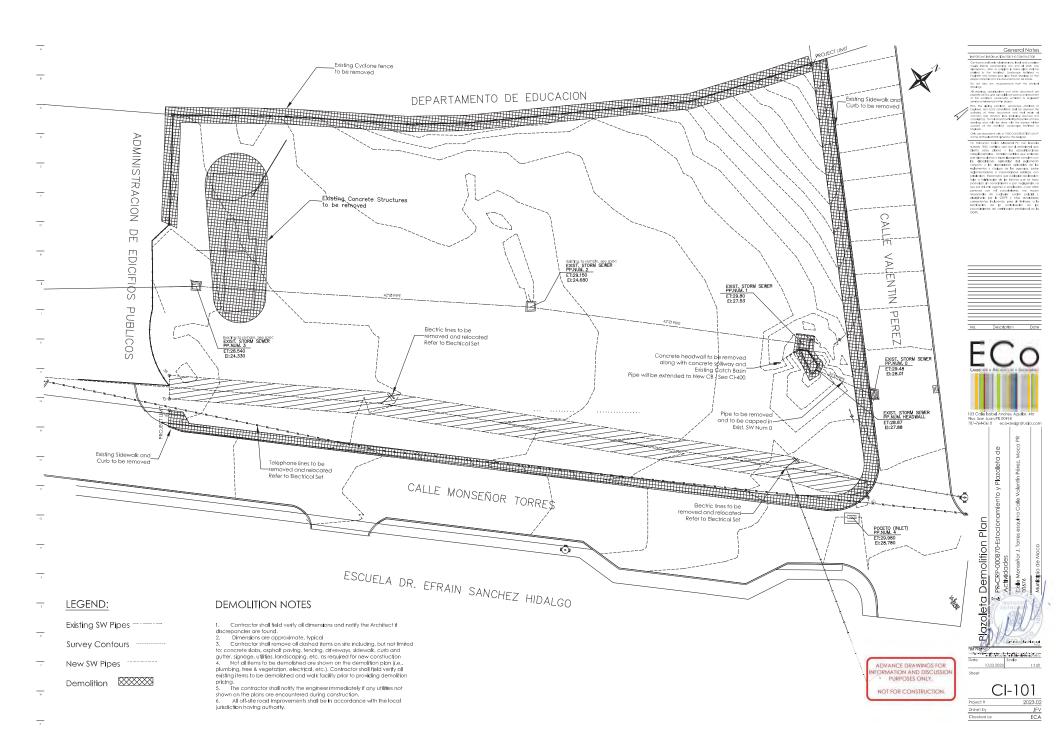
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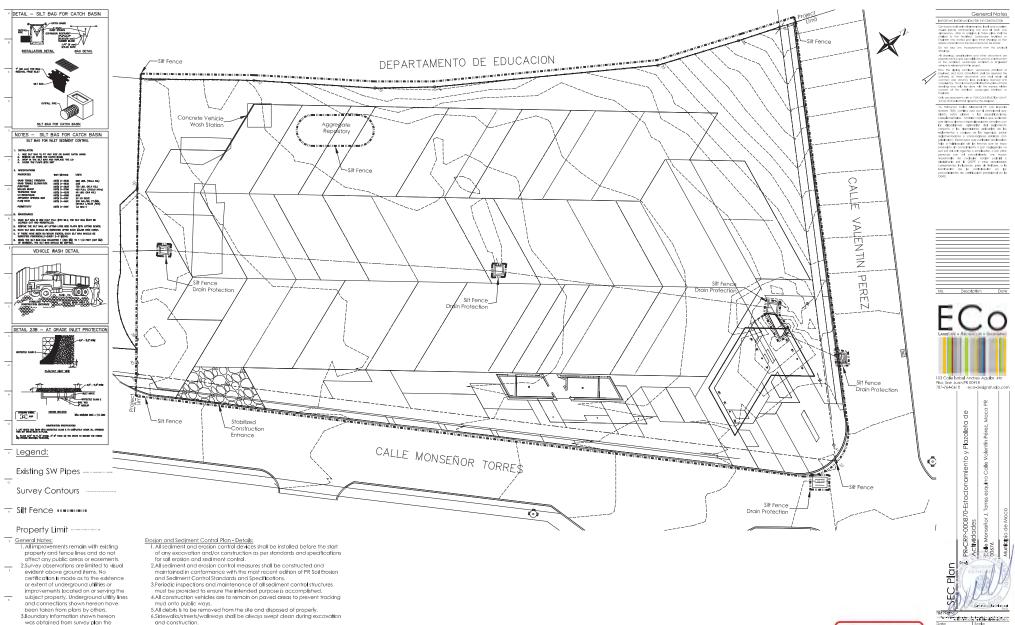
Existing SW Pipes -----

- New SW Pipes -
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- been taken from plans by others. 3.Boundary information shown hereor was obtained from survey plan the received survey plan, as prepared and certified by Marcos Ramos, PLS, Lic. # 9631.
- 4 Prior to commencement of construction activities verify invert elevation of existing utilities. Notify owner
- of any discrepancies with information shown prior to ordering any structures.
- and construction.
- 7. All yard drain inlets are to be protected during excavation and construction. 8.If any yard drain inlet becomes clogged because of excavation or

- construction, the contractor shall be responsible for its cleaning. 9. Any stockpiling, regardless of location, shall be stabilized and covered with plastic or canvas after its establishment and for the duration of the project.
- 10. Contractor to control dust blowing and movement.

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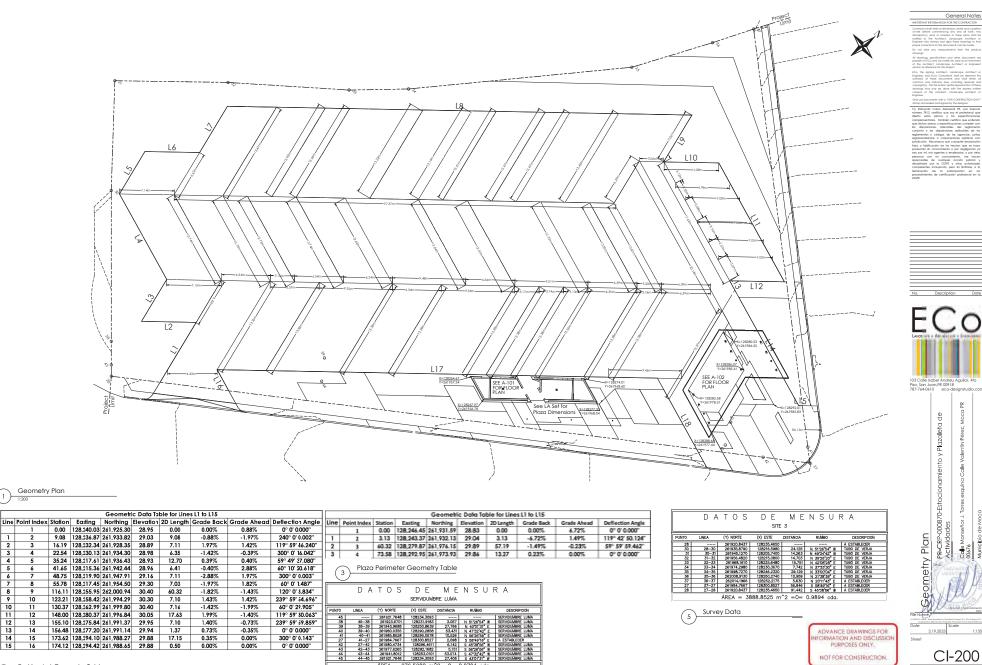
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ADVANCE DRAWINGS FOR

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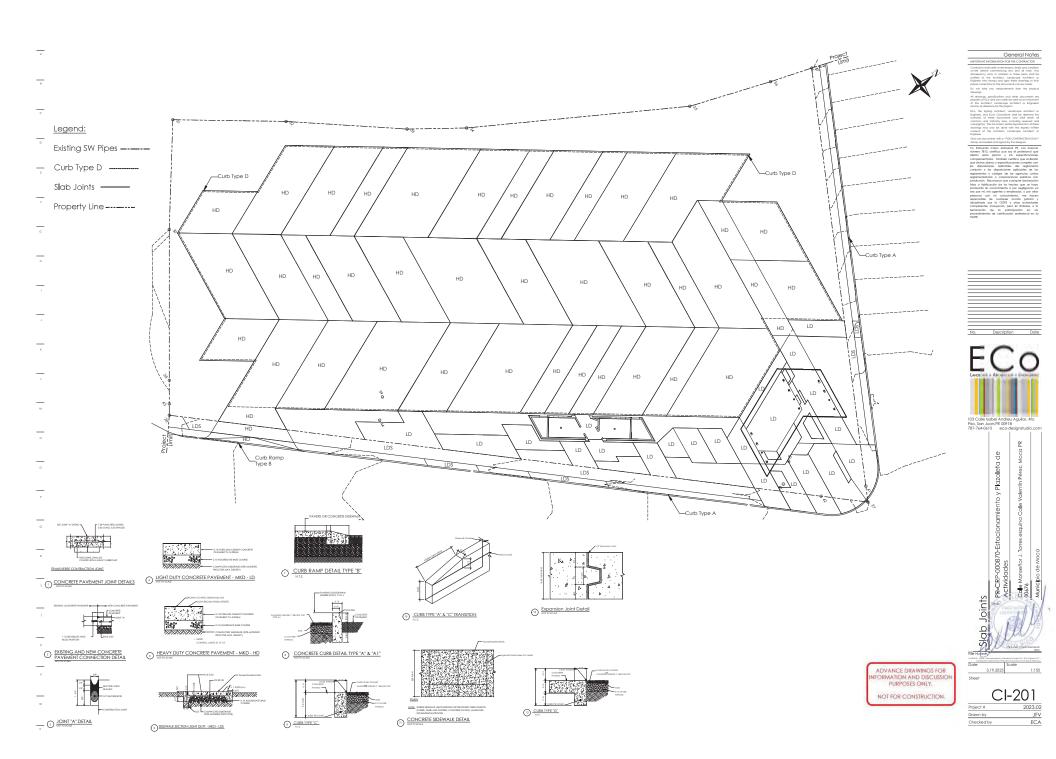
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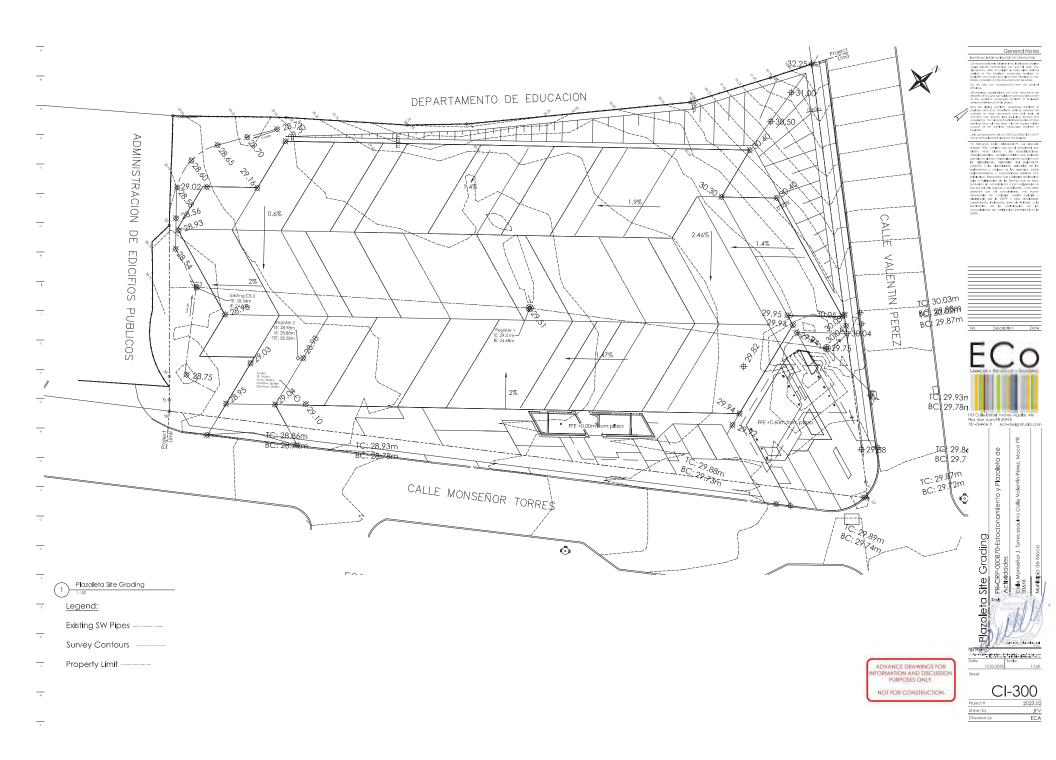
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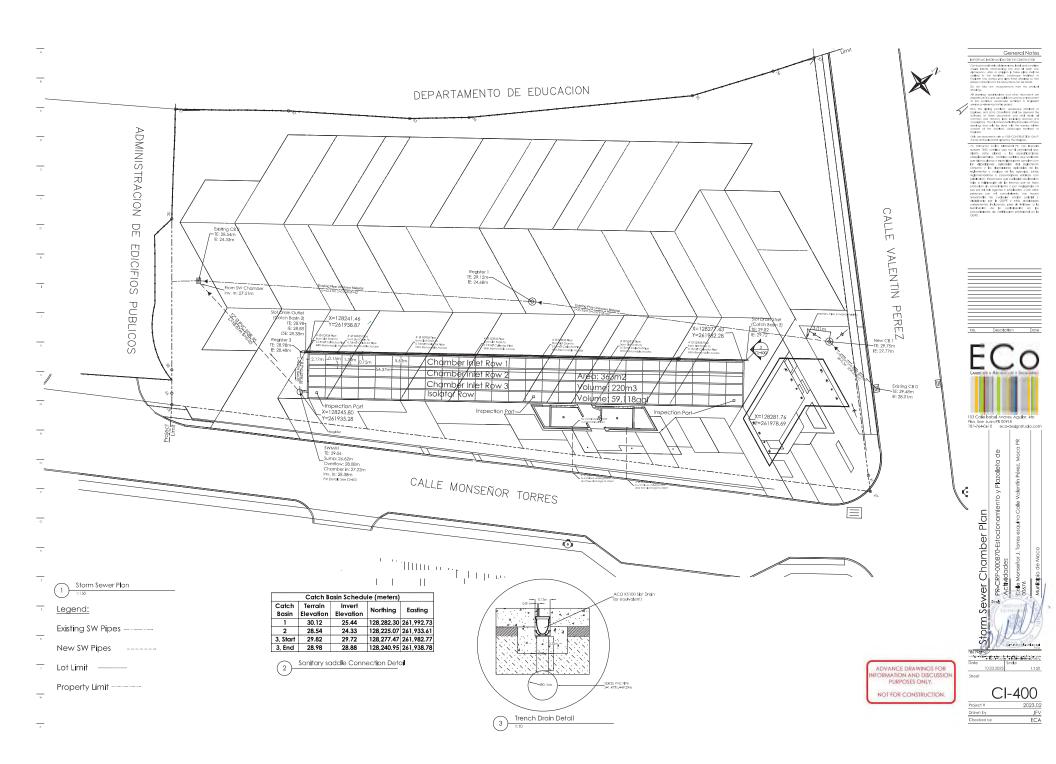
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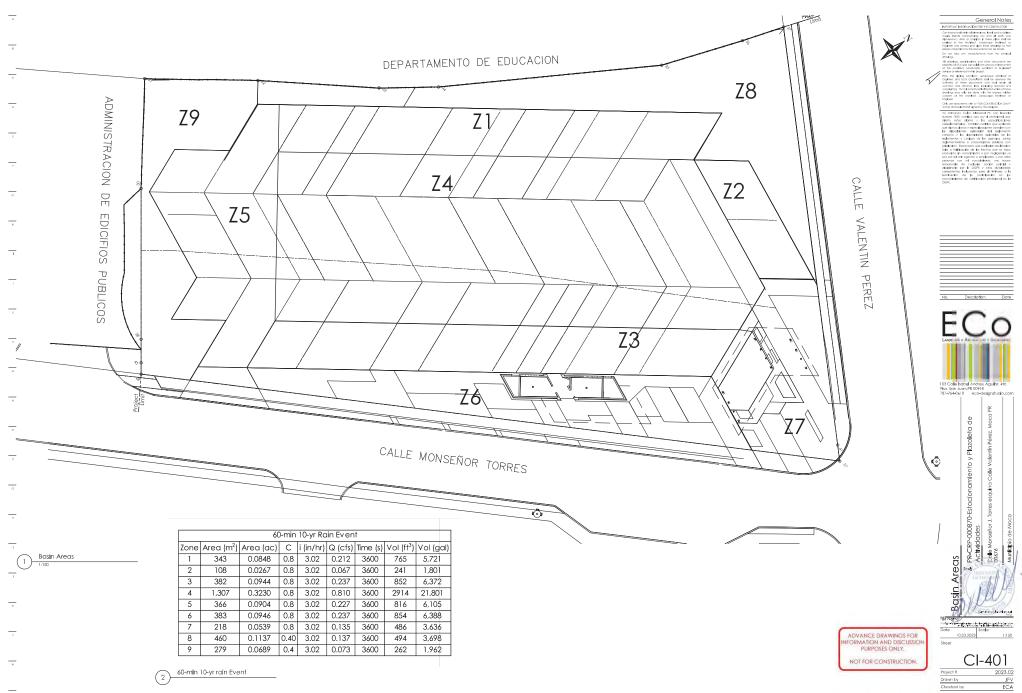
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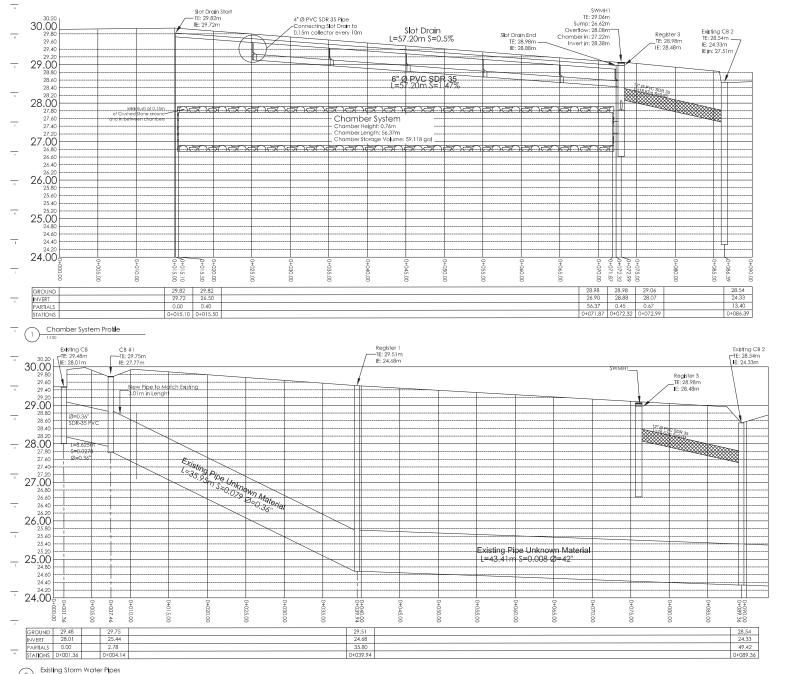
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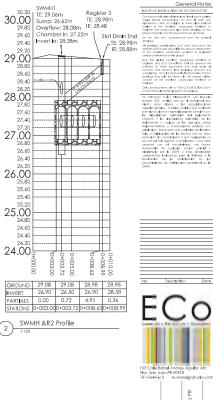










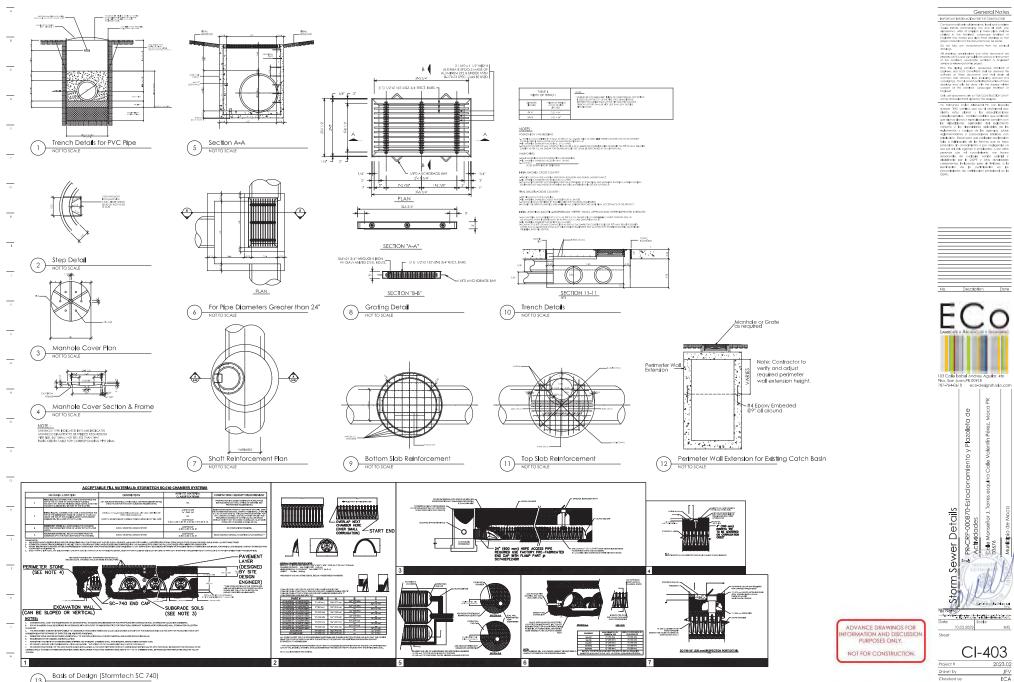


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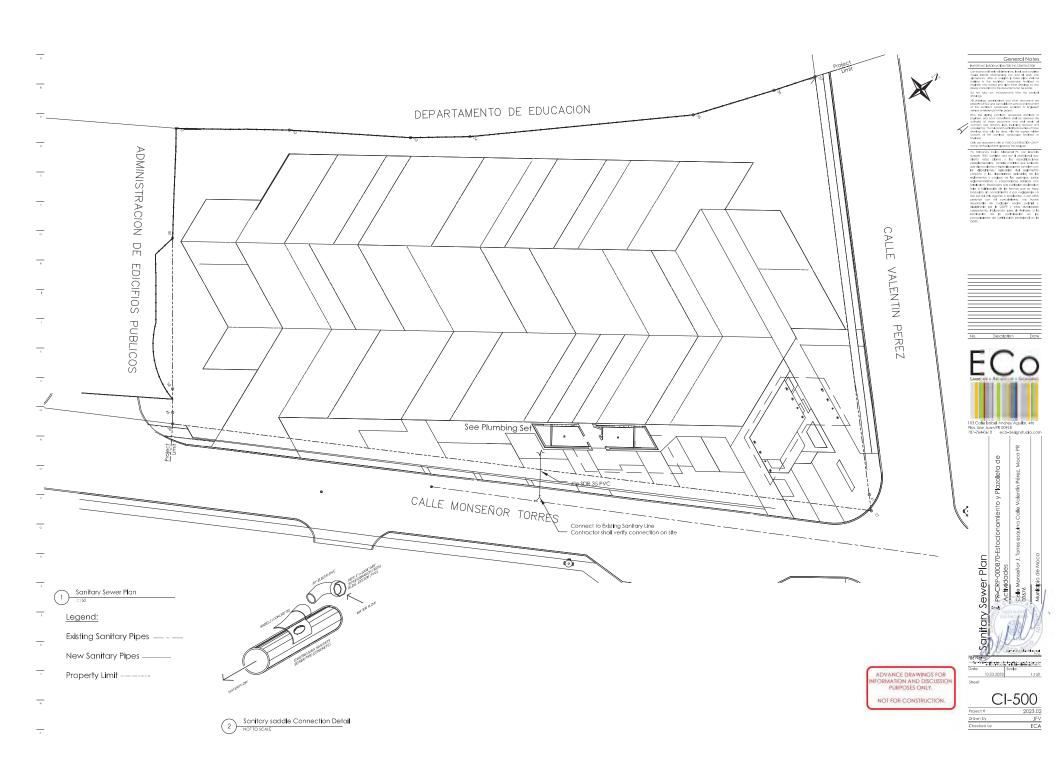
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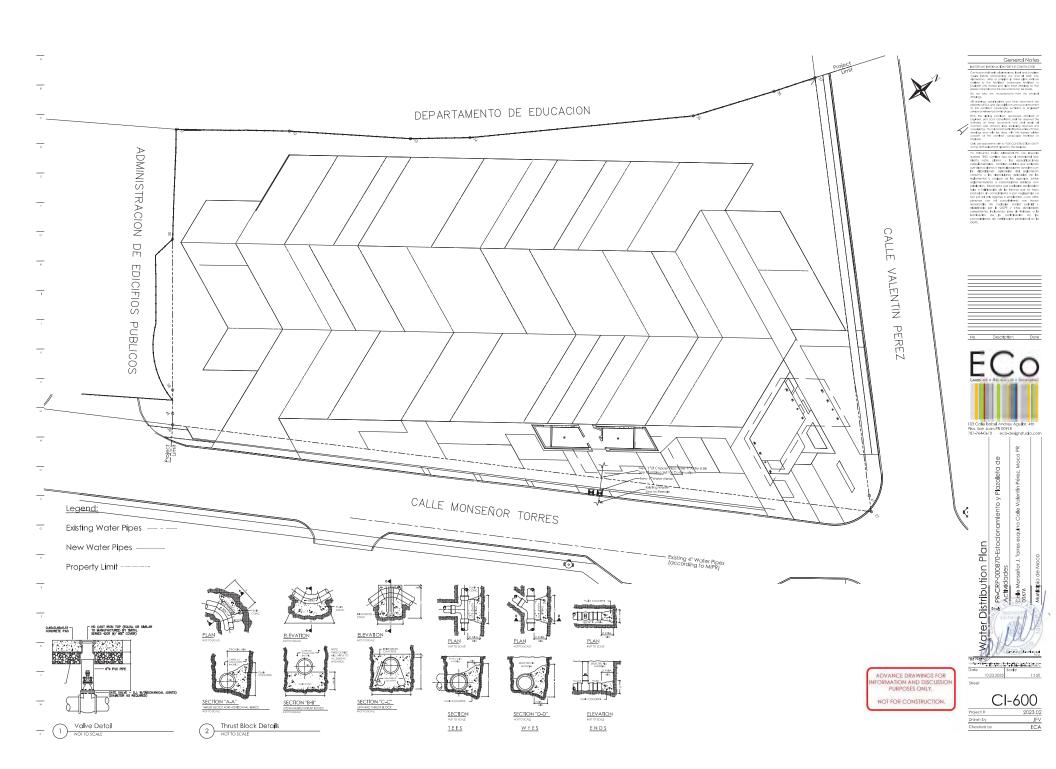


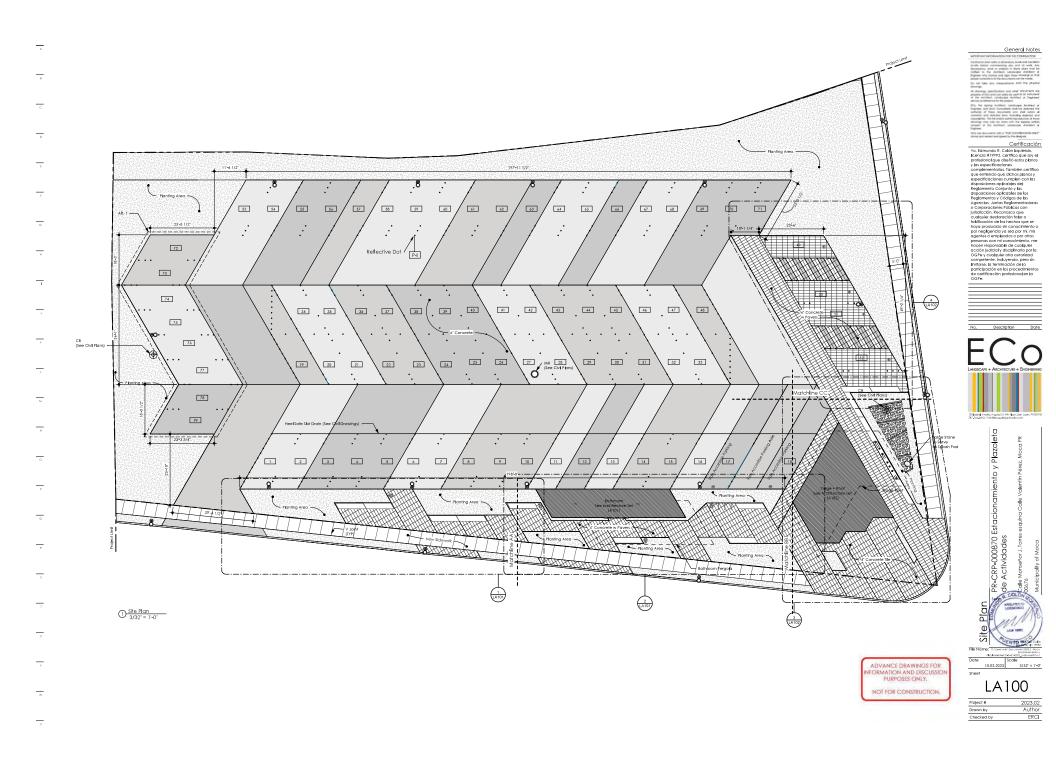
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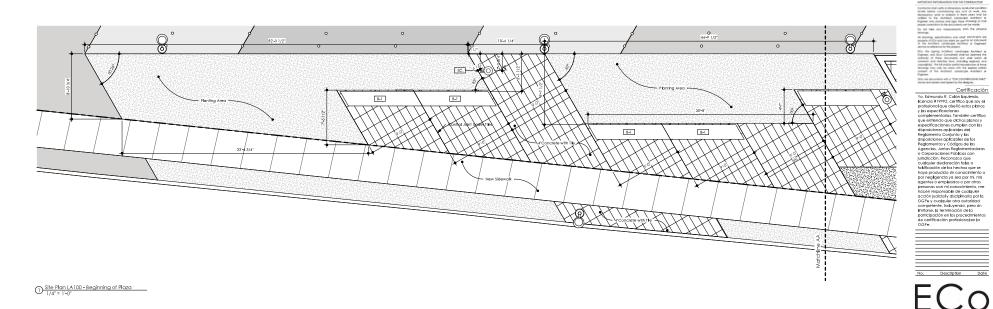
(13)-Basis of Design (Stormtech SC 740)

NOTE: Provide Equal or Similar System









Site Plan LA 100 - Beginning of Plaza

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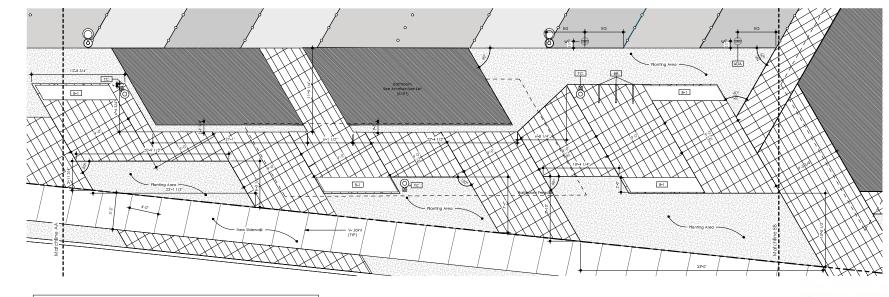
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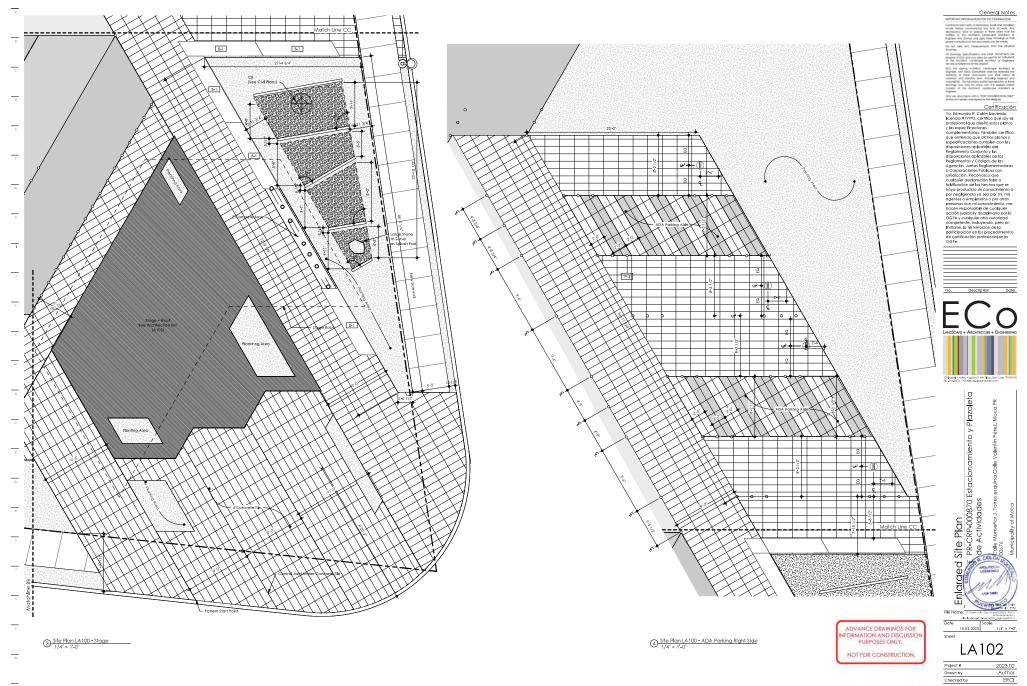
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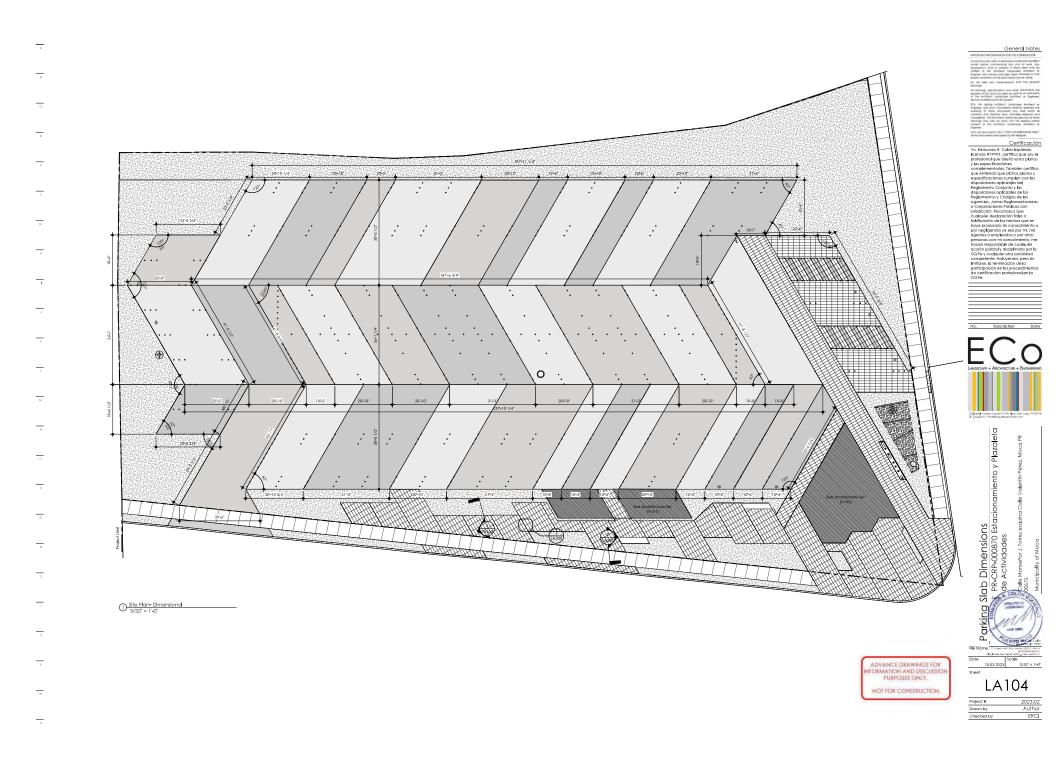
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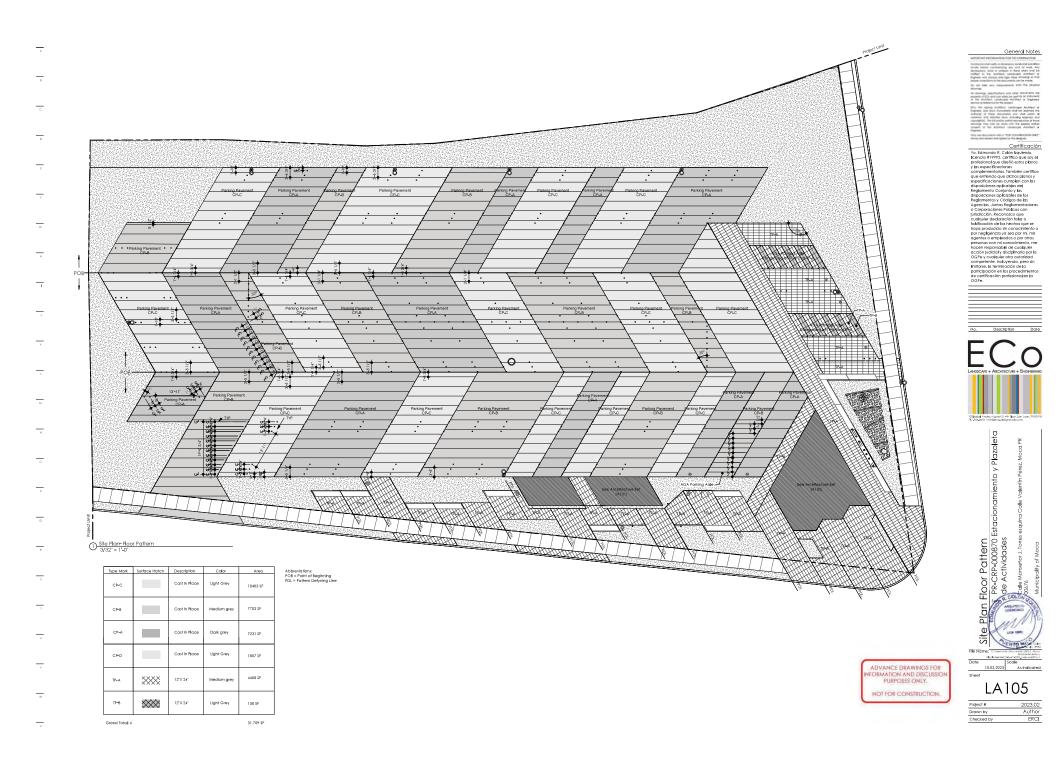
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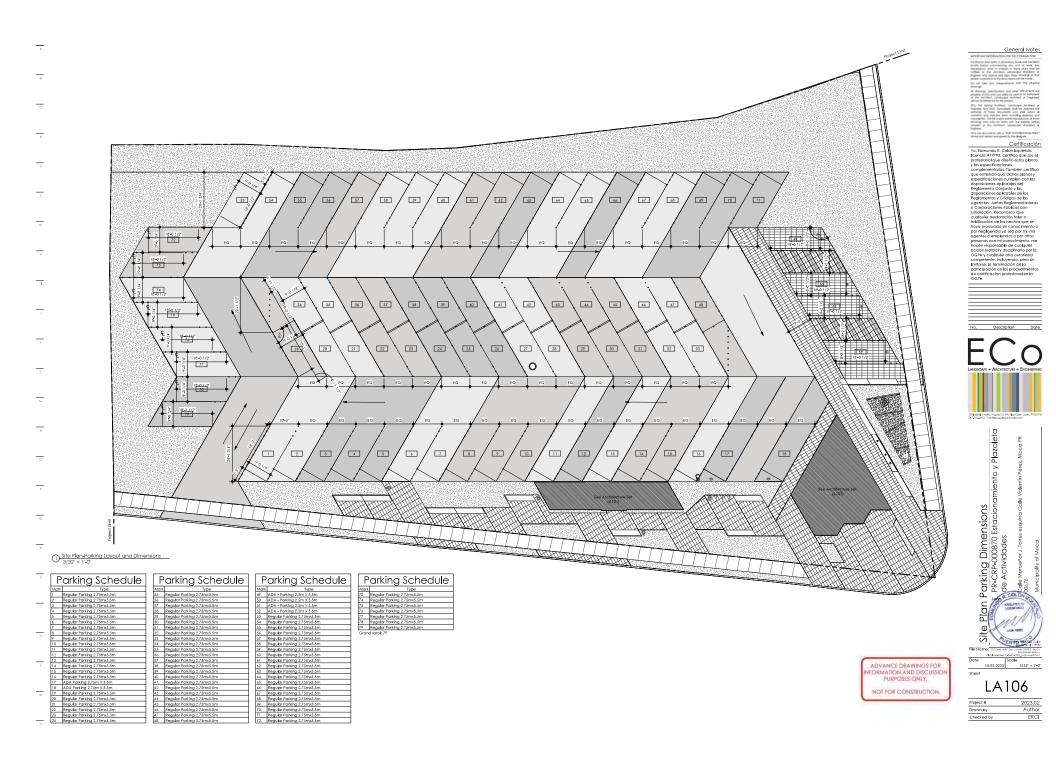
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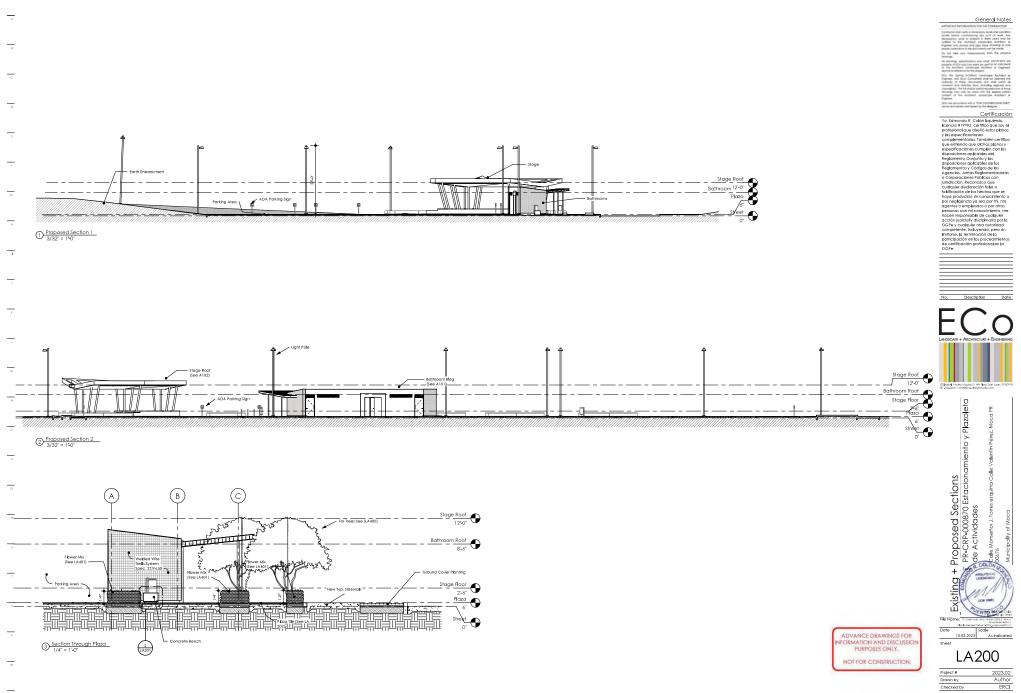
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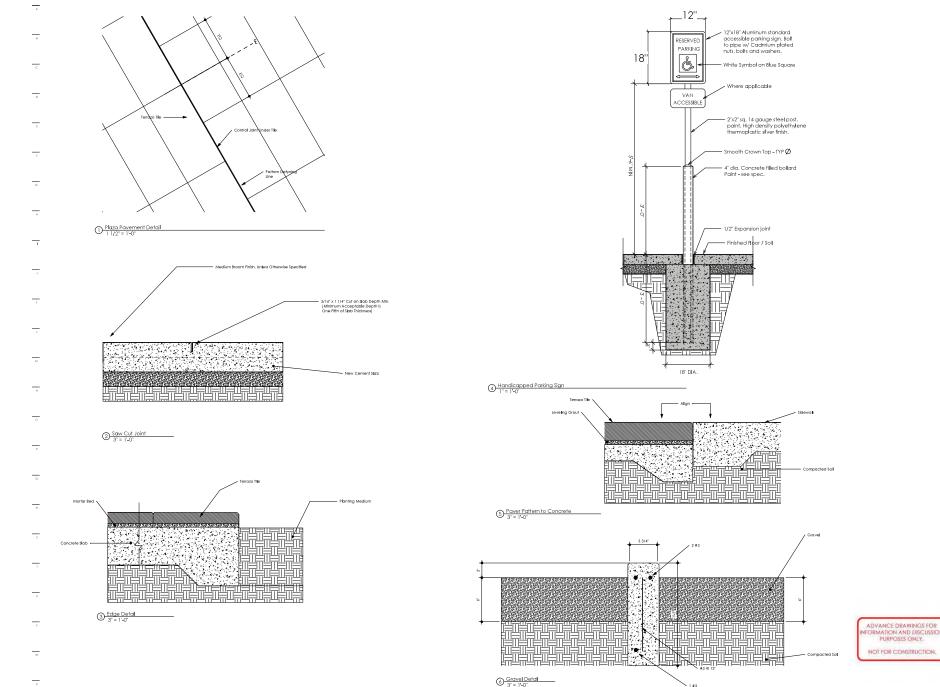








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General Hardscape Details PR-CRP-000870 Estacionamiento y Plazoleta de Actividades

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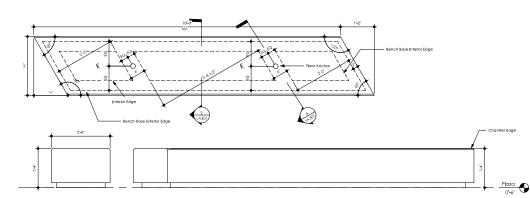
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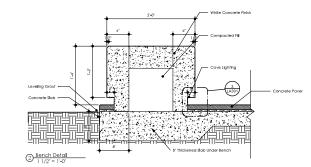
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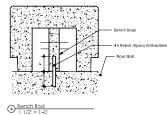
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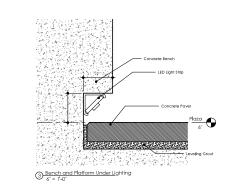
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Single Trunk Tree Detail N.T.S

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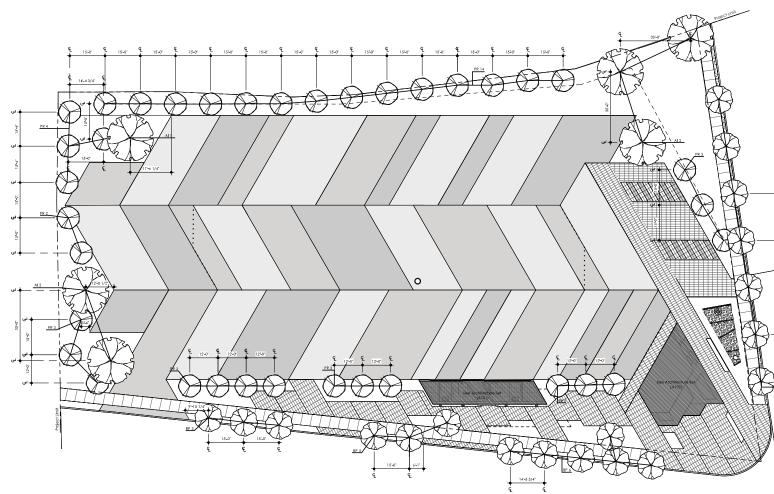
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Tree Schedule

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Botanical Common Name Name

Pimenta racemosa

Àrbol de Orquidea

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Tree Symbol

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Tree Total:

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3 Multi-Stem Tree Detail

V2" BLACK RIDDER HOSE



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General Notes

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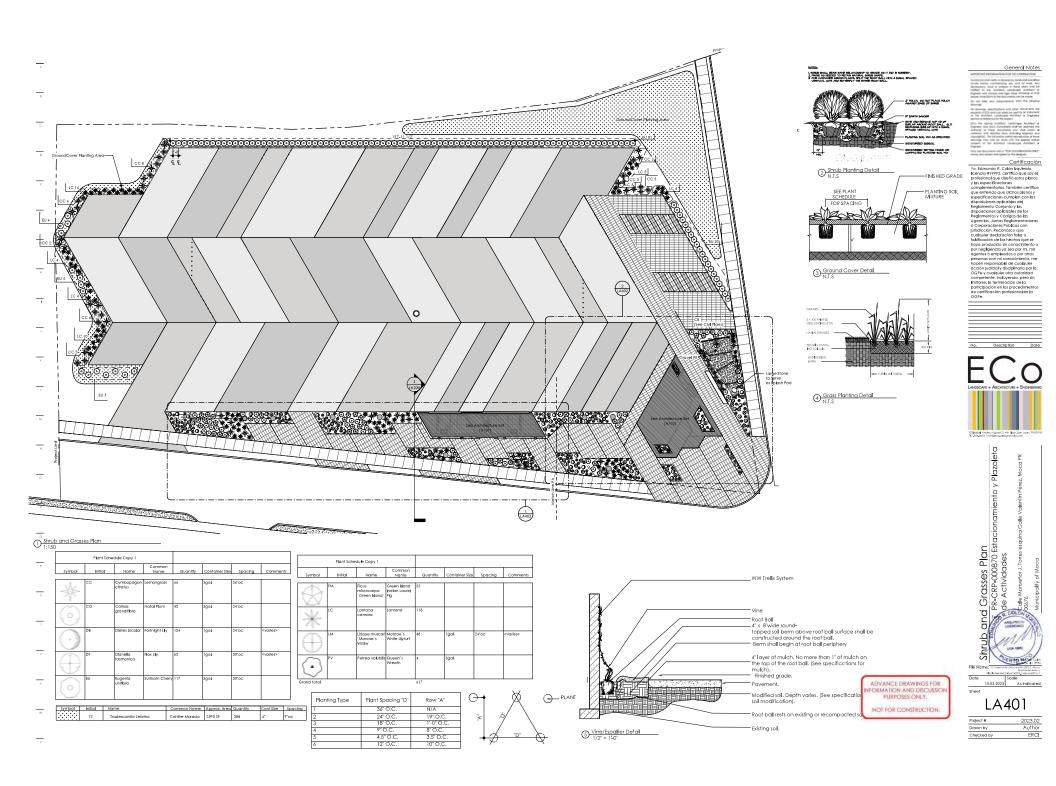
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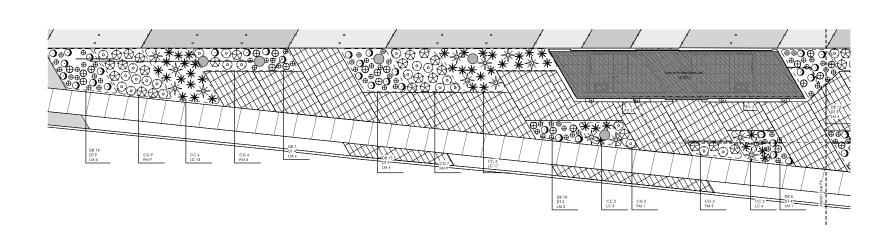
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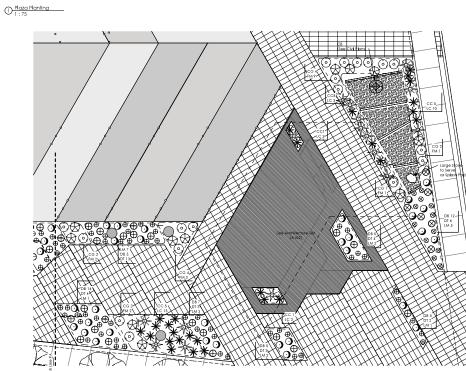
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Symbol	Initia	Name	Common Name	Quantity	Container Size	Spacing	Commen
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Ò	cG	Carissa grandiflora	Natal Plum	42	3gal.	24°oc	
$\overline{\bigcirc}$	DB	Dietes bicolor	Fortnight Lity	124	1gal.	24'oc	<varies></varies>
$\oplus$	DT	Dianella tasmanica	Flax Uly	63	1gal.	30'oc	<varies></varies>
0	EU	Eugenia uniflora	Surinam Cherry	117	3gal.	30'ec	
$\otimes$	FM	Rcus microcarpa `Green Island`	Green Island Indian Laurel Fig	35			
*	LC	Lantana camara	Lantana	118			
$\oplus$	LM	Lirlope muscari `Monroe`s White`	Monroe's White Lilyturf	48	1gal.	24°0C	<varies></varies>
$\odot$	PV	Petrea volubilis	Queen's Wreath	4	3gal.		

Symbol	Initial	Name	Common Name	Approx. Area	Quantity	Cont Size	Spacing
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Calle 00676

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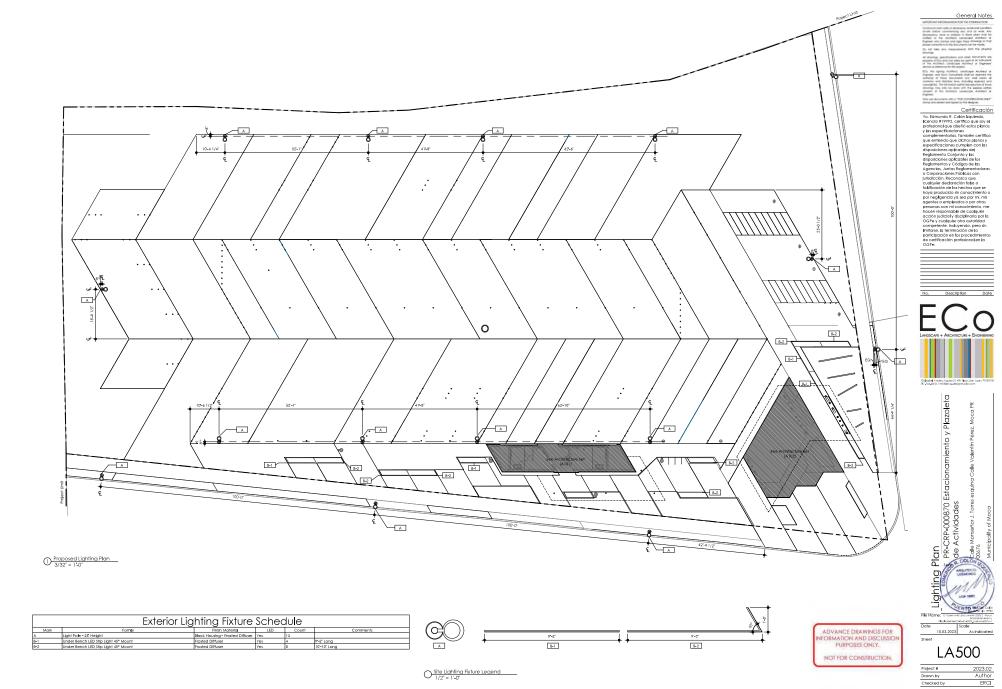
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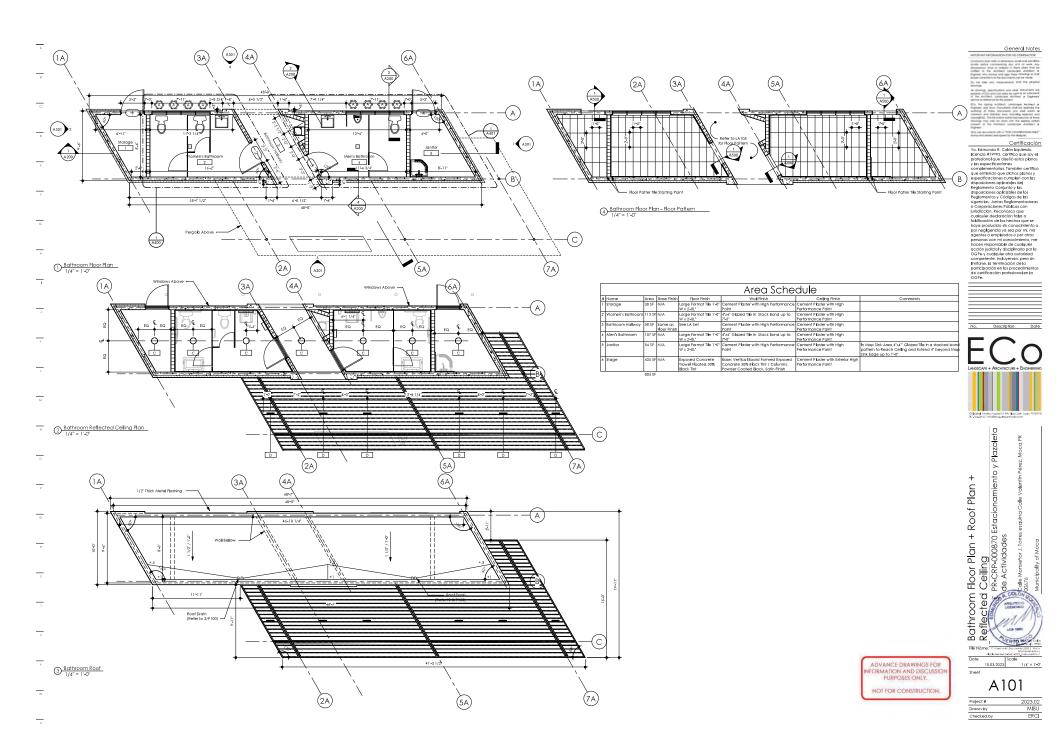
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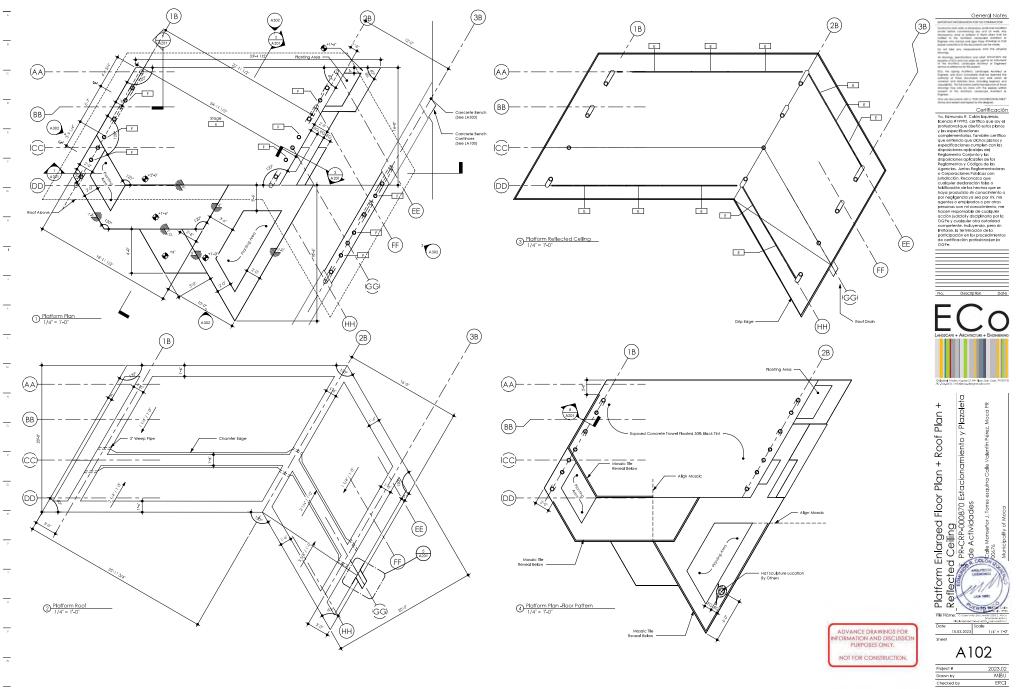
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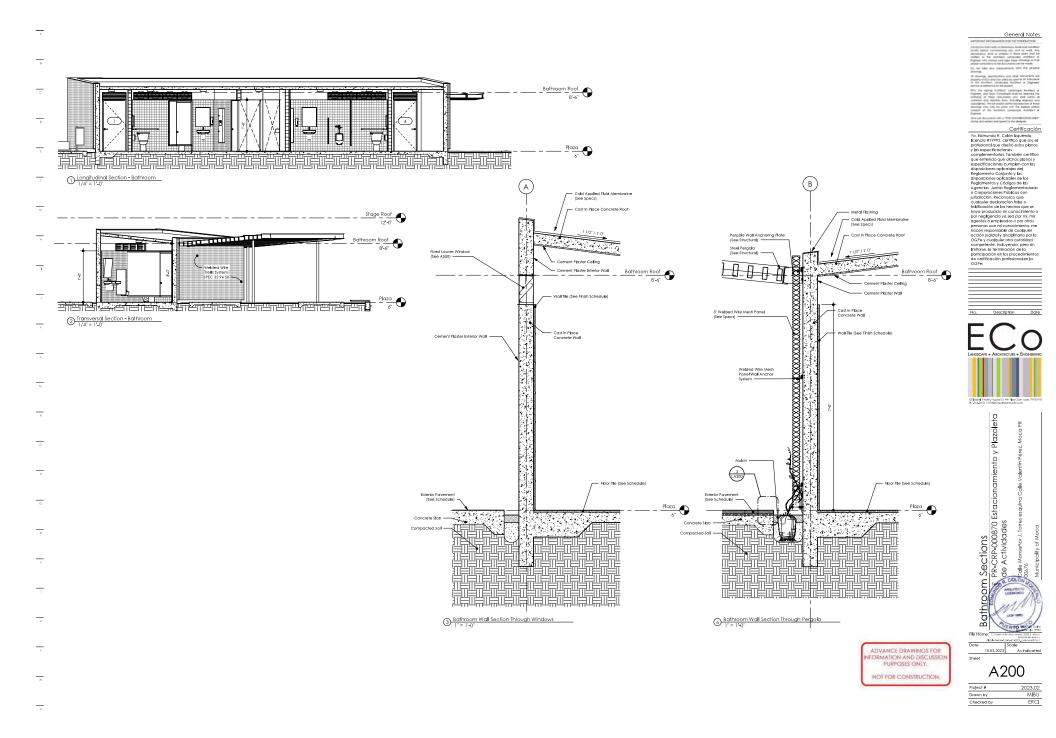
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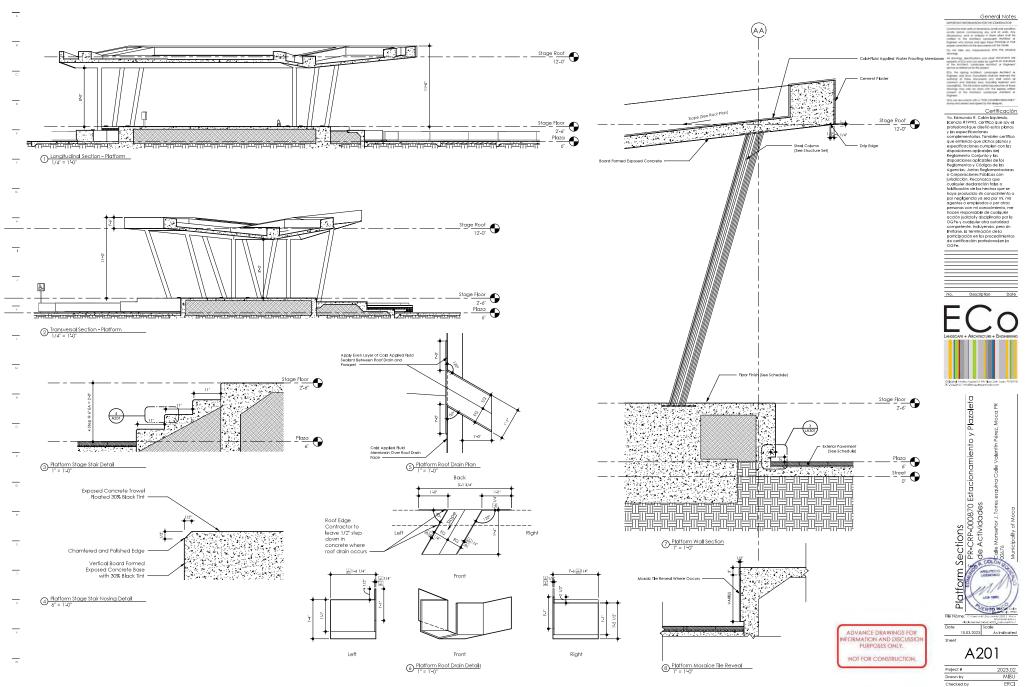


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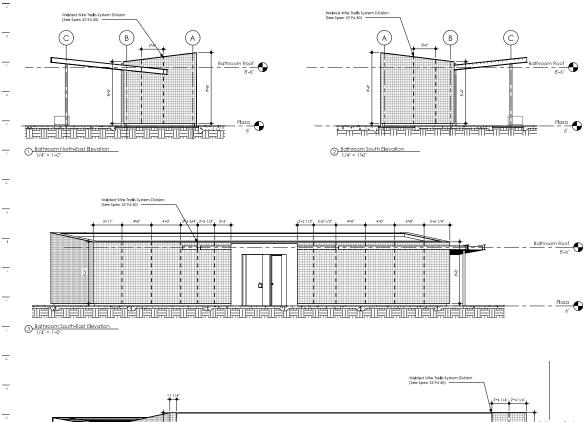


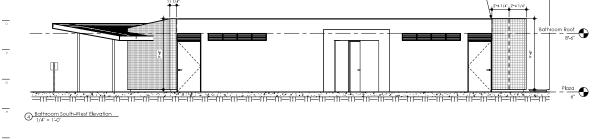


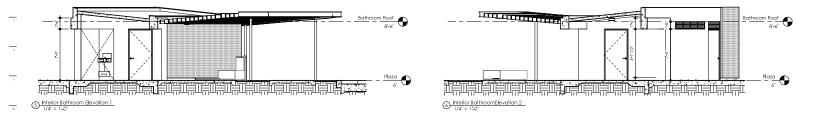




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General Notes





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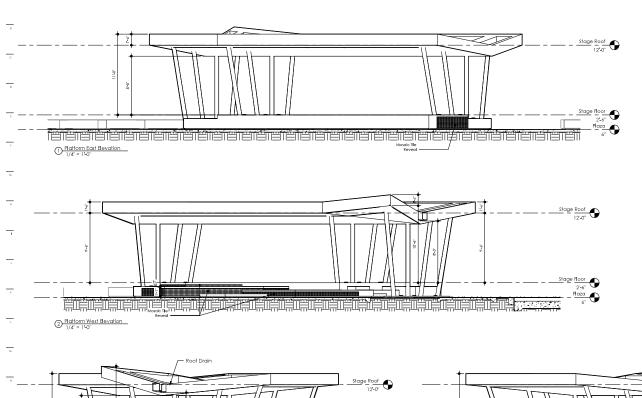
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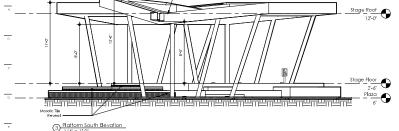
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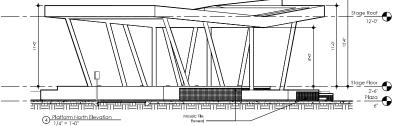
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3 Platform South Elevation





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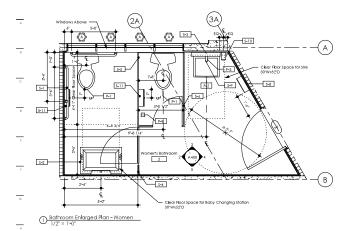
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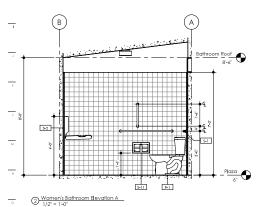


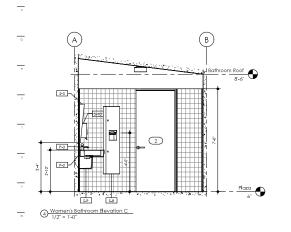


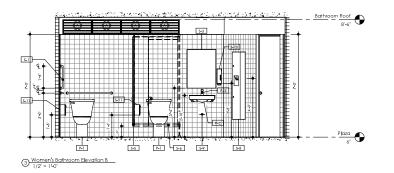
	Plumbing Fixture Schedule								
Type Mark	Family	Finish Material	ADA	Count	Comments				
	Bash_Catch_Iurn-I897-6			2					
P=1	Two Piece Tollet	White Vitreous China	Yes	3	Floor Discharge				
P-2	Wall Mounted Sink	White Vitreous China	Yes	2	With EverClean				
P-3	Sink Faucet	Polished Chrome	Yes	2	Metering Faucet Pillar Tap Faucet with Extended Spout				
P=4	Wall Mounted Drinking Fountain	Stainless Steel	Yes	1	Vandal Resistant - Cooler Filtered Refrigerated Stainless				
P-5	Wall Mounted Urinal	White Vitreous China	Yes	1	Top Spud with EverClean				
P-6	Urinal Flush Valve	Polished Chrome	Yes	1	Manual Operated				
P-7	Service Sink Floor Mounted	White Enameled Cast Iron	No	1	Corner Model				
P-8	Wall Mounted Service Sink Fauce	Polished Chrome	Yes	1	Top Brace - VandaHesistant - 3/4" Hose End				
P-9	Floor Drain-2D	Stainless Steel		2	Square Roor Drain				

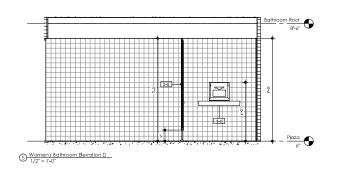
# Specialty Equipment Schedule

Type Mark	Family	Finish Material	ADA	Count	Comments
5-1	Grab Bars	Satin-finish. slip-resistant	Yes		<ol> <li>18" Vertical Grab Bar. (1) Horizontal 36" Horizontal Grab Bar. (1) 42" Horizontal Grab Bar.</li> </ol>
S-2	Wall Mounted Baby Changing Station	Stainless Steel Veneer	Yes	2	
S3	Wall Mounted Mirror	Stainless Steel	Yes	2	24"W x 36"H Tilt Mirror
S-4	Tollet Cubicle Extension Panel	Stainless Steel	Yes	2	
S5	ADA Toilet Cubicle with Door Panel	Stainless Steel	Yes	2	
S6	Tollet Cubible	Stainless Steel	No	1	
\$ <del>.</del> 7	Urinal Screen	Stainless Steel	No	1	
S-8	Wall Mounted Paper Towel Dispenser with Waste Receptacie	Stainless Steel	Yes	2	
S-9	Wall Mounted Water Supply and Sink Drain Cover	White Vitreous China	Yes	2	
5=10	Wall Mounted Scap Dispenser	Stainless Steel	Yes	2	
S-11	Surface Mounted Tollet Tissue Dispenser	Stainless Steel	Yes	3	









	Women's E Elevations
	File Name:
ADVANCE DRAWINGS FOR	Date 10
INFORMATION AND DISCUSSION PURPOSES ONLY.	Sheet

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## General Notes

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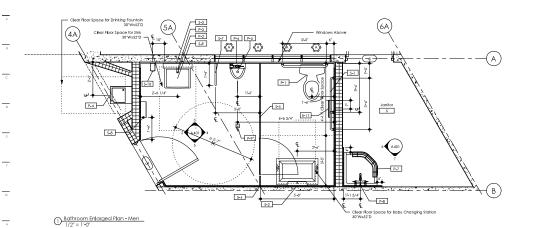
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PR-CRP-000870 Estacionamiento y Plazoleta Ж. Plan . Bathroom Enlarged Floor Calle J. Torre:

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1/2" = 1'-0"

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Bathroom Roof 8'-6"

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Men's Bathroom Elevation A

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	Plumbing Fixture Schedule							
Type Mark	Family	Finish Material	ADA	Count	Comments			
	Basin_Catch_Zurn-Z897-6			2				
P-1	Two Plece Tolle!	White Vitreous China	Yes	3	Floor Discharge			
P-2	Wall Mounted Sink	White Vitreous China	Yes	2	With EverClean			
P-3	Sink Faucet	Polished Chrome	Yes	2	Metering Faucet Pillar Tap Faucet with Extended Spout			
P=4	Wall Mounted Drinking Fountain	Stainless Steel	Yes	1	Vandal Resistant - Cooler Filtered Refrigerated Stainless			
P-5	Wall Mounted Urinal	White Vitreous China	Yes	1	Top Spud with EverClean			
P-6	Urinal Flush Valve	Polished Chrome	Yes	1	Manual Operated			
P-7	Service Sink Boor Mounted	White Enameled Cast Iron	No	1	Corner Model			
P-8	Wall Mounted Service Sink Fauce	Polished Chrome	Yes	1	Top Brace - Vanda resistant - 3/4" Hose End			
P-9	Floor Drain-2D	Stainless Steel		2	Square Hoor Drain			

### Specialty Equipment Schedule Comments (1) 18" Vertical Grab Bar, (1) Horizontal 36" Horizontal Grab Bar, (1) 42" Horizontal Grab Bar, Finish Material ADA Count Type Mark Family Grab Bars Yes slip-resistant Wall Mounted Baby Changing Station Stainless Steel Veneer Yes Stainless Steel Yes 24"W x 36"H Tilt Mirror Wall Mounted Mirror Toilet Cubicle Extension Panel ADA Toilet Cubicle with Door Panel Stainless Steel Stainless Steel Yes Stainless Steel Stainless Steel Stainless Steel White Vitreous C Tollet Cubible Urinal Screen No Unital screen Wall Mounted Paper Towel Dispenser with Waste Recept Wall Mounted Water Supply and Sink Drain Cover Wall Mounted Soap Dispenser Surface Mounted Toilet Tissue Dispenser Yes tainless Steel

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Bathroom Roof 8'-6"

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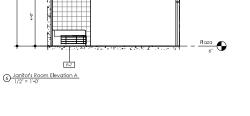


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Bathroom Roof

8'-6"

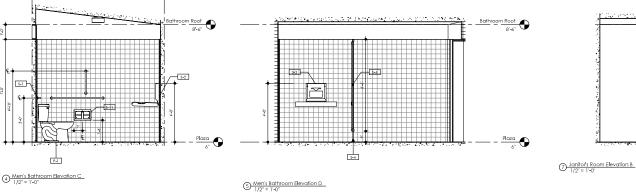
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Bathroom Roof 8'-6"



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3 Men's Bathroom Elevation B

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P-5 5-5

General Notes

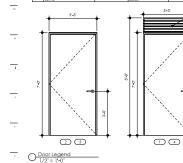
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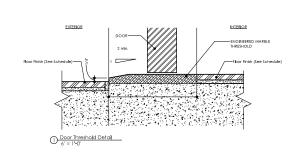


Window Legend 1/2' = 1'-0'

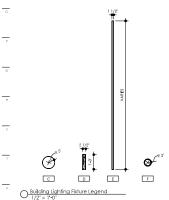
		Door Schedule										
t			Construction			pening		por			Hardware	
	Mark	Family	Type	Finish Material	Height	Width	Height	Width	Function	Hardware Type	Finish	Comments
	1	Door-Single-Flush-With-Tran some	Steel	Powder Coated Mat Black	8'-0'	3-3.	6-10 1/2	30.		Ext. Hinge - 3 Securty Hinges - Exterior Lockset - Lever Handle with Securty Lockset and Deadbolt	Satin Chrome	
	2	Door-Single-Flush	Steel	Powder Coated Mat Black	7'-0'	3-3"	6-10 1/2	3,-0.		Ext. Hinge - 3 Securty Hinges - Exterior Lockset - Lever Handle with Securty Lockset and Deadbolt	Satin Chrome	
	3	Door-Single-Flush	2166	Powder Coated Mat Black	7'-0'	3-3.	6-10 1/2"	30.		Ext. Hinge - 3 Securty Hinges - Exterior Lockset - Lever Handle with Securty Lockset and Deadbalt	Satin Chrome	
		Door-Single-Flush-With-Tran some	Steel	Powder Coated Mat Black	8'-0'	313.	6-10 1/2"	30.	Exterior	Ext. Hinge - 3 Securty Hinges - Exterior Lockset - Lever Handle with Securty Lockset and Deadbolt	Satin Chrome	

- Fixed Louver Transom





AV.	Building Lighting Fixture Schedule					
	Mark.	Family	Finish Material	LED	Count	Comments
	с	Celling Light - Flat Round	Black Housing - Frosted Diffuser	Yes	7	
	D	Pergola Light - Linear	Black Housing - Frosted Diffuser	Yes	6	Exterior Rated
N	E	Celling Light - Embeded	Black Housing - Frosted Diffuser	Yes	11	Exterior Rated
	F	Uplight - Round	Black Housing - Frosted Diffuser	Yes	9	Inground Lighting
	н	Under Bench LED Stip Light 45° Mount	Frosted Diffuser	Yes	1	10-10' Long



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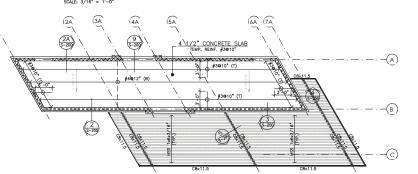
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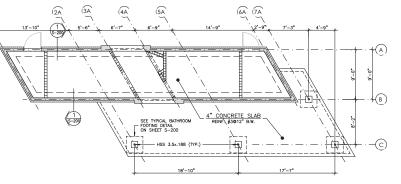
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	josé espinal-vázquez y asoc.,CSP civil and structural engineers Jose M. Espinal Vazquez,BSCE,PE Lic.4513
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ABBRIVIA	TIONS:
в.	BOTTOM REINFORCEMENT
B.F.E.	BOTTOM FOOTING ELEVA
BP-1	BASE PLATE NUMBER
B/W	BLOCK WALL
B.W.	BOTH WAY
C.J.	CONSTRUCTION JOINT
CL.	CLEAR
CONT.	CONTINUOUS
C/W	CONCRETE WALL
C.S.C.J.	CONTROL SAW CUT JOIN
E.B.P.	ELASTOMERIC BEARING F
E.F.	EACH FACE
E.J.	EXPANSION JOINT
F-1	FOOTING NUMBER
F.F.E.	FINISH FLOOR ELEVATION
P-1	PIER NUMBER
PC-1	PILE CAP
P.E.M.	PREMOULDED EXPANSION METRIAL
P.V.B.	POLYETHYLENE VAPOR BARRIER
S.O.F.	STEP ON FOOTING
т.	TOP REINFORCEMENT
T=4*	SLAB THICKNESS
(TYP.)	TYPICAL
(TEMP.)	TEMPERATURE REINFORCEMENT
T.O.P.C.	TOP OF PILE CAP
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
W/C	WATER/CEMENT RATIO



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		CONCRETE WALL OR COLUMN (ABOVE ONLY)
	0111111110	CONCRETE BLOCK WALL
	5555222255	CONC. WALL OR COLUMN BELOW
	000000000000000000000000000000000000000	CONCRETE PRECAST PANEL
	00000000000	CONCRETE WALL OR COLUMN (ABOVE & BELOW)
	77777777	EXISTING WALL OR COLUMN
	<u> </u>	LENGTH OF REBAR FROM FACE OF SUPPORT
	5'-0"	VERTICAL STEP

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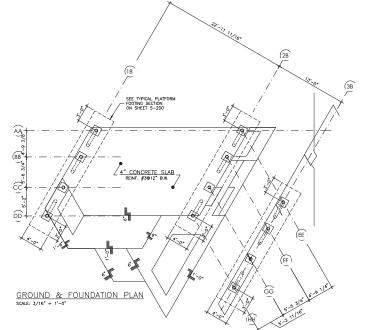
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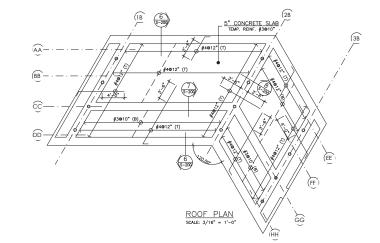
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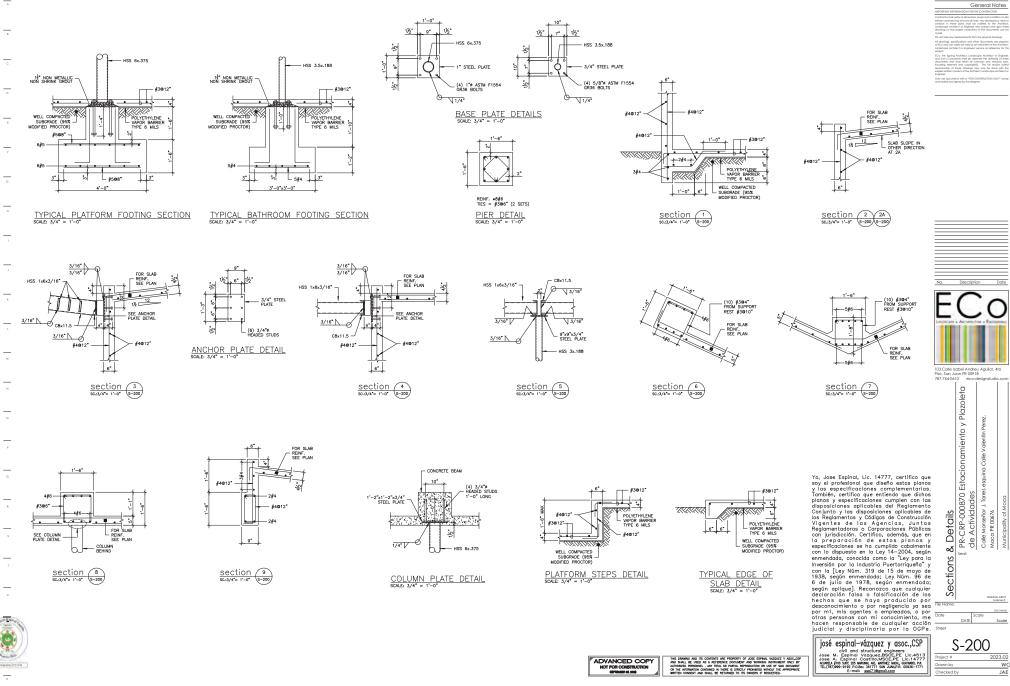


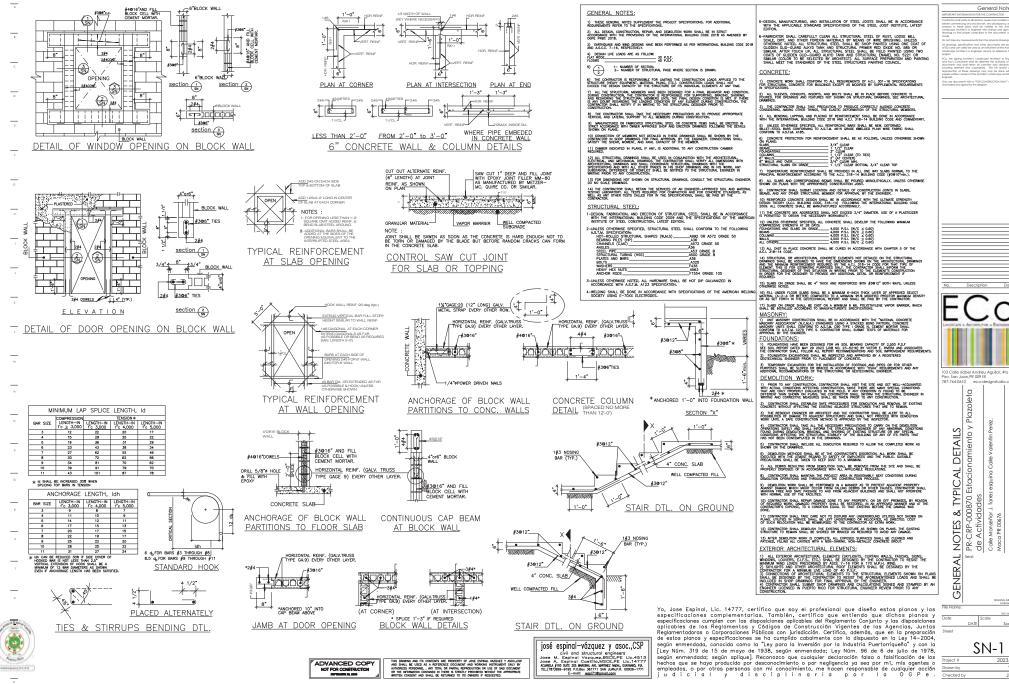












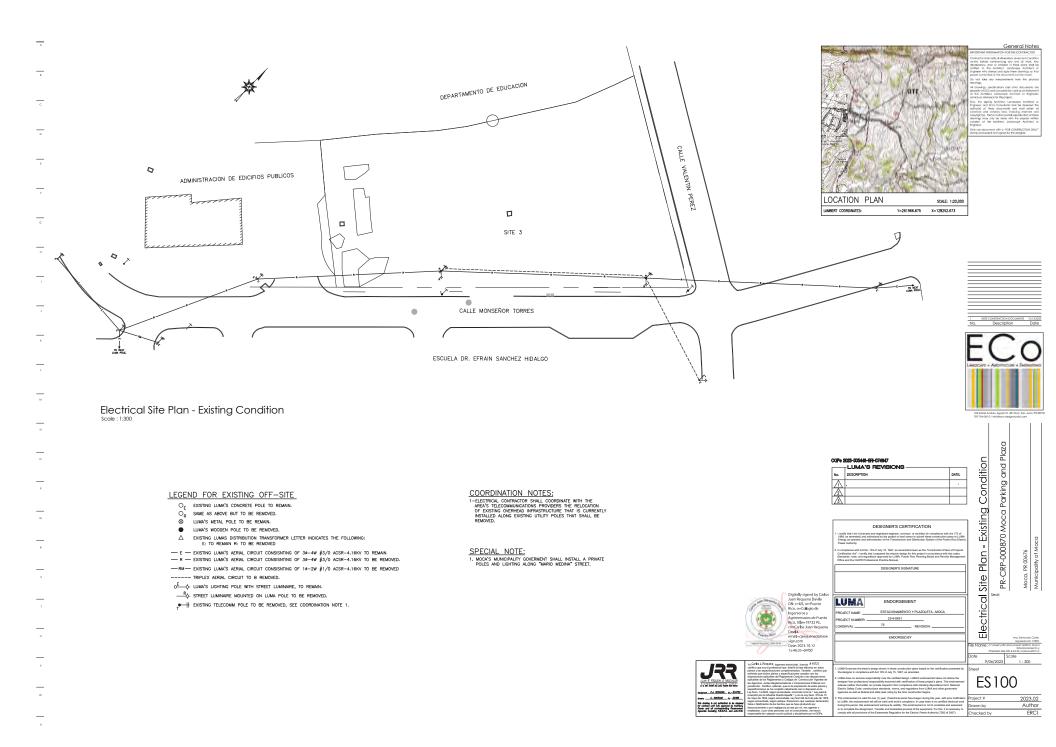
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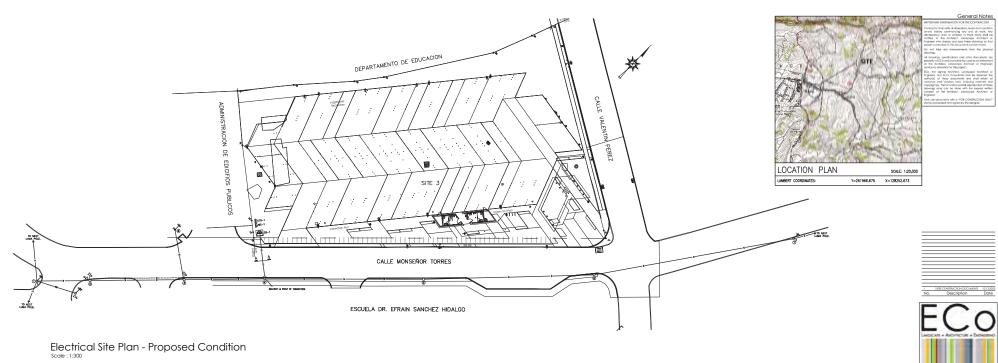
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General Note





# POLE SCHEDULE:

NO.	TYPE	LUMA STANDARD
1	EXISTING	EXISTING TO REMAIN.
2	50FT. H6	M16-3,4, M2-1, CP-C1
3	50FT. H6	M16-3,4, M2-1, (2)CP-C5, CP-10
٩	50FT. H6	M16-3,4, M2-1, CP-C1, URD-3A,4,5
5	50FT. H6	M16-3,4, M2-1, CP-C1
6	50FT. H6	M16-3,4, M2-1, (2)CP-C5, K-5
Ø	EXISTING	ADD (2)CP-C5
۲	EXISTING	EXISTING TO REMAIN.

# FINISHED GROUND WELL COMPACTED EARTH - PVC WARNING RIBBON 4" PVC SCHEDULE 40 WELL COMPACTED SAND CONDUIT SPACER EVEN 3-1/C #2 AWG, TRXLP-90" SHEL JACKET AND 1#0 GROUND CONDUC 4" PVC SCHED. SECTION A-A

LEGEND:			2023-505448-5R-074847 LUMA'S REVISIONS		ondition	ng and Plaza	
INEW UTILITY POLE, SEE POLE SCHEDULE.     INEW UTILITY POLE, SEE POLE SCHEDULE.     INEW ULWA'S ARRUL CIRCUIT CONSISTING OF 38-4W-#5/0 ACSR-4.16     INEW UNBEDRONICON SERVICE DATABACK TEEDER 3-1/2 #2 with TERUS     SCH VIELTRAL COROLITOR IN 47-0. PK SCHEDULE 4/4 × 1-47-0. PK     SCH VIELTRAL COROLITOR IN 47-0. PK SCHEDULE 4/4 × 1-47-0. PK     SCH VIELTRAL COROLITOR IN 47-0. PK SCHEDULE 4/4 × 1-47-0. PK     SCH VIELTRAL COROLITOR IN 47-0. PK SCHEDULE 4/4 × 1-47-0. PK     SCH VIELTRAL COROLITOR IN 47-0. PK SCHEDULE 4/4 × 1-47-0. PK     SCH VIELTRAL COROLITOR IN 47-0. PK SCHEDULE 4/4 × 1-47-0. PK     SCH VIELTRAL COROLITOR IN 47-0. PK SCHEDULE 4/4 × 1-47-0. PK     SCH VIELTRAL COROLITOR IN 47-0. PK SCHEDULE 4/4 × 1-47-0. PK     SCH VIELTRAL COROLITOR IN 47-0. PK SCHEDULE 4/4 × 1-47-0. PK     SCH VIELTRAL COROLITOR IN 47-0. PK SCHEDULE 4/4 × 1-47-0. PK     SCH VIELTRAL COROLITOR IN 47-0. PK SCHEDULE 4/4 × 1-47-0. PK     SCH VIELTRAL VIELTRAL LUMA APPROVED TYPE.     POLE TYPE DISTRIBUTION TRANSFORGER ZSHA, 4.16KV TO 120/24/0/-     LOW LOSSE COMACTERISCE, SCORONNER XM VIELTRAL VIELTRAL		1 cartily 1 1 cartily 1 1 cartily 1 1 cartily 2 2 cartily 1 1 cartily 1 cartily	DESIGNERS CERTIFICATION Mail Instance of register appear, example, or antibility to maylence with Mail To annotation per activity on the spectra of the start activity of the start and the spectra of the start activity of	LUMA Electric sjects	Plan - Proposed C	CRP-000870 Moca Parking	
SPECIAL NOTES: 	Dit c-US, stellwarto Rico, o-cclogia de Ingenieros y Agrimensores de Puerto Rico, ottile=19722 PC, cm:Carlos Juan Requena David, email=cjireguenadobioes	ROJEC	ENDORSEMENT EITADORUMENTY PLAQUETA. MODA EITADORUMENTY PLAQUETA. MODA VI) 75 REVIEW EISEORED BY		Electrical Site	Seal:	Eto: -42423_m cale
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4-THE INSTALLATION OF ELECTRICAL SUBSTATIONS, TRANSFORMERS OR ANY OTHER ELECTRICAL EQUIPMENT OVER SEWER SYSTEM, WATER LINES OR ANY OTHER UTILITIES IS PROHIBITED. 5-PRIOR TO PURCHASING ANY WETERING EQUIPMENT, ELECTRICAL CONTRACTOR SHALL COORDINATE WITH LUMA'S METERING SECTION THE AVAILABILITY OF EQUIPMENTS TO BE SUPPLIED BY LUMA.

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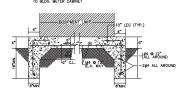
DESIGNER OR ELECTRICAL CONTRACTOR H TO BE USED AND EQUIPMENT LOCATION.

6-IF THS PROJECT REQUESES LUMA'S BULK POWER RATE CONTRACT, MICH IS REQUERED TO BE SCHED PROR TO DERINGANO THE PROJECT. THE LOCATION, EQUIPARIENT NO METER THRE TO BE USED SHALL BE COMPONING WITH "DICAN INFECULARINGES ON EL COMBINO DE DERINA LECTRICA-INDICON". SUPENISOR AT SIN JUNI RECONIL OFFICE.

- 3-THE INSTALLATION OF THE METERING SYSTEMS HAS TO BE COORDINATED WITH THE REGIONAL METERING OFFICE DESIGNER OR ELECTRICAL CONTRACTOR HAS TO CONSULT WITH THIS OFFICE ABOUT MATERIALS & EQUIPMENTS
- 2-LUNA WILL NOT ENERGIZE THE PROJECT UNTIL THE OWNER HAS ESTABLISHED THE REQUIRED RIGHT OF WAYS IN ACCROMANCE WITH "REGUMENTIO DE SERVIDUMERES PARA LA AUTORIDAD DE DHERORA ELECTRICA". THIS NOTE APPLIEST DALL RECOURDED RORTI OF WAY, INSIDE & OUTBOE THE PROPERTY LIMITS.
- 1-PROJECT OWNER SHALL PAY LUMA THE AMOUNT OF \$825.00 FOR THE EXISTING ELECTRICAL SYSTEM
- SPECIAL NOTES:
- 6-Contractor is responsible for properly marking all transformers to be transferred to luma with a property number provided by the corresponding distribution engineering department.
- 5-FOR OVERHEAD SYSTEMS, USE 15KV POLYMER INSULATORS FOR DISTRIBUTION VOLTAGES AND 46KV POLYMER INSULATORS FOR 38KV VOLTAGE.
- 3-ALL MATERIAL & EQUIPMENT (INCLUDING TRANSFORMERS & SUBSTATION ENCLOSURES) TO BE INSTALLED WITHIN ONE (1) MILE OR LESS OF SALTMATER BODIES MUST BE CONSTRUCTED IN STAINLESS STEEL 4-FOR UNDERGROUND SYSTEMS, USE PRIMARY CABLES WITH 15KV STRESS CONE FOR DISTRIBUTION VOLTAGES AND 46KV STRESS CONE FOR 38KV VOLTAGE.
- 2-CONTRACTOR IS RESPONSIBLE TO VERIFY WITH LUMA, PRIOR TO INSTALLATION, THAT ALL MATERIAL OR EQUIPMENT TO BE USED IS LUMA APPROVED, LUMA RESERVES THE RIGHT OF ACCEPTING ANY EQUIPMENT TO BE TRANSFERMENT OT THEM.
- MATERIALS: -ALL EQUIPMENT TO BE USED IN THE CONSTRUCTION HAS TO COMPLY WITH IEEE, ANSI, NEMA & ASTM
- 12-CONCRETE POLE BASES MUST BE INSPECTED BY LUMA AT THE CONSTRUCTION PHASE.
- 11-TWO SPARE CONDUITS FOR FUTURE USE MUST BE INSTALLED AT EACH CONCRETE POLE BASE AS REQUIRED BY LUMA.
- 9-CONTRACTOR MUST PROVIDE PULLING WIRE (FISHWIRE) AT EACH SPARE CONDUIT. 10-MAXIMUM GROUND RESISTANCE AT ALL DISTRIBUTION SYSTEMS MUST BE 10 OHMS. A GROUNDING ROD FOR INSUTRAL CONNECTION MUST BE INSTALLED FOR EVERY FOUR POLES OR EVERY 1,000 FEET AND IN ALL TRANSFORMERS.
- 8-GROUNDING CONNECTORS TO BE USED FOR SUBSTATIONS MUST BE THERMO-WELD OR COMPRESSION TYPE.
- 7-THE QUANTITY OF SPARE FUSES THAT CONTRACTOR MUST SUPPLY IS THE SAME QUANTITY AS FUSES INSTALLED AT EACH SUBSTATION.
- 6-ALL DUCT BANK EXPOSED TO VEHICULAR TRAFFIC MUST BE PROTECTED WITH A CONCRETE ENVELOPE. THOSE THAT ARE NEAR OTHER UTILITIES INSTALLATIONS MUST BE 18" MINIMUM SPACING FROM THEM.
- 5-UNDERGROUND CONDUIT DUCT BANK MUST BE INSPECTED BY LUMA BEFORE IT IS COVERED AND COMPACTED WITH EARTH.
- 4-WHEN PROJECT LOCATION IS LESS THAN A MILE FROM SALTWATER BODIES, POLE RISER CONDUITS MUST BE EITHER PVC SCHEDULE 80 OR FIBERGLASS CONSTRUCTION AS APPROVED BY LUMA
- SPECIFIED CABLE MAXIMUM PULLING TENSION. 3-MANHOLE COVERS TO BE INSTALLED AT GREEN PLANTING AREAS MUST BE PROTECTED USING A REINFORCED CONCRETE SLAB AS PER LUMA'S STANDARD URD-52.
- DEPARTMENT'S INSPECTIONS OFFICE REPRESENTATIVE. 2-DURING CABLE INSTALLATION, CABLE MUST BE PROTECTED FROM HUMDITY AND DAMAGES. CONTRACTOR IS RESPONSIBLE FOR INSTALLING CABLES USING RECOMMENDED PULLING TECHNIQUES IN ORDER NOT TO EXCEED
- THIS OWNERS/CONTRACTOR RESPONSIBILITY TO PERFORM CABLE TESTS TO ALL PRIMARY AND SECONDARY FEEDERS AND STRESS CONES, TESTS RESULTS MUST BE IN ACCORDANCE WITH LUMA'S ESTABLISHED PARAMETERS FOR EACH TEST. TEST MUST BE PERFORMED IN CORDONATION WITH LUMA'S ENDINEERING
- SYSTEMS:
- 10-LUMA WILL NOT APPROVE ANY CONNECTION OF PROJECTS THAT ARE INVADING RIGHT OF WAYS OR THAT DO NOT COMPLY WITH THE REQUIRED SECURITY SET BACKS.
- 9-PERFORMING ANY KIND OF WORK ON ELECTRICAL RIGHT OF WAY WITHOUT LUWA'S WRITTEN AUTHORIZATION IS STRICTLY PROHIBITED.
- 8-ALL WORK ON ENERGIZED LINES, INCLUDING THE PROJECT FINAL CONNECTION, MUST BE DONE BY LUMA AND THE OWNER MUST ASSIME ALL THE EQUIPMENT, MATERIAL & LADOR COST. OWNER (VA PROJECT'S CONTRACTOR MUST REQUEST TO LUMA A JOB CUOTE. THE QUIPE IS VALID FOR JOINTHS.
- 7-ELECTRICAL CONTRACTOR AND PRIVATE INSPECTOR ARE RESPONSIBLE TO SCHEDULE, ASSIST. & COORDINATE WITH LUMA'S CORRESPONDING REGION DISTRIBUTION ENGINEERING DEPARTMENT A PRE-CONSTRUCTION WEETING.
- 6-ELECTRICAL CONTRACTOR SHALL NOTIFY LUMA OF THE START OF CONSTRUCTION AT LEAST 15 DAYS BEFORE PROJECT START, CONTRACTOR SHALL DO SO BY FILING LUMA'S CONSTRUCTIONS START DOCUMENT.
- 5-CONTRACTOR IS NOT AUTHORIZED TO MAKE CHANGES TO THIS DESIGN. CONTRACTOR IS RESPONSIBLE FOR CONJULTING THE DESIGNER OF PROJECT DESIGNATED INSPECTOR REGARDING MAY DOJET M PLANS, INTERPRETATION, NORK DECUTION, TECHNICAL SPECIFICATION, EXISTING FIELD CONDITION, DESIGN ORTERIA OR DISDREPARCES THAT LIAN LATPER.
- 4-ELECTRICAL CONTRACTOR SHALL PERFORM THIS WORK, AS DESIGNED ON THESE DRAWINGS. CONTRACTOR MUST OBSERVE THE BEST ELECTRON. CONSTRUCTION INDUSTRY PRACTICES. INSTALLATION SHALL BE IN ACCORDANCE WITH LUNKS'& CONCERNING AGENCIES ADOPTED RIALES & REGULATIONS, NEC, NESS CODES, EEE, NFPA, NEW& A KINS ADOPTED STANDARDS.
- 3-OWNER MUST CONTRACT THE SERVICES OF A PLERTO RCO LICENSED ENGINEER INFO WILL BE RESPONSELE OF INSPECTING THE WORK IN ACCORDANCE WITH NUMBER 7 CERTIFICATION LAW JULY 19, 1985, AS ANNENGED, AND WILL ENFORCE LUNA'S ELECTRICAL CONSTRUCTION PROJECT PLANS CERTIFICATION REQUATION OWNER WIST NOTY LUNA, THE PRIVATE INSPECTOR ESCINATION REFORE FRANCET GEONS.
- 2-OWNER IS RESPONSIBLE OF OBTAINING ALL FEDERAL, STATE, MUNICIPAL & PRIVATE REQUIRED PERMITS & RIGHT OF WAYS CONCERNING THIS TYPE OF PROJECT.
- GENERAL NOTES: 1-THESE PLANS COINCIDE WITH THE PLANS SUBMITTED AT "O.G.P.E."
- ELECTRICAL CONSTRUCTION PLAN NOTES

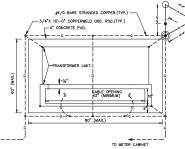
IMPORTANT NOTES: 1-CONCRETE BASE ASSEMBLY IS FOR REFERENCE ONLY, IT SHALL BE REVISED AND CERTIFIED BY A STRUCTURAL ENGINEER AT ELECTRICAL CONTRACTOR EXPENSES ACCORDING TO EQUIPMENT SPECIFICATIONS AND SOLL CONDITIONS PHORY TO CONSTRUCTION. 2-CONCRETE BASE ABOVE FINAL GRADE SHALL BE PROVIDE WITH ½" MIN. OF CEMENT PLASTER AND PAINTED ACCORDING TO ARCHITECT REQUIREMENTS.

EQUIPMENT CONCRETE PAD STRUCTURAL DETAIL



TO BLDG. METER CABINET

PAD MOUNTED TRANSFORMER GRD. DETAIL



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ONE LINE DIAGRAM

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5/8"X8'-0" COPPERWELD ROD & CLAMP.

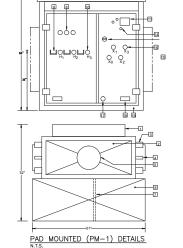
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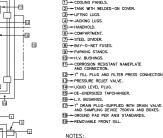


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1. MINIMUM DIMENSIONS SHOWN ARE BASED ON GE MODEL JAK-OC SIMILAR CT'S.

2. EQUIPMENT CONSTRUCTION MUST MEET NATIONAL ELECTRICAL CODE 4 NEMA STANDARDS.

MOUNTING HEIGHT TO CENTER OF METER MUST NOT BE MORE THAN 7'-0" OR LESS THAN 5'-6" ABOVE FINISHES FLOOR.

TWO MILES OR LESS FROM ANY SALT WATER BODIES 304 CAUGES 14 STANLESS STEEL CONSTRUCTION MUST BE USED. FOR THAN TWO MILES GAUGE 12 GALVANIZED STEEL MUST BE USED.

ANY VARIATION TO THIS STANDARD OR USED OF THE PROPOSED OTHER APPLICATION MUST BE P.R.E.P.A. APPROVED PRIOR TO EQUIPMENT PURCHASE.

LUMA

DIECT NUMBER

OGPe 2023-505448-SRI-074647

DESIGNER'S CERTIFICATION

apared the electric design for this project in accor approved by LUMA, Puerto Rico Planning Board d Dravition Mercent

ENDORSEMENT

23-4-0431

UNA Endorses the electric design shown in these construction plans he designer in compliance with Act 135 of July 15, 1967, as amended

ne (1) year. If electric



STANDARD ACCESORIES:

10- NOT USED.

ONE LINE LEGEND:

3 + + CONCRETE ENVELOPE.

1

★ MANUAL TRANSFER EQUIPMENT 400AMPS-30-3P-4W-5/NL NEMA 4X WIT-CONNECTION FACILITIES FOR PORTABLE GENERATOR, PROVIDE CAM LOCKS ENCLOSED IN HINGED DOOR PAUL LOCKABLE GENERATOR, PROVIDE CAM LOCKS EXECUTION. Gern TUSE CUT-OUT 15KW-200A FUSE HOLDER, 125KV BIL TECORDING TO LUMA STDS
ID ANA'S UTILITY POLE SERVE AS POINT OF CONNECTION, SEE DRAMING ESTOO

- METERING CABINET WITH SPACE FOR LUNA'S CI'S AND METERING DISPLAY NEMA JR STAINLESS STEEL, 250A-JP MAIN BREAKER STD. MED 1, 1A.

SERVICE ENTRANCE PRIMARY FEEDER 3-1/C #2 AWG TRXLPE, SHIELDED & PVC JACKETED, COPPER, 15KV AND 1#2 AWG RHH-2 600V IN 4°C. PVC SCHEDULE 40 & 144°C. PVC SCHED. 40 SPARE.

2 + 4" SCHEDULE 40 PVC EMPTY CONDUIT CAPPED AT BOTH ENDS.

5 → OUTDOOR TYPE PRE-FABRICATED SIJCON RUBBER STRESS CONE, 15KV, LUMA APPROVED TYPE.

T-+ 1-#1/0 AWG BARE COPPER WIRE FOR GROUNDING PURPOSES.

B→ 3/4" ×10"-0" COPPERVELD GROUND ROD(4 REQUIRED), PROVIDE GROUND ROD GROUND CLAMP EQUAL OR APPROVED EQUAL TO "HY GROUND" COMPRESSION CONNECTORS AND/OR "CAMPELL JOINTS".

COMPRESSION CONNECTIONS AND/ON COMPRELIDENTS . PAGE MONTHS TRANSFORMER LOUD FLED WIT RTS BOOCERADABLE FLID TSVM-SSYSS (RES - 1800) BELT APRIMARY TO 2000/2005-344-84 6020 WIT LOUD BEAC OL SWITCH, NOV UGHTING AND RESTER, TIC AMPRIST LOUD BEAC OL SWITCH, NOV UGHTING AND RESTER, TIC AMPRIST UMTING FUSES, DRAIN VALVE THERMAETER MARKET USIDE LEVEL GAUGE, PRESSURE PELLEF VALVE, STANLESS STELL CONSTULCTION.

4- SEALING FITTINGS, TYPE AND SIZE AS REQUIRED.

11- CONCRETE PAD FOR TRANSFORMER, SEE DETAIL.

General Notes

Plaza

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Parking .

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1/4" = 1"-0"

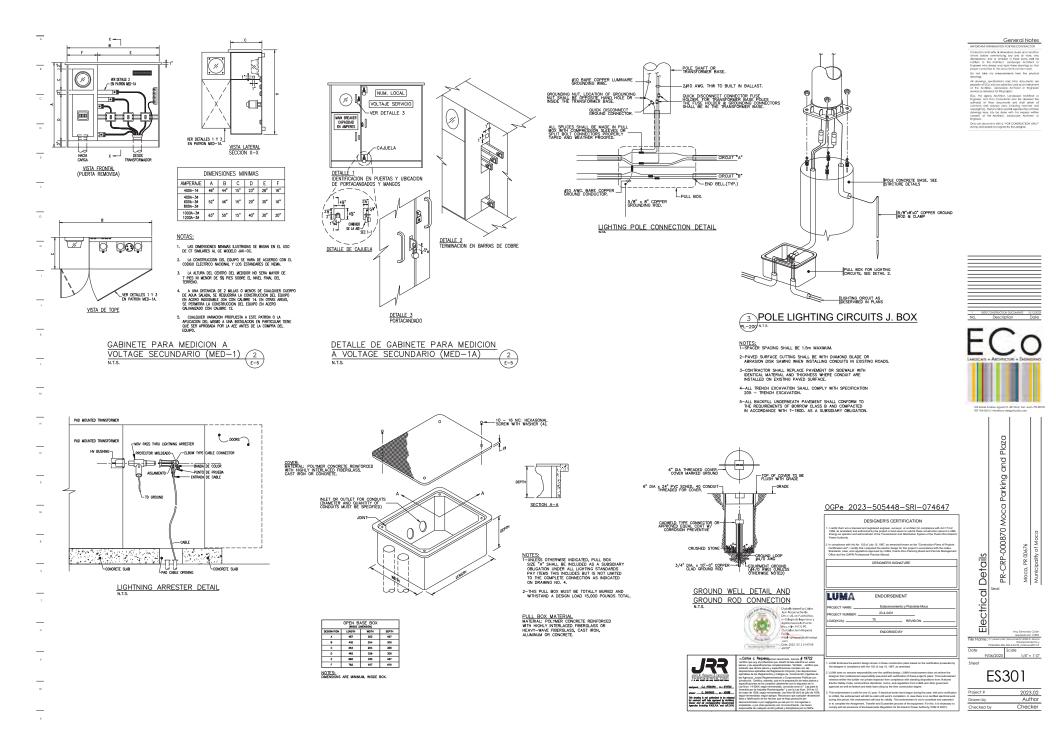
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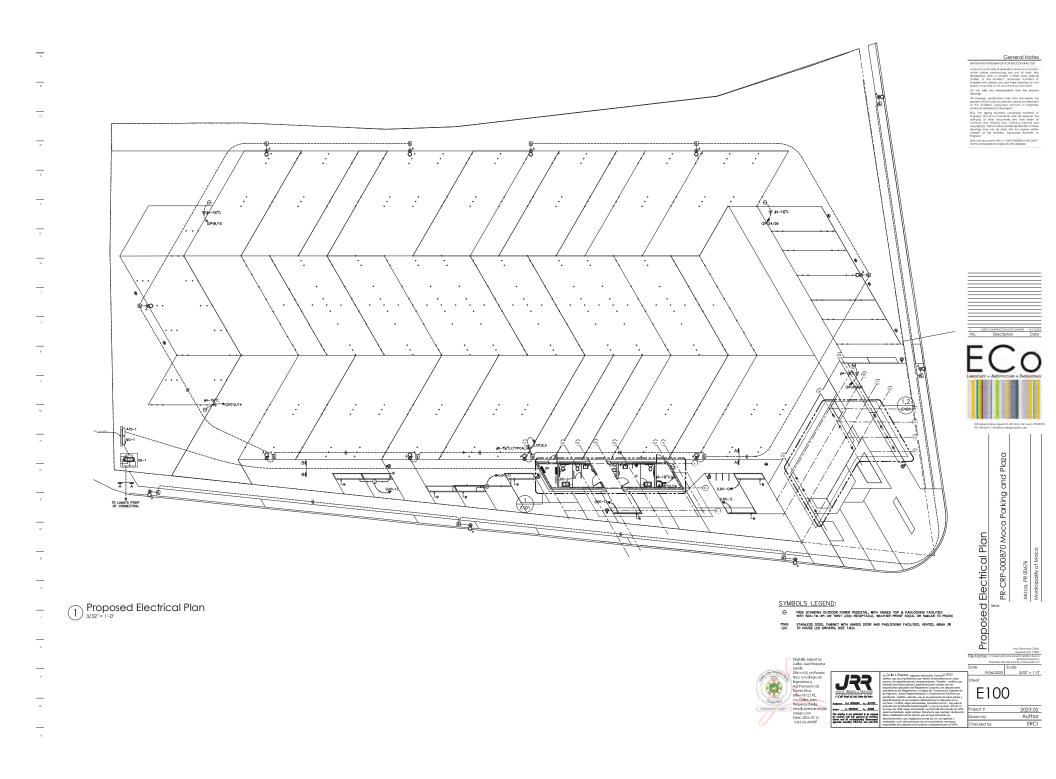
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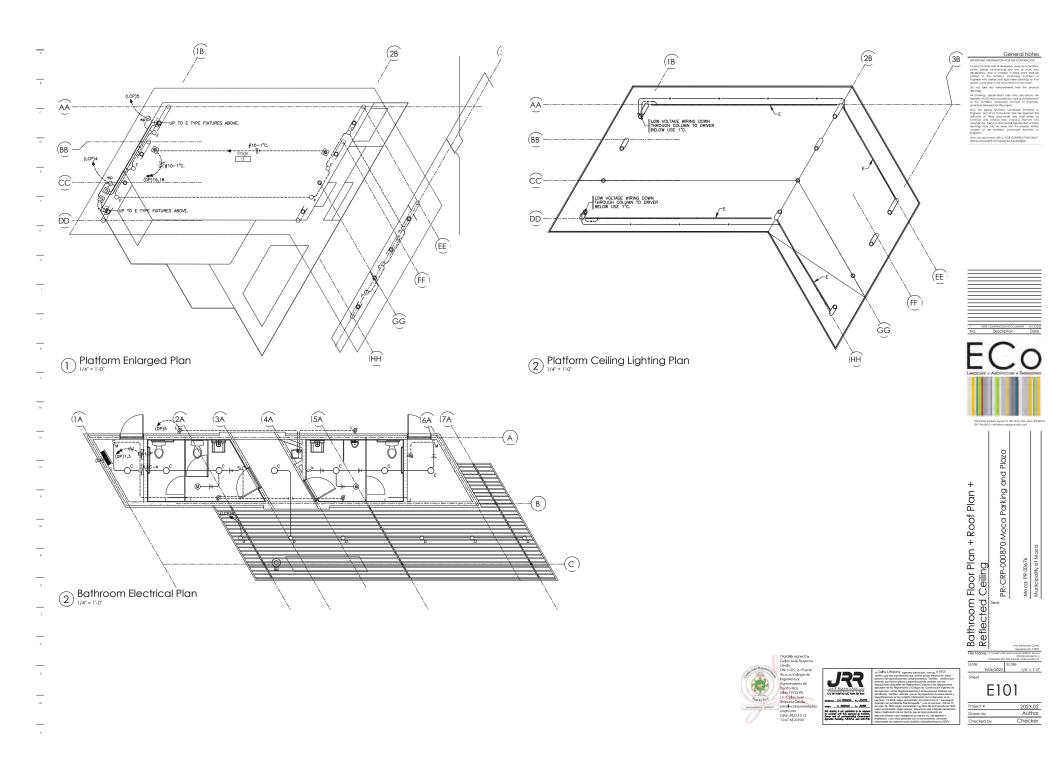
Author

- 13 + 4#2 AWG THWN-2 & 1#6 AWG GND-2"C. PVC SCHED. 40.

- UNDERGROUND SECONDARY FEEDER: 4#250 NCM THWN-2 & 1#1/0 AWG GND-4\*C PVC SCHED, 40 & 1-4\*C PVC SCHED, 40 SPARE.







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LEGEND: C CEILING LIGHTING OUTLET IN 4-INCH SQUARE BOX HO WALL LIGHTING OUTLET, IN 4-INCH SQUARE BOX HO 4" SOUARE WALL MOUNTED J-BOX WITH 3/4" CONDUIT IN WALL MOUNTED 4-INCH SQUARE JUNCTION BOX, UNLESS OTHERWISE NOTED JUNCTION BOX IN HUNG CELLING HJ JUNCTION BOX WALL MOUNTED DUPLEX RECEPTACLE 20A, 125V, 3W, GROUNDING TYPE, 1'-6" A.F.F. DECORA SPECIFICATION TYPE, WHITE □ SAME AS ABOVE BUT @ 54" A.F.F. FLOOR MOUNTED QUAD RECEPTACLE 120, 20A, GND. INSTALLED IN WEATHER RESISTANT BOX WITH ACCESS DOOR (FLUSH MOUNTED WITH FLOOR FINISH) SAME AS ABOVE BUT SINGLE RECEPTACLE TWO DUPLEX RECEPTACLES IN 4-INCH SQUARE BOX 120V, 20A, 1P, 3W, GROUNDING TYPE, WALL MOUNTED, 1'-6\* A.F.F. C DUPLEX RECEPTACLE 20A, 129V W/ G.F.J, WALL MOUNTED 1'-6" A.F.F., L DENOTES IN ENCLOSURE WITH PADLOCKING FACILITIES DITTO BUT INSTALLED AT 3"-6" A.F.F. SAME AS ABOVE BUT WITH WEATHERPROOF PLATE, WHITE COLOR SURFACE WOUNTED DUPLEX RECEPTACLE IN FURNITURE C FLUSH MOUNTED DUPLEX RECEPTACLE IN FURNITURE 10 250V, 29, 20A, SINGLE RECEPTACLE GND. TYPE RECEPTACLE DUPLEX RECEPTACLE 20A, 125V, 3W, GROUNDING TYPE, 1"-6" A.F.F., DECORA SPECIFICATION TYPE, GRAY COLOR, FLUSH WALL MOUNTED, FOR COMPUTER LOAD. ⊢① 250V, 29, 3W, 30A GND. TYPE RECEPTACLE, 1'-6" AFF, FLUSH WALL MOUNTED. SINGLE RECEPTACLE 120V, 1#, 30A GND. TYPE. ABOVE SERVER RACK. HC 250V, 39, 4W, 30A GND. TYPE SURFACE MOUNTED TWIST LOCK RECEPTACLE (L1430R) HI 250V, 34, 4W, 50A GND. TYPE SURFACE MOUNTED RECEPTACLE (14-50R) SINGLE RECEPTACLES 250V, 28, 4W 30A GND. TYPE, L14-30R FLUSH MOUNTED ON CELLING FOR SERVER RACK.  $\blacksquare \ensuremath{\mathbbmsl}$  wall mounted manual starter with overload protection 4'-0" a.f.f. P HEAVY DUTY NON FUSIBLE DISCONNECT SWITCH 480V, 34, 30A, NEMA 1 UNLESS OTHERWISE INDICATED. ⊠h COMBINATION MAGNETIC STARTER & DISCONNECT SWITCH W/H.O.A. SELECTOR SWITCH AND PLOT LIGHT ON COVER. PROVIDE CONTROL TRANSFORMER AS REQUIRED FOR
 120V COIL VOLTAGE AND 2 H.O. & 2 N.C. AUXILIARY CONTACTS. SINGLE POLE SWITCH 20A, 277V, QUET TYPE, 4'-0" A.F.F. DECORA SPECIFICATION TYPE, WHITE STATE DITTO BUT 3 WAY Św WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WITH MANUAL OVERRIDE & FAIL SAFE OPERATION EQUAL TO SENSOR SWITCH WSD-PDT-WH CELING MOUNTED DUAL TECNOLOGY OCCUPANCY SENSOR EQUAL TO SENSOR SWITCH CM-PDT-10-WH, FAIL SAFE OPERATION. PP OCCUPANCY SENSOR POWER PACK PP-20 TELEPHONE AND DATA OUTLET 4-INCH SQUARE BOX, 1'-6" A.F.F.
 SAME AS ABOVE BUT 0 3'-8" A.F.F. FLOOR MOUNTED TEL/DATA OUTLET WITH BRONZE PLATE CEILING MOUNTED TEL/DATA OUTLET HTV CABLE T.V. OUTLET 5'-5" A.F.F. CIRCUIT BREAKER PANELBOARD, 6'-0" A.F.F. TO TOP TELEPHONE TERMINAL BOARD 6-0 A.F.F. TO TOP CABLE T.V. 5'-0" AF.F. TO TOP ------ NEW CONDUIT RUN EXPOSED UPO CONDUIT STUB-UP HO PUSH BUTTON STATION HEE START STOP PUSH BUTTON STATION W/ PILOT LIGHT, 4'-6" A.F.F. HTS TIME SWITCH 24 HOUR, ASTRONOMICAL DIAL, 120V, 1 POLE 10 HOUR CARRY-OVER. He 1,000W-120V-PHOTOCELL AT ROOF PARAPET. 12 POLE NORMALLY CASED ELECTRICALLY HELD LIGHTING CONTACTOR
 IN NEWA 1 ENCLOSURE
 EVALUAT TANK, CONNECT TO 2 POLE SWITCH
 AT BUTHROOM OR NOTOHIN, UNIVERSAL MOUNT EXIT LIGHT, WITH CLEAR ACRYLIC FACEPLATE AND GREEN LITTERS. UTHONA LRP-LED SERIES.
 (rc) FAN COLL UNIT CONTROL CELEBRS. DIFFORM DO-LED SERIES.
 COLUMN
 ELECTRIC NOTOR, NUMERAL INDICATES HORSEPOWER
 APPT
 DENOTES ABOVE FINISHED FLOOR DENOTES ABOVE FINISHED FLOOR DENOTES FURNISHED BY OTHERS DENOTES P.R. ELECTRIC POWER AUTHORITY W.P. WEATHER PROOF N DENOTES NEW E DENOTES EXISTING TO REMAIN EXISTING RELOCATED DEVICE ER DENOTES EXISTING TO BE REMOVED NL NIGHT LIGHT

NOTES: 1-pvc sched, 40 conduit shall be used except where not allowed by n.e.c. or unless otherwise indicated,  $3/4^{\ast}$  ps minimum size. 2-PVC SCHED. 40 FITTINGS SHALL BE CONCRETE TIGHT. 3-THHN WE SHALL BE USED UNLESS OTHERWISE INDICATED, #12 AW.G. MINMUM SZE. 4-WRING DEVICES AND PLATES SHALL BE WHITE COLORED, DECORA TYPE, SPECIFICATION GRADE 5-ELECTRICAL INSTALLATION SHALL BE DONE IN STRICT ACCORDANCE WITH N.E.C. AND LUMA REGULATIONS, LATEST EDITION. 6-INSTALLATION DETAILS ARE ILLUSTRATIVE AND SHOULD NOT BE USED WITHOUT VERIFYING JOB SITE CONDITIONS, CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING ANY DEVIATION THEREFROM. Source store sources and sources and sources and sources interactions induced boards - Setting to construct a sources and sources and sources and - Setting to construct a source source and the source of the constructions to source and a last Permission memory and a source before source and the source of the source of the source of the Board and the source of the sourc 8-ALL CONVENIENCE RECEPTACLES SHALL HAVE A #12 GREEN JUMPER BETWEEN RECEPTACLE GROUNDING SCREW AND THE OUTLET BOX GROUNDING SCREW. 9-CONNECTIONS IN WIREWAYS SHALL BE MADE BY USE OF COMPRESSION CONNECTORS AS MANUFACTURED BY THOMAS & BETTS. 10-RACEWAY SHALL BE PROVIDED WITH APPROVED EXPANSION FITTINGS WHERE CROSSINGS BUILDING EXPANSION JOINT, 11-ELECTRICAL CONTRACTOR SHALL PROVIDE POWER & CONNECT ALL EQUIPMENT FURNISHED UNDER OTHER SECTION OF THE SPECIFICATIONS. FINAL CONNECTION SHALL BE DONE UNDER THE SUPERVISION OF THE RESPECTIVE CONTRACTORS. 12-INSTALLATION SHALL BE DONE IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION. 13-CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS AND/OR EQUIPMENT REQUIRED FOR A COMPLETE WORKING SYSTEM. 14-ALL CONDUIT IN DIRECT CONTACT WITH EARTH SHALL BE PVC SCH.40 PROVIDE WITH A GROUNDING CONDUCTORS AS PER N.E.C. 15-FINAL LOCATION OF PANELBOARDS MAY WARY IN ACCORDANCE TO FIELD CONDITIONS. 16-FINAL LOCATION OF PARELBOARDS MAY VARY IN ACCORDANCE TO FIELD CONDITIONS. CONTRACTOR SHALL LUMARE SHOP DRAWING PROR TO FINAL EQUIPMENT INSTALLATION 17-CONTRACTOR SHALL BALANCE ALL LOADS. 18-ROUTE OF CONDUITS SHOWN IN LAY-OUT IS SCHEMATIC AND INTENDED ONLY TO INDICATE INTERCONNECTIONS BETWEEN OUTLETS. EXACT ROUTING SHALL BE DETERMINED WITH STRUCTURAL CONDITIONS. 19-CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR ALL UNDERGROUND PIPES, CONDUITS AND PULL BOXES. PRESS, CONDUTS MAD PULL BOOKS. DECORRONNET DURING NUMBER OWNERD, DURING NUMBER, PULL PULMERO, FREE PROTECTION, MECHANICAL, MO LECTROLL DURING NUMBER, DIE ON THE CLUNK, LOCATE COMPARIY FRAVED INGER ON CELING, CORRINATE ALL EXYCES, MO LUMININGS WITH MORTECTURAL REFLECTE COMPARIATE ALL EXYCES, MO 21-ALL RECESSED LIGHTING FIXTURE SHALL BE MOUNTED AS PER N.E.C. 410-16C AND TO COMPLY WITH "REGIMENTO DE CONSTRUCCION DE LA JUNTA DE PLANEICACION".

TO COMPLETE BEEN RELATED LE LURISTICULAR LE LA VARIÓ EL PARTICICIÓN : 2.1-INS GARRINGS ALE A COLDURIS CREMENTANTO DI LE REGUIDADO : COLLOS DE LA COLDURIS CREMENTANTO DI LE REGUIDADO : COLLOS DE STRUILLO NO CREMI DA PRE ANDI DAVES DA RALLI E SALLA SEALIDA LCORRENTANTO REMONI A PRE ANDI DAVES DA RALLI E SALLA REGUIDADO DE JACON SI INSTALLO NO CREMI DA VARIANTA DE RANGE O DE VARIAL TE SALLA REGUIDADO DE JACON SI INSTALLO NO CREMI DA VARIANTA DE RANGE O DE VARIAL TE SALLA REGUIDADO DE JACON SI INSTALLO NO CREMI DA VARIANTA DE RANGE O DE VARIA DE VARIAL DE VARIA 23-FOR EXACT LOCATION OF ALL MECHANICAL EQUIPMENT REFER TO MECHANICAL DRAWINGS.

UNIMINUS. 24-MINIMUM CLEARANCES SHOWN FOR ELECTRICAL EQUIPMENT SHALL BE COORDINATED WITH ELECTRICAL EQUIPMENT MANUFACTURER AS PART OF SHOP DRAWING SUBMITTAL; IT SHALL COMPLY WITH NEC-110 AND BE VERIFIED BEFORE SHOP DRAWING SUBMITTAL & ORDERING OF EQUIPMENT.

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Selection: Comparison of the Comparison of the Comparison of Compa

USA MULTINUME LAW SERVICE IN THEM. 28-MV INDERGONDA CONJULT FOR SECONARY FEEDER SHALL BE BURED AT A MIN. DEPTH OF 36" BELOW FINISHED GRADE, UNLESS COVERED BY 4" CONCRETE ENVELOPE IN WHICH CASE MIN. DEPTH SHALL BE 18 BELOW FINISHED GRADE LEVEL.

29-CONTRACTOR SHALL VERIFY ALL DISTANCES AT FIELD. 30-PROVIDE GROUND CONDUCTOR IN ALL CONDUITS RUNS AS PER NEC. 250. 31-CONTRACTOR SHALL PROVIDE & INSTALL A #14 FISHWIRE IN EVERY EMPTY CONDUIT.

32-IF ANY DISCREPANCY IS FOUND IN THESE DRAWINGS THE MORE STRIGENT APPLIANCES, UNLESS A WRITTEN CLARIFICATION IS EMITTED BEFORE THE END OF THE BID PROCESS BY THE ARCHITECTS OFFICE.

ANOTHETIS OFFICE. 37-ME DPOSOD CONDUT RAN SWALL BE RIGD STEEL GALWARZED. 34-WHEN TWO OR MORE LOAT SWITCHES ARE INSTALLED. HEXT TO EACH OTHER CONTRACTOR WAS INSTALL. THEN IN A MULTIPLE GAME BOX, SZE AS REQUEED. 35-CONTRACTOR SWALL COORDANTE LOATING FOUTHES VOLTAGE WITH VOLTAGE OF CIRCUIT SERVING FILTURE.

SERVING FIXTURE. 36-CONTRACTOR MUST COORDINATE FIXTURE MOUNTING TYPE WITH CELLING TO BE MOUNTED.

37-ALL EQUIPMENTS AND RACEWAYS SHALL BE SEISMICALLY RATED AND SEISMICALLY SUPPORTED FOR A SEISMIC ZONE 4.

38-FOR TYPE, SPECIFICATION, EXACT AND FINAL LOCATION OF ALL LIGHTING FIXTURES REFER TO ARCHITECTURAL AND LIGHTING DESIGNER DRAWINGS. 39-ALL EXTERIOR, EXPOSED JUNCTION BOXES SHALL BE WEATHERPROOF TYPE UNLESS OTHERWISE

40-ALL CONDUITS PASSING FROM ONE LEVEL TO ANOTHER THRU THE FLOOR, CEILING SLABS OR ANY PENETRATION SHALL BE SEALED ACCORDING TO THE FIRE RESISTANT RATING OF THE SLAB. 41-ALL ELECTRICAL INSTALLATION IN POOL AND FOUNTAIN MUST COMPLY WITH NEC ART. 680

42-CONTRACTOR MUST SUBMIT FOR APPROVAL PRIOR TO ORDERING & INSTALLATION ALL FIRE ALARM, LIGHTING FIXTURES, OUTLETS AND DEVICES TO BE INSTALL.

HOT FORTED BOARD GOODS. SOFTNED BY ARTICLE 100 OF THE N.E.C. SHALL HAVE MULTI-POLE ORCUIT BREAKERS WITH INTERGRAL COMMON TRIP. SINGLE POLE BREAKERS WITH IDENTIFIED HANDLE TIES MAY BE USED PER N.E.C. ART. 240.15(9).

THE CART 245 (26). THE DOTIFIES WHILE IN THE DOTIFIES WHILE INTO A WARKEN THE DOTIFIES WHILE INTO A STREAM W

SHALL BE ACTIVATED.

SPRINE DE AUTWALED. 51-EDRESS CONTROL DEVICE MUST DEACTIVATE UPON LOSS OF POWER OF ACCESS CONTROL SYSTEM. SPRINKLER OR SMOKE DETECTOR SYSTEM.

PANEL SCHEDULE

THEE BOILEBOEL							
PANEL DESCRIPTION: DP				LOCATION:	AS SHOWN	1	
VOLTS: 120/240V-3#-3W-S/N				AMPS: 22	5A M.L.O.		
MOUNTING: SURFACE				I.C.: 10,00	0 A.I.C.		
PANEL TYPE: SQUARE D NQOD				REMARKS: GROUND BUS, STAINLESS STEEL ENCLOSURE			
LOAD DESCRIPTION	FRAME	TRIP	CKT. NO.	CKT. NO.	TRIP	FRAME	LOAD DESCRIPTION
BATHROOM RECEPTACLES	QOB	20	1	2	20	QOB	SPARE
BATHROOM LIGHTS	QOB	20	3	4	20	QOB	SPARE
CONVENIENCE RECEPTACLES	QCB	20	5	6	20	QOB	SPARE
			7	8		008	
LOP	ace	50	9	10	250	208	POWER CENTER
			11	12			
SPARE	QOB	20	13	14	∠	Q08	POWER CENTER
SPARE	Q08	20	15	16	20	QOB	STAGE RECEPTACLES
SPARE	QOB	20	17	18	20	QOB	STAGE RECEPTACLES
SPARE	QOB	20	19	20			
			21	22	∠ <sup>50</sup>	QOB	POWER CENTER
			23	24	50	008	POWER CENTER
			25	26	200	208	
			27	28			
			29	30			
			31	32			
			33	34			
			35	36			
			37	38			
			39	40			
			41	42			

	General Notes
DREANT INFORMATION	FOR THE CONTRACTOR
to before commencine eponov, error or omio led to the Architect rear who stemps and :	versions, levels and condition ing any and all work. Any sion in these plans shall be . Londcape Architect or signs these chavings so that countents can be made.
not take any measurings.	nements from the physical
erty of ECo and con so	ond other documents are lety be used as an instrument spe. Architect: or Engineers project.
weet, and Eco's Consu- orb) of these docur main and sofulary ia right(s). Theful and/or rings may only be do	<ol> <li>Londscope Architect or licent shall be deemed the meth and shall retain all wij including reserved and partial reproduction of these ee with the express wither L landscope Architect or</li> </ol>
use documents with a	TOR CONSTRUCTION ONLY to by the designer.

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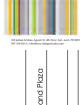
CIRCUIT	CONTROL ZONE	AREA	FIXTURE TYPES	LOAD TYPE	LOAD (W)	FUNCTION	SCHEDUL
1	1	BENCH LIGHTING	В	LED 0-10V		ON-OFF	DUSK TO DA
2	2	GENERAL SITE	A	LED 0-10V		ON-OFF	DUSK TO DA
3	3	GENERAL SITE	A	LED 0-10V		ON-OFF	DUSK TO DA
4	4	STAGE CEILING	E	LED 0-10V		DIM	-
5	5	STAGE UPLIGHTS	F	LED 0-10V		DIM	-
6	6	BATHROOM BUILDING CANOPY	D	LED 0-10V		ON-OFF	DUSK TO DA
7	-	SPARE					
8	-	SPARE					
9	-	SPARE					
10	-	SPARE					
11	-	SPARE					1
12	-	SPARF					

## LUMINAIRE SCHEDULE:

DESIG.	DESCRIPTION	LAMPS	MANUFACTURER
A	LED POLE MOUNTED AREA LUMINAIRE.		LUMENPULSE UAM-120-CSL-L200-30K-CRI80-4-CC- DIM-S02/PU8-5-S1E-CC/RTA25C6B4-RAL
8	LINEAR LED OUTDOOR STRIP LENGTH AS SHOWN.		KLUS B5390 ANODA/KNFM3019 2024V/ MD300
c	SURFACE MOUNTED LED.		FC LIGHTING FCW 3800-UNV-3K-CRI85-26L-WHE
D	OUTDOOR MINI CYLINDER LED.		TARGETTI MSS-W-41-WT-MD-L1-30-MG
E	LINEAR LED DWNLIGHT-RECESSED MOUNTED. LENGTH AS SHOWN.		KLUS B552ANODA/17032/(2) WPK 301910H DIP 65624V/MD300
F	IN GROUND LED UPLIGHT.		TARGETTI KPL-41-GHP-FL-L1-30/1 DU 2325/ 1DU2394/1DV2530







Parking . Moca I CRP-000870 PR 00676 , Notes -les Moca, Municiț PR-

E200

1/4" = 1"-0"

2023.02 Author

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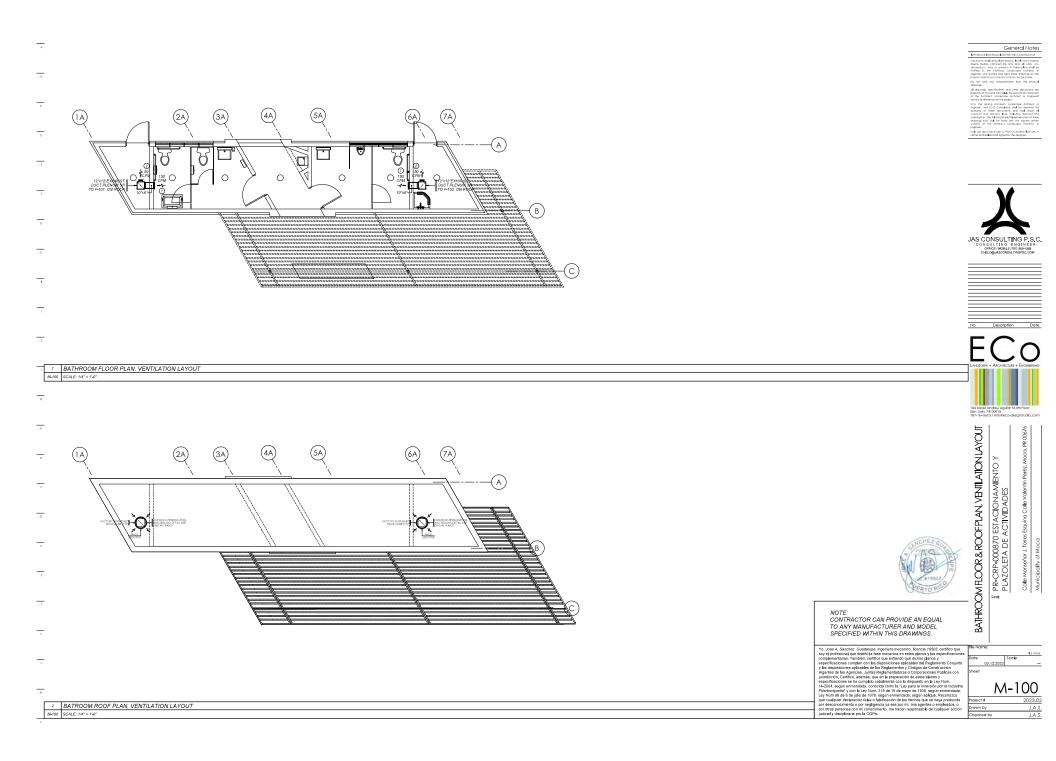
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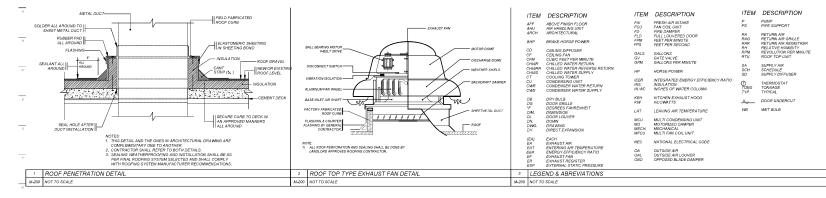
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Date 9/06/2023

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Project #





# FANS SCHEDULE

_																		
н	GENERAL DATA						FAN DATA					MOTOR DATA			ELECTRICAL	DATA		
	TAG NO.	TYPE	SERVICE	MANUFACTURER & MODEL	WEIGHT (LBS)	REMARKS	ACTUAL CFM	EXTERNAL STATIC PRESSURE	FAN SPEED (RPM)	SOUND DATA		MOTOR SPEED (RPM)	INPUT	NOMINAL MOTOR	VOL7S	PHASE	HERTZ	
				(EQUAL OR SIMILAR)	(LBS)			(IN: H2O)	(RPNI)	DBA	SONES	(KHW)	B.H.P.	MOTOR				
	F-101	DOWNBLAST CENTRIFUGAL	WOMEN'S BATHROOM	LOREN COOK 90C15DM	30	1,3,4,6,7 12,14,23,34	200	0.3	1,123	43	3.6	1,550	(61.8 WATTS)	1/8	115	1	60	
	F-102	DOWNBLAST CENTRIFUGAL	MEN'S BATHROOM	LOREN COOK 90C15DM	30	1,3,4,6,7 12,14,23,34	200	0.3	1,123	43	3.6	1,550	(61.8 WATTS)	1/8	115	ſ	60	

REMARKS: () ALL ALLINNAM CONSTRUCTION () DISCONDECT SWITCH PEMN 30) () SPEED CONTROL () BACKDAFT DAMPER () HORIZOUTAL SUPPORT. () ULL ISTED () HORIZOUTAL SUPPORT. () VILLISTED () VIL (DAL ADMINISTRAND REVEALED AND INTERVENTING OF AND INTERVENTING OF AND ADMINISTRATION OF ADMINIST (1) FIELD ROTABLE HOUSING (1) CLEANFOUT PLUG (2) RETRAIN SPRING INSULATOR (3) DRAIN PLUG (4) BELT TENSIONER

NOTES: 1) ANCHORAGE TO STRUCTURE SHALL BE DONE IN ACCORDANCE WITH ASCE 7-16 CHAPTER 13 REQUIREMENTS 2) ROOF CURB SHALL BE HURRICAME RATED FOR PUERTO RICO 3) CONTRACTOR SHALL BITTERLOCK OUTSIDE AR FAN TO START / STOP WITH EACH FAN COLL UNIT START/STOP.

# AIR DISTRIBUTION SCHEDULE

		MODEL	MANUFACTURER	SI	ZE	CI	т		BOOT	PLENUM	PATTERN	REMARKS	
TAG	TYPE	(EQUAL OR SIMILAR)	(EQUAL OR SIMILAR)	NECK	FACE	MINIMUM	MAXIMUM	SLOTS	# CONN.	DIAMETER (INCHES)	PATTERN		
1	RETURN / EXHAUST GRILLE	RHD	METALAIRE	6*× 6*	8" x 8"	-	200	-	-	-	EXHAUST	1,2,14	
2	RETURN / EXHAUST GRILLE	RHD	METALAIRE	10" × 6"	12" x 8"	-	150	-	-	-	EXHAUST	1,2,14	

TEBLINGS IN LLUINING CONSTRUCTION 3 MUMINING DD 3 MR GELECTOR 4 NATTENA A VOLUE CONTROL, SI VOLUE CONTROL 4) SOLARE TO FOUND ANATTEN 7 EXCURTIN MARE BRANCETS 6 INTERNA VOLUE CONTROL, SI VOLUE CONTROL 4) SOLARE TO FOUND ANATTEN 7 EXCURTIN MARE BRANCETS 6 INTERNA VOLUE V 19 MILIO VOLUE V 19 MILIO VOLUE V OPPOSED BLADE DAMPER

### 4 SCHEDULES M-200 NOT TO SCALE

5 GENERAL NOTES

M-200 NOT TO SCALE

BIDDER SHALL VIST TIDE BUILDING AND ACCOUNT THARES VIST WITH THE DOMETRIGS IN BITH ANTITALITY SHE AND VERBY INDEXCOUNT CHARGES IS A WITH THE DOMETRIGS IN BITH ANTITALITY SHE AND VERBY INDEXCOUNTS AND ADDRESS AND DETAILS REGURED IT O COMPLETE THE WORK, FAULURE TO VIST TITHE PROJECT AND MULTING WAY RELIVER THE SUCCESSFUL BOODT OF PRIMISING ALL MONTAGET, VIST TO THE PROJECT AREA SHALL BE ARRANGED THROUGH THE BUILDING MARGET.

- 2. CONTRACTOR SHALL PROVIDE SUITABLE VIBRATION ISOLATION FOR THE SYSTEM AS RECOMMENDED BY MANUFACTURER OF EQUIPMENT SPECIFIED OR PROVIDED.
- CONTRACTOR SHALL FURNISH AND INSTALL PIPING VALVES, SENSORS, CONTROL SYSTEMS AND ANY OTHER ITEN RECUIRED FOR THE FUNCTIONING AND OPERATION OF THE SYSTEM SHALL FORM PART OF THE WORK TO BE DONE BY THE CONTRACTOR, .3
- 4. IT IS THE INTENTION OF THE DRAWINGS TO CALL FOR FINISHED WORK, COMPLETE, TESTED AND READ YOR OPERATION. MINOR DETAILS NOT SHOWN OR SPECIFIED, BUT NECESSARY FOR THE PROPER INSTALLATION AND FOR FUNCTIONING AND OPERATION OF THE SYSTEM SHALL FORM PART OF THE WORK TO BE DONE BY THE CONTRACTOR.
- 5. THE CONTRACTOR SHALL, WITHOUT EXTRA CHARGE MAKE REASONABLE MODIFICATIONS IN THE DUCT AND PIPING ARRANGEMENTS AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK.
- ALL EQUIPMENT AND MATERIAL SHALL BE INSTALLED WITH THE APPROVAL OF THE OWNER IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER AND THE SPECIFICATIONS ISSUED FOR THIS PROJECT.
- CONTRACTOR SHALL LOCATE IN FULLY ACCESSIBLE POSITIONS ALL EQUIPMENT WHICH MUST BE SERVICED, OPERATED, OR MAINTAINED, CONTRACTOR IS RESPONSIBLE THAT EACH EQUIPMENT COMPLY WITH MANUFACTURER RECOMMENDED CLEARANCE.
- IN CASE OF DISCREPANCY BETWEEN THE EQUIPMENT SPECIFIED AND THE EQUIPMENT SUPPLIED BY THE OWNER, THE CONTRACTOR SHALL ARRANGE FOR THE PROPER INSTALLATION OF THE EQUIPMENT.

- CONTRACTOR SHALL FURNISH AND INSTALL AIR CONDITIONING EQUIPMENT, DUCTS, INSULATION, PIPING VALVES, SENSCRS, CONTROL SYSTEMS AND ANY OTHER ITEM REQUIRED FOR THE PROPER FUNCTIONING AND OPERATION OF THE SYSTEM.
- 10. MECHANICAL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES. 11. ALL SUPPLY, RETURN, OUTSIDE, MAKE UP VENTILATION AND GENERAL EXHAUST DUCTWORK SHALL BE GALVANIZED SHEET METAL, MANUFACTURED AND INSTALLED IN ACCORDANCE WITH LATEST EDITION OF THE DUCT CONSTRUCTION STANDARDS OF SMACNA FOR THE APPLICABLE PRESSURE CLASS.
- ALL O.B.D'S AND M D'S SHALL BE LOW LEAKAGE EXTRUDED ALUMINUM OPPO BLADE ACTION AS MANUFACTURED BY RUSKING MODEL CD50 OR APPROVED EQUAL.
- 13. THE MECHANICAL CONTRACTOR SHALL COORDINATE THE CONCRETE SLABS PEWETRATION WORKS WITH OWNER, STRUCTURAL ENGINEER AND ARCHITECTURAL DRAWINGS.
- 14. ALL SHEET METAL DUCTWORK SEAMS & JOINTS MUST BE SEALED WITH HIGH VELOCITY DUCT SEALER AS MANUFACTURED BY DUCTMATE INDUSTRIES MODEL PRO SEAL OR APPROVED EQUAL. AIR LEAKS MUST BE 5% OR LESS. TEST DUCTWORK BEFORE FINAL CONNECTION TO AHUS S AIR DISTRIBUTION.
- 15. FOR EXACT LOCATION OF CEILING DIFFUSERS REFER TO ARCHITECTURAL REFLECTED CEILING PLAN.
- 11. ALL INTERNA, MO DIRECAL TIES REQUIRED ONE THE MORE SHALL BE KEN (MALESS OF MARKER KINGLAFE) OF RAFELASS CALLED FURNISHED, DELLAREDE, DIRECTED, CONNECTED AND FINISHED DE UVERV DETAL, ADD SHALL BES O SELECTED AND RANKEED AS TO THEORERY. INTO THE ECONTRACTOR SHALL KEEP ARE BUDS PLUGGED OR CAPPED TO PREVENT ONT ON MOSTUME DYNAMIC PRANCIPACIES OF MOSTON CONTRACTOR MOSTUME DYNAMIC PRANCIPACIES.
- 17. CONTRACTOR SHALL BE RESPONSIBLE OF SUBMIT DUCTWORK SHOP DWG. FOR APPROVAL NO CHANGE ORDER WILL BE ALLOWED FOR DUCTS MODIFICATIONS RESULTING FROM NEW-COORDINATED SHOP DRAWINGS.

- ALL REFRIGERANT LINES SHALL BE RIGID COPPER TYPE K 'ACR' SOLDERED, INSULATE EACH LINE OR AS REQUIRED BY MANUFACTURER WITH 34" THICK ARMAFLEX INSULATION. VAPOR SEAL ALL SEAMS & JOINT WITH BENJAMIN FOSTER 6025.
- ALL AIR (SUPPLY, RETURN, EXHAUST, OUTSIDE & MAKE UP) AND WATER (CHILLED, CONDERSER & REFIERT SHALL BE BALINCED BY AIN INDERMOENT LICENSED BALINDER AFTER PROJECT GET COMPLETED LAANONG CONTRACTOR SHALL BE CERTIFIED ANDOR LICENSED UNDER NEBB OR AABC AND SUBMITT A CERTIFIED REPORT INT INT OCCHVES.
- 20. DUCTWORK, PIPE, AIR DISTRIBUTION AND AIR MOVING EQUIPMENT SHALL BE PROVIDED WITH SEISMIC RESTRAINBRACING AS REQUIRED BY INTERNATIONAL BUILDING CODE AND ALL AMENDMENTS TO COMPLY WITH LATEST PUERTO RICO BUILDING CODE.
- 21. EACH DUCTWORK SYSTEM SHALL BE CONSTRUCTED FOR THE SPECIFIC DUCT PRESSURE CLASSIFICATIONS SHOW CM DMANAGE. WHERE NO PRESSURE WHEN THE DUCTS VARIABLE VOLKE, ALL VARIABLE VOLKED BOLT UNSTREAM OF VA. V. BOXES MID VA.V. DIFFUSERS SHALL BE CONTRUCTED USING 2.0 IN WG. PRESSURE CLASS UNLESS STREAMS NOTICE.
- ALL MECHANICAL EQUIPMENT. AIR DISTRIBUTION AND RELATED MUST BE ANCHORAGE BASE/SUPPORTS AND TO STRUCTURE IN ACCORDANCE WITH ASCE T-16 CHARTE 13 REQUIREMENTS.
- 23. ALL DUCTWORK DIMENSION SHOWN ON DRAWING ARE CLEAR INSIDE DIMENSION UNLESS OTHERWISE INDICATED ON DRAWING.
- ALL ROOF, WALL MOUNTED AND/OR EXPOSED TO AMBIENT EQUIPMENT SHALL HAVE TO BE ANCHORED AND RESTRAIN TO WITHSTAND HURRICANE AND SEISIMU DELEGATED DESIGNER SHALL SELECT, CERTIFY SEISIMC SYSTEM, ANCHORING AND INSTALLATION.

NOTE CONTRACTOR CAN PROVIDE AN EQUAL TO ANY MANUFACTURER AND MODEL



General Notes INFORMATI SECRAPHICS FOR THE Centractor shall verify at dimensions, true and contains prefile ballow commencing with an advect Any discrepancy, ever or emission in these pulses shall be national to the Anthetic Lanacagee Anchiect an Ingineer who stares and signs these devines so the parper consectices to the doormen can be noted Lando di searada tarria popeti. Cos, se ogno, Astriket i landocapa Arthleti or Inginese, and Cash Canalachi shall be desmad he autroly of these documents and shall salah all commo and statutory laws, including searand and documentati. The lamotar personal searant do documentati. The Manifest personal search of these documents. Only use documents with a "FOR CONSTRUCTION ONLY" stomp and sected and signed by the designer.





> ESTACIONAMIENTO ACTIVIDADES squina Calle PR-CRP-000870 E PLAZOLETA DE A Torres Monseñor J. f Municipality

Calle

FLENAME Scale

2023.02

J.A.S.

J.A.S.

M-200

LEGEND & ABBREVIATIONS

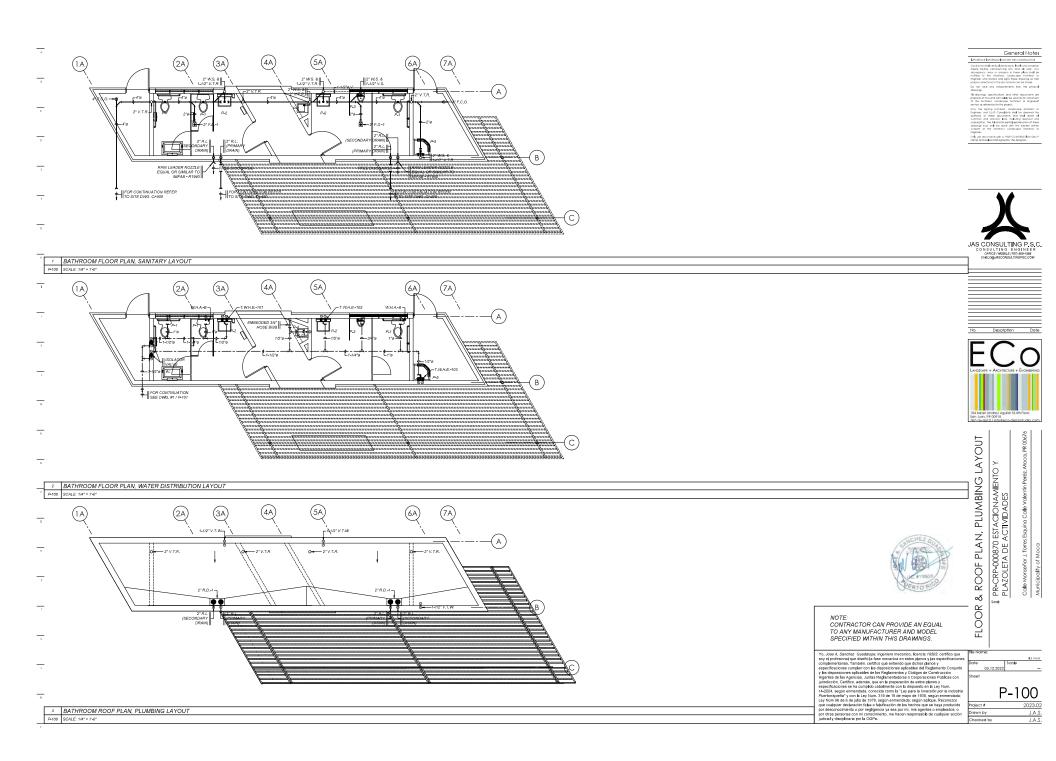
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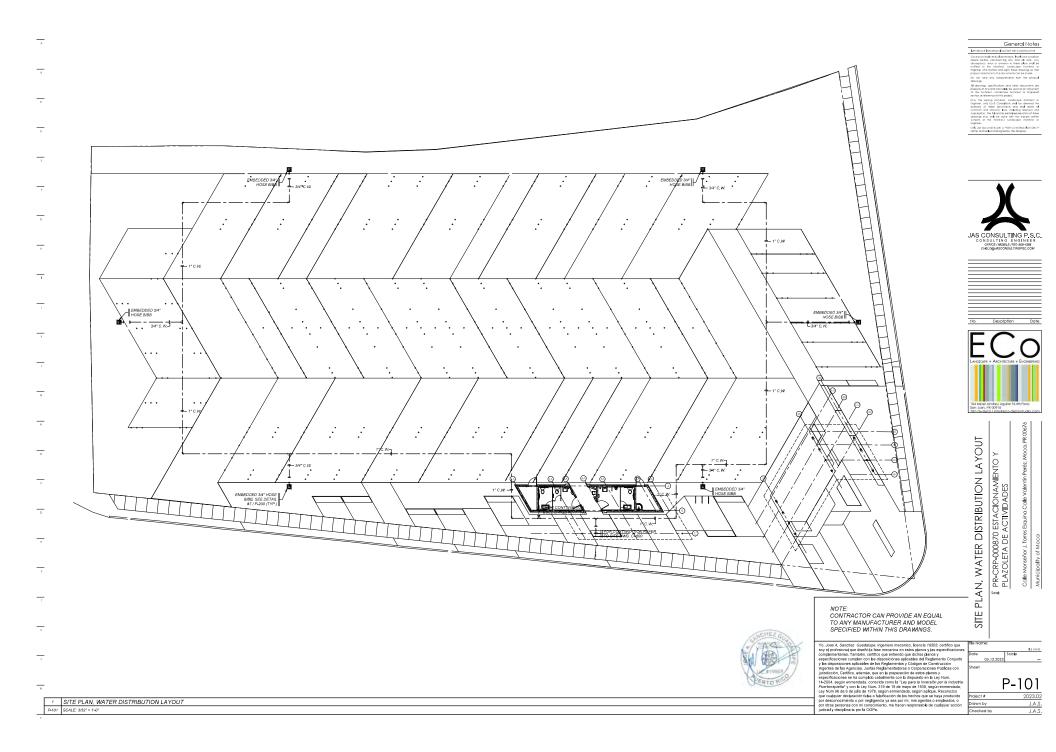
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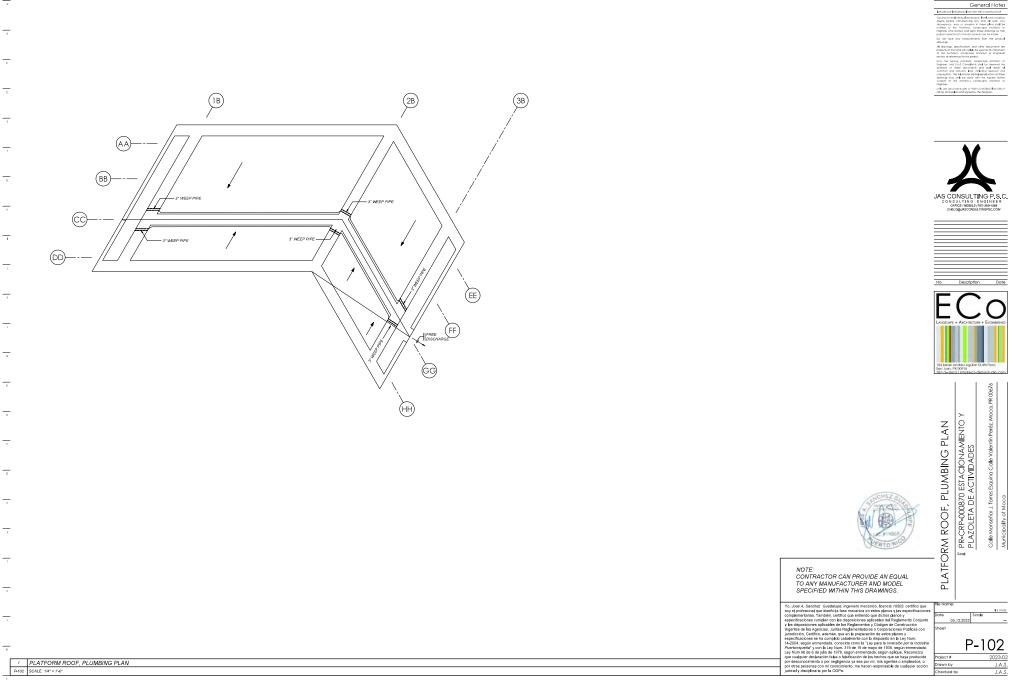
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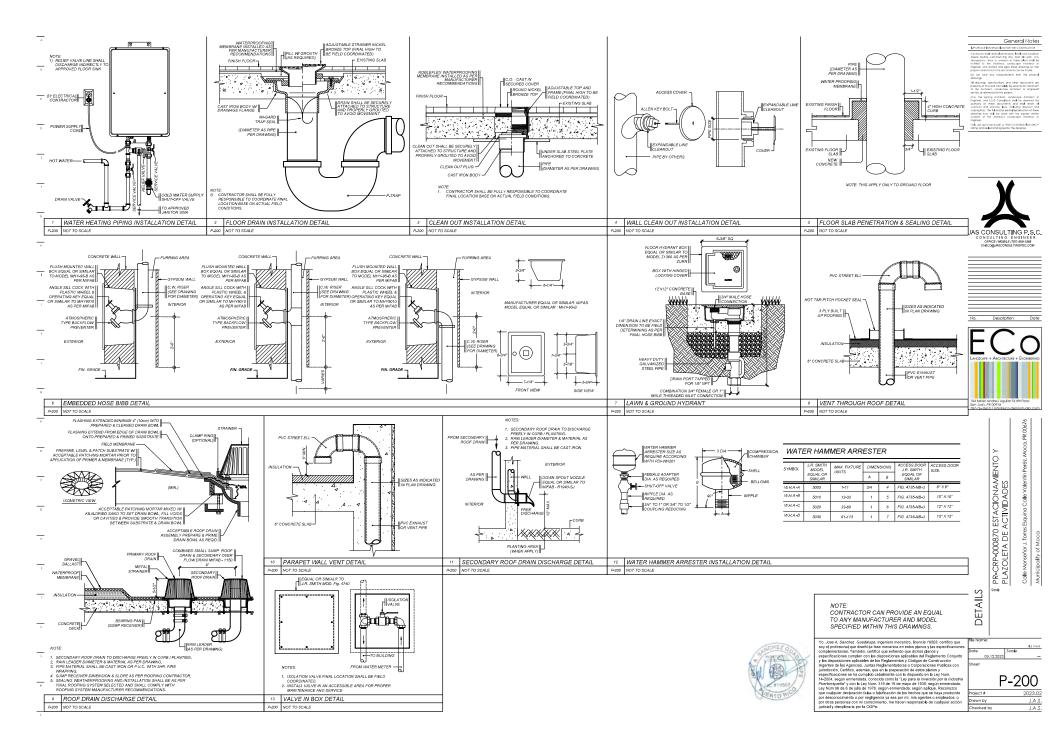




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## TANKLESS WATER HEATER SCHEDULE (ELECTRIC)

	TAG	SERVICE	LOCATION	MODEL NO. (EAQUAL OF	MANUFACTUR (EQUAL OR	ER	YPE P	DWER	WATER F	LOW		TEN	RISE *F	E		DI	MENS/ON	(IN)	é	LECTR	CAL DAT	A			
			LOCATION	SIMILAR)	SIMILAR)			FLC	10 [20 10]	NTION MAXI PM) (GP		1.0 1.5 PM GPM		2,5 3.0 PM GPM	4.0 GPM	merorin	WDTH	Dat m	10210	PHASE	HERTZ				
-	T.W.H.E10	Control of the	BATHROON	PA004120T	EEMAX FEMAX	Lee		3.5	- 0 - 0			24 16 24 16	7.6	10 -	-	9.875"	5.375* 5.375*	4	240 240	1	60 60	29			
	T.W.H.E10		BATHROON JANITOR	PA0041201 PA004120T	EEMAX			3.5	- 0			24 16		10 -	-	9.875"	5.375*	4	240	1	60	29			
	FURNISH WITH	1) SINGLE REPLACE	ABLE HEATIN	G CARTRIDGE IN	SERT 2) HALF INC.	H (1/2) CO	MPRESSION	TTING 3) DIG	TAL MICROPROC	ESSING TEMP	ARATURE CON	ROL 4) U.L.	LISTED 5)	ALOMINUM	POWDE	ER COATE	D FINISH								
	CLE	CLEANOUT SPECIFICATIONS							AC	CESS	DO	OR	SP	ЕC	IFI	СA	тіо	NS	;		_				
	C.O.NO.	C.O.NO. (EQUAL OR SIMILAR) (EQUAL OR SIMILAR) REMARKS					A.C. N		LOG NO. DR SIMILAR,	SIZE		UFACTU			FL	лсто	(		=						
	F.C.O.	C1100-R		MIFAB	POLIS	HED BRO	WZE TOP W	GASKET SEA		A.D1	r C14	10-S	10° x 10	r	MIFAB		HAMMER	RARRES	TER AND	VALVE	IN WALL	_			
	W.C.O.	C1430-RD		MIFAB	STAINLESS ST	TEEL COV	ER AND BRC	NZE PLUG & S	CREW	14/07						005	20	-							
	c.c.o.	C1430		MIFAB		BRON	IZE PLUG ON	LY		WA I	ER HA	WWER													
	FLO	DR&R(	DOF	DRAII	N SPE	CIF	- I C A	TION	IS	A.C.		U. RATING	(EQU	NODEL NO. AL OR SIMI WHB-A	iLAR) (t	MANUFA EQUAL O	CTURER R SIMILAF	0							
_	DRAIN NO. L	CATION MOD	DEL NO. DR SIMILAR)	MANUFACTUR (EQUAL OR SIM	ER LARJ	RE	MARKS			WCH.	~~~	12 - 32 33 - 60	-	WHB-B WHB-C	-	MIFAE		-							
	F.D1 B/		90-C-S	MIFAB	POLY	/ DOME S	TRAINER, PU ANIZED CON	SH ON OUTLE STRUCTION	τ,	WH:	A-D	51 - 113		WHB-D		MIFAE	3	_							
	R.D1	ROOF R	1150	MIFAB	METALDO CLAMP,	ME STRAI	NER, 43 sq.ir. AL SUMP, AD	. FREE AREA, JUSTABLE ST	MEMBRANE AND PIPE	W.H.		14 - 154 55 - 330		WHB-E WHB-F	-	MIFAE MIFAE		-							
								110	0170		0.0			_				-							
	PLUI	ABING	FIXT	URE	SCHE	DUL	E		RIZO E SLO																
-	ITEM	DESCRIPTION	TRAP	VENT	WATER SU	JPPLY BRAN	<i><i><i></i></i></i>							=											
				COL	D HOT	COLD	HOT	(l)	PE SIZE VCHES)	^	INIMUM SL		H PER FO	007)											
_	P=1 (FL P=2	WATER CLOSET USHOMETER VALVE	3"	2* 1*		1*			2" OR LESS			1/4"													
	P-2 P-3	LAVATORIES	1-1/4" 2"	1-1/2" 3/8 1-1/2" 3/4		1/2" 3/4"	3/4"		3-106-			1/16"													
		NATER FOUNTAIN	1-1/2*	1-1/2" 3/4 1-1/2" 3/8		3/4 ·	1/2"	ALL PIP	ES UPSTREAM O	0F		1/4*													
	P-5	JANITOR SINK	1-1/2*	1-1/2" 3/8		1/2*	1/2"		E MILLIOL TO					_											
		TH WATER SAVER T				O NEARE	S7																		
	* ARCHITECT * ALL FIXTUR	SELECTED ALL MOD SHALL BE ADA COI	DELS AND CO MPLIANT	LOR OF FIXTUR	E																				
	000050																								
P-500	NOT TO SC																				1				
ī	1 CLEANC	UTS SHALL BE OF T	HE SAME NO	MINAI SIZE AS	THE PIPE	15 AU	INDERGRO	UND WASTE	SANITARY AND	STORM DRAI	MAGE ( INES	24. THE P		CONTRAC	TOR SH	40.000	ROWATE	HISHER	WORK I	v					
	DIAMET	ER UP 70 4"										ORDE	ER TO AVO	ANY INT	EREER	ENCE M	TH THE M	DRKOE	OTHER						
	2. THE CO. CONCRI	ITRACTOR SHALL F TE POURING ALL N IY, COLD & HOT WA	URNISH AND ECESSARY S TER LINES	SET IN PLACE E	BEFORE ASTE OR	B)	SCHEDULE FOR NON P	40 DWV. RESSURE UN	IDE BUILDING S DERGROUND O WITH RUBBER (	UTSIDE BUILE	NNG SHALL	EQUII 25. WATE	PMENT BY			U DE MIS		N 0/1 10/	TEP			—	SOIL PIPE SLOPE		WATER HEATER GAS
	PER TH	SPECIFICATIONS.					FOR PRESS	URE UNDER	ROUND OUTSIL	E BUILDING	USE SDR 14	DISTF AS PE	RIBUTION I ER MANUF	BRANCHES	RECOM	EVER INC	ICATED O	W THE D	RAWING	s			VENTILATION PIPING		HEATER ELECTRIC
	3. THE PLU LOCATION	MBING CONTRACTO IN OF THE PIPING T EQUIPMENT BEING	OR SHALL DE O AVOID ANY INSTALLED F	TERMINE THE E (INTERFERENC)	XACT E WITH PIPING PACTORS	D)	ALL INSTAL INTERNATIO RECOMMEN	LATION SHAL WAL PLUMBI IDATIONS	BE IN FULL CO	MPLIANCE W IPE MANUFAC	TH THE			ODELS AS				SSHALL	RF				COLD WATER PIPING	T.W.H.G. V.T.R.	TANKLESS WATER HEATER GAS VENT TO ROOF
		TURES AND/OR EQU SPECIFICATIONS.				16. ALL	ABOVE GRO	UND WASTE.	SANITARY SEM	ER AND STOP	RM DRAIN	PROV OR SI	/IDED WITI MILAR TO	R ARRESTE 9 12" X 12" MODEL JA	FRAME Y.R. SM	WITH HIN NTH FIG.4	VGED LOC 762-SL	KED DOG	OR, EQU	AL			HOT WATER PIPING HOT WATER RETURN PIPING	V.T.W.	VENT TO WALL
		UTS SHALL BE PLAC				A)		ENS AND FOO	D HANDLING SP			27. GATE SHAL	I BE INST.	ALLED MIT	HIN A C	ASTIRON	OR CON	CRETE B	OX WITH	,			STORN SEWER PIPE	v.	VENTILATION
						B)	FOR ALL 01 D1785/D266	HER INSTALL 5) SCHEDULE	ATION EXCEPT 40/DWV. SE CAST IRON V MEANS PVC PII . BE IN FULL CC	AS ABOVE US	E PVC (ASTM	9 X 9 4915-	EQUAL OF U.	SIMILAR	TO MOD	DEL J.R. S	MITH ACC	ESS CO	/ER FIG			F.C.O.	FLOOR CLEANOUT	W.H.A. A.D.	WATER HAMMER ARRESTER
-	FIELD C SLOPES	ITRACTOR SHALL V ALL MAKE ANY NECL DNDITIONS AND AS	REQUIRED, 1	OSTMENT AS RE	PROPER	C) D)	(ASTM B306 ALL INSTAL	DWV, BY NG	MEANS PVC PI	PE SHALL BE	USED.	28. PLUM	BING CON		SHALL I	PROVIDE	ALL NEC	ESSARY : BING EIX	SERVICI	IS		C.C.O. 🕂	CEILING CLEANOUT	G.T.	GREASE TRAP
	7 17 10 711	INTENTION OF THE	DRAWINGS	TO CALL FOR F	INISHED WORK		INTERNATIO	XNAL PLUMBI	IG CODE AND P	WPE MANUFAG	TURER			ECTIONS R MENT SHO								wc.o. <b>⊢</b>	WALL CLEANOUT	P-4	PLUMBING FIXTURE
	COMPLE NOT SH	THE TESTED AND RE DWN OR SPECIFIED, ATION AND FOR FUI SHALL FORM PART	ADY FOR OF BUT NECES	ERATION, MING SARY FOR THE IND OPERATION	UK DETAILS PROPER LOF THE	E)	ALL SANITA CEILING CO	RY SEWER AN WCEALED SH	ID WASTE LINE ALL BE FULLY IN N. VAPOR SEAL MANUFACTURE	S SUSPENDER ISULATED W	D AND/OR TH 3/4" THICK IND JOINT	29. PLUM ROUG INDIC	IBING CON SHING IN A CATED ON	ITRACTOR VID SHALL THESE DRA	SHALL I INSTAL	HROVIDE	ALL NEC UMBING I	ESSARY HXTURES	5			Ξē-	BALL VALVE	Q	FIRST/ OR SECOND STAGE REGULATOR
	SYSTEM	SHALL FORM PART CTOR	OF THE WO	RK TO BE DONE	BY THE									QUIRED OF						_			PRESSURE REDUCING VALVE		
	CONDIT	S SHALL VISIT THE S ONS AS THEY ACTU	ALLY CHICK	AND REDIEN DW	(CHOIONG	17. ALL A)	RETURN AI	NITARY SEW R PLENUM AN	ER VENTILATIO D EXPOSED VEI WPUING OR CO	V SHALL BE A VTILATION SH PPER D W	S FOLLOW: IALL BE CAST	THE A	APPROVAL	OF THE AF	RCHITEC	CT.							CHECK VALVE THERMOSTATIC VALVE		
•	LOCATI WILL BE	ONS AS THE FACTO WS AND DETAILS R THE ONLY OPPORT SITE. FAILURE TO	EQUIRED TO UNITY FOR P	COMPLETE THE OTENTIAL CON	WORK, WHICH TRACTORS TO	В)	UNDERGRO USE PVC (A	STM D1785/D	ER VENTILATION D EXPOSED VEI OUPLING OR CO OTHER INSTAL (665) SCHEDULE L BE IN FULL CO	LATION EXCE 40/DWV	PT AS ABOVE	31. BEFO SHAL	DRE START	TNG CONS THE EXACT REMAIN IN ION SHOW	TRUCTI LOCAT	ION, THE TION AND	PLUMBIN	GONTR	ACTOR XISTING			-6-	SOLENOID VALVE		
		SITE. FAILURE TO THE SUCCESSFUL MING ALL WORK RE				C)	ALL INSTAL INTERNATIO		L BÈ IN FULL CO IG CODE AND F	MPLIANCE W	NTH THE CTURER		LINES TO . NFORMAT	REMAIN IN ION SHOW ECT FOR R	USE AN N ON TH	VY SIGNIF HESE DRA	AWINGS S	SCREPAN HALL BE CATION	ICY WIT. NOTIFIE	Ð		н.в.+	HOSE BIBB		
-	CONTRA	CT. VISITS TO THE H THE OWNER.	PROJECT AR	TEA SHALL BE A	RRANGED	18. CLE			ORE THAN 50 F	EET APART.		32 ALL 6		R LINES SH	ALL BE	INSULAT			KCLOS	ED		W.S. O S.S. O	WASTE STACK SANITARY / SOIL STACK		
	9. PROVID	E ACCESS FOR OPE IG VALVE. ACCESS	RATION AND		TO EVERY	19. THE	PLUMBING	CONTRACTOR	SHALL COORD	INATE HIS/HE				W. (SIMILA)			) ERIAI ANI	بعالم	MRINC			s.s. o v.s. o	SANITARY/SOIL STACK VENTILATION STACK		
	10. THE CO.	ITRACTOR SHALL, V	MTHOUT EXT	RA CHARGE, M.	AKE	SLE INS	THE WORK V EVES AT SL TALLATION.	ABS OR BEAM	ERAL CONTRAC S FOR PIPING L	AYOUT AND F	NUTURES	AND	CONTRAC	INGS, ACC. ALL BE AS I T SPECIFIC	ATIONS	S. EQUAL	OR SIMIL.	AR SHALL	RAWING L BE ON	S Y		W.R.O	WATER RISER		
-	REASO	ABLE MODIFICATIO T CONFLICT WITH V ION OF THE WORK.	NS IN THE LA	YOUT, AS NEED	ED. TO	20 411	EIYTURES S	HALL BE INST R SPECIFICAT	ALLED IN ACCC	RDANCE WIT	H THE	ACCE	EPTED IF P	REVIOUSL	Y APPR	CONDITI	THE ARC	HITECT.	CEDATI			R.L. 😁	RAIN LEADER		
		ION OF THE WORK. CTOR SHALL LOCA' ENT WHICH MUST B	TE IN FULLY /	ACCESSIBLE PO	SITIONS ALL				IONS. CHEDULE ARE I TO COMPLY WIT	MINIMUM AND	SHALL BE	EQUII THRU	PMENTS S THE USE	HALL BE CI OF AN AIR HE EQUIPI	ONNEC GAP OF	TED TO V	VASTE OF DRAIN D	SANITAR EPENDIN	RY LINE IG ON TI	s HE		R.D. O F.S.	ROOF DRAIN FLOOR SINK		
		ENT WHICH MUST B				INC. OR	REASED AS AS SHOWN O	NECESSARY ON DRAWINGS	O COMPLY WIT	H CODE REQ	UREMENTS			HE EQUIPH								F.D. 🛛	FLOOR DRAIN		
		WATER HAMMER A ERGROUND COPPE ER AS INDICATED.				22. SIN LINE	GLE AND DO ES ONLY WH	UBLE TEES A	ND QUATER BEN CTION OF FLOI	IDS SHALL BE N IS FROM TH	E USED IN IE	WHIC:	H MAY PR	ODUCE CO V4" THICK (	NDENS	ATION DL	JE TO THE	FLOWC	E COLD	59		INS.	INSULATION		
												ARMA	4FLEX)									P.D. C.W.	PLANTING DRAIN COLD WATER		
-	"L"ASTM	OPPER PIPING ABOVE FINISH FLOOR ELEVATION SHALL BE TYPE 23. ALL HORIZONTAL PORTIONS OF WASTE OR SAT TM B-88, DIAMETER A S INDICATED. 30 DIAMETER OR LESS. 169 'DER FOOT FOR PIP					1/4" PER FOC	TFOR PIPES			OVERED AI ERTIFICATE								H.W.	HOT WATER					
						DIA	METER.					LICEN	PLUMBING NSED PLUI IBING COE	WORK SHA MBER IN FU	ALL BE D JLL CON	DONE ANI MPLIANCE	D SUPER WITH TH	/ISED BY IE INTER	A NATION	AL.		H.W.R.	HOT WATER RETURN		
_												PLUM	unio CUL	****								W.H.E.	WATER HEATER ELECTRIC		
"																									
2		AL NOTES																			3		ND & ABBREVIATIONS		
P-300	NOT TO SC	ALE'																			P-300	NOT TO S	CALE		

# SCHEDULES, GENERAL NOTES, LEGEND & ABBREVIATIONS NOTE: NOTE: CONTRACTOR CAN PROVIDE AN EQUAL TO ANY MANUFACTURER AND MODEL SPECIFIED WITHIN THIS DRAWINGS.







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Calle Monseñor J. Tarres Esquina Calle Valentin Peréz. Moca, PR 00676 Municipality of Moca PLAZOLETA DE ACTIVIDADES

**H**LE NAME

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J.A.S. J.A.S.

Ye, Jose A. Sancher Guadalupe ingeniero mecanico, Roenca 19802, contiño que any di preferioral que diseñó la tere matanzia en estas partes y las especificaciones expenditaciones capitades en las dispeticiones partes estas en las espectimicas y las especificaciones especialmente en las dispeticiones partes estas en las especimicas en especificaciones especialmente en las dispeticiones partes estas en las dispeticiones partes estas estas en las dispeticiones en las dispeticiones en espectimicas en las dispeticiones de las dispeticiones en escritaciones en las cumption calandamente en la las Nue, mantecanos canteríos estas que en las estas en las dispeticiones enternormentos y cumptiones al las estas en las dispeticiones en las estas estas estas en las estas estas en las estas estas en enternormentos y cumptiones que en empetica estas estas en las estas en enternormentos y cumptiones que estas enternos estas estas enternosas las Nue estas estas estas enternosas estas en las estas estas estas estas estas en enternos estas est Scale 05.12.2023 heel P-300 Project # Drawn by

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