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

Project Information

Project Name: Plaza Artes Teatrales (PR-CRP-000315)

Responsible Entity: Puerto Rico Department of Housing (PRDOH)

Grant Recipient (if different than Responsible Entity):

State/Local Identifier: Puerto Rico

Preparer: Elvelisse Figueroa Hernandez / Environmental Consultant

Certifying Officer Name and Title:

Certifying Officer Name	Title
Aldo. A Rivera Vazquez, PE	Director, Permits and Environmental Compliance Division
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María T. Torres-Bregón	Permits and Environmental Compliance Manager
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Janette I. Cambrelen	Permits and Environmental Compliance Specialist
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Pedro de León Rodríguez	Permits and Environmental Compliance Specialist
Javier Mercado Barrera	Permits and Environmental Compliance Specialist
Priscilla Toro Rivera	Permits and Environmental Compliance Specialist

Consultant (if applicable): Green Projects Environmental Consultants, LLC

Direct Comments to: PRDOH at environmentcdbg@vivienda.pr.gov

Project Location:

The Plaza de Artes Teatrales is located at the intersection of Autonomía Street and Luis Muñoz Rivera Street, in the Pueblo Ward of the Municipality of Canóvanas, PR 00729. The property is bounded to the North by Calle Palmer, to the South by Calle Luis Muñoz Rivera, to the East by Calle Autonomía, and to the West by Calle Calderón Mojica. The property covers 0.14 acres, equivalent to 5,227.2 sq ft. Following the typical layout of traditional urban centers, the Mayor's office and the church are adjacent to the plaza, reinforcing its character as a traditional urban center.

Parcel Id: 089-086-017-08

Coordinates: Lat. 18.378686, Long. -65.901594



Project Location (Aerial Image and Topographic Map)

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

The Puerto Rico Department of Housing (PRDOH) has established an agreement with the Municipality of Canóvanas (the "Subrecipient") under the City Revitalization Program ("Program"), which is part of the Community Development Block Grant for Disaster Recovery (CDBG-DR) initiative.

The proposed project will impact on an existing vacant lot with a footprint of approximately 0.14 acres (5,227.2 square feet). The lot was acquired through a public deed by the Municipality of Canóvanas. The lot is in the center of the town of Canóvanas. Being the traditional urban area, there are no setbacks.

BUILDING USE

The proposed project entails an open-air amphitheater area, a staging area, and storage space. The stage area comprises two hundred and fifty (250) square feet. The project will fully comply with Universal Design standards to guarantee access and enjoyment of the facilities. As existing levels will not be raised, excavation for foundations will be minimal (see S.O.W.). The design contemplates the mitigation and reduction of runoff to the city's existing stormwater system by using green areas as retention systems. Urban reforestation will be implemented for natural shading. The technical specifications and plans of the project detail the construction attributes, which the current Construction Code, PR Building Code 2018, has designed.

DESIGN STRATEGY

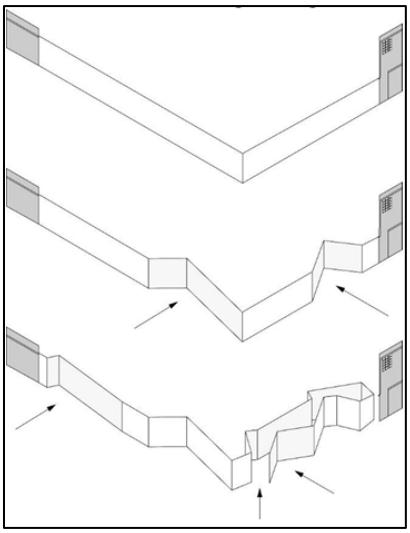
The design strategy's starting point is an urban wall that gives continuity to the place's urban façade. The heights of the structure are leveled with its adjacent structures. On the east, a balcony from the neighboring structure establishes the height level; on the north, an overhand establishes the urban wall height. The historical resemblance was contemplated as an inspiration for the design, considering the setbacks and efforts fulfilled by the municipality in the decade of the seventies for its official declaration. The project's height will not obstruct the facades of nearby eligible historic properties, including the Eugenio María de Hostos School and the Andrés Flores López School, ensuring that the architectural integrity of these landmarks is preserved.

INFRASTRUCTURE:

The proposed project will only require potable water and minimal energy for lighting. The design incorporates measures to mitigate and reduce runoff to the city's existing stormwater system by utilizing green spaces as natural retention systems. From an energy perspective, the lighting requirements will be kept to a minimum, ensuring efficiency. The project's technical specifications and plans outline the construction attributes, which are in full compliance with the current Construction Code, PR Building Code 2018.

URBAN WALL ALIGNMENTS

A. Wall articulation following existing conditions and proposed project entries.



B. South façade



Muñoz Rivera Street & Autonomía Street/PR-185 intersection

C. West façade



Autonomia Street

DEMOLITION AND CONSTRUCTION ACTIVITIES:

Demolition:

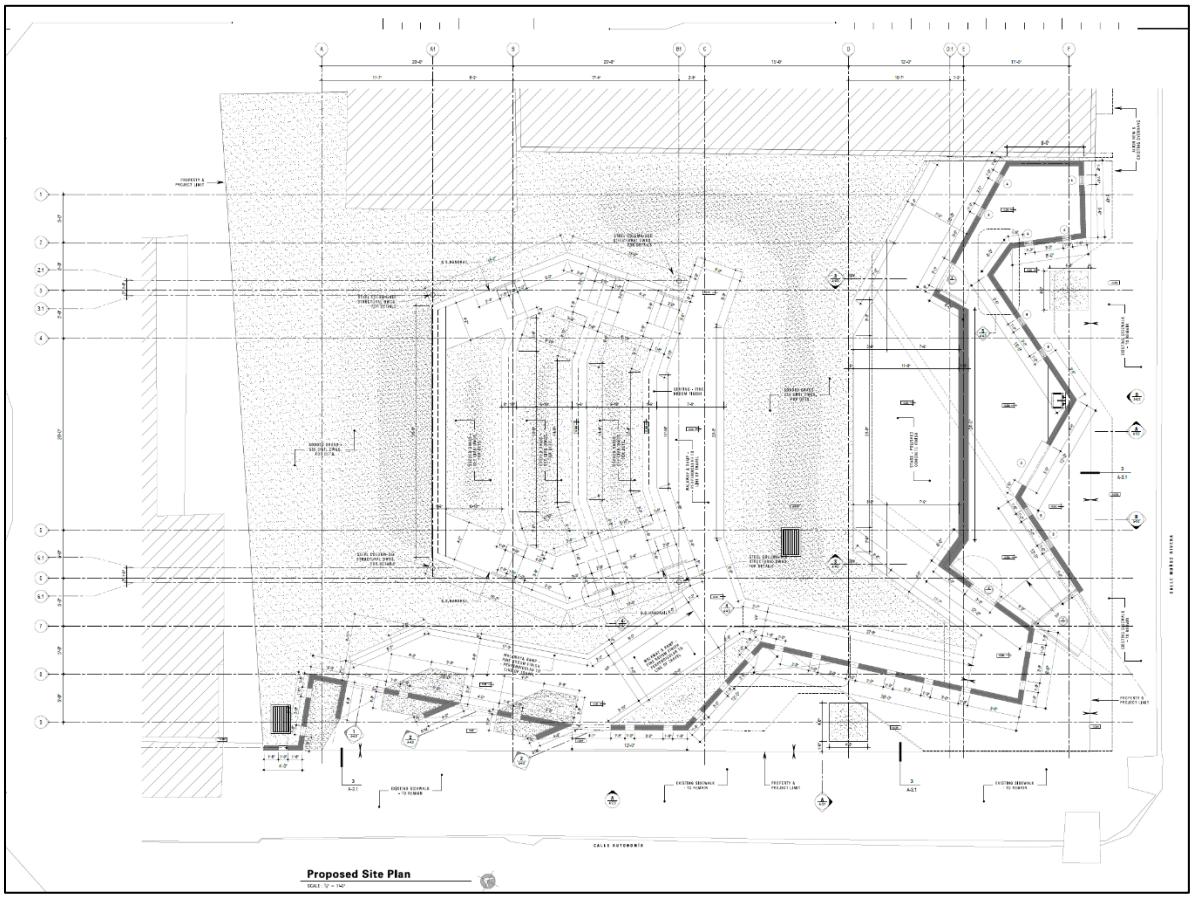
- Remove existing palm trees and ground cover.
- Remove existing concrete slabs on site.
- Removal of existing sidewalks within property limits.
- Shallow trench excavations through the site from Muñoz Rivera Street for utility connection at a depth of 3 feet.
- Shallow trench excavation for continuous wall footing (3.5 feet wide) and mat foundation per plans and specifications. These will be limited to 2 feet maximum in depth.

New Construction:

The proposed new construction activities will include all ground-disturbing work and structural installations. Excavation depths and construction specifications are provided below for each major activity:

- **Construction of Outdoor Amphitheater**: The amphitheater will be constructed in accordance with architectural plans and specifications. Excavation for foundations will be carried out to an approximate depth of 2 feet, with widths ranging from 1 to 5 feet, depending on the structural requirements. Additional grading and leveling may be required across the entire amphitheater footprint.
- **Construction of Concrete Perimeter Wall**: Excavation for the perimeter wall foundation will reach an approximate depth of 2.5 to 3 feet, with a consistent trench width of approximately 2 feet, as specified in the construction documents.
- **Construction of the Stage Area: The stage area will be constructed in accordance with the** plan and specifications. Foundation excavation will reach a depth of approximately 2 feet, with wider footings at structural load-bearing points, as needed.
- **Installation of Below-Grade Stormwater Drainage**: Below-grade stormwater drainage systems will be installed beginning from the center of the lot to Autonomía Street (PR-185), in compliance with civil engineering plans. Trenching for drainage lines will be conducted at depths of approximately 3 feet, with trench widths between 1 and 2 feet, based on pipe size and required bedding.
- **Shallow Trench Excavations for Utilities**: Shallow trench excavations will be performed across the site from Muñoz Rivera Street to allow for utility connections. These trenches will be excavated to a depth of 3 feet to accommodate electrical and plumbing lines, in accordance with the utility design specifications.
- **Electrical and Plumbing Utilities Connection**: All electrical and plumbing systems will be connected to the public infrastructure in accordance with engineering plans and specifications. Trenching and subsurface work will be conducted in accordance with utility provider standards.
- **Planting of New Trees and Ground Cover:** Ground-disturbing activities will also include the planting of new trees and ground cover. Tree planting will involve individual excavations approximately 2 to 3 feet deep and up to 3 feet wide, depending on species and root ball size.

PROJECT SITE:



Proposed Site Plan

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

This proposal aims to meet the needs of the adjacent arts school's youth sector by providing an appropriate space for cultural and recreational activities. Additionally, it offers the community in general a meeting place for artistic and cultural events that promote local identity and, potentially, foster interaction with international culture.

The construction of the amphitheater represents a valuable investment in the urban revitalization of the Municipality of Canóvanas. It will encourage the proper use of vacant lots within the urban core, helping improve local infrastructure and optimize underutilized urban spaces. Such projects benefit the youth sector and provide an accessible space for the entire population, promoting social cohesion and enjoyment of cultural and recreational activities.

Furthermore, urban reforestation is considered as a strategy to improve the quality of the environment and provide a more pleasant space for users during the day, enhancing the amphitheater experience as a place for recreation and leisure. Through this proposal, the aim is to add value to the municipality's cultural heritage and to the quality of life of its inhabitants, aligning with sustainable urban development policies.

The project is located on a property with an endowment rating, ensuring its use complies with the Urban Land classification. The design has been carefully developed, considering all necessary regulatory elements to be presented in a ministerial submission, ensuring its viability and compliance with local regulations.

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

The proposed project is in the urban core of the Municipality of Canóvanas, Puerto Rico, within a property classified as urban land. The surrounding area has historically been impacted by urban development, with the land predominantly reflecting characteristics typical of traditional urban centers.

At present, the site consists of vacant land, underutilized in terms of its potential for community engagement. The proposed amphitheater project seeks to revitalize this vacant space, transforming it into a cultural and recreational hub that addresses the needs of the local community, particularly the youth sector of the adjacent arts school. This redevelopment aligns with the broader trend of repurposing vacant properties within urban centers, ensuring the proper use of available land to provide cultural, social, and recreational benefits to the community.

An important aspect of the proposed development is the urban reforestation initiative, which aims to improve the environmental quality of the area by enhancing the green spaces surrounding the amphitheater. This strategy consists of modern urban development trends, prioritizing sustainability and the creation of healthier public spaces. It also addresses the increasing demand for green spaces in urban environments, enhancing the well-being of the community.

It is crucial to note that the proposed project will not result in the displacement of any disadvantaged or vulnerable communities. The site is currently uninhabited, and the project will utilize vacant land that is not in use by any residential or low-income communities. Therefore, there are no concerns regarding displacement or disruption of existing social structures. The project is designed to provide positive benefits to the community, particularly by offering a public space that will improve local infrastructure, encourage cultural and recreational activities, and foster social cohesion among residents.

In the absence of the project, the land would likely remain underutilized, contributing to the visual and functional degradation of the urban landscape and perpetuating the lack of quality public spaces in the urban center of Canóvanas. The absence of intervention could result in further environmental and social decline in the area, limiting opportunities for community development, especially for the local youth. Additionally, without an active reforestation and land recovery strategy, the chance to mitigate urban climate change effects and enhance the environmental health of the area would be lost.

Moreover, inaction could foster stagnation in the surrounding area, negatively impacting its appeal for future investment and maintaining a disconnect between the urban core and cultural or community life. In summary, without the project, the property and its surroundings would likely remain in a state of abandonment, depriving the community of valuable public resources and essential opportunities for social, cultural, and environmental development.

By focusing on optimizing vacant land in the urban center and investing in the creation of community-centered public spaces, the project aligns with current trends in urban revitalization. Furthermore, it contributes to the Sustainable Development Goals by providing an inclusive space for artistic, cultural, and recreational activities that enhance the quality of life for residents of Canóvanas.

Funding Information

Grant Number	HUD Program	Funding Amount
B-18-DP-72-0001	Community Development Block Grant – Disaster Recovery (CDBG-DR)- City Revitalization	8,220,783,000.00

Estimated Total HUD Funded Amount: $604,355.48

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: $604,355.48

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

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

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	**Are formal compliance steps or mitigation required?**	**Compliance Determinations**
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 and 58.6		
Airport Hazards 24 CFR Part 51 Subpart D	Yes ☐ No ☒	The closest civil and military joint airport to the Project is the Luis Muñoz Marín (SJU), approximately 20,000 feet Northwest of the Property. The measurements mentioned above were taken from the project's perimeter to the limit of the Airport's buffer zones (RPZ and APZ). The project location is outside, not within an Accident Potential Zone (APZ) or Runway Protection Zone/Clear Zone (RPZ/CZ). Therefore, the Project is in compliance with 24 CFR Part 51 Subpart D. **Refer to Exhibit 1. Airport RPZ/APZ Protection Zone Image**
Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes ☐ No ☒	The proposed project is not located within a Coastal Barrier Resources Unit. The CBRS Unit closest to the Project is PR-87, Punta Vacia Talega, situated to the Northwest of the Property at an approximate distance of 1.96 miles (10,342 feet). Therefore, the Project is in compliance with the Coastal Barrier Resources Act.

		Refer to Exhibit 2. Coastal Barrier Resources System Map and 2a. Punta Vacia Talega Unit PR-87 Map
Flood Insurance Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes ☐ No ☒	A FEMA Flood Insurance Rate Map (FIRM) shows the project is located outside a special Flood Hazard Area. https://msc.fema.gov/portal/home The project location is within Zone X (Area of Minimal Flood Hazard) in FEMA Firm 72000C0395J, effective 11/18/2009. Due to its zone designation, there is no need to obtain flood insurance for the site. Therefore, the Project is in compliance with the Flood Disaster Protection Act. **Refer to Exhibit 3. National Flood Hazard Layer FIRMette (72000C0395J)**
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 EPA's Green Book classified several municipalities in Puerto Rico as non-attainment areas or in maintenance for certain criteria pollutants, including lead, sulfur dioxide, and particulate matter. An area is considered an attainment area (designated "attainment/unclassifiable") if the air quality meets or exceeds the national air quality standards. The following municipalities, which are either in non-attainment or maintenance areas, are: Arecibo, Bayamon, Cataño, Guaynabo, Salinas, San Juan, and Toa Baja. The project site is in the Pueblo Ward, Canovanas, PR. It is not currently listed as an area of non-attainments in EPA NEPA Assist or another official regulatory webpage. The closest nonattainment area is approximately 9.31 miles (48,048 feet) West of the project site. The installation of generators or other equipment that affects or deteriorates air quality is not proposed. https://www.epa.gov/nepa/nepassist During construction, the primary expected emissions will consist of fugitive dust, emissions

		from portable electric generators used for power supply, and emissions from internal combustion engines in vehicles, trucks, and equipment. These emissions are temporary and are considered minor sources by the EPA and the Puerto Rico Department of Natural and Environmental Resources (DNER). However, several mitigation measures will be implemented to minimize these impacts: • All construction machinery and vehicles will undergo regular maintenance to ensure optimal performance and reduce exhaust emissions. Well-maintained equipment operates more efficiently and generates fewer pollutants. • The use of low-emission or electric construction equipment will be prioritized whenever possible to minimize air pollutants. This includes selecting generators that meet low-emission standards and using energy-efficient machinery to reduce overall emissions. • To further reduce vehicle emissions, efficient traffic management strategies will be implemented. These measures will minimize idling times, ensure that construction vehicles follow the most direct routes, and reduce congestion around the construction site. These preventive minimization strategies will help minimize the impact of emissions on air quality during the construction phase, ensuring that the temporary emissions remain within acceptable levels and comply with environmental regulations. Therefore, the Project is in compliance with the Clean Air Act. **Refer to Exhibit 4. Nonattainment Areas Map and 4a. List of Puerto Rico Nonattainment Areas**.

Coastal Zone Management Coastal Zone Management Act, sections 307(c) & (d)	Yes ☐ No ☒	The coastal zone boundary is approximately 0.92 miles (4,850 feet) Northwest of the Project. The project's construction does not affect the coastal zone as defined in the state's Coastal Management Plan. Therefore, the Project is in compliance with the Coastal Zone Management Act. **Refer to Exhibit 5. Coastal Zone Management Map**
Contamination and Toxic Substances 24 CFR Part 50.3(i) & 58.5(i)(2)	Yes ☐ No ☐	The subject property is a vacant, undeveloped lot with no history of commercial use. There are no landfills, dumping, or disturbed soil on the property or its adjoining lots. The soil remains undisturbed and shows no signs of water accumulation in areas subject to precipitation. The property is surrounded by commercial and institutional use properties. No hazardous substances or petroleum products were observed or reported, nor were any power generators, storage tanks, or drums present. No standing water, pools, or sumps containing potentially hazardous substances or petroleum products were observed during the site inspection. Additionally, no strong or noxious odors were detected on the property or surrounding area. No unidentified substance containers or containers holding hazardous substances or petroleum products were observed during the site visit. No visual signs of equipment likely containing PCBs were noted, and no HVAC systems or water heaters were reported. No corroded or stained metal containers, drains, or sump systems were found during the site inspection. No construction or demolition debris, solid waste, or signs of waste disposal (such as mounds or depressions) were observed. No stressed vegetation was noted on the property. There were no visible signs of wastewater discharge into drains, ditches, underground injection systems, or streams, either on or

		adjacent to the site. Additionally, no dry wells, irrigation wells, injection wells, abandoned wells, or on-site septic systems were observed. Finally, a review of standard environmental records revealed no evidence of recognized environmental conditions (RECs) associated with the property. Lead-based Paint (LBP) and Asbestos: The Project requires the demolition of the following components of the Plaza: • Remove and dispose of existing light post. • Remove and dispose of brass plaques. • Remove and dispose of existing sidewalk slab. • Remove of existing concrete pavement. • Remove and dispose of existing brass joints. • Remove and dispose of existing concrete stairs and ramps. • Move & relocate hose bib. • Remove and dispose of existing planter and related items. For this demolition, Inspector Yousev García Ramos, on January 30, 2023, certified the non-presence of these pollutants in the Project. Within a 3,000-foot radius measured from the Project perimeter, 21 locations are identified in NEPAssits with contamination and toxic substances. According to information from the Enforcement Compliance History Online (ECHO) database, the status of these sites is as follows: 19 have no violations identified, one has terminated permits, and one site has limited data available from ECHO. The toxic sites nearest the project area are the facility identified by the EPA as Pillsbury PR Inc and Escuela Luis Hernaiz Verone, located approximately 390 feet from the project boundary. Although the ECHO database offers limited information on this site, it is important to note that it is not listed on the National Priorities

		List (NPL) and has not been designated as a Superfund site. Given the distance (greater than 500 feet) of the A&P Probing Insulation Inc. facility from the project area, it is unlikely to have any adverse impact on the project. This assessment suggests that the potential risks associated with these toxic sites have been adequately addressed, and the project can proceed without concern for environmental contamination from the nearest toxic site. Regarding radon, the Puerto Rico Department of Housing (PRDOH) has determined that testing the property's radon levels is infeasible and impracticable. This conclusion follows consultations with several agencies, including the United States Geological Survey (USGS), the Centers for Disease Control and Prevention (CDC), the Puerto Rico Department of Health, and the United States Environmental Protection Agency (EPA). These agencies confirmed the lack of scientific data on radon testing in Puerto Rico, as well as the technical challenges involved. These challenges include a shortage of trained and professionally licensed personnel to collect samples, the unavailability of test kits, the high costs associated with testing, difficulties ensuring quality control of results, and the lengthy process required to purchase, ship, and analyze samples. Furthermore, local authorities in Puerto Rico lack the specialized equipment and trained personnel needed to perform radon testing and ensure proper quality control. Additionally, no certified radiation laboratory in Puerto Rico can conduct radon testing. Based on these factors, the PRDOH memorandum concludes that radon testing is not feasible for this property, and no further consideration of radon is required for the environmental review. Therefore, the Project is in compliance with the 24 CFR Part 50.3(i) & 58.5(i)(2).

		Refer to Exhibit 6. EPA NEPAssits – EPA Facilities MAP, 6a. ECHO Reports / 6b. Negative Certifications for the Presence of Asbestos and LBP / 6c. Asbestos Containing Building Material Inspection / 6d. Lead-based Paint Inspection / 6e. PRDOH Memorandum for Infeasibility and Impracticability of Radon Testing and 6f. Radon Memorandum Attachments.
Endangered Species Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402	Yes ☐ No ☒	Under Section 7(a)(2) of the Endangered Species Act (Act) (87 Stat. 884, as amended; 16 United States Code 1531 et seq.), and in accordance with the Fish and Wildlife Coordination Act (47 Stat. 401, as amended; 16 U.S.C. 661 et seq.), it is required to determine the effect of the project on protected (listed or proposed) threatened or endangered species. Using the Information for USFWS Planning and Consultation (IPaC) System, it has been determined that the proposed project lies within the range of the following federally listed species and critical habitat • *Reptiles:* o *Chilabothrus inornatus (Puerto Rican Boa)/ Status: Endangered* The U.S. Fish and Wildlife Service, Caribbean Ecological Services Field Office, developed a Blanket Clearance Letter in compliance with the Endangered Species Act of 1973, as amended, and the Fish and Wildlife Coordination Act for federally funded projects. The Plaza Artes Teatrales Project meets the following criteria: • Demolition of dilapidated single-family homes or buildings; provided that the demolition debris is disposed of in certified receiving facilities; equipment storage or staging areas are not located on vacant property harboring a wetland and/or forested vegetation. • Construction of electric underground systems in existing towns and communities, provided that the property is not a wetland area and the

		lighting associated with the facilities is not visible directly or indirectly from the beach. • Construction of facilities on vacant properties covered with grasses in urban areas, provided that the lighting associated with the facilities is not visible directly or indirectly from the beach. Through a letter dated December 30, 2024, the USFWS submitted the Self-Certification for the project and concluded that it is in compliance with the Blanket Clearance Letter for the Endangered Species Act of 1973, as amended, and the Fish and Wildlife Coordination Act. **Lighting Effect on the Beach:** The luminaires specified for the entire sidewalk surrounding the project will use 21-Watt LED lamps with 710 Lumens at approximately 9.8 feet in height. According to the Isolux diagram of the specified product, only one (1) lux will be visible at 8 meters from the center of the lamp. Since the project is located approximately 4.5 miles (23,514 feet) from the nearest coastline, Mr. Julian Manríquez Botello certifies that the specified luminaires do not provide any lighting that affects the coasts of Puerto Rico and will not be visible from the coast. Therefore, the Project is in compliance with the Endangered Species Act. **Refer to Exhibit 7. USFWS Endangered Species Act Certifications – December 2024, Exhibit 7a. USFWL Blanket Clearance Letter for Federally Sponsored Projects, Housing and Urban Development, and Exhibit 7b. USFWLS Self Certification Package 7c. Certification that the lighting associated with the facilities is not visible directly or indirectly from the beach.**
Explosive and Flammable Hazards 24 CFR Part 51 Subpart C	Yes ☐ No ☒	There are inherent potential dangers associated with locating HUD-assisted projects near hazardous facilities that store, handle, or process hazardous substances of a flammable or explosive nature. Project sites located too close to facilities handling, storing, or processing conventional fuels, hazardous gases, or chemicals of an explosive or

		flammable nature may expose occupants or end-users of a project to the risk of injury in the event of a fire or explosion. However, the proposed project does not include development, construction, or rehabilitation activities that would increase residential density or its conversion. It also does not include a hazardous facility (a facility that mainly stores, handles, or processes flammable or combustible chemicals, such as bulk fuel storage facilities and refineries). Therefore, the Project is in compliance with the 24 CFR Part 51 Subpart C.
Farmlands Protection Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658	Yes ☐ No ☒	According to the Web Soil Survey (WSS), the project area is in the Humacao Area, Puerto Rico Eastern Part. A WSS soil interpretation report was conducted to classify farmland and assess map units under the Farmland Protection Policy Act (FPPA). The report indicates that 100 percent of the project footprint, identified as Map Unit: Urban Land, is classified as non-prime farmland. Additionally, the project area falls within a designated urban zone, as delineated by the US 2020 Census Map. Therefore, we conclude that this area is not subject to the regulations of the Farmland Protection Policy Act (FPPA). Therefore, the Project is in compliance with the Farmland Protection Policy Act. **Refer to Exhibit 8. WWS Farmland Classification, 8a. US 2020 Census Urban Area**
Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55	Yes ☐ No ☒	According to Advisory Base Flood Elevation (ABFE), issued on April 13, 2018, the project is located outside the limits of the recommended flood maps. According to the Flood Insurance Rate Map (FIRM), effective November 18, 2009, the project is in Flood Zone X (FIRM Map number 72000C0395J).

		The Preliminary FIRM (PFIRM) Map is unavailable for the Project Area. The project will not undergo activities within a floodplain. Therefore, the Project is in compliance with the Floodplain Management Act. **Refer to Exhibit 3 National Flood Hazard Layer FIRMette and Exhibit 9. Advisory Base Flood Elevation Map (ABFE) Map (JP)**
Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	Yes ☒ No ☐	For the Project, archaeologists Tamara Gonzalez (SOI-Qualified Archaeologist) and Cristina Montenegro (SOI-Qualified Architect/Architectural Historian) conducted historical archaeological and architectural evaluations of the property. The evaluations concluded the following: • No Adverse Effect if the following recommendations are followed: Archaeological Supervision to identify possible archaeological deposits or elements in the APE during construction. In a letter dated December 17, 2024, the State Historic Preservation Office (SHPO) executive director Mr. Carlos A. Rubio indicates the following: *"After a review of all the documentation, the PRSHPO concurs with your determination that the proposed project will have no adverse effect on historic properties for this undertaking conditioned to a archaeological monitoring during all ground disturbing activities for the project. An archaeology monitoring work plan must be summited to PRSHPO for its review and concurrence before any works initiates."* The archaeological monitoring plan was prepared by Archaeologist Imandra Martínez Castañeda(Plexos Group), assisted by Archaeologists Larissa García- Cabrera, in April 2025 and approved by the State Historic Preservation Office (SHPO) in correspondence

		dated April 24, 2025, issued by the State Historic Preservation Officer, Mr. Carlos A. Rubio Cancela, stating the following: *"The plan is deemed acceptable, and we concur with its implementation. Please notify the PRSHPO of the archaeological monitoring start date 48 hours prior to the initiation of work."* Therefore, the Project is in compliance with the National Historic Preservation Act. **Refer to Exhibit 10. SHPO-CF-11-24-24-05 CRP-000315 (Canovanas), 10a. Section 106 NHPA Effect Determination Form 10b. Archaeology Monitoring Work Plan**
Noise Abatement and Control Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B	Yes ☒ No ☐	The proposed undertaking consists of the development of a public-use open-air amphitheater, with a staging area and storage space, on a 0.14-acre (5,227.2 square feet) vacant lot located in the urban center of Canóvanas, Puerto Rico. The properties surrounding the project area are primarily for commercial use. According to HUD environmental review guidelines, noise-sensitive uses include residential housing, schools, hospitals, and other facilities where long-term exposure to noise may impact human health and quality of life. The proposed project, although located in a central urban setting, is designed as a recreational and cultural facility that will not introduce permanent residential or institutional uses. The structure is primarily open-air, non-habitable, and limited to community and cultural functions. A review of the project location confirms that the site is within the 15-mile radius of a civil and military airport, but it is not located within 1,000 feet of major highways or busy roads, nor within 3,000 feet of a railroad. The project site is approximately 6.79 miles (35,851 feet) from the Luis Muñoz Marín International Airport (SJU) in San Juan, 0.37 miles (1,327 feet) from PR-3 Highway, and 9.97 miles (52,630 feet) from the San Juan Urban Train system. While this proximity falls within HUD's defined airport

		influence radius, the project does not involve the development of residential, medical, or educational facilities that would be considered sensitive receptors to aircraft noise. The surrounding area is characterized by urban, commercial, and municipal uses typical of a town center. Per 24 CFR 51.101, HUD's general policy is to protect citizens against excessive noise in residential and institutional environments. The ASA/ANSI S12.9, Part 4 noise assessment protocol applies primarily to long-term habitable structures or areas planned for residential development. Because this project is an outdoor community facility without permanent residential occupancy, the protocol is not applicable, and a formal noise study is not required. Construction-related noise will be temporary and primarily associated with heavy equipment, machinery, and vehicle operation during site preparation and installation. These activities will comply with standard best management practices, including limiting noisy activities to daytime hours, ensuring equipment is maintained correctly, and training workers on noise minimization practices. Once operational, the PV systems and associated battery energy storage systems (BESS) produce minimal noise, largely limited to inverter equipment, which does not exceed HUD's Noise Assessment Guidelines (65 DNL threshold). During the operation or when events are held at the amphitheater, the following mitigation measures will be implemented to reduce the noise impact on surrounding communities: • Specific hours will be defined to avoid affecting nearby residents and businesses. • Surveillance personnel will be assigned to monitor the noise levels during events and take corrective actions if the sound exceeds the established limits.

		• A system will be established where neighbors can file noise complaints, allowing authorities to take immediate action if the disturbance level is high. • The use of acoustic insulation technologies will be encouraged, directing the sound towards the audience and not towards residential areas Therefore, the project does not involve noise-sensitive uses, is not subject to significant external noise sources, and will not result in noise impacts exceeding HUD standards. The project is in compliance with the Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978, and 24 C.F.R. Part 51, Subpart B. **Refer to Exhibit 11. Image with Project distance to Roadways, Railroads, and Airports.**
Sole Source Aquifers Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149	Yes ☐ No ☒	The proposed project site consists of new open-air amphitheater construction; however, it is not located within a Sole Source of Aquifers and will not directly or indirectly impact one. There are no Sole Sources of Aquifers in Puerto Rico. https://www.epa.gov/dwssa (SSA Locations) https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=9ebb047ba3ec41ada1877155fe31356b A we EPA-designated sole-source aquifer does not serve the project, is not located within a sole-source aquifer watershed, and would not affect a sole-source aquifer subject to the HUD EPA Memorandum of Understanding ("MOU"). The Puerto Rico Aqueduct and Sewer Authority (PRASA) provides drinking water for the area. Therefore, the Project is in compliance with the Safe Drinking Water Act. **Refer to Exhibit 12. Sole Source Aquifers Map**
Wetlands Protection	Yes ☐ No ☒	The proposed project site consists of a new open-air amphitheater; however, it is not

Executive Order 11990, particularly sections 2 and 5		located within a Wetlands and will not directly or indirectly impact a wetland. The wetlands maps are available at: https://www.fws.gov/wetlands/data/Mapper.html. The Project Activity will not affect any wetlands. Therefore, the Project complies with the Executive Order 11990. **Refer to Exhibit 13. USFWS National Wetland Inventory Map (U.S. F&WLS)**
Wild and Scenic Rivers Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	Yes ☐ No ☒	The proposed project site consists of new open air amphitheater construction; however, it is not located within Wild and Scenic Rivers and will not directly or indirectly impact one. The Wild and Scenic Rivers in Puerto Rico are located in the El Yunque National Forest, approximately 9.01 miles (47,572.8 feet) West of the Project. These rivers include La Mina River, Icacos River, and Mameyes River, with the Icacos River being the closest to the Project. https://www.arcgis.com/apps/mapviewer/index.html?layers=a37eb56966cc4b11b69909e288414e53 The Project is in compliance with the Wild and Scenic Rivers Act. **Refer to Exhibit 14. Wild and Scenic Rivers Map**
ENVIRONMENTAL JUSTICE		
Environmental Justice Executive Order 12898	Yes ☐ No ☒	On January 21, 2025, President Donald Trump issued the Executive Order 14173 titled "Ending Illegal Discrimination and Restoring Merit-Based Opportunity", which revoked Executive Order 12898 and eliminated federal mandates requiring agencies to assess environmental justice impacts. Consequently, there is no longer a federal requirement to address environmental justice concerns in the compliance review process.

Environmental Assessment Factors [24 CFR 58.40; Ref. 40 CFR 1508.8 &1508.27]

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

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

(1) Minor beneficial impact
(2) No impact anticipated
(3) Minor Adverse Impact – May require mitigation
(4) Significant or potentially significant impact requiring avoidance or modification which may require an Environmental Impact Statement

Environmental Assessment Factor	Impact Code	Impact Evaluation
LAND DEVELOPMENT		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	1	The designation of the property as "Dotacional" (D) and "Suelo Urbano" (SU) aligns with zoning policies aimed at fostering developments that serve public or community functions. The "Dotacional" classification is intended to ensure that the land is used for facilities and services that benefit the public, such as recreational, cultural, educational, or civic structures. These types of uses are generally considered complementary to the urban environment, improving the quality of life for residents by providing spaces for leisure, education, and social interaction. The project, which comprises an open amphitheater, stage, and storage area, aligns with the objectives of these land-use classifications. It will provide cultural and recreational opportunities for the population of Canóvanas, encouraging community participation and enhancing public space. The amphitheater, in particular, serves as a venue for cultural events, performances, and social gatherings, thereby contributing to the vibrancy of the area.

		In terms of urban design, the project's design respects the scale of the surrounding area and seamlessly integrates into the existing urban fabric. This means that the design of the amphitheater and its surroundings complements the architecture and urban design of Canóvanas, preserving the overall aesthetic while ensuring functionality. The open nature of the amphitheater suggests that it will be an accessible, community-oriented project, which aligns with the goals of promoting public spaces that enhance social cohesion. Furthermore, the zoning of the project within the "Suelo Urbano" (SU) category highlights its suitability for this type of development. The SU classification allows for the construction of various facilities, including recreational and public service structures, which aligns well with the objectives of this amphitheater project. This zoning also indicates that the project has been planned to contribute positively to urban development in Canóvanas, ensuring that it supports the municipality's overall urban planning strategies. In conclusion, this project adheres to the principles of compatible land use and urban design, and it is a positive addition to the Municipality of Canóvanas, as it provides a public facility that benefits the community in multiple ways.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	The site is not affected by unsuitable soil conditions, as confirmed by field inspections and the absence of common soil issues such as cracking, settling, or foundation problems in the surrounding neighborhood. The compacted soil and relatively flat topography (0-6% slope) reduce the likelihood of soil instability, which is a critical factor in ensuring the longevity and safety of the project. Urban soils, typically less suited for farming or forestry, are appropriate for developments like this, which have minimal impact on the natural environment due to their compact nature. With a relatively flat slope of 0-6%, the site does not pose significant risks related to erosion or sedimentation. The minimal slope decreases the likelihood of runoff or soil displacement, common concerns in more hilly areas. The lack of visible erosion, rills, or gullies further demonstrates the site's stability. By designing a project that maintains the existing topography, the potential for disturbing the soil or contributing to erosion is minimized. The project includes the construction of a rainwater management system to address drainage and stormwater

		runoff. This system will be designed to handle runoff effectively, ensuring that water is managed in accordance with municipal regulations. By integrating this system with the existing drainage infrastructure for the larger community, the project will contribute to the overall management of stormwater in the area. Proper management will prevent water from accumulating and potentially damaging the site or surrounding areas. As part of the environmental precautions, the project will incorporate erosion control measures, such as landscaping and pavement in green areas, which will help prevent sediment from reaching the streets. These measures will ensure that the project does not adversely affect the local environment, particularly concerning soil erosion or the transportation of sediments into public areas. Furthermore, by obtaining the necessary permits for earth movement and construction, the project demonstrates adherence to environmental guidelines and regulatory requirements. In conclusion, the project is designed carefully considering environmental factors such as soil suitability, slope, erosion, drainage, and stormwater runoff. By implementing proper management systems and control measures, the project ensures minimal environmental disruption, providing a safe and sustainable development for the community of Canóvanas.
Hazards and Nuisances including Site Safety and Noise	2	The property where the Project is proposed is not located in areas with risks related to volcanoes, landslides, fire hazards, droughts, flooding, cliffs, bluffs, crevices, wind, sandstorms, hazardous terrain, or poisonous plants, insects, and animals. Additionally, the site is not in proximity to man-made hazards, including, but not limited to: recreational areas adjacent to high-traffic freeways, dangerous intersections, the inadequate separation between pedestrian and vehicle traffic, hazardous cargo routes, unfenced railroads or highways, unfenced bodies of water, unfenced construction sites, areas of shade, inadequate street lighting, uncontrolled access to lakes and streams, improperly screened drains or catchment areas, quarries or other excavations, dumps or sanitary landfills, mining sites, reclaimed phosphate land (radioactive), hazards in vacant lots, chemical tank-car terminals, other hazardous chemical storage facilities, high-pressure gas or liquid petroleum transmission lines on site, overhead transmission lines, oil or gas wells, industrial operations, or emissions such as gas, smoke, or fumes.

		There are also no activities on or near the property that generate air pollution, such as heavy industry, incinerators, power plants, rendering plants, fugitive dust, cement plants, large parking facilities (1000 or more cars), heavily traveled highways (6 or more lanes), or oil refineries. No nuisances have been identified in the property or its surroundings that could affect the people, such as gas, smoke, fumes, odors, vibrations, glare from lighting from industrial or commercial uses or parking lots, vacant or boarded-up buildings, unsightly land uses, front lawn parking, abandoned vehicles, or vermin infestation. Regarding noise generation: While the proposed amphitheater is designed to provide cultural and recreational benefits to the community, it is important to acknowledge that sound generated by events, such as performances or gatherings, can potentially impact the surrounding area. Noise from music, speeches, or large crowds could affect nearby residents or businesses, particularly during evening or weekend events. Several measures can be implemented to mitigate these potential noise impacts, such as installing sound barriers, such as walls and landscaping, to help reduce the amount of noise escaping from the amphitheater. These barriers will direct sound away from residential or commercial areas, minimizing disturbance. Additionally, acoustic design considerations will include the use of equipment that optimizes the direction of sound. Event hours will be limited, noise levels will be monitored, and the community will be kept informed about the schedule of events. By implementing these mitigation measures, the project can reduce potential noise impacts and create a more harmonious balance between the amphitheater's activities and the surrounding community. This will ensure that the amphitheater serves as a positive space for cultural enrichment without causing significant disturbances to the residents. Noise levels during construction activities will vary depending on the machinery used, the type of work being performed, and the site-specific conditions. To mitigate the impact, the following measures will be implemented: using quieter equipment or machinery with noise-reduction features, scheduling construction activities during daytime hours to minimize disturbance to nearby residents and maintaining machinery to ensure optimal performance.

		The project site does not present logistical challenges for the contractor. Therefore, no additional hazards or nuisances are anticipated beyond typical construction projects. However, the contractor will be required to maintain a safe on-site and off-site environment, complying with all safety and environmental regulations set forth by authorities such as OSHA, EPA, and DNER. During construction, all activities will be limited to the approved operating hours per the project permits. Neighbors will receive advance notice of construction schedules. Construction vehicles will not block access to existing residences and will be parked in designated spaces within the project site. Additionally, construction debris and garbage will be collected regularly and properly disposed of.

Environmental Assessment Factor	Impact Code	Impact Evaluation
SOCIOECONOMIC		
Employment and Income Patterns	1	The construction of the amphitheater in the Municipality of Canovanas will generate temporary and long-term employment opportunities, contributing to the local economy. During the construction phase, diverse professionals, including engineers, architects, and consultants, will be required to perform design and inspection tasks. Additionally, specialized trades such as builders, masons, plumbers, electricians, and other skilled workers will be essential. Administrative and human resources staff will also be employed. The project will likely hire personnel from the local community with relevant construction experience or skills in specialized services, which could help address local unemployment rates and foster economic growth. Moreover, the project could increase the demand for temporary labor and attract workers from nearby areas, providing an economic boost to the region. The contractor may also implement a mentorship program to help local individuals acquire the necessary skills and experience to secure long-term employment in the construction industry. This initiative could be a key factor in creating a skilled workforce contributing to future development projects, fostering sustained economic benefits for the community.
Demographic Character Changes, Displacement	2	The Municipality of Canóvanas has a population of 41,513, according to the 2020 U.S. Census Bureau data. Of this population, approximately 19.9% are 65 years old or older, and 16.7% are under 18. The population is predominantly

		Hispanic or Latino, comprising 99.9%, while White individuals represent 21.5% of the population. Housing in the area is generally owner-occupied, with a median gross rent of around $578, which is below the national average. Additionally, about 91.5% of households have access to a computer and/or broadband subscription, which aligns with the national average of 78%. The construction of an amphitheater on a vacant lot in Canóvanas will have a relatively short construction timeline, and it is expected to primarily rely on local labor for the project. Given that the property is currently vacant, there is no anticipated risk of physical, social, or psychological displacement of residents. As the project involves an unused lot, it is not expected to lead to significant gentrification or cause major changes to property values or rents in the surrounding area. The project is unlikely to result in any displacement, and no substantial shifts in the demographic composition of the neighborhood are foreseen. While enhancing the community's infrastructure and providing a cultural and recreational space, the proposed amphitheater is not aimed at isolated low-income or disadvantaged populations. Instead, it seeks to integrate into the broader community and provide inclusive benefits to all residents, regardless of socioeconomic status. The development will likely revitalize vacant land, improving the local area by reducing urban blight and offering a public venue that enhances community engagement. In conclusion, the proposed amphitheater project is expected to positively and non-disruptively impact the local community. It will contribute to long-term stability by enhancing public spaces and will not cause the displacement of residents or significantly alter the area's demographic makeup.
Environmental Justice	2	On January 21, 2025, President Donald Trump issued the Executive Order titled *"Initial Rescissions of Harmful Executive Orders and Actions,"* which revoked Executive Order 14008 and eliminated federal mandates requiring agencies to assess climate change impacts. Consequently, there is no longer a federal requirement to address climate change concerns in the environmental compliance review process.

Environmental Assessment Factor	Impact Code	Impact Evaluation
COMMUNITY FACILITIES AND SERVICES		
Educational and Cultural Facilities	1	The construction of an amphitheater in the urban area of the Municipality of Canóvanas could have a positive impact on educational and cultural facilities, contributing to the municipality's efforts to enhance access to community resources and support cultural and educational growth. The amphitheater, as a cultural and recreational venue, would complement the municipality's existing educational and cultural infrastructure, offering additional space for events, performances, and educational programs that could benefit both schools and the broader community. Canóvanas is home to various educational institutions, including 18 public schools (12 elementary, 2 middle schools, 2 high schools, and 2 combined elementary and middle schools), along with several private schools and childcare centers. The municipality also hosts the Head Start Program, which provides early childhood education to vulnerable families. By providing a public venue for events such as school performances, educational workshops, and community-based cultural programs, the amphitheater could become a valuable resource for local educational institutions. It would give students the opportunity to engage in live events, school performances, and artistic programs, enhancing their learning experiences outside the traditional classroom setting. Additionally, the amphitheater could serve as a venue for educational outreach activities that bring local schools together with community organizations, promoting cross-generational learning and fostering an appreciation for the arts and culture. The Municipality of Canóvanas already has several cultural institutions, including the Casa Jesús T. Piñero, the Sala de Historia Sergio E. Calzada Rivera, and the Centro de Arte y Cultura, as well as several community centers. While these existing facilities are valuable resources, the addition of the amphitheater would not overwhelm them. Instead, it would support their functions by offering an additional venue for large community events, performances, and cultural celebrations, particularly events that require an outdoor setting or can host a larger audience. The amphitheater could alleviate some of the demand on these spaces and create opportunities for collaboration, enriching the cultural

		landscape and providing new opportunities for both educational enrichment and community engagement. In conclusion, constructing an amphitheater in Canóvanas will positively impact educational and cultural facilities by enhancing the municipality's ability to host large-scale educational, cultural, and artistic events. It will provide an accessible, inclusive space for residents and students, contributing to the community's long-term cultural vitality and educational development.
Commercial Facilities	1	The construction of an amphitheater in the Municipality of Canóvanas's urban area could positively impact commercial facilities, further strengthening the local economy and supporting existing businesses. The project is located within the town's urban center, surrounded by a variety of commercial properties such as local grocery stores, bakeries, gas stations with convenience stores, as well as a wide range of services, including banks, tire centers, supermarkets, restaurants, cafes, pharmacies, health clinics, schools, and professional services—all within a short distance from the site. The introduction of the amphitheater is expected to attract additional consumers, including visitors, residents, and event attendees, which will likely increase foot traffic in the area. This influx of people can benefit local businesses, including restaurants, cafes, supermarkets, and convenience stores, as visitors will likely stop by to purchase food, beverages, and other goods. As the amphitheater will host cultural events, performances, and community gatherings, it will generate opportunities for surrounding commercial establishments to benefit from increased sales and exposure. Furthermore, the amphitheater will not adversely affect or displace existing retail or commercial services. On the contrary, the development will complement the existing commercial ecosystem by fostering a vibrant, mixed-use environment that attracts residents and visitors. The project could even provide opportunities for collaboration between businesses and the amphitheater, such as partnerships for events, promotions, or vendor spaces, thus supporting local entrepreneurship and economic growth. In conclusion, the construction of the amphitheater is expected to positively impact commercial facilities by increasing consumer traffic and offering opportunities for local businesses to thrive. The project will enhance the commercial viability of the area without displacing or

		negatively impacting existing retail or service providers, further contributing to the economic vitality of Canóvanas.
Health Care and Social Services	2	The construction of an amphitheater in the urban area of the Municipality of Canóvanas is expected to have a positive impact on healthcare and social services in the region, both directly and indirectly. Several mental health service providers are conveniently located near the proposed development, offering a range of services such as outpatient counseling, support groups, and substance use treatment programs. These services, which are vital for addressing the mental health needs of the community, especially in the wake of disasters like Hurricanes Irma and María, will be complemented by the presence of the amphitheater. Cultural events hosted at the amphitheater could provide a venue for mental health awareness campaigns, wellness activities, and community-building initiatives, further promoting social well-being and healing within the population. The Municipality of Canóvanas is well-served by healthcare centers, and ambulance services are available to ensure timely access to care for both project residents and visitors. The municipality also offers collective transportation (trolley), which can be coordinated to serve users of the amphitheater, ensuring convenient access to healthcare services. In the case of emergencies, ambulance routes avoid rail crossings, ensuring that patients can reach healthcare facilities within 20-30 minutes—a reasonable travel time for rural or suburban areas, with the potential to be reduced to under 15 minutes in urban areas. Importantly, the amphitheater project will not significantly impact on the healthcare system or increase the demand for services. As a cultural facility, the project will not result in the displacement of families into Canóvanas, meaning that it will not cause an influx of new residents that could strain local health services. Instead, it will contribute to the community's social and emotional well-being, helping to build stronger social connections and a healthier community. In conclusion, the amphitheater will support the healthcare and social services framework of Canóvanas by promoting mental health awareness, providing opportunities for community engagement, and supporting the existing infrastructure of healthcare facilities. It will enhance access

		to services, primarily through its potential role in promoting community outreach and collaboration with social service providers, all while not overburdening local healthcare systems.
Solid Waste Disposal / Recycling	3	The construction and operation of an amphitheater in the urban center of Canóvanas, Puerto Rico, presents both challenges and opportunities for implementing effective solid waste management (SWM) and recycling practices. This analysis aims to examine the potential waste generation during both the building phase and the ongoing operations of the amphitheater, as well as strategies for minimizing the environmental impact of these activities. During the construction of the amphitheater, various types of solid waste will be generated depending on the materials used and the project's scope. Typical construction waste includes concrete and cement waste, which result from surplus materials or accidental spills during mixing; wood and lumber scraps, often produced during scaffolding construction or the use of temporary structures; steel and metal scrap from the fabrication of structural elements; packaging waste, such as plastic and cardboard from packaging construction materials; and excavation waste, including earth, rocks, and gravel displaced during site preparation. Proper management of these materials is essential to avoid soil contamination, water pollution, and overloading landfills. To address the waste generated during construction, several strategies should be implemented. First, segregation at the source is vital—providing separate waste containers for different types of waste (e.g., metals, wood, concrete) will make recycling easier and prevent contamination. Second, reusing materials, such as wood, steel, and even concrete can significantly reduce waste and minimize the demand for new materials. Recycling should also be prioritized, with materials like metals, paper, cardboard, and plastics being sent to specialized recycling facilities. Once the amphitheater is operational, the waste generation profile will change significantly. Main waste types during regular operations will include organic waste from food and beverage consumption, paper waste such as program brochures, tickets, and promotional materials, plastic waste from bottles, containers, and wrappers, electronic waste (e-waste) from obsolete or broken lighting and sound systems, and general waste such as discarded office materials and maintenance products. Proper waste

		management strategies will be crucial in this phase to reduce waste sent to landfills and to promote sustainable practices. During the operational phase, the amphitheater should focus on reducing waste generation, promoting recycling, and minimizing landfill use. This can be achieved by providing clearly labeled bins for recyclable materials (paper, plastics, metals) and organic waste (food scraps) throughout the venue. The project must comply with Puerto Rico's solid waste management regulations, including the Puerto Rico Solid Waste Management Act, which outlines the proper disposal, recycling, and diversion of waste materials. Collaboration with local authorities, waste management companies, and recycling facilities will be necessary to ensure that all legal requirements are met, and that waste is managed sustainably throughout the construction and operational phases. In conclusion, by integrating effective solid waste management practices and a robust recycling program, the amphitheater in Canóvanas can minimize its environmental impact, reduce landfill waste, and contribute to a more sustainable urban environment. The project is a public initiative promoted by the Municipality of Canóvanas, which has contracts with companies specializing in the transportation and disposal of non-hazardous solid waste.
Waste Water / Sanitary Sewers	2	The project will not require a connection to the sanitary sewer system, nor will it have permanent sanitary facilities. During construction, portable restrooms will be used, and the handling, transportation, and disposal of the blackwater will be managed by companies authorized by the Department of Natural and Environmental Resources (DNER) for these purposes. During events, existing sanitary facilities in structures owned by the Municipality of Canóvanas, such as the public school located across from the project, will be used. **See Exhibit 15. SRI-AAA (PRASA)**
Water Supply	2	PRASA will provide water service to the project. The connection point will be the 4" water line at the project entrance. The estimated water consumption during operation is 300 GPD (gallons per day); during construction, it is expected to be around 240 GPD. Potable water usage

		will primarily be associated with maintenance needs, such as cleaning and general upkeep of the facility. Although the site will be connected to PRASA's potable water system, drinking water for event attendees will not be supplied directly through this connection. Instead, during public events, potable water will be provided by the Municipality of Canóvanas, by private vendors, or attendees will be advised to bring their own drinking water. This approach ensures flexibility in water management during large gatherings and limits the demand placed on the municipal water system during peak usage times. **See Exhibit 15. SRI-AAA (PRASA)**
Public Safety - Police, Fire and Emergency Medical	2	The National Incident Management System (NIMS) provides a framework for coordinating emergency responses across agencies, including law enforcement. It emphasizes effective communication, clear command structures, and standardized procedures to ensure quick and efficient actions. In Puerto Rico, NIMS guides emergency management, and timely police responses are critical for public safety and incident management. Average police response time in Puerto Rico ranges from 6 to 12 minutes, depending on factors such as location and resources, with rural areas experiencing longer delays. Ongoing efforts aim to improve response times through better communication, increased police presence, and community partnerships. In Canóvanas, the full-time police force, located about 900 feet from the project site, handles crime prevention, investigations, and emergency calls. The fire department, with full-time staff 1,000 feet from the site, is equipped to respond to fires, hazardous materials incidents, and rescues. According to NFPA 1710 standards, the response time benchmark for fire services is 9 minutes and 20 seconds, which is aimed to be met for 90% of incidents. The amphitheater project will not significantly strain local emergency services, as it is situated in an urban area with easy access to fire and police departments. The project will also ensure sufficient space for emergency vehicles and will not block access to nearby fire hydrants, ensuring efficient emergency response. Additionally, in the event of emergencies that require the temporary closure of access routes to or from the site, the Municipality of Canóvanas will be notified accordingly. This is particularly important since the roadway used for ingress and egress to the amphitheater is under municipal

		jurisdiction, not state control, making coordination with local authorities essential for public safety and traffic management during such events.
Parks, Open Space and Recreation	1	The construction of the amphitheater will positively contribute to the existing parks and open spaces, providing an additional venue where residents and visitors can enjoy cultural, recreational, and community events. Rather than increasing the demand on nearby parks, the amphitheater will complement and enhance the surrounding recreational areas by offering a dedicated space for performances, events, and passive recreation. Notably, the amphitheater will not replace or take away from any existing parklands; instead, it will provide a complementary facility where the community can come together for events, concerts, theater performances, and other cultural activities. Furthermore, the project will incorporate new trees and landscaping within its design, offering residents additional green spaces for relaxation and outdoor enjoyment.
Transportation and Accessibility	2	The site's location in the urban area of the Municipality of Canóvanas will create traffic congestion and parking limitations during significant events. However, the project will integrate with the existing infrastructure, improving pedestrian connectivity and promoting public transportation. During events, measures will be taken, such as security personnel managing traffic flow and identifying nearby parking areas. Additionally, the amphitheater will ensure compliance with the Americans with Disabilities Act (ADA), providing proper access, ramps, and signage to guarantee an inclusive space for people with disabilities. In summary, the amphitheater will add a new cultural space without negatively affecting the community's mobility or accessibility.

Environmental Assessment Factor	Impact Code	Impact Evaluation
NATURAL FEATURES		
Unique Natural Features, Water Resources	2	The subject parcel, located within a "dotacional" and commercial area of Canóvanas, does not contain any unique or significant natural features such as wetlands,

		riparian zones, or endangered species habitats. The area is predominantly urban, with surrounding land uses being commercial in nature. There are no nearby industrial or commercial activities that draw large quantities of water from the groundwater table, reducing concerns related to potential water extraction impacts. The project does not propose utilizing groundwater for its water supply. Instead, water will likely be sourced through municipal systems, which are standard for urban developments. Additionally, the construction of septic systems is not part of the development plan, which minimizes any risk of soil or water contamination from improper waste management. During the construction phase, the contractor will implement erosion and sedimentation control measures in accordance with local regulations and best practice. Once the project is complete, trees will be planted where soil is exposed to promote stabilization.
Vegetation, Wildlife	1	The site for the proposed amphitheater in the urban area of Canóvanas currently does not feature any trees or significant vegetation. However, a comprehensive planting plan will be developed as part of the project's environmental mitigation and enhancement efforts. This plan will include planting native trees and vegetation chosen to help improve the ecological quality of the area. Local wildlife in the surrounding area is typical of suburban and urban environments, predominantly consisting of small reptiles like lizards and a variety of bird species. Since the project site does not currently host rare, threatened, or endangered species or critical habitats, the proposed development will not adversely affect species of concern at the state or federal level. Overall, the project aims to enhance the urban environment by introducing native vegetation, improving local wildlife habitat, and ensuring the development is resilient.
Other Factors	2	There are no other factors to consider for this project.

Environmental Assessment Factor	Impact Code	Impact Evaluation
CLIMATE AND ENERGY		
Climate Change Impacts	2	On January 20, 2025, President Donald Trump issued the Executive Order 14148 titled "Initial Rescissions of Harmful Executive Orders and Actions", which revoked Executive Order 14008 and eliminated federal mandates requiring agencies to assess climate change impacts. Consequently, there is no longer a federal requirement to address climate change concerns in the environmental compliance review process.
Energy Efficiency	1	The public street lighting design for this project has been planned to maximize energy efficiency and ensure adequate visibility. LED lamps of 21 watts and approximately 710 lumens will be installed on concrete poles at a height of 9.8 feet. According to the Isolux diagram of the specified product, only one (1) lux will be visible at a distance of 8 meters from the center of each lamp. The implementation of these luminaires, along with other energy efficiency strategies such as LED lighting in the amphitheater, motion sensors, and solar energy, will contribute to the project's sustainability. Additionally, the amphitheater's design will take advantage of natural orientation and ventilation, thermally efficient materials, and the integration of green spaces to reduce energy demand. With these measures, the project optimizes electricity consumption, enhances the user experience, and minimizes its environmental impact.

Additional Studies Performed:

Studies Performed	Exhibit Number	Company / Professional	Date
Section 106 NHPA Effect Determination	10 a	SOI-Qualified Archaeologist: Tamara Gonzalez SOI-Qualified Architect/Architectural:Historian: Cristina Montenegro Torres	August 2024 August 2024
Archaeology Monitoring Work Plan	10 b	Arqueologist Imandra Martínez Castañeda – Plexos Group Assited by Archaelogist Larissa Garcia-Cabrera	April 2025
Geotechnical Study	18	GMTS	January 30, 2023
Lead-Based Paint Inspection	6b	Yousev Garcia Ramos	February 2023
Asbestos Containing Building Material Inspection	6c	Yousev Garcia Ramos	February 2023

Field Inspection (Date and completed by):

- Completed Date: February 18, 2025
- Completed By: Gamaliel Rivera Rivera
- **See Exhibit 16**

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

List of Sources, Agencies and Persons Consulted [40 CFR 1508.9(b)]:			
Agency	**Sources**	**Persons Consulted**	**Purpose**
FAA			UAS Facilities
FWLS	• https://fwsprimary.wim.usgs.gov/CBRS Mapper-v2/ • https://www.arcgis.com/apps/mapviewer/index.html?url=https://coast.noaa.gov:443/arcgis/rest/services/Hosted/CoastalZoneManagementAct/FeatureServer/0&source=sd • https://www.fws.gov/library/collections/coastal-barrier-resources-system-maps-puerto-rico-us-virgin-islands • https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/ • https://ipac.ecosphere.fws.gov		CBRS Wetlands Endangered Species
FEMA	• https://hazards-fema.maps.arcgis.com/apps/webappviewer/index.html?id=8b0adb51996444d4879338b5529aa9cd • https://gis-r2-fema.hub.arcgis.com/apps/31dfa15671944086b54b55bfc03344d7/explore		National Flood Hazard Layer ABFE
HUD	• https://www.hudexchange.info/resource/3839/acceptable-separation-distance-asd-assessment-tool-user-guide/ • https://www.hudexchange.info/environmental-review/asd-calculator/ • https://www.hudexchange.info/programs/environmental-review/environmental-assessment/case-study/#Conformance		

EPA	• https://nepassisttool.epa.gov/nepassist/nepamap.aspx • https://www3.epa.gov/airquality/greenbook/map/mapnpoll.pdfhttps://www.hudexchange.info/environmental-review/asd-calculator/ • https://nepassisttool.epa.gov/nepassist/nepamap.aspx • https://www.epa.gov/dwssa • https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=9ebb047ba3ec41ada1877155fe31356b • https://www.epa.gov/green-book • https://www.epa.gov/ejscreen		Air Quality Toxic Release Species List Sole Source Aquifers
NRCS	• https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx		Farmland Map and Soil Surveys
USFS	• https://www.arcgis.com/apps/mapviewer/index.html?layers=a37eb56966cc4b11b69909e288414e53		Wild and Scenic Rivers
U.S. Census	• https://www.census.gov/quickfacts/sanjuanmunicipiopuertorico		
Others	• https://livingatlas.arcgis.com/assessment-tool/search • https://gis.jp.pr.gov/mipr/ • https://gis.jp.pr.gov/ll/bn_DetermStandard.html • https://earth.google.com/		
OGPe	OGPE AAA LUMA NET (PR Telecomunication Bureau)	Lcdo. Felix Rivera Lcda. Eilzabeth Ocacio Ing, Ángel L Ramos Ing. Alexander del Rio Ing. Anthony Yrimia	Local permits and endorsements
Canóvanas Municipality	Mayor Office	Sra. Lorna Soto-City Mayor	

List of Permits Obtained:

List of Permit			
Permit	**Exhibit**	**Permit Number**	**Date**
SHPO Endorsement	10	SHPO-CF-10-23-24-08 PR-CRP-000312	11/27/2024
USFWS Endangered Species Act Certifications – December 2024	7	PR-CRP-000315	12/30/2024
PR Environmental Compliance Re-Certification	17	2024-552893-DEC-302698	03/21/2024
ICP "Programa de Patrimonio Histórico Edificado"	17 a	2023-480217-SRA-300176	03/20/2024
SRI ACT ("Autoridad de Carreteras y Transportación")	17b 17c	2023-480217-SRI-303468 2023-480217-SRI-066302	09/19/2024 03/13/2023
SRI-AAA (PRASA)	14	AAA-RM-23-15-0006	10/24/2024
LUMA	17d	2023-480217-SRI-307813	10/15/2024
PR Telecommunication Bureau	17e	2023-480217-SRI-303424	8/1/2024
Construction Permit Notification	17f	2024-552893-PCOC-307244	07/25/2024

Public Outreach [24 CFR 50.23 & 58.43]:

The Finding of No Significant Impact (FONSI) has not been published but will be after the completion of the Environmental Review (ERR) process for Plaza Teatrales Project. This approval signifies that, after careful analysis, the project will not cause significant adverse environmental effects. The FONSI determination will be publicly available and published in a newspaper, providing the community with full transparency regarding the project's environmental impact.

Cumulative Impact Analysis [24 CFR 58.32]:

Cumulative Impact Analisys
The construction of the amphitheater on a 0.14-acre lot in the urban center of Canóvanas will have various cumulative impacts on infrastructure, traffic, and surrounding communities. In terms of infrastructure, it is anticipated that the current facilities will be sufficient to supply potable water and electricity both now and in the future without affecting commercial, residential, and institutional operations in the areas surrounding the project. However, the amphitheater will generate an increased influx of people, especially during special events. This will lead to an increase in vehicular traffic, causing congestion, parking overload, and possible accessibility issues. This makes it imperative to ensure the provision of adequate road infrastructure, including additional parking and the implementation of efficient public transportation options. Regarding acoustic impact, scheduled events, such as concerts and performances, could disturb the tranquility of nearby residents. Therefore, acoustic impact studies will be necessary, and mitigation measures should be adopted, such as limiting event hours to reduce noise to acceptable levels. Socially, the construction of the amphitheater will significantly contribute to the cultural and recreational offerings of the area, creating a space for artistic and community activities that will benefit residents. However, the concentration of people at events could raise public safety concerns, especially petty crimes. To mitigate these risks, the community will be involved in the project planning process to ensure that the amphitheater design is safe and accessible for all, including people with disabilities, and does not interfere with the daily lives of nearby residents. Additionally, an integrated traffic management plan will be implemented during events, including control measures, diversions, and other strategies to ensure the smooth flow of traffic and the safety of attendees and residents. In conclusion, the project's planning and design took a comprehensive approach, aiming to balance cultural and recreational benefits with the protection of the community's quality of life and the preservation of existing urban infrastructure.

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

Alternatives [24 CFR 58.40(e); 40 CFR 1508.9]:			
Alternative	**Benefits**	**Adverse Impacts**	**Reasons for Reject**
Playground	Building a park dedicated exclusively to children's activities in the urban center of Canóvanas would bring significant benefits to the community. This type of space would promote the physical and emotional development of children, providing a safe and suitable place for them to play, socialize, and exercise. The physical activity encouraged in these parks, such as running and playing outdoors, would combat sedentary behavior, contributing to better health and well-being. Additionally, interactions between children in a controlled environment would allow them to develop important social skills such as cooperation, empathy, and conflict resolution. Socially, the creation of this park would help reduce violence and antisocial behavior, as it would provide a structured	Although building a park exclusively for children's activities in the urban center of Canóvanas can be beneficial, it also presents some drawbacks and challenges. One of the main limitations is that a park focused solely on children could restrict its use for other age groups, such as adults or elderly people, who not have an adequate space for recreational or resting activities. This could create a sense of exclusion for those who do not have young children. Additionally, by focusing exclusively on children, the park might lack space or facilities for other recreational, sports, or cultural activities that could benefit the entire community, thus limiting its usefulness as a gathering place for all residents. A park dedicated to children would also require constant maintenance, as playgrounds and play areas tend to wear out quickly with frequent use, which could increase the park's operational costs. Furthermore, wear and	The construction of an amphitheater in the urban center of Canóvanas could be a more beneficial option than building a park exclusively for children, due to several factors encompassing social, cultural, economic, and urban aspects. An amphitheater has the potential to attract a greater diversity of people from different ages and backgrounds, as it can host a wide variety of cultural events such as concerts, theater performances, festivals, and outdoor movies, making it a multifunctional space. This would benefit children, adults, young people, and the elderly, promoting social integration. Additionally, an amphitheater could enrich the cultural life of the municipality by providing a suitable space for artistic and educational events that strengthen the local cultural identity. Economically, an amphitheater could generate income by attracting both residents and tourists, stimulating local businesses, and

	space for recreation and fun, decreasing the likelihood of children engaging in harmful activities. For families, the park would become a meeting place, offering an environment where parents and children could enjoy their free time together, improving the family's quality of life. Furthermore, this space would foster social and community integration, creating a meeting point for residents of different ages and backgrounds, strengthening neighbors' bonds. Finally, by providing an outdoor green space, the park would improve public health, promote exercise, and reduce the risk of diseases associated with sedentary behavior, such as childhood obesity. In summary, a children's park in Canóvanas would not only directly benefit children but also enrich community life, improving social cohesion and overall well-being.	tear on play equipment and facilities could require periodic repairs, resulting in additional resources. In summary, while the park could be beneficial for young children, these limitations could restrict its accessibility and functionality for the whole community, as well as generate higher maintenance costs.	promoting economic development. In contrast to a children's park, which has a more limited scope in terms of activities and tourist appeal, the amphitheater can become a driver of economic dynamism. Furthermore, the use of space would be more efficient, as an amphitheater utilizes available land in dense urban areas, offering a compact, multifunctional project. Additionally, by being a space for scheduled activities, the amphitheater can ensure accessibility and flexibility for the entire community, regardless of age. While a park for children also benefits the community, the amphitheater has greater potential to bring together people of all ages and foster social cohesion through cultural and recreational activities. In summary, while a park for children clearly offers advantages in terms of children's recreation, the construction of an amphitheater would provide broader benefits, favoring greater social integration, cultural development, and

			economic dynamism for Canóvanas.
Community library or information point	The construction of a community library in the urban center of Canóvanas would offer multiple advantages for the community, contributing to the area's social, educational, and cultural development. Firstly, the library would provide easy and free access to educational resources such as books, magazines, and digital materials, fostering learning at all ages and improving educational opportunities for residents. Additionally, it would serve as a space to promote reading and culture, organizing activities such as book presentations, reading clubs, and cultural events that would strengthen the local cultural identity. It would also become a center for meeting and socializing, where residents of different ages and backgrounds could interact, creating an environment of social cohesion. In the	Despite the benefits a community library could offer in the urban center of Canóvanas, there are also some disadvantages and challenges to consider. Firstly, the limited space on a small lot could restrict the library's ability to offer a full range of services, such as reading areas, computer rooms, and event spaces, which would affect the quality of the user's experience and limit its functionality. Additionally, maintaining and operating the library could incur ongoing costs, such as staff, facility maintenance, and material updates, which could pose a financial burden on the municipality if a steady funding source is not secured. Another challenge is the risk of low attendance, as in some communities, library usage may be limited if adequate promotion is not carried out or if residents do not perceive the value of the services offered. This could result in the project not reaching its full potential. Finally, security may also be a concern, as, without adequate protection measures, both users	The construction of an amphitheater offers a multifunctional use that can host a wide range of cultural and recreational activities, such as concerts, theatrical performances, festivals, and outdoor movies, making it a dynamic space that attracts people of all ages and backgrounds. This contrasts with a library, which is primarily focused on educational and reading activities, limiting its appeal to certain groups of the population, such as students and adults interested in reading. Additionally, the amphitheater has the potential to generate a more significant economic impact by attracting tourists and visitors, which can stimulate the local economy through ticket sales, temporary jobs, and increased demand for services such as transportation, food, and lodging. On the other hand, a library, while valuable, has a more limited capacity to generate income or promote cultural tourism. Regarding space usage, the 0.14-

	digital age, the library would be key to providing access to computers and the internet, allowing residents to improve their digital literacy and access important resources for education and job searching. Furthermore, it could host educational programs such as tutoring, technical skills workshops, and language courses, contributing to the professional development of the community members. As an inclusive space, it would also encourage social integration by providing access to people of all ages and abilities, offering an adapted space for those with disabilities. On the other hand, a community library could also become a tourist attraction and contribute to local economic development by organizing events and activities that stimulate cultural tourism. Ultimately, the construction of a community library would improve the quality of life for residents, promoting	and the facility could be exposed to risks of vandalism or petty crimes.	acre lot is relatively small, and an amphitheater could better utilize that space by offering an open structure that can easily adapt to different types of events and activities. In summary, an amphitheater would not only be a culturally enriching space but could also generate economic and social benefits for the Canóvanas community, making it a more attractive and viable option than the construction of a library in this case

	education, access to information, and social participation while creating an integral space for cultural and community development.		
Environmental Management Center	A center for environmental management offers multiple advantages, including the improvement of waste management by promoting proper sorting, treatment, and disposal to reduce pollution and encourage recycling. Additionally, it fosters environmental awareness and education through sensitization programs, involving the community in sustainable practices. These centers also contribute to the conservation of natural resources by reducing the excessive use of materials and energy and promoting the use of clean technologies and renewable energy. Furthermore, they facilitate compliance with environmental regulations, helping businesses and	The disadvantages of an environmental management center include high initial and maintenance costs, covering infrastructure, technology, and specialized staff. Additionally, there may be resistance from the community, as they are not always willing to adopt new environmental management practices. Limited space, especially in urban areas, can also be a challenge, as well as logistical complications related to waste collection, sorting, and treatment. Although the goal is to reduce pollution, some processes may generate emissions or secondary waste that need to be properly managed. Moreover, the lack of trained staff in areas like ecology and waste management can hinder the efficient operation of the center. These disadvantages require proper planning, sufficient resources, and collaboration between	The construction of the amphitheater in the urban area of the Municipality of Canóvanas seems to be a more favorable option than the construction of an environmental management center, especially when considering the available land size of 0.14 acres. This space is relatively small, which limits the construction of a complex infrastructure like that of an environmental management center, which would require a larger area to accommodate waste storage, recycling processes, and treatment facilities. Additionally, an environmental management center could cause urban congestion due to the constant need for access by collection trucks and the potential generation of secondary waste that would impact nearby residents. In contrast, the amphitheater, being

	communities meet local and international standards, supporting sustainable and responsible development.	authorities and citizens to overcome obstacles and ensure the success of the center.	a more compact and multifunctional structure, can make better use of the available land, providing space for cultural, recreational, and artistic activities, while fostering social cohesion. This type of infrastructure would have a direct social and cultural impact, promoting events that could generate tourism and boost the local economy, creating jobs and stimulating commerce. In terms of accessibility and space usage, the amphitheater is a more suitable option for the available plot, while an environmental management center would be better suited for a larger site, outside the urban core, where logistical and social challenges would be lower. Economically, the amphitheater provides a more immediate return, as it facilitates events and commercial activities, whereas the environmental management center has a more indirect and long-term impact on the community. In summary, the construction of the amphitheater not only fits better with the available space but also represents a more viable and beneficial option

			for Canóvanas, directly impacting the quality of life of the citizens and the local economy. At the same time, an environmental management center could be better located in a non-urban area.

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

No Action Alternative
Currently, the lot is not being used, and no activities are taking place on it, meaning there are no immediate environmental, social, or economic impacts from its use. The lot is not causing significant negative consequences as it remains unused and undeveloped. However, without intervention, it could become an area for accumulating trash, weeds, and other invasive species. In the long term, this could degrade the area's appearance and contribute to public health issues, such as the spread of pests or sources of pollution. Failing to take action would also mean losing the opportunity to rehabilitate and utilize the land in ways that promote social well-being and sustainability. The lot is zoned as a dotacional site, which means it is designated for public or community use. If no action is taken, the lot will remain undeveloped, resulting in missed potential for utilizing a space in the heart of Canóvanas' urban core. In a municipality where nearly all land has been developed, leaving this lot unused could represent a lost opportunity to provide a community benefit that would boost social, cultural, and recreational activities. Building an amphitheater on the lot would provide direct and immediate benefits to the community, such as hosting cultural, recreational, and artistic events that generate jobs, attract tourists, and foster social cohesion. In contrast, opting for no action would mean missing out on the opportunity to capitalize on the land for these purposes and would forfeit the chance to contribute to the area's economic vitality. Furthermore, it would eliminate the possibility of creating a space that encourages an active and healthy lifestyle for the community. In conclusion, while the no-action alternative might avoid the immediate costs and efforts associated with building an amphitheater, it also comes with the disadvantage of not utilizing the 0.14 acre dotacional lot, which could benefit the Canóvanas community. Choosing not to intervene would mean missing the opportunity to revitalize the area, promote social and cultural engagement, and contribute to the sustainable economic and environmental development of the municipality.

Summary of Findings and Conclusions:

Summary of Findings and Conclusions
The proposed action, the construction of an amphitheater, is not expected to result in significant environmental impacts. Located in an urban area, the site does not contain sensitive ecosystems, such as water bodies, caves, or forests, that could be negatively affected. The existing vegetation is relatively low in diversity, and the fauna is typical of urban environments, including common species like lizards and birds. The site does not support rare or vulnerable wildlife species. Furthermore, no known historical, cultural, or archaeological resources exist on the site. Work will be immediately halted if any such resources are uncovered during construction, and the appropriate authorities will be notified for proper handling. The construction of the amphitheater will not generate harmful emissions or discharge pollutants into the air or water. The use of heavy machinery will be minimal, reducing the potential for pollution. The proposed project does not pose typical commercial or industrial risks and does not require extensive risk management strategies. Overall, the amphitheater's development, construction, and operation are not expected to cause significant environmental degradation. Any necessary mitigation measures will be implemented promptly to address potential impacts.

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

Summarize below all mitigation measures adopted by the Responsible Entity to reduce, avoid, or eliminate adverse environmental impacts and to avoid non-compliance or non-conformance with the above-listed authorities and factors. These measures/conditions must be incorporated into project contracts, development agreements, and other relevant documents. The staff responsible for implementing and monitoring mitigation measures should be clearly identified in the mitigation plan.

Law, Authority, or Factor	Mitigation Measure
SHPO	The archaeological monitoring plan, prepared by Archaeologist Imandra Martínez Castañeda (Plexos Group) and assisted by Archaeologist Larissa García Cabrera, shall be implemented. **See Exhibit 10b.**
CES Plan Single Incidental Operational Permit (PUI, for its acronym in Spanish)	The delimitation and adequate identification of work areas with the required sectoral controls. Information to construction labor personnel and contractors about the delimitation described above. Personnel selected for inspection and maintenance responsibilities will receive training from qualified personnel. They will be trained in inspection and maintenance practices to keep the erosion and sediment controls in good working order. Disturbed portions of the site where construction activities temporarily cease will be compacted or stabilized with temporary seed, synthetic material, and mulch within 14 days from the last construction activities in that area. However, exposed regions of rocks or any other non-erosional material may not require additional temporary stabilization. Personnel selected for inspection and maintenance responsibilities will receive training from qualified personnel. They will be trained in inspection and maintenance practices to keep the erosion and sediment controls in good working order. Disturbed portions of the site where construction activities temporarily cease will be compacted or stabilized with temporary seed, synthetic material, and mulch within 14 days from the last construction activities in that area. However, exposed regions of rocks or any other non-erosional material may not require additional temporary stabilization.

Areas of the site to be paved will be temporarily stabilized by applying geotextile and a stone sub-base until a bituminous pavement can be applied.

The implemented structural controls for the project are:

- Access Road Stabilization. The area where vehicle access to disturbed areas must be stabilized if this is not paved.
- Sediment barriers. Silt fences and straw bales will be installed during the project's construction to prevent sediment from gaining access to surface water bodies.
- Vehicle Wash Area. A tire cleaning area will be located at the site's exit so the vehicles leaving the site do not transport sediment outside the project area.
- Sediment Trap. A sediment trap will be located at each area where concentrated flows occur, if any.
- A tire wash area may be near the entrance to minimize sediment tracks outside the project.

During construction activities, sanitary wastes will be collected from portable units installed at the site at a rate of once a week by a licensed Commonwealth sanitary waste management contractor, as required by local regulations.

Areas where soil piles are temporarily or permanently stored will be provided with stormwater erosion control, such as silt fences, hay packs, diversion ditches, plastic coverage, etc. The controls used in these areas are determined in the field based on site conditions and will be discontinued once vegetation coverage protects the pile.

The following housekeeping practices will be followed during the construction project:

- An effort will be made to store only enough of the products required to do the job.
- Materials stored onsite will be stored in an orderly manner in their appropriate containers and, if possible, under a roof or other enclosure.
- Products will be kept in containers with the original manufacturer's label.
- Substances will only be mixed if recommended by the manufacturer.
- The project supervisor will make daily visual inspections to ensure proper use and disposal of materials onsite.
- Stained soils with hydrocarbons should be removed and properly disposed of.

	To minimize the possibility of leaks, onsite vehicles will be monitored for leaks and receive regular preventive maintenance. Petroleum products will be stored in tightly sealed containers, clearly labeled if needed. Any asphalt substances used onsite will be applied according to the manufacturer's recommendations. Fertilizers, if used, will be applied only in the amounts recommended by the manufacturer. Once applied, fertilizer will be worked into the soil to limit exposure to stormwater. Storage will be in a covered shed. The contents of any partially used bags of fertilizer will be transferred to a sealable plastic bin to avoid spills. Concrete trucks will be allowed to wash out or discharge surplus concrete or drummed wash water in designated areas. The project supervisor will supervise fuel loading/unloading operations. Spill collection pans or similar systems will be used to collect any leakages during loading/unloading operations. Tank appurtenances such as valves and hoses will be inspected before each loading/unloading operation. If signs of leakages are observed, the appurtenances will be fixed before the loading/unloading operation is conducted. The following inspection and maintenance practices will be implemented to maintain erosion and sedimentation controls: • Maintenance of control measures in good working order. If repairs are necessary, they will be initiated within 24 hours of reporting. • Remove built-up sediment from silt fences when it reaches one-third of the fence's height. • Removal of built-up sediments from sedimentation ponds and traps when it has reached 50% or more of the capacity of the control.
Waste/ Construction Debris	Non-hazardous waste materials will be collected and stored in securely lidded metal dumpsters rented from a licensed solid waste management company in Puerto Rico. The dumpster lid must be kept closed. Trash generated at the site will be deposited in dumpsters. The dumpsters will be emptied at least once a week or more often if necessary, and the trash will be transported to an authorized landfill. Construction debris will be stored correctly in a site-designated area by the project engineer. No construction waste materials will be buried on-site. All personnel will be instructed regarding the correct procedures for waste disposal. Areas where construction debris is stored will be

	provided with stormwater erosion control, such as silt fences, hay packs, diversion ditches, etc. The field's control will be determined based on site conditions. Hazardous wastes are not expected to be generated and managed at the project site. If hazardous wastes need to be managed, they will be disposed of in a manner consistent with the Commonwealth of Puerto Rico and federal regulations. Site personnel will be instructed in these practices, and the Site Manager will be responsible for seeing that these practices are followed. The following practices will be used to reduce the risks associated with hazardous materials in case they need to be used on-site: • Products will be kept in original containers unless they are not sealable. • Original labels and material safety data sheets will be retained on-site; they contain essential safety information. • If surplus products must be disposed of, manufacturers' or local and federal recommended methods for proper disposal will be followed. • These materials will be stored in a covered area with a containment system.
Clean Air Single Incidental Operational Permit (PUI)	**Dust Control:** The movement of the earth's crust will be related to the preparation and leveling of the land; formation of plots and stabilization of slopes; construction of foundations, streets, curbs, rainwater, and sanitary systems; and installation of underground utilities, among other works. Prior to the commencement of construction, a Single Incidental Operational Permit will be requested, which includes the Earth Crust Movement Permit for Actions Incidental to Works. This permit will be issued by the Permit Management Office (OGPe) before the proposed works commence through the Single Permit. Operational Incidental (PUI). It is not expected that an excess of material will be generated that will have to be disposed of outside the property.
Noise	The project's construction activities will be limited to the times specified and approved in the required permits. Neighboring residents will receive advance notice of upcoming construction activities to ensure transparency and community engagement. Noise control for construction equipment that relies on combustion engines will be managed through effective mufflers installed on the machinery. Proper maintenance of this equipment, particularly internal combustion engines, will ensure that noise levels remain low and compliant with design specifications.

	Furthermore, heavy equipment operators will receive training on recognized noise reduction practices. These measures will include: • Shutting down equipment that is not in use. • Avoiding unnecessary acceleration when operating machinery. • Keeping engine cabin covers closed during operation. • Ensuring that all threaded bolts, washers, screws, and tie-downs are properly secured. By implementing these strategies, we aim to minimize noise disturbances and ensure a quieter environment for the surrounding community during construction. During the operation or when events are held at the amphitheater, the following mitigation measures will be implemented to reduce the noise impact on surrounding communities: • Specific hours will be defined to avoid affecting nearby residents and businesses. • Surveillance personnel will be assigned to monitor the noise levels during events and take corrective actions if the sound exceeds the established limits. • A system will be established where neighbors can file noise complaints, allowing authorities to take immediate action if the disturbance level is high. • The use of acoustic insulation technologies will be encouraged, directing the sound towards the audience and not towards residential areas
Endangered Species *Chilabotrus inornatus* Puerto Rican Boa	A protocol to avoid/minimize impacts to these species or their habitat is provided and must be implemented by the contractor. If a Puerto Rican Boa is found in the Project action site, work shall cease until the Boa moves off independently. If the Boa does not move off, the CM shall contact the Puerto Rico Department of Natural and Environmental Resources. Construction labor personnel and contractors will be trained on conservation protocols for the Puerto Rico boa and other appropriate species.
Vegetation Single Incidental Operational Permit	The project requires the planting of 5 trees por cada cuerda o porción de terreno que no haya sido previamente impactada por la construcción de estructuras. Once the planting plan authorized in the Cutting and Forestation Authorization is completed, it is expected that the vegetation that is part of the green areas will constitute an area equal to or better for wildlife than the existing one, with the use of species that provide food for it. The species to be used in planting trees will be selected from the list provided by Law No. 97 of June 24, 1998 – Law to Promote the Planting of Trees whose Fruits or Seeds Provide Food for Wild Bird Species of Puerto Rico.

Mitigation & Monitoring Plan – Plaza de Artes Teatrales, Canóvanas

Mitigation Measure	Implementation Date	Responsible Party	Monitoring Method
SHPO – Historic Resources: The archaeological monitoring plan, prepared by Archaeologist Imandra Martínez Castañeda (Plexos Group) and assisted by Archaeologist Larissa García Cabrera, shall be implemented. Archaeological monitoring will be conducted during all ground-disturbing activities. If historic properties or artifacts are discovered at any stage of construction, work will be immediately halted in the affected area, and SHPO will be notified without delay.	During construction	Contractor / Municipality of Canóvanas / Qualified Archaeologists	Archaeological monitoring reports; immediate SHPO notification; construction log
CES Plan – Work area delimitation with sectoral controls and signage.	Pre-construction	Contractor / Environmental Supervisor	Visual inspection; georeferenced photos
Training for workers and contractors on delimitation and environmental controls.	Pre- and during construction	Environmental Consultant / Contractor	Training attendance records
Erosion & Sediment Controls: sediment barriers, access road stabilization, tire wash areas, sediment traps.	During construction	Contractor / Environmental Supervisor	Weekly inspection reports; photos
Temporary stabilization of disturbed areas with seeding, synthetic material, or mulch within 14 days of activity cessation.	During construction	Contractor / Municipality	Site inspection; construction log
Areas to be paved temporarily stabilized with geotextile and stone sub-base.	During construction	Contractor	Field inspection
Sanitary waste management: weekly collection by licensed contractor.	During construction	Contractor / Authorized company	Disposal receipts
Construction waste management: disposal at authorized landfill; on-site burial prohibited.	During construction	Contractor / Municipality	Disposal receipts; inspections
Hazardous materials: storage in sealed and labeled containers; disposal per state and federal regulations.	During construction (if applicable)	Contractor / Municipality	Disposal certificates; inspections
Housekeeping practices: materials stored under cover; minimal quantities onsite; daily supervisor inspections.	During construction	Site Supervisor / Contractor	Daily logs
Clean Air – PUI: dust control through watering; compliance with Unique Incidental Operational Permit.	Pre- and during construction	Contractor / OGPe	Copy of PUI; inspections

Noise – Construction: use of mufflers, equipment maintenance, limited schedules, prior notification to neighbors.	During construction	Contractor / Municipality	Construction log; community notification
Noise – Operation: defined schedules, on-site monitoring, complaint system, acoustic insulation technologies.	Operation phase	Municipality of Canóvanas / Security personnel	Event logs; monitoring reports
Endangered Species (Puerto Rican Boa): management protocol; halt work if observed and notify DNER.	During construction	Contractor / DNER	Sighting reports; training records
Vegetation & Reforestation: planting of 5 trees per impacted "*cuerda*" or the planting of 3 trees for each tree removed, whichever is greater. Tree species shall comply with Law No. 97 of June 24, 1998 (Law to Promote the Planting of Trees Whose Fruits or Seeds Provide Food for Wild Bird Species of Puerto Rico).	Final construction & operation	Municipality of Canóvanas	Planting records; annual inspections

Determination:

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

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

Preparer Signature: **Elvelisse Figueroa Hernandez** Date: **09/22/2025**

Name/Title/Organization: **Green Project Environmental Consultants, LLC**

Certifying Officer Signature: Date: 9/30/2025

Name/Title:

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

Exhibits

Exhibit Number	Description
1	**Airport RPZ y APZ Protection Zone Map**
2	**Coastal Barrier Resources System Map**
2a	**Punta Vacia Talega Unit PR-87 Map**
3	**National Flood Hazard Layer FIRMette (72000C0395J)**
4	**Nonattainment Areas Map**
4a	**List of Puerto Rico Nonattainment Areas**
5	**Coastal Zone Management Map**
6	**EPA NEPAssits – EPA Facilities MAP**
6a	**ECHO Reports**
6b	**Negative certifications for the presence of asbestos and LBP**
6c	**Asbestos Containing Building Material Inspection**
6d	**Lead-BasedPaint Inspection**
7	**USFWS Endangered Species Act Certifications – December 2024**
7a	**USFWL Blanket Clearance Letter for Federally Sponsored Projects, Housing and Urban Development**
7b	**USFWLS Self Certification Package**
7c	**Certification that the lighting associated with the facilities is not visible directly or indirectly from the beach**
8	**WSS Farmland Classification**
8a	**US 2020 Census Urban Area**
9	**Advisory Base Flood Elevation Map (ABFE) Map (JP)**
10	**SHPO-CF-11-27-24-05 PR-CRP-000315 (Canovanas)**
10a.	**Section 106 NHPA Effect Determination Form**
10 b.	**Archaeoloical Monitoring Plan**
11	**Image with Project distance to Roadways, Railroads, and Airports**
12	**Sole Source Aquifers Map**
13	**USFWS National Wetland Inventory Map (U.S. F&WLS)**
14	**Wild and Scenic Rivers Map**
15	**SRI-AAA (PRASA)**
16	**Field Inspection**
17	**Project Permits and Endorsements (17a @ 17f)**
18	**Geotechnical Study**


EXHIBIT 1

Airport RPZ/APZ Protection Zone Image
Plaza Artes Teatrales (PR-CRP-000315)

1, Autonomía St. Muñoz Rivera Corner, Canóvanas
(Lat: 18.37868, Long: -65.90154)





Legend:

- 1. SJU (20,000 ft)
- 2. SIG (68,000 ft)
- Accident Protection Zone
- Distances
- PR-CRP-000315
- Runway Protection Zone

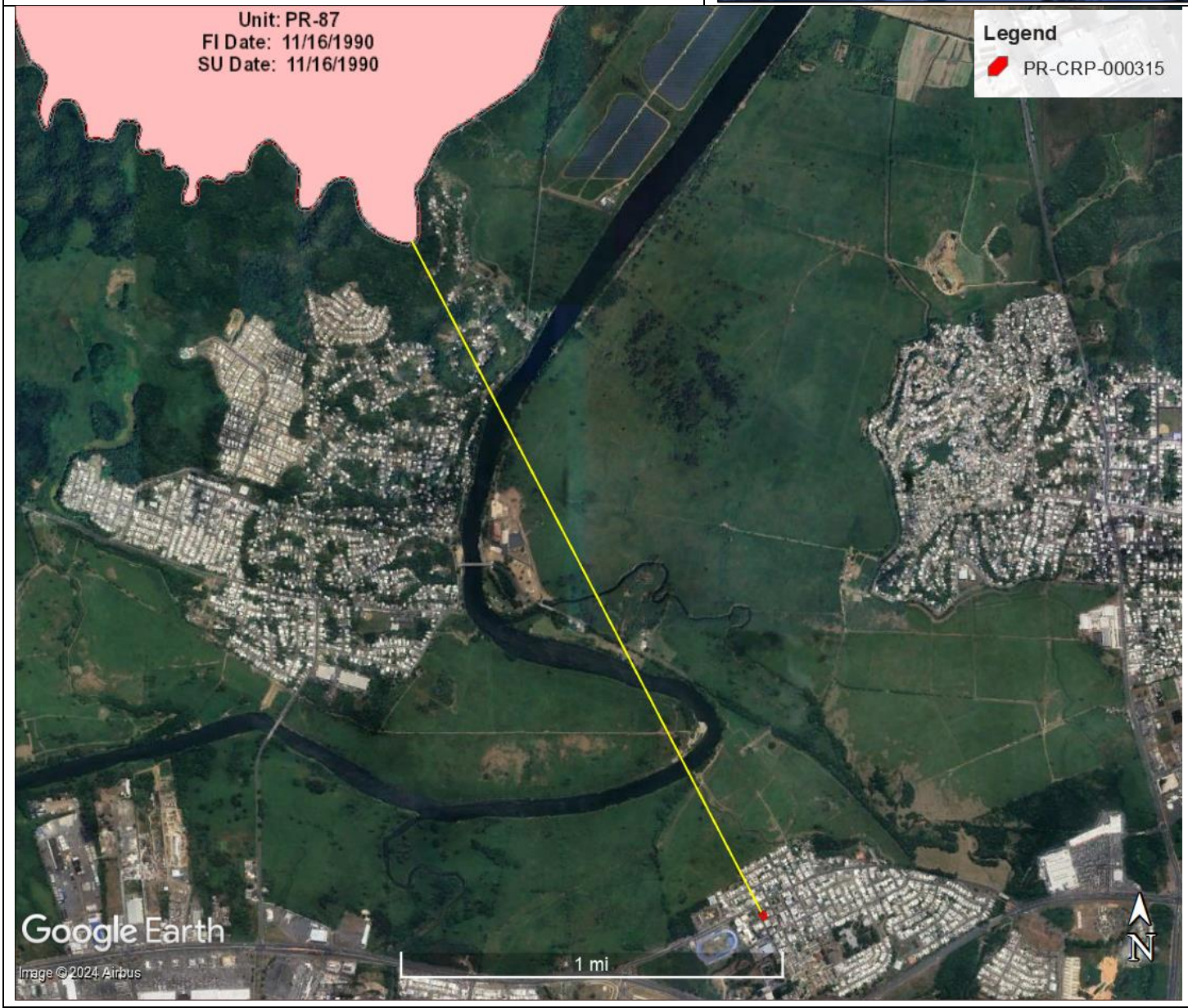
Source: NEPAssist Tool (https://nepassisttool.epa.gov/nepassist/nepamap.aspx)


EXHIBIT 2

Coastal Barrier Resource System Image
Plaza Artes Teatrales (PR-CRP-000315)

1, Autonomía St. Muñoz Rivera Corner, Canóvanas
(Lat: 18.37868, Long: -65.90154)





Legend:

- Otherwise Protected Area
- System Unit
- Distance 1.96 miles
- PR-CRP-000315

Source: CBRS Mapper (https://fwsprimary.wim.usgs.gov/CBRSMapper-v2/)

Exhibit 2a

ATLANTIC OCEAN

PR-87

La Torre

BOSQUE ESTATAL DE PIÑONES

Finca Piñones

PR-87P

Laguna La Torrecilla

Laguna de Piñones

PUNTA VACIA TALEGA

Arenas

RESERVA NATURAL TORRECILLA ALTA

Torrecilla Baja

BOSQUE ESTATAL DE PIÑONES

PR-87

RESERVA NATURAL TORRECILLA ALTA

Loíza

Sabana Abajo

Canal Blasina

Buena Vista

Río Grande de Loíza

Torrecilla Alta

1.94 miles

San Isidro

San Anton

Carolina

Río Grande de Loíza

Site

Martin Gonzalez

Trujillo Bajo

Canóvanas

JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

Punta Vacia Talega Unit PR-87/PR-87P

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Map 72-028A **November 15, 2016**

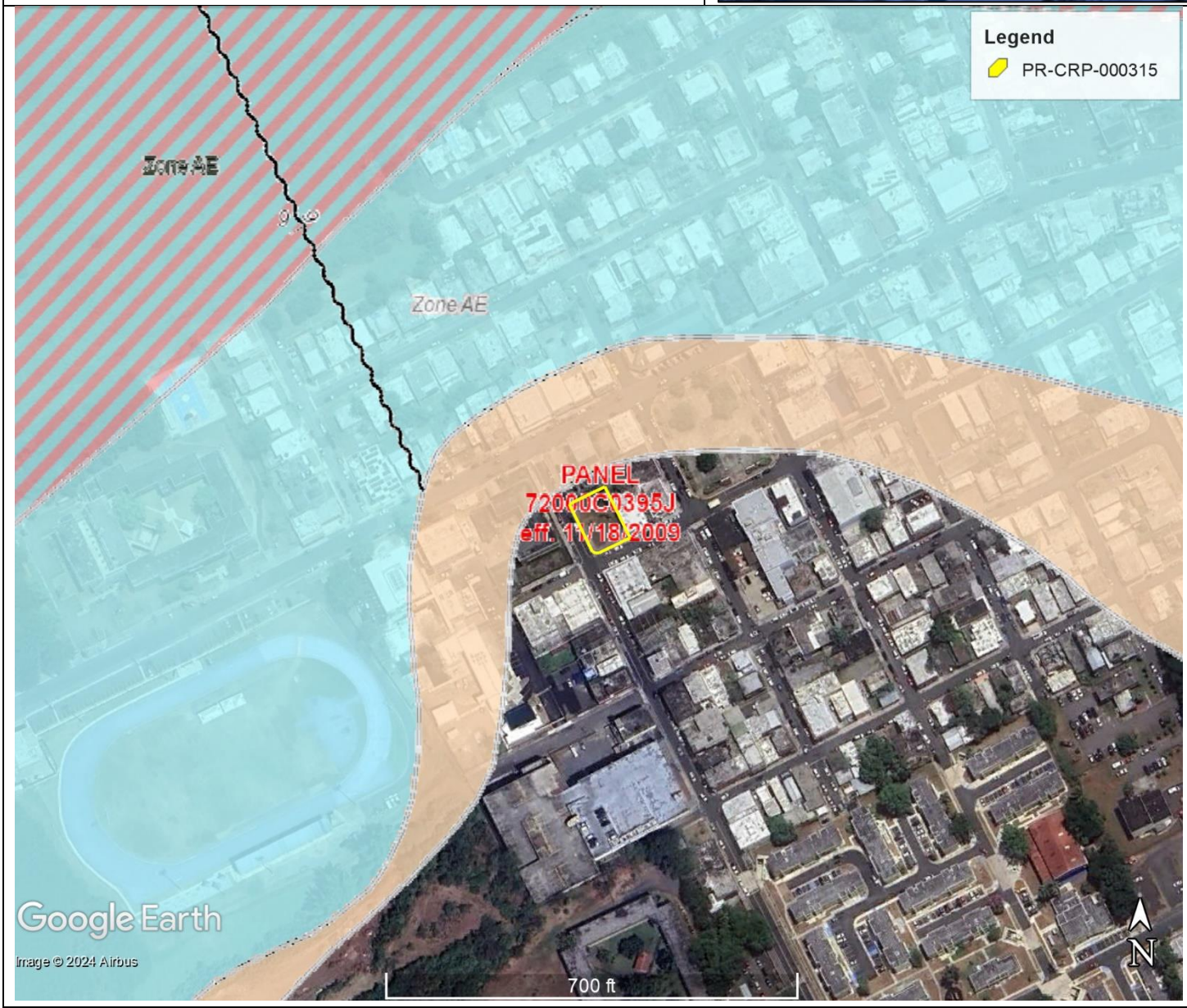

EXHIBIT 3

National Flood Hazard Layer Image

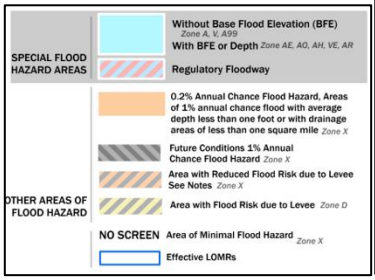
Plaza Artes Teatrales (PR-CRP-000315)

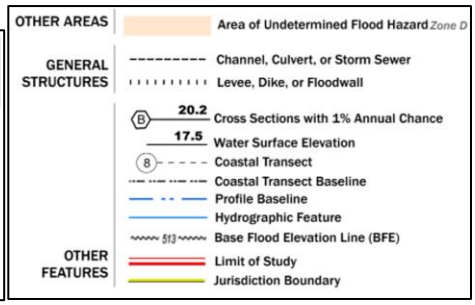
1, Autonomía St. Muñoz Rivera Corner, Canóvanas
(Lat: 18.37868, Long: -65.90154)





Legend:





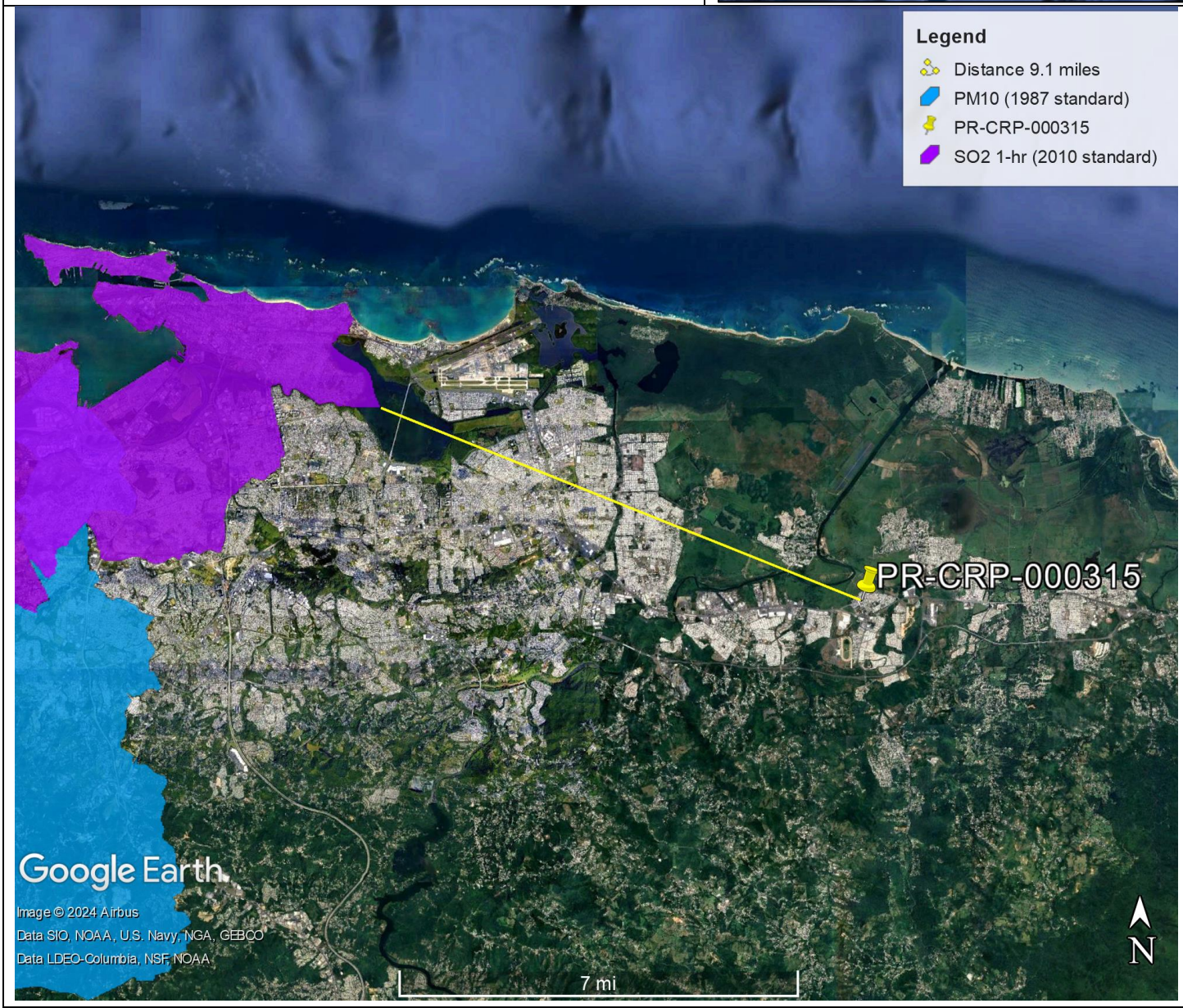
Source: FEMA National Flood Hazard Layer (https://hazards-fema.maps.arcgis.com/apps/webappviewer/index.html?id=8b0adb51996444d4879338b5529aa9cd)


EXHIBIT 4

Nonattainment Areas Image
Plaza Artes Teatrales (PR-CRP-000315)

1, Autonomía St. Muñoz Rivera Corner, Canóvanas
(Lat: 18.37868, Long: -65.90154)





Legend:

- Distance 9.1 miles
- PM10 (1987 standard)
- PR-CRP-000315
- SO2 1-hr (2010 standard)

Source: NEPAssist Tool (https://nepassisttool.epa.gov/nepassist/nepamap.aspx)



Current Nonattainment Counties for All Criteria Pollutants

Data is current as of December 31, 2023

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

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

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

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

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

PUERTO RICO

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

TENNESSEE

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

TEXAS

Anderson County
*Sulfur Dioxide (2010)**Freestone and Anderson Counties, TX
Bexar County
8-Hour Ozone (2015) San Antonio, TX - (Moderate)
Brazoria County
8-Hour Ozone (2008) Houston-Galveston-Brazoria, TX - (Severe 15)
8-Hour Ozone (2015) Houston-Galveston-Brazoria, TX - (Moderate)
Chambers County
8-Hour Ozone (2008) Houston-Galveston-Brazoria, TX - (Severe 15)

8-Hour Ozone (2015) Houston-Galveston-Brazoria, TX - (Moderate)

Collin County
8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Severe 15)
8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Moderate)

Dallas County
8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Severe 15)
8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Moderate)

Denton County
8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Severe 15)
8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Moderate)

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

Ellis County
8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Severe 15)
8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Moderate)

Fort Bend County
8-Hour Ozone (2008) Houston-Galveston-Brazoria, TX - (Severe 15)
8-Hour Ozone (2015) Houston-Galveston-Brazoria, TX - (Moderate)

Freestone County
Sulfur Dioxide (2010) *Freestone and Anderson Counties, TX

Galveston County
8-Hour Ozone (2008) Houston-Galveston-Brazoria, TX - (Severe 15)
8-Hour Ozone (2015) Houston-Galveston-Brazoria, TX - (Moderate)

Harris County
8-Hour Ozone (2008) Houston-Galveston-Brazoria, TX - (Severe 15)
8-Hour Ozone (2015) Houston-Galveston-Brazoria, TX - (Moderate)

Howard County
Sulfur Dioxide (2010) *Howard County, TX

Hutchinson County
Sulfur Dioxide (2010) *Hutchinson County, TX

Johnson County
8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Severe 15)
8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Moderate)

Kaufman County
8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Severe 15)
8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Moderate)

Liberty County
8-Hour Ozone (2008) Houston-Galveston-Brazoria, TX - (Severe 15)

Montgomery County
8-Hour Ozone (2008) Houston-Galveston-Brazoria, TX - (Severe 15)
8-Hour Ozone (2015) Houston-Galveston-Brazoria, TX - (Moderate)

Navarro County
Sulfur Dioxide (2010) *Navarro County, TX

Panola County
Sulfur Dioxide (2010) *Rusk and Panola Counties, TX

Parker County
8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Severe 15)
8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Moderate)

Rockwall County
8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Severe 15)

Rusk County
Sulfur Dioxide (2010) *Rusk and Panola Counties, TX

Tarrant County
8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Severe 15)
8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Moderate)

Titus County
Sulfur Dioxide (2010) *Titus County, TX

Waller County
8-Hour Ozone (2008) Houston-Galveston-Brazoria, TX - (Severe 15)

Wise County

8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Severe 15)
8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Moderate)

UTAH

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

VIRGINIA

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

WASHINGTON

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

WISCONSIN

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

Washington County
8-Hour Ozone (2015) *Milwaukee, WI - (Moderate)
Waukesha County
8-Hour Ozone (2015) *Milwaukee, WI - (Moderate)

WYOMING

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

Discover. **Connect.** **Ask.** **Follow.**

2023-12-31


EXHIBIT 5

Coastal Zones Management Image
Plaza Artes Teatrales (PR-CRP-000315)

1, Autonomía St. Muñoz Rivera Corner, Canóvanas
(Lat: 18.37868, Long: -65.90154)





Legend:

- Coastal Zones
- Distance 0.92 miles
- PR-CRP-000315

Source: ERMA NOAA Coastal Zones
(https://erma.noaa.gov/layer/26282)


EXHIBIT 6

EPA Facilities - (PR-CRP-000315)



December 24, 2024

1:9,028

0 0.1 0.2 0.4 mi

0 0.15 0.3 0.6 km

- Toxic Releases (TRI)
- Hazardous Waste (RCRAInfo)
- Hazardous Waste (RCRAInfo)
- Water Dischargers (NPDES)
- Water Dischargers (NPDES)
- Air Pollution (ICIS-AIR)
- Project Buffer
- PR-CRP-00315

Maxar, Esri Community Maps Contributors, Esri, TomTom, Garmin, Foursquare, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, NPS, US Census Bureau, USFWS

Contamination and Toxic Substances

24 CFR Part 50.3(i) & 58.5(i)(2)

EPA Facilities within 3,000 ft of the project.

ID	EPA Facility	Facility Type	Distance From Site (ft)	Compliance Status (ECHO)
1	Canovanas Stp	RCRAInfo	2,700	No Violation Identified
2	Express Auto Gulf Station	RCRAInfo	1,000	No Violation Identified
3	A & P Proofing Insulation Inc	TRI	780	The EPA ECHO database provides limited information on this site. The facility is not on the National Priorities List and was not identified as a Superfund site.
4	Canovanas Indian Cleaner	RCRAInfo	830	No Violation Identified
5	Public Building Auth - Police Station	RCRAInfo	830	No Violation Identified
6	Canovanas Indian Cleaner	ICIS-AIR	860	No Violation Identified
7	Pillsbury Pr Inc	RCRAInfo	390	No Violation Identified
8	Escuela Luis Hernaiz Verone	RCRAInfo	390	No Violation Identified
9	Ford Motor Co Caribbean Inc	ICIS-AIR, RCRAInfo	2,350	No Violation Identified
10	Villas de Loiza Stp	RCRAInfo	2,350	No Violation Identified
11	Haciendilla	RCRAInfo	2,430	No Violation Identified
12	Walmart Supercenter #5802	RCRAInfo	2,630	No Violation Identified
13	Centro De Distribucion - Supermercados Econo, Inc	NPDES	2,100	No Violation Identified
14	Supermercados Econo New Warehouse And Distribution Center	NPDES	2,730	Terminated Permit
15	Brisas De Loiza Stp	RCRAInfo	1,860	No Violation Identified
16	American Properties Corp	RCRAInfo	1,860	No Violation Identified
17	Extension Canovanas Plaza Rial Ii	NPDES	2,040	Terminated Permit
18	Aluminum Extrussion Corp	RCRAInfo, TRI	1,880	No Violation Identified
19	Project Pouch Inc Nsc Pr Inc	RCRAInfo	1,760	No Violation Identified
20	Esso Standard Oil Co Pr 3P-233	RCRAInfo	1,380	No Violation Identified
21	Tanama Farms	RCRAInfo	2,850	No Violation Identified

NPDES- Water Discharges **TRI-** Toxic Realeases **RCRAInfo-** Hazardous Waste

ICIS-AIR Air Pollution

Detailed Facility Report

Facility Summary

CANOVANAS STP

PR-951 KM 0.9, CANOVANAS, PR 00729

FRS (Facility Registry Service) ID: 110007803975

EPA Region: 02

Latitude: 18.385975

Longitude: -65.901608

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 Other, (PRD000689372)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Go To Enforcement/Compliance Details

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007803975					N	18.385975	-65.901608
ICIS		41091					N	18.315016	-65.895756
RCRAInfo	RCRA	PRD000689372	Other	Inactive ( )			N	18.385975	-65.901608

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007803975	CANOVANAS STP	PR-951 KM 0.9, CANOVANAS, PR 00729	Canóvanas Municipio
ICIS		41091	QUINTAS DE CANOVANAS P.S. - CAROLINA WWTP	ROAD 185 KM .9, CANOVANA, PR 00901	San Juan Municipio
RCRAInfo	RCRA	PRD000689372	CANOVANAS STP	STATE RD 951 KM 0.9, CANOVANAS, PR 00629	Canóvanas Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
RCRAInfo	PRD000689372	22132	Sewage Treatment Facilities

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

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

No data records returned

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRD000689372	No	06/07/2025	0	06/06/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRD000689372)			07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

Formal Enforcement Actions

Last 5 Years

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

No data records returned

Environmental Conditions

Watersheds

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

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

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

No data records returned

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))	
Total Persons	6,335
Population Density	2,083/sq.mi.
Housing Units in Area	3,003
Percent People of Color	100%
Households in Area	2,429
Households on Public Assistance	111
Persons With Low Income	4,819
Percent With Low Income	76%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.385975
Center Longitude	-65.901608
Total Area	--
Land Area	97%
Water Area	3%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	850 (35.02%)
$15,000 - $25,000	527 (21.71%)
$25,000 - $50,000	586 (24.15%)
$50,000 - $75,000	236 (9.72%)
Greater than $75,000	228 (9.39%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	220 (3%)
Minors 17 years and younger	1,180 (19%)
Adults 18 years and older	5,153 (81%)
Seniors 65 years and older	1,248 (20%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	1,437 (23%)
African-American	1,107 (17%)
Hispanic-Origin	6,314 (100%)
Asian	172 (3%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	2 (0%)
Other/Multiracial	2,550 (40%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	825 (17.88%)
9th through 12th Grade	438 (9.49%)
High School Diploma	1,185 (25.68%)
Some College/2-year	542 (11.74%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,029 (22.3%)

Detailed Facility Report

Facility Summary

EXPRESS AUTO GULF STATION

106 PALMER ST, CANOVANAS, PR 00729

FRS (Facility Registry Service) ID: 110004891127

EPA Region: 02

Latitude: 18.380333

Longitude: -65.89894

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	05/22/1997
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRO007002280)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Go To Enforcement/Compliance Details

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110004891127					N	18.380333	-65.89894
RCRAInfo	RCRA	PRO007002280	Other	Inactive ( )			N	18.379999	-65.899865

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004891127	EXPRESS AUTO GULF STATION	106 PALMER ST, CANOVANAS, PR 00729	Canóvanas Municipio
RCRAInfo	RCRA	PRO007002280	EXPRESS AUTO GULF STATION	106 PALMER ST, CANOVANAS, PR 00729	Canóvanas Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

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

No data records returned

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRO007002280	No	06/07/2025	0	06/06/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRO007002280)			07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

Formal Enforcement Actions

Last 5 Years

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

No data records returned

Environmental Conditions

Watersheds

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

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

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

No data records returned

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))	
Total Persons	7,791
Population Density	2,542/sq.mi.
Housing Units in Area	3,357
Percent People of Color	100%
Households in Area	2,808
Households on Public Assistance	103
Persons With Low Income	4,895
Percent With Low Income	63%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.380333
Center Longitude	-65.89894
Total Area	--
Land Area	98%
Water Area	2%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	641 (22.84%)
$15,000 - $25,000	483 (17.21%)
$25,000 - $50,000	809 (28.82%)
$50,000 - $75,000	382 (13.61%)
Greater than $75,000	492 (17.53%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	212 (3%)
Minors 17 years and younger	1,437 (18%)
Adults 18 years and older	6,352 (82%)
Seniors 65 years and older	1,365 (18%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,063 (26%)
African-American	1,575 (20%)
Hispanic-Origin	7,764 (100%)
Asian	39 (1%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	12 (0%)
Other/Multiracial	2,519 (32%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	577 (10.41%)
9th through 12th Grade	334 (6.02%)
High School Diploma	1,255 (22.63%)
Some College/2-year	708 (12.77%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,763 (31.79%)

Detailed Facility Report

Facility Summary

A & P PROOFING INSULATION INC

PO BOX 146, CANOVANAS, PR 00729

FRS (Facility Registry Service) ID: 110008053355

EPA Region: 02

Latitude: 18.379343

Longitude: -65.899218

Locational Data Source: TRIS

Industries: Chemical Manufacturing

Indian Country: N

Enforcement and Compliance Summary

No data records returned

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): No Information

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): 00629PRFNGPOBOX

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

Go To Enforcement/Compliance Details

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110008053355					N	18.379343	-65.899218
TRI	EP313	00629PRFNGPOBOX	Toxics Release Inventory	Last Reported for 1988			N	18.379343	-65.899218

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110008053355	A & P PROOFING INSULATION INC	PO BOX 146, CANOVANAS, PR 00729	Canóvanas Municipio
TRI	EP313	00629PRFNGPOBOX	A & P PROOFING INSULATION INC	PO BOX 146, CANOVANAS, PR 00729	Canóvanas Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
TRI	00629PRFNGPOBOX	2890	Legacy Docket Conv
TRI	00629PRFNGPOBOX	2891	Adhesives And Sealants

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
TRI	00629PRFNGPOBOX	325520	Adhesive Manufacturing

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

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

No data records returned

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

Compliance Summary Data

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

No data records returned

Three-Year Compliance History by Quarter

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

Formal Enforcement Actions

Last 5 Years

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

No data records returned

Environmental Conditions

Watersheds

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

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

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

No data records returned

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals

Released or Transferred in Pounds per Year at Site

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

No data records returned

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

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))	
Total Persons	8,132
Population Density	2,652/sq.mi.
Housing Units in Area	3,417
Percent People of Color	100%
Households in Area	2,895
Households on Public Assistance	103
Persons With Low Income	4,941
Percent With Low Income	61%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.379343
Center Longitude	-65.899218
Total Area	--
Land Area	98%
Water Area	2%

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	222 (3%)
Minors 17 years and younger	1,480 (18%)
Adults 18 years and older	6,650 (82%)
Seniors 65 years and older	1,421 (17%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,210 (27%)
African-American	1,681 (21%)
Hispanic-Origin	8,104 (100%)
Asian	24 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	12 (0%)
Other/Multiracial	2,485 (31%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	507 (8.75%)
9th through 12th Grade	331 (5.71%)

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	616 (21.28%)
$15,000 - $25,000	476 (16.44%)
$25,000 - $50,000	852 (29.43%)
$50,000 - $75,000	414 (14.3%)
Greater than $75,000	537 (18.55%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
High School Diploma	1,299 (22.41%)
Some College/2-year	756 (13.04%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,944 (33.53%)

Detailed Facility Report

Facility Summary

CANOVANAS INDIAN CLEANER

100 CALLE CORCHADO, CANOVANAS, PR 00729

FRS (Facility Registry Service) ID: 110005973642

EPA Region: 02

Latitude: 18.37822

Longitude: -65.89894

Locational Data Source: FRS

Industries: Personal and Laundry Services

Indian Country: N

Enforcement and Compliance Summary

Statute	CAA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	09/12/2013
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)	--
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): Operating Minor (PR0000007202900015)

Clean Water Act (CWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRN000021865)

Safe Drinking Water Act (SDWA): No Information

Toxic Releases (TRI): No Information

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

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110005973642					N	18.37822	-65.89894
ICIS-Air	CAA	PR0000007202900015	Minor Emissions	Operating	CAAMACT, CAASIP		N	18.37834	-65.899
RCRAInfo	RCRA	PRN000021865	Other	Inactive ( )			N	18.378148	-65.898937

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110005973642	CANOVANAS INDIAN CLEANER	100 CALLE CORCHADO, CANOVANAS, PR 00729	Canóvanas Municipio
ICIS-Air	CAA	PR0000007202900015	CANOVANAS INDIAN CLEANER	CORCHADO STREET #100, CANOVANAS, PR 00929	Canóvanas Municipio
RCRAInfo	RCRA	PRN000021865	CANOVANAS INDIAN LAUNDRY	100 CALLE CORCHADO, CANOVANAS, PR 00756	Canóvanas Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
ICIS-Air	PR0000007202900015	7216	Drycleaning Plants, Except Rug

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
ICIS-Air	PR0000007202900015	812320	Drycleaning and Laundry Services (except Coin-Operated)

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

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

No data records returned

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CAA	PR0000007202900015	No	06/07/2025	0	06/06/2025
RCRA	PRN000021865	No	06/07/2025	0	06/06/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	
CAA (Source ID: PR0000007202900015)		07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/0
	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
	HPV History											
	Violation Type / Agency / Programs / Pollutants											

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRN000021865)		07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation / Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

Formal Enforcement Actions

Last 5 Years

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

No data records returned

Environmental Conditions

Watersheds

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

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

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

No data records returned

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))	
Total Persons	8,544
Population Density	2,782/sq.mi.
Housing Units in Area	3,501
Percent People of Color	100%
Households in Area	3,004
Households on Public Assistance	101
Persons With Low Income	5,004

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	234 (3%)
Minors 17 years and younger	1,562 (18%)
Adults 18 years and older	6,984 (82%)
Seniors 65 years and older	1,456 (17%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,395 (28%)

General Statistics (ACS (American Community Survey))	
Percent With Low Income	59%
Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.37822
Center Longitude	-65.89894
Total Area	--
Land Area	98%
Water Area	2%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	601 (20.03%)
$15,000 - $25,000	462 (15.4%)
$25,000 - $50,000	890 (29.67%)
$50,000 - $75,000	448 (14.93%)
Greater than $75,000	599 (19.97%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
African-American	1,730 (20%)
Hispanic-Origin	8,515 (100%)
Asian	22 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	14 (0%)
Other/Multiracial	2,512 (29%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	464 (7.65%)
9th through 12th Grade	322 (5.31%)
High School Diploma	1,327 (21.87%)
Some College/2-year	806 (13.28%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,143 (35.32%)

Detailed Facility Report

Facility Summary

PUBLIC BUILDING AUTH - POLICE STATION

CORCHADO ST 104, CANOVANAS, PR 00729

FRS (Facility Registry Service) ID: 110004890191

EPA Region: 02

Latitude: 18.37834

Longitude: -65.899

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	05/19/1997
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRD987380532)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Go To Enforcement/Compliance Details

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110004890191					N	18.37834	-65.899
RCRAInfo	RCRA	PRD987380532	Other	Inactive ( )			N		

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004890191	PUBLIC BUILDING AUTH - POLICE STATION	CORCHADO ST 104, CANOVANAS, PR 00729	Canóvanas Municipio
RCRAInfo	RCRA	PRD987380532	PUBLIC BUILDING AUTH - POLICE STATION	CORCHADO ST 104, CANOVANAS, PR 00729	Canóvanas Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

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

No data records returned

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRD987380532	No	06/07/2025	0	06/06/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRD987380532)			07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

Formal Enforcement Actions

Last 5 Years

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

No data records returned

Environmental Conditions

Watersheds

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

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

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

No data records returned

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))	
Total Persons	8,506
Population Density	2,770/sq.mi.
Housing Units in Area	3,496
Percent People of Color	100%
Households in Area	2,993
Households on Public Assistance	102
Persons With Low Income	5,005
Percent With Low Income	59%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.37834
Center Longitude	-65.899
Total Area	--
Land Area	98%
Water Area	2%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	602 (20.13%)
$15,000 - $25,000	463 (15.48%)
$25,000 - $50,000	889 (29.73%)
$50,000 - $75,000	443 (14.82%)
Greater than $75,000	593 (19.83%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	235 (3%)
Minors 17 years and younger	1,555 (18%)
Adults 18 years and older	6,954 (82%)
Seniors 65 years and older	1,454 (17%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,376 (28%)
African-American	1,731 (20%)
Hispanic-Origin	8,478 (100%)
Asian	21 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	14 (0%)
Other/Multiracial	2,511 (30%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	468 (7.74%)
9th through 12th Grade	323 (5.34%)
High School Diploma	1,326 (21.92%)
Some College/2-year	801 (13.24%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,121 (35.06%)

Detailed Facility Report

Facility Summary

CANOVANAS INDIAN CLEANER

100 CALLE CORCHADO, CANOVANAS, PR 00729

FRS (Facility Registry Service) ID: 110005973642

EPA Region: 02

Latitude: 18.37822

Longitude: -65.89894

Locational Data Source: FRS

Industries: Personal and Laundry Services

Indian Country: N

Enforcement and Compliance Summary

Statute	CAA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	09/12/2013
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)	--
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): Operating Minor (PR0000007202900015)

Clean Water Act (CWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRN000021865)

Safe Drinking Water Act (SDWA): No Information

Toxic Releases (TRI): No Information

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

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110005973642					N	18.37822	-65.89894
ICIS-Air	CAA	PR0000007202900015	Minor Emissions	Operating	CAAMACT, CAASIP		N	18.37834	-65.899
RCRAInfo	RCRA	PRN000021865	Other	Inactive ( )			N	18.378148	-65.898937

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110005973642	CANOVANAS INDIAN CLEANER	100 CALLE CORCHADO, CANOVANAS, PR 00729	Canóvanas Municipio
ICIS-Air	CAA	PR0000007202900015	CANOVANAS INDIAN CLEANER	CORCHADO STREET #100, CANOVANAS, PR 00929	Canóvanas Municipio
RCRAInfo	RCRA	PRN000021865	CANOVANAS INDIAN LAUNDRY	100 CALLE CORCHADO, CANOVANAS, PR 00756	Canóvanas Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
ICIS-Air	PR0000007202900015	7216	Drycleaning Plants, Except Rug

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
ICIS-Air	PR0000007202900015	812320	Drycleaning and Laundry Services (except Coin-Operated)

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

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

No data records returned

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CAA	PR0000007202900015	No	06/07/2025	0	06/06/2025
RCRA	PRN000021865	No	06/07/2025	0	06/06/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	
CAA (Source ID: PR0000007202900015)		07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/0
	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
	HPV History											
	Violation Type / Agency / Programs / Pollutants											

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRN000021865)		07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation / Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

Formal Enforcement Actions

Last 5 Years

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

No data records returned

Environmental Conditions

Watersheds

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

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

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

No data records returned

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))	
Total Persons	8,544
Population Density	2,782/sq.mi.
Housing Units in Area	3,501
Percent People of Color	100%
Households in Area	3,004
Households on Public Assistance	101
Persons With Low Income	5,004

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	234 (3%)
Minors 17 years and younger	1,562 (18%)
Adults 18 years and older	6,984 (82%)
Seniors 65 years and older	1,456 (17%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,395 (28%)

General Statistics (ACS (American Community Survey))	
Percent With Low Income	59%
Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.37822
Center Longitude	-65.89894
Total Area	--
Land Area	98%
Water Area	2%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	601 (20.03%)
$15,000 - $25,000	462 (15.4%)
$25,000 - $50,000	890 (29.67%)
$50,000 - $75,000	448 (14.93%)
Greater than $75,000	599 (19.97%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
African-American	1,730 (20%)
Hispanic-Origin	8,515 (100%)
Asian	22 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	14 (0%)
Other/Multiracial	2,512 (29%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	464 (7.65%)
9th through 12th Grade	322 (5.31%)
High School Diploma	1,327 (21.87%)
Some College/2-year	806 (13.28%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,143 (35.32%)

Detailed Facility Report

Facility Summary

ESCUELA LUIS HERNAIZ VERONE

CALLE AUTONOMIA, CANOVANAS, PR 00729

FRS (Facility Registry Service) ID: 110007811029

EPA Region: 02

Latitude: 18.377041

Longitude: -65.900862

Locational Data Source: RCRAINFO

Industries: --

Indian Country: N

Enforcement and Compliance Summary

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

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRD987373552)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Go To Enforcement/Compliance Details

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007811029					N	18.377041	-65.900862
RCRAInfo	RCRA	PRD987373552	Other	Inactive ( )			N	18.377041	-65.900862

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007811029	ESCUELA LUIS HERNAIZ VERONE	CALLE AUTONOMIA, CANOVANAS, PR 00729	Canóvanas Municipio
RCRAInfo	RCRA	PRD987373552	ESCUELA LUIS HERNAIZ VERONE	CALLE AUTONOMIA, CANOVANAS, PR 00629	Canóvanas Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

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

No data records returned

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRD987373552	No	06/07/2025	0	06/06/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRD987373552)			07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

Formal Enforcement Actions

Last 5 Years

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

No data records returned

Environmental Conditions

Watersheds

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

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

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

No data records returned

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))	
Total Persons	9,450
Population Density	3,078/sq.mi.
Housing Units in Area	3,800
Percent People of Color	100%
Households in Area	3,295
Households on Public Assistance	101
Persons With Low Income	5,474
Percent With Low Income	58%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.377041
Center Longitude	-65.900862
Total Area	--
Land Area	98%
Water Area	2%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	641 (19.44%)
$15,000 - $25,000	506 (15.34%)
$25,000 - $50,000	993 (30.11%)
$50,000 - $75,000	514 (15.59%)
Greater than $75,000	644 (19.53%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	273 (3%)
Minors 17 years and younger	1,620 (17%)
Adults 18 years and older	7,829 (83%)
Seniors 65 years and older	1,708 (18%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,671 (28%)
African-American	1,966 (21%)
Hispanic-Origin	9,421 (100%)
Asian	17 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	12 (0%)
Other/Multiracial	2,625 (28%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	443 (6.48%)
9th through 12th Grade	364 (5.32%)
High School Diploma	1,564 (22.86%)
Some College/2-year	910 (13.3%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,446 (35.76%)

Detailed Facility Report

Facility Summary

PILLSBURY PR INC

PR-185 KM 0.2, CANOVANAS, PR 00729

FRS (Facility Registry Service) ID: 110015588032

EPA Region: 02

Latitude: 18.377392

Longitude: -65.901155

Locational Data Source: RCRAINFO

Industries: --

Indian Country: N

Enforcement and Compliance Summary

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

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRN008012692)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Go To Enforcement/Compliance Details

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110015588032					N	18.377392	-65.901155
RCRAInfo	RCRA	PRN008012692	Other	Inactive ( )			N	18.377392	-65.901155

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110015588032	PILLSBURY PR INC	PR-185 KM 0.2, CANOVANAS, PR 00729	Canóvanas Municipio
RCRAInfo	RCRA	PRN008012692	PILLSBURY PR INC	RD 185 KM 0 HM 2, CANOVANAS, PR 00729-1661	Canóvanas Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

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

No data records returned

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRN008012692	No	06/07/2025	0	06/06/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRN008012692)			07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

Formal Enforcement Actions

Last 5 Years

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

No data records returned

Environmental Conditions

Watersheds

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

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

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

No data records returned

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))	
Total Persons	9,386
Population Density	3,059/sq.mi.
Housing Units in Area	3,802
Percent People of Color	100%
Households in Area	3,286
Households on Public Assistance	102
Persons With Low Income	5,511
Percent With Low Income	59%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.377392
Center Longitude	-65.901155
Total Area	--
Land Area	98%
Water Area	2%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	647 (19.73%)
$15,000 - $25,000	514 (15.67%)
$25,000 - $50,000	992 (30.24%)
$50,000 - $75,000	506 (15.43%)
Greater than $75,000	621 (18.93%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	267 (3%)
Minors 17 years and younger	1,599 (17%)
Adults 18 years and older	7,788 (83%)
Seniors 65 years and older	1,726 (18%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,618 (28%)
African-American	1,984 (21%)
Hispanic-Origin	9,357 (100%)
Asian	16 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	11 (0%)
Other/Multiracial	2,629 (28%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	455 (6.68%)
9th through 12th Grade	371 (5.44%)
High School Diploma	1,577 (23.14%)
Some College/2-year	905 (13.28%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,401 (35.23%)

Detailed Facility Report

Facility Summary

FORD MOTOR CO CARIBBEAN INC

PR-3 KM 19.5, CANOVANAS, PR 00729

FRS (Facility Registry Service) ID: 110010637560

EPA Region: 02

Latitude: 18.377678

Longitude: -65.894931

Locational Data Source: RCRAINFO

Industries: Fabricated Metal Product Manufacturing

Indian Country: N

Enforcement and Compliance Summary

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

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	08/24/1992
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): Operating Minor (PR0000007208900006)

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRD090134628)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110010637560					N	18.377678	-65.894931
ICIS		1800045773					N	18.377678	-65.894931
ICIS		44343					N	18.377678	-65.894931
ICIS-Air	CAA	PR0000007208900006	Minor Emissions	Operating	CAASIP		N	18.377678	-65.894931
RCRAInfo	RCRA	PRD090134628	Other	Inactive ( )			N	18.377678	-65.894931

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110010637560	FORD MOTOR CO CARIBBEAN INC	PR-3 KM 19.5, CANOVANAS, PR 00729	Canóvanas Municipio
ICIS		1800045773	FORD MOTOR CO CARIBBEAN INC	STATE RD 3 KM 19.5, CANOVANAS, PR 00729	Canóvanas Municipio
ICIS		44343	FORD MOTOR CO CARIBBEAN INC	STATE RD 3 KM 19.5, CANOVANAS, PR 00729	Canóvanas Municipio
ICIS-Air	CAA	PR0000007208900006	FORD MOTOR CARRIBEAN	CARR 3 KM 19.5, LUQUILLO, PR 00979	Luquillo Municipio
RCRAInfo	RCRA	PRD090134628	F M C C I CHASSIS PLANT	RD 3 KM 19, CANOVANAS, PR 00629	Canóvanas Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
ICIS-Air	PR0000007208900006	3562	Ball And Roller Bearings

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
ICIS-Air	PR0000007208900006	332991	Ball and Roller Bearing Manufacturing

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

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

No data records returned

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CAA	PR0000007208900006	No	06/07/2025	0	06/06/2025
RCRA	PRD090134628	No	06/07/2025	0	06/06/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	
CAA (Source ID: PR0000007208900006)		07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/0
	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 I
	HPV History											

	Violation Type	Agency	Programs	Pollutants

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRD090134628)		07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified

	Violation	Agency

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

Formal Enforcement Actions

Last 5 Years

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

No data records returned

Environmental Conditions

Watersheds

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

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

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

No data records returned

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))	
Total Persons	8,321
Population Density	2,698/sq.mi.
Housing Units in Area	3,349
Percent People of Color	100%
Households in Area	2,918
Households on Public Assistance	99
Persons With Low Income	4,558
Percent With Low Income	55%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.377678
Center Longitude	-65.894931
Total Area	--
Land Area	99%
Water Area	1%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	561 (19.27%)
$15,000 - $25,000	402 (13.8%)
$25,000 - $50,000	825 (28.33%)
$50,000 - $75,000	443 (15.21%)
Greater than $75,000	681 (23.39%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	255 (3%)
Minors 17 years and younger	1,705 (20%)
Adults 18 years and older	6,615 (79%)
Seniors 65 years and older	1,207 (15%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,509 (30%)
African-American	1,294 (16%)
Hispanic-Origin	8,293 (100%)
Asian	29 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	21 (0%)
Other/Multiracial	2,636 (32%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	480 (8.47%)
9th through 12th Grade	237 (4.18%)
High School Diploma	1,131 (19.96%)
Some College/2-year	747 (13.18%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,123 (37.46%)

Detailed Facility Report

Facility Summary

VILLAS DE LOIZA STP

PR-3 KM 19.5, CANOVANAS, PR 00729

FRS (Facility Registry Service) ID: 110007804956

EPA Region: 02

Latitude: 18.377678

Longitude: -65.894931

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 Other, (PRD000691659)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Go To Enforcement/Compliance Details

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007804956					N	18.377678	-65.894931
ICIS		44532					N	18.377678	-65.894931
RCRAInfo	RCRA	PRD000691659	Other	Inactive ( )			N	18.377678	-65.894931

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007804956	VILLAS DE LOIZA STP	PR-3 KM 19.5, CANOVANAS, PR 00729	Canóvanas Municipio
ICIS		44532	VILLAS DE LOIZA STP	STATE RD 3 KM 19.5, CANOVANAS, PR 00729	Canóvanas Municipio
RCRAInfo	RCRA	PRD000691659	VILLAS DE LOIZA STP	STATE RD 3 KM 19.5, CANOVANAS, PR 00629	Canóvanas Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
RCRAInfo	PRD000691659	22132	Sewage Treatment Facilities

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

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

No data records returned

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRD000691659	No	06/07/2025	0	06/06/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRD000691659)			07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

Formal Enforcement Actions

Last 5 Years

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

No data records returned

Environmental Conditions

Watersheds

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

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

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

No data records returned

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))	
Total Persons	8,321
Population Density	2,698/sq.mi.
Housing Units in Area	3,349
Percent People of Color	100%
Households in Area	2,918
Households on Public Assistance	99
Persons With Low Income	4,558
Percent With Low Income	55%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.377678
Center Longitude	-65.894931
Total Area	--
Land Area	99%
Water Area	1%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	561 (19.27%)
$15,000 - $25,000	402 (13.8%)
$25,000 - $50,000	825 (28.33%)
$50,000 - $75,000	443 (15.21%)
Greater than $75,000	681 (23.39%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	255 (3%)
Minors 17 years and younger	1,705 (20%)
Adults 18 years and older	6,615 (79%)
Seniors 65 years and older	1,207 (15%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,509 (30%)
African-American	1,294 (16%)
Hispanic-Origin	8,293 (100%)
Asian	29 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	21 (0%)
Other/Multiracial	2,636 (32%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	480 (8.47%)
9th through 12th Grade	237 (4.18%)
High School Diploma	1,131 (19.96%)
Some College/2-year	747 (13.18%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,123 (37.46%)

Detailed Facility Report

Facility Summary

HACIENDILLA

PR-185 KM 4.5, CANOVANAS, PR 00729

FRS (Facility Registry Service) ID: 110030900096

EPA Region: 02

Latitude: 18.378511

Longitude: -65.894674

Locational Data Source: NPDES

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	CWA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	04/20/2007
Compliance Status	Not Applicable
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): Non-Major, (PRU201861)

Resource Conservation and Recovery Act (RCRA): No Information

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Go To Enforcement/Compliance Details

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110030900096					N	18.378511	-65.894674
ICIS-NPDES	CWA	PRU201861	Non-Major: Unpermitted Facility				N	18.378511	-65.894674

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110030900096	HACIENDILLA	PR-185 KM 4.5, CANOVANAS, PR 00729	Canóvanas Municipio

System	Statute	Identifier	Facility Name	Facility Address	Facility County
ICIS-NPDES	CWA	PRU201861	HACIENDILLA	STATE RD 185, KM 4.5, CANOVANAS, PR 00729	Canóvanas Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Industrial Effluent Guidelines

Identifier	Effluent Guideline (40 CFR Part)	Effluent Guideline Description

No data records returned

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

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

No data records returned

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CWA	PRU201861	No	12/31/2024	0	06/06/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
CWA (Source ID: PRU201861)		01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24
	Facility-Level Status	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
	Quarterly Noncompliance Report History											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

Formal Enforcement Actions

Last 5 Years

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

No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
210100050414	Rio Grande de Loiza at mouth	--	No	No	--	Yes

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
PR	2024	PREE14A	RIO GRANDE DE LOIZA ESTUARY	Impaired - With Restoration Plan	PATHOGENS	--	Insufficient Information	--	Not Supporting	--

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

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

DMR and TRI Multi-Year Loading Report

NPDES ID	Description

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))	
Total Persons	8,249
Population Density	2,675/sq.mi.
Housing Units in Area	3,415
Percent People of Color	100%
Households in Area	2,929
Households on Public Assistance	110
Persons With Low Income	4,689
Percent With Low Income	57%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.378511
Center Longitude	-65.894674
Total Area	--
Land Area	99%
Water Area	1%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	597 (20.4%)
$15,000 - $25,000	431 (14.72%)
$25,000 - $50,000	824 (28.15%)
$50,000 - $75,000	430 (14.69%)
Greater than $75,000	645 (22.04%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	256 (3%)
Minors 17 years and younger	1,681 (20%)
Adults 18 years and older	6,570 (80%)
Seniors 65 years and older	1,237 (15%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,415 (29%)
African-American	1,293 (16%)
Hispanic-Origin	8,221 (100%)
Asian	30 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	20 (0%)
Other/Multiracial	2,742 (33%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	568 (10.08%)
9th through 12th Grade	256 (4.54%)
High School Diploma	1,161 (20.61%)
Some College/2-year	733 (13.01%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	1,990 (35.32%)

Detailed Facility Report

Facility Summary

WALMART SUPERCENTER #5802

CARR #3 KM 17.8, CANOVANAS, PR 00729

FRS (Facility Registry Service) ID: 110037441364

EPA Region: 02

Latitude: 18.378041

Longitude: -65.894292

Locational Data Source: RCRAINFO

Industries: General Merchandise Retailers

Indian Country: N

Enforcement and Compliance Summary

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

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Active SQG, (PRR000021758)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Go To Enforcement/Compliance Details

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110037441364					N	18.378041	-65.894292
RCRAInfo	RCRA	PRR000021758	SQG	Active (H)			N	18.378041	-65.894292

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110037441364	WALMART SUPERCENTER #5802	CARR #3 KM 17.8, CANOVANAS, PR 00729	Canóvanas Municipio

System	Statute	Identifier	Facility Name	Facility Address	Facility County
RCRAInfo	RCRA	PRR000021758	WALMART SUPERCENTER #5802	PLAZA CANOVANAS HWY 3 INT NEW RT 66, CANOVANAS, PR 00729	Canóvanas Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
RCRAInfo	PRR000021758	455211	Warehouse Clubs and Supercenters

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

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

No data records returned

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRR000021758	No	06/07/2025	0	06/06/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRR000021758)			07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

Formal Enforcement Actions

Last 5 Years

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

No data records returned

Environmental Conditions

Watersheds

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

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

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

No data records returned

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

e-Manifest Hazardous Waste History (Public)

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

Source ID	Waste Description	2022	2023	2024	2025
PRR000021758	Hazardous Waste	164 - 171	87 - 92	207 - 209	--
PRR000021758	Acute Hazardous Waste	0 - 6	0 - 4	0 - 1	--
PRR000021758	Pharmaceutical Hazardous Waste	0 - 7	0 - 5	0 - 2	--

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

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))	
Total Persons	8,344
Population Density	2,704/sq.mi.
Housing Units in Area	3,398
Percent People of Color	100%
Households in Area	2,941
Households on Public Assistance	104
Persons With Low Income	4,638
Percent With Low Income	56%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.378041
Center Longitude	-65.894292
Total Area	--
Land Area	99%
Water Area	1%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	583 (19.84%)
$15,000 - $25,000	415 (14.13%)
$25,000 - $50,000	824 (28.05%)
$50,000 - $75,000	441 (15.01%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	262 (3%)
Minors 17 years and younger	1,709 (20%)
Adults 18 years and older	6,633 (79%)
Seniors 65 years and older	1,222 (15%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,490 (30%)
African-American	1,284 (15%)
Hispanic-Origin	8,316 (100%)
Asian	31 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	21 (0%)
Other/Multiracial	2,722 (33%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	531 (9.35%)
9th through 12th Grade	246 (4.33%)
High School Diploma	1,152 (20.28%)
Some College/2-year	743 (13.08%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,068 (36.41%)

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Greater than $75,000	675 (22.97%)

Detailed Facility Report

Facility Summary

CENTRO DE DISTRIBUCION - SUPERMERCADOS ECONO, INC.

PR-3, INT. PR-9959, KM 15.21, CANOVANILLAS WARD, CANOVANAS, PR 00729

FRS (Facility Registry Service) ID: 110071222992

EPA Region: 02

Latitude: 18.375719

Longitude: -65.906789

Locational Data Source: NPDES

Industries: --

Indian Country: N

Enforcement and Compliance Summary

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

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): Non-Major, Permit Effective (PRR05J02S)

Resource Conservation and Recovery Act (RCRA): No Information

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Go To Enforcement/Compliance Details

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110071222992					N	18.375719	-65.906789
ICIS-NPDES	CWA	PRR05J02S	Non-Major: General Permit Covered Facility	Effective	Industrial Stormwater	02/28/2026	N	18.373567	-65.906283

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110071222992	CENTRO DE DISTRIBUCION - SUPERMERCADOS ECONO, INC.	PR-3, INT. PR-9959, KM 15.21, CANOVANILLAS WARD, CANOVANAS, PR 00729	Canóvanas Municipio
ICIS-NPDES	CWA	PRR05J02S	CENTRO DE DISTRIBUCION - SUPERMERCADOS ECONO, INC.	PR-3, INT. PR-9959, KM 15.21, CANOVANILLAS WARD, CANOVANAS, PR 00729	

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
ICIS-NPDES	PRR05J02S	4222	Refrigerated Warehousing And Storage
ICIS-NPDES	PRR05J02S	4225	General Warehousing And Storage

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Industrial Effluent Guidelines

Identifier	Effluent Guideline (40 CFR Part)	Effluent Guideline Description

No data records returned

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

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

No data records returned

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CWA	PRR05J02S	No	12/31/2024	0	06/06/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
CWA (Source ID: PRR05J02S)		01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Quarterly Noncompliance Report History											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

Formal Enforcement Actions

Last 5 Years

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

No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
210100050414	Rio Grande de Loiza at mouth	BOCAFORMA CREEK WETLAND	No	No	--	Yes

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
PR	2024	PREE14A	RIO GRANDE DE LOIZA ESTUARY	Impaired - With Restoration Plan	PATHOGENS	--	Insufficient Information	--	Not Supporting	--

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

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

DMR and TRI Multi-Year Loading Report

NPDES ID	Description

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))	
Total Persons	10,166
Population Density	3,315/sq.mi.
Housing Units in Area	4,190
Percent People of Color	100%
Households in Area	3,607
Households on Public Assistance	109
Persons With Low Income	6,064
Percent With Low Income	60%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.375719
Center Longitude	-65.906789
Total Area	--
Land Area	98%
Water Area	2%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	713 (19.77%)
$15,000 - $25,000	633 (17.55%)
$25,000 - $50,000	1,030 (28.56%)
$50,000 - $75,000	605 (16.78%)
Greater than $75,000	625 (17.33%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	282 (3%)
Minors 17 years and younger	1,601 (16%)
Adults 18 years and older	8,565 (84%)
Seniors 65 years and older	2,025 (20%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,902 (29%)
African-American	2,122 (21%)
Hispanic-Origin	10,136 (100%)
Asian	4 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	3 (0%)
Other/Multiracial	2,800 (28%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	469 (6.2%)
9th through 12th Grade	423 (5.59%)
High School Diploma	1,919 (25.35%)
Some College/2-year	968 (12.79%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,649 (35%)

Detailed Facility Report

Facility Summary

SUPERMERCADOS ECONO NEW WAREHOUSE AND DISTRIBUTION CENTER

ROAD PR-3 AND PR-9959, KM 15.21, CANOVANILLAS WARD, CANOVANAS, PR 00729

FRS (Facility Registry Service) ID: 110070220926

EPA Region: 02

Latitude: 18.3733

Longitude: -65.9069

Locational Data Source: NPDES

Industries: --

Indian Country: N

Enforcement and Compliance Summary

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

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): Non-Major, Permit Terminated; Compliance Tracking Off (PRR10004D)

Resource Conservation and Recovery Act (RCRA): No Information

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110070220926					N	18.3733	-65.9069
ICIS-NPDES	CWA	PRR10004D	Non-Major: General Permit Covered Facility	Terminated; Compliance Tracking Off	Construction Stormwater	02/15/2022	N	18.3733	-65.9069

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110070220926	SUPERMERCADOS ECONO NEW WAREHOUSE AND DISTRIBUTION CENTER	ROAD PR-3 AND PR-9959, KM 15.21, CANOVANILLAS WARD, CANOVANAS, PR 00729	Canóvanas Municipio
ICIS-NPDES	CWA	PRR10004D	SUPERMERCADOS ECONO NEW WAREHOUSE AND DISTRIBUTION CENTER	ROAD PR-3 AND PR-9959, KM 15.21, CANOVANILLAS WARD, CANOVANAS, PR 00729	

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Industrial Effluent Guidelines

Identifier	Effluent Guideline (40 CFR Part)	Effluent Guideline Description

No data records returned

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

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

No data records returned

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CWA	PRR10004D	No	12/31/2024	0	06/06/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
CWA (Source ID: PRR10004D)		01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24
	Facility-Level Status	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit
	Quarterly Noncompliance Report History											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

Formal Enforcement Actions

Last 5 Years

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

No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
210100050414	Rio Grande de Loiza at mouth	BOCAFORMA CREEK, CAMBUTE CREEK, PALUSTRINE WETLAND	No	No	--	Yes

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
PR	2024	PREE14A	RIO GRANDE DE LOIZA ESTUARY	Impaired - With Restoration Plan	PATHOGENS	--	Insufficient Information	--	Not Supporting	--

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

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

DMR and TRI Multi-Year Loading Report

NPDES ID	Description

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))	
Total Persons	10,534
Population Density	3,424/sq.mi.
Housing Units in Area	4,268
Percent People of Color	100%
Households in Area	3,692
Households on Public Assistance	107
Persons With Low Income	6,080
Percent With Low Income	58%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.3733
Center Longitude	-65.9069
Total Area	--
Land Area	99%
Water Area	1%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	693 (18.76%)
$15,000 - $25,000	624 (16.89%)
$25,000 - $50,000	1,038 (28.1%)
$50,000 - $75,000	639 (17.3%)
Greater than $75,000	700 (18.95%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	301 (3%)
Minors 17 years and younger	1,668 (16%)
Adults 18 years and older	8,867 (84%)
Seniors 65 years and older	2,026 (19%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	3,108 (30%)
African-American	2,114 (20%)
Hispanic-Origin	10,504 (100%)
Asian	4 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	3 (0%)
Other/Multiracial	2,841 (27%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	447 (5.71%)
9th through 12th Grade	413 (5.27%)
High School Diploma	1,945 (24.83%)
Some College/2-year	993 (12.68%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,841 (36.27%)

Detailed Facility Report

Facility Summary

BRISAS DE LOIZA STP

PR-874 KM 7.1, CANOVANAS, PR 00729

FRS (Facility Registry Service) ID: 110007803939

EPA Region: 02

Latitude: 18.373688

Longitude: -65.901655

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 Other, (PRD000689331)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Go To Enforcement/Compliance Details

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007803939					N	18.373688	-65.901655
RCRAInfo	RCRA	PRD000689331	Other	Inactive ( )			N	18.373688	-65.901655

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007803939	BRISAS DE LOIZA STP	PR-874 KM 7.1, CANOVANAS, PR 00729	Canóvanas Municipio
RCRAInfo	RCRA	PRD000689331	BRISAS DE LOIZA STP	STATE RD 874 KM 7.1, CANOVANAS, PR 00629	Canóvanas Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
RCRAInfo	PRD000689331	22132	Sewage Treatment Facilities

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

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

No data records returned

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRD000689331	No	06/07/2025	0	06/06/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRD000689331)			07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

Formal Enforcement Actions

Last 5 Years

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

No data records returned

Environmental Conditions

Watersheds

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

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

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

No data records returned

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))	
Total Persons	10,522
Population Density	3,416/sq.mi.
Housing Units in Area	4,158
Percent People of Color	100%
Households in Area	3,621
Households on Public Assistance	101
Persons With Low Income	5,837
Percent With Low Income	56%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.373688
Center Longitude	-65.901655
Total Area	--
Land Area	99%
Water Area	1%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	648 (17.88%)
$15,000 - $25,000	541 (14.92%)
$25,000 - $50,000	1,073 (29.6%)
$50,000 - $75,000	594 (16.39%)
Greater than $75,000	769 (21.21%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	319 (3%)
Minors 17 years and younger	1,761 (17%)
Adults 18 years and older	8,759 (83%)
Seniors 65 years and older	1,891 (18%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	3,118 (30%)
African-American	2,051 (19%)
Hispanic-Origin	10,493 (100%)
Asian	15 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	12 (0%)
Other/Multiracial	2,827 (27%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	429 (5.58%)
9th through 12th Grade	378 (4.92%)
High School Diploma	1,756 (22.85%)
Some College/2-year	1,016 (13.22%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,882 (37.51%)

Detailed Facility Report

Facility Summary

AMERICAN PROPERTIES CORP

PR-874 KM 1.1, CANOVANAS, PR 00729

FRS (Facility Registry Service) ID: 110007810495

EPA Region: 02

Latitude: 18.373481

Longitude: -65.900869

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	12/22/1998
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRD987369675)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Go To Enforcement/Compliance Details

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007810495					N	18.373481	-65.900869
RCRAInfo	RCRA	PRD987369675	Other	Inactive ( )			N	18.373481	-65.900869

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007810495	AMERICAN PROPERTIES CORP	PR-874 KM 1.1, CANOVANAS, PR 00729	Canóvanas Municipio
RCRAInfo	RCRA	PRD987369675	AMERICAN PROPERTIES CORP	STATE RD 874 KM 1.1, CANOVANAS, PR 00629	Canóvanas Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

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

No data records returned

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRD987369675	No	06/07/2025	0	06/06/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRD987369675)			07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

Formal Enforcement Actions

Last 5 Years

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

No data records returned

Environmental Conditions

Watersheds

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

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

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

No data records returned

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))	
Total Persons	10,415
Population Density	3,379/sq.mi.
Housing Units in Area	4,078
Percent People of Color	100%
Households in Area	3,570
Households on Public Assistance	99
Persons With Low Income	5,690
Percent With Low Income	55%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.373481
Center Longitude	-65.900869
Total Area	--
Land Area	99%
Water Area	1%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	625 (17.52%)
$15,000 - $25,000	512 (14.35%)
$25,000 - $50,000	1,059 (29.68%)
$50,000 - $75,000	584 (16.37%)
Greater than $75,000	788 (22.09%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	313 (3%)
Minors 17 years and younger	1,778 (17%)
Adults 18 years and older	8,637 (83%)
Seniors 65 years and older	1,827 (18%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	3,106 (30%)
African-American	2,017 (19%)
Hispanic-Origin	10,386 (100%)
Asian	17 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	13 (0%)
Other/Multiracial	2,787 (27%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	420 (5.56%)
9th through 12th Grade	361 (4.78%)
High School Diploma	1,681 (22.24%)
Some College/2-year	1,004 (13.28%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,871 (37.98%)

Detailed Facility Report

Facility Summary

EXTENSION CANOVANAS PLAZA RIAL II

CARR. PR-185 KM 0.07, CANOVANAS, PR 00729

FRS (Facility Registry Service) ID: 110070568020

EPA Region: 02

Latitude: 18.3731

Longitude: -65.9014

Locational Data Source: NPDES

Industries: --

Indian Country: N

Enforcement and Compliance Summary

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

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): Non-Major, Permit Terminated; Compliance Tracking Off (PRR10008A), Non-Major, Permit Terminated; Compliance Tracking Off (PRR10008F)

Resource Conservation and Recovery Act (RCRA): No Information

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Go To Enforcement/Compliance Details

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110070568020					N	18.3731	-65.9014
ICIS-NPDES	CWA	PRR10008A	Non-Major: General Permit Covered Facility	Terminated; Compliance Tracking Off	Construction Stormwater	02/15/2022	N	18.3731	-65.9014
ICIS-NPDES	CWA	PRR10008F	Non-Major: General Permit Covered Facility	Terminated; Compliance Tracking Off	Construction Stormwater	02/15/2022	N	18.3731	-65.9014

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110070568020	EXTENSION CANOVANAS PLAZA RIAL II	CARR. PR-185 KM 0.07, CANOVANAS, PR 00729	Canóvanas Municipio
ICIS-NPDES	CWA	PRR10008A	EXTENSION CANOVANAS PLAZA RIAL II	CARR. PR-185 KM 0.07, CANOVANAS, PR 00729	
ICIS-NPDES	CWA	PRR10008F	EXTENSION CANOVANAS PLAZA RIAL II	CARR. PR-185 KM 0.07, CANOVANAS, PR 00729	

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Industrial Effluent Guidelines

Identifier	Effluent Guideline (40 CFR Part)	Effluent Guideline Description

No data records returned

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

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

No data records returned

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
CWA	PRR10008A	No	12/31/2024	0	06/06/2025
CWA	PRR10008F	No	12/31/2024	0	06/06/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
CWA (Source ID: PRR10008A)		01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24
	Facility-Level Status	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit
	Quarterly Noncompliance Report History											
CWA (Source ID: PRR10008F)		01/01-03/31/22	04/01-06/30/22	07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24
	Facility-Level Status	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit	Terminated Permit
	Quarterly Noncompliance Report History											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

Formal Enforcement Actions

Last 5 Years

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

No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
210100050414	Rio Grande de Loiza at mouth	BOCAFORMA CREEK	No	No	--	Yes

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
PR	2024	PREE14A	RIO GRANDE DE LOIZA ESTUARY	Impaired - With Restoration Plan	PATHOGENS	--	Insufficient Information	--	Not Supporting	--

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

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

DMR and TRI Multi-Year Loading Report

NPDES ID	Description

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))	
Total Persons	10,556
Population Density	3,425/sq.mi.
Housing Units in Area	4,150
Percent People of Color	100%
Households in Area	3,624
Households on Public Assistance	101
Persons With Low Income	5,803
Percent With Low Income	55%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.3731
Center Longitude	-65.9014
Total Area	--
Land Area	99%

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	320 (3%)
Minors 17 years and younger	1,778 (17%)
Adults 18 years and older	8,779 (83%)
Seniors 65 years and older	1,879 (18%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	3,140 (30%)
African-American	2,045 (19%)
Hispanic-Origin	10,527 (100%)
Asian	16 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	13 (0%)
Other/Multiracial	2,825 (27%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	424 (5.51%)

Geography	
Water Area	1%
Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	637 (17.6%)
$15,000 - $25,000	533 (14.72%)
$25,000 - $50,000	1,070 (29.56%)
$50,000 - $75,000	593 (16.38%)
Greater than $75,000	787 (21.74%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
9th through 12th Grade	369 (4.79%)
High School Diploma	1,741 (22.62%)
Some College/2-year	1,021 (13.26%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,908 (37.78%)

Detailed Facility Report

Facility Summary

ALUMINUM EXTRUSSION CORP

PR-185 KM 0.65, CANOVANAS, PR 00729

FRS (Facility Registry Service) ID: 110007805688

EPA Region: 02

Latitude: 18.373702

Longitude: -65.899955

Locational Data Source: TRIS

Industries: Fabricated Metal Product Manufacturing

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	01/21/2004
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRD090000068), Inactive Other, (PRN008011124)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): 00629LMNMP185RO

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

Go To Enforcement/Compliance Details

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110007805688					N	18.373702	-65.899955
TRI	EP313	00629LMNMP185RO	Toxics Release Inventory	Last Reported for 1992			N	18.373702	-65.899955
RCRAInfo	RCRA	PRD090000068	Other	Inactive ( )			N	18.373702	-65.899955
RCRAInfo	RCRA	PRN008011124	Other	Inactive ( )			N	18.373702	-65.899955

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110007805688	ALUMINUM EXTRUSSION CORP	PR-185 KM 0.65, CANOVANAS, PR 00729	Canóvanas Municipio
TRI	EP313	00629LMNMP185RO	ALUMINUM PROCESSING CORP	185 STATE RD KM 065, CANOVANAS, PR 00729	Canóvanas Municipio
RCRAInfo	RCRA	PRD090000068	ALUMINUM EXTRUSSION CORP	RD 185 KM 0.65, CANOVANAS, PR 00629	Canóvanas Municipio
RCRAInfo	RCRA	PRN008011124	PERFILES DE ALUMINIO	STATE RD 185 KM 0.65, CANOVANAS, PR 00729-1622	Canóvanas Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
TRI	00629LMNMP185RO	3354	Aluminum Extruded Products
TRI	00629LMNMP185RO	3471	Plating And Polishing

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
TRI	00629LMNMP185RO	332813	Electroplating, Plating, Polishing, Anodizing, and Coloring
RCRAInfo	PRD090000068	331316	Aluminum Extruded Product Manufacturing

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

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

No data records returned

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRD090000068	No	06/07/2025	0	06/06/2025
RCRA	PRN008011124	No	06/07/2025	0	06/06/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRD090000068)			07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											
RCRA (Source ID: PRN008011124)			07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

Formal Enforcement Actions

Last 5 Years

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

No data records returned

Environmental Conditions

Watersheds

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

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

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

No data records returned

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))	
Total Persons	10,155
Population Density	3,294/sq.mi.
Housing Units in Area	3,950
Percent People of Color	100%
Households in Area	3,470
Households on Public Assistance	96
Persons With Low Income	5,462
Percent With Low Income	54%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.373702
Center Longitude	-65.899955
Total Area	--
Land Area	99%
Water Area	1%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	598 (17.25%)
$15,000 - $25,000	478 (13.79%)
$25,000 - $50,000	1,028 (29.66%)
$50,000 - $75,000	567 (16.36%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	306 (3%)
Minors 17 years and younger	1,781 (18%)
Adults 18 years and older	8,375 (82%)
Seniors 65 years and older	1,725 (17%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	3,053 (30%)
African-American	1,932 (19%)
Hispanic-Origin	10,126 (100%)
Asian	20 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	15 (0%)
Other/Multiracial	2,723 (27%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	403 (5.52%)
9th through 12th Grade	336 (4.6%)
High School Diploma	1,578 (21.6%)
Some College/2-year	976 (13.36%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,816 (38.54%)

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Greater than $75,000	795 (22.94%)

Detailed Facility Report

Facility Summary

PROJECT POUCH INC NSC PR INC

PR-185 KM 0.6, CANOVANAS, PR 00729

FRS (Facility Registry Service) ID: 110015588078

EPA Region: 02

Latitude: 18.374136

Longitude: -65.899812

Locational Data Source: RCRAINFO

Industries: --

Indian Country: N

Enforcement and Compliance Summary

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

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRN008012734)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Go To Enforcement/Compliance Details

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110015588078					N	18.374136	-65.899812
RCRAInfo	RCRA	PRN008012734	Other	Inactive ( )			N	18.374136	-65.899812

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110015588078	PROJECT POUCH INC NSC PR INC	PR-185 KM 0.6, CANOVANAS, PR 00729	Canóvanas Municipio
RCRAInfo	RCRA	PRN008012734	PROJECT POUCH INC NSC PR INC	RD 185 KM 0.6, CANOVANAS, PR 00729	Canóvanas Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

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

No data records returned

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRN008012734	No	06/07/2025	0	06/06/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRN008012734)			07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

Formal Enforcement Actions

Last 5 Years

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

No data records returned

Environmental Conditions

Watersheds

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

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

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

No data records returned

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))	
Total Persons	10,048
Population Density	3,261/sq.mi.
Housing Units in Area	3,912
Percent People of Color	100%
Households in Area	3,437
Households on Public Assistance	97
Persons With Low Income	5,412
Percent With Low Income	54%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.374136
Center Longitude	-65.899812
Total Area	--
Land Area	99%
Water Area	1%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	599 (17.43%)
$15,000 - $25,000	473 (13.76%)
$25,000 - $50,000	1,019 (29.65%)
$50,000 - $75,000	560 (16.29%)
Greater than $75,000	786 (22.87%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	300 (3%)
Minors 17 years and younger	1,769 (18%)
Adults 18 years and older	8,279 (82%)
Seniors 65 years and older	1,700 (17%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	3,027 (30%)
African-American	1,911 (19%)
Hispanic-Origin	10,019 (100%)
Asian	20 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	15 (0%)
Other/Multiracial	2,699 (27%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	403 (5.58%)
9th through 12th Grade	334 (4.63%)
High School Diploma	1,554 (21.53%)
Some College/2-year	964 (13.36%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,780 (38.51%)

Detailed Facility Report

Facility Summary

ESSO STANDARD OIL CO PR 3P-233

PR-185 KM 2.6, CANOVANAS, PR 00729

FRS (Facility Registry Service) ID: 110018900670

EPA Region: 02

Latitude: 18.375032

Longitude: -65.899972

Locational Data Source: RCRAINFO

Industries: Gasoline Stations

Indian Country: N

Enforcement and Compliance Summary

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

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Active VSQG, (PRR000017293)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Go To Enforcement/Compliance Details

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110018900670					N	18.375032	-65.899972
RCRAInfo	RCRA	PRR000017293	VSQG	Active (H)			N	18.375032	-65.899972

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110018900670	ESSO STANDARD OIL CO PR 3P-233	PR-185 KM 2.6, CANOVANAS, PR 00729	Canóvanas Municipio
RCRAInfo	RCRA	PRR000017293	ESSO STANDARD OIL CO PR 3P-233	CARR 185 KM 2.6, CANOVANAS, PR 00729	Canóvanas Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
RCRAInfo	PRR000017293	44711	Gasoline Stations with Convenience Stores
RCRAInfo	PRR000017293	44719	Other Gasoline Stations

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

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

No data records returned

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRR000017293	No	06/07/2025	0	06/06/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRR000017293)			07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

Formal Enforcement Actions

Last 5 Years

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

No data records returned

Environmental Conditions

Watersheds

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

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

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

No data records returned

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))	
Total Persons	9,937
Population Density	3,228/sq.mi.
Housing Units in Area	3,892
Percent People of Color	100%
Households in Area	3,409
Households on Public Assistance	97
Persons With Low Income	5,419
Percent With Low Income	55%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.375032
Center Longitude	-65.899972
Total Area	--
Land Area	99%
Water Area	1%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	608 (17.82%)
$15,000 - $25,000	480 (14.07%)
$25,000 - $50,000	1,016 (29.79%)
$50,000 - $75,000	548 (16.07%)
Greater than $75,000	759 (22.25%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	298 (3%)
Minors 17 years and younger	1,738 (17%)
Adults 18 years and older	8,199 (83%)
Seniors 65 years and older	1,700 (17%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,974 (30%)
African-American	1,917 (19%)
Hispanic-Origin	9,908 (100%)
Asian	19 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	14 (0%)
Other/Multiracial	2,680 (27%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	410 (5.74%)
9th through 12th Grade	342 (4.78%)
High School Diploma	1,559 (21.81%)
Some College/2-year	948 (13.26%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,721 (38.06%)

Detailed Facility Report

Facility Summary

TANAMA FARMS

PR-185 KM 0.9 AGATA ST FINAL, CANOVANAS, PR 00729

FRS (Facility Registry Service) ID: 110012565795

EPA Region: 02

Latitude: 18.37413

Longitude: -65.89509

Locational Data Source: FRS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

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

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (PRN008011173)

Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

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

Go To Enforcement/Compliance Details

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

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110012565795					N	18.37413	-65.89509
RCRAInfo	RCRA	PRN008011173	Other	Inactive ( )			N	18.371545	-65.900662

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110012565795	TANAMA FARMS	PR-185 KM 0.9 AGATA ST FINAL, CANOVANAS, PR 00729	Canóvanas Municipio
RCRAInfo	RCRA	PRN008011173	TANAMA FARMS	RD 185 KM 0.9 AGATA ST FINAL, CANOVANAS, PR 00729	Canóvanas Municipio

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description

No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description

No data records returned

Facility Tribe Information

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

No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

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

No data records returned

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

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	PRN008011173	No	06/07/2025	0	06/06/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11
RCRA (Source ID: PRN008011173)			07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency											

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date

No data records returned

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

Formal Enforcement Actions

Last 5 Years

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

No data records returned

Environmental Conditions

Watersheds

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

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

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

No data records returned

Air Quality Nonattainment Areas

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

No data records returned

Pollutants

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

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

No data records returned

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

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

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

General Statistics (ACS (American Community Survey))	
Total Persons	8,837
Population Density	2,859/sq.mi.
Housing Units in Area	3,346
Percent People of Color	100%
Households in Area	2,989
Households on Public Assistance	92
Persons With Low Income	4,345
Percent With Low Income	49%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	18.37413
Center Longitude	-65.89509
Total Area	--
Land Area	99%
Water Area	1%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than $15,000	479 (16.02%)
$15,000 - $25,000	338 (11.3%)
$25,000 - $50,000	855 (28.6%)
$50,000 - $75,000	490 (16.39%)
Greater than $75,000	828 (27.69%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	260 (3%)
Minors 17 years and younger	1,807 (20%)
Adults 18 years and older	7,028 (80%)
Seniors 65 years and older	1,190 (13%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	2,860 (32%)
African-American	1,340 (15%)
Hispanic-Origin	8,808 (100%)
Asian	32 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	25 (0%)
Other/Multiracial	2,499 (28%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	308 (5.13%)
9th through 12th Grade	209 (3.48%)
High School Diploma	1,081 (17.99%)
Some College/2-year	824 (13.71%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,553 (42.49%)

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Property Details for SOLARES 1 y 2 DEL L-367-0-76 (SITE 23)

On this page:

- Profile Information
- Property Location
- Property Progress
- CAs Associated with this Property
- Assessment Activities at this Property
- Climate Adaption and Mitigation - Planning or Assessment
- Contaminants and Media
- Cleanup Activities
- Climate Adaption and Mitigation - Demolition or Cleanup
- Institutional & Engineering Controls
- Redevelopment and Other Leveraged Accomplishments
- Climate Adaption and Mitigation - Redevelopment
- Additional Property Attributes

Legal Notices <https://www.epa.gov/cleanups/cimc-legal-notices>

Profile Information

Property Alias	
Property Owner	**Government**
ACRES Property ID	**149761**
Property Address	**PR-185 Km. 0.9, Street No. 3, Industrial Park Pueblo Ward Canovanas, PR 00729**
Size	**4.35**
Parcel Numbers	
Latitude/Longitude	**18.372623 / -65.902493**
Congressional District	**1**
Property Contact	**P&#65533;z-Plaza, Lydia** **irizarryileana@hotmail.com** **787-256-6878**

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Property Location

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Property Progress

Assessment	☑
Clean Up	✗
Institutional Controls in Place	✗
Engineering Controls in Place	✗
Ready for Anticipated Use	✗
Redevelopment Underway	✗

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CAs Associated with this Property

CA Name	CA #	State	Type	Announcement Year
Canovanas, Municipality of	BF97243208	PR	Assessment	2008

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Assessment Activities at this Property

Activity	EPA Funding	Start Date	Completion Date	CA	Accomplishment Counted?	Counted When?
Phase I Environmental Assessment	$3,000.00	07/14/2011	12/09/2011	Canovanas, Municipality of	Y	FY12

Is Cleanup Necessary? **Unknown**
EPA Assessment Funding: **$3,000.00**

Leveraged Funding:
Total Funding: **$3,000.00**

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Climate Adaption and Mitigation - Planning or Assessment

There is no data for Climate Adaption and Mitigation - Planning or Assessment.

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Contaminants and Media

Contaminant Found
Petroleum Products
Media Affected
Soil

Remediating Action for Contaminants
NOT Cleaned up
Remediating Action for Media
NOT Cleaned up

Top of Pag

Cleanup Activities

There are no current cleanup activities.

Cleanup/Treatment Implemented:
Cleanup/Treatement Categories:
Addl Cleanup/Treatment info:
Address of Data Source:

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Climate Adaption and Mitigation - Demolition or Cleanup

There is no data for Climate Adaption and Mitigation - Demolition or Cleanup.

Top of Pag

Institutional and Engineering Controls

Indicate whether Institutional Controls are required	**U**
Categories of Controls	
Additional Institutional Controls Information	
Address of Data Source (URL if available)	
Are Institutional Controls in Place	**No**
Date Institutional Controls were put in place	
Indicate whether Engineering Controls are required	**U**
Categories of Controls	
Additional Engineering controls information	
Address of Data Source (URL if available)	
Indicate whether Engineering Controls are in place	**No**
Date Engineering Controls were put in place	

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Redevelopment and Other Leveraged Accomplishments

There are no current redevelopment activities.

Number of Redevelopment Jobs Leveraged:

Actual Acreage of Greenspace Created:

Leveraged Funding:

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Climate Adaption and Mitigation - Redevelopment

There is no data for Climate Adaption and Mitigation – Redevelopment

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Additional Property Attributes

Property Highlights	**Former Use: The Property has been a vacant lot covered with vegetation at least since 1937 until 2011, exce for the mechanical shop operation located at the east of the Property. The property is owned by the Puerto Rico Industrial Development Company (PRIDCO).**
Predominant Past Usage	**Greenspace (4.35)**
What types of funding are being used on this property?	**Hazardous**
State and Tribal Program Information	
Date No Further Action Letter Received	
Date Letter/Signed Report Received from a Qualified Professional	
Other Cleanup Documentation	

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<https://www.epa.gov/ocr/whistleblower-protections-epa-and-how-they-relate-non-disclosure-agreements-signed-epa-employees>

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Property Details for Downtown's Old Dairy (Site 1-H)

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- CAs Associated with this Property
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- Contaminants and Media
- Cleanup Activities
- Climate Adaption and Mitigation - Demolition or Cleanup
- Institutional & Engineering Controls
- Redevelopment and Other Leveraged Accomplishments
- Climate Adaption and Mitigation - Redevelopment
- Additional Property Attributes

Legal Notices <https://www.epa.gov/cleanups/cimc-legal-notices>

Profile Information

Property Alias	**Site 1-H**
Property Owner	**Government**
ACRES Property ID	**239394**
Property Address	**Autonom&#65533;Street and Mu&#65533;oz Rivera Street corner CANOVANAS, PR 00729**
Size	**.12**
Parcel Numbers	**089-086-017-08-901**
Latitude/Longitude	**18.37868327 / -65.90159636**
Congressional District	**1**
Property Contact	**P&#65533;z-Plaza, Lydia** **irizarryileana@hotmail.com** **787-256-6878**

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Property Location

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Property Progress

Assessment
Clean Up
Institutional Controls in Place
Engineering Controls in Place
Ready for Anticipated Use
Redevelopment Underway

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CAs Associated with this Property

CA Name	CA #	State	Type	Announcement Year
Canovanas, Municipality of	BF97243208	PR	Assessment	2008

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Assessment Activities at this Property

Activity	EPA Funding	Start Date	Completion Date	CA	Accomplishment Counted?	Counted When?
Phase I Environmental Assessment	$4,731.00	11/15/2017	01/30/2018	Canovanas, Municipality of	Y	FY22

Is Cleanup Necessary? **No**
EPA Assessment Funding: **$4,731.00**

Leveraged Funding:
Total Funding: **$4,731.00**

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Climate Adaption and Mitigation - Planning or Assessment

There is no data for Climate Adaption and Mitigation - Planning or Assessment.

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Contaminants and Media

Contaminant Found
Unknown

Media Affected

Remediating Action for Contaminants

Remediating Action for Media

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Cleanup Activities

There are no current cleanup activities.

Cleanup/Treatment Implemented:
Cleanup/Treatement Categories:
Addl Cleanup/Treatment info:
Address of Data Source:

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Climate Adaption and Mitigation - Demolition or Cleanup

There is no data for Climate Adaption and Mitigation - Demolition or Cleanup.

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Institutional and Engineering Controls

Indicate whether Institutional Controls are required	**U**
Categories of Controls	
Additional Institutional Controls Information	
Address of Data Source (URL if available)	
Are Institutional Controls in Place	
Date Institutional Controls were put in place	
Indicate whether Engineering Controls are required	
Categories of Controls	
Additional Engineering controls information	
Address of Data Source (URL if available)	
Indicate whether Engineering Controls are in place	
Date Engineering Controls were put in place	

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Redevelopment and Other Leveraged Accomplishments

There are no current redevelopment activities.

Number of Redevelopment Jobs Leveraged:

Actual Acreage of Greenspace Created:

Leveraged Funding:

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Climate Adaption and Mitigation - Redevelopment

There is no data for Climate Adaption and Mitigation – Redevelopment

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Additional Property Attributes

Property Highlights	**Former Use: The history of the Subject Site occurs parallel to the development of the town around 1917 whe cattle rancher Jos&#65533;lores Mundo built his dairy and warehouse on the site. Later on, the structure became a apothecary, the municipal's bucher shop, and dwelling of the Mundo Pag&#65533;Family. The structure was abandoned in 1972.**
Predominant Past Usage	**Commercial (.12)**
What types of funding are being used on this property?	**Hazardous**
State and Tribal Program Information	
Date No Further Action Letter Received	
Date Letter/Signed Report Received from a Qualified Professional	
Other Cleanup Documentation	

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Property Details for TWO ADJACENT ABANDONED RESIDENCES (SITE 9-H)

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- Climate Adaption and Mitigation - Planning or Assessment
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- Cleanup Activities
- Climate Adaption and Mitigation - Demolition or Cleanup
- Institutional & Engineering Controls
- Redevelopment and Other Leveraged Accomplishments
- Climate Adaption and Mitigation - Redevelopment
- Additional Property Attributes

Legal Notices <https://www.epa.gov/cleanups/cimc-legal-notices>

Profile Information

Property Alias	**SITE 9-H**
Property Owner	**Government**
ACRES Property ID	**239395**
Property Address	**#76 & # 78 Pepita Albandoz Street Can&#65533;vanas, PR 00729**
Size	**.12**
Parcel Numbers	
Latitude/Longitude	**18.378073174550153 / -65.89985847473146**
Congressional District	**1**
Property Contact	**P&#65533;z-Plaza, Lydia** **irizarryileana@hotmail.com** **787-256-6878**

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Property Location

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Property Progress

Assessment
Clean Up
Institutional Controls in Place
Engineering Controls in Place
Ready for Anticipated Use
Redevelopment Underway

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CAs Associated with this Property

CA Name	CA #	State	Type	Announcement Year
Canovanas, Municipality of	BF97243208	PR	Assessment	2008

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Assessment Activities at this Property

Activity	EPA Funding	Start Date	Completion Date	CA	Accomplishment Counted?	Counted When?
Phase I Environmental Assessment	$4,731.00	11/21/2017	01/31/2018	Canovanas, Municipality of	Y	FY22

Is Cleanup Necessary? **No**
EPA Assessment Funding: **$4,731.00**

Leveraged Funding:
Total Funding: **$4,731.00**

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Climate Adaption and Mitigation - Planning or Assessment

There is no data for Climate Adaption and Mitigation - Planning or Assessment.

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Contaminants and Media

Contaminant Found
Unknown

Media Affected

Remediating Action for Contaminants

Remediating Action for Media

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Cleanup Activities

There are no current cleanup activities.

Cleanup/Treatment Implemented:
Cleanup/Treatement Categories:
Addl Cleanup/Treatment info:
Address of Data Source:

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Climate Adaption and Mitigation - Demolition or Cleanup

There is no data for Climate Adaption and Mitigation - Demolition or Cleanup.

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Institutional and Engineering Controls

Indicate whether Institutional Controls are required	**U**
Categories of Controls	
Additional Institutional Controls Information	
Address of Data Source (URL if available)	
Are Institutional Controls in Place	
Date Institutional Controls were put in place	
Indicate whether Engineering Controls are required	
Categories of Controls	
Additional Engineering controls information	
Address of Data Source (URL if available)	
Indicate whether Engineering Controls are in place	
Date Engineering Controls were put in place	

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Redevelopment and Other Leveraged Accomplishments

There are no current redevelopment activities.

Number of Redevelopment Jobs Leveraged:

Actual Acreage of Greenspace Created:

Leveraged Funding:

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Climate Adaption and Mitigation - Redevelopment

There is no data for Climate Adaption and Mitigation – Redevelopment

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Additional Property Attributes

Property Highlights	**Former Use: The Subject Site has been used as residence for at least 45 years.**
Predominant Past Usage	**Residential (.12)**
What types of funding are being used on this property?	**Hazardous**
State and Tribal Program Information	
Date No Further Action Letter Received	
Date Letter/Signed Report Received from a Qualified Professional	
Other Cleanup Documentation	

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Property Details for ABANDONED GAS STATION (192) (SITE 1-P)

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- Institutional & Engineering Controls
- Redevelopment and Other Leveraged Accomplishments
- Climate Adaption and Mitigation - Redevelopment
- Additional Property Attributes

Legal Notices <https://www.epa.gov/cleanups/cimc-legal-notices>

Profile Information

Property Alias	**Site 1-P**
Property Owner	**Private**
ACRES Property ID	**239399**
Property Address	**PALMER STREET (PR-9959) KM 1.1 CANOVANAS, PR 00729**
Size	**.32**
Parcel Numbers	**089-077-036-03-000**
Latitude/Longitude	**18.3807230 / -65.8979020**
Congressional District	**1**
Property Contact	**P&#65533;z-Plaza, Lydia** **irizarryileana@hotmail.com** **787-256-6878**

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Property Location

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Property Progress

- Assessment ✖
- Clean Up ✖
- Institutional Controls in Place ✖
- Engineering Controls in Place ✖
- Ready for Anticipated Use ✖
- Redevelopment Underway ✖

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CAs Associated with this Property

CA Name	CA #	State	Type	Announcement Year
Canovanas, Municipality of	BF97243308	PR	Assessment	2008

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Assessment Activities at this Property

Activity	EPA Funding	Start Date	Completion Date	CA	Accomplishment Counted?	Counted When?
Phase I Environmental Assessment	$4,731.00	11/03/2017	02/28/2018	Canovanas, Municipality of	Y	FY22

Is Cleanup Necessary? **Unknown**
EPA Assessment Funding: **$4,731.00**

Leveraged Funding:
Total Funding: **$4,731.00**

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Climate Adaption and Mitigation - Planning or Assessment

There is no data for Climate Adaption and Mitigation - Planning or Assessment.

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Contaminants and Media

Contaminant Found
Media Affected

Remediating Action for Contaminants
Remediating Action for Media

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Cleanup Activities

There are no current cleanup activities.

Cleanup/Treatment Implemented:
Cleanup/Treatement Categories:
Addl Cleanup/Treatment info:
Address of Data Source:

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Climate Adaption and Mitigation - Demolition or Cleanup

There is no data for Climate Adaption and Mitigation - Demolition or Cleanup.

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Institutional and Engineering Controls

Indicate whether Institutional Controls are required	**U**
Categories of Controls	
Additional Institutional Controls Information	
Address of Data Source (URL if available)	
Are Institutional Controls in Place	
Date Institutional Controls were put in place	
Indicate whether Engineering Controls are required	
Categories of Controls	
Additional Engineering controls information	
Address of Data Source (URL if available)	
Indicate whether Engineering Controls are in place	
Date Engineering Controls were put in place	

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Redevelopment and Other Leveraged Accomplishments

There are no current redevelopment activities.

Number of Redevelopment Jobs Leveraged:

Actual Acreage of Greenspace Created:

Leveraged Funding:

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Climate Adaption and Mitigation - Redevelopment

There is no data for Climate Adaption and Mitigation – Redevelopment

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Additional Property Attributes

Property Highlights	**Former Use: From the historical aerial images is observed that the Subject Site was developed between the decades of the 1960's and the 1970's; where soil movement is observed during the 1960's, however it is not clear the type of construction. However, the use of the property as a gas station takes place more or less in the late 70's with the Chevron Gasoline Trademark, then during the decade of the 80's with Gulf Gasoline.**
Predominant Past Usage	**Commercial (.32)**
What types of funding are being used on this property?	**Petroleum**
State and Tribal Program Information	
Date No Further Action Letter Received	
Date Letter/Signed Report Received from a Qualified Professional	
Other Cleanup Documentation	

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Property Details for ABANDONED MACHINE SHOP, TIRE CENTER(SITE 1.2017-P)

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- Climate Adaption and Mitigation - Redevelopment
- Additional Property Attributes

Legal Notices <https://www.epa.gov/cleanups/cimc-legal-notices>

Profile Information

Property Alias	**Site 1-2017-P**
Property Owner	**Private**
ACRES Property ID	**239408**
Property Address	**BETWEEN PALMER STREET (NORTH) AND PEPITA ALBANDOZ STREET (SOUTH) CANOVANAS, PR 00729**
Size	**.11**
Parcel Numbers	**089-077-046-17-001**
Latitude/Longitude	**18.3803350 / -65.8958520**
Congressional District	**1**
Property Contact	**P&#65533;z-Plaza, Lydia** **irizarryileana@hotmail.com** **787-256-6878**

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Property Location

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Property Progress

Assessment
Clean Up
Institutional Controls in Place
Engineering Controls in Place
Ready for Anticipated Use
Redevelopment Underway

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CAs Associated with this Property

CA Name	CA #	State	Type	Announcement Year
Canovanas, Municipality of	BF97243308	PR	Assessment	2008

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Assessment Activities at this Property

Activity	EPA Funding	Start Date	Completion Date	CA	Accomplishment Counted?	Counted When?
Phase I Environmental Assessment	$4,731.00	02/02/2018	02/28/2018	Canovanas, Municipality of	Y	FY22

Is Cleanup Necessary? **No**
EPA Assessment Funding: **$4,731.00**

Leveraged Funding:
Total Funding: **$4,731.00**

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Climate Adaption and Mitigation - Planning or Assessment

There is no data for Climate Adaption and Mitigation - Planning or Assessment.

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Contaminants and Media

Contaminant Found
Media Affected

Remediating Action for Contaminants
Remediating Action for Media

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Cleanup Activities

There are no current cleanup activities.

Cleanup/Treatment Implemented:
Cleanup/Treatement Categories:
Addl Cleanup/Treatment info:
Address of Data Source:

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Climate Adaption and Mitigation - Demolition or Cleanup

There is no data for Climate Adaption and Mitigation - Demolition or Cleanup.

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Institutional and Engineering Controls

Indicate whether Institutional Controls are required	**U**
Categories of Controls	
Additional Institutional Controls Information	
Address of Data Source (URL if available)	
Are Institutional Controls in Place	
Date Institutional Controls were put in place	
Indicate whether Engineering Controls are required	
Categories of Controls	
Additional Engineering controls information	
Address of Data Source (URL if available)	
Indicate whether Engineering Controls are in place	
Date Engineering Controls were put in place	

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Redevelopment and Other Leveraged Accomplishments

There are no current redevelopment activities.

Number of Redevelopment Jobs Leveraged:

Actual Acreage of Greenspace Created:

Leveraged Funding:

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Climate Adaption and Mitigation - Redevelopment

There is no data for Climate Adaption and Mitigation – Redevelopment

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Additional Property Attributes

Property Highlights	**Former Use: Historical aerial images demonstrate that the subject site was built between the 1967 and 1977 Prior to 1967 only the western portion of Jardines de Can&#65533;vanas was built. Currently the Palmer Street has many small business along its alignment, as well as churches and schools making it one of the main streets the Municipality.**
Predominant Past Usage	**Commercial (.11)**
What types of funding are being used on this property?	**Petroleum**
State and Tribal Program Information	
Date No Further Action Letter Received	
Date Letter/Signed Report Received from a Qualified Professional	
Other Cleanup Documentation	

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JUNTA DE CALIDAD AMBIENTAL

Área de Calidad de Agua

OGPe Oficina de Gerencia de Permisos

Forma PGC-009

CERTIFICACION DE NO PRESENCIA DE ASBESTO EN ESTRUCTURAS A DEMOLERSE

(Deberá completarse en letra de molde o impresa)

NUM. PERMISO: _____

Yo, Yousev García Ramos (Nombre), mayor de edad, soltero (Estado Civil), y vecino de Luquillo (Municipio)

Dirección Postal 130 Winston Churchill Ave. PMB 145, San Juan PR 00926 (Pueblo) (Zip Code)

Teléfonos: Residencial (787) 960 - 2002 Oficina (_____) _____ - _____ Ext._____

Fax (_____) _____ - _____

Certifico que:

1. La estructura localizada en Plaza de las Artes Canovanas, la cual será objeto de una demolición se encuentra libre de asbesto.
2. La información antes indicada es cierta y correcta.
3. Afirmo y reconozco las consecuencias de incluir y someter información falsa en este documento.
4. Para que así conste, firmo la presente certificación en San Juan (Municipio) de Puerto Rico,

   hoy día 9 de febrero de 2023

Yousev García Ramos

Firma y Sello del Profesional o
Firma del Inspector de Asbesto registrado por la JCA (Original)

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

Dirección Física: Ave. Ponce de León 1308, Carr. Estatal 8838, Sector el Cinco, Río Piedras, PR 00926
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GOBIERNO DE PUERTO RICO
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JUNTA DE CALIDAD AMBIENTAL

Área de Calidad de Agua

OGPe
Oficina de Gerencia de Permisos

Forma PGC-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, Yousev García Ramos (Inspector o Evaluador de Riesgos), mayor de edad, soltero (Estado Civil), y vecino de Luquillo (Municipio)

Dirección Postal 130 Winston Churchill Ave. PMB 145 San Juan, PR 00926 (Pueblo) (Zip Code)

Teléfonos: Residencial (_____) _____-_____ Oficina (787) 960 - 2002 Ext._____
Fax (_____) _____-_____

Certifico que:

1. Estoy certificado por la Junta de Calidad Ambiental como (☒ Inspector / ☐ Evaluador de Riesgos) con Número de Certificación LBPI-02523-021, la cual se encuentra vigente.
2. La estructura localizada en Plaza de las Artes de Canovanas, la cual será objeto de una demolición se encuentra libre de pintura con base de plomo.
3. La información antes indicada es cierta y correcta.
4. Afirmo y reconozco las consecuencias de incluir y someter información falsa en este documento.
5. Para que así conste, firmo la presente certificación en San Juan (Municipio) de Puerto Rico, hoy día 9 de febrero de 2023

_____
Firma del Inspector o Evaluador de Riesgos (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, Santurce, PR 00910-1488
Tel. (787) 767-8181 • Fax (787) 767-1962

PUERTO RICO VERDE

Exhibit 6c.

ASBESTOS CONTAINING BUILDING MATERIALS INSPECTION

Plaza de las Artes

Canóvanas, Puerto Rico



Yousev García Ramos
130 Winston Churchill Ave. PMB 145
San Juan, Puerto Rico 00926

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NOTICE

This document is prepared for the sole use of **Municipality of Canóvanas**, hereinafter referred to as **THE CLIENT.** No other party should rely on the information contained herein without prior written consent from **THE CLIENT**. The scope of services, inspection methodology, and results are presented below.

The scope of the survey included sampling of suspected Asbestos Containing Building Materials (ACBM) present, and analysis of the samples collected. A DRNA/AHERA certified asbestos inspector thoroughly and professionally performed this inspection following commonly accepted industry standards.

The asbestos inspector cannot and does not guarantee that this evaluation has identified all adverse environmental factors and conditions affecting this property on the evaluation date.

The findings reported and conclusions reached by the inspector are solely for **THE CLIENT**'s benefit. Based exclusively on the conditions observed on the property at the time of the evaluation, the findings and opinions in this report are valid only as of that date.

The asbestos inspector assumes no obligation to advise the client of any changes in actual or potential asbestos hazards at this property after the date of the evaluation.

The asbestos inspection covered accessible components and surfaces. Any materials suspected of containing asbestos beneath tiles or other construction elements should be treated as positive until tested. Prior to any future demolition or remodeling, it is recommended to remove all known, suspected, or presumed asbestos-containing materials (ACBM) to comply with NESHAP/DRNA regulations.

This document has 13 pages, including the cover.

EXECUTIVE SUMMARY

At the request of **Municipality of Canóvanas**, an asbestos-containing material (ACM) inspection was conducted at Plaza de las Artes in Canóvanas, Puerto Rico with the objective of detecting the presence of ACM.

According to the Existing & Demolition Plan, two existing concrete structures (walls/building) and one sidewalk will be demolished. Additionally, eight existing palm trees will either be removed or transplanted, with their final location to be determined by the architect.

The structures scheduled for demolition are located at Calle Autonomía, corner of Calle Muñoz Rivera, Canóvanas, PR 00729. The inspection was carried to perform future demolition works with appropriate permits, following regulations. This report presents all findings, if any, of the asbestos inspection.

The inspection was conducted by Yousev García Ramos, a state-certified asbestos inspector (ASB-0123-0057-SI), accredited under the Asbestos Hazard Emergency Response Act (AHERA) and the Department of Natural and Environmental Resources' accreditation program. Mr. García brings extensive experience and expertise to the project.

The inspection adhered to EPA's Guidance for the Control of Asbestos-Containing Materials in Buildings (EPA 560/5-85/024).

No asbestos-containing materials (ACM) were detected during the inspection.

INTRODUCTION

The purpose of this inspection, conducted by Yousev García Ramos on behalf of **THE CLIENT**, is to determine the presence of asbestos-containing building materials (ACBM) on two concrete structures/slabs and an existing sidewalk scheduled for demolition in Canóvanas, Puerto Rico. The purpose of this assessment was to determine the presence of ACBM and ensure compliance with environmental and safety regulations prior to the start of federally funded repair activities.

This inspection, conducted on February 9, 2023, is part of **THE CLIENT's** due diligence to ensure compliance with U.S. Environmental Protection Agency (EPA) regulations, including 40 CFR 763 AHERA, 40 CFR 61, Subpart M NESHAP, and the Department of Natural and Environmental Resources (DNER) guidelines, in preparation for potential future renovations or demolition activities.

SCOPE OF SERVICES

The purpose of this inspection was to identify and assess any asbestos-containing building materials (ACBM) and determine the need for asbestos hazard controls, if applicable, at the inspected facilities.

The scope of the survey typically includes the sampling of suspected ACBM and the subsequent laboratory analysis of collected samples. Samples are usually sent to International Asbestos Testing Laboratories (IATL), a NVLAP-accredited laboratory, for analysis using methods specified in 40 CFR Appendix E to Subpart E of Part 763, the Interim Method for the Determination of Asbestos in Bulk Insulation Samples (USEPA 600, R93-116), and NYSDOH ELAP 198.1, as necessary.

For this inspection, **no** suspected ACM was identified during the site evaluation. As a result, no samples were collected or sent for laboratory testing. The inspection was conducted to evaluate the structure both internally and externally on a surface-by-surface basis, following the industry’s best practices and regulatory guidelines.

GENERAL BACKGROUND

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

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

Studies indicate different health effects resulting from exposure to chrysotile asbestos versus exposure to the amphibole form of asbestos. The latter, which include tremolite, amosite, actinolite, anthophyllite and crocidolite have more significant health impact than chrysotile. Some scientists cite studies concluding that the size of the fibers deposited in the lungs that result in cancer. Long, thin fibers, greater than 8 microns in length and less than 0.25 microns in diameter show the highest potential of cancer development.

NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS

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

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

SITE DESCRIPTION

The ACBM inspection was carried out on structures located at **Plaza de las Artes in the Municipality of Canóvanas, Puerto Rico**. Plaza de las Artes in Canóvanas, Puerto Rico, is an open public space designed for cultural events and artistic performances of all kinds. The Municipality of Canóvanas describes it as a place for exhibitions, presentations, and artistic expression across various genres. It is also considered a symbolic location that reflects the identity of the city, which is one of the youngest municipalities in Puerto Rico. This report focuses on key structural elements, including concrete walls and floors, as well as components made of different materials. The inspections covered essential interior and exterior areas.

GENERAL OBSERVATIONS

The asbestos inspection at the site was conducted as a surface-by-surface investigation, following EPA guidelines to ensure thorough coverage of all accessible areas. The inspection focused on evaluating building components, such as concrete walls, floors, ceilings, and structural elements, for the presence of asbestos-containing building materials (ACBM).

The site, a building primarily consisting of concrete structures, did not contain any materials suspected of containing asbestos. Common components typically assessed during such inspections, including insulation, roofing materials, floor tiles, and joint compounds, were not present in forms or conditions indicative of ACBM.

All observed materials, including masonry, painted surfaces, and decorative elements, were consistent with non-asbestos-containing materials typically used in outdoor public spaces. Given the nature of the site and its construction, no samples were collected or submitted for laboratory analysis, as no potential ACBM was identified during the inspection.

This comprehensive inspection ensured adherence to regulatory standards and provided assurance regarding the absence of asbestos hazards at the site.

SPECIFIC FINDINGS

During this inspection, **no** asbestos-containing materials (ACM) were identified in the areas surveyed. No materials exceeding the 1% threshold as defined by regulatory standards were recorded.

INACCESSIBLE AREAS PRESUMED TO BE ACBM

All areas included in the project were properly inspected.

ACBM REGULATORY LEVELS

There is no evidence that a safe threshold exists (or minimum exposure level) to prevent the adverse health effects of the use of asbestos.

RECOMMENDATIONS

None.

ENVIRONMENTAL ASSESSMENT REPORT CERTIFICATION

Yousev García Ramos has performed this ACBM inspection thoroughly and professionally, consistent with commonly accepted industry standards. The assessments were conducted on February 9, 2023, by Yousev García Ramos, state-certified asbestos inspector #ASB-0123-0057-SI, qualified by experience, education, and recognition of ACBM approved sampling techniques.

NON-SCOPE SERVICES

No additional services were contracted.

APPENDIX A: CERTIFICATIONS, LICENSES, AND ACCREDITATIONS



TARJETA DE REGISTRO
PARA LA REMOCION DE ASBESTO

Esta tarjeta autoriza a:

Yousev García Ramos

Inspector

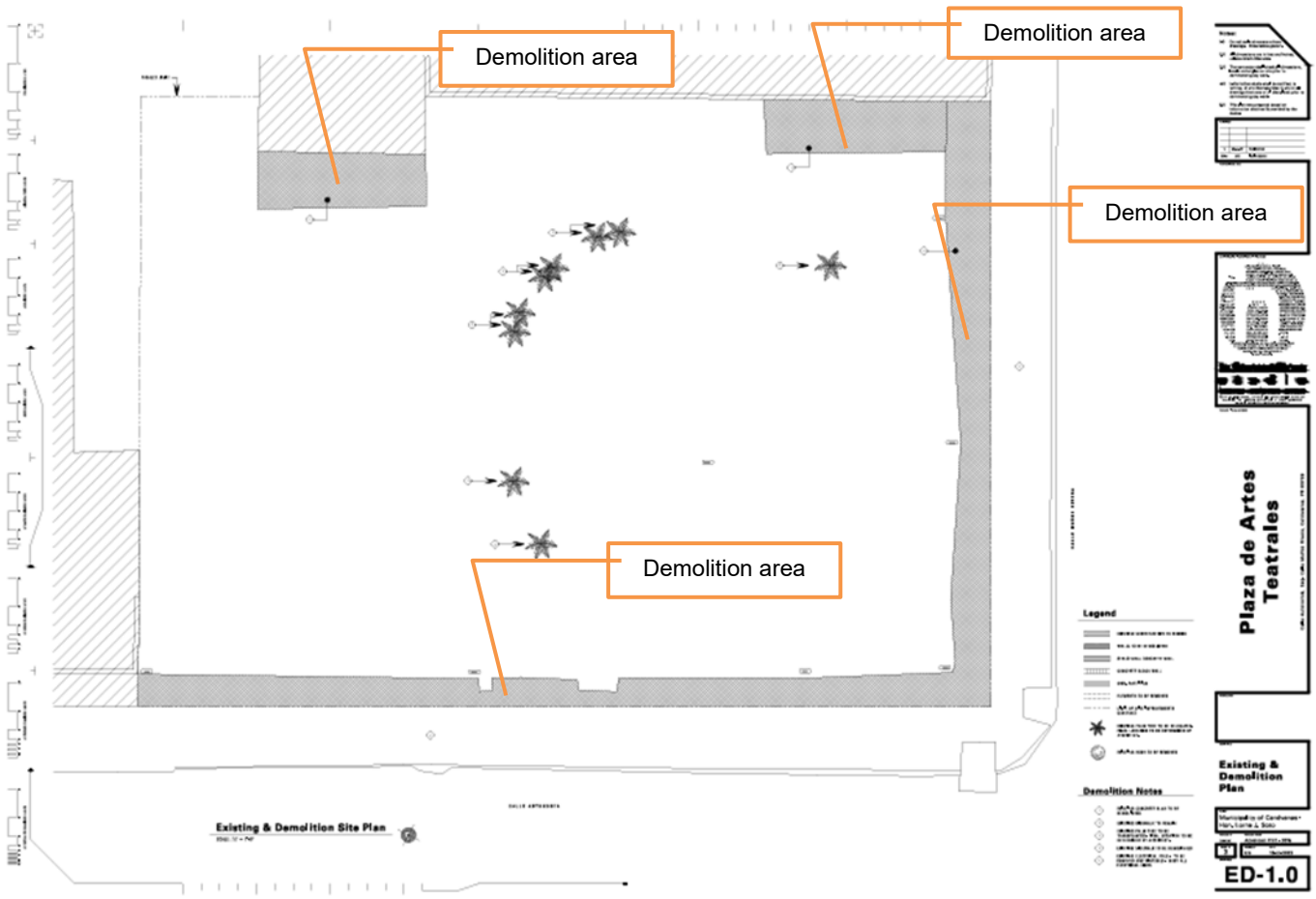
A trabajar en la remoción de asbesto en Puerto Rico. Esta persona **NO** es un empleado del DRNA.

ASB-0123-0057-SI
Número de Registro

13-dic-2023
Fecha de vencimiento

Firma Autorizada - Departamento Recursos Naturales y Ambientales

APPENDIX B: SITE PLAN



APPENDIX C: Photos







Exhibit 6d.

LEAD-BASED PAINT INSPECTION

Plaza de las Artes

Canóvanas, Puerto Rico



Yousev García Ramos
130 Winston Churchill Ave. PMB 145
San Juan, Puerto Rico 00926

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ENVIRONMENTAL PROFESSIONAL STATEMENT

NOTICE

This document is prepared for the sole use of **Municipality of Canóvanas**, hereinafter referred to as **THE CLIENT**. No other party should rely on the information contained herein without prior written consent from **THE CLIENT**. The scope of services, inspection methodology, and results are presented below.

The lead inspector thoroughly and professionally performed this Lead Base Paint (**LBP**) inspection following commonly accepted industry standards.

The lead inspector cannot and does not guarantee that this evaluation has identified all adverse environmental conditions affecting this property on the evaluation date.

The findings reported and conclusions reached by the inspector and lead are solely for **THE CLIENT** benefit. Based solely on the conditions found in the property on the evaluation date, the findings and opinions in this report are valid only as of that date.

The lead inspector assumes no obligation to advise the client of any changes in actual or potential LBP hazards at this property after the evaluation date.

Lead screening was conducted on accessible components and surfaces. If suspected lead-containing elements are identified beneath installed tiles or other building materials, they will be treated as lead-positive until further testing is completed.

This document has 14 pages, including the cover.

EXECUTIVE SUMMARY

At the request of **THE CLIENT**, an environmental inspection was conducted at Plaza de las Artes in Canóvanas, Puerto Rico to identify any presence of lead-based paint (LBP) prior to the demolition of concrete structures and sidewalks.

According to the Existing & Demolition Plan, two existing concrete structures (walls/building) and one sidewalk will be demolished. Additionally, eight existing palm trees will either be removed or transplanted, with their final location to be determined by the architect.

The demolition areas are located at Calle Autonomía, corner of Calle Muñoz Rivera, Canóvanas, PR 00729. The inspected structural components are made of various materials, including concrete. The assessment included elements such as walls, floors, doors, windows, roof, and other relevant areas.

The investigation was conducted on February 9, 2023, by Yousev García Ramos (LPBI-02523-021), a lead inspector certified by the Department of Natural and Environmental Resources (**DNER**).

INSPECTION FINDINGS

The **LBP** inspection confirmed that the inspected structure **DOES NOT** contain lead-based paint or materials with lead levels exceeding 1.0 mg/cm², in accordance with the regulations of the DNER.

INTRODUCTION

At the request of the **Municipality of Canóvanas**, an environmental inspection for lead-based paint (LBP) was conducted on two concrete structures/slabs and an existing sidewalk scheduled for demolition in Canóvanas, Puerto Rico. The purpose of this assessment was to determine the presence of LBP and ensure compliance with environmental and safety regulations prior to the start of federally funded repair activities.

SCOPE OF SERVICES

Yousev García Ramos conducted this **LBP** inspection in accordance with the following regulatory guidelines:

- Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (HUD, 1995; revised 1997).
- Lead; Requirements for Lead-Based Paint Activities in Target Housing and Child-Occupied Facilities: Final Rule (40 CFR Part 745, EPA, 1996).
- **DNER** regulation for the Adequate Management of **LBP**.

The inspection was carried out on a surface-by-surface basis, evaluating both the interior and exterior of the structures to identify the presence of lead-based paint. The selection of sample locations and the sampling frequency by **Yousev García Ramos** were guided by he's observations and the assumption that similar materials in the same area have a homogeneous composition.

GENERAL BACKGROUND

Lead-based paint was widely used in buildings during the 19th and early 20th centuries due to its durability and moisture resistance. However, its use was banned in residential properties in the U.S. in 1978 after health risks became evident. Exposure to lead, especially in children, can cause serious health problems such as developmental delays, learning difficulties, behavioral issues, and damage to the brain, kidneys, and other organs. Due to these risks, strict regulations now govern the inspection, handling, and removal of LBP in renovation and demolition projects.

INSPECTION METHODOLOGY & INSTRUMENTATION

The primary inspection method involved the use of a portable XRF spectrum analyzer to measure lead concentrations in paint. To ensure quality and integrity, a Quality Assurance and Quality Control (QA/QC) protocol was implemented, which included:

- Systematic data recording using a standardized Data Collection Form.
- XRF readings with calibration checks.
- Site plans and field notes to document testing locations and conditions.
- This assessment was performed in compliance with HUD testing protocols (2012) and applicable Puerto Rico DNER regulations for lead-based paint detection.

SITE DESCRIPTION

The LBP inspection was carried out on structures located at Plaza de las Artes in the **Municipality of Canóvanas, Puerto Rico**. Plaza de las Artes in Canóvanas, Puerto Rico, is an open public space designed for cultural events and artistic performances of all kinds. The Municipality of Canóvanas describes it as a place for exhibitions, presentations, and artistic expression across various genres. It is also considered a symbolic location that reflects the identity of the city, which is one of the youngest municipalities in Puerto Rico. This report focuses on key structural elements, including concrete walls and floors, as

well as components made of different materials. The inspections covered essential interior and exterior areas.

GENERAL OBSERVATIONS

This **LBP** inspection is a surface-by-surface investigation to identify the presence of lead-based paint. The inspection was conducted in accordance with HUD guidelines. All surfaces in the tested areas were inspected using an **XRF** analyzer.

During the lead survey conducted at the site, NO materials with lead-based paint were identified. The details of the sampling process and the findings of the survey are included in this document.

SPECIFIC FINDINGS

According to the inspection conducted at the Plaza de las Artes located in Canóvanas Puerto Rico, **no** surfaces painted with lead-based paint were identified in any of the inspected areas. All tested surfaces were found to be within the safety limits established by the DNER.

HOMOGENEOUS AREAS WITH SPECIAL CONSIDERATION

NONE.

INACCESSIBLE AREAS PRESUMED TO BE LEAD-BASED PAINTED.

All areas included in the project were properly inspected.

LEAD REGULATORY LEVELS

The lead regulatory levels provided below were used when preparing this lead-based paint evaluation or evaluating the data collected. The EPA regulatory levels are the same as the state regulatory levels are provided in the following table.

Lead Regulatory Levels (EPA/EQB Levels)

Lead Base Paint	1 mg/cm^2 or 0.5% by weight (or 5000 ppm)

ENVIRONMENTAL ASSESSMENT REPORT CERTIFICATION

Yousev García Ramos has performed this lead-based inspection thoroughly and professionally, consistent with commonly accepted industry standards. The assessments were conducted on February 9, 2023, by **Yousev García Ramos**, state-certified lead inspector LBPI-02523-021, qualified by experience, education, and recognition of lead-based paint and approved sampling techniques.

NON-SCOPE SERVICES

No additional services were contracted.

APPENDIX A: CERTIFICATIONS, LICENSES, AND ACCREDITATIONS



APPENDIX B: XRF'S PERFORMANCE CHARACTERISTICS SHEET

APPENDIX B: XRF'S PERFORMANCE CHARACTERISTICS SHEET

Performance Characteristic Sheet

EFFECTIVE DATE: **September 24, 2004** **EDITION NO.: 1**

MANUFACTURER AND MODEL:

Make: *Niton LLC*
Tested Model: *XLp 300*
Source: ^{109}Cd
Note: This PCS is also applicable to the equivalent model variations indicated below, for the Lead-in-Paint K+L variable reading time mode, in the XLi and XLp series:

XLi 300A, XLi 301A, XLi 302A and XLi 303A.
XLp 300A, XLp 301A, XLp 302A and XLp 303A.
XLi 700A, XLi 701A, XLi 702A and XLi 703A.
XLp 700A, XLp 701A, XLp 702A, and XLp 703A.

Note: The XLi and XLp versions refer to the shape of the handle part of the instrument. The differences in the model numbers reflect other modes available, in addition to Lead-in-Paint modes. The manufacturer states that specifications for these instruments are identical for the source, detector, and detector electronics relative to the Lead-in-Paint mode.

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Lead-in-Paint K+L variable reading time mode.

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm^2 (inclusive)

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm^2 in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm^2 film).

If readings are outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instruments into control before XRF testing proceeds.

SUBSTRATE CORRECTION:

For XRF results using Lead-in-Paint K+L variable reading time mode, substrate correction is <u>not</u> needed for:

Brick, Concrete, Drywall, Metal, Plaster, and Wood

INCONCLUSIVE RANGE OR THRESHOLD:

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

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted in August 2004 on 133 testing combinations. The instruments that were used to perform the testing had new sources; one instrument's was installed in November 2003 with 40 mCi initial strength, and the other's was installed June 2004 with 40 mCi initial strength.

OPERATING PARAMETERS:

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

SUBSTRATE CORRECTION VALUE COMPUTATION:

Substrate correction is not needed for brick, concrete, drywall, metal, plaster or wood when using Lead-in-Paint K+L variable reading time mode, the normal operating mode for these instruments. If substrate correction is desired, refer to Chapter 7 of the HUD Guidelines for guidance on correcting XRF results for substrate bias.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing. Use the K+L variable time mode readings.

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

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

Compute the Retest Tolerance Limit by the following steps:

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

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

Square the average for each testing combination.

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

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

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

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

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

Compute the average of all ten original XRF results.

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

Find the absolute difference of the two averages.

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

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

TESTING TIMES:

For the Lead-in-Paint K+L variable reading time mode, the instrument continues to read until it is moved away from the testing surface, terminated by the user, or the instrument software indicates the reading is complete. The following table provides testing time information for this testing mode. The times have been adjusted for source decay, normalized to the initial source strengths as noted above. Source strength and type of substrate will affect actual testing times. At the time of testing, the instruments had source strengths of 28.6 and 38.6 mCi.

Testing Times Using K+L Reading Mode (Seconds)						
	All Data			Median for laboratory-measured lead levels (mg/cm^2)		
Substrate	25th Percentile	Median	75th Percentile	Pb < 0.25	0.25 ≤ Pb<1.0	1.0 ≤ Pb
Wood Drywall	4	11	19	11	15	11
Metal	4	12	18	9	12	14
Brick Concrete Plaster	8	16	22	15	18	16

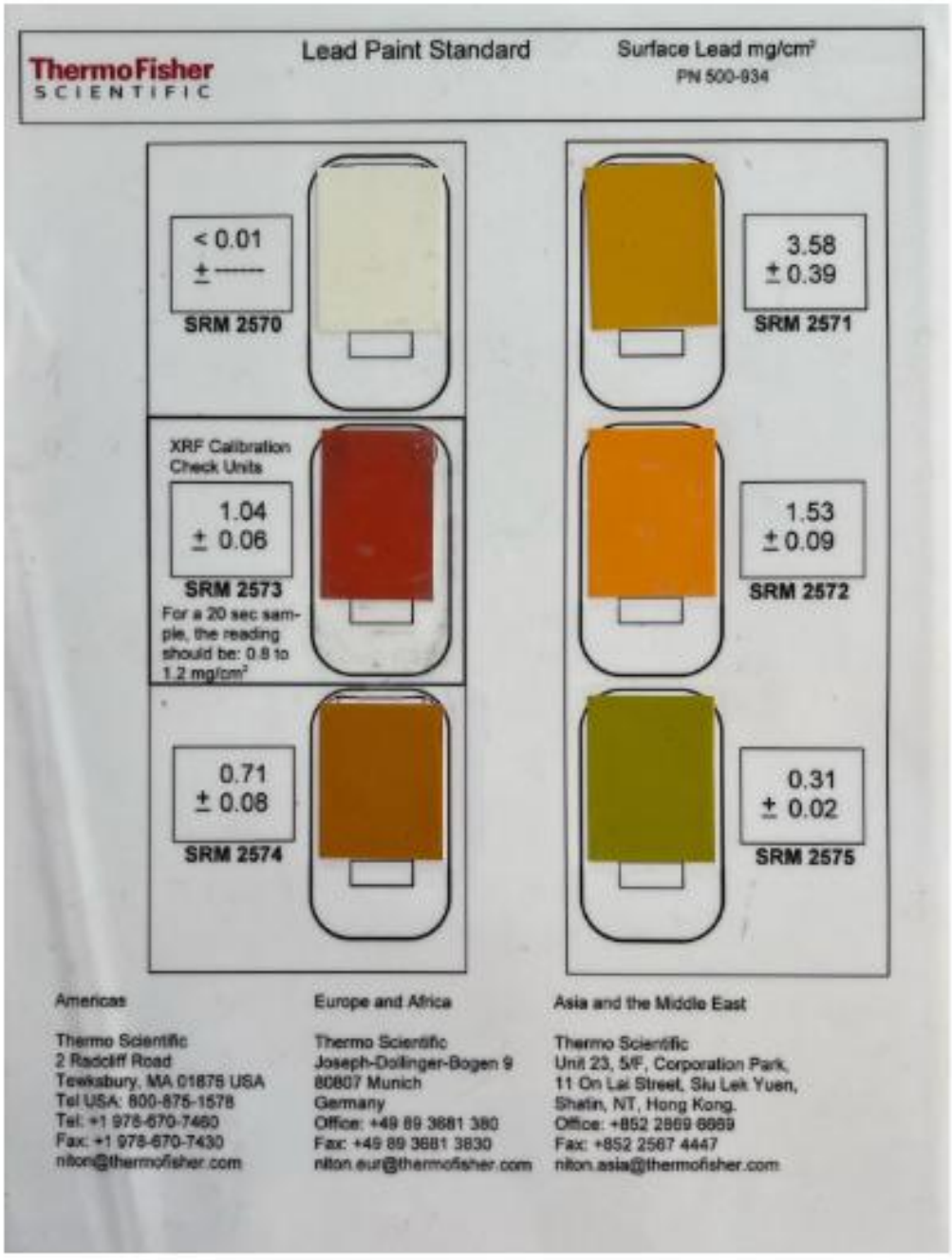
CLASSIFICATION RESULTS:

XRF results are classified as positive if they are greater than or equal to the threshold, and negative if they are less than the threshold.

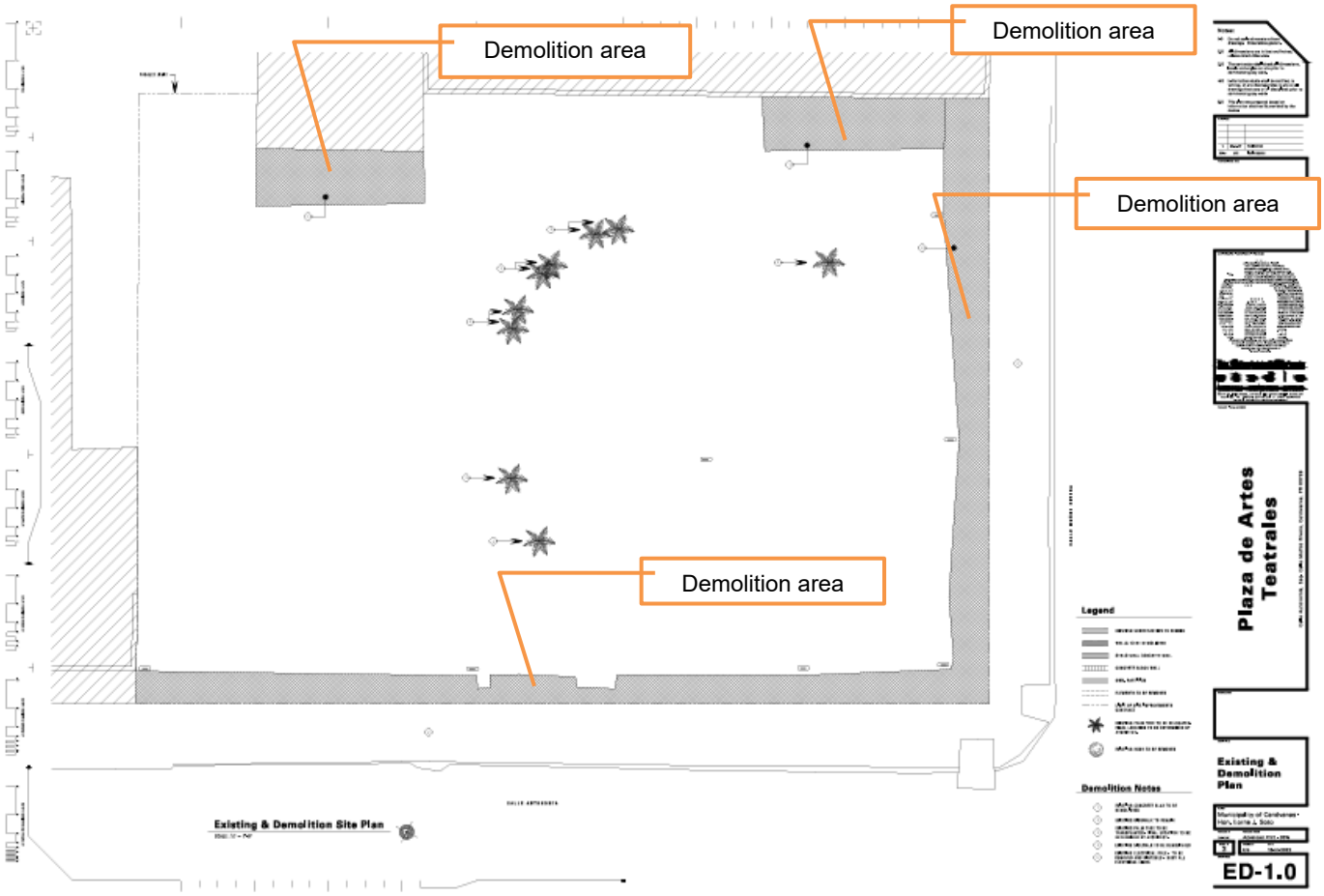
DOCUMENTATION:

A document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. For a copy of this document call the National Lead Information Center Clearinghouse at 1-800-424-LEAD.

This XRF Performance Characteristic Sheet was developed by the Midwest Research Institute (MRI) and QuanTech, Inc., under a contract between MRI and the XRF manufacturer. HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.


ThermoFisher SCIENTIFIC
Lead Paint Standard
Surface Lead mg/cm²
PN 500-834
< 0.01
± -----
SRM 2570
XRF Calibration Check Units
1.04
± 0.06
SRM 2573
For a 20 sec sample, the reading should be: 0.8 to 1.2 mg/cm²
0.71
± 0.08
SRM 2574
3.58
± 0.39
SRM 2571
1.53
± 0.09
SRM 2572
0.31
± 0.02
SRM 2575
Americas
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Fax: +852 2567 4447
niton.asia@thermofisher.com

APPENDIX C: FLOOR PLANS



APPENDIX D: PROJECT PHOTOGRAPHS











APPENDIX E: XRF SAMPLING DATA & FLOOR PLAN SITES /

FLOOR PLANS / PROJECT PHOTOGRAPHS

CLIENT: Municipality of Canóvanas

Date: February 9, 2023

LBP Inspector: Yousev García Ramos, Certification Num: LBPI-02523-021

SampleID	FunctionalSpace	Side	Subst.	XRF Reading	Pos/Neg	Site
A	Calibration	-	-	1.0	--	Ok
B	Calibration	-	-	1.1	--	Ok
C	Calibration	-	-	1.1	--	Ok
XRF Sampling Data & Floor Plan Sites Certification						
1	Cal			1.1		OK
1	Wall	A	Concrete	0.00	Neg	
2	Wall	B	Concrete	0.00	Neg	-
3	Wall	C	Concrete	0.00	Neg	-
4	Wall	D	Concrete	0.00	Neg	-
5	Floor	-	Concrete	0.00	Neg	-
6	Floor	-	Concrete	0.00	Neg	-
7	Floor	-	Concrete	0.00	Neg	-
8	Floor		Concreete	0.00	Neg	
9	Final Cal			1.0		OK

Exhibit 6e

GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

Date: February 20, 2025

From: Elvelisse Figueroa Hernandez
Environmental Consultant, Plaza Artes Teatrales
City Revitalization Program (CDBG-DR)
Puerto Rico Department of Housing

Application Number: PR-CRP-000315
Project: Plaza Artes Teatrales

Re: Justification for the Infeasibility and Impracticability of Radon Testing

After reviewing Application Number PR-CRP-000315 under the City Revitalization Program, Community Development Block Grant – Disaster Recovery (CDBG-DR), 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.

Exhibit 6f

Radon
Attachments

GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

August 20, 2024

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

Via email: guerrero.carmen@epa.gov

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

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

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

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

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

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

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

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

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

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

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

Sincerely,

William O. Rodríguez Rodríguez, Esq.
Secretary

Cc:
Mr. Oleg Povetko, Povetko.Oleg@epa.gov
Mr. Matthew Laurita, laurita.matthew@epa.gov

GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

August 20, 2024

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

Via email: silvina.cancelos@upr.edu

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

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

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

William O. Rodríguez Rodríguez, Esq.
Secretary

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

GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

August 20, 2024

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

Vía email: OIA@cdc.gov

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

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

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Sincerely,

William O. Rodríguez Rodríguez, Esq.
Secretary

GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

August 20, 2024

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

Vía email: anais.rodriguez@drna.pr.gov

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

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

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Sincerely,

William O. Rodríguez Rodríguez, Esq.
Secretary

Cc:
Mr. Luis Márquez, secretariaaire@drna.pr.gov
Eng. Amarilys Rosario, aire@drna.pr.gov
Mrs. Elid Ortega, eortega@drna.pr.gov

GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

August 20, 2024

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

Vía email: drcarlos.mellado@salud.pr.gov

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

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Sincerely,

William O. Rodríguez Rodríguez, Esq.
Secretary

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

GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

August 20, 2024

Mrs. Holly Weyers
Regional Director, Southeast – Puerto Rico
US Geological Survey
3916 Sunset Ridge Road
Raleigh, NC 27607

Vía email: hsweyers@usgs.gov

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

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

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Sincerely,

William O. Rodríguez Rodríguez, Esq.
Secretary

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

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

Good morning, Sandra and others,

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

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

If you have any additional questions, please contact me.

Thank you and best regards,

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



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

Dear Ms. Medina Smaine,

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

Best regards,

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

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

Good afternoon. Ms. Medina

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

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

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

Saludos.

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

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

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

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

Atentamente

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



Bubble Dynamics Lab
University of Puerto Rico - Mayagüez

EPA REGION 2
CARIBBEAN ENVIRONMENTAL PROTECTION DIVISION

September 23, 2024

VIA EMAIL

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

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

Dear Honorable Secretary Rodríguez Rodríguez:

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

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

Due to the lack of data in Puerto Rico, EPA undertook an investigation in collaboration with the University of Puerto Rico-Mayaguez (UPRM) Campus, Departments of Civil Engineering and Surveying and Mechanical Engineering, to find out if radon presented a problem in Puerto Rico. Up until 2021, the only data we had for Puerto Rico was a 1993-1995 mail-in radon screening study referred to by the U.S. Geological Survey report (USGS, 1995) in which the USGS concluded that several areas of Puerto Rico have the geologic potential to generate indoor radon levels exceeding the EPA Action Level of 4 pCi/L (picocuries per liter), perhaps locally reaching very high levels above 50 pCi/L, if a house construction and ventilation allow for soil-gas radon to enter and concentrate within the structure.[1] According to the USGS report, most of these areas are located in the northwest part of the island. Please note that the actual 1993-1995 study documentation is not available to the EPA.

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

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

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

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

CITY VIEW PLAZA II BUILDING, 7TH FLOOR
ROUTE 165 GUAYNABO, PR 00968

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

Sincerely,

CARMEN GUERRERO PEREZ

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

Carmen R. Guerrero Pérez
Director

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


EXHIBIT 7

Transmittal Letter

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

Reviewer DAMARIS ROMAN RUIZ Digitally signed by DAMARIS ROMAN RUIZ Date: 2025.01.21 13:17:56 -04'00'

LOURDES MENA Digitally signed by LOURDES MENA Date: 2025.02.01 09:28:36 -04'00'

Caribbean ES Field Supervisor

December 30, 2024

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

RE: USFWS Endangered Species Act Certifications – December 2024

We are submitting the following Self-Certifications for projects under the CDBG-DR City Revitalization Program, Re-Grow PR Urban-Rural Agriculture Program, Small Business Financing Program, and Economic Development Investment Portfolio for Growth. 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-000315	*Plaza de Artes Teatrales*
PR-CRP-000604	Juan Cancel Ríos Museum
PR-IPG-000940	Ocyon Bio PR, Inc.
PR-SBF-00872-E	MSM Inc.
PR-SBF-01653-E	Danels, Inc.
PR-SBF-02408-E	Rx Trading, Corp.
PR-SBF-04710-E	Buyi's Office School Supply
PR-SBF-05044-E	*Panaderia San Agustin Inc.*
PR-SBF-05637-E	San Lorenzo Memorial Inc.
PR-SBF-06831-E	Javielitos Pizza & Restaurant
PR-SBF-06983-E	Twenty One Century Building I LLC
PR-SBF-07302-E	GM SUSHI BAR CORP.
PR-SBF-07419	Madeline Méndez Acevedo hnc Divas Salon and Spa
PR-RGRW-00608	*Javier Bermúdez González*
PR-RGRW-01458	*Angelina Marcano Torres*

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

Sincerely,

Permits and Environmental Compliance Division
Disaster Recovery Office

Exhibit 7a

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Caribbean Ecological Services
Field Office
P.O. Box 491
Boqueron, PR 00622

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

JAN 14 2013

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

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

Dear Mr. Maldonado:

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

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

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

Project Criteria

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

Determination:

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

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

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

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

Water Crossing Structures:

1. Use of bottomless culverts or single span bridges instead of traditional box or RCP culverts or any other water crossing structure that impacts the stream bottom, particularly in streams which support native fish. The use of bottomless culverts or a short span bridge would provide a more stable crossing and would not alter the stream habitat. However, if bottomless structures or bridges are not feasible due to cost or engineering constraints, we recommend the following criteria be used to maintain good habitat in the streams:

    a. The stream should not be widened to fit the bridge since this can lead to sedimentation during low flows and possible bank erosion during high flows. Rather, the bridge should be designed to fit the stream channel at the point of crossing. Culverts should be sized to carry natural bank full flow. Additional flow can be capture by culverts placed at a higher elevation so as not to impact bank full flows.
    b. Bridge abutments, wing walls or any other structures should not intrude into the active stream channel.
    c. All culvert footings must be countersunk into the stream channel at both the invert and outlet ends at a minimum of 10% of the culvert height. This will align the water crossing structure with the slope of the stream.
    d. Waterways must not be blocked as to impede the free movement of water and fish. Materials moved during construction, such as grubbing, earth fills, and earth cut materials must not be piled where they can fall back into the stream and block the drainage courses.
    e. Appropriate erosion and/or sedimentation controls measures are to be undertaken to protect water quality until riverbanks are re-vegetated. It has been our experience that appropriate erosion and/or sedimentation control measures are not implemented properly by project contractors. In order to function properly, silt fences need to be buried 6" (proper depth is marked by a line on the silt fence) and supported at regular intervals by wood stakes. For that reason we are recommending that

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

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

Limitations:

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

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

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

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

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

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

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

Sincerely yours,

Edwin E. Muñiz
Field Supervisor

Enclosures (Fact Sheets)

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

US Fish and Wildlife Service

Ecological Services in the Caribbean

Caribbean Field Office

Project evaluation



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

Legal authorities:

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

Roles and Responsibilities:

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

How do we assist others?

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

Minimum requirements for the evaluation of projects:

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



For more information:

US Fish and Wildlife Service
Caribbean Field Office
Raod 301, Km. 5.1
Bo. Corozo
Boquerón, PR 00622
http://www.fws.gov
http://www.fws.gov/caribbean/es

US Fish and Wildlife Service

Caribbean Ecological Services Field Office

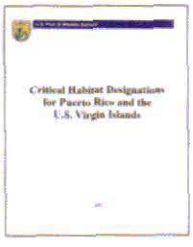
Endangered Species Lists Using Web-based Tools

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

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

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





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



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

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

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

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

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

For further information visit our national websites at:
http://www.fws.gov
http://ecos.fws.gov

U.S. Fish & Wildlife Service

Consultations with Federal Agencies

Section 7 of the Endangered Species Act

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



USGS

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

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

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

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

The provision under section 7 that is most often associated with the Service and other Federal agencies is section 7(a)(2). It requires Federal agencies to consult with the Service to ensure that actions they fund, authorize, permit, or otherwise carry out will not jeopardize the continued existence of any listed species or adversely modify designated critical habitats. The Service issued regulations in 1986 detailing the consultation process, and we have since completed a handbook describing the process in detail. The handbook is available on our web site at http://www.fws.gov/endangered/esa-library/pdf/esa_section7_handbook.pdf.

What is the Service doing to facilitate the consultation process?

Designing projects in ways that are compatible with the conservation needs of listed species and their ecosystems is among the most effective methods of ensuring a more rapid and efficient section 7 consultation process, as well as species' recovery. The Information, Planning, and Conservation System is an emerging tool for action agencies, their applicants, and other project proponents to use during the initial phases of project development and assessment. The system will allow for more effective integration of listed resource conservation needs and the eventual streamlining of section 7(a)(2) consultation.

How does a consultation get started?

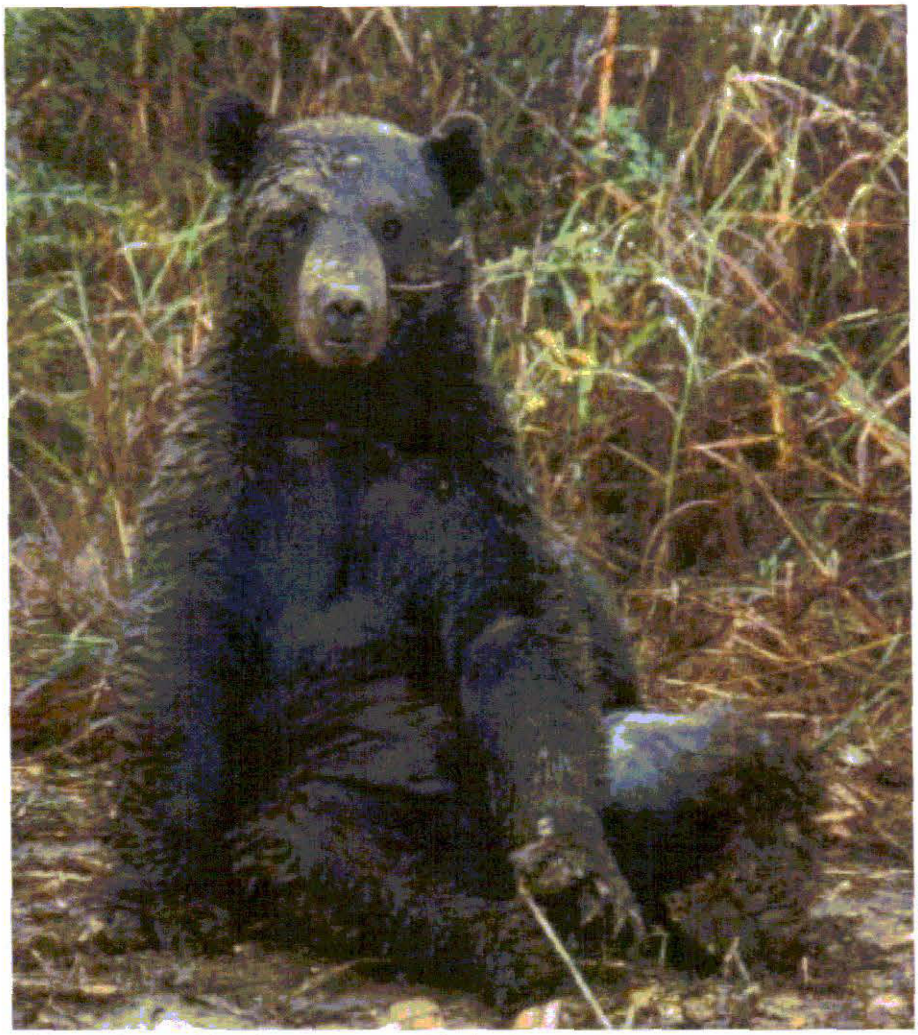
Early coordination is one of the most effective methods of (1) streamlining section 7 consultation, (2) reducing the need to make project modifications during the consultation process, and (3) improving the ability of section 7 to fulfill its role as a recovery tool. Federal agencies, applicants, and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

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

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

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

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



Dan Anderson/USFWS

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

What is the consultation workload?

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

What type of guidance is available for other Federal agencies?

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

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

April 2011

Exhibit 7b

Self-Certification

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

Endangered Species Act Certification

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

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

The Puerto Rico Department of Housing (PRDOH) certifies that the following project ***Plaza de Artes Teatrales*** **(PR-CRP-000315)**, consisting of the construction of an open-air amphitheater for theatrical arts and stage area along with storage spaces located at Autonomía Street/PR-185 Km 0.1, Muñoz Rivera Street Corner, Canóvanas, PR 00729, (18.37868, -65.90154) complies with:

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

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

Dec. 10, 2024

Date

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

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

Attachments:

1. Project Description (including SOW)
2. Location Map
3. Wetlands Map
4. Critical Habitat Map
5. IPAC Results

in.formation studio

a: 6777 Av. Isla Verde
Edificio IVM - Suite 221
Carolina, PR 00979
e: info@nformationstudio.com
i: landscape.architecture.product
o: 7 . 87 2 . 36 . 06 . 30
u: nformationstudio.com

November 26, 2024

Project Description

I. LOCATION & SITE DESCRIPTION

The project site is located in the center of the town of Canóvanas, where it is limited to the south by Muñoz Rivera Street and to the west by Autonomía Street/PR-185. To the north and east of the lot there are two buildings that both reach their respective property limits. The use of the structure to the east is for two-story housing and to the north for commercial use, medical office. Being the traditional urban area, there are no setbacks.

The proposed project will impact an existing vacant lot, with a footprint of approximately 0.14 acres (503.5408 sqm) square meters. The lot was acquired through a public deed by the Municipality of Canóvanas. The site is located in Zone X (0.2% Annual Flood Probability), according to the Map of Recommended Base Flood Levels of the Planning Board, Panel: 72000C0395J.



Adjacent northside building, Autonomía Street/PR-185. In.formation Studio.

in.formation studio



Existing school across Autonomía Street/PR-185. In.formation Studio.



Adjacent eastside building along Muñoz Rivera Street. In.formation Studio.

II. EXISTING CONDITIONS



Aerial Photograph. In.formation Studio


Existing Conditions looking southwest. In.formation Studio


Existing Conditions looking northeast. In.formation Studio

III. PROJECT DESCRIPTION

Building Use

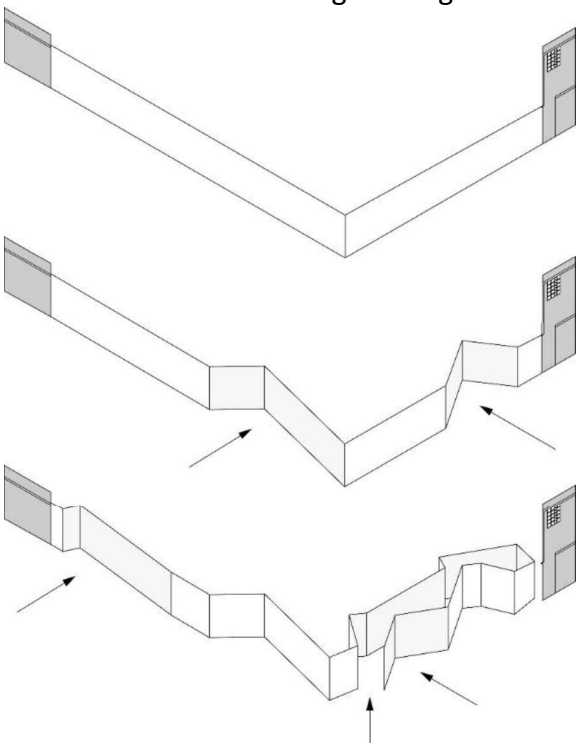
The proposed project entails of an open-air amphitheater area and a stage area along with storage space. The stage area consists of an area of two hundred and fifty (250) square feet. The project will fully comply with Universal Design standards to guarantee access and enjoyment of the facilities. As existing levels will not be raised, excavation for foundations will be minimal (see S.O.W.). The design contemplates the mitigation and reduction of runoff to the existing stormwater system of the city, by using green areas as retention systems. Urban reforestation will be implemented for natural shading. The technical specifications and plans of the project detail the construction attributes, which have been designed in accordance with the current Construction Code, PR Building Code 2018.

Design Strategy

An urban wall that gives continuity to the urban façade of the place is the starting point of the design strategy. The heights of the structure are leveled with its adjacent structures. On the east, a balcony from the neighboring structure, establishes the height level and on the north an overhand establishes the urban wall height. Historical resemblance was contemplated as an inspiration for the design considering the setbacks and efforts fulfilled by the municipality in the decade of the seventies for its official declaration.

Urban Wall Alignments

A. Wall articulation following existing conditions and proposed project entries.

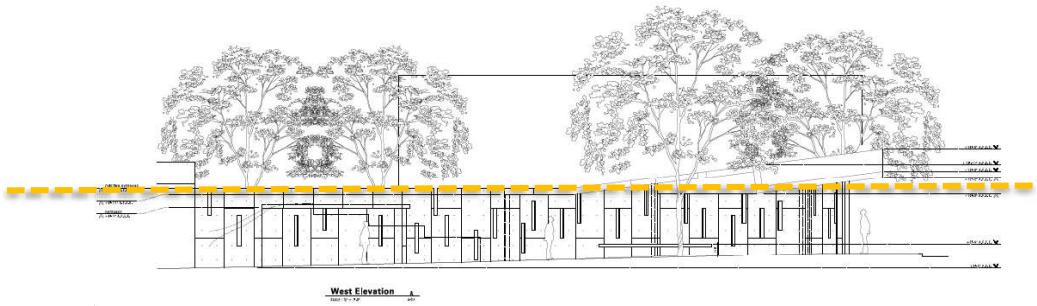


B. South facade



Muñoz Rivera Street & Autonomía Street/PR-185 intersection

C. West facade



Autonomía Street/PR-185

Perspective Renders



Aerial Render. In.formation Studio



Muñoz Rivera Street & Autonomía Street/PR-185 intersection Render. In.formation Studio

IV. SCOPE OF WORK (S.O.W.)

The following is the scope of work developed per the design strategies previously explained.

Demolition:

- Removal of existing palm trees and ground cover.
- Removal of existing concrete slabs on site.
- Removal of existing sidewalk within property limits.
- Shallow trench excavations through site from Muñoz Rivera Street for utilities connection.
- Shallow trench excavation for continuous wall footing (3.5 feet wide) and mat foundation per plans and specifications. These will be limited to 2 feet maximum in depth.

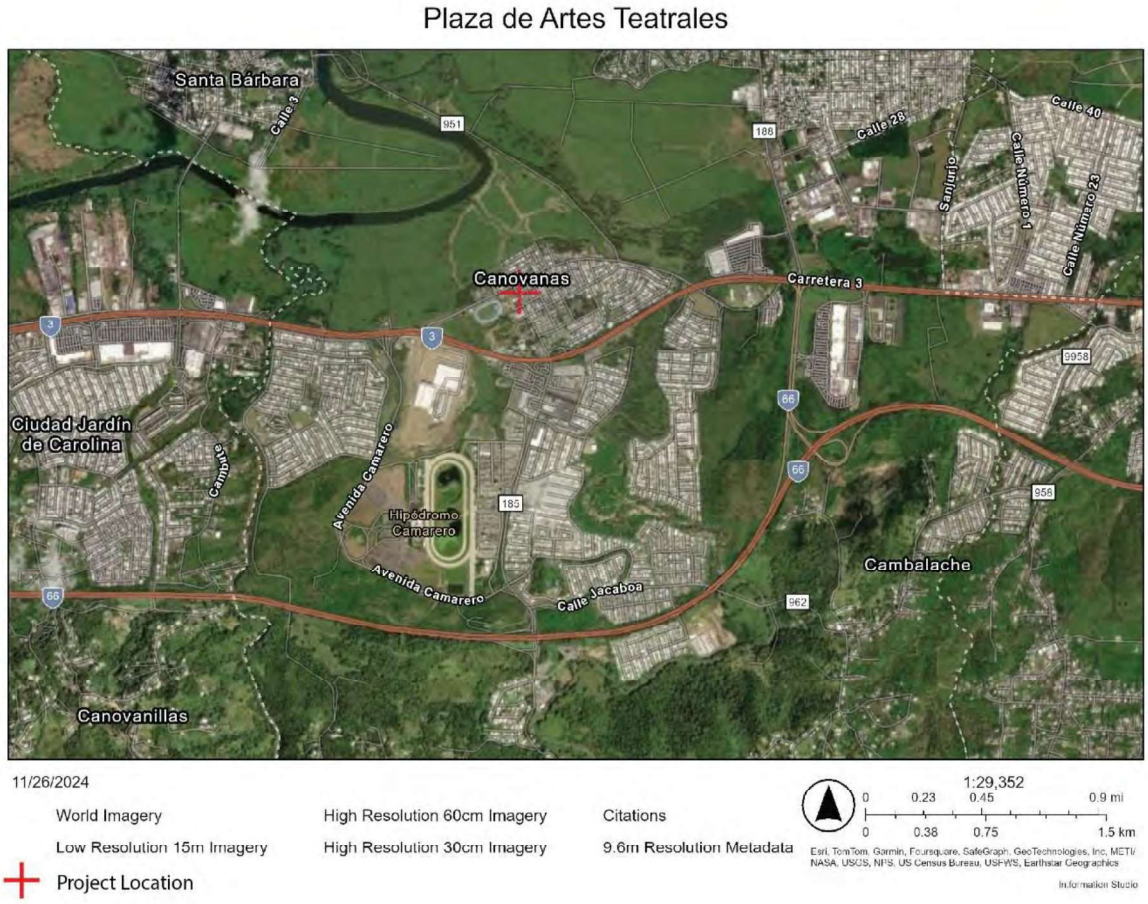
New Construction:

- Construction of outdoor amphitheater per plan and specifications.
- Construction of concrete perimeter wall.
- Construction of stage area per plan and specifications.
- Installation of below-grade stormwater drainage from center of lot to Autonomía street (PR-185), per plan and specifications.
- Planting of new trees and groundcover.
- Electrical and plumbing utilities connection to public systems per plan and specifications.

Kevin Rivera Samuel

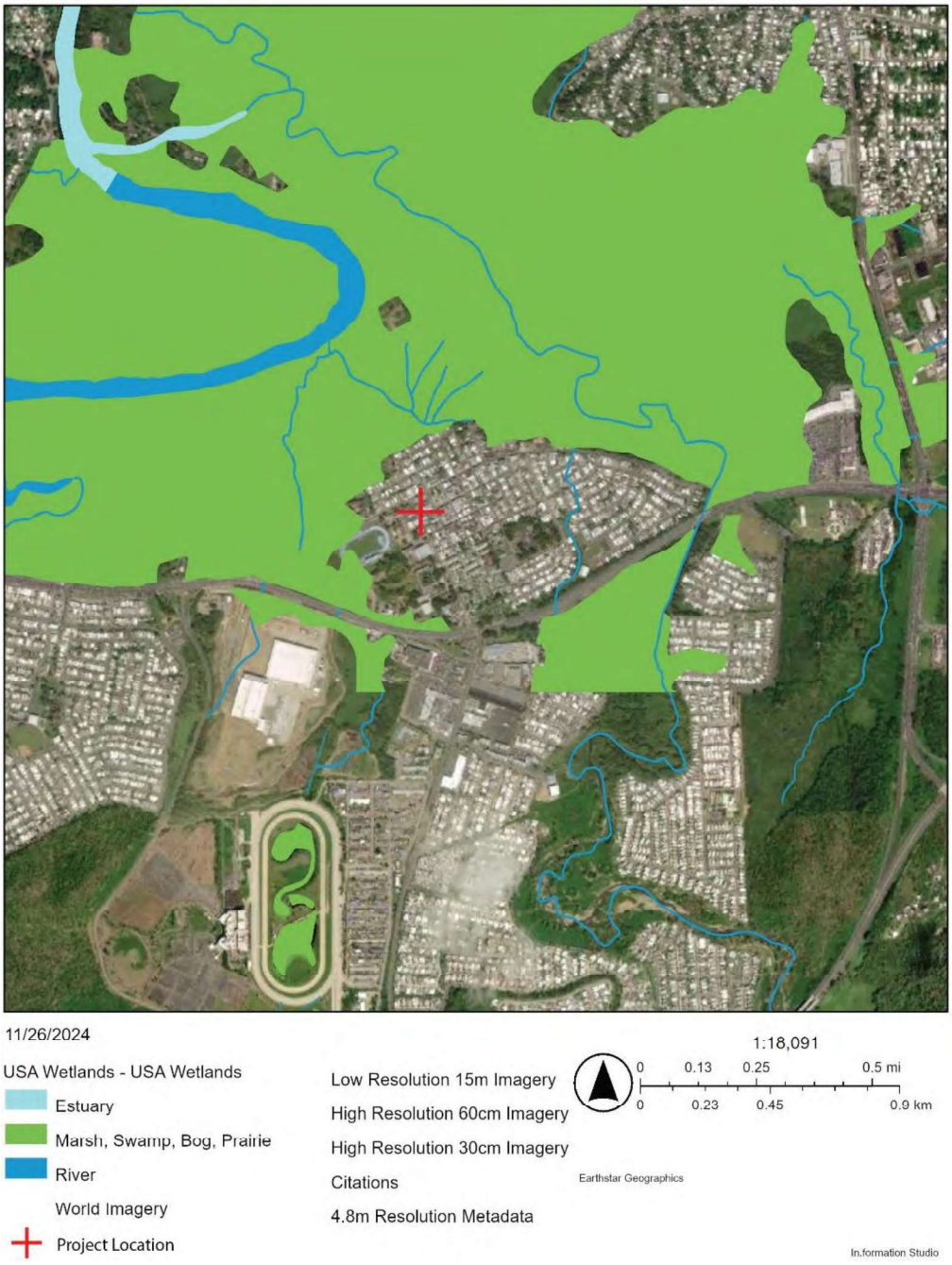
Kevin Rivera Samuel
Studio Director
In.formation Studio

Attachment 2: Location Map



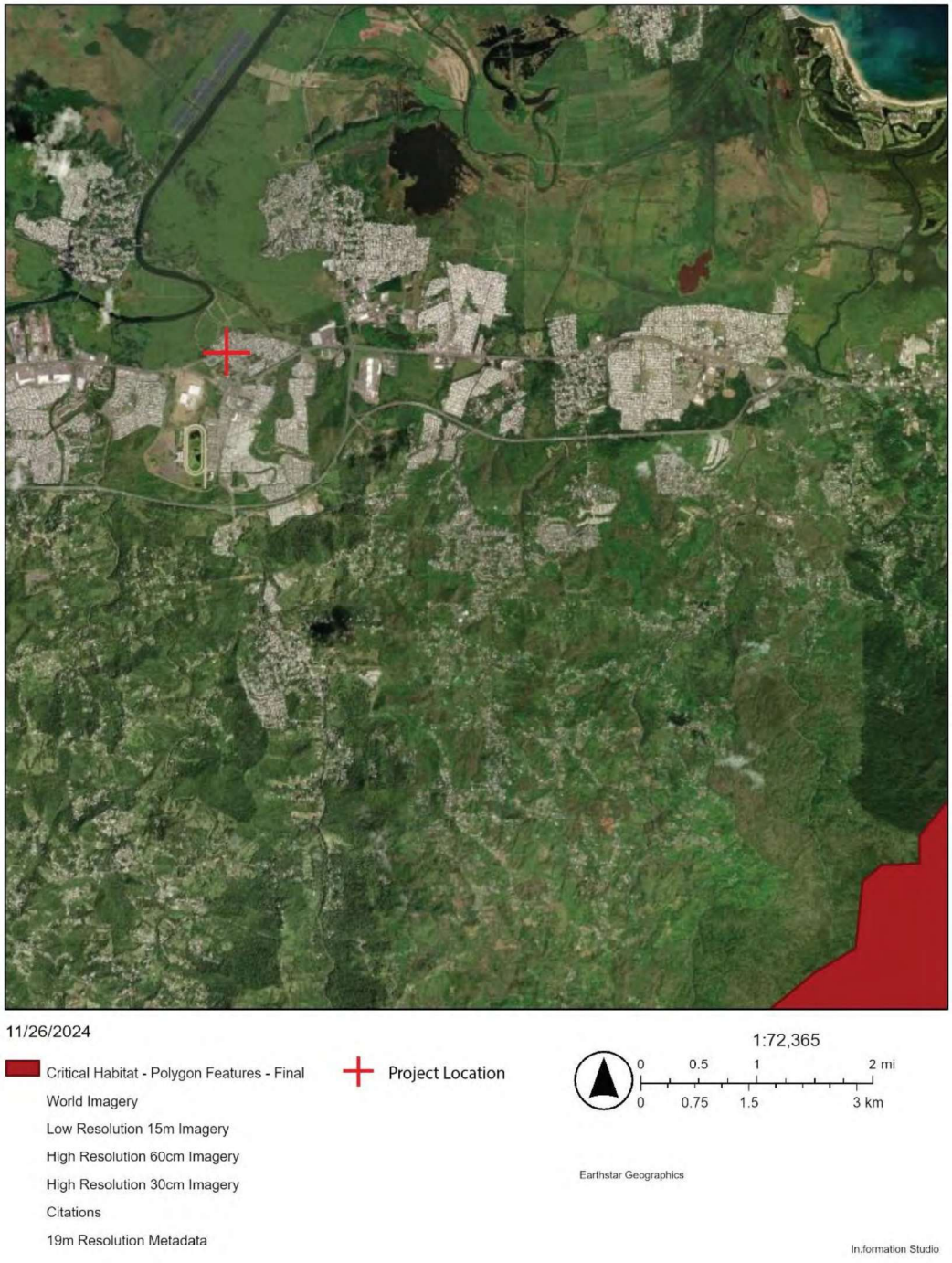
Map obtained from ArcGis Map Viewer Web. https://utility.arcgisonline.com/arcgis/rest/directories/arcgisoutput/Utilities/PrintingTools_GPServer/x_____xF4G2dHs2-izYRaZ1kEnEEQ..x_____x_ags_7a40d802-ac3b-11ef-9046-125f947bfd95.jpg . Prepared by In.formation Studio

Attachment 3: Wetlands Map



Map obtained from ArcGis Map Viewer Web. https://utility.arcgisonline.com/arcgis/rest/directories/arcgisoutput/Utilities/PrintingTools_GPServer/x____xAQp5FatQEh6kirjqOCsQ9Q..x____x_ags_111adf8c-ac36-11ef-97e3-1244ce83982f.jpg. Prepared by In.formation Studio

Attachment 4: USFWS Critical Habitat Map



Map obtained from ArcGis Map Viewer Web. https://utility.arcgisonline.com/arcgis/rest/directories/arcgisoutput/Utilities/PrintingTools_GPServer/x____xAQp5FatQEh6kirjqOCsQ9Q..x____x_ags_42f02dcf-ac37-11ef-99f4-1244ce83982f.jpg. Prepared by In.formation Studio

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Caribbean Ecological Services Field Office
Post Office Box 491
Boqueron, PR 00622-0491
Phone: (939) 320-3135 Fax: (787) 851-7440
Email Address: CARIBBEAN_ES@FWS.GOV

In Reply Refer To: 06/24/2024 22:10:21 UTC
Project code: 2024-0108145
Project Name: Plaza de Artes Teatrales

Subject: Consistency letter for the project named 'Plaza de Artes Teatrales' for specified threatened and endangered species, that may occur in your proposed project location, pursuant to the IPaC determination key titled Caribbean Determination Key (DKey).

Dear Applicant:

Thank you for using the assisted evaluation keys in IPaC. This letter is provided pursuant to the Service's authority under the Endangered Species Act of 1973, as amended (ESA) (87 Stat. 884; 16 U.S.C. 1531et seq.). On June 24, 2024, Kevin Rivera used the Caribbean DKey; dated April 03, 2024, in the U.S. Fish and Wildlife Service's online IPaC application to evaluate potential impacts to federally listed species, from a project named 'Plaza de Artes Teatrales'. The project is located in Canóvanas County, Puerto Rico (shown below).

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@18.37870975,-65.9016014465427,14z



The following description was provided for the project 'Plaza de Artes Teatrales':

Construction of an open-air amphitheater.

Based on your answers and the assistance of the Service's Caribbean DKey, you determined the proposed Action will have "No Effect" on the following species:

Species	Listing Status	Determination
Puerto Rican Boa (*Chilabothrus inornatus*)	Endangered	No effect

Thank you for informing the Service of your "No Effect" determination(s) for this project. No further consultation/coordination for this project is required for these species. However, be aware that reinitiation of consultation may be necessary if later modifications are made to the project so that it no longer meets the criteria or outcome described above, or if new information reveals effects of the action that could affect listed species or critical habitat in a manner or to an extent not previously considered, or if a new species is listed.

This letter serves as documentation of your consideration of the federally listed species as required under section 7 of the ESA. However, effects to the other federally listed species or critical habitat as listed below from the "IPaC print-out for the project" (see below) should be considered as part of your ESA review for the project.

The Service will notify you within 30 calendar days if we determine that this proposed Action does not meet the criteria for a "No Effect" (NE) determination for Federally listed species in the Caribbean. If we do not notify you within that timeframe, you may proceed with the Action under the terms of the NE concurrence provided here. This verification period allows the Caribbean Ecological Services Field Office to apply local knowledge to evaluate the Action, as we may identify a small subset of actions having unanticipated impacts. In such instances, the Caribbean Ecological Services Field Office may request additional information to verify the effects determination reached through the DKey.

Note: Projects located within the range of the Puerto Rican boa or the Virgin Islands tree boa might encounter these species during project activities. **This letter does not provide take to handle or move these species**. If relocation of the species is needed, please contact either the Puerto Rico Department of Natural Resources (DNER) at 787-724-5700, 787-230-5550, or 787-771-1124 for projects in Puerto Rico, or the Virgin Islands Department of Planning and Natural Resources, Division of Fish and Wildlife (DFW) at 340-775-6762 for projects in the Virgin Islands. Otherwise, contact the Caribbean Ecological Services Field Office (caribbean_es@fws.gov) to determine whether the consultation needs to be reinitiated.

If the proposed project is located within species range where a DKey has not been developed for those species, please follow the established guidance for initiating section 7 consultation Caribbean Ecological Services Field Office.

We appreciate your interest in protecting endangered species and their habitats. It is the Service's mission to work with others to conserve, protect, and enhance fish, wildlife, and plants and their habitats for the continuing benefit of our people. If you have any questions or require additional information, please contact our office at Caribbean_es@fws.gov.

Action Description
You provided to IPaC the following name and description for the subject Action.

1. Name

Plaza de Artes Teatrales

2. Description

The following description was provided for the project 'Plaza de Artes Teatrales':

> Construction of an open-air amphitheater.

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@18.37870975,-65.9016014465427,14z



QUALIFICATION INTERVIEW

1. Is the proposed project an EPA Multi-Sector General Permit (MSGP) renewal for an existing project? (MSGP Fact Sheet)

   No

2. Is the proposed project within an urban developed area? (i.e., cities, downtowns, shopping malls etc.)

   Note: Urban and developed areas has one or more of the following characteristics: Presence of existing buildings, residential areas, and commercial establishments. Well-established infrastructure including roads, utilities, and urban facilities. High population density. Established neighborhoods and urban amenities ("urbanizaciones"). Developed landscape with paved surfaces, parking lots, and industrial areas. Signs of human activity and urbanization, such as shopping centers and recreational facilities. Location within the boundaries of a city or town ("casco urbano"). High concentration of built-up structures and limited open spaces. Aerial imagery might be requested to the applicant. .

   Yes

3. [Hidden Semantic] Does the proposed project intersect the Puerto Rican boa area of influence?

   Automatically answered
   Yes

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Kevin Rivera
Address: Ave 6777 Isla verde
Address Line 2: IVM Building - Suite 221
City: Carolina
State: PR
Zip: 00979
Email k.rivera.samuel@gmail.com
Phone: 3405133075

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Municipio of Canóvanas

in.formation studio

a: 6777 Av. Isla Verde
Edificio IVM - Suite 221
Carolina, PR 00979
e: info@nformationstudio.com
i: landscape.architecture.product
o: 7 . 87 2 . 36 . 06 . 30
u: nformationstudio.com

Exhibit 7c

08 de enero 2025

Memorial Explicativo – Iluminación

Nombre del Proyecto: Plaza Artes Teatrales

Dueño de la propiedad: Municipio de Canóvanas

Proponente: Julián Manriquez Botello, AIA

Mediante este memorial, notificamos que las iluminarias especificadas en toda acera circundante al proyecto utilizaran lámparas LED de 21 Watts con 710 Lumens a aproximadamente 9.8 pies de altura. Según el diagrama Isolux del producto especificado, solamente un (1) lux será visible a 8 metros desde el centro de dicha lámpara.

Dado que el proyecto se ubica a 4.5 millas (23,514 pies) aproximadamente de la costa más cercana, certificamos que las luminarias especificadas no proveen ninguna iluminación que afecte las costas de Puerto Rico. No serán visibles desde la costa.

Memorial Explicativo Por:

Julián Manríquez Botello
Founder / Creative Director
In.formation Studio

julián manriquez botello puerto rico
arquitecto licenciado
LIC: MXX DCCC III
EXP: 18.X.2025


EXHIBIT 8

Farmlands Image

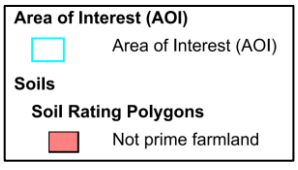
Plaza Artes Teatrales (PR-CRP-000315)

1, Autonomía St. Muñoz Rivera Corner, Canóvanas
(Lat: 18.37868, Long: -65.90154)





Legend:



Source: Web Soil Survey (https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx)

Exhibit 8a.

2020 Census Urban Areas Image

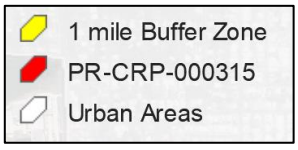
Plaza Artes Teatrales (PR-CRP-000315)

1, Autonomía St. Muñoz Rivera Corner, Canóvanas
(Lat: 18.37868, Long: -65.90154)





Legend:



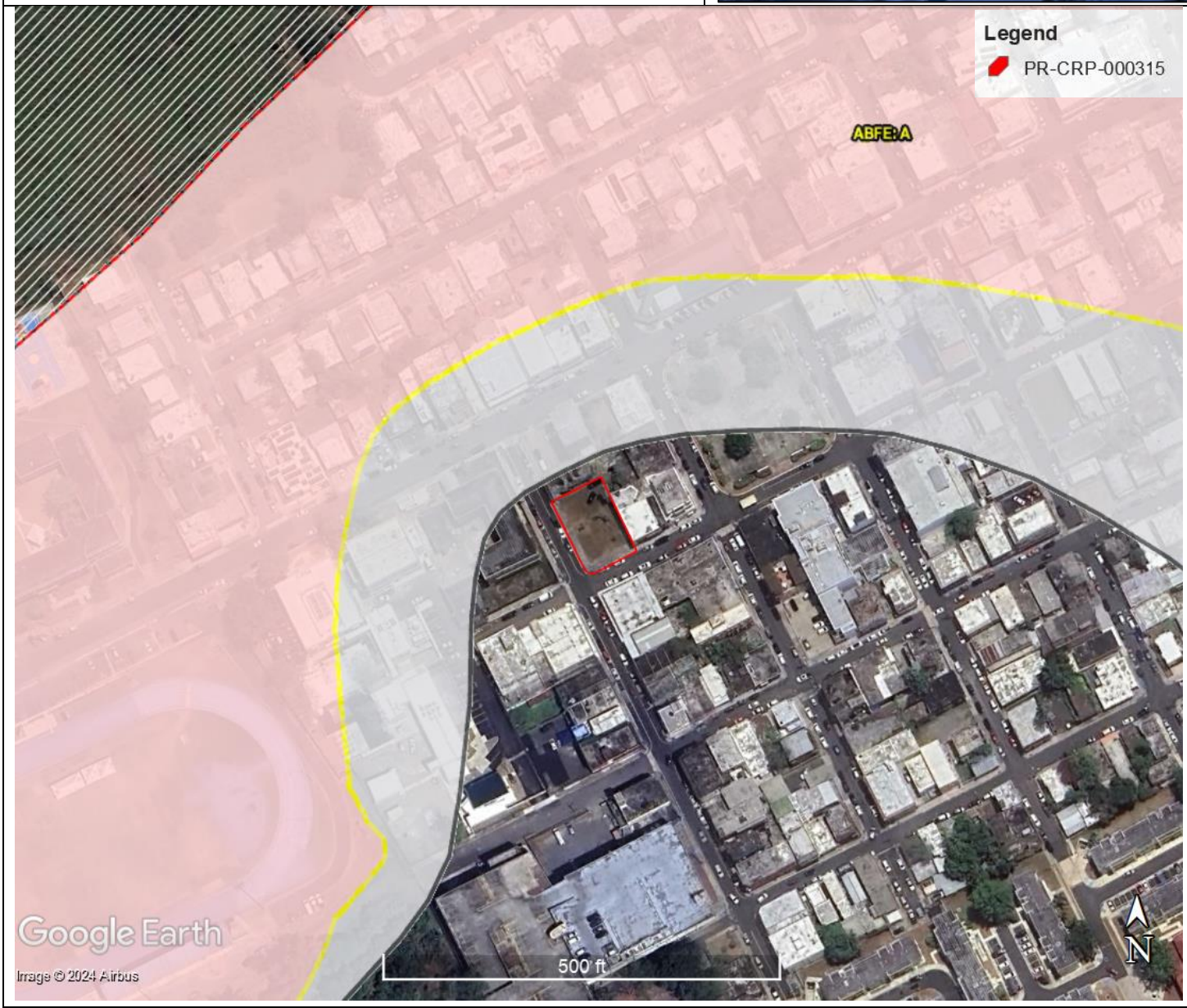
Source: 2020 Census (https://www.arcgis.com/apps/mapviewer/index.html?layers=10551da8fcd24062b1857473252b3df8)


EXHIBIT 9

Advisory Base Flood Elevation Image
Plaza Artes Teatrales (PR-CRP-000315)

1, Autonomía St. Muñoz Rivera Corner, Canóvanas
(Lat: 18.37868, Long: -65.90154)





Legend:

Flood Hazard Area (zoom in to make visible)
- A
- 0.2% Annual Chance Flood Zone
- A-Floodway
- Zone/BFE Boundary

Flood Hazard Extent
- 1% Annual Chance Flood
- 0.2% Annual Chance Flood
- Advisory Base Flood Elevation (zoom in to make visible)

Source: Advisory Base Flood Elevation Map (https://gis-r2-fema.hub.arcgis.com/apps/31dfa15671944086b54b55bfc03344d7/explore)


EXHIBIT 10

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

Tuesday, December 17, 2024

Lauren B Poche

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

SHPO-CF-11-27-24-05 PR-CRP-000315 (Canóvanas), Plaza de Artes Teatrales

Dear Ms. Poche,
Our Office has received and reviewed the above referenced project in accordance with 54 USC 306108 (commonly known as Section 106 of the National Historic Preservation Act, as amended) and 36 CFR Part 800: Protection of Historic Properties from the Advisory Council on Historic Preservation.
After a review of all the documentation, the PRSHPO concurs with your determination that the proposed project will have no adverse effect on historic properties for this undertaking conditioned to a archaeological monitoring during all ground disturbing activities for the project. An archaeology monitoring work plan must be summited to PRSHPO for its review and concurrence before any works initiates.
If you have any questions concerning our comments, do not hesitate to contact our Office.

Sincerely,

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

GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

April 30, 2024

Arch. Carlos A. Rubio Cancela
Executive Director
Puerto Rico State Historic Preservation Office
Cuartel de Ballajá, Third Floor
San Juan, Puerto Rico 00901

Re: Authorization to Submit Documents for Consultation

Dear Arch. Rubio Cancela,

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

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

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

Cordially,

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

11/27/2024

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

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

Section 106 NHPA Effect Determination Submittal for PR-CRP-000315, Plaza de Artes Teatrales, Canóvanas, Puerto Rico – *No Adverse Effect, Conditioned*

Dear Architect Rubio Cancela,

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

On behalf of PRDOH, HORNE is submitting documentation for the proposed Plaza de Artes Teatrales project in the Canóvanas Traditional Urban Center, which is eligible for listing in the National Register of Historic Places. The Municipality of Canóvanas proposes developing a vacant lot into an open-air amphitheater area and a stage area. The project includes the demolition of an existing concrete slab and sidewalk, removal of existing electrical poles and burying of electrical lines, transplanting of existing trees, site grading, landscaping, and construction of the open-air amphitheater and stage area. The full scope of the project is described in the submitted documentation, which includes mapping, photographs, and the 90% design development plans.

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

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

Kindest regards,



Lauren Bair Poche. M.A.
Architectural Historian, EHP Senior Manager
LBP/KPS

Attachments

PR-CRP-000315

Plaza de Artes Teatrales Project

Canóvanas, Puerto Rico

Section 106 Effect Determination Form

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM **CITY REVITALIZATION PROGRAM (CITY-REV)** **Section 106 NHPA Effect Determination**	[redacted]
Subrecipient: Municipality of Canóvanas	
Case ID: PR-CRP-000315	**City:** Canóvanas
Project Name: Plaza de Artes Teatrales	

Project Location: 1, Autonomía St. Muñoz Rivera Corner	
Project Coordinates: 18.37868, -65.90154	
TPID (Número de Catastro)**:** 089-086-017-08-901	
Type of Undertaking: ☐ Substantial Repair ☒ New Construction	
Construction Date (AH est.): Vacant Lot	**Property Size** (acres)**:** 0.14

SOI-Qualified Architect/Architectural Historian: Cristina Montenegro Torres
Date Reviewed: October 19 2024
SOI-Qualified Archaeologist: Tamara González Vega
Date Reviewed: September 16, 2024_November 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 applicant is seeking Community Development Block Grant disaster recovery funds financed by the federal Department of Housing and Urban Development due to damage received from the 2017 Hurricanes Irma and Maria. The Puerto Rico Department of Housing (PRDOH) has established an Agreement between PRDOH and the Municipality of Canóvanas (the "Subrecipient") for the City Revitalization Program ("Program") as part of the Community Development Block Grant for Disaster Recovery (CDBG-DR) Program. It is a Section 106 undertaking due to the use of federal dollars. Activities for this project cannot be cleared with the Programmatic Agreement.

The Municipality of Canóvanas proposes an outdoor amphitheater within the limits and heights of the lot. The project is located across a music and arts school, Eugenio Maria de Hostos and will function as a practice, gathering and social space for the youth.

The proposed project will enhance cultural association and will positively contribute to the community. The project is located on a property with an "Dotacional" (endowment) rating, so its use complies with the Urban Land classification. The design has considered all the regulatory elements and in compliance as to be presented in a ministerial manner.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) **Section 106 NHPA Effect Determination**	[redacted]
Subrecipient: Municipality of Canóvanas	
Case ID: PR-CRP-000315	**City:** Canóvanas
Project Name: Plaza de Artes Teatrales	

The proposed project will impact on an existing vacant lot, with a footprint of approximately 0.14 acres (503.5408 sqm) square meters. The lot was acquired through a public deed by the Municipality of Canóvanas. In the Map of Recommended Base Flood Levels of the Planning Board, Panel: 72000C0395J, the site is located in Zone X (0.2% Annual Flood Probability). The Lot and all rights to improvements belong to the municipality of Canóvanas.

The lot is in the center of the town of Canóvanas, where it is limited to the south by Muñoz Rivera street and to the west by Autonomía Street. To the north and east of the lot there are two buildings that both reach their respective property limits. The use of the structure to the east is for two-story housing and to the north for commercial use, medical office. Being the traditional urban area, there are no setbacks.

The proposed project entails of an open-air amphitheater area and a stage area. The stage area consists of an area of two hundred and fifty (250) square feet and an adjoining urban wall that gives continuity to the urban façade of the place. The height of the structure are leveled with its adjacent structures to enhance with the urban setting architectural features. On the east, a balcony from the neighboring structure, establishes the height level and on the north an overhand establishes the urban wall height. Historical resemblance was contemplated as an inspiration for the design considering the setbacks and efforts fulfilled by the municipality in the decade of the seventies for its official declaration.

The project will fully comply with Universal Design standards to guarantee access and enjoyment of the facilities. The proposed project will have ramps, making it easy to access. As existing levels will not be raised, excavation for foundations will be minimal.

The proposed project will only require potable water, and minimum energy consumption for lighting. The design contemplates the mitigation and reduction of runoff to the existing stormwater system of the city, by using green areas as retention systems. Lighting, from the point of view of energy supply and consumption, would be minimal. The technical specifications and plans of the project detail the construction attributes, which have been designed in accordance with the current Construction Code, PR Building Code 2018.

The project's height will not obstruct the facades of nearby eligible historic properties, including the Eugenio María de Hostos School and the Andrés Flores López School, ensuring that the architectural integrity of these landmarks is preserved.

The proposed project for the revitalization of the vacant lot will include:

Demolition works:

- The existing concrete slab to be demolished, located north of the lot on top of the grade level.
- Existing palm trees to be transplanted. (9 in total)
- The existing sidewalk to be demolished. Excavation will be required to a depth of 1 foot.
- Remove and dispose of existing electrical poles and bury all electrical lines. Excavation will be required to a maximum depth of 3 feet.

Ground Disturbing Activities

- Excavation for Foundations: Excavations will be carried out to a depth of approximately 2 feet, with widths ranging from 1 to 5 feet, depending on the structural requirements of the foundation.
- Site Grading: Minor grading will involve the removal or redistribution of soil to a depth of up to 1 foot, ensuring proper drainage and providing a stable surface for construction activities, as well as filling of soil to a height of 6 feet, forming a vegetative berm to support the proposed outdoor amphitheater.
- Excavation for Landscaping: Excavations for landscape features, such as tree planting and garden beds, will typically range from 1 to 3 feet in depth and up to 3 feet in width. These will be confined to designated planting areas.
- Electrical Line Installation: The excavation for the electrical lines will involve digging trenches of approximately 3 feet depth. The width of the trenches will typically range from 1 to 2 feet to accommodate the electrical conduits and ensure proper backfilling.

New Construction:

- Concrete Foundation for adjoining urban wall.
- Open-air concrete amphitheater and a stage area
- The implementation of landscape as a reforestation strategy.

The Project complies with all the regulatory requirements for the Construction Permit to be approved by the ministerial office, since the use is compatible within the context of the town's character and density. The reforestation practices will greatly improve the character of the place and will not alter the character of the urban center of Canóvanas.

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 includes 1, Autonomía St. and Muñoz Rivera Corner in Canóvanas.

The APE (Area of Potential Effect) encompasses an empty lot characterized by minimal vegetation, occupying a rectangular space with dimensions measuring 97 feet in length and 69 feet in width, totaling 0.14 acres. Situated at the corner of 1 Autonomía St. and Muñoz Rivera Street within an eligible historic district, the lot is bounded by Muñoz Rivera Street to the south and PR-185/Autonomía St. to the west. Its direct shortest side faces southward, while the longest side extends westward.

In terms of visual surroundings, the APE is flanked by distinct architectural elements. Along the eastern side, facing Muñoz Rivera Street, stand two-story residential units dating back to the 1970s. These structures, crafted from concrete, contribute to the visual landscape surrounding the APE. Conversely, on the western side bordering PR-185, a multi-story structure, eligible for inclusion in the National Register of Historic Places (NRHP), serves as a concrete public school. This historic edifice adds a unique visual dimension to the vicinity of the APE.

Directly facing the APE to the south, along Muñoz Rivera Street, are one-story commercial units from the same era, also constructed of concrete. These units, while modest in height, contribute to the overall visual context of the area surrounding the APE. To the north, along PR-185, lies a one-story commercial structure from the 1970s, echoing the architectural style of the neighboring buildings. Collectively, these visual elements delineate the character of the APE's immediate visual environment, highlighting the interplay between historic and contemporary architectural elements.

The Eligible Traditional Urban Center of Canóvanas stands as a vibrant testament to the 18th century, encapsulating the unfolding culture of the municipality within its structures. This area boasts a harmonious coexistence of buildings from various epochs and architectural styles, including neocolonial and postmodern designs. The Traditional Urban Center has played a pivotal role in halting the deterioration and irreversible disappearance of many historically significant and salvageable structures. The rich cultural context surrounding the site significantly enhances its value. The direct APE is within the Eligible Traditional Urban Center of Canóvanas. The project's proximity and integration within the urban center will enhance these culturally significant areas and add immeasurable value, creating a vibrant and contextually rich environment.

ensuring seamless integration with the surrounding setting and maintaining harmony within the area's context.

Identification of Historic Properties - Archaeology

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

Canóvanas has a territorial extension of 73.12 km. As for its territorial limits, it is in the northern region of Puerto Rico, with the municipality of Loíza as its northern border. To the south with Juncos and Las Piedras, to the west with Carolina and Gurabo. On the east side it is bordered by Rio Grande and again by Loíza. In the case of the area evaluated in this report, it is in the historic zone of Canóvanas. The lot is located to the southwest of the block in the northwest of the Historic Center of the municipality. The property is bordered to the north by a medical office and to the east by an uninhabited house. Until recent years, the urban property, now a cleared space, housed a two-story concrete structure. The property housed a concrete structure until circa 2010-2012. It was known in the town as La Carnicería.

Possibility of pre-Hispanic archaeological findings

In the case of the municipality of Canóvanas, little archaeological information is available. The pre-Columbian sites are associated with Agro-Pottery II groups (ca.600 AD-1,200 AD), sites CN-1 and TCN-6 were Monserrate, Santa Elena and Esperanza styles have been identified. The documented pre-Columbian sites are in the neighborhoods of Hato Puerco, Lomas, Canóvanas and Torrecilla Alta, mostly in rivers or near bodies of water, since several of them are petroglyphs. The information on pre-Columbian resources available in the reviewed collections indicates that the general area where the Project is located does not present evidence of pre-Columbian deposits. Due to the modifications that the area underwent due to later occupations, it was concluded that the potential for finding pre-Columbian resources in the area under study is low. On December 1, 2023, the report Plaza Artes Teatrales, Phase IAIB was submitted to the "Instituto de Cultura Puerto Rico". This report presents the results of a Phase IA Archaeological Survey conducted for the Project, Plaza de Las Artes, Canóvanas, Puerto Rico. The archaeological investigation was performed between the months of September, October and November of 2023, by the archaeologist Tamara González Vega (Principal Investigator), the archaeologist Andrés Principe Jácome (Field

Archaeologist), Iulianna Rosario Vasquez and Federico Guili Freytes as assistants to the field archaeologist. The study was conducted at the request of the Municipality of Canóvanas and the Architect Julián Manríquez, as part of the procedure to comply with governmental requirements for the endorsement of the Archaeology and Ethnohistory Program (PAE) of the Institute of Puerto Rican Culture (ICP) as stated in a letter dated August 30, 2023, with the purpose of establishing the presence or absence of any cultural resources of architectural, historical and archaeological value within the area of potential effects of the project. In the excavations as part of the con Phase 1A-1B archaeological survey carried out for the ICP, (ICP- PAE:CN-23-446, see attached document) five (5) trenches were excavated, and a total area scraped. The trenches had a maximum depth of 1.25 meters, and no evidence of pre-Columbian archaeological resources was found.

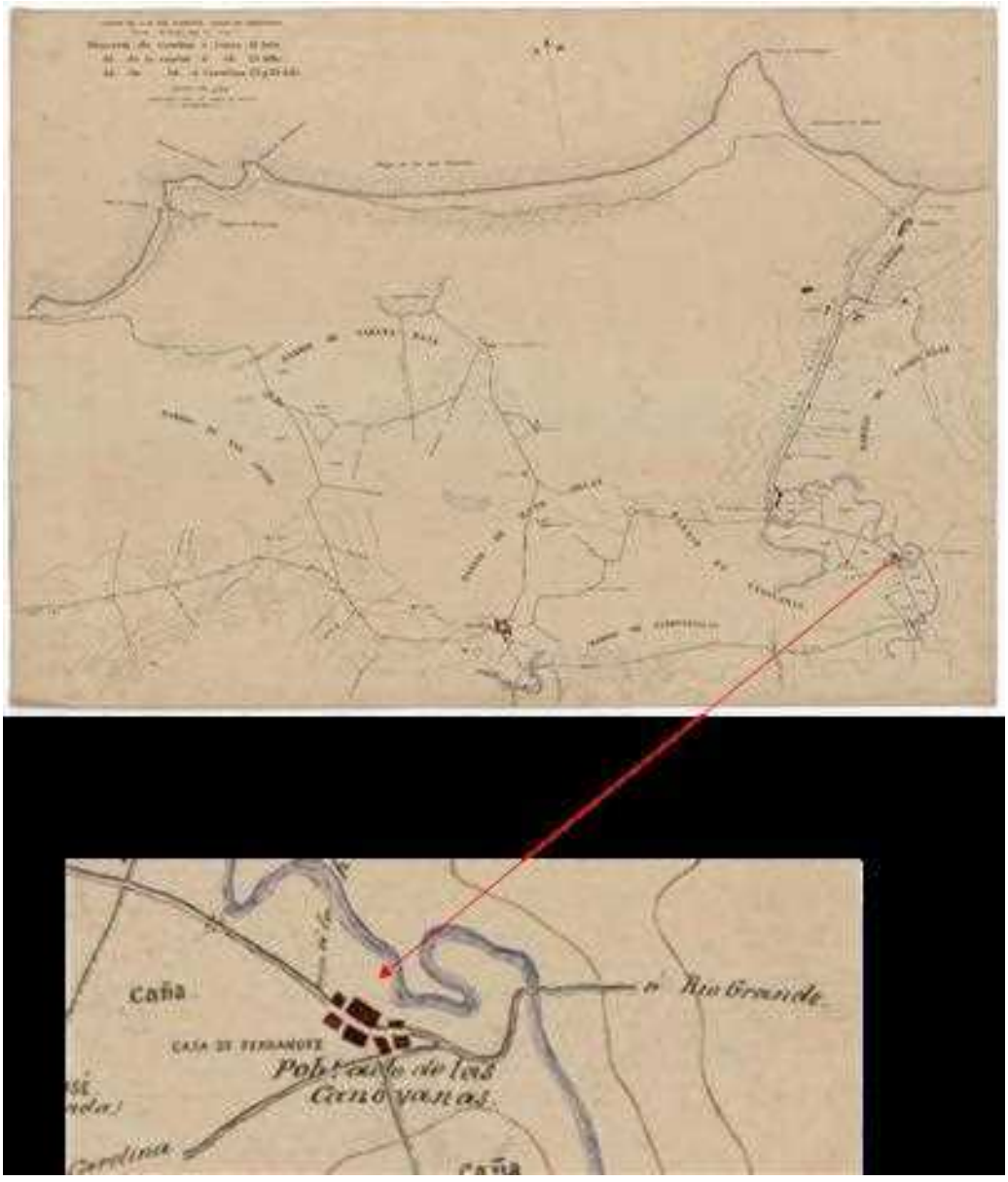
Spanish colonial period

Canóvanas was a neighborhood of the municipality of Loíza for more than 400 years. The Traditional Urban Center of Canóvanas was built during the 19th century; according to historical cartography we find "El poblado de las Canóvanas" is graphically represented for the first time in the Itinerary Plan from Carolina to Loíza of 1888. Because of its links to sugar production, Canóvanas was, for four centuries, the most important territory of the old Loíza district. The first known Spanish settlement in that area was the Ingenio San Luis, located on the western bank of the Canóvanas River, this production unit was founded by accountant Luis Pérez de Lugo in 1550, and the remains of the Hacienda San Luis are located north of the TUC.

The area did not undergo major changes until the 1780s when the sugarcane economy in Puerto Rico changed, and emigration brought foreign investors, who bought bonds from the region's sugarcane plantations. Later in the 19th century, there were seven sugar haciendas in Barrio de Canóvanas, all of them with European capital. Six owners controlled more than a thousand acres of land in the Canóvanas neighborhood. In these historical moments, Canóvanas was not the neighborhood with the highest concentration of population, but it was the one with the greatest number of haciendas and wealth, compared to the seat of the municipal government, which was supposed to be Loíza. From 1887 onward, the political and economic sectors related to sugar production began a movement to move the center of municipal power from Loíza to Canóvanas In 1887, Mr. Ricardo Rey y Villamea, General Administrator of Communications, granted the authority for a post office in the neighborhood of Canóvanas. The inhabitants of Canóvanas were interested in having it because of the delay in receiving the mail, which went first to Loíza and then from there they returned it. In 1880 Don David Carrión was granted permission to establish a butcher shop in the Canóvanas neighborhood that would sell meat on Thursdays and Sundays of each

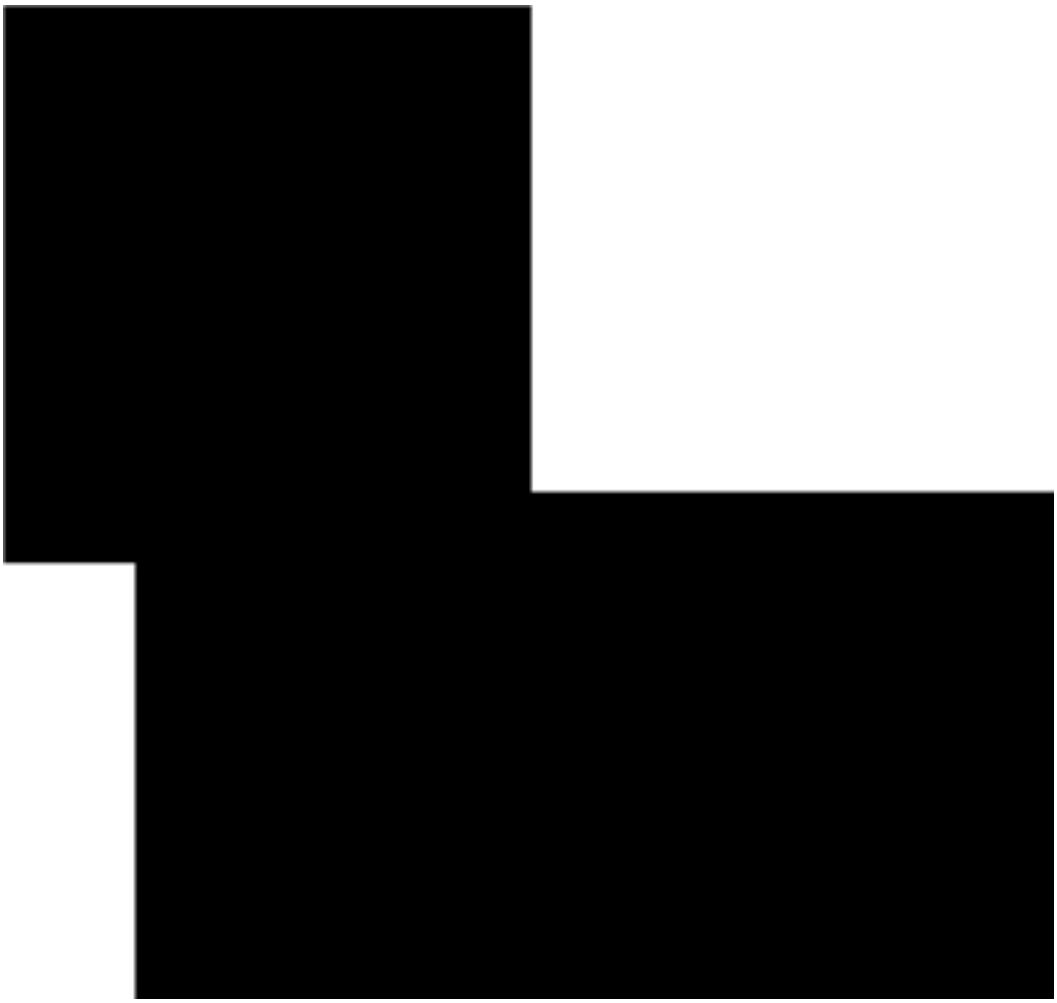
week, and at the request of th Sindico Mr. Gallardo, it was agreed that this butcher shop and that of Mr. Fernández y Sobrinos would be under the supervision of the deputy mayor Mr. Pérez and that of Hato Puerco under the supervision of the other deputy mayor Mr. Diaz. The information refers to the first owners of the property and constructor of the first building that was in the APE.

Figure: 1 1888 Itinerary from Carolina to Loíza ¨Centro Geográfico del Ejército, Cuerpo del E. M. del Ejército. Sección de Puerto-Rico¨. Original scale 1:20000. https://archivonacional.com/PL/1/1



This figure (1) shows the present municipality as a town of Canóvanas in the 1888 Itinerary of the Spanish Army. The road that runs from Carolina to Rio Grande divides the town, which consists of seven buildings, three of them on the north side of the road and four on the south side. The town is surrounded to the north by the river of the same name and the remaining area by sugar cane fields. During the 19th century, events happened during the end of the 19th century where the neighborhood of Canóvanas was recognized as being of equal or better importance and sustainability than the municipality of Loíza.

Figure: 2 Itinerary from Carolina to Loíza Army Corps of E.M. of the Army. Puerto Rico Section of the year 1891 Original scale 1:20000. https://archivonacional.com/PL/1/1



In this figure (2) from the 1891 Itinerary of the Spanish Army, Canóvanas, on the edge of the road that leads from Carolina to Juncos, is named Caserío de Canóvanas. It has a road that passes right in the middle of the hamlet called Camino Viejo (Old Road). During the first 400 years of Spanish colonization, Canóvanas was part of the Municipality of Loíza as a barrio. When examining the previous sketches made by the cartographers of the Spanish army, there are signs of sugar cane fields, farms, sugar mills, roads leading to Loíza, Carolina, Rio Grande and Juncos. There are signs of houses of residents in the extensive neighborhood. Several rivers and streams run through the area that once made up the neighborhood. These rivers are the Grande de Loíza and the Canóvanas. This particularity made the valley fertile. This contributed to the development of sugar mills and later haciendas in this part of the island. This in turn led to the neighborhood becoming a prosperous one, where settlers gathered, building what the sketches show as Poblados and/or Caserío in other towns, in the place that today we call the urban center of the municipality of Canóvanas. Don David Carrión, first owner of the lot that we investigated, occupied the position of Municipal Attorney of the town of Loíza, until he resigned from the position and a slate has been proposed for the appointment of the one that will replace him, occupying the first place of this the artisan Don Placido Rosario.

20th Century

Don David Carrión, before the incorporation of the municipality to the municipality of Rio Grande, became the mayor of Loíza in 1901 and had a butcher shop, a dairy and several cattle farms. In 1902, the Puerto Rico Legislative Assembly passed a law for the consolidation of certain municipalities. As a result, both Canóvanas and Loíza were incorporated into the Municipality of Río Grande. However, in 1905, a new law repealed the previous law, returning Canóvanas to its previous status as a barrio of Loíza. In 1909, the Municipality of Loíza's administration was transferred to the neighborhood of Canóvanas, which was more developed than Loíza. Also, the construction of PR-3 facilitated communication with Canóvanas. As a result of the transfer, land was acquired to build an urban center including a new town hall and town square. It was not until a law was passed on June 30, 1969, that both municipalities were recognized for having "clearly different population centers" recommending the establishment of two municipalities

The 1930 photograph shows the historic center of Canóvanas with its grid oriented to the northwest. The photo shows a total of 30 blocks. To the north of the plaza, PR 9959 (present day) runs east-west and PR 185 runs south. The surrounding area is mostly free of trees. The municipal cemetery can be seen to the south of the town. In this figure it can be seen the 1917 concrete structure in the shape of an "L" Don José Flores Mundo Pagán built. This structure served as a butcher shop, dairy and main house of the Mundo Pagán family. The decades from 1920 to 1940 in the municipality of Loíza (Canóvanas municipal headquarters) were plagued by economic problems.

In 1932, Hurricane San Ciprián had a great impact on the municipality, especially in the rural areas, which were devastated The situation in the Loíza-Canóvanas area is described as follows: "tragic of uncountable miseries, of human beings without shelter, of homes destroyed by the thousands, and of total ruin of fertile and rich rural areas... The buildings, warehouses, machinery, etc., have been destroyed".

By 1935 the PRERA projects were being implemented in the TUC of what is now Canóvanas, and because of these efforts, the Eugenio María de Hostos School and the Andrés Flores López Public School were remodeled. From 1930 to 1950 there were numerous conflicts between the workers of the sugar mills especially Central Canóvanas and San Vicente. Then in the 1950's, the status of Loíza Aldea began to be questioned in relation to Canóvanas, and the inhabitants of Loíza began a debate about how Canóvanas usurped the municipal seat. In 1960 the population of the urban area was 2,872 inhabitants, they have a stable economic base, due to the sugar cane plantations.

Figure: 3 Aerial photograph 1931 TUC development in Canóvanas. (ACT Photogrammetry Office)



In Figure 4 (ACT Photogrammetry Office) the displacement of the town of Canóvanas begins to be seen in the blocks north of PR 9959 (present day) and behind the Eugenio María De Hostos School. The structure of the butcher shop and dairy can be seen in the aerial photograph. The structure within the project area is present.

Figure: 4 Aerial photograph 1950, development CUT of Canóvanas urban growth.



Figure: 5 (ACT Photogrammetry Office): Shows 1917 concrete structure in the shape of an "L" Don José Flores Mundo Pagán built. This structure served as a butcher shop, dairy and main house of the Mundo Pagán family. The town in 1962 continues its expansion to the north, east and south, while to the west it is more limited. Highway # 3 to Luquillo is present passing to the south of the new part of the town, to the immediate south of the municipal cemetery.

Figure 5: Aerial photograph 1950, development TUC of Canóvanas urban growth.



Figure: 6 (ACT Photogrammetry Office): Aerial photograph 1971, having become a municipality in 1970, Canóvanas began its urban expansion. The figure shows an urban expansion where the original buildings of the historic center of 1930 have been doubled. There are new housing units on the southeast and south sides of the town. South of Highway 3, new large commercial buildings are beginning to be seen. The photograph shows the structure that occupied the property since 1917.

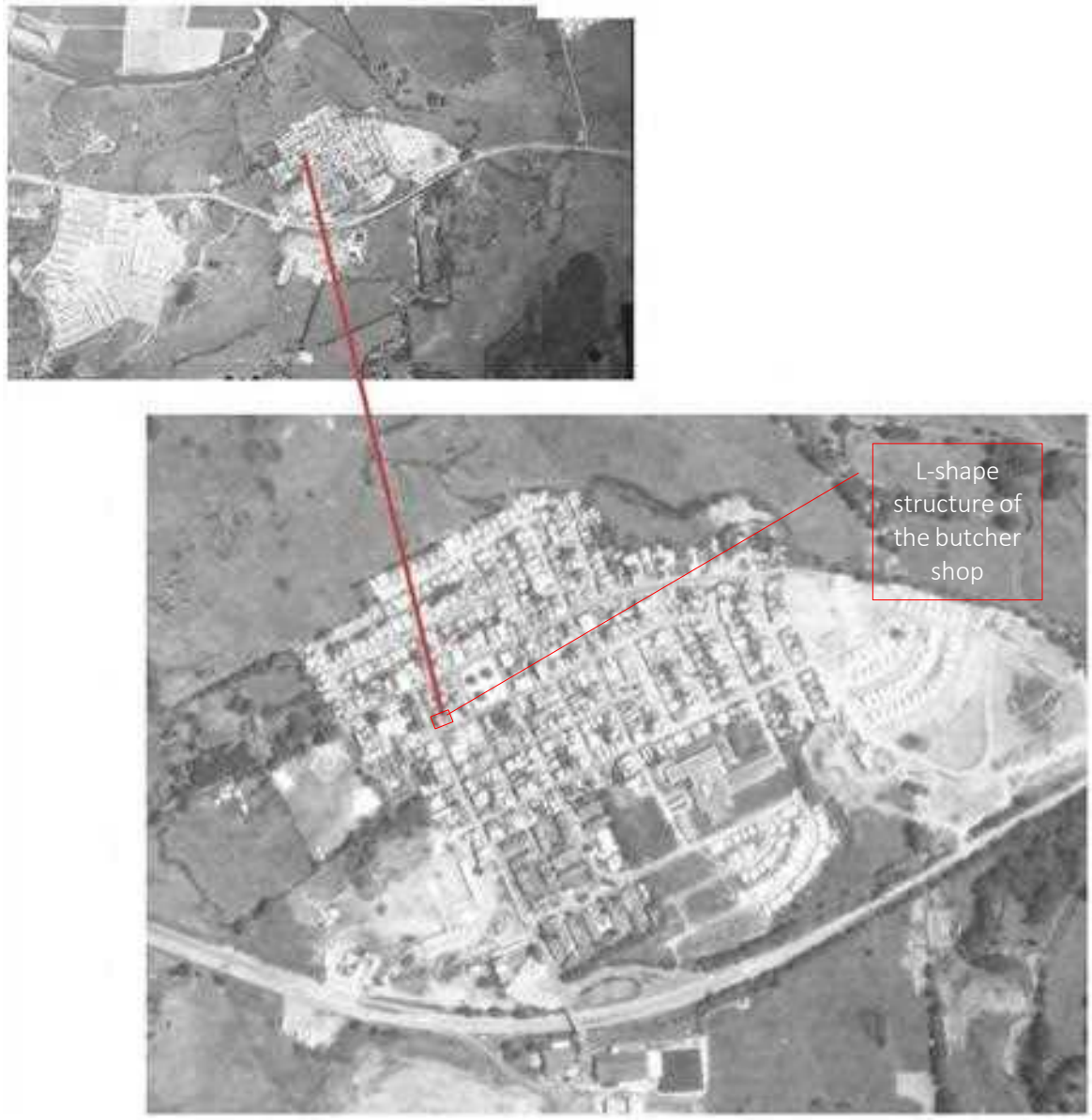


Figure: 7 The plan presents the silhouette of the property in its "L" shape. It shows the dimensions of the structure and the lot where it is located. Towards the courtyard where the stairway is located, a wooden hut is attached. Another wooden structure appears on the lot, towards the northern part of the structure. This wooden structure only appears in this plan, and we have no additional information about it. According to the oral history of the village, it was used as a residence. The streets Luis Muñoz Rivera and the old Autonomy Street, today PR 185 are presented. It shows the boundaries giving the name of the owners (to the east Nemecio Fred; to the northeast and north Succ. Olivero with a concrete house in the middle of the property. The proposed project is located on a parcel composed of two lots, where the north side lot was located a wooden residence, and the south corner lot was located a two-story concrete industrial structure. The industrial structure was known as a "Matadero".

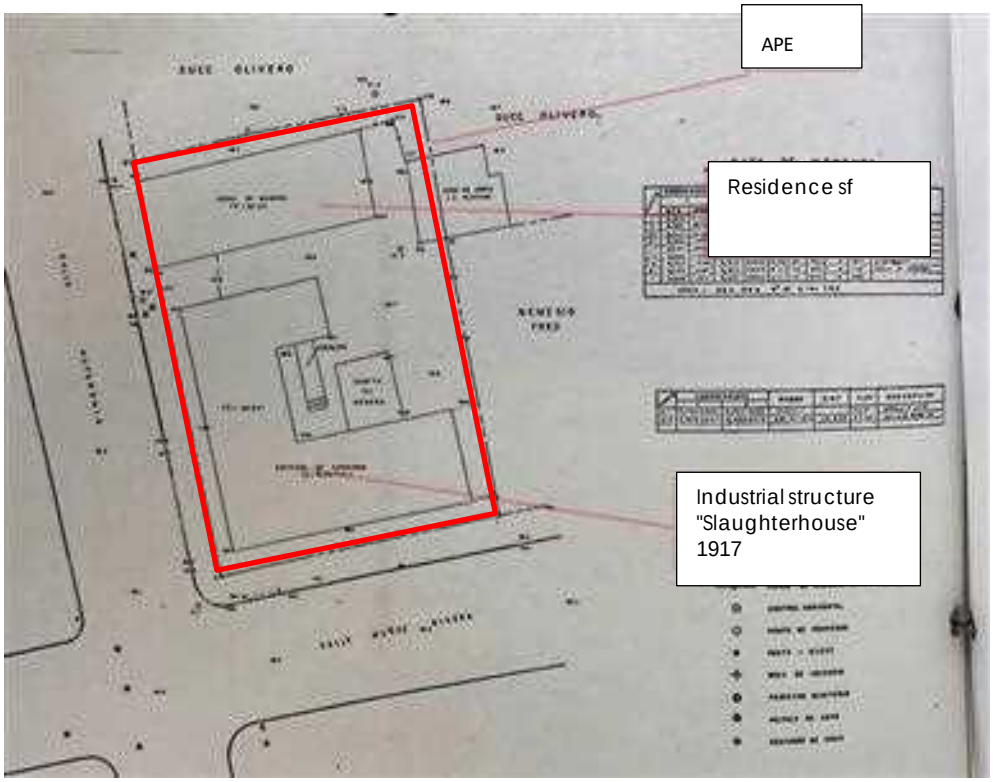


Figure: 8 (ACT Photogrammetry Office): The 1990 aerial photograph of the municipality of Canóvanas shows a development completely south of Highway 3. In the photograph, the El Comandante Racetrack appears to be constructed, as well as other facilities. The silhouette of the structure within the project area is still visible.



Figure: 9 Photo in tourist brochure from the 1990s



In a tourist brochure from the 1990s under the administration of Mayor José Soto Rivera, the neoclassical structure is presented with doors on the ground floor and windows on the upper floor. Painted with Mexican pink tones on the second floor and White with Yellow on the second floor. The ornaments attached columns and balconies are in situ.

Figure 10: Photo extracted from the files in possession of the ICP's office.



The "Antigua Lechería" belonging to the Mundo Pagán family (1917)-Munoz Rivera Street, corner of Autonomía Street. Despite its distinctly neoclassical form and design, the building preserves very eclectic and naive details, but of great architectural interest, such as pilasters tapering toward the top and composite capitals. According to oral history, it was the first building in Canóvanas made of concrete. It was built as a dairy and warehouse by the wealthy cattle rancher José Flores Mundo Pagán, who owned large extensions of pastureland between the town of Canóvanas and the Campo Rico sector. Later it became an apothecary, a home for the Mundo Pagán family, and even a municipal butcher shop; it was finally abandoned around 1972. The municipal administration at some point bought the building to convert it into the home of the Centro Cultural de Canóvanas. (Information extracted from the files in possession of the ICP's office of Built Patrimony, in Mayagüez, provided by the architect Mildred González

Figure: 11 Aerial photography 2007, Google Earth pro

The development of the municipality has potentially expanded to the south and west of the urban center, developing different developing different communities of urbanizations. The "L" shape structure is visible in this 2007 photo. Aerial photographs presented from 1931 to 2007 show the presence of the "L" shape structure within the lot/urban property. The small wooden house observed in figure # 7, cannot be seen in the aerial photos of the decade of the 30s, 1950s, 1970s, 1990s. It does not necessarily mean that it did not exist for these periods, but that the resolution, scale and clarity of the aerial photography is not sufficient to identify the small wooden house.



Figure: 14 Aerial photography 2009-2023, Google Earth pro

The 2009 photograph still shows the concrete structure in the shape of an "L" Don José Flores Mundo Pagán built. This structure served as a butcher shop, dairy and main house of the Mundo Pagán family. From 2009 onwards it is absent from the aerial photographic record. It appears as a plot of land, with grass and secondary vegetation. The structure built in 1917 was demolished by the municipality after 2009. It was not possible to find information about the exact date or the process of its demolition.



The old Butcher's Shop

In the 2002 regional investigation report of the cultural resources of Canóvanas, Puerto Rico by archaeologist M Meléndez Maíz, the structure is identified as TCN-EH8. In the preliminary inventory of the Municipality of Canóvanas , the structure is described as follows;

"The former "lecheria" is located on Muñoz Rivera Street at the corner of Autonomía. Along with the town hall, it is the only monumental building in town. It has great architectural value. It is a neoclassical, eclectic building in concrete from 1917. It has pilasters, modillions, a cornice with frieze, and pediment, all of eclectic character, and has two facades. It was built as a dairy and warehouse for the cattle rancher José Flores Mundo Pagán, later it became an apothecary, a home for the Mundo Pagán family, and a municipal butcher shop. Since 1972 it has been abandoned and in an advanced state of ruin. (PTC-M 1999:36) - Currently the structure remains abandoned and has no roof". This inventory cites the structure as being built for the cattle rancher José Flores Mundo Pagán, in this investigation, we used primary sources and found that the first owner and proprietor of the butcher shop was Mr. David Carrión, and his descendant Angelica Carrión y Carrión, is the wife of José Flores Mundo Pagán. The latter bought this structure in 1944. Mr. David Carrión was also a farm owner in the area. In addition to our use of the newspaper of the time we were able to discern the following information about the property:

- 1943 the slaughterhouse was closed by the sanitary inspector a month later it was reopened by the health department.
- 1947 funds were granted to improve the Slaughterhouse.
- 1949 repairs were made to the slaughterhouse.
- 1951 shortage of meat in the meat stands of Canóvanas and Loíza Aldea, the suppliers of the Capital are taking meat to the Capital are taking the meat to San Juan. That the price of cattle went up from 8.50 to 11. 50 per arroba. The newspaper El Mundo interviews José Pagán Mundo, a meat supplier who has been in the business for nearly 40 years, he explained the relationship between the lack of supply of meat and the hoarding of meat by the capital. Pagán explains that the towns outside the San Juan area will not have meat in their stalls.

Archaeological potential

No findings of settlements from pre-Hispanic periods have been detected in the vicinity of the study property. However, this lot has suffered several impacts from the 19th century to the present due to the various human occupations. Excavations to build socos, foundations, as well as to install infrastructure, could have significantly affected the integrity of pre-Columbian remnants of these settlements. The information presented in this report suggests that the area where farm # 5233 in the municipality of Canóvanas, has been part of the historic center of the Urban Center since the beginning of the late 19th century, when the first structure was built on the property. Later, around 1917, a neoclassical, eclectic building was built in concrete. The structure that occupied the property served as a butcher shop, under the Carrión family, then as a dairy and warehouse for the cattle rancher José Flores Mundo Pagán, later became an apothecary, home of the Mundo Pagán family. The lot has been occupied for at least the past 121 years. This structure was demolished around 2009 when the lot began to be used as a parking lot.

Results Fase IAIB

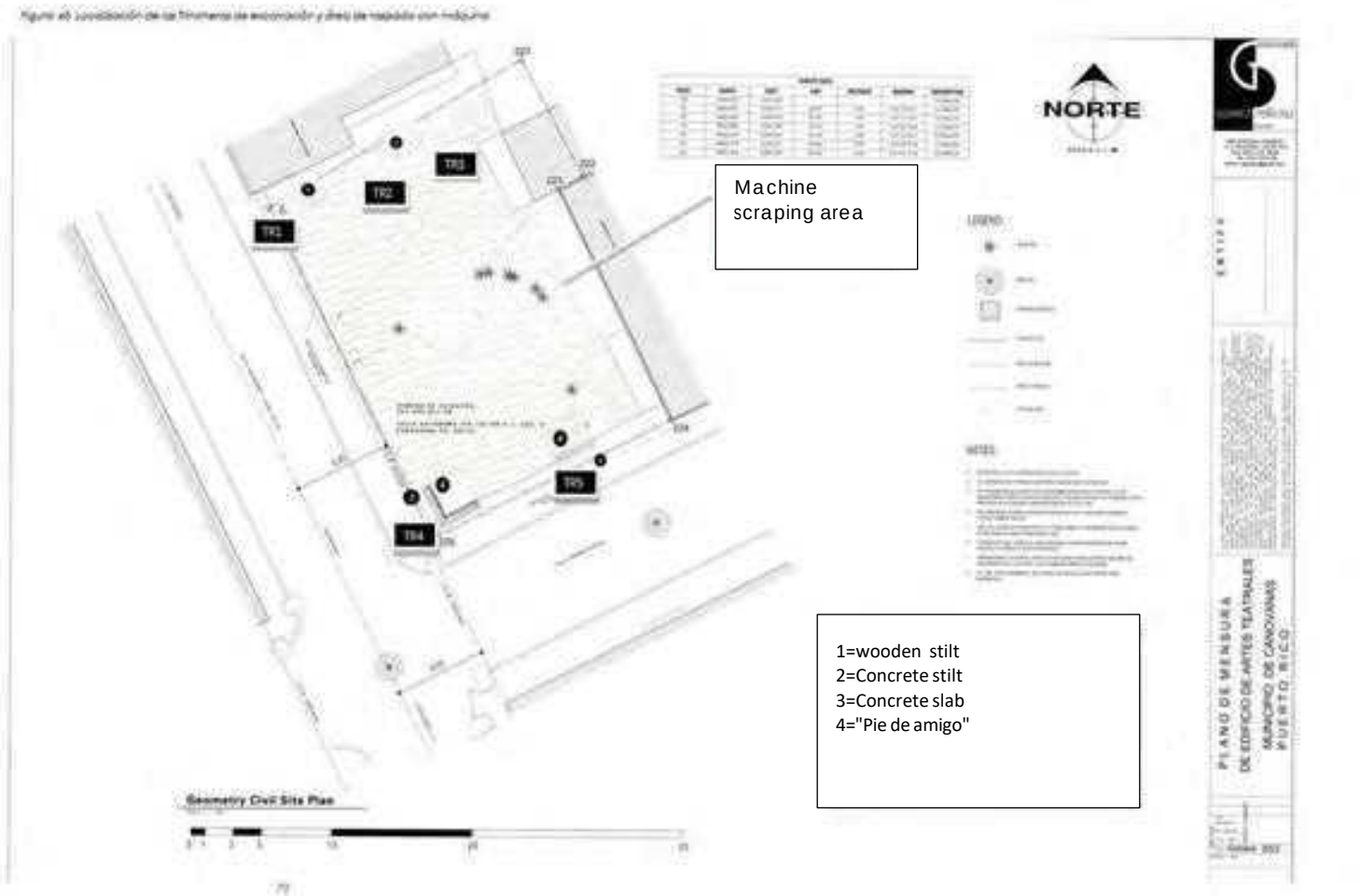
A Phase IA-IB Archaeological Survey conducted for the Project, Plaza de Las Artes, Canóvanas, Puerto Rico. The study was conducted at the request of the Municipality of Canóvanas and Architect Julián Manríquez, as part of the procedure to comply with governmental requirements for endorsement by the Archaeology and Ethnohistory Program (PAE) of the Institute of Puerto Rican Culture (ICP) the presence or absence of any cultural resources of architectural, historical, and archaeological value within the projects area of potential effects. The archaeological investigation was performed between the months of September, October and November of 2023, by the archaeologist Tamara González Vega (Principal Investigator), the archaeologist Andrés Principe Jácome (Field Archaeologist), Iulianna Rosario Vasquez and Federico Guili Freytes as assistants to the field archaeologist. The field work was carried out from October 25 to November 17 of 2023. (see attached report). As part of the research, a documentary review, a cartographic and aerial photographic analysis; a field inspection; and the excavation of mechanical test pits were carried out as part of the research. The documentary research showed that there was a high probability of finding cultural resources within the Project area.

In phase IAIB carried out in 2023, the APE was subjected to a surface scraping, the vegetative material and part of the soil was removed. The next step was to make the trenches suggested by the archaeology and ethnohistory program of the ICP. The excavated trenches were a total of five (5). Three in the northern part of the plot. The other two in the southern part. The fourth (4) was in the southwest corner of the area, providing information pertinent to the south and west side respectively. Trench five (5) was carried out in the south-central end of the property. The trenches provide information of elements in situ "socos, zapatas" was recovered. These were found in the trenches in the northern part of the project area. Specifically in trenches number one and two. In the south and southwest trenches, information relevant to the architecture of the demolished structure was recovered in situ: the "Zapata" and "pie de amigo". The foundations of walls in the north and south of the property were located, however, it is not possible to determine if they belong to the same structure. The five (5) trenches were excavated with 2x2 to a depth of between 100 cm and 1.25 cm. Trenches 1, 2, 4 and 5 tested positive for the presence structural remains but did not present a deposit of cultural artifacts related to the domestic and commercial activities associated with the structure we were investigating. Archaeological artifacts were scarce and were found in conjunction with modern garbage. However, the structural remains have integrity, and it is possible that excavations in other areas of the lot may find archaeological deposits with stratigraphic integrity.(see Table 1)

Table 1: Summary of the excavation of the trenches

Trench	location in figure	Dimensions	Maximum depth	Notes
1	North	2 x 1.5mt X 40 cm	40 cm water table	Features "soco" in cement Nipple in metal, whiteware pottery
2	North	2 x 1.70 X 1.10 m	1.10 m	Pieces of wood, "soco" footprint
3	North	2 x 2.5 X 1.04 m	1.04 m	negative
4	South and West	2.5 X 2.5 X 1.25 m	1.25 m	Concrete structure foundations
5	North	2 x 2 x1.23 m	1.23 m	Concrete structure foundations

Figure: 15 Location of the excavation trenches and machine scraping area.



Photographs of structural elements found in Phase IB

Photo: 1 North wall of Trench 2



Photo 2: South wall of Trench 4



Photo 3: East walls of Trench 5



In the .25 miles radius of the project, we found 7 archaeological studies , two(2) of which correspond to IAIB phases, three (3) IB phases, one (6) regional study (1) inventory of historic properties. Most of the projects were infrastructure constructions. A table (Table 2) with a summary of the studies is included and Figures 16 and 17 show their location.

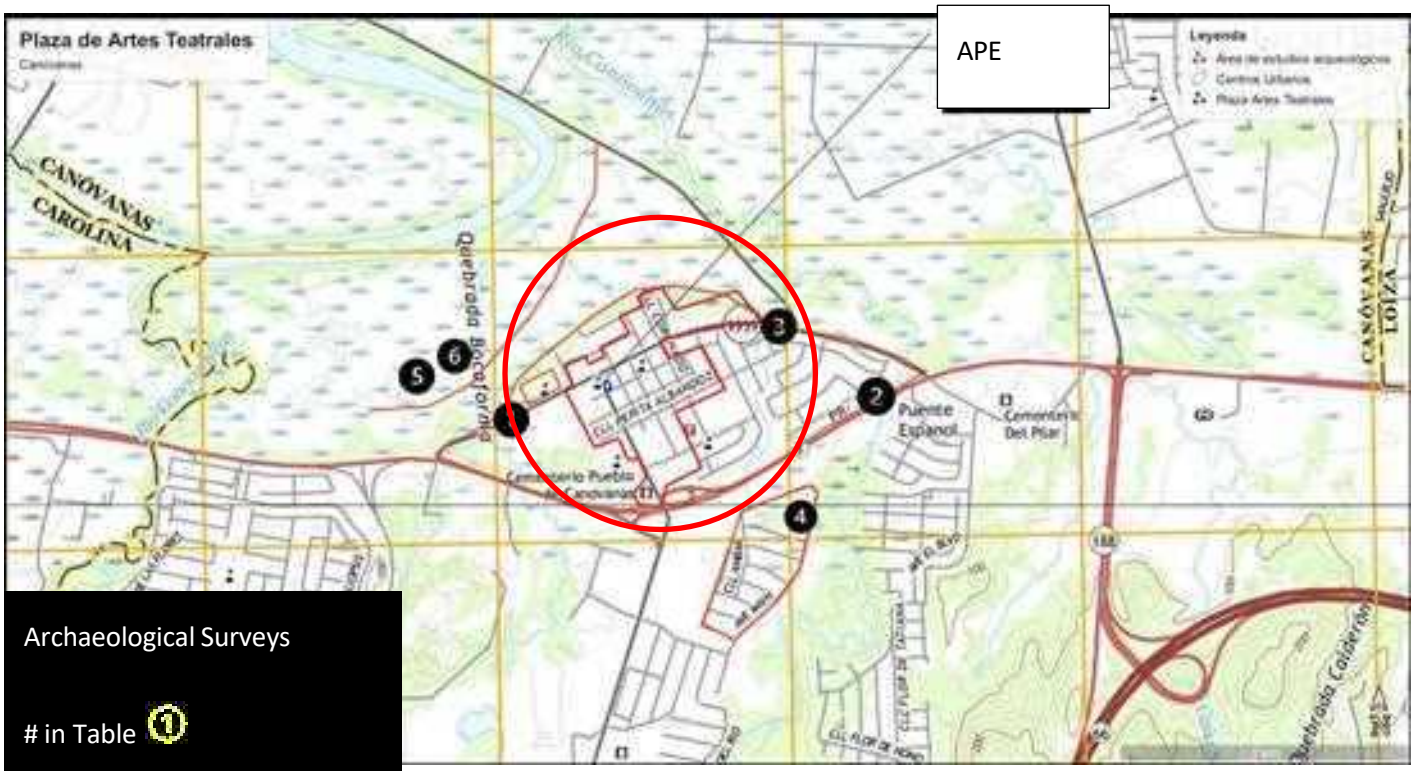
Table 2: Archaeological surveys in the .25 miles radius of the project

# Map	Author	Phase/Author	Date	SHPO / IPRC #	Results	Distance/ Orientation
1	Meléndez Maíz, Marisol	IB/Escuela Intermedia Urbana Antonio R. Barceló	1994	CN-94-0107	Negative	158 m NW
2	Meléndez Maíz, Marisol	Estudio Regional. Investigación Regional Recursos Culturales del Municipio de Canóvanas"	2002	CAT- 0163	Documentation of pre-Columbian archaeological historical and architectural sites	Within
3	ICP, Sede Regional del Este	Inventario preliminar de estructuras de valor histórico y arquitectónico de centro urbano de Canóvanas	1992	Plan territorial Canóvanas	12 structures were identified in the TUC dated between 1910 and 1940.	Within
4	SIBANACAN	IA-IB "Residencia Quintas de Canóvanas"	1986	10-24-84-10	They located the foundations of the old railroad track used by the cane transporting machine.	608. m SE
5	Miguel Rodríguez	I-B Canovanilla Trunk Sewer	1986	09-17-86-11	Hacienda San Luis	335 m NW
6	Miguel Rodriguez	I-B Canovanilla Trunk Sewer	1986	09-17-86-11	IBID	335 metros
7	Tamara González Vega	IAIB Plaza Artes Teatrales	2023	ICP-PAE:CN-23-446	Positive to Structural Remains	Within

Figure 16: Location of archaeological studies in the periphery of the project Aerial photo 2023 ESRI.



Figure 17:Location of archaeological surveys on the periphery of the USGS 2018 project, Photo revised Google Earth Pro, ESRI, SAS Planet



Cultural resources inventory

The Traditional Urban Center of Canóvanas is divided into 38 blocks and have an oval form, whose limit is PR-3 to the south and the alluvial plains of the Canóvanas River to the north. Even today it still preserves the original grid with a square, not in the center, but on one of its sides (today's Palmer Street). This original nucleus is where most of the commercial uses are concentrated today and part of the government buildings are located, surrounded by single-family housing developments.

In the .25 miles radius surrounding the proposed project, there are 15 historic properties (Table 2, Figures 18,19) The buildings adjacent to the east of the project on Muñoz Rivera Street are two historic residential units from the 1970s and are made of concrete. The adjacent building to the west of the area of interest on PR-185 is a multi-story concrete public school. The front of the buildings south of the APE on Muñoz Rivera Street are one-story, 1970s commercial units and are made of concrete. The rear building north of the APE on PR-185 is a one-story commercial structure from the 1970s and is made of concrete.

The project area is currently a vacant lot, with minimal vegetation. This site was the location for Old Slaughterhouse and Meat Warehouse, (Property eligible to the NRHP under Criteria A and C; demolished). The area surrounding the proposed project has undergone significant changes since the date of its construction and the historic features that made the APE distinctive are no longer in place. The current environment consists primarily of commercial and civic use. The perimeter has buildings dating from around 1900 the oldest to 1970 the most recent construction.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination	[redacted]
Subrecipient: Municipality of Canóvanas	
Case ID: PR-CRP-000315	**City:** Canóvanas
Project Name: Plaza de Artes Teatrales	

Table 3: Reported cultural resources in the .25 miles of the project area

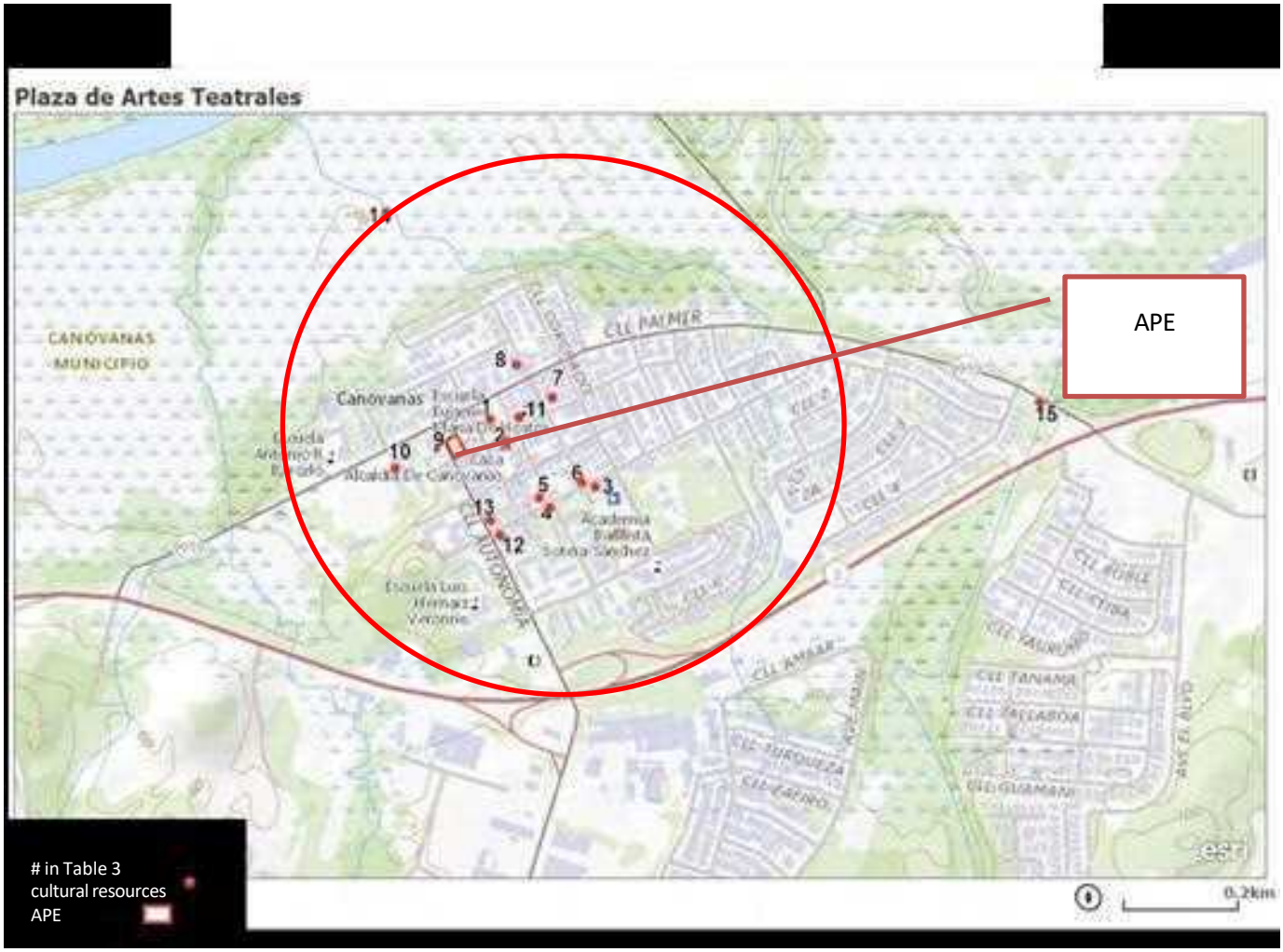
# map	Name	SHPO -id #	IPRC id #	Distance/Direction	Description	NRHP- ICP/JP
1	Plaza pública Juan Francisco Arroyo Salamán	No data	No data	36m/118.11 West	c. 1900	Eligible
2	Casa Alcaldía	No data	CN- 40	62.5 m/98 feet East	Neoclassical style building/1907- 1910	Eligible
3	CN-42 Albandoz esq. Blanco Sosa	No data	CN- 42	232 m/761 feet to the southeast	Creole wooden house 1910	No data
4	CN-44, Luis Hernaiz 80	No data	CN- 44	177 m/580 feet southeast	1930's Creole wooden bungalow style house	No data
5	CN-45, Luis Hernaiz 76	No data	CN- 45	145 m/475 feet southeast	1930's Creole wooden bungalow style house	No data
6	CN-46, Blanco Sosa	No data	CN- 46	204 m/669 feet southeast	1930's Creole wooden bungalow style house	No data
7	CN-47, Muñoz Rivera esq. Blanca Sosa	No data	CN- 47	160 m/524 feet East	neoclassical style building built between 1930	No data
8	CN-49, ¨Parque de Bombas	No data	CN- 49	164 m/538 feet northeast	Art deco style building from 1940s	Eligible
9	Escuela pública Eugenio María de Hostos	CW0200025	TCN-EH6	95 m/49 feet north	PRERA school, 1925	Eligible
10	Escuela pública Andrés Flores López	CW0200026	TCN-EH6	95 m/49 feet West	PRERA school, 1925	Eligible
11	Colegio Nuestra Señora del Pilar	No data	No data	32m/311 feet West	No data	
12	55-57 Calle Pepita Almandoz	No data	No data	214 metros/702 feet Southwest	"streamline with art deco features	No data

#map	Name	SHPO -id #	IPRC id #	Distance/Direction	Description	NRHP-ICP/JP
13	Calle Autonomía	No data	No data	120 m /393 feet to the south	"streamline with art deco features	No data
14	Ingenio San Luis	CW0200006	No data	399 m/0.24 feet to South	"Ingenio de Azúcar", XVII; CN-H5	No data
15	Puente Villarán	TCN-EH2	No data	977 meters east	1892	Listed

Figure 18: Reported cultural resources in the .25 miles of the project area
Aerial photo 2023 ESRI.



Figure 19: Reported cultural resources in the .25 miles of the project area USGS 2021 ESRI.



Identification of Historic Properties - Architecture

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

The evaluation considers eligible historical properties that are within a 1/4-mile radius with emphasis on those in the visual APE. This consideration is in the best interest of identifying properties that will or can incur a direct effect.

Historic Properties within a ¼ mile radius:

1. Canóvanas Public Square was built in the 19th century, eligible for criteria A and C, and located in 18.379064, -65.900909. It is 44 meters east from the APE.

2. Canóvanas Town Hall was built circa 1920, the style is neoclassical, eligible for criteria A and C, and located in 18.378723, -65.90084. It is 59 meters south of the APE.

3. Municipal Cemetery: built circa 1930, and located in 18.375444, -65.900363. It is 385 meters south of the APE.

4. Nuestra Señora del Pilar Parish was built circa 1970, the style is Postmodern, eligible for criteria C, and located in 18.379159, -65.900606. It is 118 meters east of the APE.

5. Colegio Nuestra Señora del Pilar was built circa 1970, the style is Postmodern, eligible for criteria C, and located in 18.379133, -65.900548. It is 96 meters east of the APE.

6. Andrés Flores López School was built circa 1940, style is Neo-Renaissance, eligible for criteria C, and located in 18.378564, -65.902364. It is 42 meters west of the APE.

7. Eugenio María de Hostos School was built circa 1925, the style is Postmodern, eligible for Criteria c, and located in 18.378737, -65.901927. It is 96 meters west of the APE.

8. Fire Station: built circa 1942-1955, the style is Art Deco, eligible for criteria

C, and located in 18.379538, -65.901694. It is 171 meters north of the APE.

9. Seventh-day Adventist Church built circa 1970, the style is Postmodern, eligible for criteria C, and located in 18.379188, -65.899707. It is 190 meters east of the APE.

10. Jesús T. Piñero Residential built circa 1954, the style is Postmodern, eligible for criteria C, and located in 18.376732, -65.900078. It is 233 meters south of the APE.

11. A Commercial three-story building, Parcel ID: 089-076-010-01 was built circa 1970, eligible for criteria C, and located in 18.379394, -65.900713. This is 97 meters north of the APE.

12. A commercial two-story building, Parcel ID: 089-076-048-12 was built circa 1964, eligible for criteria C, and located in 18.3797027, -65.9009200. it is 118 meters north of the APE.

13. Farmacia Olivero was built circa 1960 eligible for criteria C, and located in 18.3788071, -65.901279. This is 23 meters east of the APE.

Historic properties visible from APE:

The APE has significant Architectural historical value therefore a detailed description of NRHP-eligible historic properties is presented to record the historical contributing elements to the traditional urban center and support the final determination for the proposed project.

- Canóvanas Public square, Professor Juan Francisco Arroyo Salamán (Photo 18)
- Canóvanas Town hall (Photo 15)
- Andres Flores Lopez Public school (Photo 13)
- Eugenio Maria de Hostos Public school (Photo 2 and 14)
- Farmacia Olivero (Photo 19)

Canóvanas Public square Professor Juan Francisco Arroyo Salamán

The Canóvanas Traditional Urban Center was built during the 19th century; according to 1946 historical cartography and aerial photographs, it can be deduced that the Canóvanas public square has undergone few changes in its original demarcation. In

1937, improvements were completed to the Public Square, without significant alterations to the original geometry.

The main square of Canóvanas is surrounded by Muñoz Rivera Street to the south and bounded by PR- 9959 to the north. Luis Hernaíz Street to the east and Calderón Mújica Street to the west. The Plaza is rectangular in shape and the main shortest façade is facing to the south. The Plaza occupies a footprint of 2,913.5 m². The public square materiality is concrete construction and has concrete floor tiles installed. Centered in the public square, an octagon flooring concrete pattern is present, and a bronze statue remarks the center of the plaza. In addition, planters at each corner of the public square are evident to enclose visually the perimeter.

The quality of significance, as defined by the NRHP, is present in buildings that possess integrity of location, design, setting, materials, workmanship, feeling, and association. This property fulfills four (4) of seven (7) criteria: Location, Setting, Feeling, and Association.

The type of significance, as defined by the NRHP, is evaluated on buildings in terms of the following criteria considerations: A-Event, B-Person, C-Design & Construction, D Information Potential. This property fulfills one (1) of the four (4) criteria: A-Event and C-Design

A-Event: The Canóvanas Plaza holds significant historical value as it functioned as the paramount gathering hub for all civil events and communal activities during the formative stages of the town's cultural evolution. Throughout its history, the plaza served as a focal point for social gatherings, community celebrations, and important civic events, fostering a sense of unity and camaraderie among the residents of Canóvanas . Its central location and spacious layout made it the ideal venue for various cultural, political, and recreational activities, reflecting the town's vibrant social fabric and embodying its collective spirit. As such, the Canóvanas Plaza stands as a tangible symbol of the town's rich heritage and enduring legacy, exemplifying the integral role it has played in shaping the cultural identity and historical narrative of the community.

C-Design & Construction: The Canóvanas Plaza is associated with the eligible traditional Urban center and embodies distinctive architectonic characteristics and methods of construction. It is noticeable the work of a master possesses high artistic value as other architectural representations from the dated periods.

As above mentioned, Professor Juan Francisco Arroyo Salamán Public Square **contributes** to the Canóvanas Traditional Urban Center since it conveys the following aspects of integrity: Location, Setting, Feeling, and Association. The Public Square represents a sense of feeling and association with the eligible district and is **eligible under Criterion A and C.**

Canóvanas Town Hall

Canóvanas Town hall original structure was built in 1907 and rehabilitated in 1920, it's an eligible historical property. The Town hall has a rectangular-shaped floorplan, composed of two stories and occupies a footprint of 298.19 m². The Town hall has simple geometric neoclassical forms composed of grand-scale volumes. The longest main façade is facing north, and the materiality is concrete construction with a flat roof. The main façade has a circular pediment centered on the façade, below a cornice and six concrete pilasters are equally distanced from the centered-on façade. The structure is divided by six pilaster bays in both stories and the main door to egress the Town hall is centered on the lower-level main façade. This is arched opening with a double wood door installed. On the main story, symmetrically placed of the door, two arched window openings with horizontal wooden blinds are present at each side of the main façade. The upper level has six arched door openings with horizontal wooden blinds type. On this area, a concrete balcony extrudes from façade, and it's enclosed with ornamental metal railing. The sides and rear elevations are made of concrete and Miami aluminum windows are installed.

The quality of significance, as defined by the NRHP, is present in buildings that possess the following aspects of integrity: location, design, setting, materials, workmanship, feeling, and association. The Canóvanas Town hall fulfills all seven aspects of integrity.

The type of significance, as defined by the NRHP, is evaluated on buildings in terms of the following criteria considerations: A-Event, B-Person, C-Design & Construction, D-Information Potential. This property fulfills two (2) of the four (4) criteria: A-Event and C-Design & Construction

A-Event: The Canóvanas Town hall is is associated with events that have made a significant contribution to the broad patterns of our history.

The Canóvanas City Hal is locally significant under Criterion A, Politics/Government. The establishment of the municipality in 1970 represented the long overdue collective aspiration and efforts of the people of Canóvanas in having an official and purposedly built seat for their municipal government.

C-Design & Construction: The Canóvanas Town hall is associated with the eligible traditional Urban center and embodies distinctive architectonic characteristics and methods of construction. It is noticeable the work of a master possesses high artistic value as other architectural representations from the dated periods.

As above mentioned, the Canóvanas Town hall **contributes** to the Canóvanas Traditional Urban Center since it conveys the following aspects of integrity and criteria considerations: Location, Design, Setting, Materials, Workmanship, Feeling and

Association, and other Architectural features such as Neoclassical Architecture style, pediment, and pilasters. The Property architecture conveys a sense of feeling and association with the eligible district and is therefore **eligible under Criterion A and C.**

Andres Flores Lopez Public school

The school building was designed in the Mission Spanish Revival style and built circa 1940. Funding for the construction came from the Puerto Rico Reconstruction Administration, a New Deal agency. The school was designed by Puerto Rican State Architect Rafael Carmoega.

The Andres Flores Lopez School, located off PR-9959/Palmer St. is a rectangular, two stories, reinforced concrete building with Spanish roof tiles. The school was built in 1940 and occupies a footprint of 402.91 m². The neoclassical and Spanish Revival style present a unique and elaborated frontispiece in the front façade. The symmetrical composition of the entrance frontispiece is further emphasized at window groupings by highlighting the window at center, with a pediment crown. Centerer on the same façade in the lower level an arched opening is present with pilasters embeded at each side and a cornice surrounding the arch is evident. On top, Andres Flores Lopez lettering is engraved. Symmetrically placed, colonial metal case windows appear in sets of five at each side of the main façade along with a flat cornice centered in the right and left upper area. The main façade has adhered features such as bull eyes, squares, oval medallions, and trimming. The sides and rear elevation cornice wraps around the building's sides.

The quality of significance, as defined by the NRHP, is present in buildings that possess the following aspects of integrity: location, design, setting, materials, workmanship, feeling, and association. The Andres Flores Lopez School fulfills all seven aspects of integrity.

The type of significance, as defined by the NRHP, is evaluated on buildings in terms of the following criteria considerations: A-Event, B-Person, C-Design & Construction, D-Information Potential. This property fulfills one (1) of the four (4) criteria: C-Design & Construction.

C-Design & Construction: The Andres Flores Lopez School is a noteworthy example of the public effort to erect multiple schools in Puerto Rico during the early 20th century by repeating prototypical, building typologies throughout the Island. As above mentioned, the Andres Flores Lopez School **contributes** to the Canóvanas Traditional Urban Center since it conveys the following aspects of integrity and criteria considerations: Location, Design, Setting, Materials, Workmanship, Feeling and Association, and other Architectural features such as the concrete ornamental blocks and concrete vertical features. The Property architecture conveys a sense of feeling and association with the eligible district and is therefore **eligible under Criterion C.**

Eugenio Maria de Hostos school

The Eugenio Maria de Hostos school building was designed in the Art Deco style and built circa 1925. Funding for the construction came from the Puerto Rico Reconstruction Administration, a New Deal agency. It is a two-story U-shaped building made of concrete with a flat overhang roof structure. The building has an eave that crowns the building along the U-shaped area. The longest main façade is framed by two tower-like elements that balance the vertical rhythm of the central portion. The tower elements have a pediment that extrudes from the horizontal eave and across this area, embedded lines are present to enhance the Art Deco style. Centered in the lower level a concrete eave with beveled corners is present to cover the main access through a two-leaf flush wood door. The school has Miami aluminum windows across the building. The rear elevation has an inner patio and windows of the same type are installed.

The quality of significance, as defined by the NRHP, is present in buildings that possess the following aspects of integrity: location, design, setting, materials, workmanship, feeling, and association. The Eugenio Maria de Hostos School fulfills all seven aspects of integrity.

The type of significance, as defined by the NRHP, is evaluated on buildings in terms of the following criteria considerations: A-Event, B-Person, C-Design & Construction, D-Information Potential. This property fulfills one (1) of the four (4) criteria: C-Design & Construction.

C-Design & Construction: The Eugenio Maria de Hostos School is a noteworthy example of the public effort to erect multiple schools in Puerto Rico during the early 20th century by repeating prototypical, building typologies throughout the Island.

As above mentioned, the Eugenio Maria de Hostos School **contributes** to the Canóvanas Traditional Urban Center since it conveys the following aspects of integrity and criteria considerations: Location, Design, Setting, Materials, Workmanship, Feeling and Association, and other Architectural features such as the concrete ornamental blocks and concrete vertical features. The Property architecture conveys a sense of feeling and association with the eligible district and is therefore **eligible under Criterion C.**

This property is located at the east of APE and the proposed project will not visually affect the integrity of the eligible property, since the proposed design will reflect an architectural language from the 21st century and does not mimic architectural features from other properties in the proximity of the APE.

Determination

The project is situated within an NRHP-eligible Traditional Urban Center and when considering architectural and archeological elements both individually and together, their importance from a historical point of view is undeniable.

In archaeological terms, given the past experiences with previous construction projects in traditional urban centers in Puerto Rico, it is known the sensitivity of these areas. For these reasons, the potential of finding previously unidentified archaeological resources with integrity within the project area is very high. According to what has been discussed, we understand that in the area under study, there is potential for the existence of architectural remains of various occupations, such as foundations, traces of walls and columns, floors, latrines, utilities water management, and collection structures.

There is also the potential for artifacts associated with the activities carried out on the site (butchery, slaughterhouse) to exist in the form of domestic and commercial garbage dumps. If present, archaeological remnants of previous occupations may have stratigraphic integrity. Therefore, we recommend archaeological monitoring at the site/urban property where the proposed project will be located.

The proposed design will not enhance a false sense of history and historically responsible design strategies have been considered to produce a contribution of the 21st century to the Canovánas traditional urban center. The placement of the new construction and features considers the historical evolution of the setting and scale to maintain the essence of what has been typical for the APE. The design prioritizes urban scale considerations, ensuring a thoughtful integration with its surroundings. It's important to note that the eligible properties within the direct and indirect APE are not part of the proposed project and will remain unaffected during construction and demolition activities. In evaluating the extended impact of the Visual or Indirect Areas of Potential Effect, the proposed project may not directly affect these areas, its construction phase could lead to aesthetic changes and disruptions to local transit that extend beyond its immediate footprint. To mitigate these effects, careful coordination of access roads and staging areas is essential in minimizing disturbances within the traditional urban center.

<u>Direct Effect:</u>

- A Phase IA/IB Archaeological Survey was conducted for the Plaza de Las Artes project in Canóvanas, Puerto Rico, at the request of the Municipality of Canóvanas and Architect Julián Manríquez. The survey, aimed at complying with the Institute of Puerto Rican Culture (ICP) Archaeology and Ethnohistory Program (PAE) requirements, included documentary research, cartographic and aerial

photo analysis, field inspections, and the excavation of five mechanical test trenches. While four trenches revealed structural remains, no significant cultural artifacts related to the site's domestic or commercial activities were uncovered.

- In the Area of Potential Effect, the direct impact on the corner empty lot will be the construction of the proposed project. However, the project will not impact the historical significance or eligibility of the surrounding properties, as outlined in the historical criteria.

Indirect effect:

- The proposed project will have positive indirect effects on both the Eugenio María de Hostos School and the surrounding indirect APE, contributing to various aspects such as social and educational

    - o Social Impact: The proposed project will serve as a central gathering point for the community, fostering a stronger connection among residents. By enhancing the space with ADA-compliant access, reforestation, and new public facilities, the project will contribute to the community's sense of pride and belonging. The proximity to the Eugenio María de Hostos School may lead to increased use of the plaza for school and community events, becoming a focal point of local culture and heritage.
    - o Educational Impact: The proximity of the school to the new plaza offers the potential for it to serve as an outdoor educational space, where students can engage in learning activities that connect them to their local history and environment.

    Indirect effects Specific to Eugenio María de Hostos School:

    - o Enhanced Accessibility and Use for School Activities: The ADA-compliant design and the addition of accessible ramps and pavilions ensure that students, staff, and visitors, including those with disabilities, will have easy access to the "Plaza de las Artes Teatrales" . This will allow the school to utilize the space for educational outings, physical activities, or school events, further integrating the plaza into the school's community.
    - o Aesthetic and Functional Enhancement: The proposed plaza, such as shade pavilions, new lighting, and new program space, will create a more inviting environment for students and residents alike. The enhanced usability of the space will provide students with a nearby recreational area, encouraging outdoor engagement.

In summary, the indirect effects of the project on the Eugenio María de Hostos School and the broader APE will support community cohesion, educational opportunities, and sustainable urban development.

Based on this, **a No Adverse Effect** determination is appropriate for this project, if the following recommendations are followed; Archaeological Supervision to identify the possible archaeological deposits or elements in the APE during the construction process.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM **CITY REVITALIZATION PROGRAM (CITY-REV)** **Section 106 NHPA Effect Determination**	[redacted] GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Subrecipient: Municipality of Canóvanas	
Case ID: PR-CRP-000315	**City:** Canóvanas
Project Name: Plaza de Artes Teatrales	

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

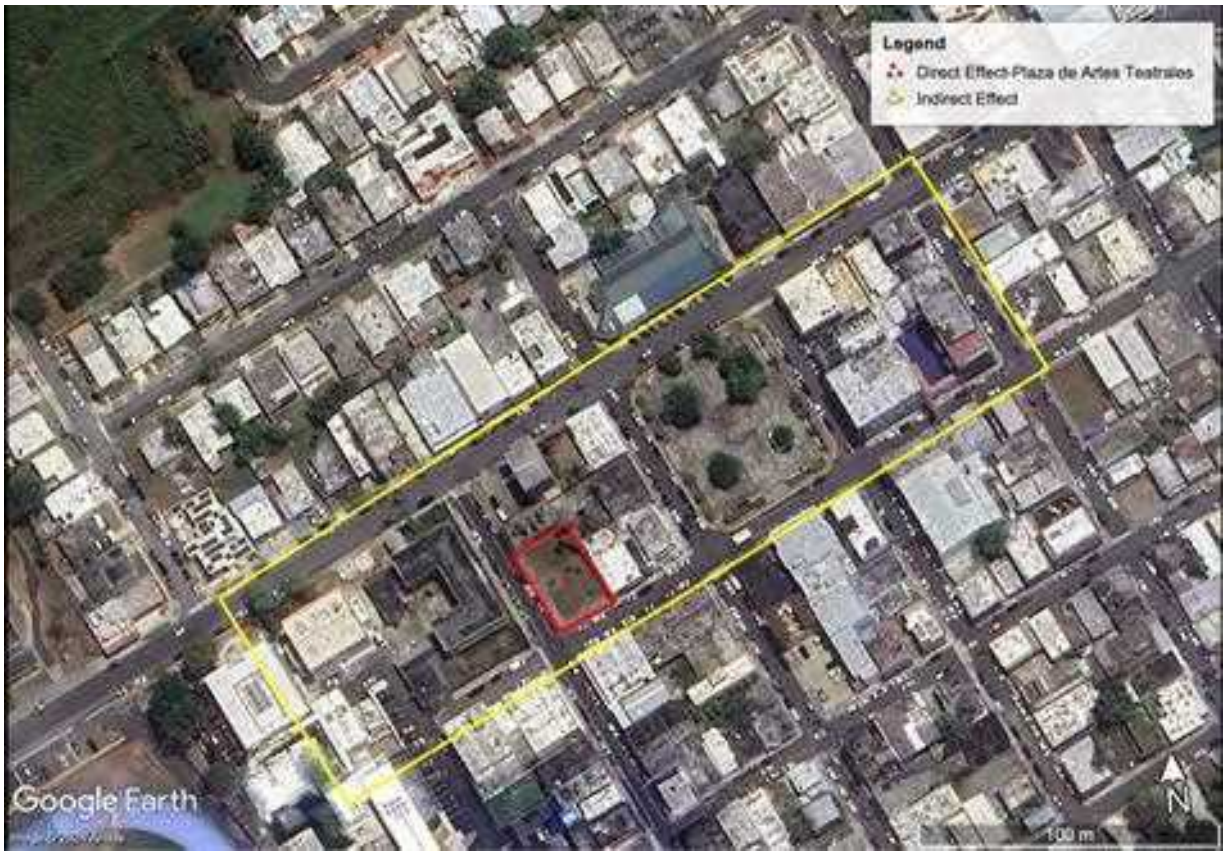
The Puerto Rico Department of Housing requests that the Puerto Rico SHPO concur that the following determination is appropriate for the undertaking (Choose One):

☐ No Historic Properties Affected
☒ **No Adverse Effect if the following recommendations are followed; Archaeological monitoring for all ground disturbing activities. A monitoring plan will be prepared and submitted to the PRSHPO for review and approval.**
☐ Adverse Effect

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:

Figure 21:**Project (Parcel) Location – Area of Potential Effect Map (Aerial)**



Google earth 2024

Figure 22:**Project (Parcel) Location - Aerial Map**



Google earth 2024

Figure23: **Project (Parcel) Location – 2018 USGS Topographic Map**



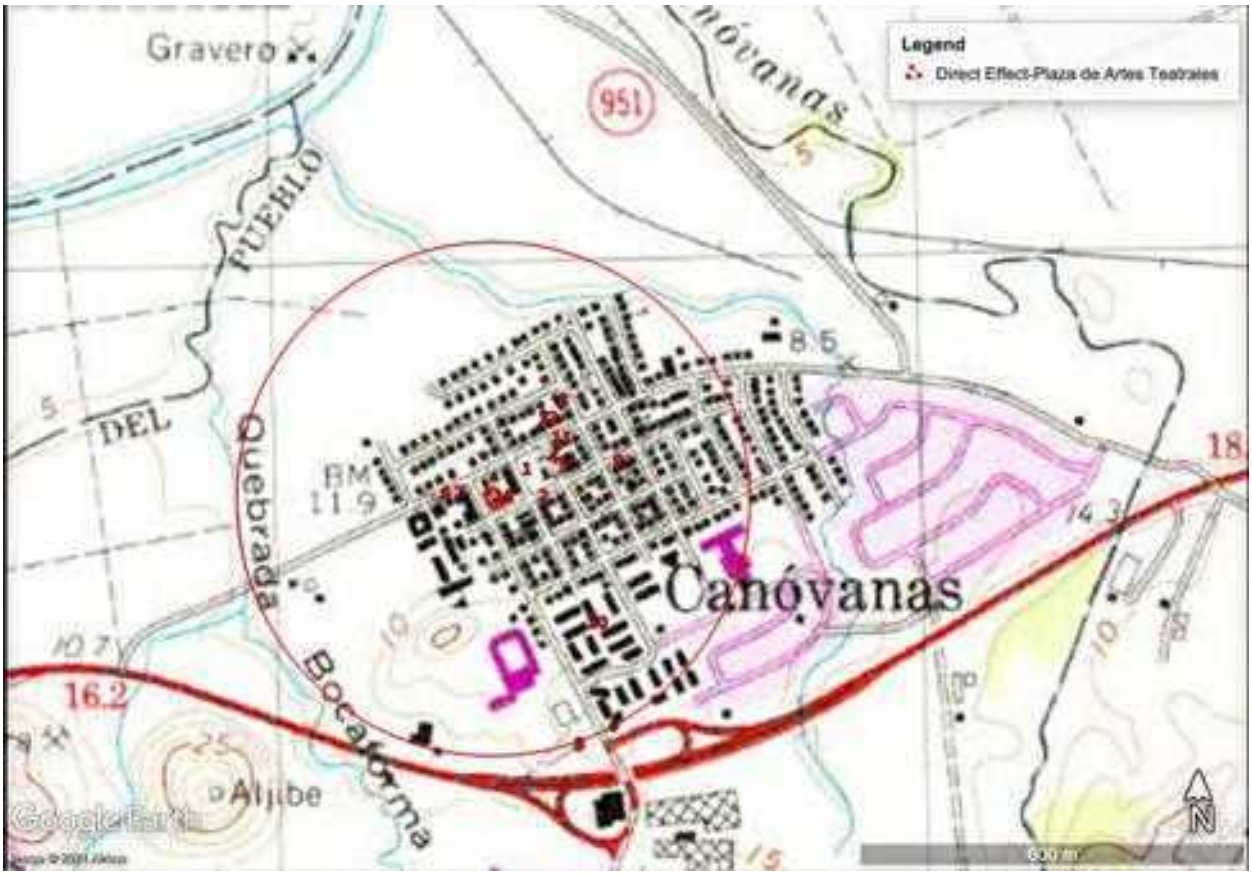
Google Earth/ Earth point 2024

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination	[redacted]
Subrecipient: Municipality of Canóvanas	
Case ID: PR-CRP-000315	**City:** Canóvanas
Project Name: Plaza de Artes Teatrales	

Figure 24:Project (Parcel) Location – Soils Map (Only if Archaeology Review is Required)



Figure 25:**Project (Parcel) Location with Previously Recorded Cultural Resources**



Google Earth/ Earth point 2024

1. Canóvanas Public Square - 18.379064, -65.900909
2. Canóvanas Town Hall - 18.378723, -65.90084
3. Municipal Cemetery - 18.375444, -65.900363
4. Nuestra Señora del Pilar Parish - 18.379159, -65.900606
5. Colegio Nuestra Señora del Pilar - 18.379133, -65.900548
6. Andrés Flores López School - 18.378564, -65.902364
7. Eugenio María de Hostos School - 18.378737, -65.901927
8. Fire Station - 18.379538, -65.901694
9. Seventh-day Adventist Church - 18.379188, -65.899707
10. Jesús T. Piñero Residential - 18.376732, -65.900078
11. Commercial three-story building (Parcel ID: 089-076-010-01) - 18.379394, -65.900713
12. Commercial two-story building (Parcel ID: 089-076-048-12) - 18.3797027, -65.9009200
13. Farmacia Olivero - 18.3788071, -65.901279

Figure 26:**Project (Parcel) Location with Previous Investigations - Aerial Map**



Google Earth 2024

1. Canóvanas Public Square - 18.379064, -65.900909
2. Canóvanas Town Hall - 18.378723, -65.90084
3. Municipal Cemetery - 18.375444, -65.900363
4. Nuestra Señora del Pilar Parish - 18.379159, -65.900606
5. Colegio Nuestra Señora del Pilar - 18.379133, -65.900548
6. Andrés Flores López School - 18.378564, -65.902364
7. Eugenio María de Hostos School - 18.378737, -65.901927
8. Fire Station - 18.379538, -65.901694
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10. Jesús T. Piñero Residential - 18.376732, -65.900078
11. Commercial three-story building (Parcel ID: 089-076-010-01) - 18.379394, -65.900713
12. Commercial two-story building (Parcel ID: 089-076-048-12) - 18.3797027, -65.9009200
13. Farmacia Olivero - 18.3788071, -65.901279

Figure 27: Location with Previously Recorded Cultural Resources



Figure 28:Project (Parcel) Location with Previously Recorded Cultural Resources USGS Topographic Map

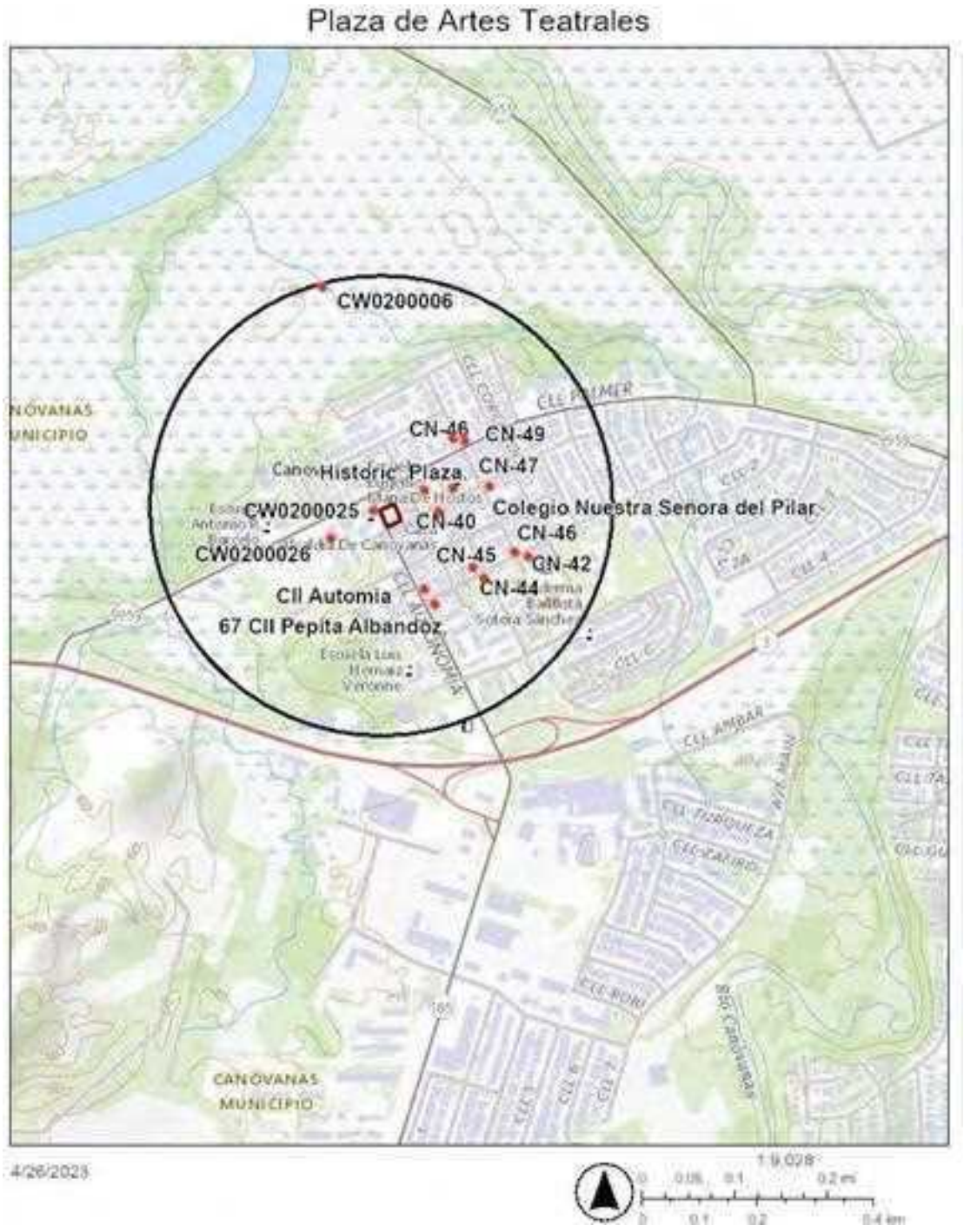


Figure 29:Proposed Layout Plan

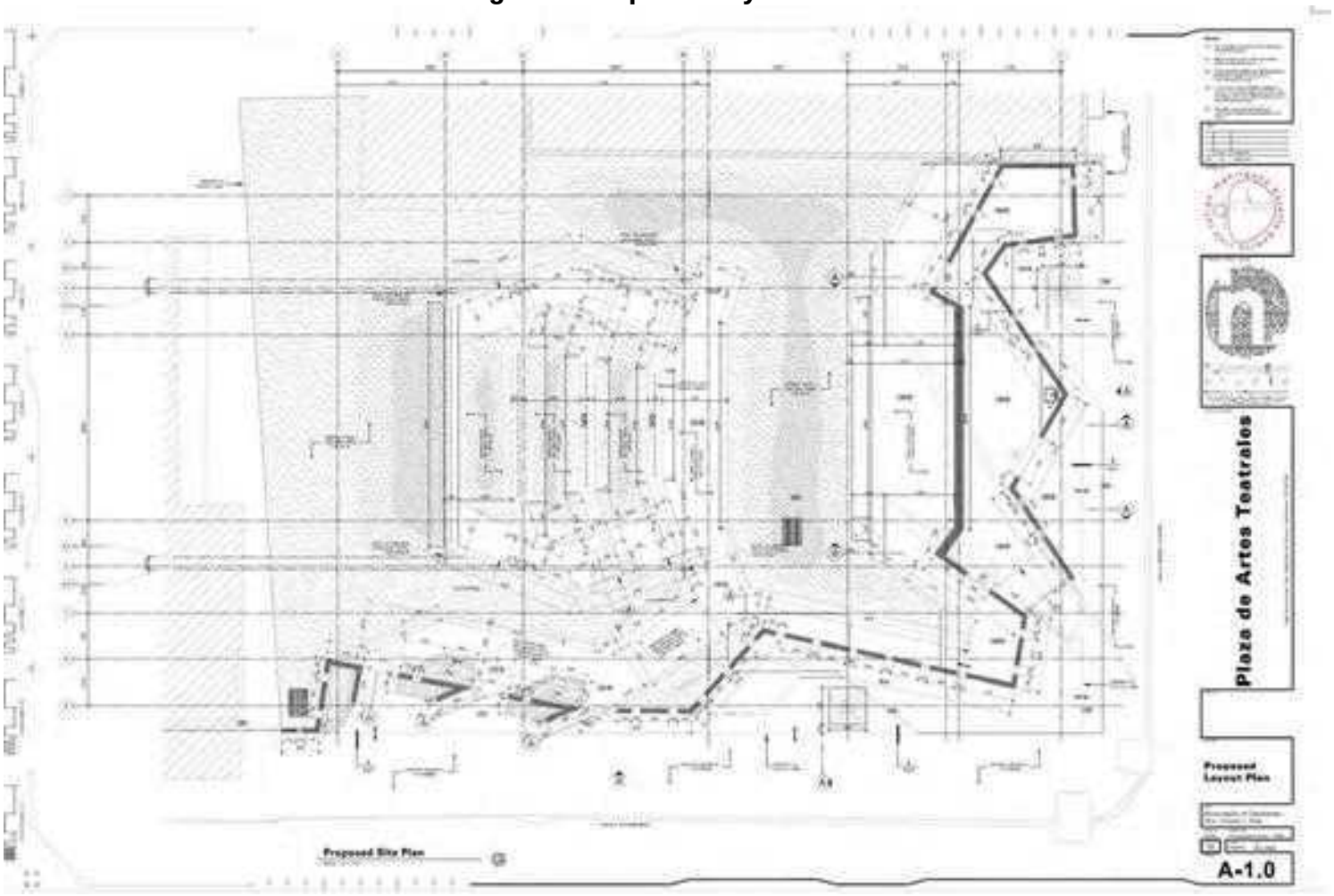


Figure 30:Reflected Ceiling Plan

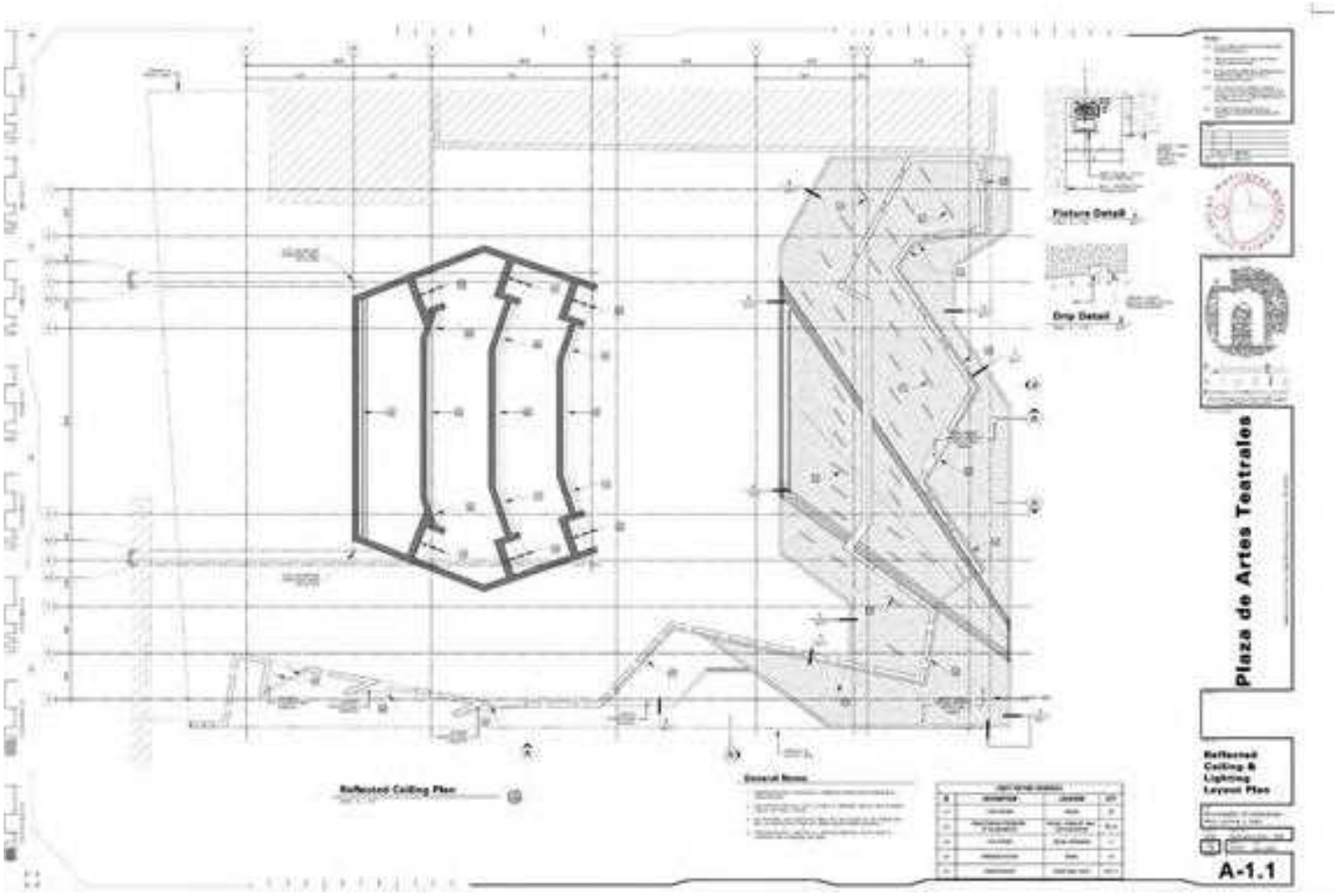
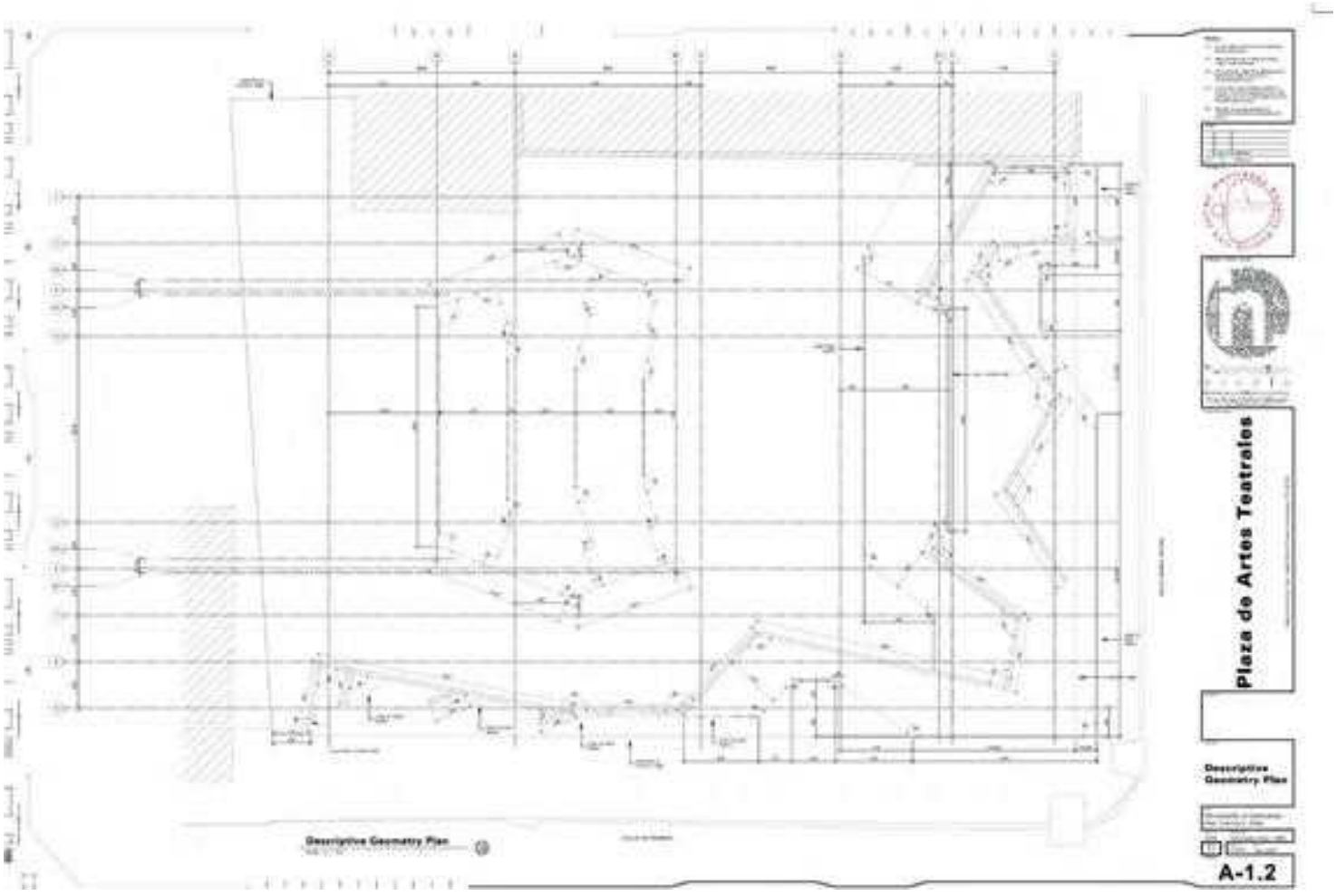


Figure 31:Descriptive Geometry plan



PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) **Section 106 NHPA Effect Determination**	[redacted]
Subrecipient: Municipality of Canóvanas	
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Project Name: Plaza de Artes Teatrales	

Figure 32:Elevations

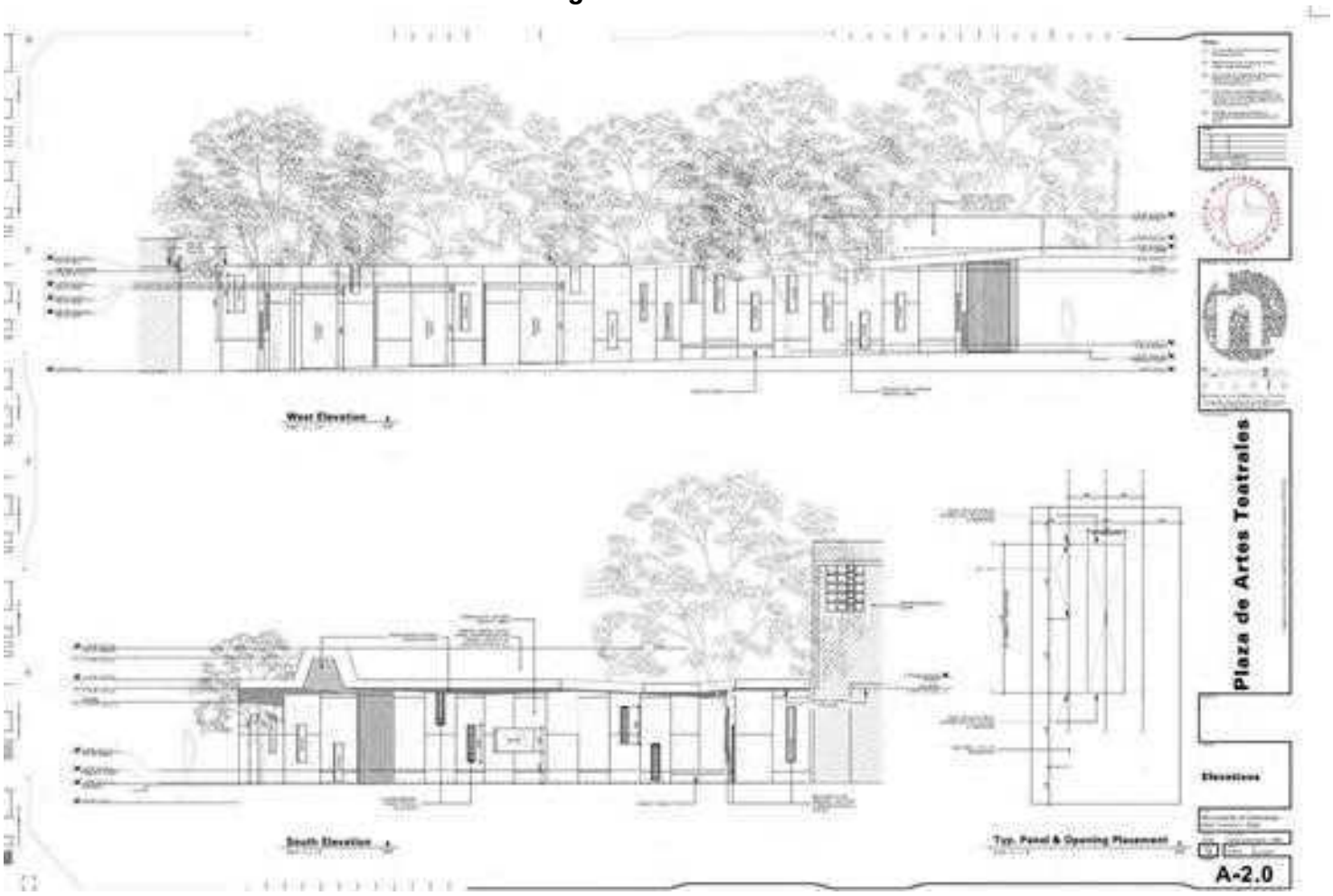


Figure 33: Sections

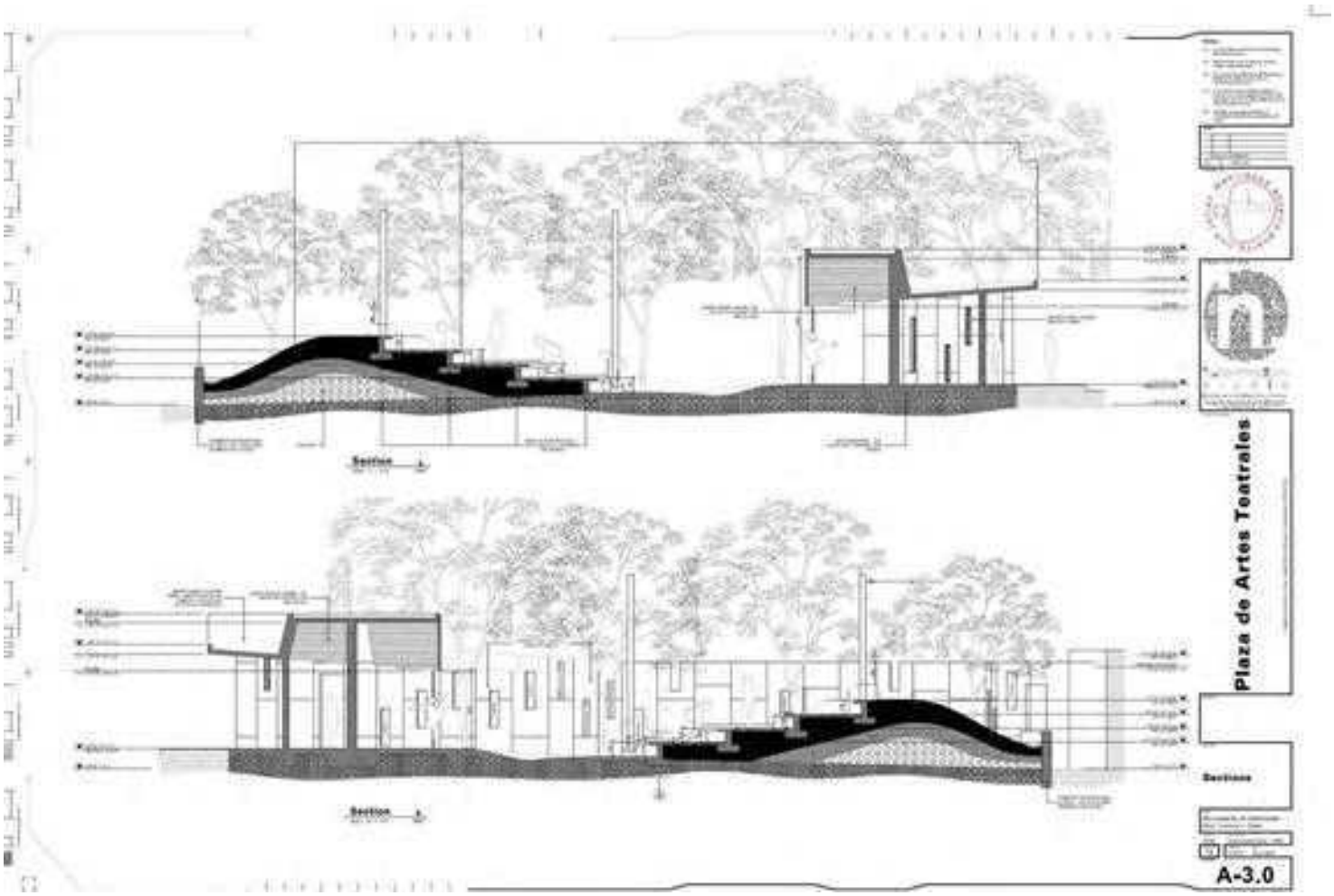


Figure 34. Sections

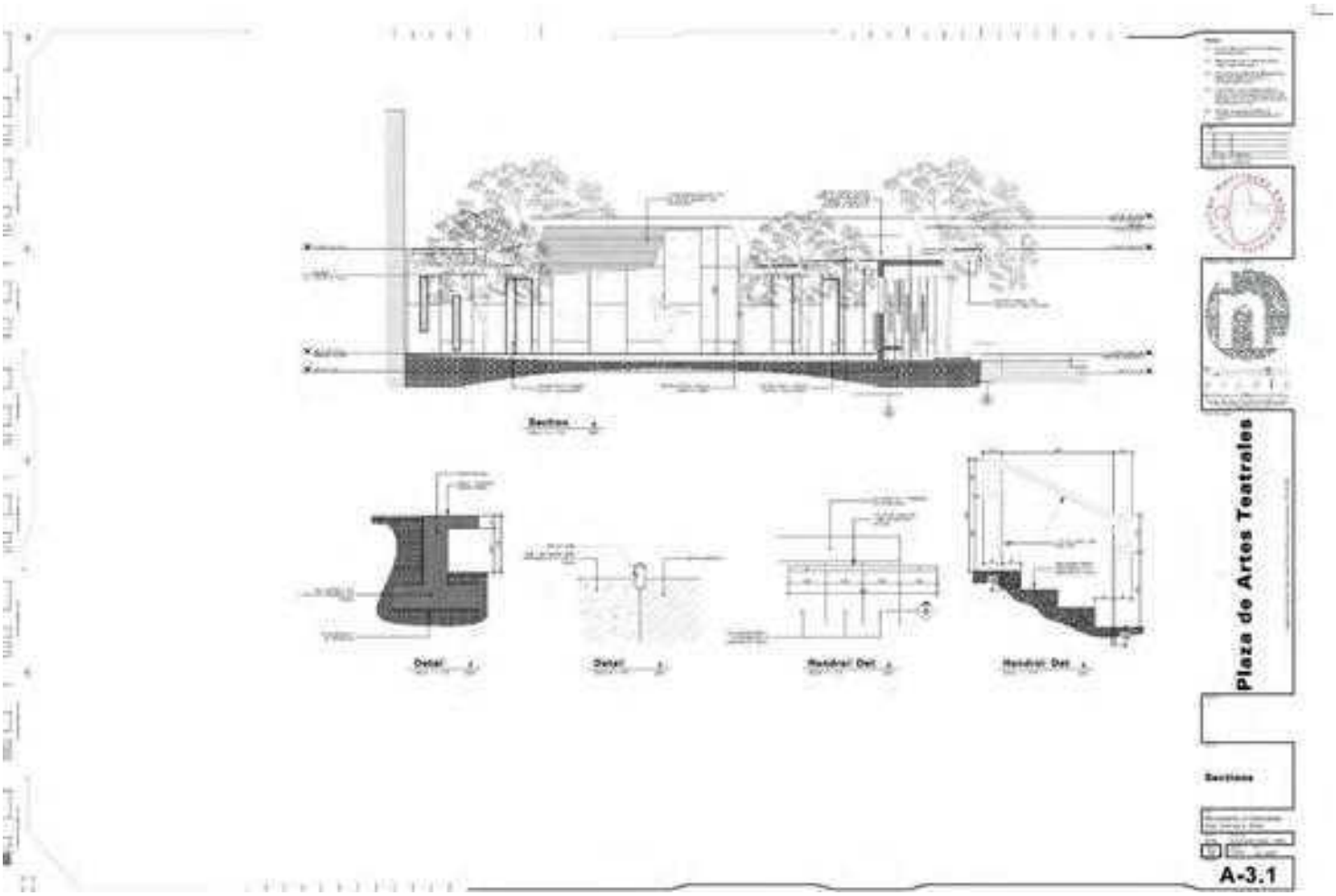


Figure 35: Sections

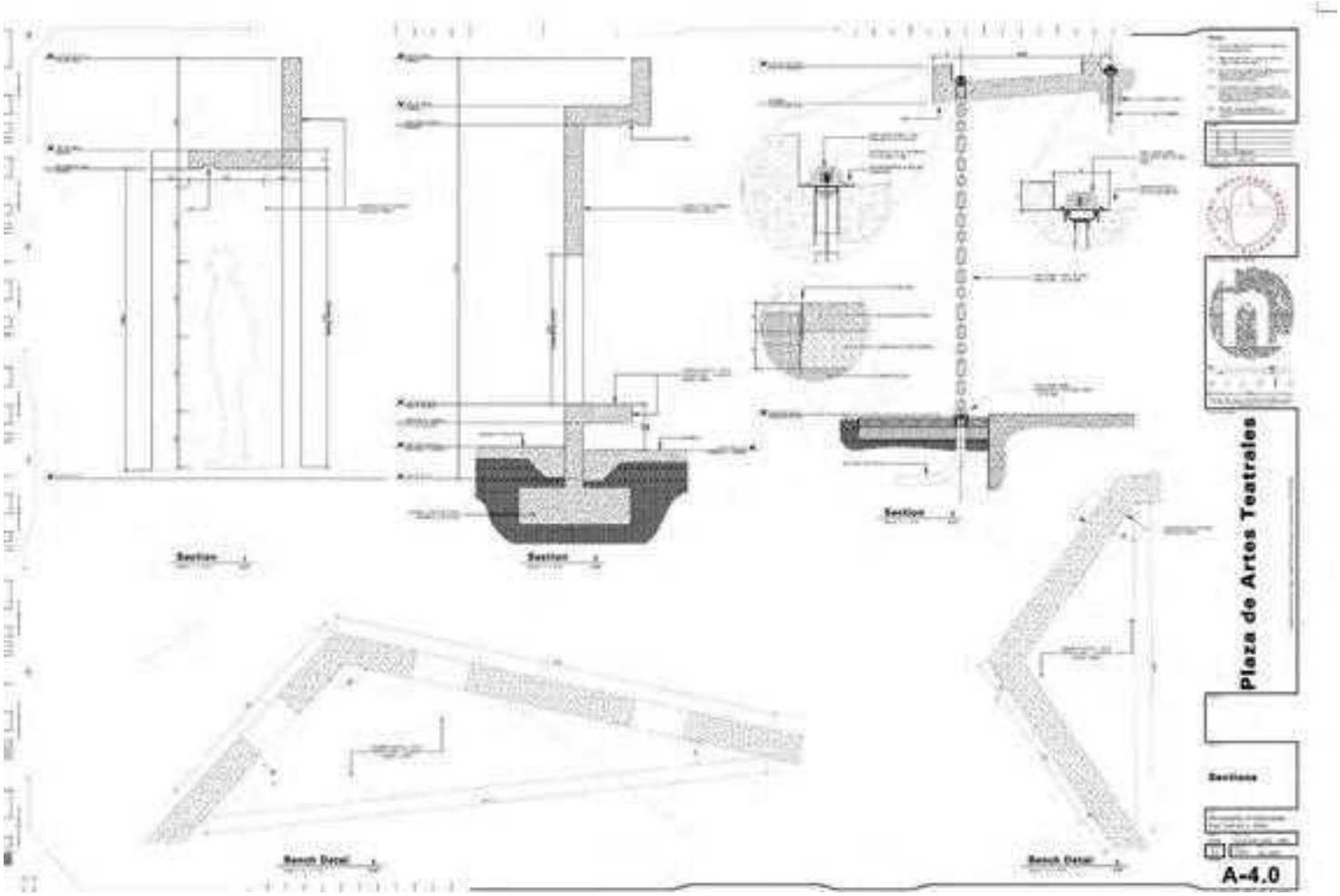


Figure 36: Door, Window Schedule, and Details

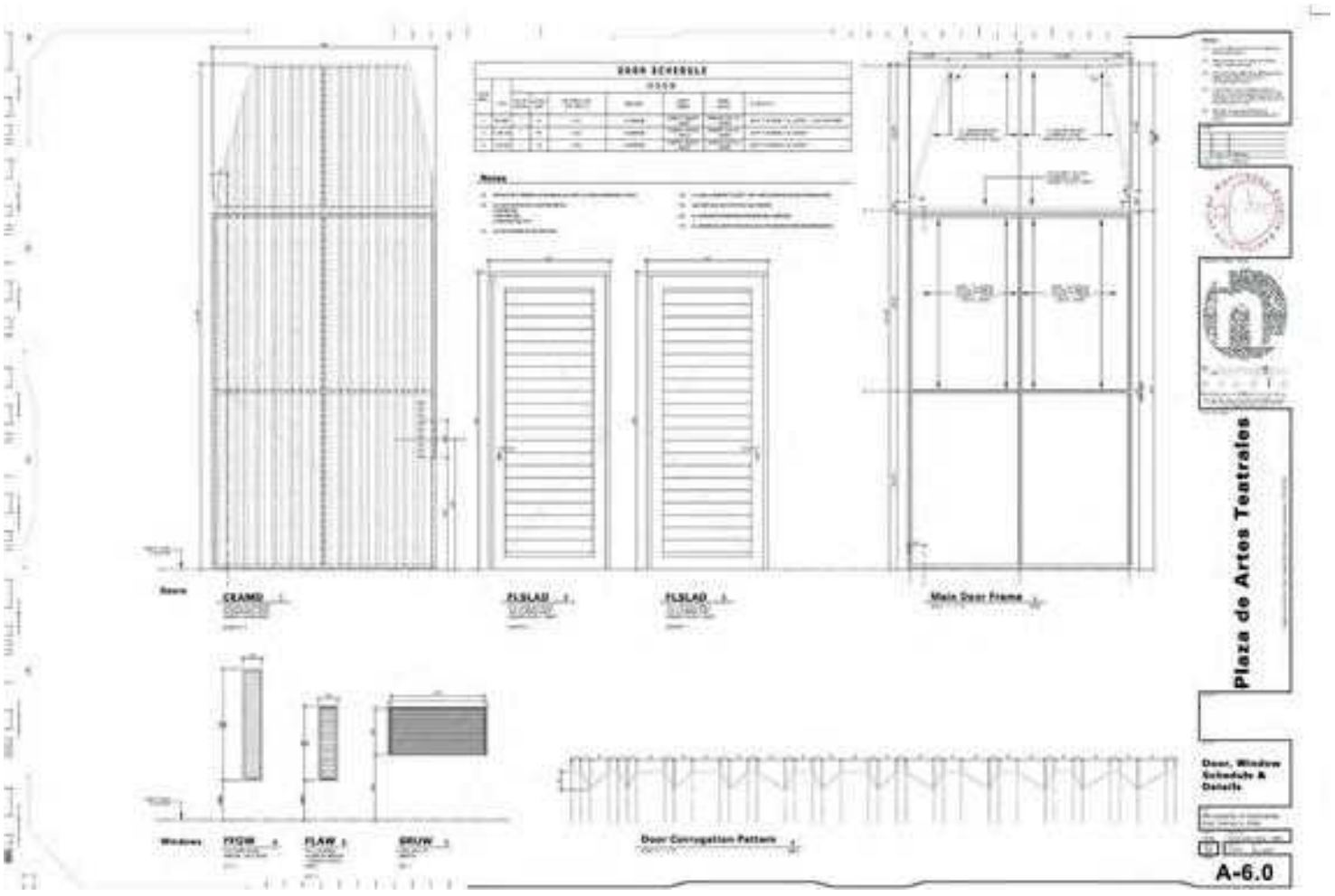


Figure 37: 3D View

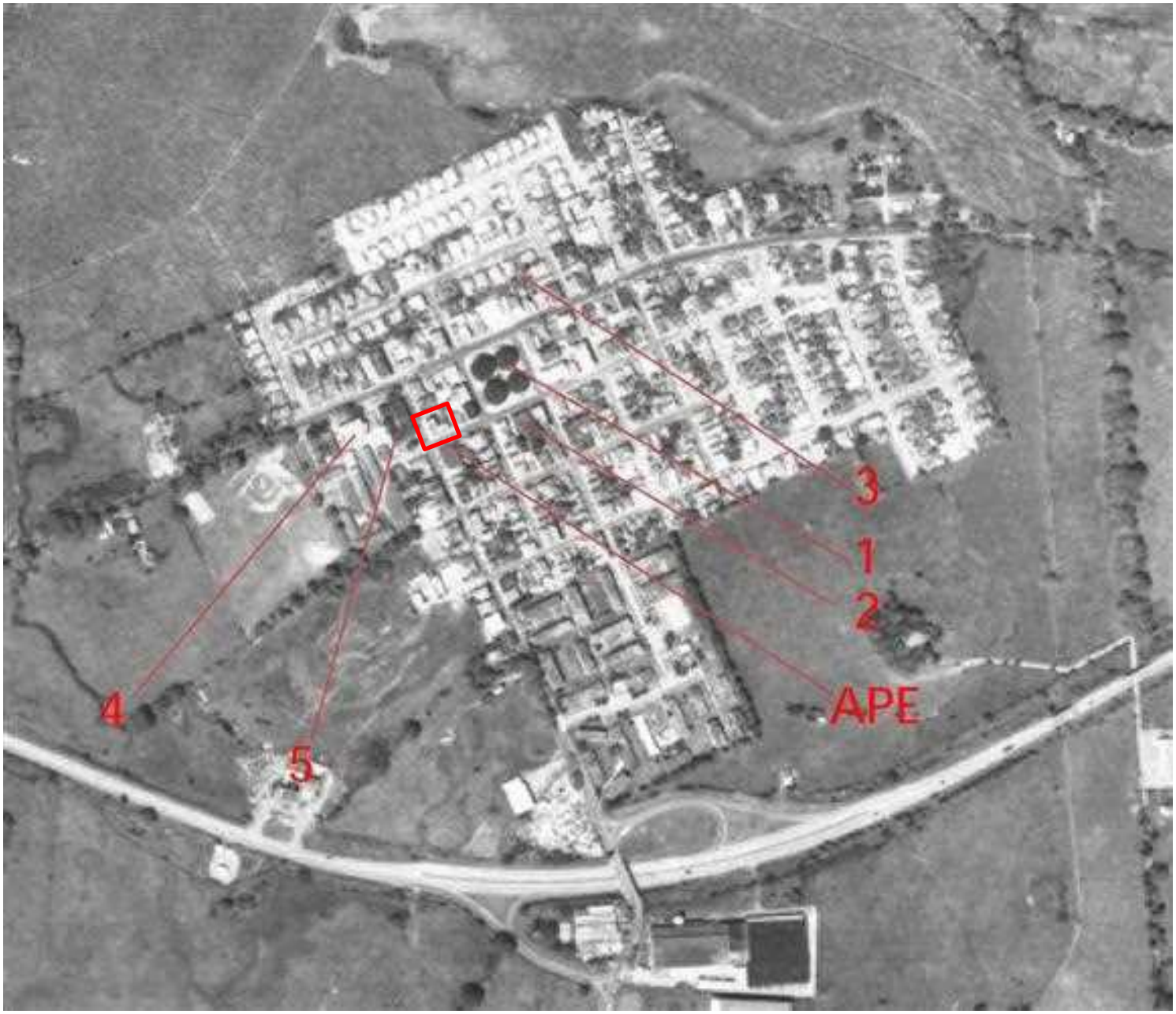


Figure 38: USGS 1930



1. Professor Juan Francisco Arroyo Salamán Public square it's 259 feet away from APE.
2. Canóvanas Town Hall it's 259 feet away from APE.
3. Andres Flores Lopez Public school it's 479 feet away from APE.
4. Eugenio Maria de Hostos Public school it's 148 feet away from APE.

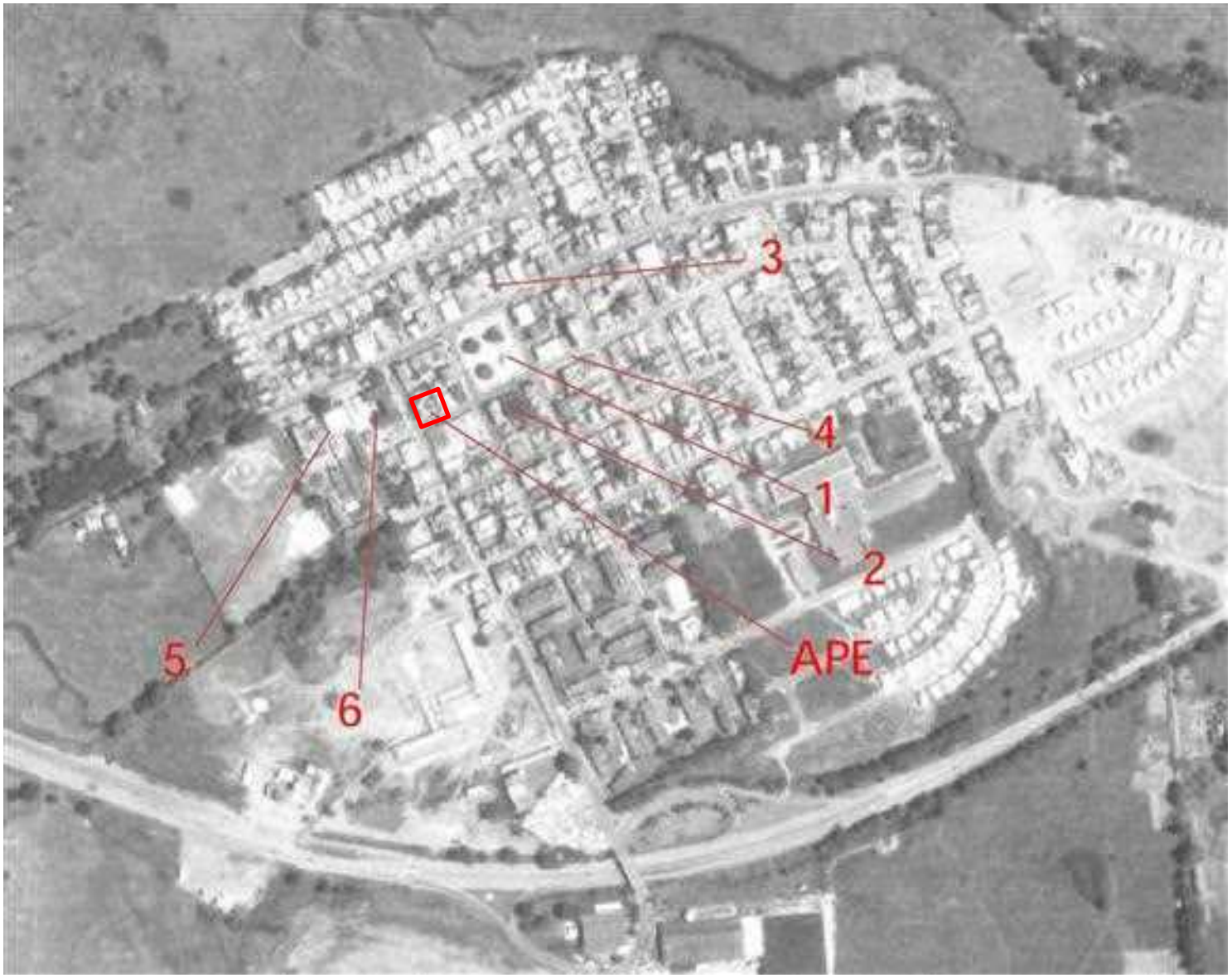
Figure 39: USGS 1964



1. Professor Juan Francisco Arroyo Salamán Public square it's 259 feet away from APE.
2. Canóvanas Town Hall it's 259 feet away from APE.
3. Canóvanas Fire Station it's 0.2 miles away from APE.
4. Andres Flores Lopez Public school it's 479 feet away from APE.
5. Eugenio Maria de Hostos Public school it's 148 feet away from APE.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination	[redacted]
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Figure 40: USGS 1971



1. Professor Juan Francisco Arroyo Salamán Public square it's 259 feet away from APE.
2. Canóvanas Town Hall it's 259 feet away from APE.
3. Canóvanas Fire Station it's 0.2 miles away from APE.
4. Colegio Nuestra Señora del Pilar it's 0.1 mile away from APE.
5. Andres Flores Lopez Public school it's 479 feet away from APE.
6. Eugenio Maria de Hostos Public school it's 148 feet away from APE.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination	[redacted]
Subrecipient: Municipality of Canóvanas	
Case ID: PR-CRP-000315	**City:** Canóvanas
Project Name: Plaza de Artes Teatrales	

Figure 41: USGS 2018



1. Professor Juan Francisco Arroyo Salamán Public square it's 259 feet away from APE.
2. Canóvanas Town Hall it's 259 feet away from APE.
3. Canóvanas Fire Station it's 0.2 miles away from APE.
4. Colegio Nuestra Señora del Pilar it's 0.1 mile away from APE.
5. Andres Flores Lopez Public school it's 479 feet away from APE.
6. Eugenio Maria de Hostos Public school it's 148 feet away from APE

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) **Section 106 NHPA Effect Determination**	[redacted] GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Subrecipient: Municipality of Canóvanas	
Case ID: PR-CRP-000315	**City:** Canóvanas
Project Name: Plaza de Artes Teatrales	



Photo #:1 **Description (include direction):**

Date: 04/09/23 APE for proposed project



Photo #:2 **Description (include direction):**

Date: 04/09/23 View from APE lot for proposed project looking west

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) **Section 106 NHPA Effect Determination**	[redacted]
Subrecipient: Municipality of Canóvanas	
Case ID: PR-CRP-000315	**City:** Canóvanas
Project Name: Plaza de Artes Teatrales	

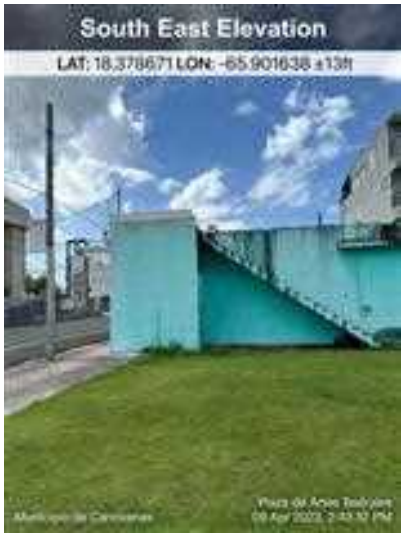


Photo :3 **Description (include direction):**

Date: 04/09/23 APE sidewalk looking North



Photo #:4 **Description (include direction):**

Date: 04/09/23 APE looking South

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) **Section 106 NHPA Effect Determination**	[redacted]
Subrecipient: Municipality of Canóvanas	
Case ID: PR-CRP-000315	**City:** Canóvanas
Project Name: Plaza de Artes Teatrales	



Photo #:4 **Description (include direction):**

Date: 04/09/23 Existing Condition, APE sidewalk looking north



Photo #:5 **Description (include direction):**

Date: 04/09/23 Existing Condition, Empty lot sidewalk looking east



Photo #:6 **Description (include direction):**

Date: 04/09/23 Existing Condition, Empty lot sidewalk looking east



Photo #:7 **Description (include direction):**

Date: 04/09/23 Urban context, Autonomia St. looking south



Photo #:8 **Description (include direction):**

Date: 04/09/23 Urban Context, Muñoz Rivera St. looking east



Photo #:9 **Description (include direction):**

Date: 04/09/23 Urban Context, Palmer St. looking east



Photo #:10 **Description (include direction):**

Date: 04/09/23 Urban Context, Muñoz Rivera St. looking east



Photo #:11 **Description (include direction):**

Date: 04/09/23 Urban Context, Adjacent Property located to the south of APE



Photo #:12 **Description (include direction):**

Date: 04/09/23 Urban Context, Adjacent Property located to the north of APE 4 Palmer St.



Photo #:13 **Description (include direction):**

Date: 04/09/23 Eligible Property, Andres Flores Lopez Public school 67 Palmer St.



Photo #:14 **Description (include direction):**

Date: 04/09/23 Eligible Property, Eugenio Maria de Hostos Public school Autonomia St. with Palmer St.



Photo #:15 **Description (include direction):**

Date: 04/09/23 Eligible Property, City Hall main Façade facing west, Luis Muñoz Rivera,St.



Photo #:16 **Description (include direction):**

Date: 04/09/23 Eligible Property, Canòvonas Fire Station main Façade facing East



Photo #:17 **Description (include direction):**

Date: 04/09/23 Eligible Property, Colegio Nuestra Señora del Pilar, main facade facing west, 3 Luis Hernaíz St. with Muñoz Rivera St.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) **Section 106 NHPA Effect Determination**	[redacted] GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Subrecipient: Municipality of Canóvanas	
Case ID: PR-CRP-000315	**City:** Canóvanas
Project Name: Plaza de Artes Teatrales	



Photo #:18 **Description (include direction):**

Date: 04/09/23 Professor Juan Francisco Arroyo Salamán Public square looking south

PR-CRP-000315

Plaza de Artes Teatrales Project

Canóvanas, Puerto Rico

90% Design Drawings



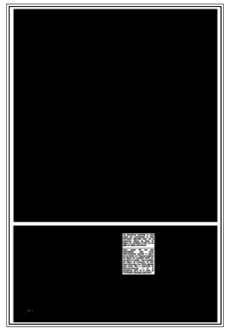
Project Image



Location Map



Zoning Map



Flood Map

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studio
landscape . architecture . product
6777 Av. Isla Verde, Edificio Isla Verde Mall - Suite 221
Carolina, PR. 00979 - Office Tel: +1 (787) 256-0830
e-mail: info@informationstudio.com

REGISTRY DATA

Cadastral No: 089-086-017-08

PROJECT NAME & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Muñoz Rivera
Canóvanas,PR 00729

Drawing List

Architecture

T-1 TITLE SHEET

L-1.0 SYMBOLS, LEGEND & ABBREVIATIONS
GN-1.0 GENERAL NOTES
AS-1 ROOF PLAN
ED-1.0 DEMOLITION PLAN & NOTES
AS-1.0 SITE PLAN
A-1.0 LAYOUT PLAN
A-1.1 REFLECTED CEILING PLAN
A-2.0 ELEVATIONS & DETAILS
A-2.1 SECTIONS & DETAILS
A-2.2 SECTIONS & DETAILS
A-2.3 WALL SECTION & DETAILS
A-3.0 DOOR & WINDOW SCHEDULE
F-1.0 -
F-1.1 -

Structural

S-1.0 FOUNDATION PLAN & DETAILS
S-2.0 STRUCTURAL ROOF PLAN & DETAILS
S-3.0 STRUCTRUAL NOTES & DETAILS

Electrical

E-1.0 ELECTRICAL FLOOR PLANS
E-1.1 ELECTRICAL NOTES, LEGEND & LOAD SCHEDULE

Plumbing

P-1.1 PLUMBING LAYOUT PLAN & NOTES

Consultants

LANDSCAPE
XXX
XXX

CIVIL
XXX

STRUCTURAL
JOG Engineering, Corp.
José O. González García, P.E.

MECHANICAL A/C
XXX

PLUMBING
Jorge Torres Scandali
Jorge Torres Scandali, P.E.

FIRE PROTECTION
XXX

ELECTRICAL
Requena & Assoc.
Alfonso Lázaro, P.E.

Specialty Consultants

VOICE/DATA COMMUNICATIONS
XXX

XXX
ELECTRONIC/AUDIOVISUAL
XXX
XXX

THEATER/ACOUSTICAL
XXX

XXX
SECURITY SYSTEM
XXX

XXX
INTERIORS
XXX

XXX
THEATRICS
XXX

XXX
ENVIRONMENTAL - HAZARDOUS MATERIAL
XXX

XXX
DIGITAL FABRICATION
XXX

XXX

Abbreviations

A-I		**J-Z**		**Acronyms**	
[E]	EXISTING	**JAN**	JANITOR	**SAD**	SEE ARCHITECTURAL DRAWINGS
[N]	NEW	**JT**	JOINT	**SSD**	SEE STRUCTURAL DRAWINGS
AB	ANCHOR BOLT	**LAM**	LAMINATE	**SCD**	SEE CIVIL DRAWINGS
ACT	ACCOUSTICAL CEILING TILE	**LP**	LOW POINT	**SMD**	SEE MECHANICAL DRAWINGS
ACCOUST	ACCOUSTICAL	**LAV**	LAVATORY	**SED**	SEE ELECTRICAL DRAWINGS
AFF	ABOVE FINISH FLOOR	**MAX**	MAXIMUM	**SLD**	SEE LANDSCAPE DRAWINGS
AFFE	ABOVE FINISH FLOOR ELEVATION	**MECH**	MECHANICAL	**SD & TD**	SEE DATA & TELECOMMUNICATION DRAWINGS
AFFL	ABOVE FINISH FLOOR LEVEL	**MH**	MANHOLE		
ALT	ALTERNATE	**MIN**	MINIMUM		
ALUM	ALUMINUM	**MO**	MASONRY OPENING		
APPROX	APPROXIMATE	**MISC**	MISCELLANEOUS		
ARCH	ARCHITECTURAL	**MTD**	MOUNTED		
ASPH	ASPHALT	**MTL**	METAL		
BB	BOTTOM OF BEAM	**NIC**	NOT IN CONTRACT		
BD	BOARD	**NO**	NUMBER		
BLDG	BUILDING	**NTS**	NOT TO SCALE		
BLKG	BLOCKING	**OC**	ON CENTER		
BM	BEAM	**OD**	OUTSIDE DIAMETER		
BOD	BOTTOM OF DECK	**OH**	OVERHEAD		
BOS	BOTTOM OF SLOPE	**OPNG**	OPENING		
BOT	BOTTOM	**OPP**	OPPOSITE		
BT	BOTTOM CURB	**PBC**	PLUMBING CONTRACTOR		
BS	BOTH SIDES	**PL**	PLATE		
BW	BOTTOM WALL	**PLAS LAM**	PLASTIC LAMINATE		
CB	CATCH BASIN	**PLYWD**	PLYWOOD		
CJ	CONTROL JOINT	**PNT**	PAINT		
CLG	CEILING	**PR**	PAIR		
CL	CENTER LINE	**PT**	POINT OF TANGENCY		
CLR	CLEAR	**RAD**	RADIUS		
CMU	CONCRETE MASONRY UNIT	**RD**	ROOF DRAIN		
COL	COLUMN	**REINF**	REINFORCED		
CONC	CONCRETE	**REQD**	REQUIRED		
CONT	CONTINUOUS	**RESIL**	RESILIENT		
CONTR	CONTRACTOR	**RM**	ROOM		
CPT	CARPET	**RO**	ROUGH OPENING		
CT	CERAMIC TILE	**RTU**	ROOF TOP UNIT		
CTR	CENTER	**SHTG**	SHEATHING		
DBL	DOUBLE	**SIM**	SIMILAR		
DET	DETAIL	**SPECS**	SPECIFICATIONS		
DIA	DIAMETER	**SQ**	SQUARE		
DN	DOWN	**SS**	STAINLESS STEEL		
DR	DOOR	**STA**	STATION		
DS	DOWN SPOUT	**STD**	STANDARD		
DWG	DRAWING	**STL**	STEEL		
EA	EACH	**STRUCT**	STRUCTURAL		
EF	EACH FACE	**SUSP CLG**	SUSPENDED CEILING		
EJ	EXPANSION JOINT	**TBD**	TO BE DETERMINED		
ELC	ELECTRICAL CONTRACTOR	**TBS**	TO BE SELECTED		
ELEC	ELECTRICAL	**TOB**	TOP OF BEAM		
ELEV	ELEVATION (FACADE)	**TOC**	TOP OF CURB		
EQ	EQUAL	**TOPA**	TOP OF PANEL		
EQUIP	EQUIPMENT	**TOP**	TOP OF PARAPET		
EXF	EXHAUST FAN	**TOS**	TOP OF STAIR		
EXP	EXPANSION	**TOW**	TOP OF WALL		
EXIST	EXISTING	**TYP**	TYPICAL		
EW	EACH WAY	**UNF**	UNFINISHED		
EWC	ELECTRIC WATER COOLER	**UON**	UNLESS OTHERWISE NOTED		
FD	FREE DISCHARGE (ROOF DRAIN)	**VCT**	VINYL COMPOSITE TILE		
FDN	FOUNDATION	**VIF**	VERIFY IN FIELD		
FFE	FINISH FLOOR ELEVATION	**W/**	WITH		
FH	FIRE HYDRANT	**WD**	WOOD		
FIN	FINISH (ED)				
FLR	FLOOR				
FP	FIREPROOF				
FTG	FOOTING				
FURR	FURRING				
GA	GAUGE				
GALV	GALVANIZED				
GCC	GENERAL CONSTRUCTION CONTRACTOR				
GL	GLASS				
GRD	GRADE				
GYP	GYPSUM				
HAC	HEATING & A/C CONTRACTOR				
HB	HOSE BIB				
HC	HOLLOW CORE				
HDWD	HARDWOOD				
HM	HOLLOW METAL				
HORIZ	HORIZONTAL				
HP	HIGHT POINT				
HT	HEIGHT				
ID	INSIDE DIAMETER				
IDC	INSIDE DIMENSION CLEAR				
INSUL	INSULATION				
INT	INTERIOR				

Symbols

NORTH ARROW

ELEVATION DESIGNATION / REFERENCED DRAWING — A / A-2.1 — ELEVATION - EXTERIOR

SECTION DESIGNATION / REFERENCED DRAWING — A / A-2.1 — GENERAL SECTION

PARTIAL OR WALL SECTION DESIGNATION / REFERENCED DRAWING — B / A-2.1 — PARTIAL OR WALL SECTION

1 / A-2.1 / 4 / 3 / 2 — ELEVATION - INTERIOR

DETAIL DESIGNATION / REFERENCED DRAWING — 1 / A-2.6 — DETAIL

DOOR DESIGNATION # / HARDWARE DESIGNATION # — 2 / 1 — DOOR DESIGNATION

A — WINDOW DESIGNATION

1 — NOTE INDICATOR

A1 A1 / C1 D1 / D1 F1 / F1 W1 — DEMOLITION NOTE INDICATOR
A. ACCESSORIES/MISCELLANEOUS
C. CEILING
D. DOORS/FRAMES
F. FLOOR
M. MECHANICAL/PLUMBING
P. PARTITIONS
W. WINDOWS

1 — REVISION INDICATOR

ROOM NAME — SPACE IDENTIFICATION NAME

23 — SPACE DESIGNATION #

REF. CLG. WALL: CT | W4 / FT | B4 — FINISHES KEY

1 — FIXTURE/EQUIPMENT IDENTIFIER

+14'-6" A.F.F.E. — ELEVATION - AT FINISH FLOOR LEVEL

+14'-0" A.F.F.E. — ELEVATION - AT CEILING LEVEL

1 / A-2.6 — DETAIL SECTION

CHANGE IN FLOOR FINISH

CHANGE OF FLOOR FINISH WHERE THRESHOLD OR SADDLE OCCURS

XX — STRUCTURAL AXIS

CHANGE IN FLOOR LEVEL

HIDDEN OUTLINE (SHOWING CONDITION BELOW, ABOVE, BEHIND OR BEYOND)

MATCH LINE

12% — SLOPE

130'-0" — EXISTING SPOT ELEVATION

130'-0" — PROPOSED SPOT ELEVATION

6" — DIMENSION - PRIMARY - TXT HT. 3/32" - & OFFSET 1/4"

6" — DIMENSION - SECONDARY - TXT HT. 3/64" - & OFFSET 1/2"

ANNOTATION ARROW

ANNOTATION DOT

℄ — CENTER LINE

BREAK LINE

Floor Plan A

SCALE : 1/128" = 1'-0" — A-2.1

BID SET February 25, 2017
NOT FOR CONSTRUCTION

Legend

- EXISTING CONSTRUCTION TO REMAIN
- WALLS TO BE DEMOLISHED
- STRUCTURAL CONCRETE WALL
- CONCRETE BLOCK WALL
- GWB. PARTITION
- ELEMENTS TO BE REMOVED
- PROPERTY LINE

Notes:

1.0 Do not scale dimensions from drawings. Dimensions govern.

2.0 All dimensions are in feet and inches, unless noted otherwise.

3.0 The contractor shall check all dimensions, levels and angles on site prior to commencing any work.

4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.

5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS

REV. #	DATE	ISSUING REASON
1	05.ix.17	Explanation

PROFESSIONAL SEAL

CERTIFICACIÓN + COPYRIGHTS + FIRM NAME

JOSUÉ MANRIQUE ARTILES LICENCIA
TÍTULO, CERTIFICO QUE SOY EL PROFESIONAL
QUE DISEÑÓ, CONFECCIONÓ Y PREPARÓ ESTOS
PLANOS Y LAS ESPECIFICACIONES COMPLEMENTA-
RIAMENTE CERTIFICO QUE ENTIENDO QUE DICHOS
PLANOS Y ESPECIFICACIONES CUMPLEN CABALMENTE
CON LAS DISPOSICIONES APLICABLES DE CONSTRUC-
CIÓN VIGENTES DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O COMPROBADORES
QUE TENGAN JURISDICCIÓN SOBRE LA PREPARACIÓN DE
PLANOS Y ESPECIFICA-
CIONES CABALMENTE
DISPUESTOS EN LA LEY
NÚMERO 173 APROBADA
ANTERIORMENTE POR LA LEGIS-
LATURA DE PUERTO RICO
BAJO EL NÚMERO DEL 6 DE
AGOSTO DE 1988, ENMENDADA
DE LOS ASUNTOS QUE SE
COMENTAN O POR ASEGU-
RADOS EMPLEADOS O POR
CONTENTOS. ME HAGO
RESPONSABLE DE LOS DAÑOS
QUE PUEDAN CAUSAR A
MI/COMPAÑÍA O TERCEROS
POR NO CUMPLIR CON
ESTA DISPOSICIÓN.

FIRMA
NOMBRE
NÚMERO DE COLEGIADO

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e-mail: info@hformationstudio.com

PROJECT TILE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

DWG. TITLE

Symbols, Legend, Abbreviations & Acronyms

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT # xx-xx
PROJECT PHASE Advanced Print - 90%
SHEET # 2
DRAWN BY krs
DATE 16.xii.2022
DISCIPLINE

L-1.0

General Notes

1.0 THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS ARE REQUIRED TO CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AT SITE AND NOTIFY, THE PROJECT ARCHITECT OR CONSTRUCTION REPRESENTATIVE OF ANY AND ALL DISCREPANCIES AND LIST ANY WORK NOT YET COMPLETED BEFORE STARTING WORK.

2.0 ALL WORK ON THIS PROJECT SHALL BE IN ACCORDANCE WITH ALL CODES, SUB-CODES AND BUILDING DEPARTMENTS HAVING JURISDICTION. GENERAL CONTRACTOR TO CONTACT LOCAL BUILDING OFFICIALS FOR SPECIFIC REQUIREMENTS FOR THIS PROJECT.

3.0 THE GENERAL CONTRACTOR AND THE SUBCONTRACTORS FOR THE GENERAL CONTRACTOR SHALL PAY FOR AND OBTAIN ALL PERMITS REQUIRED FOR THE WORK NOTED ON THESE PLANS AND SPECIFICATIONS.

4.0 BOTH THE OWNER'S GENERAL CONTRACTORS AND ALL SUBCONTRACTORS WORKING ON THIS PROJECT ARE RESPONSIBLE FOR CONTACTING THE PUBLIC UTILITY COMPANIES SUPPLYING UTILITIES TO THE AREA WHERE THE PROJECT IS LOCATED, IN ORDER TO VERIFY LOCATIONS OF UTILITIES, UNDERGROUND OR OVERHEAD, AND SECURE THE PROPER PROCEDURES WHILE WORKING ADJACENT TO, ABOVE OR NEAR SUCH UTILITIES TO AVOID ANY PROBLEMS WITH EXPLOSIONS, DISCONNECTIONS, REMOVALS, ETC.

5.0 THE GENERAL CONTRACTOR SHALL LAY OUT WORK AS SPECIFIED IN THE DRAWINGS AND SHALL BE HELD RESPONSIBLE FOR PROPER ESTABLISHMENT AND MAINTENANCE OF ALL LINES AND DIMENSIONS. BEFORE DOING ANY WORK, THIS GENERAL CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS AT THE SITE AND NOTIFY THE ARCHITECT. THE OWNER AND THE OWNER'S CONSTRUCTION REPRESENTATIVE OF ANY DISCREPANCIES VERBALLY AND THEN IN WRITING.

6.0 ALL CONTRACTORS SHALL BE BONDABLE, LICENSED CONTRACTORS POSSESSING GOOD LABOR RELATIONS AND MUST BE CAPABLE OF QUALITY WORKMANSHIP, IN HARMONY WITH OTHER CONTRACTORS WORKING ON THE PROJECT. THE OWNER RESERVES THE RIGHT OF THE NAMES OF ALL POTENTIAL SUBCONTRACTORS PRIOR TO AWARDING BIDS.

7.0 PRIOR TO COMMENCEMENT OF ANY WORK, THE GENERAL CONTRACTOR SHALL CONTACT AND MEET WITH OWNER AND PROJECT MANAGEMENT REPRESENTATIVE FOR A PRE-CONSTRUCTION MEETING, AT WHICH TIME THE GENERAL CONTRACTOR WILL PRESENT TO ALL PARTIES A LIST OF NAMES, ADDRESSES, BUSINESS AND HOME TELEPHONE NUMBERS OF THE SUBCONTRACTORS FOR THIS PROJECT.

8.0 THE GENERAL CONTRACTOR, ALL SUBCONTRACTORS OR OUTSIDE SERVICES COMPLETING WORK ON THIS PROJECT SHALL COMPLY WITH ALL THE PROVISIONS OF O.S.H.A. (OCCUPATIONAL SAFETY AND HEALTH ACT).

9.0 THE GENERAL CONTRACTOR SHALL HAVE AT ALL TIMES, AT THE PREMISES, APPROVED WORKING DRAWINGS (IF APPLICABLE) AND BUILDING DEPARTMENT APPROVED PERMIT DRAWINGS.

10.0 ALL CLEARANCES OF PIPES AND DUCT WORK INSTALLED BY THE GENERAL CONTRACTOR OR SUBCONTRACTORS MUST BE MAINTAINED FOR ADEQUATE HEIGHTS REQUIRED FOR CEILING SYSTEM AND LIGHT FIXTURES.

11.0 THE CONTRACTORS AND SUBCONTRACTORS PARTICIPATING IN THE PERFORMANCE OF WORK SHALL REMOVE AND DISPOSE OF, AT LEAST ONCE A WEEK AND MORE FREQUENTLY AS MAY DIRECT, ALL DEBRIS AND RUBBISH CAUSED BY OR RESULTING FROM THE PERFORMANCE OF WORK AND, UPON COMPLETION THEREOF, REMOVE ALL DEBRIS, RUBBISH, SURPLUS MATERIALS, DEBRIS AND RUBBISH OF WHATEVER KIND REMAINING IN THE WORK AREA WHICH HAD BEEN BROUGHT IN OR CREATED BY THE CONTRACTOR AND SUBCONTRACTORS IN THE PERFORMANCE OF WORK. THIS CONTRACTOR MUST MAINTAIN A CLEAR PATH OF EGRESS FROM THE SITE FREE FROM TRASH AND RUBBISH AT ALL TIMES. ALL REMOVAL OF CONSTRUCTION DEBRIS TO AN APPROVED DUMPING SITE TO BE INCLUDED IN THE GENERAL CONTRACTOR'S WORK.

12.0 ALL FINISH AND EXPOSED WOOD SHALL RECEIVE A FIRE RETARDANT COATING OR TREATMENT IF REQUIRED BY CODE OR THE LOCAL FIRE MARSHALL. NO WOOD OR COMBUSTIBLE MATERIAL SHALL BE USED ABOVE THE SUSPENDED CEILING UNLESS NON-COMBUSTIBLE LUMBER IS USED AND IS SPECIFICALLY ALLOWED BY U.B.C. LOCAL BUILDING CODES, THE FIRE MARSHALL AND ALL AGENCIES HAVING JURISDICTION. IF FIRE TREATED WOOD IS REQUIRED FOR FIXTURING ITEMS, THE GENERAL CONTRACTOR IS RESPONSIBLE FOR EXECUTING THIS WORK AS PER BUILDING OFFICIALS' REQUIREMENTS. THE WOOD MUST BEAR THE U.L. APPROVAL AND MILL STAMP INDICATING IT WAS PROPERLY TREATED.

13.0 ALL EQUIPMENT, MILLWORK AND FIXTURES SUPPLIED BY OWNER TO BE UNLOADED, ASSEMBLED AND INSTALLED BY THE GENERAL CONTRACTOR UNLESS OTHERWISE DIRECTED BY THE REPRESENTATIVE.

14.0 ANY SUBSTITUTIONS OF FINISH MATERIALS MUST BE APPROVED BY THE ARCHITECT IN WRITING. GENERAL CONTRACTOR IS RESPONSIBLE FOR SUBMITTING TWO (2) SAMPLES OF EACH SUBSTITUTION.

15.0 EACH CONTRACTOR AND SUBCONTRACTOR PERFORMING WORK SHALL MAINTAIN CONTINUOUS PROTECTION OF ADJACENT PREMISES IN SUCH MANNER AS TO PREVENT ANY DAMAGE TO ADJACENT PROPERTY AND IMPROVEMENTS BY REASON OF THE PERFORMANCE OF WORK. EACH CONTRACTOR AND SUBCONTRACTOR SHALL PROPERLY PROTECT WORK WITH LIGHTS, GUARD RAILS, AND BARRICADES AND SECURE ALL PARTS THEREOF AGAINST STORM AND ACCIDENT.

16.0 WHEN BIDDING THIS PROJECT, EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE PRIOR TO BIDDING AND VERIFYING EXISTING CONDITIONS AS REFLECTED IN THESE CONTRACT DOCUMENTS. ANY EXTRA WORK REQUIRED BUT NOT INCLUDED IN THE DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY.

17.0 GENERAL CONTRACTORS AND ALL SUBCONTRACTORS ARE REQUIRED TO FURNISH THE MINIMUM COVERAGE AND LIMITS OF LIABILITY DESCRIBED ON THE CONTRACT DOCUMENTS.

18.0 GENERAL CONTRACTORS ARE REQUIRED TO FAMILIARIZE ALL PERSONS AND SUBCONTRACTORS WORKING ON THIS PROJECT WITH THESE GENERAL NOTES AND THE CONTRACT DOCUMENTS NOTED IN THESE DRAWINGS. GENERAL CONTRACTORS SHALL BE RESPONSIBLE FOR FULLY ACQUAINTING THEMSELVES WITH THE CONTENT AND SCOPE OF THESE SPECIFICATIONS, AND SPECIAL ATTENTION SHOULD BE GIVEN THE SPECIFICATIONS THROUGHOUT THE SPAN OF THIS PROJECT BY THESE GENERAL CONTRACTORS, SUPERVISORS AND SUBCONTRACTORS, AS THE STANDARD ESTABLISHED HEREIN SHALL BE APPLIED, WITH EMPHASIS TO ALL WORK. WORK DECLARED UNACCEPTABLE BY THE OWNER/ARCHITECT SHALL BE CORRECTED IN A MANNER AND TO A DEGREE OF QUALITY AS ACCEPTABLE BY THE OWNER.

19.0 THE GENERAL CONDITIONS OF THE "CONTRACT FOR CONSTRUCTION" DOCUMENT A-201, ISSUED BY THE AMERICAN INSTITUTE OF ARCHITECTS, 1981 EDITION, RELATES TO THE WORK OF THIS PROJECT AND IS HEREBY MADE A PART OF THESE DRAWINGS AS THOUGH FULLY CONTAINED IN THESE DRAWINGS. THE GENERAL CONTRACTORS AND ALL SUBCONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY NUMBER OF COPIES OF DOCUMENT A-201, TO ACQUAINT HIMSELF WITH THE ARTICLES CONTAINED THEREIN AND TO REVIEW WITH ALL SUBCONTRACTORS, SUPPLIERS AND ANY OTHER PARTIES TO THE CONTRACT OR INDIVIDUALS OR AGENCIES ENGAGED ON THE WORK AS TO ITS CONTENTS.

20.0 ONLY THE CLIENT'S REPRESENTATIVE, WITHOUT INVALIDATING THE CONTRACT, MAY ORDER EXTRA WORK, ALTER, ADD TO, OR DEDUCT FROM THE CONTRACT WORK. THE CONTRACT SUM SHALL BE ADJUSTED ACCORDINGLY, AND SUCH COSTS SHALL BE COMPETITIVE WITH LOCAL CONSTRUCTION COSTS.

21.0 AT THE TIME OF FINAL SUBMITTAL FOR ALL COSTS BY THE GENERAL CONTRACTOR TO THE OWNER, INCLUDING BASE BID, EXTRAS AND CREDITS, THE OWNER'S GENERAL CONTRACTOR'S SUBCONTRACTORS SHALL FURNISH TO THE OWNER A WRITTEN GUARANTEE STIPULATING THAT, AT NO ADDITIONAL COST TO THE OWNER CONTRACTOR, ANY DEFECTIVE WORK OR MATERIALS SHALL BE REPAIRED OR REPLACED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE OF WORK, UNLESS OTHERWISE NOTED.

22.0 NO EXTRAS FOR COSTS CAN BE AUTHORIZED UNLESS APPROVED IN WRITING BY THE ARCHITECT OR THE OWNER'S CONSTRUCTION REPRESENTATIVE, ANY ISSUES OF CREDITS TO BE CALCULATED BASED ON COMPETITIVE RATES AND EQUIPMENT'S COSTS APPROVED BY THE ARCHITECT.

23.0 FOR CLARIFICATION PURPOSES, CLIENT AND OWNER ARE THE SAME PARTY. GENERAL CONTRACTOR WILL BE REQUIRED TO HANDLE ALL WORK IN THESE DOCUMENTS UNLESS SPECIFICALLY NOTED OTHERWISE.

24.0 THE CONTRACTORS ARE REQUIRED TO HAVE ALL SUBCONTRACTORS REVIEW THESE ABOVE NOTES PRIOR TO BIDDING AND TO FOLLOW-UP AND EXECUTE AS WRITTEN.

25.0 THE DESIGN CONCEPT LEAVES ZERO OR MINIMAL CLEARANCE FOR ERROR IN REGARD TO LAYOUT. "HOLD DIMENSION" INDICATIONS ARE TO BE ADHERED TO AND THE CONTRACTOR IS TOTALLY RESPONSIBLE FOR ERROR OR OMISSION. ANY QUESTIONS RELATING TO DIMENSIONING ARE TO BE ADDRESSED TO THE ARCHITECT ONLY.

26.0 ALL PAYMENTS MADE TO THE GENERAL CONTRACTOR FOR THIS PROJECT ARE TO BE ALLOCATED FOR THIS PROJECT ONLY. FOR PAYMENTS TO SUBCONTRACTORS, MATERIAL SUPPLIERS AND AGENTS AUTHORIZED BY THE SPECIFIC CONTRACTOR TO PERFORM WORK OR SUPPLY MATERIALS TO THIS PROJECT ONLY. THE GENERAL CONTRACTORS ARE REQUIRED TO SUBMIT PARTIAL WAIVERS OF LIENS FOR THEIR WORK AS WELL AS SUBCONTRACTORS OR MATERIAL SUPPLIERS, UPON THE REQUEST OF THE CLIENT OR THE CLIENT'S ARCHITECT AND THE REQUEST FOR THE FINAL 10% RETENTION ON THIS PROJECT MUST INCLUDE SIGNED AND EXECUTED WAIVERS OF LIEN INDICATING 100% COMPLETION AND 100% PAYMENT IN FULL, BY ALL SUBCONTRACTORS AND MATERIAL SUPPLIERS.

27.0 ALL EXITS SHALL BE UNOBSTRUCTED AT ALL TIMES, DURING CONSTRUCTION AND OCCUPANCY.

28.0 THE GENERAL CONTRACTOR, AT THE POINT OF "SUBSTANTIAL COMPLETION" AND "TURNOVER" MUST COMPLETE, AT GENERAL CONTRACTOR'S COST AND EXPENSE (FINAL PAYMENT CANNOT BE REQUESTED UNLESS ALL OF THIS WORK NOTED IS COMPLETED):
A) FINAL INSPECTIONS BY ALL BODIES HAVING JURISDICTION NECESSARY FOR FINAL COMPLETION, CERTIFICATE OF OCCUPANCY OR COMPLETION, WHICHEVER IS APPLICABLE.
B) FINALIZE ALL PUNCH LISTS AND/OR REQUIREMENTS, TO THE SATISFACTION OF BOTH THE ARCHITECT AND THE OWNER
C) FINALIZE CHANGES ON PLANS AND SPECIFICATIONS AND MARK ALL APPROVED BUILDINGS DEPARTMENT, FIRE MARSHALL AND OWNER CHANGES ON A SET OF COPIES FOR BOTH OWNER ARCHITECT AND FORWARD SUCH INFORMATION TO BOTH PARTIES VIA COURIER. MARKUPS SHALL BE COMPLETED USING A CLOUD PROCEDURE WITH A MAGIC MARKER TO EASILY DISTINGUISH CHANGES FROM ORIGINAL WORK.

29.0 IF THE OWNER OR ARCHITECT DO NOT MAKE REPEATED SITE VISITS CONTINUALLY OR AT ALL, THE GENERAL CONTRACTOR IS NOT RELIEVED OF ANY RESPONSIBILITY OR DUTIES INVOLVED IN THIS CONSTRUCTION WORK.

30.0 THE CONSTRUCTION DRAWINGS LISTED ON THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED BASED ON THE BEST INFORMATION AVAILABLE DURING PREPARATION OF PLANS. IN THE EVENT THAT PROBLEMS ARISE DURING THE COURSE OF THE PROJECT, DUE TO UNKNOWN SITE CONDITIONS OR CODE AND REQUIREMENTS (IF ANY) THAT CONFLICT WITH DRAWINGS, THE GENERAL CONTRACTOR SHALL INFORM THE ARCHITECT IMMEDIATELY.

31.0 THE PROPER RECEIPT OF ALL NEW MATERIALS AND EQUIPMENT AT THE JOB SITE IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR, AND/OR HIS/HER SUBCONTRACTORS (IF ANY). SECURE AND SAFE STORAGE OF ALL NEW AND EXISTING MATERIALS AND EQUIPMENT TO REMAIN (IF ANY) WILL BE PROVIDED BY THE GENERAL CONTRACTOR. GENERAL CONTRACTOR TO IMMEDIATELY ADVISE CONSTRUCTION DEPT. OF ALL DAMAGED OR DEFICIENT SHIPMENTS OF MATERIALS AND EQUIPMENT, WHETHER SUPPLIED BY TENANT OR DIRECTLY BY CONTRACTOR OR HIS/HER SUPPLIERS. GENERAL CONTRACTOR TO COMPLETE AND SUBMIT ALL NECESSARY PAPERWORK AND ARRANGE INSPECTIONS OF DAMAGED GOODS AS PER TENANT CONSTRUCTION DEPT. REQUIREMENTS.

32.0 THE GENERAL CONTRACTOR IS REQUIRED TO ADHERE TO ALL NEW REQUIREMENTS, STATED OR NOT ON THESE PLANS AND SPECIFICATIONS, FOR THE LATEST A.D.A. LAW EFFECTIVE JANUARY 26, 1992. THIS LAW IS A CIVIL RIGHTS LAW AND THE EXCLUSION OF REQUIREMENTS BY THE LOCAL CODE OFFICIALS DOES NOT RELIEVE THE TENANT OR THE TENANT'S CONTRACTOR OF ADHERING TO THE NECESSARY WORK, EITHER DURING CONSTRUCTION OR AFTER OCCUPANCY.

33.0 QUALITY STANDARDS: ALL SUCH WORK SHALL BE PERFORMED IN A FIRST-CLASS WORKMANLIKE MANNER AND SHALL BE IN GOOD AND USABLE CONDITION AT THE DATE OF COMPLETION THEREOF. GENERAL CONTRACTOR SHALL REQUIRE ANY PERSON PERFORMING ANY SUCH WORK TO GUARANTEE THE SAME TO BE FREE FROM ANY AND ALL DEFECTS IN WORKMANSHIP AND MATERIALS FOR ONE (1) YEAR FROM THE DATE OF COMPLETION THEREOF. OWNER SHALL ALSO REQUIRE ANY SUCH PERSON TO BE RESPONSIBLE FOR THE REPLACEMENT OR REPAIR WITHOUT ADDITIONAL CHARGE, OF ANY AND ALL WORK DONE OR FURNISHED BY OR THROUGH SUCH PERSON, WHICH SHALL BECOME DEFECTIVE WITHIN ONE (1) YEAR AFTER SUBSTANTIAL COMPLETION OF THE WORK. THE CORRECTION OF SUCH WORK SHALL INCLUDE, WITHOUT ADDITIONAL CHARGES ALL INCIDENTAL DAMAGES IN CONNECTION WITH SUCH REMOVAL, REPLACEMENT OR REPAIR OF ANY PART OF THE WORK WHICH MAY BE DAMAGED OR DISTURBED THEREBY. ALL WARRANTIES OR GUARANTEES AS TO MATERIALS OR WORKMANSHIP ON OR WITH RESPECT TO OWNER'S WORK SHALL BE CONTAINED IN THE CONTRACT OR SUBCONTRACT WHICH SHALL INURE TO THE BENEFIT OF OWNER, AND CAN BE DIRECTLY ENFORCED BY HIM/HER. GENERAL CONTRACTOR TO HAVE THIS CLAUSE IN EVERY SUBCONTRACTOR AGREEMENT FOR THE PROJECT AND IF SUCH CLAUSE IS NOT INCLUDED, IT WILL NOT RELIEVE THE GENERAL CONTRACTOR OF THE REQUIREMENTS OR WORK STATED HEREIN.

34.0 THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND HAVE CONTROL OVER CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT, UNLESS CONTRACT DOCUMENTS GIVE OTHER SPECIFIC INSTRUCTIONS CONCERNING THESE MATTERS. SEE AIA DOCUMENT A201 GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, ARTICLE 3, SECTION 3.3.1 (1987 EDITION)

35.0 THE ARCHITECT SHALL NOT HAVE CONTROL OVER OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, SINCE THESE ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY UNDER THE CONTRACT FOR CONSTRUCTION.

36.0 THE GENERAL CONTRACTOR AND/OR HIS/HER SUBCONTRACTOR IS TO COMPLETE ALL FINISHES AS PER PLANS AND SPECIFICATIONS, THE FINISHES NOTED MAY FOR VARIOUS REASONS BE CHANGED BASED ON AVAILABILITY AND/OR APPROVAL OF DIFFERENT MANUFACTURES AND/OR HIS/HER SUBCONTRACTOR WILL BE REQUIRED TO ADHERE TO THE EXACT SPECIFICATION ON DRAWINGS, BASED ON THE TYPE OF SUBSTRATE AND/OR THE SUBSTRATE PREPARATION, AND CORRECT APPLICATION AND/OR NECESSARY WORK FOR PROPER ADHESION AND/OR EXPANSION/CONTRACTION OF THE FINISH MATERIAL OR SUCH SUBSTRATE.

37.0 IF THERE IS A DISCREPANCY BETWEEN A SMALLER DETAIL OR PLAN REGARDING INFORMATION, SIZING, MEASURING, ETC., AND A LARGER DETAIL OR PLAN, THE GENERAL CONTRACTOR AND/OR THE SUBCONTRACTOR WORKING ON THE DETAIL/PLAN IS TO CONTACT THE ARCHITECT OR THE ARCHITECT'S REPRESENTATIVE PRIOR TO STARTING THAT PARTICULAR WORK.

38.0 THE CONSTRUCTION DOCUMENTS (DRAWINGS, SPECIFICATIONS, CONDITIONS, ETC.) REFER TO EXISTING CONDITIONS AT THE SITE AT THE TIME THE DOCUMENTS PRODUCTION COMMENCED. THE ARCHITECTS ARE NOT RESPONSIBLE FOR ANY ADDITIONAL DESIGN WORK RELATED TO DAMAGE, ALTERATIONS, OR CONSTRUCTION WORK PERFORMED ON SITE AFTER MENTIONED DATE.

39.0 WORDS "SUPPLY", "INSTALL", "PROVIDE", "REPLACE", ETC, REFER TO NEW MATERIALS TO BE SUPPLIED AND INSTALLED BY THE CONTRACTOR AS PART OF THE CONSTRUCTION CONTRACT, UNLESS SPECIFIED OTHERWISE ON INSTALLATION DETAILS WHERE NOT ALL MATERIALS OR PROCEDURES ARE SPECIFIED. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PARTS AND SHALL CARRY ON ALL STANDARD GOOD CONSTRUCTION PRACTICE METHODS.

40.0 ALL METAL, CONCRETE, CONCRETE COMPOSITE, GYPSUM BOARD, MASONRY, WOOD AND OTHER MATERIAL INTERIOR AND EXTERIOR SURFACES, EITHER NEW OR EXISTING, EXCLUDING DOOR AND WINDOW HARDWARE, ACOUSTIC CEILINGS, FLOOR FINISHES, CERAMIC TILES AND GLASS SURFACES, SHALL BE PAINTED ACCORDING TO PAINT SPECIFICATIONS, THIS INCLUDES ALL CEILINGS, WALLS, RAILINGS, HANDRAILS, PARAPETS, GATES, FIXED GRILLES, DOORS, DOOR FRAMES, WINDOWS, ETC. CLEAN AND PREPARE ALL SURFACES AS PER PAINT SPECIFICATIONS BEFORE APPLYING NEW PAINT. THE ARCHITECT SHALL SUBMIT THE COLOR SCHEMES.

41.0 ACCESS TO THE PROJECT SHALL BE COORDINATED WITH OWNER BEFORE CONSTRUCTION COMMENCEMENT. CONSTRUCTION SITE ACCESS SHALL BE CONTROLLED BY THE CONTRACTOR AND ALL HIS EMPLOYEES SHALL BE DULY IDENTIFIED.

42.0 THE CONTRACTOR SHALL MAINTAIN A GRAPHIC AND WRITTEN RECORD OF ALL CHANGES IN THE DRAWINGS TO SUBMIT TO THE OWNER AT THE END OF THE CONSTRUCTION.

43.0 THE ARCHITECT HAS THE PREROGATIVE OF CHARGING A FEE OF $125.00 PER HOUR FOR THE REVISION OF SUBSTITUTIONS PRESENTED BY THE CONTRACTOR DURING THE BID OR CONSTRUCTION PERIODS.

44.0 THE CONTRACTOR SHALL TAKE INTO ACCOUNT ALL PRECAUTIONS NOT TO DAMAGE EXISTING TREES AND/OR PLANTS TO REMAIN.

45.0 ALL ARCHITECTURAL, ELECTRICAL, MECHANICAL, PLUMBING, AIR CONDITIONING AND STRUCTURAL EQUIPMENT AND/OR INSTALLATION DETAIL SHALL BE INCLUDED IN THE BASE BID EVEN THOUGH THEY ONLY APPEARS ON ARCHITECTURAL DRAWINGS (AND NOT ON ELECTRICAL, STRUCTURAL, MECHANICAL OR CIVIL DRAWINGS) OR ON ELECTRICAL, STRUCTURAL, MECHANICAL OR CIVIL DRAWINGS (AND NOT ON ARCHITECTURAL DRAWINGS). THE CONTRACTOR SHALL VERIFY THE DRAWINGS BEFORE SUBDIVIDING THE DRAWING SETS FOR SUBCONTRACTOR QUOTATIONS.

46.0 THE CONTRACTOR SHALL INSTALL SIGNS FOR THE HANDICAPPED ON WALLS NEXT TO RAMPS, COMPLYING WITH THE ADA CODE. SUBMIT SAMPLE FOR THE ARCHITECT'S APPROVAL.

47.0 ALL MATERIAL SPECIFIED MUST BE INSTALLED OR APPLIED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.

48.0 THE CONSTRUCTOR MUST SUBMIT FINISH SAMPLES FOR THE ARCHITECT'S APPROVAL.

49.0 ALL CONCRETE, CONCRETE BLOCK WALLS & CEILINGS TO BE PLASTERED, UNLESS OTHERWISE NOTED.

50.0 THIS IS A PUBLIC BID THEREFORE WHENEVER AND WHEREVER ON THIS PLANS REFERENCE IS MADE TO A SPECIFIC PRODUCT BRAND OR SUPPLIER THE GENERAL CONTRACTOR SHALL UNDERSTAND THAT AN EQUAL OR SIMILAR MATERIAL OR COMPONENT CAN BE SUBMITTED FOR EVALUATION AND POSSIBLE APPROVAL OR DISAPPROVAL OF THE ARCHITECT.

51.0 CONSTRUCTION TIME & REQUIREMENT FOR THIS PROJECT REFER TO CONTRACT DOCUMENTS.

52.0 CONTRACTOR SHALL VISIT THE SITE AND INSPECT THE STREETS, SIDEWALKS AND BUILDING AREAS TO FAMILIARIZE WITH THE EXTENT OF EXISTING ELEMENTS TO BE DEMOLISHED AND REMOVED. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND DISPOSING ALL DEMOLISHED MATERIALS AND EQUIPMENT AWAY FROM THE SITE AT NO COST TO THE OWNER.

53.0 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO ACTUAL CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES, ERRORS OR OMISSIONS, SO THAT PROPER CORRECTIONS ARE MADE. ALL CHANGES AND REVISIONS TO THE EXTENT OF WORK WILL BE AT NO EXTRA COST TO THE OWNER.

54.0 THE CONTRACTOR SHALL COORDINATE OR VERIFY THE LOCATION OF EXISTING UTILITIES, SUCH AS TELEPHONE, ELECTRICAL CONDUITS, SANITARY, WATER AND STORM SEWER LINES. PRIOR TO PROCEED WITH ANY EXCAVATION OR CONSTRUCTION, IN CASE OF INTERFERENCE WITH EXISTING CONDITION, THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER AT NO COST TO THE OWNER.

55.0 THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONNECTIONS TO EXISTING UTILITIES, SUCH US TELEPHONE, ELECTRICAL CONDUITS, SANITARY, WATER AND STORM SEWER LINES WITH NO EXPOSED ENDS, UNLESS OTHERWISE NOTED.

56.0 ALL DETAILS, SECTIONS AND NOTES SHOWN ON DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE UNLESS OTHERWISE NOTED.

57.0 PROVISIONS FOR DETAIL, NOT SPECIFICALLY DRAWN, SHALL BE MADE BY THE CONTRACTOR IN ACCORDANCE WITH ACI 318 BUILDING CODE AND/OR CLARIFIED WITH THE DESIGNER.

58.0 ALL DETAILING AND CONSTRUCTION TO BE MADE IN ACCORDANCE WITH "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE" (ACT 315), "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACT 318) AND ALL OTHER AMERICAN CONCRETE INSTITUTE STANDARDS AND RECOMMENDATIONS FOR ACCEPTABLE PRACTICES.

59.0 IN CASE OF DOUBT IN THE INTERPRETATION OF ALL ASPECT IN THE CONSTRUCTION DRAWINGS AND/OR SPECIFICATIONS, THE DESIGNER SHALL BE CONSULTED.

60.0 THE CONTRACTOR SHALL REPAIR, CLEAN, AND RESTORED TO FINISHED GRADE, AS REQUIRED ALL CURBS, SIDEWALKS AND AREAS AFFECTED DURING THE CONSTRUCTION OPERATION, DUE TO THE MOVEMENT OF HEAVY EQUIPMENT OR THE TEMPORARY STOCKING OF CONSTRUCTION MATERIALS, AT NO ADDITIONAL COST TO THE OWNER, IN ORDER TO MINIMIZE DAMAGE, THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER AND LIMIT TO A MINIMUM THE USE OF AREAS FOR SITE MOVEMENT AND STORAGE OF MATERIALS AND EQUIPMENT.

61.0 CONTRACTOR SHALL REMOVE FROM THIS SITE SCRAP MATERIAL OR ANY OTHER ELEMENT DISCARDED WITHIN THE PROJECT, THIS MAY REQUIRE INSPECTION, HANDLING AND/OR DISPOSAL AT CONTRACTOR OWN EXPENSE.

62.0 THE CONTRACTOR IS ADVISED TO INSPECT THE SITE PRIOR TO HIS BIDDING TO ASCERTAIN THE EXTENT OF WORK REQUIRED IN THE DEMOLITION AND REMOVAL OF EXISTING STRUCTURES AND/OR ELEMENTS.

63.0 DURING DEMOLITION AND CONSTRUCTION WORK, INCLUDING EXCAVATIONS, CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL DAMAGE TO ALL EXISTING UNDERGROUND UTILITIES, SUCH AS SANITARY, WATER AND STORM SYSTEMS BUILDING CONNECTIONS, AND UNDERGROUND ELECTRICAL FACILITIES, ANY DAMAGE SHALL BE REPAIRED BY THE CONTRACTOR WITHIN 12 HOURS OF ITS OCCURRENCE WITHOUT ADDITIONAL COMPENSATION.

64.0 WHERE REQUIRED, CONCRETE WATER VALVE BOXES, CATCH BASINS AND MANHOLES SHALL BE RAISED OR LOWERED TO MATCH PROPOSED GRADING AND PROVIDED NEW COVER, STANDARD GRATING, OR STANDARD MANHOLE COVER. MANHOLES OR VALVE BOXES HIGHER THAN THE PROPOSED GRADING MAY REMAIN UNALTERED IF DRAINAGE IS NOT IMPAIRED.

65.0 CONSTRUCT WHEEL CHAIR RAMPS AT CORNER WHERE SIDEWALK IS REPLACED OR NEW SIDEWALK INSTALLED.

65.0 THE MAXIMUM CONTROL JOINT SPACING AT CURB AND SIDEWALK IS 3 METERS. JOINT MUST BE 0.003 METERS WIDE.

67.0 FORMS SHALL BE OF METAL AND SHALL EXTEND FOR THE FULL DEPTH OF THE CONCRETE. WOODEN FORMS MAY BE USED, WHEN AUTHORIZED BY THE ENGINEER, ON SHORT RADIUS CURVES SUCH AS AT STREET INTERSECTIONS AND AT SUCH OTHER LOCATIONS FOR WHICH CURVED METAL FORMS MAY NOT BE AVAILABLE. ALL FORMS SHALL BE FREE FROM WARP AND OF SUFFICIENT STRENGTH TO RESIST THE PRESSURE OF THE CONCRETE WITHOUT DISPLACEMENT. BRACING AND STAKING OF FORMS SHALL BE SUCH THAT THE FORMS OF REMAIN IN BOTH HORIZONTAL AND VERTICAL ALIGNMENT UNTIL THEIR REMOVAL. ALL FORMS SHALL BE CLEANED AND COATED WITH AN APPROVED FORM RELEASE AGENT OR FORM OIL BEFORE CONCRETE IS PLACED. DIVIDER PLATES SHALL BE OF METAL. FORMS SHALL CONFORM TO THE SPECIFIED RADIUS WHEN PLACED ON CURVES.

68.0 WHERE EXISTING SIDEWALK IS BEING RECONSTRUCTED AND WHERE NEW SIDEWALK IS BEING BUILT ALONG LOCAL ROADS, THE CONTRACTOR SHALL INSTALL CURB AND GUTTER TYPE AS SPECIFIED AND AS SHOWN IN PLANS.

69.0 SAW CUT SHALL BE MADE AT THE BOUNDARIES OF EXISTING ASPHALT OR CONCRETE PAVEMENT AND A NEW OR EXISTING SIDEWALK TO BE RECONSTRUCTED AT LEAST 2 INCHES DEEP.

Notes:

1.0 Do not scale dimensions from drawings. Dimensions govern.

2.0 All dimensions are in feet and inches, unless noted otherwise.

3.0 The contractor shall check all dimensions, levels and angles on site prior to commencing any work.

4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.

5.0 This plan was prepared based on information obtained & provided by the owner.

NUMERAL		
1	05.in.17	Explication

REV. # DATE ISSUING REASON

PROFESSIONAL SEAL

CERTIFICACIÓN + COPYRIGHTS + FIRM NAME

JOSUÉN RODRÍGUEZ BETZUD LICENCIA
TÍTULO, CERTIFICO QUE SOY EL PROFESIONAL
QUE DISEÑÓ, CONFECCIONÓ Y PREPARÓ ESTOS
PLANOS Y ESPECIFICACIONES, Y QUE LOS MISMOS
FUERON CONFECCIONADOS BAJO MI SUPERVISIÓN
DIRECTA Y CUMPLEN CON LAS DISPOSICIONES APLICABLES
DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN
CÓDIGOS DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS Y COMPAÑÍAS
AGENCIAS Y COMPAÑÍAS DE SERVICIO PÚBLICO
SERVICIO PÚBLICO QUE HAYA INTERVENIDO EN
INTERVENIDO EN EL DISEÑO DE ESTOS
EL DISEÑO DE ESTOS PLANOS Y ESPECIFICACIONES.
PLANOS Y ESPECIFICACIONES. CUMPLIMOS CONSTANTE
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ORGÁNICA DE LA POLICÍA INSULAR, LEY NÚMERO 96 DEL 6 DE
INSULAR, LEY NÚMERO 96 DEL 6 DE JULIO DE 2000, CONOCIDA
JULIO DE 2000, CONOCIDA COMO LA LEY ORGÁNICA DE LA POLICÍA
LEY ORGÁNICA DE LA POLICÍA INSULAR, Y EL REGLAMENTO
INSULAR, Y EL REGLAMENTO NÚMERO 6950

General Demolition Notes

ALL INFECTION CONTROL CRITERIA AS SPECIFIED IN SECTION 01 00 00 - GENERAL REQUIREMENTS - - SHALL BE ADHERED TO DURING ALL PHASES OF THE PROJECT.

1. THE DEMOLITION DRAWINGS FOR ARCHITECTURAL AND ENGINEERING WORK HAVE BEEN PREPARED USING "MEASURED DRAWINGS/AS-DESIGNED" DOCUMENTS PROVIDED BY THE OWNER. NEITHER THE OWNER NOR THE ARCHITECT WARRANT THESE TO BE "AS-BUILT" DOCUMENTS, AND ACTUAL CONDITIONS MAY VARY. THE DEMOLITION WORK INDICATED IS INTENDED TO SHOW THE GENERAL SCOPE OF THE DEMOLITION WORK AND IN NO WAY RELIEVES THE CONTRACTOR FROM PERFORMING ANY AND ALL DEMOLITION REQUIRED TO COMPLETE THE NEW WORK.

2. DEMOLITION NOTES INDICATED ON DRAWINGS MAY NOT BE ALL INCLUSIVE. REMOVE ALL ITEMS REQUIRED FOR RECONSTRUCTION ACTIVITIES.

3. VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK, BRING ANY DISCREPANCIES FROM THE DRAWINGS AND NOTES TO THE ARCHITECT IMMEDIATELY. MINOR CHANGES IN THE SCOPE OF THE DEMOLITION WORK SHALL NOT JUSTIFY AN ADDITIONAL COST.

4. ALL STRUCTURAL ELEMENTS SHALL BE PROTECTED DURING DEMOLITION & THROUGHOUT CONSTRUCTION.

5. ALL DEMOLISHED MECHANICAL AND ELECTRICAL ITEMS SHALL BE REMOVED INCLUDING WIRING AND SERVICE LINES TO SOURCE. ALL SYSTEM LINES ARE NOT SHOWN ON CONSTRUCTION DOCUMENTS.

6. ALL WALLS, SUB-STRUCTURAL FRAMES, PARTITIONS, EQUIPMENT, ETC. INDICATED BY DASHED LINES (- - - -) SHALL BE REMOVED. ALL MECHANICAL, ELECTRICAL, PLUMBING AND OTHER SERVICES WHICH ARE CONTAINED IN THE AREA TO BE REMOVED SHALL ALSO BE REMOVED OR REROUTED. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WITH NEW CONSTRUCTION BEFORE STARTING DEMOLITION.

7. AFTER REMOVAL OF EXISTING FLOOR FINISH, CONCRETE FLOOR SHALL BE GROUND SMOOTH AND LEVELED BEFORE INSTALLATION OF NEW FINISH PER ROOM FINISH SCHEDULE. AT DISSIMILAR FLOOR ELEVATIONS, FEATHER SELF-LEVELING COMPOUND TO EACH FLOOR ELEVATION AND GRIND SMOOTH, AT DISSIMILAR FLOOR MATERIALS, AND/OR AT JUNCTIONS BETWEEN NEW AND EXISTING FLOORS, PROVIDE APPROPRIATE TRANSITION STRIP.

8. WHERE EXISTING DOORS, DOOR FRAMES, EQUIPMENT, PORTIONS OF WALLS AND PARTITIONS ARE REQUIRED TO BE REMOVED FOR THE COMPLETION OF THE WORK, EXERCISE CAUTION TO AVOID DISRUPTING SURROUNDING MATERIALS. SALVAGE EXISTING MATERIALS AS MUCH AS POSSIBLE FOR REUSE IN PATCHING SURROUNDING FINISHES WHEN APPROVED BY THE OWNER'S REPRESENTATIVE OR INDICATED ON CONSTRUCTION DRAWINGS.

9. WHERE REMOVAL OF EXISTING WALLS, PARTITIONS, EQUIPMENT, ETC. DISRUPTS EXISTING ELECTRICAL, MECHANICAL AND PLUMBING SERVICES, MAKE PERMANENT (OR IF NECESSARY, PROPER TEMPORARY) CONNECTIONS TO RESTORE AFFECTED SERVICES TO ORIGINAL CONDITION IN AREAS NOT SCHEDULED FOR DEMOLITION AND REMODELING.

10. REPAIR ANY DAMAGE TO ITEMS INDICATED TO REMAIN AS A RESULT OF DEMOLITION AND/OR CONSTRUCTION ACTIVITIES. SEE SITE, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS.

11. ERECT AND MAINTAIN TEMPORARY CONSTRUCTION BARRIERS, COORDINATE LOCATIONS WITH CONSTRUCTION DOCUMENTS, PROJECT PHASING, ARCHITECT AND OWNER'S REPRESENTATIVE.

12. MAINTAIN CLEAR EXIT PATHS DURING DEMOLITION AND CONSTRUCTION ACTIVITIES.

13. UTILITIES/MEDICAL SYSTEM SHUTDOWNS (INCLUDING MEDICAL GASES) SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE, PER THE SPECIFICATIONS.

14. PRIOR TO MOBILIZATION, OR WORK COMMENCEMENT, THE CONTRACTOR SHALL COMMUNICATE IN WRITING THE PRESENCE/ABSENCE OF ASBESTOS OR LEAD IN ANY PART OF THE EXISTING STRUCTURE.

15. THE CONTRACTOR IS RESPONSIBLE FOR ASBESTOS ABATEMENT AND SHALL COORDINATE SUCH ABATEMENT WITH DEMOLITION WORK.
    A. THE OWNER BELIEVES THAT A CERTAIN AMOUNT OF THE EXISTING TILE HAS ASBESTOS-BASED MASTIC.
    B. THE OWNER BELIEVES THAT EXISTING LEAD BASED PAINT MAY BE PRESENT IN HE EXISTING STRUCTURE.

16. ALL DEMOLITION WORK SHALL BE PERFORMED WITH "DUE CARE AND DILIGENCE" SO AS TO PREVENT THE ARBITRARY DESTRUCTION OR INTERRUPTION OF CONCEALED UTILITIES WHICH COULD NOT BE PREDETERMINED UNTIL DEMOLITION WAS STARTED. ALL SUCH DISCOVERIES OF UTILITIES DURING THE DEMOLITION PROCESS WHICH ARE IN A LOCATION DIFFERENT FROM FLOOR TO FLOOR, ETC., OR ARE UNIDENTIFIED, SHALL BE REPORTED TO THE ARCHITECT BEFORE REMOVAL FOR FINAL DISPOSITION.

17. REMOVE PORTIONS OF EXISTING CONSTRUCTION AS DRAWN AND PATCH TO MATCH ADJACENT CONSTRUCTION. PATCH TO MATCH ADJACENT SURFACES OF EXISTING WALLS AND FLOORS IN ALL AREAS REQUIRED DUE TO THE REMOVAL OF MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT OR FIXTURES. NEW WORK SHALL ALIGN WITH AND MATCH EXISTING WORK EXCEPT WHERE OTHERWISE DIMENSIONED OR DETAILED.

18. WHERE DEMOLITION WORK UNCOVERS OR LEAVES OPENINGS IN PARTITIONS OR INCOMPLETE PARTITIONS, EXTEND, RESTORE, AND/OR CLOSE OPENING IN PARTITION AS INDICATED AND/OR AS REQUIRED TO MAINTAIN FIRE RATINGS, MATCH EXISTING CONSTRUCTION, U.N.O., WITHIN THE LIMITS AND TOLERANCES FOR MATERIALS AS SPECIFIED OR RECOMMENDED BY THE MANUFACTURER. REFINISH SURFACES TO ALIGN FLUSH WITH EXISTING.

19. WHERE DEMOLITION WORK OR RELOCATION OF EXISTING ITEMS LEAVES UNFINISHED SURFACES AND/OR SUBSTRATES, CUT AND PATCH AS REQUIRED TO RESTORE SUBSTRATE AND/OR FINISH MATERIAL EVEN AND FLUSH WITH ADJOINING SURFACES. TEXTURE AND REFINISH TO MATCH EXISTING UNLESS NOTED OTHERWISE.

20. APPLY SELF-LEVELING COMPOUND TO FLOORING WHERE CMU WALLS ARE DEMOLISHED. GRIND FLOOR PRIOR TO APPLYING SELF-LEVELING COMPOUND IF REQUIRED TO ALLOW FOR LEVEL FLOOR SURFACE.

21. WHERE DEMOLITION OR RELATED WORK LEAVES FLOOR SURFACES WITH IMPERFECTIONS OR NOT LEVEL TO TOLERANCES SPECIFIED FOR NEW WORK, PROVIDE SELF-LEVELING UNDERLAYMENT.

22. REMOVAL OF EXISTING FIXTURES AND EQUIPMENT WILL REQUIRE ISOLATING THE PIPING RISERS OR MAINS VIA SHUT-OFF VALVES. INSTALL NEW ISOLATION VALVES WHERE REQUIRED FOR COMPLETION OF WORK.

23. REMOVAL OF EXISTING PLUMBING FIXTURES AND EQUIPMENT, ETC, WILL REQUIRE CAPPING AND SEALING EXISTING MAINS OR BRANCHES AS NECESSARY AND REQUIRED TO ALLOW THE REMAINING SYSTEMS TO FULLY OPERATE WITHOUT DEGRADATION. CONTRACTOR SHALL PROVIDE PROTECTIVE PLASTIC DROP CLOTHS TO PROTECT THE EXISTING OCCUPIED AREAS AND EQUIPMENT FROM DUST AND DEBRIS DURING THE CONSTRUCTION WORK, AND SHALL CLEAN THE AREAS OF ALL CONSTRUCTION DIRT DAILY, AND UPON COMPLETION OF THE WORK. REFER TO GENERAL CONDITIONS AND DIVISION 1 SECTIONS IN THE SPECIFICATIONS.

24. ALL DRAINED PIPING RISERS AND MAINS SHALL BE REFILLED WITH PROPER FLUID AND PROPERLY VENTED BY THE CONTRACTOR, ONCE NEW WORK HAS BEEN INSTALLED.

25. CEILINGS WHICH ARE IN CONFLICT WITH NEW WORK SHALL BE REMOVED OR RELOCATED ALONG WITH ALL MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS. COORDINATE WITH GENERAL CONTRACTOR THE REMOVAL AND REPLACEMENT OF ALL EXISTING CEILINGS, WALLS, ETC, AS REQUIRED FOR THE SPECIFIC WORK.

26. EXISTING PIPING AND EQUIPMENT, ETC,, NOT TO BE UTILIZED IN THE COMPLETED BUILDING SHALL BE DISCONTINUED OR REMOVED AS REQUIRED,. ALL ENDS OF DISCONTINUED PIPING SHALL BE CAPPED IN THE NEAREST WALL, CEILING OR FLOOR SO THAT THEY ARE COMPLETELY CONCEALED. OPENINGS LEFT IN WALLS, CEILINGS, ETC,, WHERE EQUIPMENT AND PIPE, ETC,, ARE REMOVED AND NOT REPLACED, SHALL BE PATCHED NEATLY WITH SIMILAR MATERIAL TO ADJACENT CONSTRUCTION, REFER TO DRAWINGS DELINEATING NEW WORK FOR ADDITIONAL INFORMATION REGARDING SYSTEMS OR PORTIONS OF SYSTEMS WHERE USE IS TO BE DISCONTINUED.

27. WHEREVER EXISTING EQUIPMENT, PIPING, DUCTS, ETC,, ARE REQUIRED TO BE REMOVED, SUCH REMOVAL SHALL INCLUDE ALL ANCHORS, HANGARS, BRACING, FOUNDATION, ETC,. AFTER REMOVAL, AFFECTED CONSTRUCTION AND SURFACES, SUCH AS FLOORS ,WALLS, BASES, AND CEILINGS, SHALL BE FINISHED TO MATCH ADJACENT SURFACES UNLESS OTHERWISE NOTED.

28. EXISTING PIPING, FIXTURES AND EQUIPMENT THAT ARE NOT TO BE REUSED SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE OWNER IF THEY WISH TO RETAIN OWNERSHIP OF SAME, IF NOT, EQUIPMENT SHALL BECOME THE PROPERTY OF THIS CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AS SOON AS PRACTICAL AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE LAWS AND REGULATIONS.

29. ALL CUTTING AND CHANNELING OF EXISTING BUILDING SHALL BE ACCOMPLISHED IN A NEAT AND WORKMANLIKE MANNER WITHOUT REMOVAL OF EXCESS MATERIALS. THIS CONTRACTOR SHALL PATCH AND REPLACE WITH MATERIAL SIMILAR TO ADJACENT CONSTRUCTION.

30. WHERE EXISTING PIPING AND EQUIPMENT, ETC,, THAT ARE TO BE UTILIZED IN THE COMPLETED PROGRAM CONFLICT WITH NEW CONSTRUCTION AND THE REQUIRED DEMOLITION, THEY SHALL BE RELOCATED AND RECONNECTED TO MAINTAIN THE DESIRED SERVICE.

31. PORTIONS OF EXISTING SYSTEMS MAY BE SHOWN FOR CLARITY EVEN THOUGH IT MAY NOT BE NECESSARY TO MODIFY OR REVISE THEM. ALL EXISTING SYSTEMS ARE SHOWN BASED ON ORIGINAL OR REMODEL BUILDING DRAWINGS. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS.

32. ALL WORK MUST BE COORDINATED AND SCHEDULED WITH THE OWNER AND OCCUPANTS OF THIS BUILDING SO AS TO PROVIDE THE LEAST AMOUNT OF DISRUPTION OF BUILDING ACTIVITIES AS POSSIBLE.

33. ALL ACCESSIBLE ABANDONED PIPING AND DUCTWORK SHALL BE REMOVED AND PROPERLY DISPOSED OF.

34. CONTRACTOR SHALL REPAIR ALL SURFACES TO LIKE NEW AFTER TEMPORARY WALLS AND DOORS HAVE BEEN REMOVED.

Demolition Keynotes

Accessories/Miscellaneous

- A1 REMOVE AND DISPOSE OF EXISTING TOILET
- A2 REMOVE AND DISPOSE OF EXISTING COUNTERTOP, SHELVING, AND WORKSTATION
- A3 REMOVE AND DISPOSE OF EXISTING CANOPY AND RELATED ITEMS

Ceiling

- C1 REMOVE AND DISPOSE OF EXISTING CEILING SYSTEM.
- C2 REMOVE AND DISPOSE OF EXISTING TRACKS.
- C3 REMOVE AND DISPOSE OF EXISTING LIGHTING FIXTURES.

Doors and Frames

- D1 REMOVE AND DISPOSE OF EXISTING DOOR, FRAME, HARDWARE AND SIDELIGHT.
- D2 REMOVE AND DISPOSE OF EXISTING SLIDING DOOR, FRAME, HARDWARE AND RELATED ITEMS.
- D3 REMOVE AND DISPOSE OF EXISTING BI-FOLDING DOOR, FRAME, HARDWARE AND RELATED ITEMS.
- D4 NOT USED.

Floor

- F1 REMOVE AND DISPOSE OF EXISTING FLOOR COVERING TO SLAB.
- F2 REMOVE AND DISPOSE OF EXISTING CONCRETE WALKWAY/ STOOP.
- F3 REMOVE AND DISPOSE OF EXISTING RECESSED WALK OFF FLOOR MAT AND FLOOR COVERING LEVEL RECESS WITH SELF LEVELING UNDER-LAYMENT COMPOUND.
- F4 REMOVE AND DISPOSE OF EXISTING..
- F5 REMOVE AND DISPOSE OF EXISTING..

Mechanical/Plumbing

- M1 REMOVE AND DISPOSE OF EXISTING PLUMBING FIXTURE (UTILITY SINK, FLOOR DRAIN, WATER CLOSET, URINAL, SHOWER AND/OR LAVATORY). RE: MEP.
- M2 NOT USED.
- M3 REMOVE AND DISPOSE OF EXISTING FIN TUBE RADIATOR. RE: MEP.
- M4 REMOVE AND DISPOSE OF EXISTING FAN COIL UNIT HEATER. RE: MEP.
- M5 NOT USED.

Partitions

- P1 REMOVE AND DISPOSE OF EXISTING MASONRY PARTITION AND RELATED ITEMS.
- P2 REMOVE AND DISPOSE OF EXISTING STUD PARTITION AND RELATED ITEMS.
- P3 REMOVE AND DISPOSE OF EXISTING STUD PARTITION/ FURRING AND RELATED ITEMS AROUND COLUMN. STEEL COLUMN SHALL REMAIN.
- P4 REMOVE AND DISPOSE OF EXTERIOR WALL SYSTEM AND RELATED ITEMS.
- P5 NOT USED.

Protection Notes

1. GENERAL: CONTRACTOR SHALL PROTECT ALL EXISTING CONSTRUCTION TO REMAIN AS REQUIRED TO PREVENT DAMAGE. ALL EXISTING MATERIALS, SURFACES, EQUIPMENT, ETC. DAMAGED DURING THE WORK SHALL BE REPAIRED TO THE OWNER'S REPRESENTATIVE SATISFACTION OR REPLACED WITH NEW AT NO ADDITIONAL COST TO THE OWNER. PROTECTION DEVICES SHALL BE INSTALLED PRIOR TO THE START OF ALL DEMOLITION, AND MAINTAINED THROUGHOUT CONSTRUCTION AS NEEDED.

2. COORDINATE LOCATION AND TYPE OF ALL PROTECTION BARRIERS WITH CONTRACTING OFFICER PRIOR TO INSTALLATION.

3. PROVIDE FLOOR PROTECTION COVERINGS AS REQUIRED TO PREVENT DAMAGE TO EXISTING FLOOR COVERINGS AND FINISHES TO REMAIN THROUGHOUT ALL CONSTRUCTION AND DEMOLITION ACTIVITY.

4. EXISTING EMERGENCY EXITS MUST BE MAINTAINED ACCESSIBLE DURING THE PERIOD OF CONSTRUCTION

5. CONTRACTOR SHALL SEAL ALL DOOR OPENINGS AND HVAC OPENINGS IN ALL AREAS OF DEMOLITION AND CONSTRUCTION PRIOR TO CUTTING, SANDING, ETC, TO PREVENT DUST MIGRATION TO ADJACENT ROOMS.

6. CONTRACTOR SHALL PROVIDE TEMPORARY WEATHER PROTECTION FOR ALL EXTERIOR OPENINGS WHERE DOORS, WINDOWS, LOUVERS, ROOF HATCHES AND ROOF EQUIPMENT OPENINGS ARE REMOVED OR WHERE NEW EXTERIOR OPENINGS ARE INSTALLED UNTIL PERMANENT ITEMS OR WEATHER PROTECTION ARE INSTALLED.

Notes:

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2.0 All dimensions are in feet and inches, unless noted otherwise.

3.0 The contractor shall check all dimensions, levels and angles on site prior to commencing any work.

4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.

5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS		
1	05.ix.17	Explication

REV. # DATE ISSUING REASON

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DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CODIGOS DE CONSTRUCCION
VIGENTES EN LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES
GUBERNAMENTALES QUE TENGAN JURISDICCION SOBRE ESTA CONSTRUCCION.
ESTOS PLANOS Y ESPECIFICACIONES FUERON PREPARADOS EN CUMPLIDO CABALMENTE
CON LAS DISPOSICIONES DE LA LEY NUMERO 96 DEL 9 DE JULIO DE 1976, SEGUN ENMENDADA POR LA LEY NUMERO 90 DEL 9 DE AGOSTO DE 1988. ESTOS PLANOS NO FUERON PREPARADOS BAJO MI SUPERVISION O CONTRATO O POR ESCUELA O EMPLEADOS. SI POR CUALQUIER RAZON ESTOS PLANOS SON UTILIZADOS POR OTRA PERSONA O COMPAÑIA QUE NO SEA LA PROFESIONAL O FIRMA ARRIBA MENCIONADA, ESTA NO ASUME NINGUNA RESPONSABILIDAD POR LA MISMA.

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PROJECT TILE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

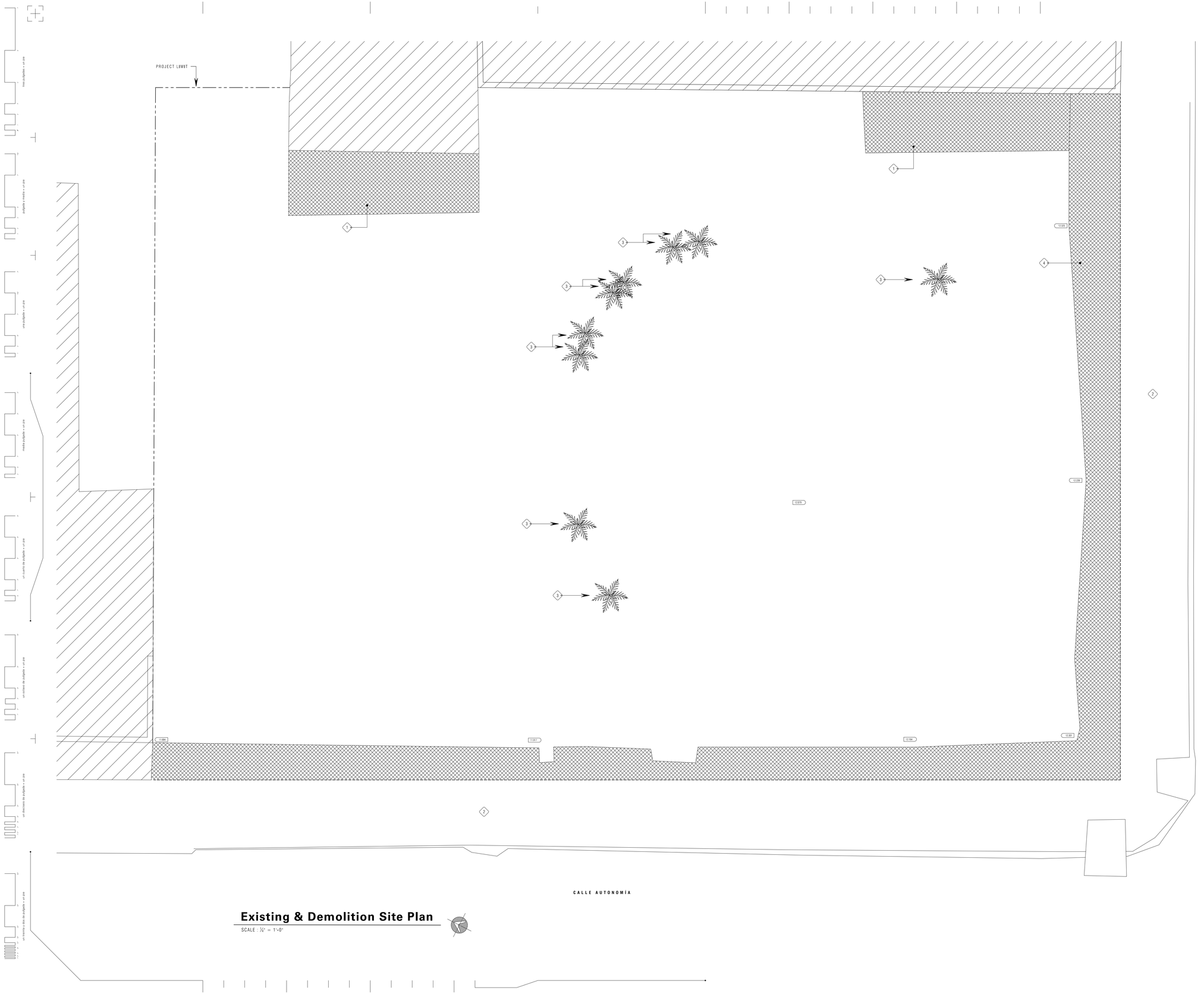
DWG. TITLE

General Demolition & Protection Notes

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT # xx-xx
PROJECT PHASE Advanced Print - 90%
SHEET # 4
DRAWN BY krs
DATE 16.xii.2022

DRG.LINE
GDN-1.0



Existing & Demolition Site Plan

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

Legend

- EXISTING CONSTRUCTION TO REMAIN
- WALLS TO BE DEMOLISHED
- STRUCTURAL CONCRETE WALL
- CONCRETE BLOCK WALL
- GWB. PARTITION
- ELEMENTS TO BE REMOVED
- LIMIT OF SITE IMPROVEMENTS CONTRACT
- EXISTING PALM TREE TO BE RELOCATED. FINAL LOCATION TO BE DETERMINED BY ARCHITECT.
- EXISTING BUSH TO BE REMOVED

Demolition Notes

1. EXISTING CONCRETE SLAB TO BE DEMOLISHED
2. EXISTING SIDEWALK TO REMAIN
3. EXISTING PALM TREE TO BE TRANSPLANTED. FINAL LOCATION TO BE DETERMINED BY ARCHITECT.
4. EXISTING SIDEWALK TO BE DEMOLISHED
5. EXISTING ELECTRICAL POLE - TO BE REMOVED AND DISPOSED - BURY ALL ELECTRICAL LINES

Notes:

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2.0 All dimensions are in feet and inches, unless noted otherwise.

3.0 The contractor shall check all dimensions, levels and angles on site prior to commencing any work.

4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.

5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS

REV #	DATE	ISSUING REASON
1	05.ix.17	Explication

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RIAS. TAMBIÉN CERTIFIQUE QUE ENTIENDO QUE DICHOS
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DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUC-
CIÓN VIGENTES EN LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES
PÚBLICAS QUE TENGAN JURISDICCIÓN SOBRE LA OBRA.
ESTOS PLANOS FUERON PREPARADOS BAJO MI SUPERVISIÓN Y CUMPLEN CABALMENTE CON LAS DISPOSICIONES DE LA LEY NÚMERO 96 DEL 6 DE JULIO DE 1988, SEGÚN ENMENDADA POR LA LEY NÚMERO 98 DEL 6 DE AGOSTO DE 1994. ESTOS PLANOS NO SE PODRÁN USAR EN OTRA OBRA QUE NO SEA LA DESCRITA EN ESTA DECLARACIÓN. CUALQUIER MODIFICACIÓN HECHA A ESTOS PLANOS SIN MI CONSENTIMIENTO O POR NOSOTROS O EMPLEADOS, O POR CONTRATO, ME HACEN NULO Y SIN VALIDEZ ESTE DISEÑO. TODO DERECHO ADQUIRIDO ESTÁ RESERVADO POR EL AUTOR Y LA CORPORACIÓN. ESTE PROYECTO ARQUITECTÓNICO ES PROPIEDAD INTELECTUAL DE LA FIRMA DE ARQUITECTOS Y NO PUEDE SER COPIADO O USADO EN NINGUNA FORMA SIN EL CONSENTIMIENTO ESCRITO DE LA FIRMA. ESTE DISEÑO ARQUITECTÓNICO Y LOS DOCUMENTOS DE CONSTRUCCIÓN SON INSTRUMENTOS DE SERVICIO PROFESIONAL QUE SON Y PERMANECERÁN PROPIEDAD EXCLUSIVA DEL ARQUITECTO Y NO SERÁN USADOS EN NINGÚN PROYECTO SIN EL CONSENTIMIENTO ESCRITO DEL ARQUITECTO. ESTOS DOCUMENTOS SE ENTREGAN SOLAMENTE PARA EL USO EN EL PROYECTO ESPECÍFICO PARA EL CUAL FUERON PREPARADOS. NO SE PERMITE NINGÚN CAMBIO O REVISIÓN SIN EL CONSENTIMIENTO ESCRITO DEL ARQUITECTO. EL USO DE ESTOS DOCUMENTOS POR CUALQUIER PERSONA CONSTITUYE ACEPTACIÓN DE LO ANTERIOR. EL USO DE ESTOS DOCUMENTOS POR CUALQUIER PERSONA CONSTITUYE ACEPTACIÓN DE LO ANTERIOR. EL USO DE ESTOS DOCUMENTOS POR CUALQUIER PERSONA CONSTITUYE ACEPTACIÓN DE LO ANTERIOR.
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PROJECT TILE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

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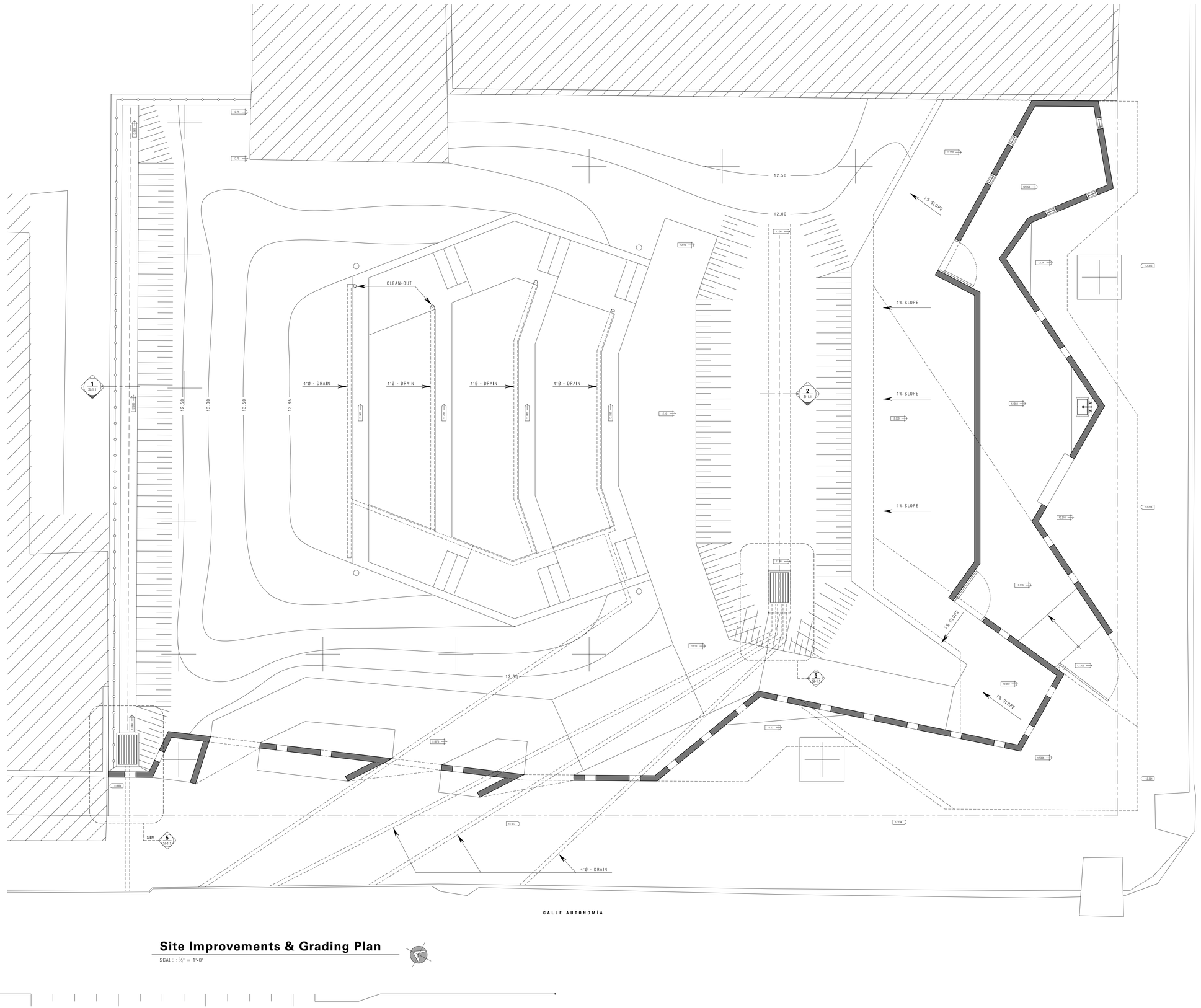
SHEET TITLE

Existing & Demolition Plan

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT #: xx-xx
PROJECT PHASE: Advanced Print - 90%
SHEET #: 5
DRAWN BY: krs
DATE: 16.xii.2022
DISCIPLINE

ED-1.0



Site Improvements & Grading Plan

SCALE : ⅛" = 1'-0"

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REV. #	DATE	ISSUING REASON

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PROJECT TILE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

J.O.G. ENGINEERING CORP.

SHEL TITLE

Site Improvements & Grading Plan

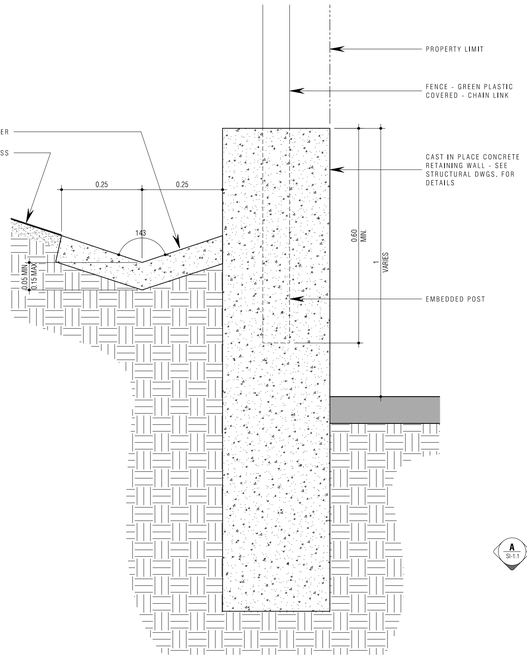
CLIENT

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PROJECT #	PROJECT PHASE
xx-xx	Advanced Print - 90%
SHEET #	DRAWN BY / DATE
6	krs / 16.xii.2022

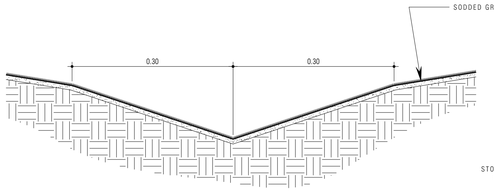
DISCIPLINE

SI-1.0



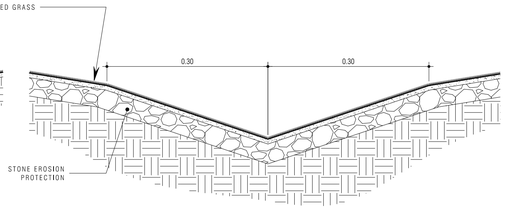
Site - Gutter Detail 1

SCALE: 1 ½" = 1'-0" SI-1.1



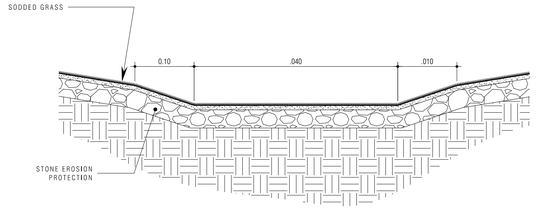
Earth Swale Detail 2

SCALE: 3" = 1'-0" SI-1.1



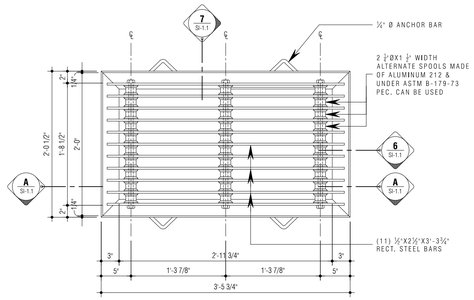
Stone Swale Detail 3

SCALE: 3" = 1'-0" SI-1.1



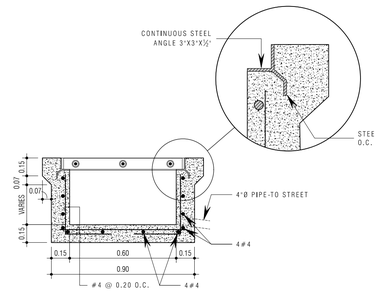
Stone Shallow Swale Detail 4

SCALE: 3" = 1'-0" SI-1.1



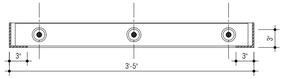
Grading Plan 5

SCALE: 1" = 1'-0" SI-1.1



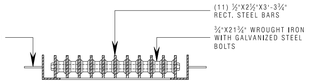
Section - Grading Detail A

SCALE: ½" = 1'-0" SI-1.1



Section 6

SCALE: 1" = 1'-0" SI-1.1



Section 7

SCALE: 1" = 1'-0" SI-1.1

Grading Detail

SCALE: 1" = 1'-0"

Notes

1. CONCRETE STRENGTH 3,000 P.S.I, AT 28 DAYS,
2. REINFORCING STEEL ASTM A615 GRADE 60,
3. CONCRETE COVER REINFORCEMENT AS FOLLOWS: A. BOTTOM SLAB ... 3" (SIDE & BOTTOM). 2" TOP.
4. WELDING AS PER AWS BUILDING CODE (LATEST)
5. ALL DETAILS AND CONSTRUCTION TO COMPLY WITH ACI ASTM 8-179-73 OR LATEST EDITION.
6. ALTERNATE SPOOLS MADE OF ALUMINUM 212 ND UNDER SPECIFICATIONS.

General Notes

1. CONTRACTOR SHALL CAREFULLY STUDY THIS SET OF PLANS AND INSPECT HE PREMISES PRIOR TO HIS BID. HE SHALL CALL TO THE ATTENTION OF HE ARCHITECT/ENGINEER OF ANY DISCREPANCY OR ADDITIONAL WORK HAT IS NOT SPECIFICALLY SHOWN IN THESE DRAWINGS AND HAT IS REQUIRED TO COMPLETE THE JOB.
2. THE CONTRACTOR SHALL RESTORE ALL STREET AND/OR ROAD SURFACES AND DAMAGED STRUCTURES TO THEIR ORIGINAL CONDITION.
3. ALL FILL MATERIAL SHALL BE OF A VERY GOOD COMPACTION QUALITY, FREE OF DEBRIS. ALL COMPACTION SHALL BE ACCORDING TO THE STANDARD SPECIFICATIONS OF PR HIGHWAY AND TRANSPORTATION AUTHORITY ND SOIL REPORT. CONTRACTOR SHALL PROVIDE CERTIFIED COMPACTION TEST RESULTS BY A QUALIFIED SOIL CONSULTING FIRM.
4. CONTRACTOR SHALL PROTECT AND REPAIR, AT HIS OWN EXPENSE, ALL EXISTING WATER SERVICE CONDITIONS ND ANY OTHER FACILITY AFFECTED BY PIPELINE INSTALLATIONS.
5. CONTRACTOR SHALL AND WILL ALWAYS MAINTAIN TRAFFIC ACCESS TO HE PREMISES FOR PROPERTY OWNERS.
6. CONTRACTOR SHALL OBTAIN ALL NECESSARY MUNICIPAL AND STATE AGENCIES' APPROVALS AND PAY FOR ALL REQUIRED BONDS PRIOR TO COMMENCING ANY WORK OR INSTALLATION.
7. ALL ELEVATIONS AND MEASUREMENTS ARE EXPRESSED IN METERS.

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REVISIONS		
1	05.JUL.17	Explanation
REV. #	DATE	ISSUING REASON

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JOSUÉ MANUEL GONZÁLEZ GARCÍA
TÍTULO: ESPECIALISTA EN ELECTRICIDAD
QUE DISEÑE, CONFECCIONÉ Y PREPARÉ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS.
TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CABALMENTE CON LOS REQUERIMIENTOS Y DISEÑOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS Y CORPORACIONES PÚBLICAS CON JURISDICCIÓN.
ESTOS PLANOS Y ESPECIFICACIONES CUMPLEN CABALMENTE CON LO DISPUESTO EN LA LEY NÚMERO 114 DE 2004 APROBADA POR LA ASAMBLEA LEGISLATIVA DE PUERTO RICO.
ESTOS PLANOS Y ESPECIFICACIONES CUMPLEN CABALMENTE CON LAS DISPOSICIONES DE LA LEY NÚMERO 96 DEL 6 DE JULIO DE 1978, SEGÚN ENMENDADA POR LA LEY NÚMERO 96 DEL 6 DE JULIO DE 2004 CONOCIDA COMO LA LEY PARA LA INVERSIÓN POR LA INDUSTRIA PUERTORRIQUEÑA.
LOS PLANOS Y ESPECIFICACIONES CONTENIDOS, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y RESULTARÍA POR LA CIOPR.

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PROJECT TILE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

J.O.G. ENGINEERING CORP.

DWG. TITLE

Site Improvements Details

CLIENT: Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT #: xx-xx

PROJECT PHASE: Advanced Print - 90%

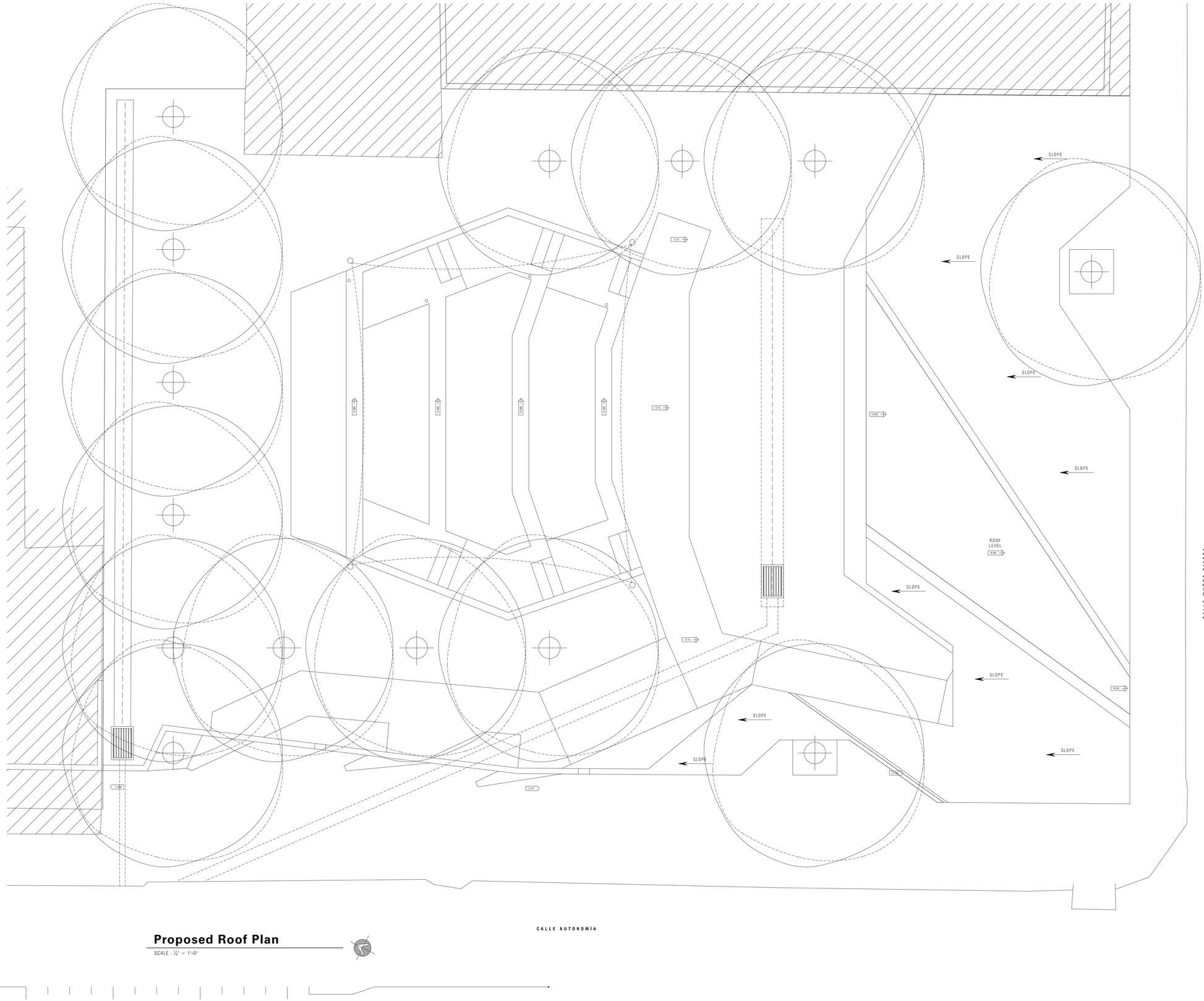
SHEET #: 7

DRAWN BY: krs

DATE: 16.xii.2022

DISCIPLINE

SI-1.1



Proposed Roof Plan

SCALE : ¼" = 1'-0"

Notes:

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REVISIONS

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1	05.ix.17	Explanation

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PROJECT TILE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

DWG. TITLE

Proposed Site Plan

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT # xx-xx

PROJECT PHASE
Advanced Print - 90%

SHEET # 8

DRAWN BY krs

DATE 16.xii.2022

DESCRIPTION

AS-1.0

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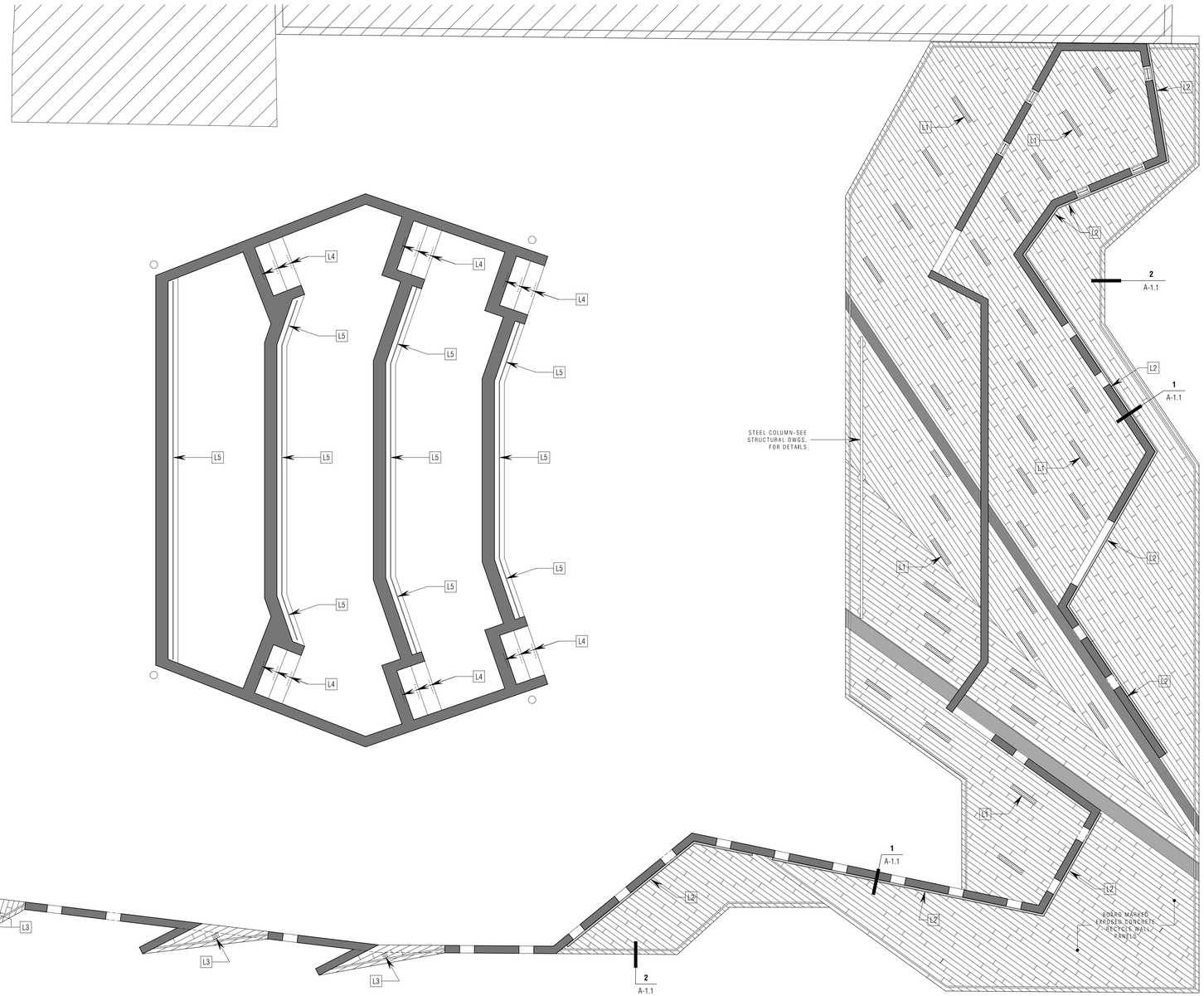
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REVISIONS			
1	05.ix.17	Explanation	
REV. #	DATE	ISSUING REASON	

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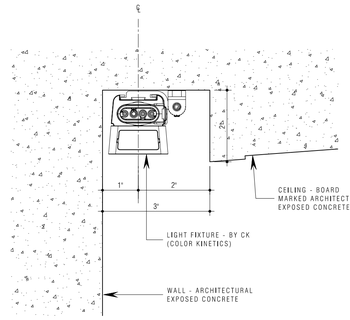
JOSUÉN MUÑOZ RIVERA, ARQUITECTO, LICENCIADO
TENGO CONOCIMIENTO QUE ESTE EL PROYECTO(NOMBRE) QUE DISEÑÉ, CONFECCIONÉ Y PREPARÉ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS, TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CABALMENTE CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES EN LAS AGENCIAS, JUNTAS REGLAMENTADORAS O COMPETENCIAS QUE TENGAN JURISDICCIÓN SOBRE LA OBRA. ESTOS PLANOS Y ESPECIFICACIONES CUMPLEN CABALMENTE CON LAS DISPOSICIONES APLICABLES DE LA LEY NÚMERO 96 DEL 6 DE JULIO DE 1988, SEGÚN ENMENDADA, POR LA LEY NÚMERO 96 DEL 6 DE JULIO DE 1988, SEGÚN ENMENDADA, POR LAS LEYES NÚMS. 113 DEL 11 DE JULIO DE 1991, SEGÚN ENMENDADA Y 76 DEL 5 DE AGOSTO DE 2000, SEGÚN ENMENDADA, Y LA LEY NÚMERO 45 DEL 18 DE ABRIL DE 1998, SEGÚN ENMENDADA, CONOCIDA COMO LA "LEY PARA REGULAR EL USO DE LA PROFESIÓN DE ARQUITECTURA Y ESPECIFICACIONES DISPUESTAS EN LA LEY NÚMERO 173 DEL 12 DE AGOSTO DE 1988, SEGÚN ENMENDADA, CONOCIDA COMO LA "LEY PARA REGULAR EL EJERCICIO DE LA INGENIERÍA EN PUERTO RICO" Y CUMPLIENDO CON LAS DISPOSICIONES APLICABLES DE LA LEY NÚMERO 76 DEL 5 DE AGOSTO DE 2000, SEGÚN ENMENDADA, CONOCIDA COMO LA "LEY PARA REGULAR EL EJERCICIO DE LA PROFESIÓN DE ARQUITECTURA Y LA INGENIERÍA EN PUERTO RICO". HE REVISADO ESTOS PLANOS Y ESPECIFICACIONES Y POR CONSIGUIENTE, ME HAGO RESPONSABLE DE QUE EST



Reflected Ceiling Plan

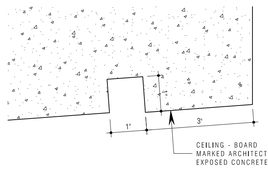
SCALE : 3/8" = 1'-0"

LIGHT FIXTURE SCHEDULE			
ID	DESCRIPTION	LOCATION	QTY
L-1	4"X24" SLOT 4 LED - BY MARK ARCHITECTURAL LIGHTING	CEILING	33
L-2	GRAZE COMPACT POWERCORE - BY COLOR KINETICS	CEILING - ALONG EXT. WALL - SEE PLAN FOR DET.	104 L.F.
L-3	4"X4" - SLOT 4 LED - BY MARK ARCHITECTURAL LIGHTING	CEILING -ENTRANCES	4
L-4	HSL-13 - STEP LIGH BY HDRELL	RISERS	18
L-5	LINEAR LIGHTING - NEONFLEX - PRO V - BY AMERICAN LIGHTING	UNDER CONC. SEATS	100 L.F.



Fixture Detail 1

SCALE : 6" = 1'-0" A-1.1



Drip Detail 2

SCALE : 6" = 1'-0" A-1.1

General Notes

1. CONTRACTOR SHALL RECYCLE ALL LAMINATED BOARDS USED DURING WALL CONSTRUCTION.
2. THE CONTRACTOR SHALL CUT 4" STRIPS, AT RANDOM LENGTHS, NON OF WHICH CAN BE THE PANEL LENGTH.
3. ALL MATERIAL TO BE RECYCLES, SHALL NOT BE CLEANED OF ANY CEMENT BUT WILL BE SELECTED TO FROM ANY DINGS AND/OR SEVERE WARPING.
4. CONTRACTOR SHALL PROTECT ALL RECYCLED MATERIAL AS NOT HAVE TO PURCHASE ANY ADDITIONAL MATERIAL.

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REVISIONS

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1	05.ix.17	Explanation

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PLANOS Y LAS ESPECIFICACIONES COMPLEMENTA-
RIAS, TAMBIEN CERTIFIQUE QUE ENTIENDO QUE DICHOS
PLANOS Y ESPECIFICACIONES CUMPLEN CABALMENTE
CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUC-
CIÓN VIGENTES EN LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES
PÚBLICAS QUE TENGAN JURISDICCIÓN SOBRE LA OBRA."
"ESTOS PLANOS Y ESPECIFICACIONES CUMPLEN CABALMENTE CON LAS DISPOSICIONES DE LA LEY NÚMERO 96 DEL 6 DE JULIO DE 1988, SEGÚN ENMENDADA, POR LA LEY NÚMERO 96 DEL 6 DE JULIO DE 1988, SEGÚN ENMENDADA."
"EL SUSCRITO QUE SUSCRIBE ESTE DOCUMENTO O POR MEDIO DE LA PRESENTE, HACE CONSTAR QUE LOS PLANOS, ESPECIFICACIONES Y/O DOCUMENTOS ANEJOS SOMETIDOS CON ESTE SELLO PROFESIONAL SON PROPIEDAD INTELECTUAL DE JOSUÉN MUNIRUZ ARTÍCULO 1(E)(VIII) Y NO PUEDEN SER REPRODUCIDOS, MODIFICADOS O UTILIZADOS EN OTRO PROYECTO SIN EL CONSENTIMIENTO ESCRITO DE JOSUÉN MUNIRUZ ARTÍCULO 1(E)(VIII)."
"ESTOS PLANOS Y ESPECIFICACIONES CUMPLEN CABALMENTE CON LAS DISPOSICIONES DE LA LEY NÚMERO 96 DEL 6 DE JULIO DE 1988, SEGÚN ENMENDADA, POR LA LEY NÚMERO 96 DEL 6 DE JULIO DE 1988, SEGÚN ENMENDADA."
"EL SUSCRITO QUE SUSCRIBE ESTE DOCUMENTO O POR MEDIO DE LA PRESENTE, HACE CONSTAR QUE LOS PLANOS, ESPECIFICACIONES Y/O DOCUMENTOS ANEJOS SOMETIDOS CON ESTE SELLO PROFESIONAL SON PROPIEDAD INTELECTUAL DE JOSUÉN MUNIRUZ ARTÍCULO 1(E)(VIII) Y NO PUEDEN SER REPRODUCIDOS, MODIFICADOS O UTILIZADOS EN OTRO PROYECTO SIN EL CONSENTIMIENTO ESCRITO DE JOSUÉN MUNIRUZ ARTÍCULO 1(E)(VIII)."
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PROJECT TILE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

SHEL TITLE

Reflected Ceiling & Lighting Layout Plan

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT # xx-xx

TARGUET PHASE Advanced Print - 90%

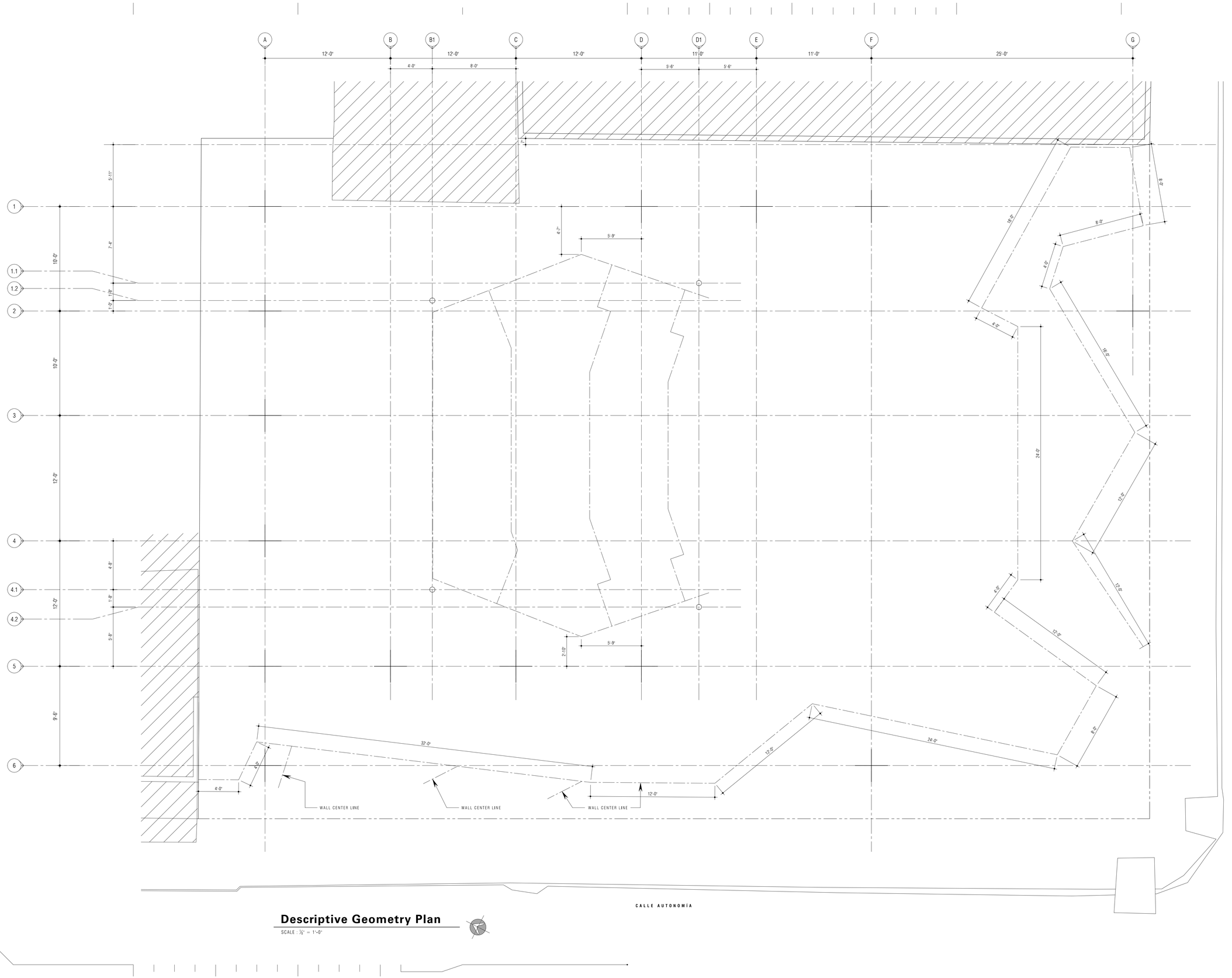
SHEET # 10

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DATE 16.xii.2022

DISCIPLINE

A-1.1



Descriptive Geometry Plan

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

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REV. #	DATE	ISSUING REASON
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PROJECT TILE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

DWG. TITLE

Descriptive Geometry Plan

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT #
xx-xx

PROJECT PHASE
Advanced Print - 90%

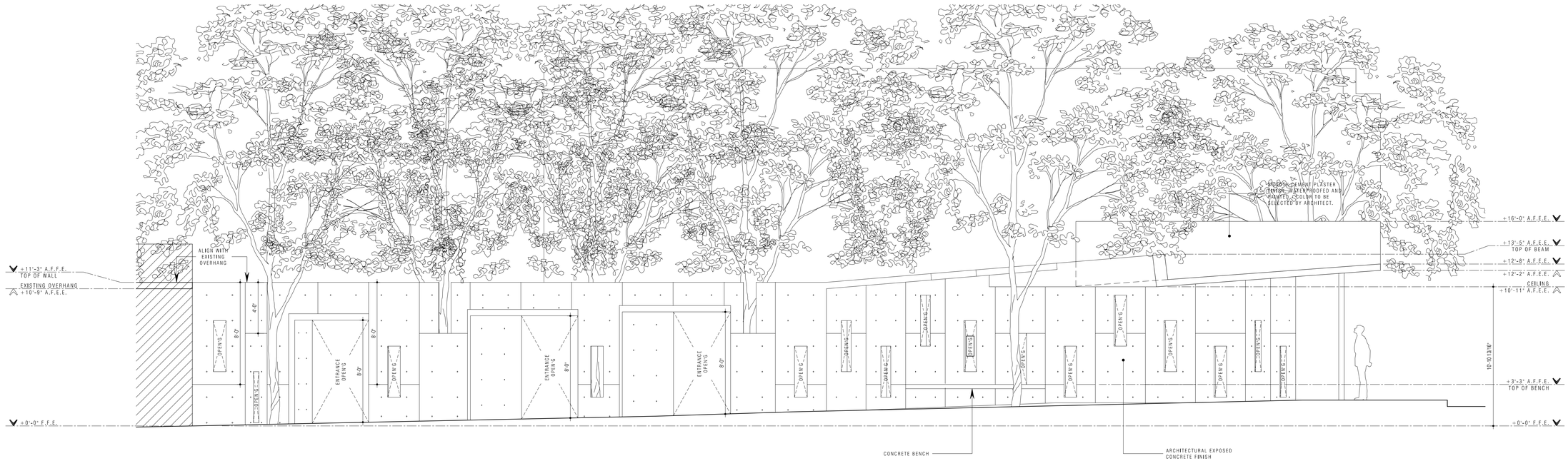
SHEET #
11

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krs

DATE
16.xii.2022

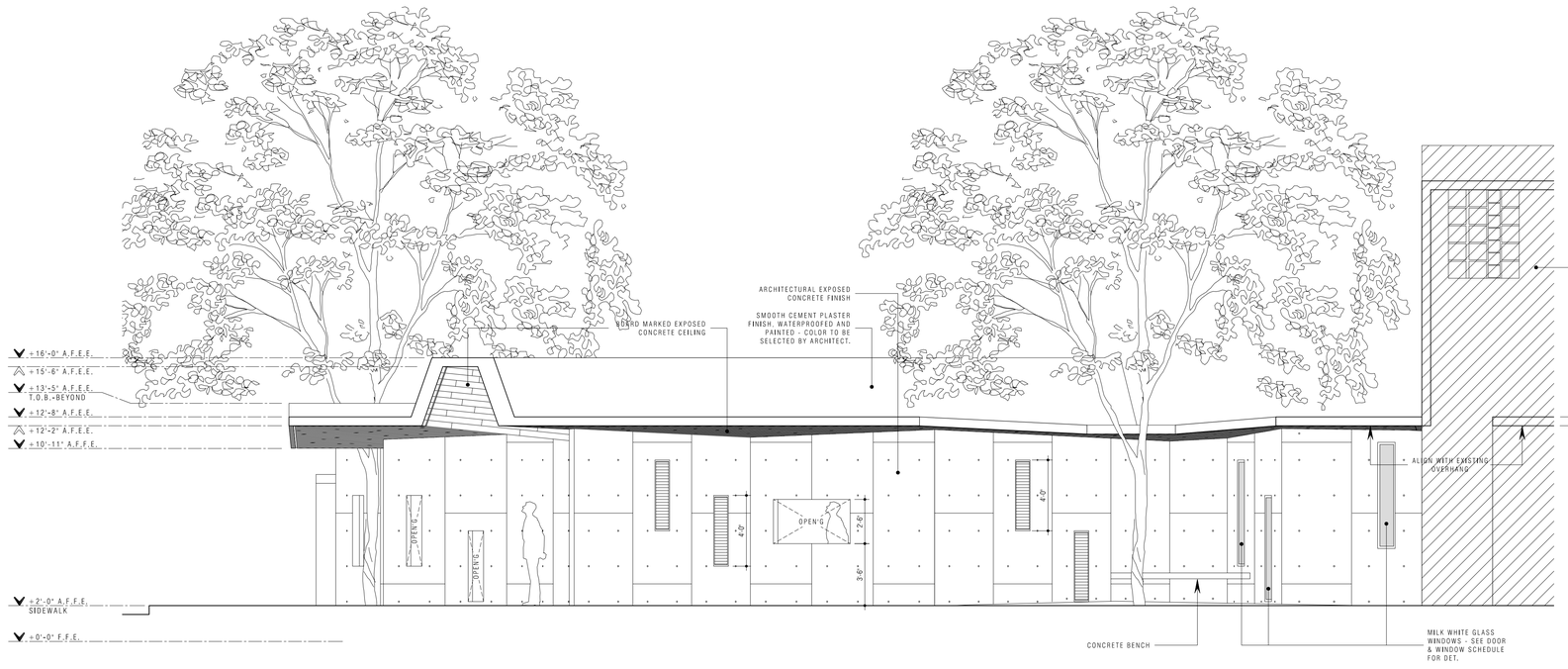
DISCIPLINE

A-1.2



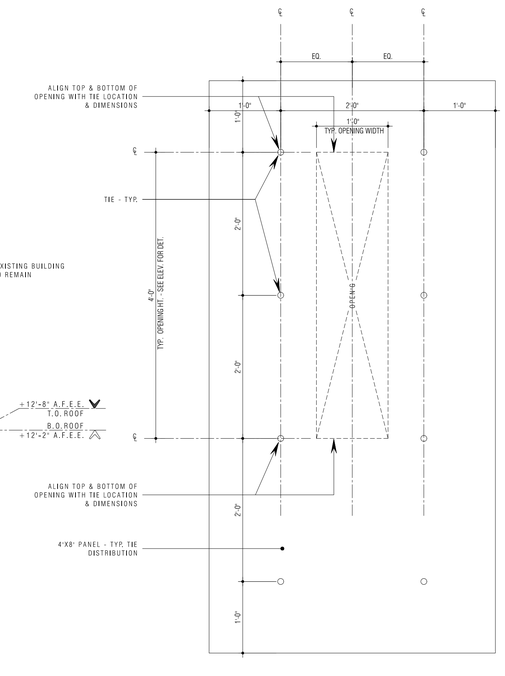
West Elevation A

SCALE : ¼" = 1'-0" A-2.1



South Elevation B

SCALE : ¼" = 1'-0" A-2.0



Typ. Panel & Opening Placement B

SCALE : ¼" = 1'-0" A-2.0

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REVISIONS		
1	05.ix.17	Explanation
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PROJECT TILE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

DWG. TITLE

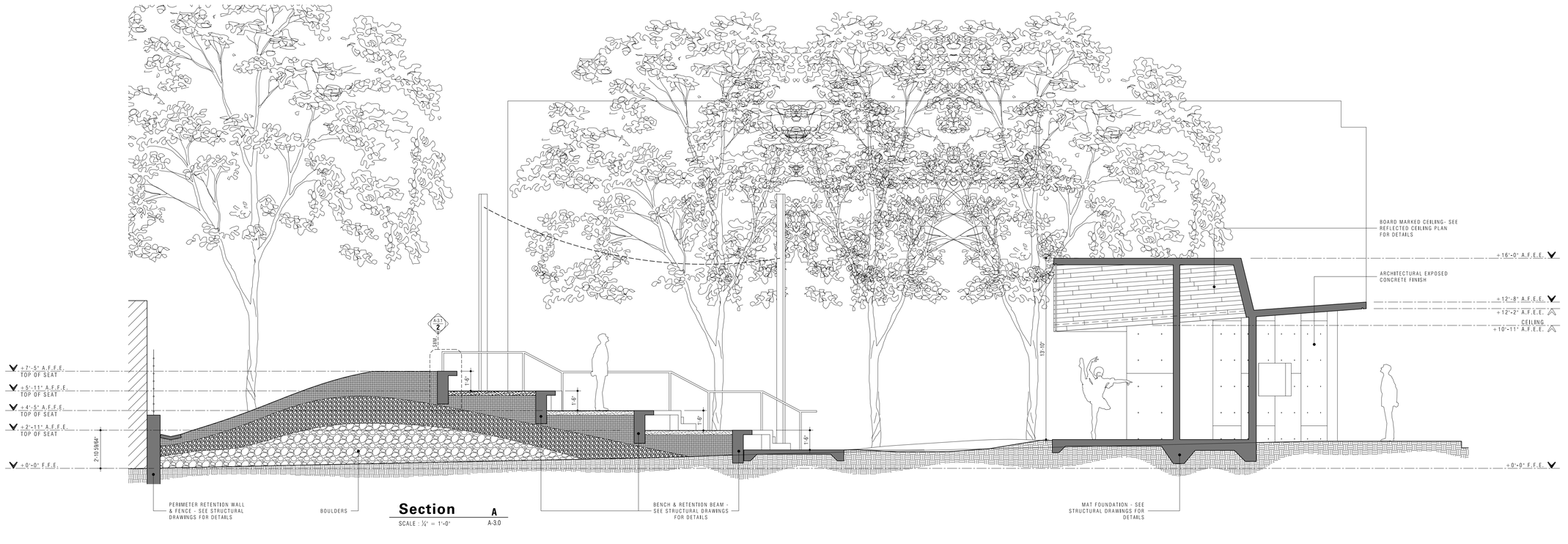
Elevations

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT #	PROJECT PHASE
xx-xx	Advanced Print - 90%
SHEET #	DRAWN BY / DATE
12	krs / 16.xii.2022

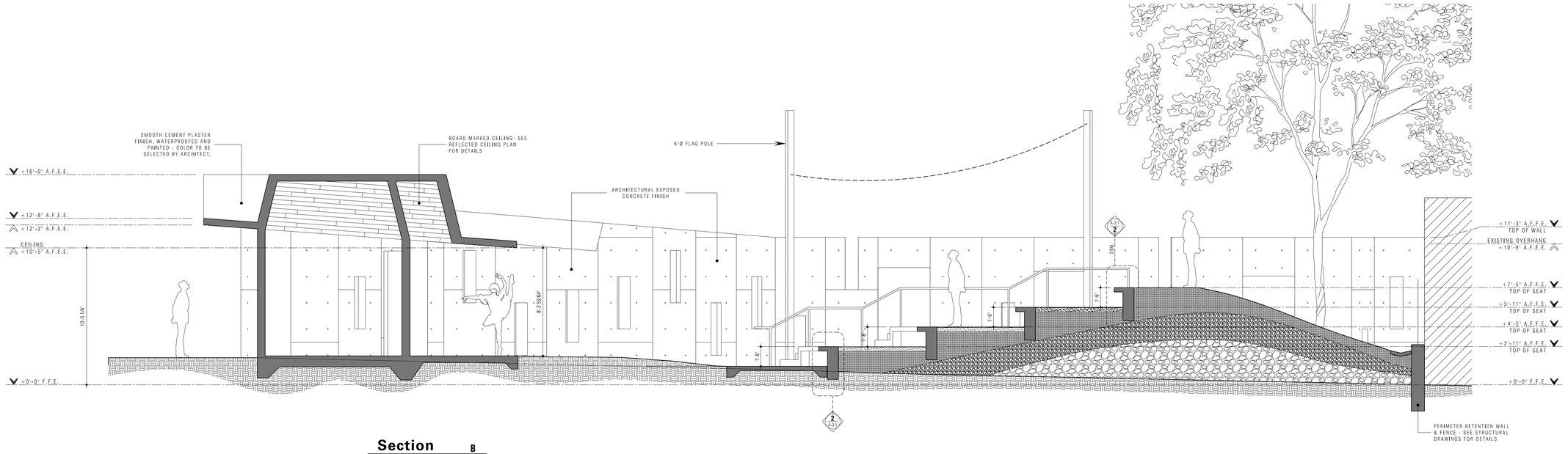
DISCIPLINE

A-2.0



Section A

SCALE : ¼" = 1'-0" A-3.0



Section B

SCALE : ¼" = 1'-0" A-3.0

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CONSULTANT

DWG. TITLE

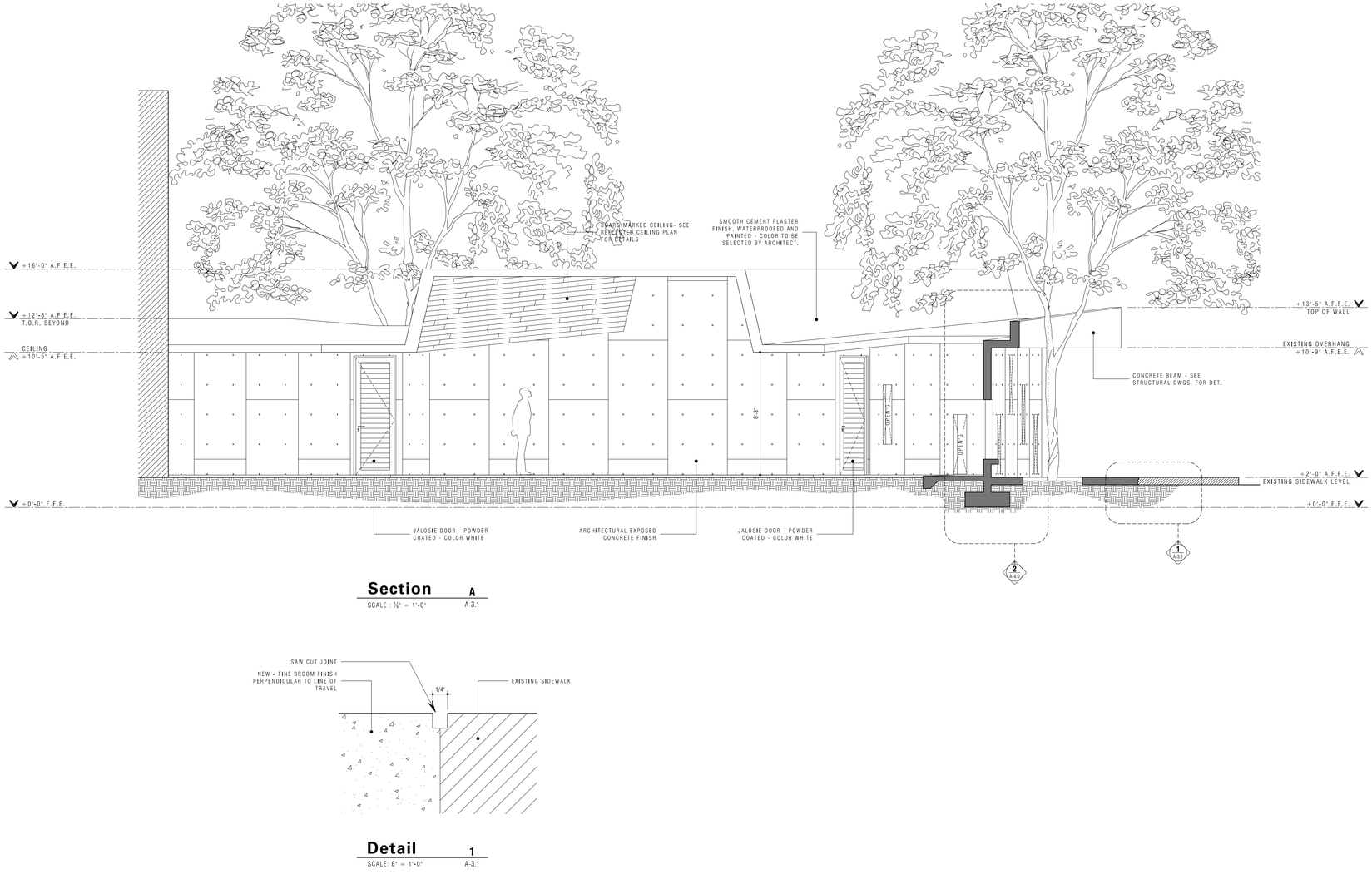
Sections

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT #	PROJECT PHASE
xx-xx	Advanced Print - 90%
SHEET #	DRAWN BY / DATE
13	krs / 16.xii.2022

DISCIPLINE

A-3.0



Section A

SCALE : ½" = 1'-0" A-3.1

Detail 1

SCALE: 6" = 1'-0" A-3.1

Notes:

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4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.

5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS

REV. #	DATE	ISSUING REASON
1	05.ix.17	Explanation

PROFESSIONAL SEAL

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Carolina, PR, 00979 - Office Tel: +1 (787) 256-0830
e-mail: info@informationstudio.com

PROJECT TILE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

DWG. TITLE

Section & Details

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT # xx-xx

PROJECT PHASE Advanced Print - 90%

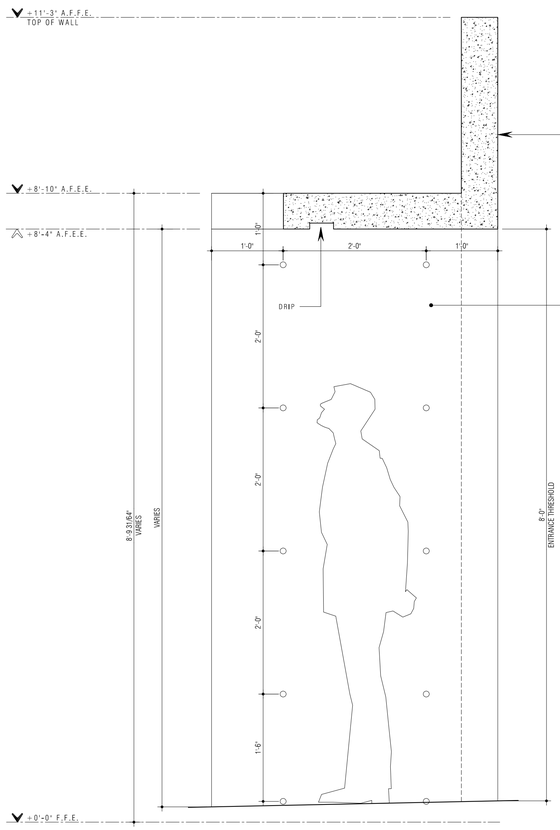
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DRAWN BY krs

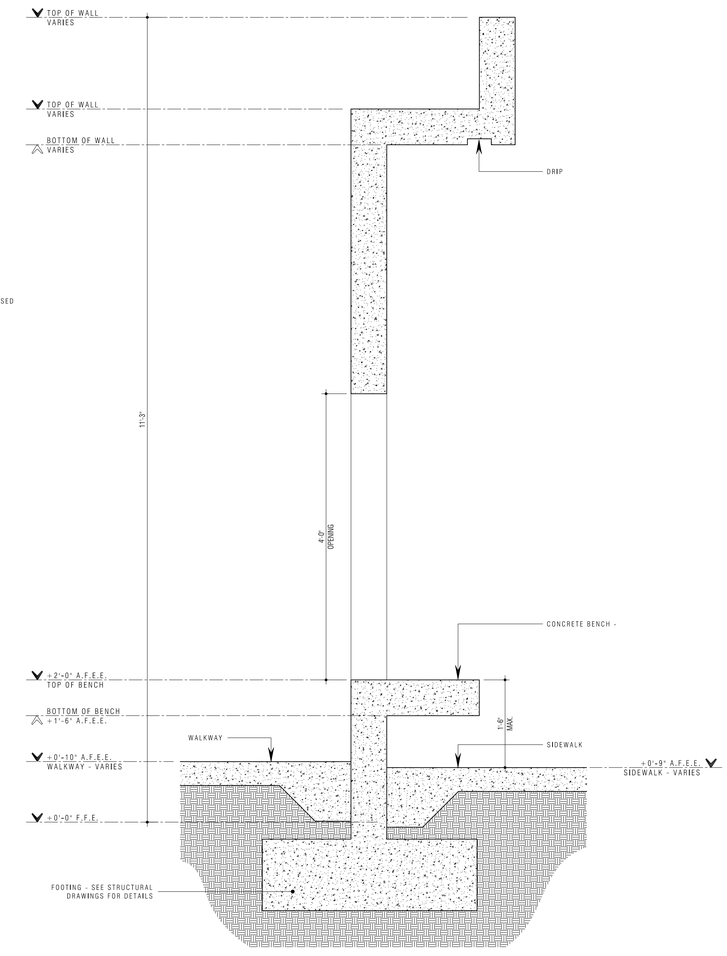
DATE 16.xii.2022

DISCIPLINE

A-3.1



Section 1
SCALE: 1" = 1'-0" A-4.0



Section 1
SCALE: 1" = 1'-0" A-4.0

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REVISIONS

REV. #	DATE	ISSUING REASON
1	05.ix.17	Explanation

PROFESSIONAL SEAL

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TÍTULO CERTIFICO QUE SOY EL PROFESIONAL
QUE DISEÑÓ, CONFECCIONÓ Y PREPARÓ ESTOS
PLANOS Y LAS ESPECIFICACIONES COMPLEMENTA-
RIAS. YO, FIRMADO CERTIFICO QUE ENTIENDO QUE DICHOS
PLANOS Y ESPECIFICACIONES CUMPLEN CABALMENTE
DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUC-
CIÓN VIGENTES DE LAS AGENCIAS. JUNTAS REGLAMENTADORAS O COMPETENCIAS
LOCALES Y DEL GOBIERNO FEDERAL. ESTOS PLANOS Y ESPECIFICACIONES
FUERON PREPARADOS BAJO MI SUPERVISIÓN DIRECTA Y CON LA DEBIDA
DILIGENCIA PROFESIONAL. ESTOS PLANOS Y ESPECIFICACIONES CUMPLEN CABALMENTE
CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN
VIGENTES EN LA JURISDICCIÓN DONDE SE CONSTRUIRÁ EL PROYECTO. ESTOS PLANOS Y ESPECIFICACIONES
FUERON PREPARADOS BAJO MI SUPERVISIÓN DIRECTA Y CON LA DEBIDA DILIGENCIA PROFESIONAL. ESTOS PLANOS Y ESPECIFICACIONES CUMPLEN CABALMENTE CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES EN LA JURISDICCIÓN DONDE SE CONSTRUIRÁ EL PROYECTO. YO, LOS FIRMANTES QUE SUSCRIBEN, POR MI MISMO, MIS AGENTES Y EMPLEADOS, O POR CUALQUIER PERSONA QUE ACTÚE EN NUESTRO NOMBRE O POR NUESTRA AUTORIDAD, POR LA PRESENTE, DECLARAMOS Y CERTIFICAMOS QUE LOS PLANOS Y ESPECIFICACIONES PREPARADOS POR NOSOTROS O BAJO NUESTRA SUPERVISIÓN DIRECTA Y CON LA DEBIDA DILIGENCIA PROFESIONAL CUMPLEN CABALMENTE CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES EN LA JURISDICCIÓN DONDE SE CONSTRUIRÁ EL PROYECTO. YO, LOS FIRMANTES QUE SUSCRIBEN, POR MI MISMO, MIS AGENTES Y EMPLEADOS, O POR CUALQUIER PERSONA QUE ACTÚE EN NUESTRO NOMBRE O POR NUESTRA AUTORIDAD, POR LA PRESENTE, DECLARAMOS Y CERTIFICAMOS QUE LOS PLANOS Y ESPECIFICACIONES PREPARADOS POR NOSOTROS O BAJO NUESTRA SUPERVISIÓN DIRECTA Y CON LA DEBIDA DILIGENCIA PROFESIONAL CUMPLEN CABALMENTE CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES EN LA JURISDICCIÓN DONDE SE CONSTRUIRÁ EL PROYECTO. YO, LOS FIRMANTES QUE SUSCRIBEN, POR MI MISMO, MIS AGENTES Y EMPLEADOS, O POR CUALQUIER PERSONA QUE ACTÚE EN NUESTRO NOMBRE O POR NUESTRA AUTORIDAD, POR LA PRESENTE, DECLARAMOS Y CERTIFICAMOS QUE LOS PLANOS Y ESPECIFICACIONES PREPARADOS POR NOSOTROS O BAJO NUESTRA SUPERVISIÓN DIRECTA Y CON LA DEBIDA DILIGENCIA PROFESIONAL CUMPLEN CABALMENTE CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES EN LA JURISDICCIÓN DONDE SE CONSTRUIRÁ EL PROYECTO.

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e-mail: info@informationstudio.com

PROJECT TILE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

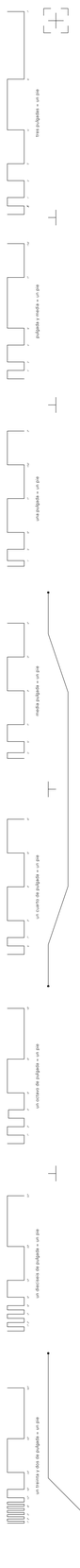
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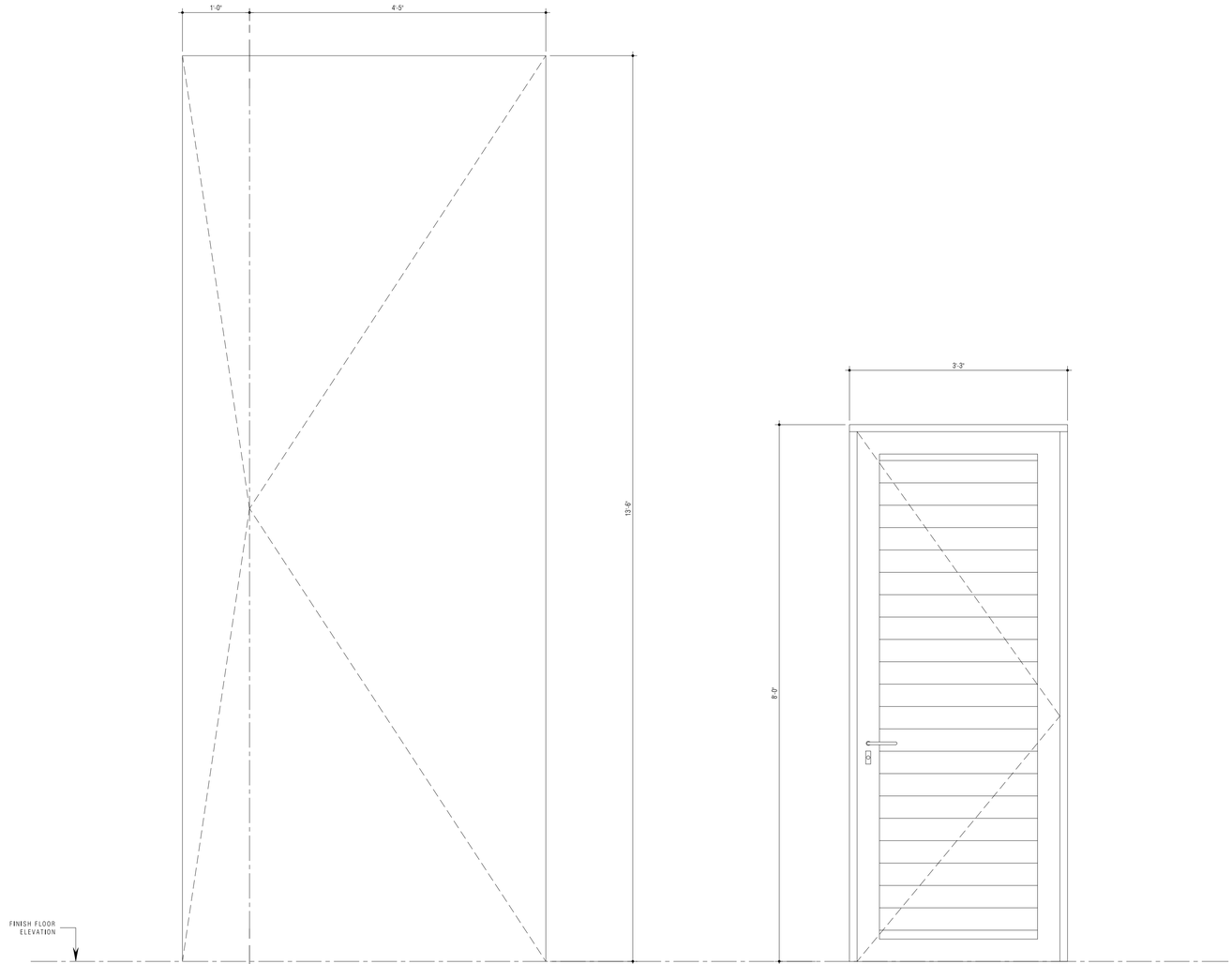
Sections

CLIENT
Municipality of Canóvanas -
Hon. Lornna J. Soto

PROJECT # xx-xx
PROJECT PHASE Advanced Print - 90%
SHEET # 15
DRAWN BY krs
DATE 16.xii.2022
DISCIPLINE

A-4.0





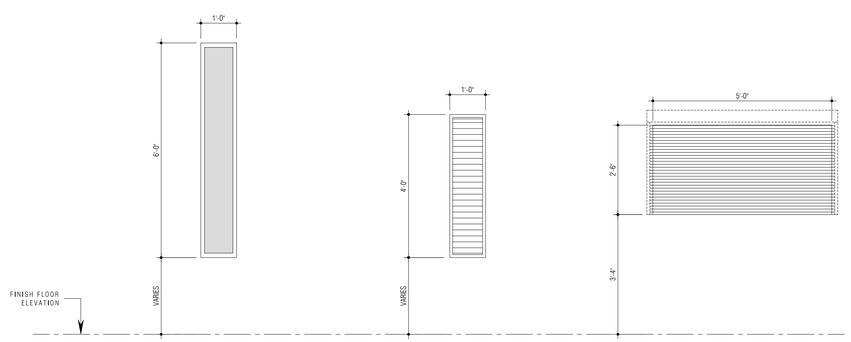
Doors

CTSD 1
COR-TEN STEEL DOOR

QUANTITY: 1

Door 2
ALUMINUM JALOUSIE DOOR - WHITE POWDER COATED

QUANTITY: 2



Windows

AFFGW A
FULL FIXED GLASS WINDOW - MILK WHITE - ALUMINUM POWDER COATED - WHITE

QTY: 5

AJW B
JALOUSIE WINDOW - ALUMINUM - POWDER COATED WHITE

QTY: 4

RD C
ROLL-UP DOOR - WHITE

QTY: 1

Notes:

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REVISIONS

REV. #	DATE	ISSUING REASON
1	05.ix.17	Explanation

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PROJECT TILE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

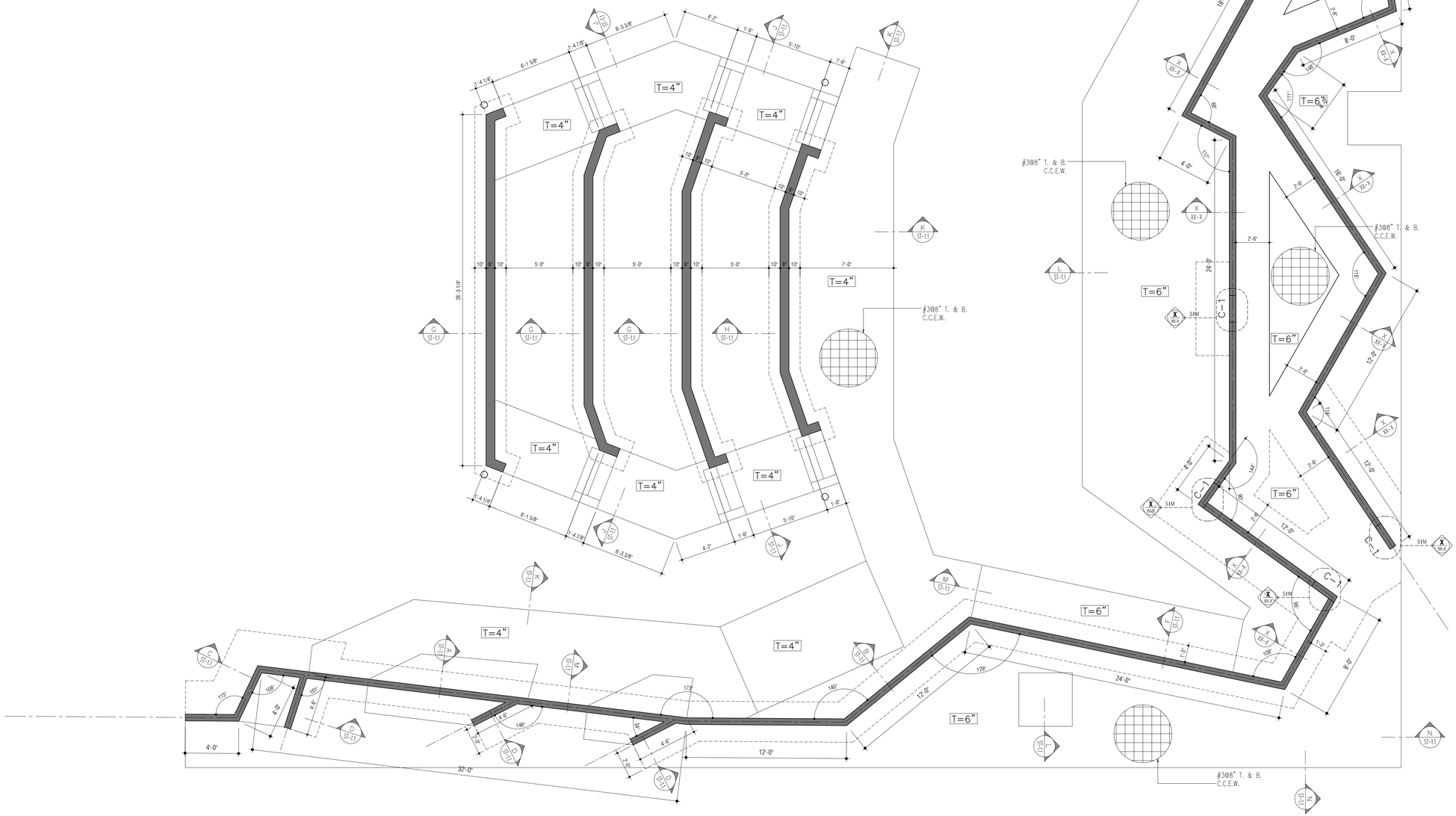
DWG. TITLE

Door & Window Schedule

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT #: xx-xx
PROJECT PHASE: Advanced Print - 90%
SHEET #: 16
DRAWN BY: krs
DATE: 16.xii.2022
DRAWING

A-6.0



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REVISIONS

REV. #	DATE	ISSUING REASON
1	05.iv.17	Explanation

PROFESSIONAL SEAL

CERTIFICACIÓN - CERTIFICATE - FORM NAME

SEC.
DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUC-
CIÓN VIGENTES DE LAS AGENCIAS. JUNTAS REGLAMENTADORAS O CORPORACIONES
PÚBLICAS
QUE SEAN
E S T A B L E -
CIDOS DE AM-
BITO LOCAL
Y PARA EL
ESTADO LI-
BRE ASOCIA-
DO DE PUER-
TO RICO.

C E R T I F I C A C I Ó N
PARA LA
OBTENCIÓN
DE PERMISO
DE CONSTRUC-
CIÓN

C E R T I F I C A T E
FOR BUILDING
PERMIT

F O R M _ N A M E
FORMULARIO O SOLICITUD
PARA PERMISO DE CONSTRUC-
CIÓN

JURISDICCIÓN, CERTIFICO;
QUE LOS PLANOS Y ESPECIFICA-
CIONES SOMETIDOS CUMPLEN CABALMENTE
CON LAS DISPOSICIONES DE LA REGLAMENTACIÓN VIGENTE
ANTERIORMENTE CITADAS.

JURISDICTION, I CERTIFY;
THAT THE PLANS AND SPECIFICATIONS
SUBMITTED COMPLY FULLY WITH THE
REGULATIONS IN FORCE AT
THE TIME OF
DESIGN ENDORSED.

E N D O R S E
P O R _ L A
PERSONA QUE CALCULÓ
LOS PLANOS Y ESPECIFICACIONES
SOMETIDOS PARA PERMISO
DE CONSTRUCCIÓN.

E N D O R S E D
B Y _ T H E
PERSON WHO
CALCULATED
THE DRAWINGS
AND SPECIFICATIONS
SUBMITTED FOR
CONSTRUCTION
PERMIT.

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PROJECT TILE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

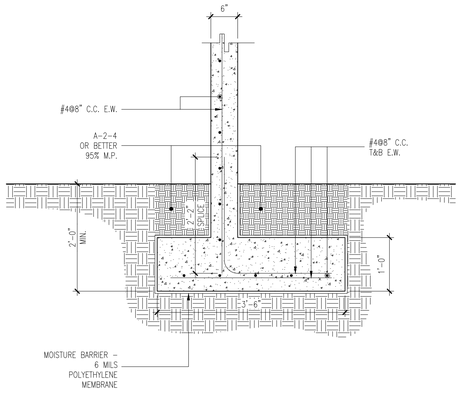
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Foundation Plan

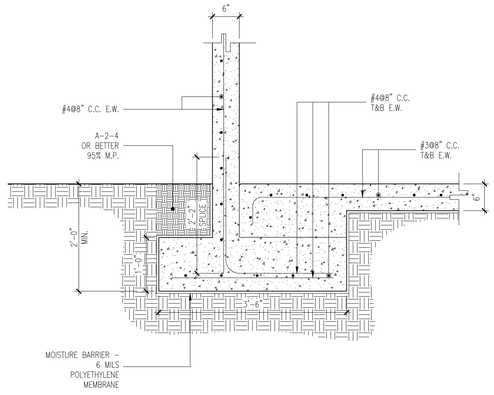
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Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT #	PROJECT PHASE
xx-xx	Advanced Print - 30%
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6	krs / 16.xii.2022

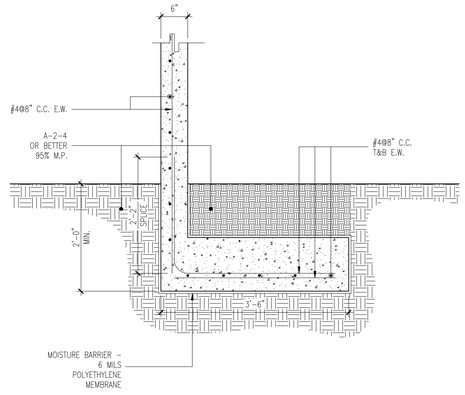
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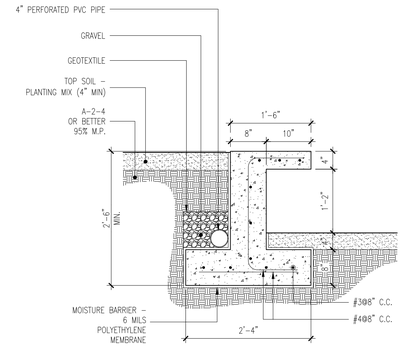
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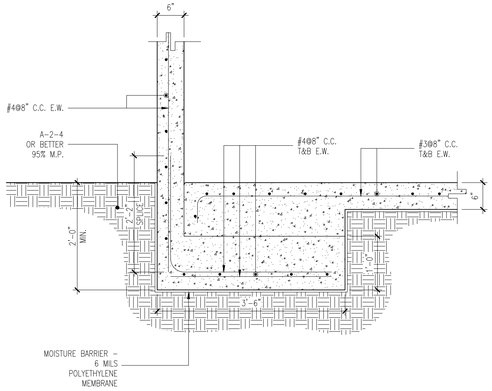
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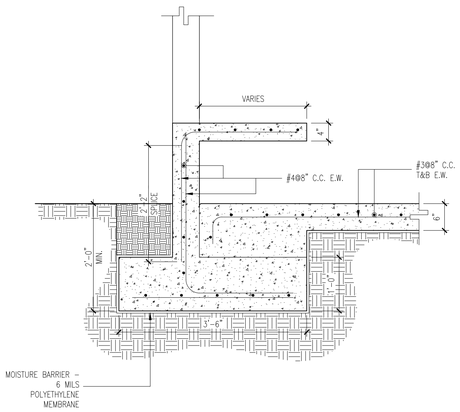
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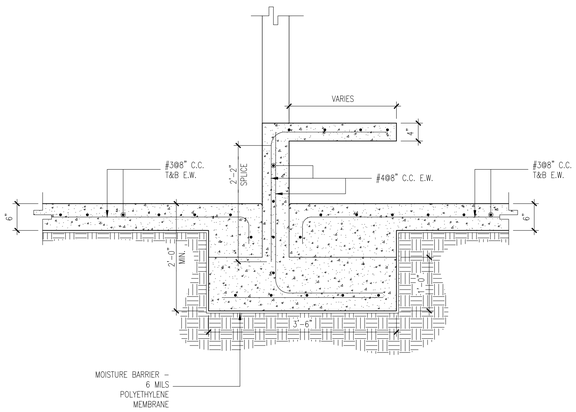
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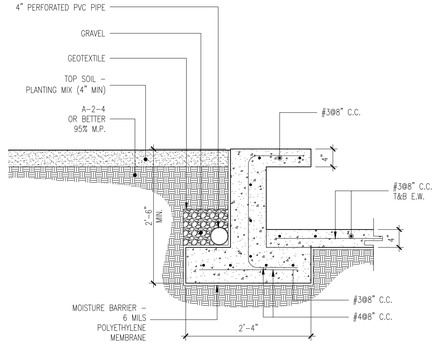
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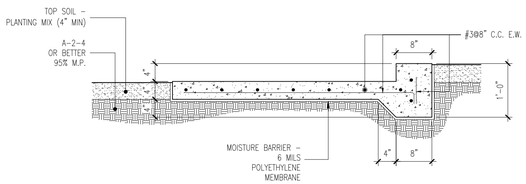
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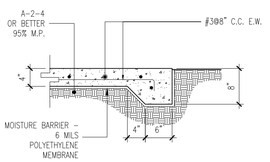
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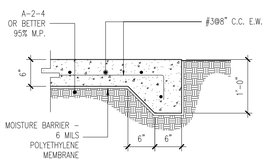
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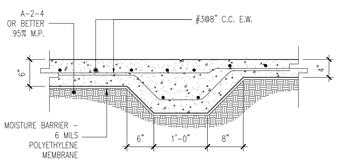
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FOOTING SECTION — L — ST-1.1
SCALE=3/4"=1'-0"



FOOTING SECTION — M — ST-1.1
SCALE=3/4"=1'-0"

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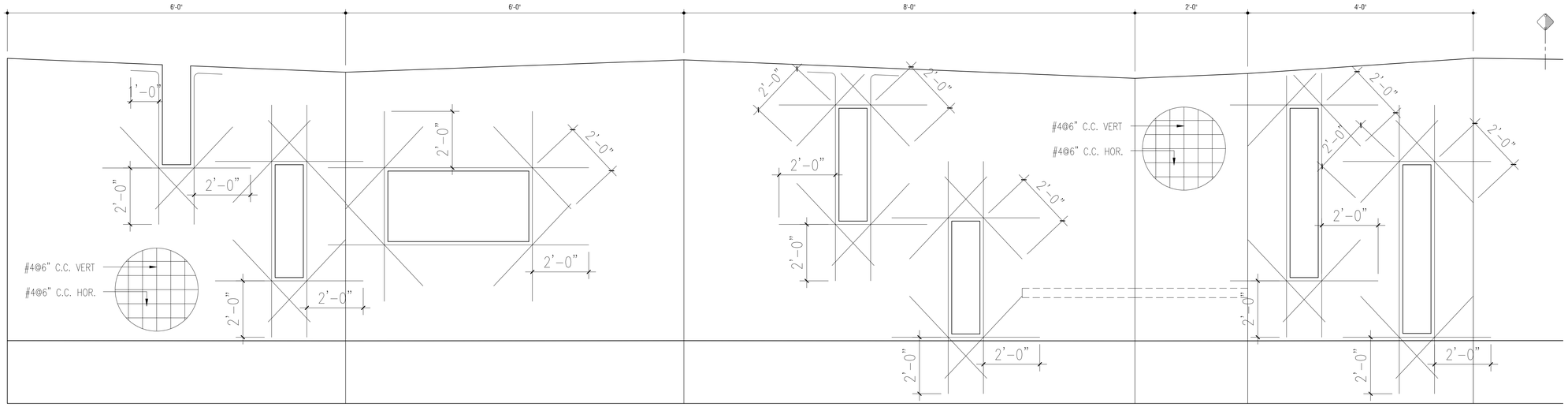
REVISIONS:

REV. #	DATE	ISSUING REASON
1	05/ix.17	Explanation

PROFESSIONAL SEAL:

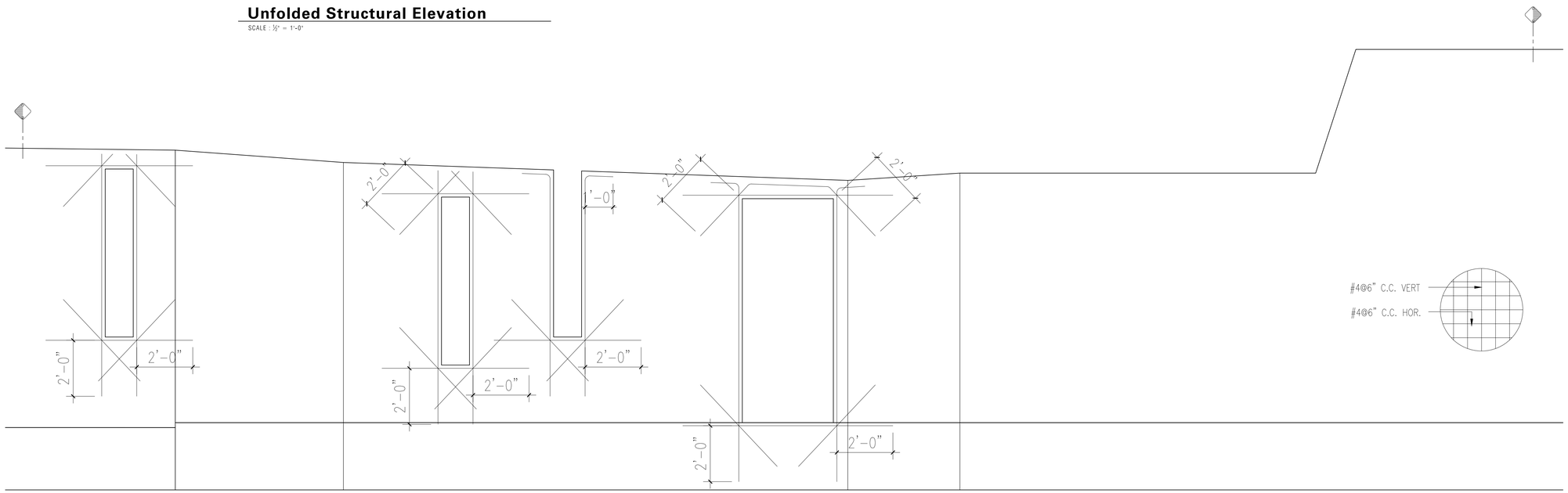
CERTIFICACIÓN - COPYRIGHTS - FIRM NAME:

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SEC. [illegible]
DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUC-
CIÓN VIGENTES DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES
PÚBLICAS [illegible]
C O N
E S T A
O B R A
CUMPLE DE MA-
NERA SUSTAN-
CIAL CON LAS
ESPECIFICA-
CIONES DE DI-
SEÑO Y CONS-
TRUCCIÓN DE
LA [illegible]
ESTRUCTURA-
LES, ANO-
MALÍAS Y/O
OMISIONES
QUE PUEDAN
SURGIR DE
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Unfolded Structural Elevation

SCALE : ½" = 1'-0"



Unfolded Structural Elevation Cont.

SCALE : ½" = 1'-0"

Notes:

1.0 Do not scale dimensions from drawings. Dimensions govern.

2.0 All dimensions are in feet and inches, unless noted otherwise.

3.0 The contractor shall check all dimensions, levels and angles on site prior to commencing any work.

4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.

5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS:

REV. #	DATE	ISSUING REASON
1	05/x/17	Explanation

PROFESSIONAL SEAL:

CERTIFICACIÓN - COPYRIGHTS + NOM NAME

V. 0
PLANOS PRELIMINARES NO PARA CONSTRUCCIÓN
PRELIMINARY DRAWINGS NOT FOR CONSTRUCTION

ESTOS PLANOS: ESPECIFICADOS Y PREPARADOS ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS CUMPLEN CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS, JUNTAS, REGLAMENTACIONES O CORPORACIONES PÚBLICAS QUE TENGAN JURISDICCIÓN. CERTIFICO: ESTOS PLANOS Y ESPECIFICACIONES CUMPLEN CABALMENTE CON LAS DISPOSICIONES REGLAMENTARIAS VIGENTES QUE ESTABLECE LA PROFESIÓN DE ARQUITECTURA Y EN LA LEY NÚMERO 96 DEL 9 DE JULIO DE 1978, ENMENDADA, RECONOCES QUE CUALQUIER ALTERACIÓN A ESTOS PLANOS SIN LA AUTORIZACIÓN ESCRITA Y CON LA FIRMA Y SELLO DE UN ARQUITECTO, O PERSONA AUTORIZADA POR LA LEY, PODRÁ ACARREAR LA NULIDAD DE ESTOS PLANOS. ESTE DIBUJO Y DISEÑO INCLUIDO EN ESTOS PLANOS, ESPECIFICACIONES Y COMPUTADORAS ES PROPIEDAD INTELECTUAL Y ESTÁ PROTEGIDO POR LAS LEYES DE DERECHOS DE AUTOR Y PROPIEDAD INTELECTUAL. NINGUNA PERSONA PODRÁ REPRODUCIR, PUBLICAR, EXHIBIR O UTILIZAR ESTOS PLANOS, ESPECIFICACIONES O DISEÑO SIN EL CONSENTIMIENTO POR ESCRITO DE in.formation studio.

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PROJECT TITLE & ADDRESS:

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT:

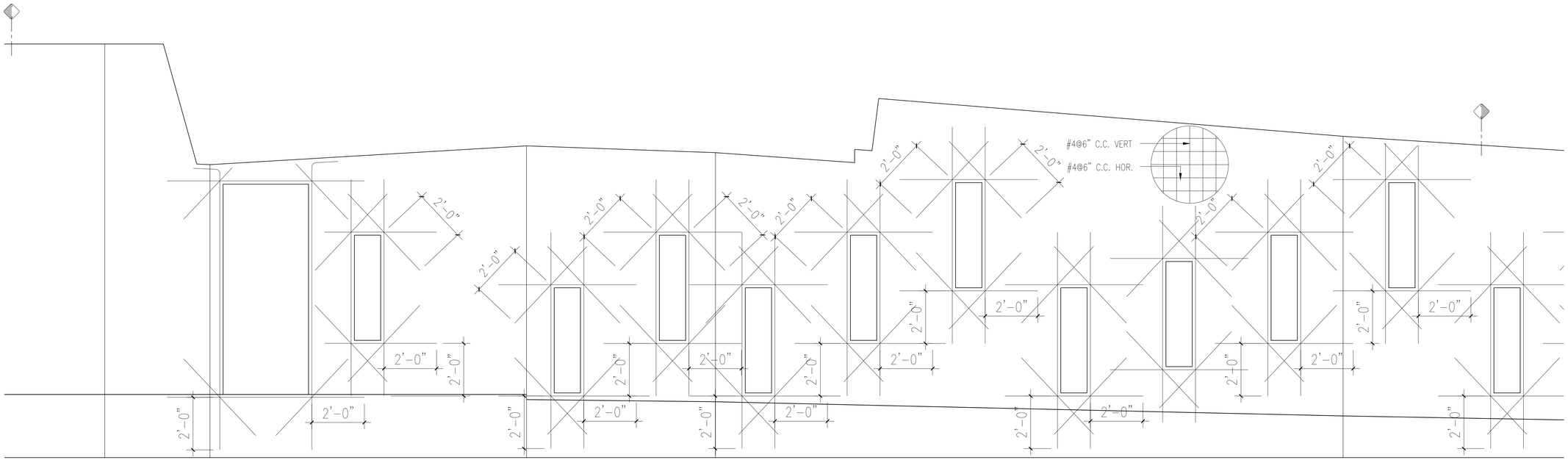
DWG. TITLE:

Structural Elevations

CLIENT:
Municipality of Canóvanas - Hon. Lornna J. Soto

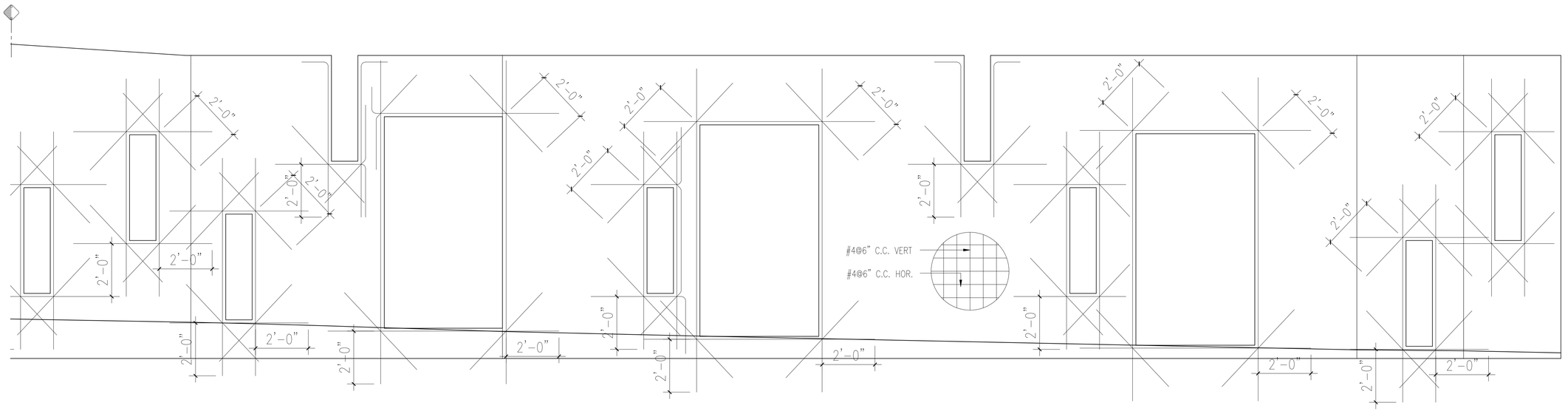
PROJECT #	PROJECT PHASE
xx-xx	Advanced Print - 30%
SHEET #	DRAWN BY / DATE
6	krs / 16.xii.2022

DRAWING:
ST-2.0



Unfolded Structural Elevation Cont.

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1	05/x.17	Explanation

PROFESSIONAL SEAL

CERTIFICACIÓN - CUTTYHUNTE - NEW NAME

SEAL

CERTIFICACIÓN: ESPECIFICADO Y PREPARADO SEGÚN PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS PREPARADAS BAJO MI SUPERVISIÓN. LOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CODIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS C O N

JURISDICCIÓN. CERTIFICO: QUE LOS PLANOS Y ESPECIFICACIONES HAN SIDO PREPARADOS Y ESPECIFICADOS CUMPLIDO CABALMENTE CON LAS LEYES Y REGLAMENTOS DE CONSTRUCCIÓN VIGENTES EN LA JURISDICCIÓN ANTES MENCIONADA. ESTOS PLANOS Y ESPECIFICACIONES HAN SIDO PREPARADOS POR LA PERSONA QUE SUSCRIBE ESTA CERTIFICACIÓN Y LOS NÚMEROS DE SELLO DE RECONOCIDO QUE EXHIBEN ESTOS DOCUMENTOS HAN SIDO EMITIDOS O POR NOSOTROS O BAJO NUESTRA SUPERVISIÓN. O POR UNA PERSONA BAJO MI CONTROL DIRECTO Y ESPECIFICACIONES HAN SIDO PREPARADOS Y ESPECIFICADOS POR MÍ O BAJO MI SUPERVISIÓN DIRECTA.

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PROJECT TIES & ADDRESS

Plaza de Artes Teatrales

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CONSULTANT

DWG. TITLE

Structural Elevations

CLIENT
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PROJECT #	PROJECT PHASE
xx-xx	Advanced Print - 30%
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DISCIPLINE

ST–2.1

STRUCTURAL NOTES, GENERAL DETAILS & DEMOLITION SEQUENCE

DESIGN & CONSTRUCTION WORK SHALL COMPLY WITH THE REQUIREMENTS AND PROVISION OF THE FOLLOWING CODES AND SPECIFICATIONS:

1. AMERICAN CONCRETE INSTITUTE
2. UNIFORM BUILDING CODE, UBC 1997
3. AMERICAN SOCIETY FOR TESTING AND MATERIALS
4. CONCRETE REINFORCING STEEL INSTITUTE
5. AMERICAN WELDING SOCIETY
6. AMERICAN INSTITUTE OF STEEL CONSTRUCTION

DESIGN LOADS:

1. GRAVITARY LIVE LOADS (100 PSF OPEN TERRACE) . . . . . UBC 1997
2. GRAVITARY LIVE LOADS (40 PSF ROOF) . . . . . UBC 1997
3. WIND LOADS. ASCE-7
4. EARTHQUAKE LOADS. . . . . UBC 1997

CAST-IN-PLACE REINFORCED CONCRETE:

1. CONCRETE SHALL HAVE A 28-DAY ULTIMATE COMPRESSIVE STRENGHT AS SET FORTH BELOW:

   A. WALLS, SLAB, BEAMS ..... 4,000 PSI.
   B. ALL OTHERS ..... 4,000 PSI.

2. SLUMP OF CONCRETE SHALL NOT EXCEED 4" UNLESS A HIGH RANGE WATER-REDUCING ADMIXTURE IS USED. THE SLUMP OF CONCRETE PRIOR TO ADDITION OF A HIGH RANGE WATER-REDUCING ADMIXTURE SHALL NOT EXCEED 4". THE SLUMP OF CONCRETE CONTAINING A HIGH RANGE WATER-REDUCING ADMIXTURE SHALL NOT EXCEED 10".
3. CONCRETE EXPOSED TO WEATHER SHALL BE AIR-ENTRAINED. AIR CONTENT SHALL BE BETWEEN 4 AND 8 PERCENT.
4. THE NOMINAL COARSE AGGREGATE SIZE SHALL BE A MINIMUN OF 3/4" IN ADVANCE OF CONCRETE PLACEMENT. CONCRETE MIX DESIGN SHALL
5. CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGNS FOR REVIEW WELL IN ADVANCE OF CONCRETE PLACEMENT. CONCRETE MIX DESIGN SHALL INCLUDE ALL STREGTH DATA NECESSARY TO SHOW COMPLIANCE WITH THE PROJECT SPECIFICATIONS FOR EITHER THE TRIAL BATCH OR FIELD EXPERIENCE METHOD AND SHALL BE CERTIFIED BY A REGISTERED LICENSED ENGINEER. PHYSICAL TESTS RESULTS FOR COARSE AND FINE AGGREGATES SHALL ALSO BE SUBMITED CERTIFIEDX BY A REGISTERED ENGINEER.
6. REINFORCING SHALL CONFORM TO ASTM A615, GR60, UNLESS NOTED OTHERWISE ON SPECS AND/OR DRAWINGS.
7. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
8. ALL REINFORCING SHALL BE DETAILED, FABRICATED AND PLACED, IN ACCORDANCE WITH ACI DETAILING MANUAL 1994 (SP-66)
9. ALL REINFORCING SHALL BE SUPPORTED IN FORMS USING STEEL CHAIRS, SPACED WITH NECESSARY ACCESSORIES AND SHALL BE SECURELY WIRED TOGETHER, IN ACCORDANCE WITH CRSI "MANUAL OF STANDAR PRACTICE" (1989).
10. MINIMUN CONCRETE COVER, UNLESS NOTED OTHERWISE, AS FOLLOWS: UNFORMED SURFACE IN CONTACT WITH THE GROUND . . . . . 3 IN.
    FORMED SUFACES EXPOSED TO EARTH OR WEATHER
    #6 BARS AND LARGER..... 2 IN.
    #5 BARS AND SMALLER..... 1-1/ IN.
    FORMED SURFACES NOT EXPOSED TO EARTH OR WEATHER:
    BEAMS, GIRDERS, COLUMNS, AND GRADE BEMAS.. 1-1/2 IN.
    SLABS, WALLS
    #11 BARS AND SMALLER..... 3/4 IN.
    #14 AND #18 BARS..... 1-1/2 IN.
11. LAP SPLICES SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE, UNLESS NOTED OTHERWISE, WHERE CLASSES ARE NOT CALLED OUT ON DRAWINGS, USE CLASS "C" SPLICES.

TENSION SPLICES (INCHES)							COMPRESSION SPLICES (INCHES)
BAR SIZE	TOP BARS A	B	C	OTHER BARS A	B	C	
#3	13	16	21	12	12	15	12
#4	17	22	29	12	16	20	15
#5	21	27	36	15	20	26	19
#6	27	35	46	19	25	32	23
#7	37	48	63	26	34	44	26
#8	48	63	82	35	46	60	30
#9	61	80	104	44	57	75	34
#10	78	101	132	56	73	95	38
#11	96	124	163	68	88	116	42

COMPRESSION DOWEL EMBEDMENT: 22 BAR DIAMETERS
LAP WELDED WIRE FABRIC ONE SPACING OF CROSS WIRES PLUS 2".

12. BASE PLATES, ANCHOR BOLTS, SUPPORT ANGLES, ETC., BELOW GRADE SHALL BE COVERED WITH A MINIMUM OF 3" OF CONCRETE.
13. CONCRETE WORK SHALL BE SUBJECT TO QUALITY ASSURANCE TESTING AND INSPECTIONS. SEE QUALITY ASSURANCE GENERAL NOTES AND PROJECT SPECIFICATIONS.
14. ALL SYMBOLS AND STRESSES AS WELL AS CONCRETE WORK SHALL CONFORM TO THE STANDARD OF THE AMERICAN CONCRETE INSTITUTE (ACI-318-95).
15. ALL SLAB AND CORRESPONDING BEAMS, CURBS, OR APRONS SHALL BE POURED MONOLITHICALLY.
16. ALL SLEEVES, CONDUITS, INSERTS AND BOLTS SHALL BE IN PLACE BEFORE CONCRETE IS POURED.
17. ALL OPENINGS IN CONCRETE WALLS SHALL BE REINFORCED AROUND WITH 2#5 BARS PLACED AT 2 INCHES FROM THE FACE AND EXTENDING 24 INCHES BEYOND CORNERS, UNLESS OTHERWISE SPECIFIED IN PLANS.
18. TEMPERATURE REINFORCEMENT SHALL BE PROVIDED IN ALL ONE WAY SLAB NORMAL TO THE PRINCIPAL REINFORCEMENT IN ACCORDANCE WITH ACI-318-95 BUILDING CODE.
19. FOR CONSTRUCTION JOINTS IN STRUCTURAL MEMBERS A VERTICAL BULKHEAD AND KEY JOINT MUST BE PROVIDED.
20. ALL NEGATIVE REINFORCEMENT (TOP REINF.) AND POSITIVE REINFORCEMENT, (BOTTOM REINF.) IN SLABS AND BEAMS SHALL BE EXTENDED BEYOND THE CENTER LINE OF THE END SUPPORTS IN ACCORDANCE WITH ACI-318-95 BUILDING CODE, UNLESS OTHERWISE SPECIFIED.
21. SLAB ON GROUND, AS INDICATED ON DRAWINGS.
22. FOR CONCRETE FORMWORK, SURFACE FINISHING, BEVELED CORNERS AND DRIPS, SEE ARCHITECTURAL PLANS.
23. PROVIDE DOWELS IN WALL AND COLUMN FOOTINGS EQUAL IN SIZE AND NUMBER TO VERTICAL REINFORCEMENT, EXTENDING A TENSION SPLICE LENGTH INTO WALL OR COLUMN AND 40 BAR DIAMETER INTO FOOTING. (THE LATERAL EMBEDMENT SHALL BE EXTENDED AS NECESSARY TO PROVIDE A MIMINUM HORIZONTAL LEG RESTING ON FOOTING REINFORCEMENT EQUAL TO THE CORRESPONDING "C" LENGTH FOR THE BAR SIZE.)
24. CONCRETE SHALL NOT BE DROPPED THROUGH REINFORCING STEEL (AS IN WALL) SO AS TO CAUSE SEGREGATION OF AGGREGATES IN SUCH CASES, HOOPERS OR VERTICAL CHUTES OR TRUNKS SHALL BE USED. THE FREE UNCONFINED FALL OF CONCRETE SHALL NOT EXCEED THE ABOVE REQUIREMENTS.
25. THE SIZE OF NAILS AND SIMILAR FASTENERS DRIVEN INTO CONCRETE SHALL BE SUCH, AS NOT TO CRACK OR IMPAIR IT. NEVERTHELESS, IF THE CONCRETE IS DAMAGED, IT SHALL BE PROPERLY REPAIRED AFTER REMOVING THE DAMAGED PORTION AND SUITABLE JOINT SURFACE ARE PROVIDED.
26. ALL FORMWORK FOR FLEXURAL MEMBERS SHALL BE BUILT WITH A CAMBER CORRESPONDING TO ITS WON DEFORMATION PLUS THE STRUCTURE DEAD LOAD DEFORMATIONS. IN DETERMINIG THE AMOUNT OF CAMBER, THE CONTRACTOR SHALL HAVE THE ASSISTANCE OF THE DESIGNER WHERE SO REQUESTED.
27. ALL CAST IN PLACE REINFORCED CONCRETE STRUCTURAL MEMBERS SHALL BE PROPERLY CURED IN ACCORDANCE WITH ACI-318-95 CHAPTER V.
28. ALL REINFORCING BARS SHALL BE HIGH TENSILE DEFORMED MEETING ASTM A-615 GRADE 60.
29. ALL LAPPING, BENDING AND PLACING OR REINFORCEMENT SHALL BE DONE IN ACCORDANCE WITH ACI-318-95 BUILDING CODE.

STRUCTURAL STEEL

1. STEEL SHALL CONFORM TO THE FOLLOWING GRADES:
   ALL WF, CHANNELS, ANGLES, PLATES, ETC. A36
   STRUCTURAL TUBE . . . . . A500 (Fy=46)
   STEEL PIPE . . . . . A53 (Fy=35)
   ANCHOR BOLTS AND UNFINISHED BOLTS A307
   BOLTS, NUTS AND WASHERS A325
   WELDING ELECTRODES . . . . . E333, CLASS E 7018XX
   UNLESS OTHERWISE CALL FOR IN DRAWINGS.
2. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC CODE OF STANDARD PRACTICE 1990). EXCEPT AS MODIFIED IN THESE NOTES AND THE PROJECT SPECIFICATIONS AND/OR DRAWINGS.
3. THE STEEL STRUCTURE IS A PARTIAL-SELF-SUPPORTING STEEL RIGID FRAME AND IS DEPENDENT UPON DIAPHRAGM ACTION OF THE METAL ROOF DECK AND ATTACHMENT TO THE MASONRY WALLS FOR STABILITY AND FOR RESISTANCE TO WIND AND SEISMIC FORCES. PROVIDE ALL TEMPORARY SUPPORTS REQUIRED FOR STABILITY AND FOR RESISTANCE TO WIND AND SEISMIC FORCES UNTIL THESE ELEMENTS ARE COMPLETED AND ARE CAPABLE OF PROVIDING THIS LATERAL SUPPORT.
4. THE FABRICATOR IS RESPONSIBLE FOR THE SHOP DRAWINGS OF ALL CONNECTONS. CONNECTIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE SCHEMATIC AND ARE ONLY INTENDED TO SHOW THE RELATIONSHIP OF MEMBERS CONNECTED. CONNECTION DETAILS INDICATED ON THE DRAWINGS SHALL BE INCORPORATED INTO FABRICATOR'S CONNECTION DESIGN. ALL SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY THE FABRICATOR'S ENGINEER WITH THE ENGINEER'S SEAL. ENGINEER'S MAY BE QUALIFIED "FOR DETAILING OF CONNECTIONS ONLY"
5. SPLICING OF STEEL MEMBERS, UNLESS SHOWN ON THE DRAWINGS, IS PROHIBITED WITHOUT WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
6. UNLESS NOTED OTHERWISE, BEAMS SHALL BEAR 8" MINIMUM ON CONCRETE OR MASONRY. UNLESS NOTED OTHERWISE, ANCHOR BEAMS TO MASONRY WITH TWO (2) 3/4" DIAMETER ANCHOR BOLTS WITH 4" HOOK AND 1'-4" EMBEDMENT.
7. STRUCTURAL STEEL WORK SHALL BE SUBJECT TO QUALITY ASSURANCE TESTING & INSPECTIONS. SEE QUALITY ASSURANCE GENERAL NOTES AND PROJECT SPECIFICATION. AISC, ASTM & AWS SPECIFICATIONS WILL GOVERN ALL STRUCTURAL STEEL WORKS.
8. DESING & CONSTRUCTION SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION STANDARD PRACTICE.
9. STRUCTURAL STEEL WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER AND IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY, AWS, REQUIREMENTS.
10. ALL INSPECTION AND TESTING OF WELDING SHALL BE DONE IN ACCORDANCE TO SECTION 501 THROUGH 607 OF THE AWS D1.0-94 CODE FOR WELDING IN BUILDING CONSTRUCTION.
11. ALL CONNECTIONS SHALL BE BEARING TYPE UNLESS OTHERWISE SPECIFIED ON PLANS.
12. SHOP DRAWINGS FOR ALL STRUCTURAL STEEL FABRICATION AND ERECTION SHALL BE SUBMITTED TO THE DESIGNER FOR APPROVAL WELL IN ADVANCE OF CONSTRUCTION.
13. INCORRECTLY FRABRICATED, DAMAGED OR OTHERWISE MISFITTING OR NON-CONFORMING MATERIAL OR CONDITIONS SHALL BE REPORTED TO THE ENGINEER FOR RIVIEW AND APPROVAL OR REGECTION, PRIOR TO REMEDIAL OR CORRECTIVE ACTION TO BE IMPLEMENTED.

MISCELLANEOUS:

1. THESE GENERAL NOTES SUPPLEMENT THE PROJECT SPECIFICATIONS. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS. CONTRACTOR IS RESPONSABLE FOR COORDINATING SUCH REQUIREMENTS INTO THEIR SHOP DRAWINGS AND WORK.
3. NO OPENING SHALL BE MADE IN ANY STRUCTURAL MEMBER WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
4. NO CHANGE IN SIZE OR DIMENSION OF STRUCTURAL MEMBERS SHALL BE MADE WITHUOT THE WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
5. OPENING 1'-4" AND LESS ON A SIDE ARE GENERALLY NOT SHOWN ON THE STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SUCH OPENINGS.
6. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON STRUCTURAL FRAMING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED.
7. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT ONCE UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES.
8. DO NOT SCALE THESE DRAWINGS, USE DIMENSIONS.
9. CONTRACTOR'S CONSTRUCTION AND/OR ERECTION SEQUENCE SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD.
10. THE CONTRACTOR SHALL INFORM THE ARCHITECT/ENGINEER IN WRITING OF ANY DEVIATION FROM THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOT BE RELIEVED OF THE RESPONSIBILITY OF SUCH DEVIATION BY THE PROFESSIONAL OF RECORD REVIEW OF THE SHOP DRAWINGS, PRODUCT DATA, ETC., UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE PROFESSIONAL OF RECORD OF SUCH DEVIATION AT THE TIME OF SUBMISSION, AND THE PROFESSIONAL OF RECORD HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION.
11. CONCRETE ITEMS AND REINFORCEMENT SHALL BE ERECTED IN STRICT ACCORDANCE WITH OWNER APPROVED SHOP AND ERECTION DRAWINGS FOLLOWING THE DETAILS SHOWN ON PLANS.
12. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PRODUCE CORRECTLY ALIGNED CONCRETE AND STEEL ELEMENTS CONSIDERING AMONG OTHER THINGS, THE ELASTIC DEFORMATION OF THE STRUCTURAL MEMBERS.
13. WHERE "OWNER" IS MENTIONED IN PLANS IT IS TO BE UNDERSTOOD EITHER OWNER OR HIS AUTHORIZED REPRESENTATIVE.
14. CONTRACTOR SHALL SUBMIT FOR OWNERS' APPROVAL LOCATION AND DETAILS OF CONTRUCTION JOINTS IN SLABS AND BEAMS, AND IN ANY OTHER STRUCTURAL MEMBER.
15. CONTRACTOR MUST VERIFY ALL DIMENSIONS ON STRUCTURAL PLANS AGAINST THE DIMENSIONS ON ARCHITECTURAL PLANS BEFORE LAYING OUT THE WORK.
16. ALL STRUCTURES HAVE BEEN DESIGNED ACCORDING TO FINAL BEHAVIOR AND CONDITIONS. HOWEVER, DURING ERECTION OF SAME, CERTAIN CONDITIONS CAN ARISE FOR WHICH THE BEHAVIOR OR THE STRUCTURE HAS NOT BEEN CONTEMPLATED. THEREFORE, THE CONTRACTOR SHOULD PROVIDE AT ALL TIME ADEQUATE SHORING AND RESTORING UNTIL THE DESIGN CONDITION HAVE BEEN MET. IF THERE IS ANY DOUBT DURING ANY PHASE OF THE CONSTRUCTION, PLEASE CONSULT AND/OR NOTIFY THE STRUCTURAL DESIGNERS.
17. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING FIELD CONDITIONS PRIOR TO STARTING CONSTRUCTION. IF ANY DISCREPANCY ARISES IN THE STRUCTURAL AND ARCHITECTURAL PLANS, THE ARCHITECTS AND ENGINEERS SHALL BE NOTIFIED IMMEDIATELY.
18. CONTRACTOR MUST PROVIDE, SET AND VERIFY DIMENSIONS AND LOCATION OF ALL ANCHORS, INSERTS BOLTS, SLEEVES, CODUITS, ETC., SHOWN OR NOTED IN ARCHITECTURAL AND/OR MECHANICAL AND PLUMBING PLANS.
19. PROVISION FOR DETAILS NOT SPECIFICALLY DRAN SHALL BE MADE BY THE CONTRACTOR IN ACCORDANCE WITH THE ACI-318-95 BUILDING CODE AND/OR AISC SPECIFICATIONS AND CLARIFIED WITH THE DESIGNER.
20. HORIZONTAL MOVEMENT OF ANY HEAVY EQUIPMENT OVER STRUCTURAL FLOORS OR ROOF AND ITS TEMPORARY AND/OR DEFINITE LOCATIONS MUST BE PREVIOUSLY APPROVED BY THE DESIGNER SO AS NOT TO OVERLOAD THE STRUCTURE OR IN ANY OTHER WAY IMPAIR THE STRUCTURE. SAME PRECAUTION SHALL BE TAKEN FOR THE PILING OF CONSTRUCTIONS MATERIAL SUPON THE STRUCTURE.
21. ALL DETAILS, SECTIONS AND NOTES SHOWN ON DRAWINGS AND INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE UNLESS NOTED.
22. IN CASE OF DOUBT IN THE INTERPRETATION OF ANY ASPECT OF THESE STRUCTURAL DRAWINGS AND/OR SPECIFICATIONS, DESIGNER SHALL BE CONSULTED.
23. AT HORIZONTAL JOINTS IN WALL AND COLUMNS, THE LOWER SURFACE SHALL BE THOROUGHLY CLEARED AND ALL WEAR OR LOOSE CONCRETE REMOVED FROM THERE BEFORE POURING THE UPPER CONCRETE. (SEE SPECS. FOR ADDITIONAL REQUIREMENTS). NO JOINT SHALL BE COVERED WITH PLASTER OR OTHERWISE WITHOUT A VISUAL EXAMINATION AND APPROVAL BY THE INSPECTOR.
24. NO DEFECTIVE CONCRETE SHALL BE CORRECTED OR COVERED WITH MORTAR, PLASTER ETC. WITHOUT THE INSPECTORS' APPROVAL.

QUALITY ASSURANCE:

1. THE OWNER WILL EMPLOY AND PAY FOR THE SERVICES OF AN INDEPENDENT TESTING AGENCY OR LABORATORY TO PROVIDE QUALITY ASSURANCE TESTING AND INSPECTIONS. THE TESTING AGENCY SHALL BE LICENSED IN THE COUNTRY WHERE THE STRUCTURE IS LOCATED AND ALL TESTING AND INSPECTIONS SHALL BE PERFORMED UNDER THE SUPERVISION OF AN ENGINEER REGISTERED IN THE COUNTRY WHERE THE STRUCTURE IS LOCATED.
2. FAILURE OF QUALITY ASSURANCE TESTING AND INSPECTIONS TO DETECT ANY DEFECTIVE WORK OR MATERIAL SHALL NOT IN ANY WAY PREVENT LATER REJECTION WHEN SUCH DEFECT IS NOTED, NOR SHALL IT OBLIGATE THE OWNER'S REPRESENTATIVE FOR FINAL ACCEPTANCE.
3. SEE SPECIFICATIONS FOR SPECIFIC REQUIREMENTS FOR QUALITY ASSURANCE TESTING AND INSPECTION:

CONCRETE	ACI-318-95
REINFORCED MASONRY	ASTM, CRSI, ACI
STRUCTURAL STEEL	ASTM, AWS, AISC
STEEL JOIST GIRDERS	ASTM, AWS, SJI, AISC
STEEL JOISTS	ASTM, AWS, SJI, AISC
METAL ROOF DECK	ASTM, SDI, AISC

4. SEE GEOTECHNICAL REPORT FOR QUALITY ASSURANCE TESTING AND INSPECTIONS FOR FOUNDATION WORK.
5. THE TESTING AGENCY OR LABORATORY AND ITS REPRESENTATIVES ARE NOT AUTHORIZED TO REVOKE, ALTER, RELAX, ENLARGE OR RELEASE ANY PORTION OF THE WORK, PERFORM ANY DUTIES OF THE CONTRACTOR, OR BE A PARTY TO SHEDULING OF WORK.
6. THE CONTRACTOR SHALL NOTIFY THE TESTING AGENCY OR LABORATORY AND THE OWNER'S REPRESENTATIVE A MINIMUM OF 24 HOURS IN ADVANCE OF ALL WORK REQUIRING QUALITY ASSURANCE TESTING AND INSPECTIONS AND ALL REASONABLE FACILITIES SHALL BE MADE AVAILABLE FOR TECHNICIANS.
7. RECORDS OF INSPECTIONS SHALL BE KEPT AVAILABLE TO THE BUILDING OFFICIAL DURING PROGRESS OF THE WORK AND TWO YEARS AFTER COMPLETION OF THE PROJECT. RECORDS SHALL BE PRESERVED BY THE INDEPENDENT TESTING AGENCY.
8. ALL SLABS ON GROUND SHALL REST UPON EXISTING OR GRADED COMPETENT SUBSOIL MATERIAL OR UPON GRANULAR SELECTED WELL COMPACTED FILL MATERIAL, IN ACCORDANCE WITH LATEST AASHTO SPECIFICATIONS FOR FILL SOIL MATERIAL CLASSIFICATION AND COMPACTION REQUIREMENTS.

Tension Development Length (ld), (inches)

(Minimum Straight Embedment length)
for bars spaced less than 6" in, c.c.

Bar Size	f'c=3,000 psi		f'c=3,750 psi		f'c=4,000 psi		f'c=5,000 psi		f'c=6,000 psi	
	Top Bars	Other Bars	Top Bars	Other Bars	Top Bars	Other Bars	Top Bars	Other Bars	Top Bars	Other Bars
#3	13	12	13	12	13	12	13	12	13	12
#4	17	12	17	12	17	12	17	12	17	12
#5	21	15	21	15	21	15	21	15	21	15
#6	27	19	25	18	25	18	25	18	25	18
#7	37	26	33	24	32	23	29	21	29	21
#8	48	35	43	31	42	30	38	27	34	25
#9	61	44	55	39	53	38	48	34	43	31
#10	78	56	70	50	67	48	60	43	55	39
#11	96	68	86	61	83	59	74	53	68	48
#14	130	93	117	83	113	81	101	72	92	66
#18	169	120	151	108	146	104	131	93	119	85

Basic Tension Splices For Grade 60 Bars

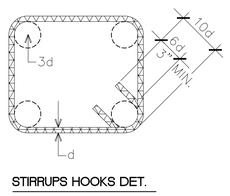
Bar Size	CLASS A,B, & C LAP SPLICE LENGTHS (INCHES)								
	f'c=3,000			f'c=4,000			f'c=5,000		
	A	B	C	A	B	C	A	B	C
#3	12	16	20	12	16	20	12	16	20
#4	12	16	20	12	16	20	12	16	20
#5	15	20	26	15	20	26	15	20	26
#6	19	25	33	18	24	31	18	24	31
#7	26	34	45	23	30	39	21	27	36
#8	35	45	59	30	30	51	27	35	46
#9	44	57	74	38	49	65	34	44	58
#10	56	72	95	48	63	82	43	56	73
#11	68	89	116	59	77	101	53	69	90

NOTE:
FOR OTHER CONDITIONS, CONSULT STRUCTURAL ENGINEERS
A. WHEN 33% OF BARS AT SECTION ARE CUT.
B. WHEN 50% OF BARS AT SECTION ARE CUT.
C. WHEN 100% OF BARS AT SECTION ARE CUT.

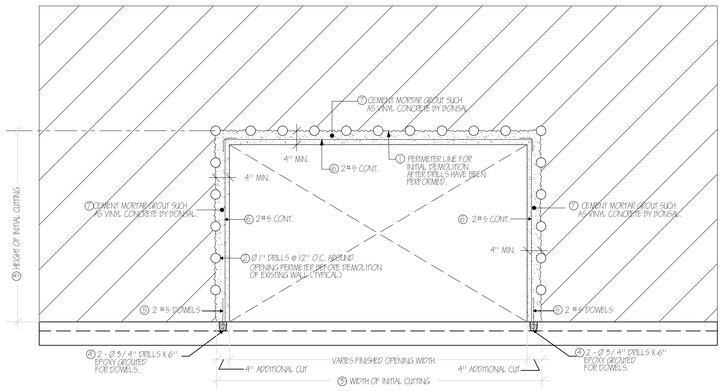
Tension Development Length (ld), (inches)

(Minimum Straight Embedment length)
for bars spaced 6" in, or more c.c.

Bar Size	f'c=3,000 psi		f'c=4,000 psi		f'c=5,000 psi	
	Top Bars	Other Bars	Top Bars	Other Bars	Top Bars	Other Bars
#3	12	12	12	12	12	12
#4	14	12	14	12	14	12
#5	17	12	17	12	17	12
#6	22	15	20	14	20	14
#7	30	21	26	18	23	17
#8	38	28	34	24	30	22
#9	49	35	42	30	38	27
#10	62	45	54	38	48	34
#11	77	54	66	47	59	42
#14	104	74	90	65	81	58
#18	135	96	117	83	105	74



STIRRUPS HOOKS DET.



WALL OPENING TYPICAL DETAIL

DEMOLITION & REPAIRING SEQUENCE

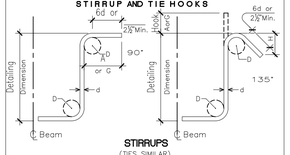
1. DELINEATE PERIMETER LINE OF INITIAL DEMOLITION AS IN FIGURE.
2. PERFORM DRILLS AS SHOWN, ø 1" @ 12" O.C. ON FIGURE.
3. CUT INITIAL OPENING AS SHOWN ON FIGURE.
4. BORE DRILLS FOR DOWELS @ WALL BOTTOM OR FOOTING.
5. INSTALL 2#5 DOWELS X 2'-0" AND GROUT WITH EPOXY COMPOUND
6. GROUT WITH VINYL CONCRETE AROUND OPENING PERIMETER AND DRILL HOLES FOR FINISHED DIMENSIONS.

ASTM STANDAR REINFORCING BARS

BAR SIZE DESIGNATION	WEIGHT POUNDS PER FOOT	NOMINAL DIMENSIONS--ROUND SECTIONS DIAMETER INCHES	CROSS SECTIONAL AREA SQ. INCHES	PERIMETER INCHES
#3	.376	.375	.11	1.178
#4	.668	.500	.20	1.571
#5	1.043	.625	.31	1.963
#6	1.502	.750	.44	2.356
#7	2.044	.875	.60	2.749
#8	2.670	1.000	.79	3.142
#9	3.400	1.128	1.00	3.544
#10	4.303	1.270	1.27	3.990
#11	5.313	1.410	1.56	4.430
#14	7.65	1.693	2.25	5.32
#18	13.60	2.257	4.00	7.09

SUPERSEDES CARDS ISSUED PRIOR TO JAN. 1978

STIRRUP AND TIE HOOKS

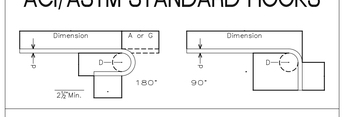


STIRRUPS
(TIES SIMILAR)

RECOMMENDED STIRRUP AND TIE HOOK DIMENSIONS
Grades 40-50-60 ksi

Bar Size	D (in)	90 HOOK Hook A or G	135 HOOK Hook A or G	135 HOOK Approx. H
#3	1½"	4	4	2⅜"
#4	2"	4½	4½	3"
#5	2½"	6	5½	3¾"

ACI/ASTM STANDARD HOOKS



SIZES OF 180-DEG. HOOKS
All Grades
D=6d for #3 through #8
D=8d for #9 #10 and #11
D=10d for #14 and #18

SIZES OF 90-DEG. HOOKS
All Grades
D=6d for #3 through #8
D=8d for #9 #10 and #11
D=10d for #14 and #18

RECOMMENDED END HOOK DIMENSIONS

Bar Size	180 HOOKS All Grades A or G	180 HOOKS All Grades J	90 HOOKS All Grades A or G
#3	5	3	6
#4	6	4	8
#5	7	5	10
#6	8	6	1-0
#7*	10	7	1-2
#8*	11	8	1-4
#9*	1-3	11¼	1-7
#10*	1-5	1-0¾	1-10
#11*	1-7	1-2¼	2-0
#14	2-2	1-8½	2-7
#18	2-11	2-3	3-5

* These sizes-Grade 40-check availability. Sizes #14, #18, check availability; no Grade 40 under ASTM.

Notes:

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3.0 The contractor shall check all dimensions, levels and angles on site prior to commencing any work.
4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.
5.0 This plan was prepared based on information obtained & provided by the owner.

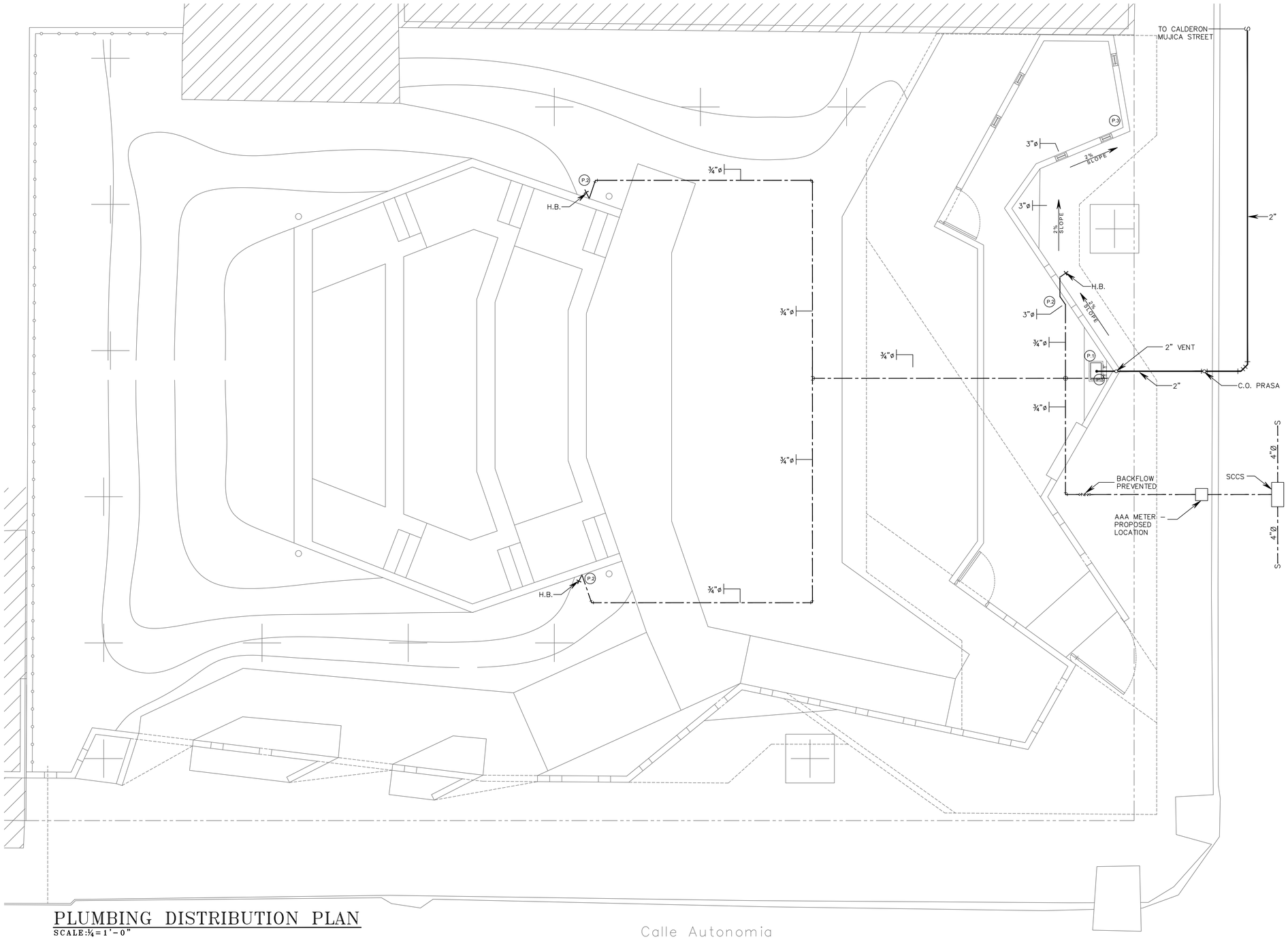
REVISIONS

REV. #	DATE	ISSUING REASON
1	05.iv.17	Explanation

PROFESSIONAL SEAL

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PLUMBING DISTRIBUTION PLAN

SCALE: ¼ = 1'-0"

LEGEND:

1"Ø W.M.	1"Ø NEW FIRE WATER METER BOX (SEE DETAIL ON P.3.0 DWG.)
C.O. PRASA	CLEAN OUT PRASA
	BACK FLOW PREVENTER
	SERVICE CLAM WITH CORPORATION STOP
	POTABLE WATER LEVEL

FIXTURE SCHEDULE

ID	DESCRIPTION	COLD WATER	HOT WATER	DRAINAGE	REQ.
P-1	SINK	½"	N/A	3	1
P-2	HOSE BIB	½"	N/A	N/A	3
P-3	FLOOR DRAIN	N/A	N/A	3	2

AAA-RO-23-03-0016
(6 UNIDADES EQUIVALENTES)
OGPE-2023-480217-SRI-066301

Notes:

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5.0 This plan was prepared based on information obtained & provided by the owner.

REV. #	DATE	ISSUING REASON
1	05.ix.17	Explanation

PROFESSIONAL SEAL:

José Antonio Torres Scandali
Ingeniero
Licenciado
Lic. 10906 PE
Puerto Rico
Fecha de Expiración: 2024.11.19

CERTIFICACIÓN - COPYRIGHTS - FIRM NAME

JULIAN MARRODIZ
[illegible]

in.formation studio
landscape . architecture . product
6737 Av. Isla Verde, C.C. Plaza de Verde Mall
- Suite 21 (787) 256-0620 e-m o/c
info@informationstudio.com

PROJECT TILE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

STAMP/SEAL:

DWG. TITLE

PLUMBING DISTRIBUTION PLAN

Municipality of Canóvanas – Hon. Lorrna J. Soto

Advanced Print – 30%

FILE NAME	23-025-P1.0
PLOT DATE	06/15/23
DWG. #	P1.0
DESIGNER	J.T.S.
APPROVING	J.T.S.
DRAFTSMAN	D.P.D.
ARCHIVO #:	23-025

NOTA IMPORTANTE:

Yo, JORGE A. TORRES SCANDALI, INGENIERO MECANICO, LICENCIA 10906, certifico que soy el profesional que diseñó lo MECANICA, en estas planos y las especificaciones complementarias. También, certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con jurisdicción. Certifico, además, que en la preparación de estos planos y especificaciones se ha cumplido cabalmente con lo dispuesto en la Ley 14-2004, según enmendada, conocida como la Ley para la Inversión por la Industria Puertorriqueña y con la Ley Núm. 319 de 15 de mayo de 1935, según enmendada; Ley Núm. 96 de 6 de julio de 1978, según enmendada; según aplique. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido por desconocimiento o por negligencia yo seo por mí, más agentes o empleados, o por otras personas con mi conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

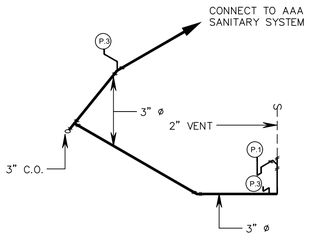
JORGE A. TORRES SCANDALI
CONSULTING ENGINEER, PSC
1111 HUMACAO ST., SANTA RITA
RIO PIEDRAS, P. R. 00925
TEL. (787) 763-5190

JORGE A. TORRES SCANDALI
MECHANICAL ENGINEER, LIC. 10906

JORGE TORRES LOPEZ
MECHANICAL ENGINEER, LIC. 4951

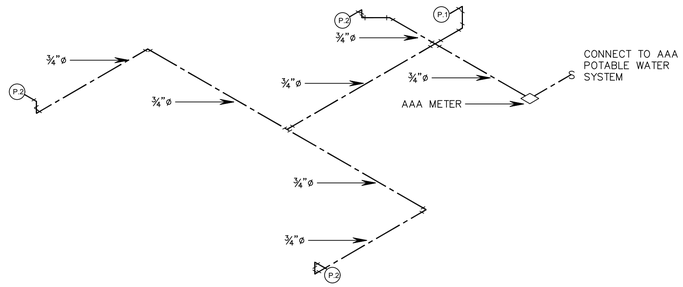
PROJECT #: xx-xx
SHEET #: 6
DRAWN BY: krs
DATE: 16.xii.2022
DISCIPLINE

P-1.0



Sanitary Isometric

NOT TO SCALE



Water Isometric

NOT TO SCALE

Legend

COLD WATER LINE

SANITARY LINE

FIXTURE SCHEDULE

ID	DESCRIPTION	COLD WATER	HOT WATER	DRAINAGE	REQ.
P-1	SINK	½"	N/A	3	1
P-2	HOSE BIB	½"	N/A	N/A	3
P-3	FLOOR DRAIN	N/A	N/A	3	2

Notes:

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REV. #	DATE	ISSUING REASON
1	05.ix.17	Explanation

PROFESSIONAL SEAL

Jorge Antonio Torres Scandali
Ingeniero
Licenciado
Lic. 10906 PE
Puerto Rico
Fecha de Expiración 2024-11-18

CERTIFICACIÓN - COPYRIGHTS - FIRM NAME

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[boilerplate]

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6737 Av. Isla Verde, Edificio 6 Verde Mall
– Suite 241 – Carolina, PR 00979 – Office
Tel: 21 (787) 236-0630 e-m ail:
info@informationstudio.com

PROJECT TITLE & ADDRESS

Plaza de Artes
Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

DWG. TITLE

SANITARY AND
WATER
ISOMETRIC

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FILE NAME	23-025-P2.0
PLOT DATE	06/15/23
DWG. #	P2.0
DESIGNER	J.T.S.
APPROVING	J.T.S.
DRAFTSMAN	D.P.D.
ARCHIVO #:	23-025

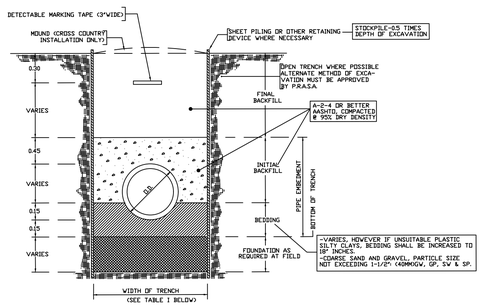
JORGE A. TORRES SCANDALI
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JORGE TORRES LOPEZ
MECHANICAL ENGINEER, LIC. 4951

Municipality of
Canóvanas –
Hon. Lorrna J. Sato

PROJECT #: xx-xx
Advanced Print – 30%
SHEET #: 6
DRAWN BY: krs
DATE: 16.xii.2022
DISCIPLINE: P – 2.0



TRENCH DETAILS FOR PIPE

TABLE I
WIDTH OF TRENCH

DIAMETER (INCHES)	* WIDTH OF TRENCH AT TOP OF PIPE
4" – 14"	O.D. + 24"
16" – 54"	O.D. + 36"

NOTE:

* WHENEVER MOVABLE SHEET PILING OR OTHER TRENCH PROTECTION IS USED BELOW THE TOP OF THE PIPE, THE CLEAR DISTANCE BETWEEN THE OUTSIDE FACE OF THE PIPE AND THE MOVABLE TRENCH SUPPORT SHALL BE NOT LESS THAN 2.5 x OUTSIDE PIPE DIAMETER.

NOTES:

FOUNDATION AND BEDDING:

1) MATERIALS AS CLASSIFIED BY USCS AS PER ASTM D-2487 SOILS CLASSES I-A-B WHERE CRUSHED GRAVEL OR CRUSHED STONE IS USED IT SHALL BE AS PER ASTM C-33 GRADATION No. 67.
2) FILL MATERIAL SHALL BE PLACED IN 0.15 LAYERS. WHEN COMPACTED
3) COMPACT TO 90% OF MAX. COMPACTION AS PER ASTM D-698 FOR COHESIVE SOILS OR DENSIFY TO 70% OF MAX. RELATIVE DENSITY AS PER ASTM D-2049 FOR GRANULAR SOILS. TESTS SHALL BE PERFORMED AT 50 MTS. INTERVALS.

INITIAL BACKFILL CROSS COUNTRY:

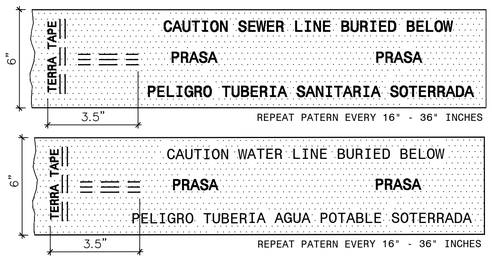
1) PREVIOUS EXCAVATED MATERIAL FREE FROM BOULDERS AND STONES LARGER THAN 2".
2) FILL MATERIAL SHALL BE PLACED IN 0.30 MT. LAYERS.
3) COMPACTION EFFORT NOT REQUIRED OTHER THAN OBTAINED BY SPREADING AND LEVELLING BACKFILL MATERIAL ROLLING EQUIPMENT NOT ALLOWED FOR WORKING BACKFILL MATERIAL IN THIS SECTOR OF TRENCH.

FINAL BACKFILL – CROSS COUNTRY:

1) PREVIOUS EXCAVATED MATERIAL.
2) FILL MATERIAL SHALL BE LOOSELY PLACED IN 0.90 MT. LAYERS.
3) COMPACTION AS OBTAINED BY ROLLING WITH THE PLACEMENT EQUIPMENT.
4) MOUND THE SURFACE AND FILL AND MAINTAIN ALL SUNKEN TRENCHES UNTIL FINAL ACCEPTANCE OF THE PROJECT.

INITIAL AND FINAL BACKFILL-UNDER ROADS, STREETS, WALKS, APRONS AND OTHERS IMPROVED SURFACES

1) ANY MATERIAL AS CLASSIFIED BY USCS AS PER ASTM D-2487 SOIL CLASSES I – II – III – IV. WHERE CRUSHED GRAVEL OR CRUSHED STONE IS USED IT SHALL BE AS PER ASTM C-33 GRADATION No. 67.
2) FILL MATERIAL SHALL BE PLACED IN 0.30 MT. LAYERS.
3) COMPACT TO 90% OF MAX. COMPACTION AS PER ASTM D-698 FOR COHESIVE SOILS OR 70% OF MAX. RELATIVE DENSITY ASPER ASTM D-2049 FOR GRANULAR SOILS. ROLLING EQUIPMENT NOT ALLOWED FOR WORKING BACKFILL MATERIAL IN THE INITIAL BACKFILL SECTOR.

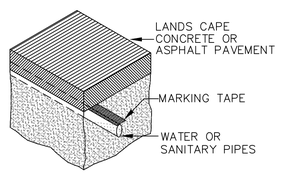


COLOR: GREEN
MATERIAL: ALUMINUM FOIL LAMINATED BETWEEN TWO LAYERS OF INERT PLASTIC FILM
IMPRINT COLOR: BLACK

CUSTOMER: PRASA
SAN JUAN, P.R.
PRODUCT CODE: 6" 0521556
3" 0531556

WARNING SIGN
N.T.S.

TERRA TAPE

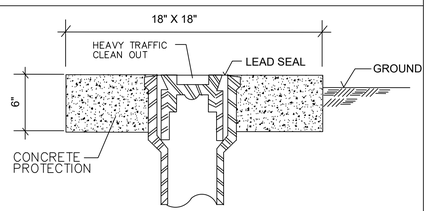


01	TRENCH DETAILS
N.T.S.	

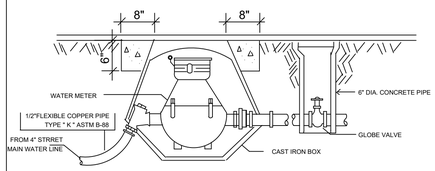
NOTAS PARA SISTEMA DE ACUEDUCTOS

1. LAS CAJAS DE CONTADOR SERAN INSTALADAS FUERA DEL AREA DE RODAJE, ESTACIONAMIENTO O RAMPAS DE ACCESO VEHICULAR.
2. LAS CAJAS DE CONTADOR SERAN INSTALADAS FUERA DEL LIMITE DE PROPIEDAD.
3. LOS CONTADORES DE SERVICIO DE AGUA DEBERAN REGISTRAR EL VOLUMEN DE AGUA EN METROS CUBICOS.
4. LAS CAJAS DE CONTADOR SERAN CONSTRUIDAS CON PIEZAS DE COBRE FLEXIBLE TIPO "K" O BRONCE DE IGUAL CUMPLIMIENTO.
5. LA DISTANCIA ENTRE LA ACOMETIDA DE SERVICIO DE AGUA Y LA ACOMETIDA SANITARIA SERA MAYOR O IGUAL A 5 PIES HORIZONTALES, LA INSTALACION DE AMBAS ACOMETIDAS EN LA MISMA EXCAVACION NO ESTARA PERMITIDA.
6. LAS PIEZAS DE CONEXION A UTILIZARSE PARA LA INSTALACION DE ACOMETIDAS, SERAN DE TIPO "FLARE" O ROSCA EN CASO DE SER DE COBRE FLEXIBLE TIPO "K" O ROSCA EN CASO DE CONSTRUIRSE EN BRONCE, NO SE PERMITIRA CONEXIONES REALIZADAS CON PIEZAS SOLDADAS.
7. SE INSTALARAN VENTOSAS DE AIRE EN TODOS LOS PUNTOS ALTOS DE LA TUBERIA SEGUN SEA NECESARIO, LA INSTALACION DE LAS MISMAS SE DETERMINARA EN EL TERRENO.
8. PARA ACEPTAR FINALMENTE EL PROYECTO EL MISMO DEBERA ESTAR PAVIMENTADO CUANDO SE REALICE LA VALIDACION FINAL.
9. LAS CAJAS DE CONTADORES SERAN INSTALADAS A UNA DISTANCIA RAZONABLE Y SEGURA DE TODO EQUIPO ELECTRICO.
10. TODAS LAS CONEXIONES SERAN REALIZADAS POR UN MAESTRO PLOMERO O BAJO LA SUPERVISION DIRECTA DE ESTE.
11. TODAS LAS ACOMETIDAS DE DIAMETRO SE INSTALARAN CON ABRAZADERA Y LLAVE DE INCORPORACION.
12. SE DEBERA INSTALAR UNA CINTA DETECTABLE SOBRE LA TUBERIA DE AGUA, IGUAL O SIMILAR A LA MANUFACTURADA POR LA COMPAÑIA "REEF INDUSTRIES INC.". DICHA CINTA DEBERA ESTAR LOCALIZADA SOBRE Y PARALELA A LA TUBERIA A UNA PROFUNDIDAD DE 0.30 mts. (12") BAJO LA SUPERFICIE DEL TERRENO.
13. SERA NECESARIO REALIZAR UNA EXCAVACION EXPLORATORIA SEGUN LO SOLICITE EL INSPECTOR DE A.A.A. PARA PODER VERIFICAR PROFUNDIDAD Y MATERIALES DE TUBERIA. DEBERA SOLICITAR LA INSPECCION CORRESPONDIENTE ANTES DE PAVIMENTAR LAS CALLES.
14. EL CONTRATISTA O URBANIZADOR SUMINISTRARA EVIDENCIA DEL PAGO DE CONEXION AL SISTEMA PREVIO AL ENDOSO FINAL DEL PROYECTO.
15. TODAS LAS PIEZAS DE CONECXION COMO "TEE", VALVULAS, TAPON, ETC. SERAN DE COBRE TIPO K.
16. LA TUBERIA SE INSTALARA A UNA PROFUNDIDAD DE 0.75 METROS DESDE EL NIVEL DEL TERRENO HASTA LA PARTE SUPERIOR DEL TUBO Y A 1.50 METROS DEL SARDINEL.
17. EL PROPONENTE O DUEÑO DEBERA NOTIFICAR POR ESCRITO A ESTA OFICINA CUANDO COMIENCE LA CONSTRUCCION DE LAS OBRAS HIDRAULICAS.
18. LA A.A.A. SE RESERVA EL DERECHO DE REQUERIR CUALQUIER CAMBIO PERTINENTE QUE POR OMISION O ERROR INVOLUNTARIO NO SE HAYA INCLUIDO EN EL PROYECTO Y A SU JUICIO, SEA NECESARIA PARA EL BUEN FUNCIONAMIENTO DEL SISTEMA DE ACUEDUCTO.
19. EL DUEÑO DEL PROYECTO APORTARA $500.00 DOLARES POR CADA SOLAR O UNIDAD, COMO CARGO POR DERECHO DE CONEXION AL SISTEMA DE ACUEDUCTO.
20. LA TUBERIA DE SERVICIO DE AGUA DEBERA INSTALARSE AL LADO CONTRARIO DE LA TUBERIA ELECTRICA, TELEFONO O CABLE TV.
21. EL PROYECTISTA DEL PROYECTO REALIZARA PRUEBA DE PRESION HIDRAULICA A LA TUBERIA DEL SISTEMA DE DISTRIBUCION DE AGUA A UNA PRESION MINIMA DE 150 PSI O VEZ Y MEDIA LA PRESION REGISTRADA EN EL SISTEMA DE DISTRIBUCION DE AGUA ADYACENTE AL PROYECTO. LA PRUEBA SERA POR UN TIEMPO MINIMO DE 15 MINUTOS Y NO SE DEBERA REGISTRAR PERDIDA DE PRESION MIENTRAS DURE LA MISMA. PERSONAL DE LA OFICINA DE PROYECTOS PUBLICOS Y PRIVADOS DE LA AUTORIDAD DE ACUEDUCTOS Y ALCANTARILLADOS DEBERA ESTAR PRESENTE PARA VALIDAR LA PRUEBA.
22. LOS EQUIPOS PARA REALIZAR LAS PRUEBAS DE PRESION DEBERAN SER PROVISTOS POR EL CONTRATISTA O PLOMERO DEL PROYECTO. PARA PRESIONES DE 150 PSI LA ESCALA DEL MANOMETRO NO DEBE EXCEDER DE 200 PSI.
23. CUALQUIER CAMBIO QUE SEA NECESARIO A LO INDICADO EN ESTE PLANO O EN SU CARTA DE APROBACION, RELACIONADO AL SISTEMA DE AGUA POTABLE, DEBERA SER CONSULTADO Y EVALUADO CON ESTA OFICINA PARA APROBACION, PREVIO A SU CONSTRUCCION Y/O DESARROLLO.

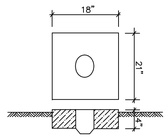
02	NOTAS PARA SISTEMA DE ACUEDUCTOS
N.T.S.	



03	CLEANOUT P.R.A.S.A.
N.T.S.	

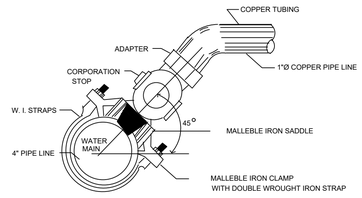


NEW 1"Ø WATER METER DETAIL
N.T.S.



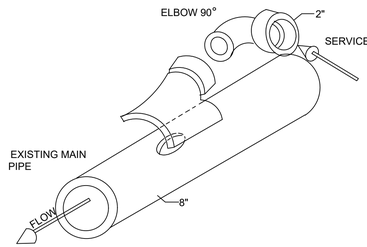
WATER METER CONCRETE PROTECTION
N.T.S.

04	WATER METER DETAIL
N.T.S.	



SERVICE CLAMP WITH CORPORATION STOP
N.T.S.

05	SERVICE CLAMP WITH CORPORATION STOP
N.T.S.	



06	SADDLE CONNECTION
N.T.S.	

Notes:

1.0 Do not scale dimensions from drawings. Dimensions govern.
2.0 All dimensions are in feet and inches, unless noted otherwise.
3.0 The contractor shall check all dimensions, levels and angles on site prior to commencing any work.
4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.
5.0 This plan was prepared based on information obtained & provided by the owner.

REV. #	DATE	ISSUING REASON
1	05.ix.17	Explanation

PROFESSIONAL SEAL:

José Antonio Torres Scandali
Ingeniero
Licenciado
Lic. 10906 PE
Puerto Rico
Fecha de Expiración: 2024.11.19

CERTIFICACIÓN – COPYRIGHTS – FIRM NAME

JULIAN MARQUEZ
ASOCIADOS, CONSULTORES DE SOY R; PARA ESTUDIO, CONFECCIONES Y PREPARACIÓN DE ESPECIFICACIONES CONTENIDO DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES EN LOS REGLAMENTOS Y ADEMAS DE LOS REGLAMENTOS Y CONFORME A LA LEY NÚM. 9 DE 24 DE JULIO DE 1970, SEGÚN ENMENDADA, Y EL REGLAMENTO NÚM. 3 DE 28 DE OCTUBRE DE 1970, SEGÚN ENMENDADO, PREPARADO POR LA JUNTA REGLAMENTADORA DE CONSTRUCCIÓN, ESTOY AUTORIZADO A PREPARAR ESTOS PLANOS Y ESPECIFICACIONES QUE CUMPLEN CON LA REGLAMENTACIÓN VIGENTE EN LA JURISDICCIÓN DE LA OFICINA DE PERMISOS DE CONSTRUCCIÓN DE SAN JUAN, EXCEPTO LO QUE SE INDIQUE EN CONTRARIO. EL USO DE ESTOS PLANOS Y ESPECIFICACIONES POR CUALQUIER PERSONA QUE NO SEA YO, MI AGENTE O EMPLEADO, O POR OTRA PERSONA CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE.
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info@n-formationstudio.com

PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales
Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

DWG. TITLE

PLUMBING NOTES AND DETAILS

Municipality of Canóvanas – Hon. Lorrna J. Soto

PROJECT # xx-xx
Advanced Print – 30%
SHEET # 6
DRAWN BY krs
DATE 16.xii.2022
DRAWING NO. P-3.0

NOTA IMPORTANTE:

Yo, JORGE A. TORRES SCANDALI, INGENIERO MECANICO, LICENCIA 10906, certifico que soy el profesional que diseñó la MECANICA, en estos planos y las especificaciones complementarias. Que el diseño fue realizado de acuerdo a las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con Jurisdicción. Certifico, además, que en la preparación de estos planos y especificaciones se ha cumplido cabalmente con lo dispuesto en la Ley 16-2004, según enmendada, conocida como la Ley para la Inversión por la Industria Puertorriqueña y con la Ley Núm. 173 de 12 de agosto de 1988, según enmendada, conocida como la Ley de la Política Pública Energética de Puerto Rico. Reconozco que cualquier propiedad física o clasificación de los hechos que se haya producido por desconocimiento o por negligencia ya sea por mí, mis agentes o empleados, o por otras personas con mi consentimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

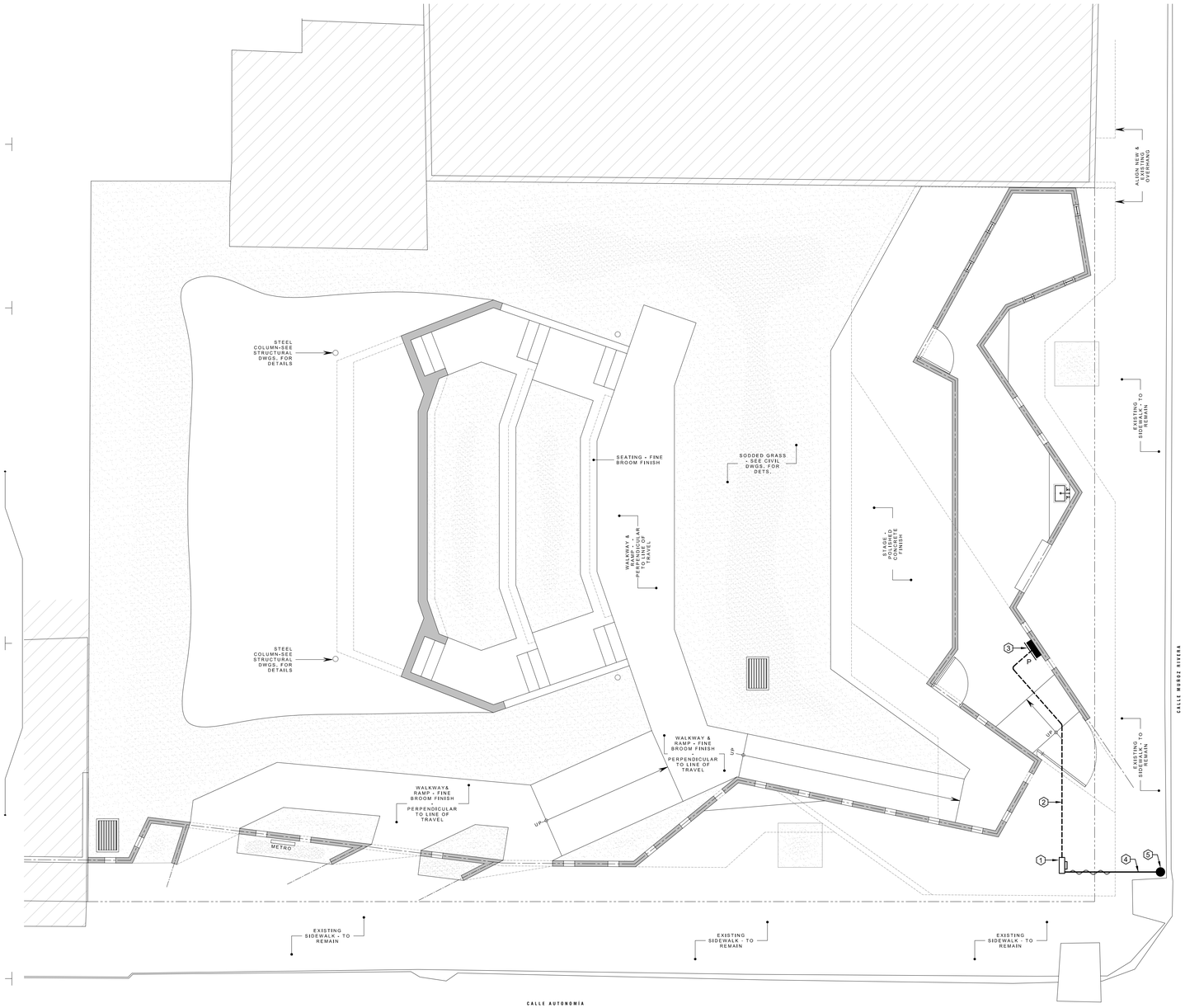
AAA-RO-23-03-0016
(6 UNIDADES EQUIVALENTES)
OGPE-2023-480217-SRI-066301

FILE NAME	23-025-P3.0
PLOT DATE	06/15/23
DWG. #	P3.0
DESIGNER	J.T.S.
APPROVING	J.T.S.
DRAFTSMAN	D.P.D.
ARCHIVO #:	23-025

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JORGE A. TORRES SCANDALI
MECHANICAL ENGINEER, LIC. 10906

JORGE TORRES LOPEZ
MECHANICAL ENGINEER, LIC. 4951



Proposed Site Plan

SCALE : ¼" = 1'-0"

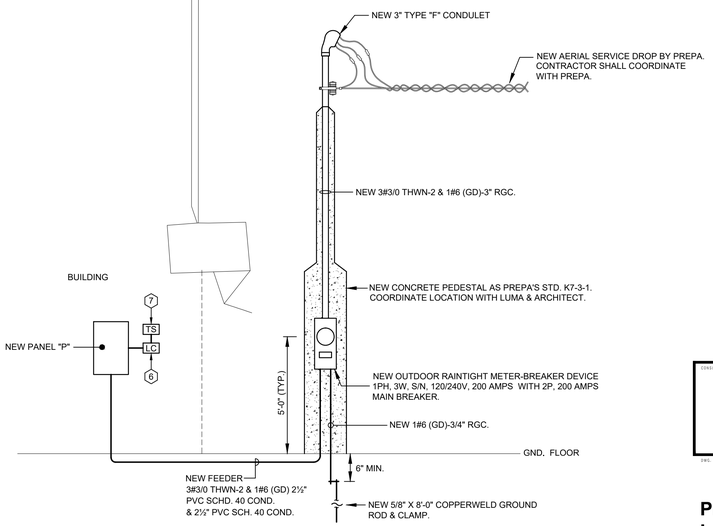
KEYED NOTES:

1. NEW CONCRETE PEDESTAL WITH NEW 250V-200A-2PH-3W LUMA METER. LUMA STD-K7-3-1.
2. NEW UNDERGROUND FEEDER CONSISTING OF: 3#3/0-1#6 GND, 2½" PVC SCH. 40 C. & 1-2½" PVC SCH. 40 SPARE CONDUIT.
3. NEW ELECTRICAL PANELBOARD.
4. AERIAL DROP TO LUMA OVERHEAD LINES CONSISTING OF TRIPLEX 3#3/0 AWG-1#6 GND. WITH MESSENGER CABLE.
5. EXISTING LUMA POLE PROVIDE NEW LUMA STD._____.
6. 12 POLE MECHANICALLY HELD LIGHTING CONTACTOR.
7. ASTRONOMICAL TIME SWITCH WITH BATTERY BACK-UP.

NOTES:

1-TO SERVE THIS PROJECT LUMA WILL REPLACE EXISTING POLE AT POINT 10 (X: 256,180.618 : Y:260,420.709) OF THE RECOMENDATION LETTER WITH A NEW 40'-S5.7 METAL GALVANIZED POLE AT OWNER'S EXPENSE.

2-ALL WORK IN ENERGIZED LINES SHALL BE DONE BY LUMA AT OWNER'S EXPENSE. ALL MATERIALS REQUIRED FOR THE WORK AT POINT OF INTERCONNECTION SHALL BE PROVIDED BY OWNER.



ELECTRICAL ONE LINE DIAGRAM

N.T.S.

ADVANCE PRINT DATE: June 15, 2023.

LOCATION PLAN

SCALE: 1=20,000

LAMBERT COORDINATES

X: Y:

Notes:

1.0 Do not scale dimensions from drawings. Dimensions govern.

2.0 All dimensions are in feet and inches, unless noted otherwise.

3.0 The contractor shall check all dimensions, levels and angles on site prior to commencing any work.

4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.

5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS

REV. #	DATE	ISSUING REASON
1	05.ix.17	Explanation

PROFESSIONAL SEAL

CERTIFICACIÓN - COPYRIGHTS - PARA SABER

JULIEN MANTILLA
ASSOCIATES, INC. ESTE DOCUMENTO SE HA PREPARADO, CONFECCIONO Y PUBLICADO CON ESPECIFICACIONES Y ESTÁNDARES DE LA INDUSTRIA. TODO TRABAJO REALIZADO BAJO ESTAS DISPOSICIONES DEBE CUMPLIR CON ESPECIFICACIONES CUMPLEN CON LOS REGLAMENTOS Y CONDICIONES VIGENTES, ESPECIALES, JUNTAS REGLAMENTADORAS JURISDICCIÓN O N ASHRAE. ESTÁNDARES DE CONSTRUCCIÓN DE ESTÁNDARES EN LA PREPARACIÓN. ESTE DOCUMENTO POR LA ARQUITECTURA SE DEL E ESTÁNDARES QUE PUEDEN SER APLICADO O POR ESPECIFICADO. O ESTE PROYECTO. NO ESTÁNDARES ESTE PROYECTO ESTÁNDARES ESTÁNDARES. ESTÁNDARES. ESTÁNDARES.

ELECTRICAL CONSTRUCTION PLAN NOTES

GENERAL NOTES:

1-THESE PLANS COINCIDE WITH THE PLANS SUBMITTED AT "O.G.P.E."

2-OWNER IS RESPONSIBLE OF OBTAINING ALL FEDERAL, STATE, MUNICIPAL & PRIVATE REQUIRED PERMIT & RIGHT OF WAYS CONCERNING THIS TYPE OF PROJECT.

3-OWNER MUST CONTRACT A LICENSED ENGINEER SERVICE THE INSPECT THE ELECTRICAL WORK IN ACCORDANCE WITH NUMBER 7 CERTIFICATION LAW JULY 19, 1985, AS AMMENDED, AND WILL ENFORCE LUMA'S ELECTRICAL CONSTRUCTION PROJECT PLANS CERTIFICATION REGULATION. OWNER MUST NOTIFY LUMA, THE PRIVATE INSPECTOR DESIGNATION BEFORE PROJECT BEGINS.

4-ELECTRICAL CONTRACTOR SHALL PERFORM THIS WORK, AS DESIGN ON THIS DRAWINGS. CONTRACTOR HE MUST OBSERVE THE BEST ELECTRICAL CONSTRUCTION INDUSTRY PRACTICES, INSTALLATION SHALL BE ACCORDANCE WITH LUMA'S & CONCERNING AGENCIES ADOPTED RULES & REGULATIONS, NEC, NESC CODES, IEEE, NFPA, NEMA & ANSI ADOPTED STANDARDS.

5-CONTRACTOR IS NOT AUTHORIZED TO MAKE CHANGES TO THIS DESIGN. CONTRACTOR IS RESPONSIBLE OF CONSULTING THE DESIGNER OR PROJECT DESIGNATED INSPECTOR REGARDING ANY DOUBT IN PLANS, INTERPRETATION, WORK EXECUTION, TECHNICAL SPECIFICATION, EXISTING FIELD CONDITION, DESIGN CRITERIA OR DISCREPANCES THAT MAY APPEAR.

6-ELECTRICAL CONTRACTOR SHALL NOTIFY LUMA THE START OF CONSTRUCTION AT LEAST 15 DAYS BEFORE PROJECT START, CONTRACTOR SHALL DO SO BY FILLING PREPA'S CONSTRUCTIONS START DOCUMENT.

7-ELECTRICAL CONTRACTOR AND PRIVATE INSPECTOR ARE RESPONSIBLE TO ASSIST & COORDINATE WITH LUMA'S CORRESPONDING REGION DISTRIBUTION ENGINEERING DEPARTMENT A PRE-CONSTRUCTION MEETING.

8-ALL WORK ON ENERGIZED LINES, INCLUDING THE PROJECT FINAL CONNECTION, MUST BE DONE BY LUMA AND THE PROPONENT MUST ASSUME ALL THE EQUIPMENT, MATERIAL & LABOR COST. PROPONENT MUST REQUEST TO LUMA A JOB QUOTE. THE QUOTE IS VALID FOR 3 MONTHS.

9-PERFORMING ANY KIND OF WORK ON ELECTRICAL RIGHT OF WAY WITHOUT LUMA'S WRITTEN AUTHORIZATION IT IS STRICTLY PROHIBITED.

10-LUMA WILL NOT APPROVE ANY CONNECTION OF PROJECTS THAT ARE INVADING RIGHT OF WAY OR THAT DOES NOT COMPLY WITH THE REQUIRED SECURITY SET BACKS.

SYSTEMS:

1-IT IS OWNER/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 PERFORM IN COORDINATION WITH LUMA'S ENGINEERING DEPARTMENT'S INSPECTIONS OFFICE REPRESENTATIVE.

2-DURING CABLE INSTALLATION, CABLE MUST BE PROTECTED FROM HUMIDITY AND DAMAGES. CONTRACTOR IS RESPONSIBLE OF INSTALLING CABLES USING RECOMMENDED PULLING TECHNICS IN ORDER NOT TO EXCEED SPECIFIED CABLE MAXIMUM PULLING TENSION.

3-MANHOLE COVERS TO BE INSTALLED AT GREEN PLATING AREAS MUST BE PROTECTED USING A REINFORCE CONCRETE SLAB AS PER LUMA'S STANDARD URD-52.

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.

5-UNDERGROUND CONDUIT DUCT BANK MUST BE INSPECTED BY LUMA BEFORE IT IS COVERED AND COMPACTED WITH EARTH.

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.

7-SPARE FUSES QUANTITY THAT CONTRACTOR MUST SUPPLY IS THE SAME QUANTITY AS FUSES INSTALLED AT EACH SUBSTATION.

8-GROUNDING CONNECTORS TO BE USED FOR SUBSTATIONS MUST BE THERMO-WELD OR COMPRESSION TYPE.

9-CONTRACTOR MUST PROVIDE PULLING WIRE (FISHWIRE) AT EACH SPARE CONDUIT.

10-MAXIMUM GROUND RESISTANCE AT ALL DISTRIBUTION SYSTEM MUST BE 10 OHMS. A GROUNDING ROD FOR NEUTRAL CONNECTION MUST BE INSTALLED EVERY FOUR POLES OR EVERY 1,000 FEET AND IN ALL TRANSFORMERS.

11-TWO SPARE CONDUITS FOR FUTURE USE MUST BE INSTALLED AT EACH POLE CONCRETE BASE AS REQUIRED BY LUMA.

12-POLE CONCRETE BASES MUST BE INSPECTED BY LUMA AT THE CONSTRUCTION PHASE.

MATERIALS:

1-ALL EQUIPMENT TO BE USED IN THE CONSTRUCTION HAS TO COMPLY WITH IEEE, ANSI, NEMA & ASTM STANDARDS.

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 TRANSFER TO THEM.

3-ALL MATERIAL & EQUIPMENT (INCLUDING TRANSFORMERS & SUBSTATION ENCLOSURES) TO BE INSTALLED WITHIN ONE(1) MILE OR LESS OF SALTWATER BODIES MUST BE CONSTRUCTED IN STAINLESS STEEL.

4-UNDERGROUND SYSTEMS, USE PRIMARY CABLES WITH 15KV STRESS CONE FOR DISTRIBUTION VOLTAGES AND 46KV STRESS CONE FOR 38KV VOLTAGE.

5-OVERHEAD SYSTEMS, USE 15KV POLYMER INSULATORS FOR DISTRIBUTION VOLTAGES AND 46KV POLYMER INSULATORS FOR 38KV VOLTAGE.

6-CONTRACTOR IS RESPONSIBLE OF PROPERLY MARKING ALL TRANSFORMERS TO BE TRANSFERRED TO LUMA WITH A PROPERTY NUMBER PROVIDED BY THE CORRESPONDING DISTRIBUTION ENGINEERING DEPARTMENT.

SPECIAL NOTES:

1-PROJECT OWNER SHALL PAY LUMA THE AMOUNT OF $-0- FOR THE EXISTING ELECTRICAL SYSTEM IMPROVEMENTS.

2-LUMA WILL NOT ENERGIZE THE PROJECT UNTIL THE OWNER HAS ESTABLISHED THE REQUIRED RIGHT OF WAYS IN ACCORDANCE WITH "REGLAMENTO DE SERVIDUMBRES PARA LA AUTORIDAD DE ENERGIA ELECTRICA". THIS NOTE APPLIES TO ALL REQUIRED RIGHT OF WAY, INSIDE & OUTSIDE THE PROPERTY LIMITS.

3-THE INSTALLATION OF THE METERING SYSTEMS HAD TO BE COORDINATED WITH THE REGIONAL METERING OFFICE. DESIGNER OR ELECTRICAL CONTRACTOR HAS TO CONSULT WITH THIS OFFICE ABOUT MATERIALS & EQUIPMENTS TO BE USED AND EQUIPMENT LOCATION.

4-THE INSTALLATION OF ELECTRICAL SUBSTATION, TRANSFORMERS OR ANY OTHER ELECTRICAL EQUIPMENT OVER SEWER SYSTEM, WATER LINES OR ANY OTHER UTILITIES IS PROHIBITED.

5-PRIOR PURCHASING ANY METERING EQUIPMENT, ELECTRICAL CONTRACTOR SHALL COORDINATE WITH LUMA'S METERING SECTION THE AVAILABILITY OF EQUIPMENTS TO BE SUPPLIED BY LUMA.

COORDINATION NOTES:

1-CONTRACTOR SHALL COORDINATE WITH LUMA FOR ANY WORK TO BE DONE ON ON EXISTING LINES, INCLUDING ANY CONNECTION, DISCONNECTION, RELOCATION, OR "VIA LIBRE" REQUIRED ON THIS WORK.
2-CONTRACTOR SHALL COORDINATE WITH P.R.T.C. FOR ANY WORK TO BE DONE ON EXISTING LINES, INCLUDING ANY CONNECTION, DISCONNECTION, RELOCATION, OR "VIA LIBRE" REQUIRED ON THIS WORK.
3-CONTRACTOR SHALL PROVIDE A HIGH POT TEST TO ALL H.V. CABLES WHICH WILL BE PULLED OUT FROM EXISTING CONDUITS AND RE-USED IN ANOTHER PLACE AS NOTED IN THIS DRAWINGS.
4-CONTRACTOR MUST PROVIDE A TELEPHONE OUTLET TO EACH ELEVATOR ROOM.

NOTES:

1-PVC CONDUIT SHALL BE USED EXCEPT WHERE NOT ALLOWED BY N.E.C. OR UNLESS OTHERWISE INDICATED, 3/4" IPS MINIMUM SIZE.
2-RSG FITTINGS SHALL BE CONCRETE TIGHT.
3-THHN WIRE SHALL BE USED UNLESS OTHERWISE INDICATED, #12 A.W.G. MINIMUM SIZE.
4-ELECTRICAL INSTALLATION SHALL BE DONE IN STRICT ACCORDANCE WITH N.E.C. AND P.R.E.P.A. REGULATIONS, APPLICABLE EDITION.
5-INSTALLATION DETAILS ARE ILLUSTRATIVE AND SHOULD NOT BE USED WITHOUT VERIFYING JOB SITE CONDITIONS, CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING ANY DEVIATION THEREFROM.
6-DIMENSIONS, QUANTITY AND LOCATION OF JUNCTION OR PULL BOXES SHALL BE REVISED BY ELECTRICAL CONTRACTOR ACCORDING TO ACTUAL FIELD CONDITIONS TO SECURE AT LEAST PERMISSIBLE MINIMUM CABLE BENDING RADIUS AND THE MAXIMUM PERMISIBLE PULLING TENSION. THERE SHALL NOT BE MORE THE EQUIVALENT OF FOUR (4) QUARTER BENDS (360° TOTAL) BETWEEN CABLE PULL POINTS.
7-ALL CONVENIENCE RECEPTACLES SHALL HAVE A #12 GREEN JUMPER BETWEEN RECEPTACLE GROUNDING SCREW AND THE OUTLET BOX GROUNDING SCREW.
8-RACEWAY SHALL BE PROVIDED WITH APPROVED EXPANSION FITTINGS WHERE CROSSINGS BUILDING EXPANSION JOINT.
9-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.
10-INSTALLATION SHALL BE DONE IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.
11-CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS AND/OR EQUIPMENT REQUIRED FOR A COMPLETE WORKING SYSTEM.
12-ALL CONDUIT IN DIRECT CONTACT WITH EARTH SHALL BE PVC SCH.40 PROVIDE WITH A GROUNDING CONDUCTORS AS PER N.E.C.
13-ALL PANELBOARDS SHALL BE UL LABELED WITH BOLT-ON TYPE CIRCUIT BREAKERS. FINAL LOCATION OF PANELBOARDS MAY VARY IN ACOORDANCE TO FIELD CONDITIONS. CONTRACTOR SHALL PREPARE SHOP DRAWING PRIOR TO FINAL EQUIPMENT INSTALLATION.
14-CONTRACTOR SHALL BALANCE ALL LOADS.
15-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.
16-CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR ALL UNDERGROUND PIPES, CONDUITS AND PULL BOXES.
17-FOR EXACT LOCATION OF ALL MECHANICAL EQUIPMENT REFER TO MECHANICAL DRAWINGS.
18-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.
19-ANY UNDERGROUND CONDUIT FOR SECONDARY FEEDER SHALL BE BURIED 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.
20-CONTRACTOR SHALL VERIFY ALL DISTANCES AT FIELD.
21-PROVIDE GROUND CONDUCTOR IN ALL CONDUITS RUNS AS PER NEC. 250.
22-CONTRACTOR SHALL PROVIDE & INSTALL A #14 FISHWIRE IN EVERY EMPTY CONDUIT.
23-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.
24-ALL EXPOSED CONDUIT RUN SHALL BE RIGID STEEL GALVANIZED.
25-ALL EQUIPMENTS AND RACEWAYS SHALL BE SEISMICALLY RATED AND SEISMICALLY SUPPORTED ES PER IBC 2018 REQUIREMENTS.
26-ALL EXTERIOR, EXPOSED JUNCTION BOXES SHALL BE WEATHERPROOF TYPE UNLESS OTHERWISE NOTED.
27-ALL BOXES SHALL BE 4" X 4" X 2½" MINIMUM GALVANIZED STEEL, PROVIDE 1 GANG R.C. WHEN ONLY ONE WIRING DEVICE IS SHOWN.
28-THIS DRAWINGS ARE A SCHEMATIC REPRESENTATION OF THE WORK TO BE PERFORMED. CONTRACTOR SHALL NOT RUN CONDUITS THRU ANY FIRE RATED CHASE, WALL, SLAB, OR BARRIER, IF A CONDUIT OR J.BOX IS INSTALLED OR ANY PENETRATION IN OR THRU FIRE RATED BARRIER, WALLS, CHASE, FLOORS, CEILING SLABS OR ANY CONDUITS PASSING FROM ONE LEVEL TO ANOTHER THRU THE FLOOR OR CEILING SLABS SHALL BE SEALED ACCORDINGLY TO IN ORDER TO MAINTAIN THE FIRE RESISTANT RATING OF THE OF THE WALL, SLAB, ENCLOSURE OR ASSEMBLY. RACEWAY PENETRATIONS THROUGH FIRE RATED PARTITIONS, CEILINGS, SLABS, AND SIMILAR COMPONENTS SHALL BE SEALED WITH FM & UL LISTED FIRE RETARDANT STOPS, FITTINGS, SEALING COMPOUNDS AND SLEEVES. FIRE STOP BARRIERS SHALL BE RATED BASED ON THE AFFECTED ASSEMBLY FIRE RATING. FIELD COORDINATE WITH ARCHITECTURAL, STRUCTURAL PLANS AND UTILITY FOR EXACT RATING AND LOCATION OF FIRE RATED PARTITIONS.
29-ALL INDICATED HEIGHTS ARE FROM CENTER OF BOX TO FINISHED FLOOR.
30-PRIOR TO ORDERING OF EQUIPMENT CONTRACTOR MUST VERIFY EQUIPMENT IS COMPATIBLE WITH ELECTRICAL SERVICE PROVIDED IN DWGS. (VOLTS, BREAKER, 60Hz).
31-CONTRACTOR MUST MARK & IDENTIFY ALL POWER RECEPTACLES FACEPLATE WITH STENCIL INDICATING PANELBOARD & CIRCUIT SERVING IT.
32-ALL CONDUCTORS SHALL BE COPPER, STRANDED, THHN INSULATED #12 AWG MINIMUM SIZE, UNLESS OTHERWISE NOTED.
33-WIRING DEVICES AND PLATES SPECIFICATION GRADE, SPECIFICATION GRADE, TO MATCH COLOR SELECTED BY ARCHITECT.
34-ELECTRICAL CONTRACTOR MUST MAKE FINAL CONNECTION TO ALL MECHANICAL EQUIPMENT UNDER THE DIRECT SUPERVISION OF THE MECHANICAL CONTRACTOR FROM A DOSCONNECT SWITCH OR MAGNETIC STARTER FURNISHED AND INSTALL BY ELECTRICAL CONTRACTOR LOCATED 5'-0" FROM EACH MOTOR.

LEGEND:

- DUPLEX RECEPTACLE 20A, 125V, 3W, GROUNDING TYPE, 1'-6" A.F.F. DECORA SPECIFICATION TYPE, WHITE,TAMPER RESISTANT
- DUPLEX RECEPTACLE 20A, 125V W/ G.F.I, WALL MOUNTED 1'-6" A.F.F. TAMPER RESISTANT
- W.P. SAME AS ABOVE BUT WITH WHILE IN USE WEATHERPROOF PLATE, WHITE COLOR WEATHERPROOF PLATE SHALL BE IN USE RAINTIGHT COVER LEVITON 5977-GY TAMPER RESISTANT
- 250V, 2Ø, 20A, SINGLE RECEPTACLE GND, TYPE RECEPTACLE 1'-6" A.F.F.
- SAFETY DISCONNECT SWITCH SIZE AS INDICATED
- COMBINATION MAGNETIC STARTER & DISCONNECT SWITCH W/H.O.A. SELECTOR SWITCH AND PILOT 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, QUIET TYPE, 4'-0" A.F.F. DECORA SPECIFICATION TYPE, WHITE
- CIRCUIT BREAKER PANELBOARD, 6'-0" A.F.F. TO TOP
- NEW CONDUIT RUN IN HUNG CEILING
- NEW CONDUIT RUN EXPOSED
- NEW CONDUIT RUN EMBEDDED IN FLOOR SLAB OR WALLS (WIRING AS PER MANUFACTURER RECOMENDATIONS)
- CONDUIT RUN TO PANELBOARD CIRCUIT BREAKERS AS INDICATED
- HASH MARKS INDICATED NUMBER OF CONDUCTORS (LEFT TO RIGHT: PHASE/SWITCH LEG/NEUTRAL/GROUND) NO HASH MARKS INDICATES 2#12-1#12 GND, 3/4"C, UNLESS OTHERWISE INDICATED.
- UP. CONDUIT STUB-UP
- DN. CONDUIT STUB-DOWN
- SURFACE MOUNTED SEALED & GASKETED LED FIXTURE
- WALL MOUNTED EMERGENCY LIGHT FIXTURE

ABREVIATIONS

"G.F.I."	DENOTES GROUND FAULT CIRCUIT INTERRUPTER
"AFF"	DENOTES ABOVE FINISHED FLOOR
"FBO"	DENOTES FURNISHED BY OTHERS
"AEE"	DENOTES P.R. ELECTRIC POWER AUTHORITY
W.P.	WEATHER PROOF
N	DENOTES NEW
E	DENOTES EXISTING TO REMAIN
R	EXISTING RELOCATED DEVICE
ER	DENOTES EXISTING TO BE REMOVED
NL	NIGHT LIGHT

PANELBOARD SCHEDULE

PANEL DESCRIPTION: (P) — LOCATION: BUILDING
VOLTS: 240/120V-2PH-3W — AMPS: 200A
MOUNTING: SURFACE — I.C.: 10,000
PANEL TYPE: CUTLER HAMMER — REMARKS:

LOAD DESCRIPTION	FRAME	TRIP	CKT. NO.	CKT. NO.	TRIP	FRAME	LOAD DESCRIPTION
RECEPTACLES		20	1	2	20/GFI		LINEAR LIGHTS
RECEPTACLES		20	3	4	20/GFI		LINEAR LIGHTS
RECEPTACLES		20	5	6	20/GFI		BUILDING LIGHTS
ACTIVITIES DISCONNECT		20	7	8	20/GFI		STAGE LIGHTS
			9	10	20/GFI		CONCRETE SEATS LIGHTS
TTC		20	11	12	20/GFI		STEP LIGHTS
SPARE		20	13	14	20/GFI		LIGHTS
SPARE		20	15	16	20		SPARE
SPARE		20	17	18	20		SPARE
SPARE		20	19	20	20		SPARE
SPARE		20	21	22	20		SPARE
SPARE		20	23	24	20		SPARE
SPARE		20	25	26	20		SPARE
			27	28			
			29	30			
			31	32			
			33	34			
			35	36			
			37	38			
			39	40			
			41	42			

ADVANCE PRINT
DATE: June 15, 2023.

Notes:

1.0 Do not scale dimensions from drawings. Dimensions govern.
2.0 All dimensions are in feet and inches, unless noted otherwise.
3.0 The contractor shall check all dimensions, levels and angles on site prior to commencing any work.
4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.
5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS

REV. #	DATE	ISSUING REASON
1	05.ix.17	Explanation

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6777 AT. 700 Carolina, PR. 00979 - Suite 221 Carolina, PR. 00979 — Office Tel. 01 (787) 556-1520 — e-m.ail: in4o4orm.atinestudio.com

PROJECT TILE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

DWG. TITLE

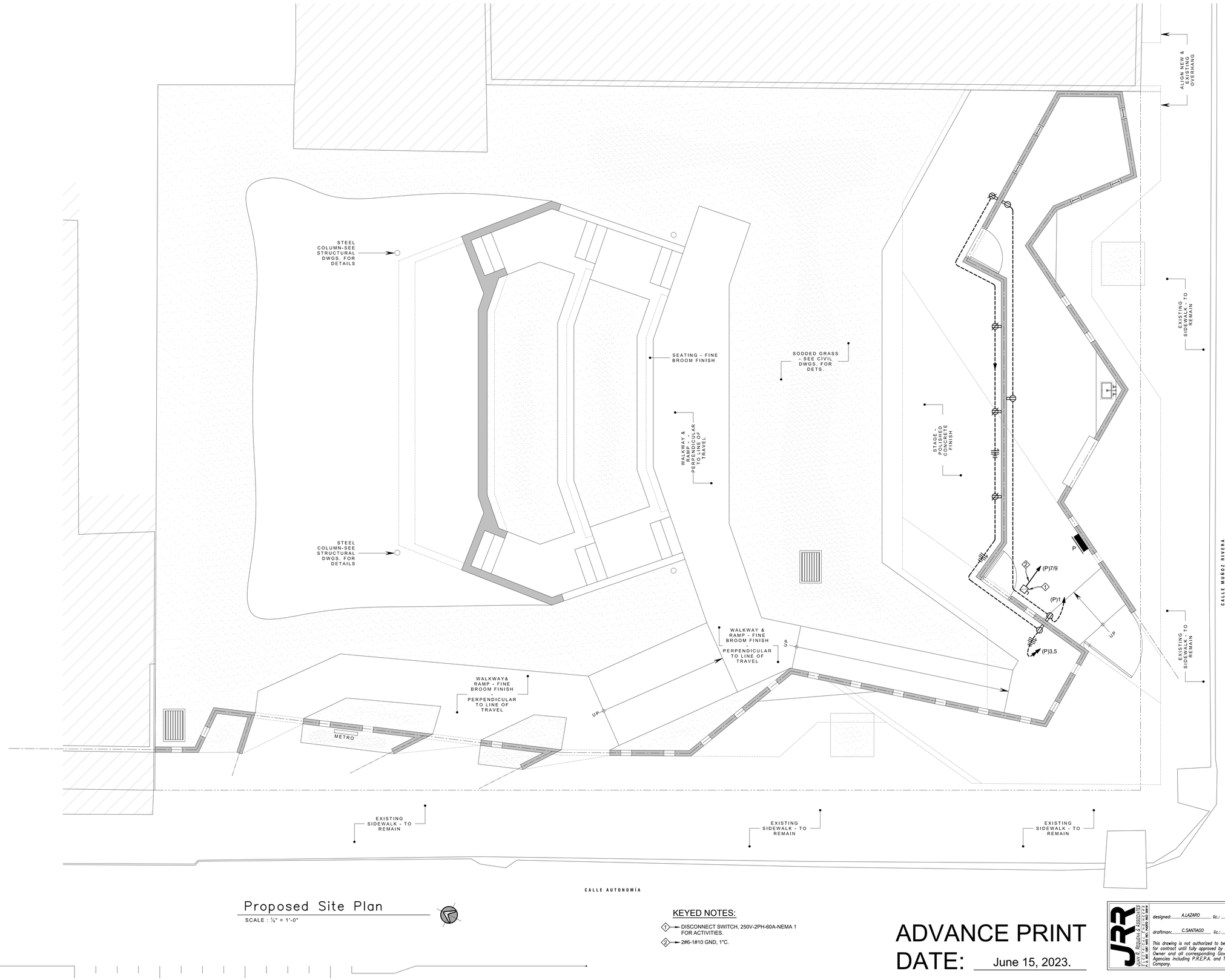
Proposed Layout Plan

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

REVISION #	PROJECT PHASE
XX-XX	Advanced Print - 90%
SHEET #	DRAWN BY / DATE
9	krs / 16.xii.2022

DISCIPLINE
ES-2.0

JRR — JUAN R. RIVERA & ASSOCIATES — ELECTRICAL ENGINEERS
designed: A.LAZARO lic.: 11483
draftman: C.SANTIAGO lic.: 0388
This drawing is not authorized to be released for contract until fully approved by Architect, Owner and all corresponding Government Agencies including P.R.E.P.A. and Telephone Company.



Proposed Site Plan

SCALE : ¼" = 1'-0"

KEYED NOTES:

1. DISCONNECT SWITCH, 250V-2PH-60A-NEMA 1 FOR ACTIVITIES.
2. 2#6-1#10 GND, 1"C.

ADVANCE PRINT
DATE: June 15, 2023.

Notes:

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2.0 All dimensions are in feet and inches, unless noted otherwise.

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5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS

REV. #	DATE	ISSUING REASON
1	05.ix.17	Explanation

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CERTIFICACIÓN - CERTIFICATE - PERMIT NUMBER

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Tel. +1 (787) 756-1520 e-mail:
in@informationstudio.com

PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

DWG. TITLE

Proposed Electrical Layout Plan

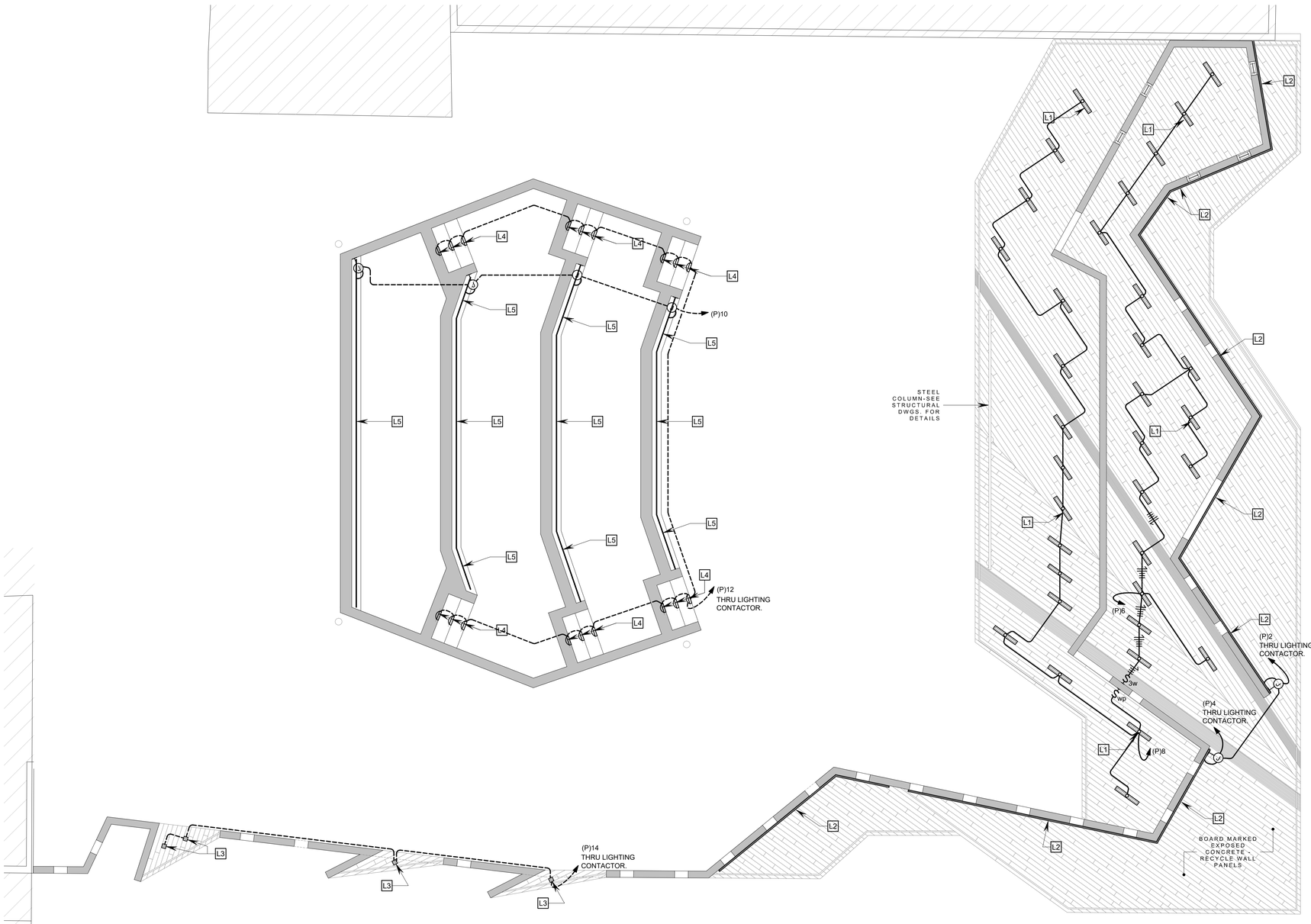
CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT #: xx-xx
PROJECT PHASE: Advanced Print - 90%
SHEET #: 9
DRAWN BY: krs
DATE: 16.xii.2022
DISCIPLINE: E-1.0

JRR — José R. Pedrosa & Associates, P.S.C. — Electrical Engineers

designed: A.LAZARO lic.: 11483
draftman: C.SANTIAGO lic.: 0388

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Reflected Ceiling Plan

SCALE : ¼" = 1'-0"

NOTE:

1-FOR LIGHTING FIXTURES EXACT LOCATION , MOUNTING DETAILS AND SPECIFICATIONS REFER TO ARCHITECTURAL DRAWINGS.

ADVANCE PRINT
DATE: June 15, 2023.

Notes:

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2.0 All dimensions are in feet and inches, unless noted otherwise.

3.0 The contractor shall check all dimensions, levels and angles on site prior to commencing any work.

4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.

5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS

REV. #	DATE	ISSUING REASON
1	05.ix.17	Explanation

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PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

DWG. TITLE

Proposed Lighting Layout Plan

CLIENT

Municipality of Canóvanas - Hon. Lornna J. Soto

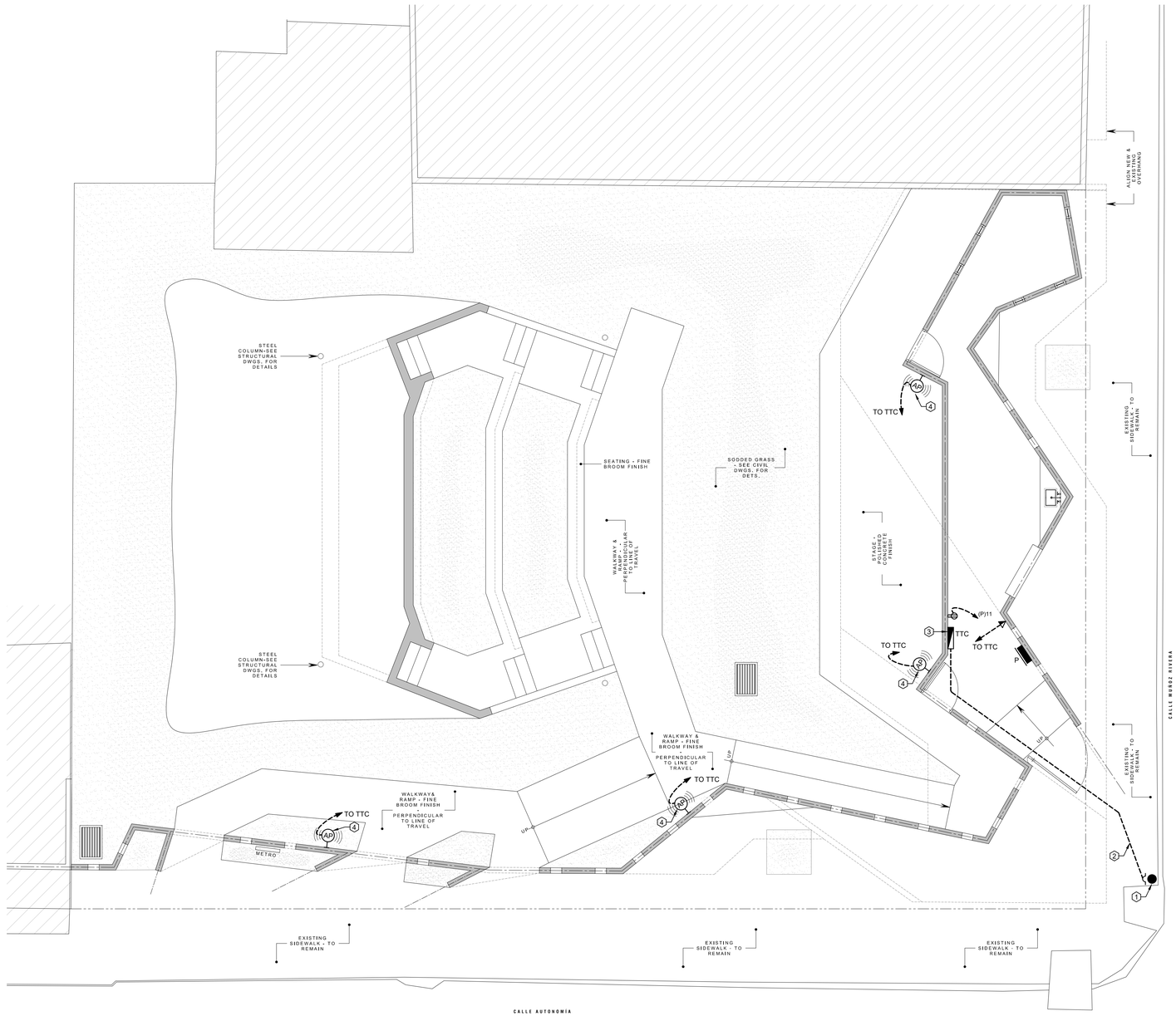
PROJECT #	PHASE/STAGE
xx-xx	Advanced Print - 90%
SHEET # 10	DRAWN BY krs / DATE 16.xii.2022

DISCIPLINE

E-1.1

JRR
JAIME ROSENDO RIVERA ASSOCIATES
designed: A.LAZARO lic.: 11483
draftman: C.SANTIAGO lic.: 0388

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Proposed Site Plan

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

KETED NOTES:

1. EXISTING POLE WITH NEW TELECOMMUNICATION RISER 2-2" PVC SCH. 40 CONDUITS.
2. UNDERGROUND TELECOMMUNICATION CONDUIT RUN CONSISTING OF: 2-2" PVC SCH. 40 CONDUITS.
3. NEW TELECOM TERMINAL CABINET 3/4" x 4' x 8' PLYWOOD PANEL.
4. 4-INCH SQUARE BOX WITH WI-FI ANTENNA.
5. ▽4-INCH SQUARE BOX FOR DATA/TELEPHONE OUTLET.

LOCATION PLAN

SCALE: 1=20,000

LAMBERT COORDINATES

X: Y:

Notes:

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2.0 All dimensions are in feet and inches, unless noted otherwise.

3.0 The contractor shall check all dimensions, levels and angles on site prior to commencing any work.

4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.

5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS

REV. #	DATE	ISSUING REASON
1	05.ix.17	Explanation

PROFESSIONAL SEAL

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JULIEN MANTILLA
LICENSED LANDSCAPE ARCHITECT
LICENCIADO EN ARQUITECTURA DEL PAISAJE
LAS DISPOSICIONES DE ESTE PLANO CUMPLEN CON LOS REGLAMENTOS Y ESPECIFICACIONES APLICABLES DE LA JURISDICCIÓN
ADA
ASTM
LAS DISPOSICIONES DE ESTE PLANO CUMPLEN CON LAS ESPECIFICACIONES APLICABLES DE LA JURISDICCIÓN
ESTE PLANO ES PROPIEDAD INTELECTUAL DE LA ARQUITECTA Y NO PUEDE SER UTILIZADO POR NINGUNA PERSONA SIN EL CONSENTIMIENTO ESCRITO DE LA ARQUITECTA

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– Suite 221 Carolina, PR, 00979 – Office
Tel. +1 (787) 256-5520 e-mail
info@informationstudio.com

PROJECT TILE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

DWG. TITLE

Proposed Layout Plan

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT #	PROJECT PHASE
xx-xx	Advanced Print - 90%
DRAWING #	DRAWN
9	krs 16.xii.2022

DESIGNATION
T-1.0

ADVANCE PRINT
DATE: June 15, 2023.

JRR
JULIO RODRIGUEZ & ASSOCIATES
P.S.C. & P.E. LICENSE NUMBER 10,000

designed: A.LAZARO lic.: 11483
draftman: C.SANTIAGO lic.: 0388

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Exhibit 10 b

OFICINA ESTATAL DE
CONSERVACIÓN HISTÓRICA
GOBIERNO DE PUERTO RICO

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

Thursday, April 24, 2025

Lauren B Poche

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

SHPO-CF-11-27-24-05 PR-CRP-000315 (Canóvanas), Plaza de Artes Teatrales

Dear Ms. Poche,
We acknowledge receipt of the archaeological monitoring work plan submitted on April 17, 2025, for the case mentioned above. The plan is deemed acceptable, and we concur with its implementation. Please notify the PRSHPO the archaeological monitoring start date 48 hours prior to the initiation of work.
If you have any questions concerning our comments, do not hesitate to contact our Office.

Sincerely,

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

GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

April 30, 2024

Arch. Carlos A. Rubio Cancela
Executive Director
Puerto Rico State Historic Preservation Office
Cuartel de Ballajá, Third Floor
San Juan, Puerto Rico 00901

Re: Authorization to Submit Documents for Consultation

Dear Arch. Rubio Cancela,

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

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

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

Cordially,

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

April 17, 2025

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

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

Re: SHPO-CF-11-27-24-05 – PR-CRP-000715, - Plaza de Artes Teatrales, Canóvanas, Puerto Rico – Archaeology Monitoring Work Plan Submission

Dear Architect Rubio Cancela,

On behalf of the Puerto Rico Department of Housing (PRDOH), we thank you for your letter dated December 17, 2024, in response to the submission of documentation for PR-CRP-000315, Plaza de Artes Teatrales project. The letter stated your office had determined your records supported the finding of no adverse effect for the proposed undertaking conditioned to archaeological monitoring during all ground disturbing activities for the project, and the preparation and submission of an archaeological monitoring work plan for review and concurrence.

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

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

Kindest regards,



Lauren Bair Poche. M.A.
Architectural Historian, EHP Senior Manager
LBP/KPS

Attachments

PRDOH CDBG-DR CRP Program

Plaza de Artes Teatrales

Canóvanas, Puerto Rico

SHPO-CF-11-27-24-05 PR-CRP-000315



Archaeological Monitoring Plan

Prepared by:
Imandra Martínez-Castañeda
Archaeologist – **Plexos Group**
Assisted by Archaeologist Larissa García-Cabrera

April 2025

Incorporating the Archaeological Monitoring Work Plan Template developed by Archaeologist Sharon Meléndez Ortiz, HORNE PR,2023

PREAMBLE

The Municipality of Canóvanas is seeking Community Development Block Grant disaster recovery funds financed by the federal Department of Housing and Urban Development due to damage received by the 2017 Hurricanes Irma and Maria. The Puerto Rico Department of Housing (PRDOH) has established an Agreement between PRDOH and the Municipality of Canóvanas for the City Revitalization Program as part of the Community Development Block Grant for Disaster Recovery (CDBG-DR) Program. The Municipality of Canóvanas proposes to build an open-air amphitheater and stage area called Plaza de Artes Teatrales in a vacant lot located in the Canóvanas Traditional Urban Center (Eligible District to the National Register of Historic Places, NRHP). The Puerto Rico State Historic Preservation Office (PRSHPO), in a letter dated December 17, 2024, concurred with a finding of No Adverse Effect for this undertaking conditioned to the implementation of archaeological monitoring for all ground-disturbing activities.

The undertaking will create a social space for the youth to gather and practice as the lot is across the Eugenio Maria de Hostos School, which specializes in music and arts. The project includes the demolition of an existing concrete slab and sidewalk, site grading, new landscaping, along with the transplantation of existing trees, the removal of electrical poles, and the installation of underground electrical lines. The construction of the stage area within the lot consists of a 250 square feet area and a connected wall that maintains the urban façade of the area. The structure's height is leveled with adjacent buildings to enhance its architectural features within the urban setting. The project's height will not interfere with the façades of nearby eligible historic properties, including the Eugenio María de Hostos School and the Andrés Flores López School, thus preserving the architectural integrity of these landmarks. The project will fully adhere to Universal Design standards to ensure everyone can access and enjoy the facilities. It will feature ramps for easy access. Since the existing ground levels will remain unchanged, only minimal excavation will be required for the foundations.

The direct APE for this project encompasses a 97-foot long by 69-foot wide rectangular lot with a footprint of approximately .14 acres (6,693 square feet). It is flanked by Muñoz Rivera Street to the south, Autonomía Street to the west, a two-story housing building to the east, and a commercial building to the north. The lot is situated at the corner of the two streets mentioned above.

The visual APE is the viewshed of the proposed project, which includes the surrounding pavement along with a two-story residential building to the east, one one-story commercial building to the north and south, and a multi-story public school building on the western side, all made out of concrete and dating back to the 1970s. According to the previous investigation (Montenegro, Cristina and Gonzalez, Tamara. CRP-000315, Section 106 NHPA Effect Determination. Plaza de Artes Teatrales, City Revitalization Program, 2024),

this public-school building is eligible for inclusion in the National Register of Historic Places. The visual elements collectively define the character of the APE's immediate visual environment, emphasizing the interaction between historic and contemporary architectural features. The viewshed comprises approximately 5.38 acres (0.17 miles X 0.05 miles)

The objectives of this archaeological monitoring plan are: (1) to establish measures to prevent indirect adverse effects on known historical resources; (2) to establish the protocol to be followed in archaeological monitoring; (3) to establish the protocol to be followed if previously unknown resources are identified; (4) to establish the protocol to be followed if there are any unexpected or previously unanticipated adverse effects; (5) to locate, evaluate and document archaeological resources during project development; (6) to recover as much archaeological information as possible during excavation and construction; (7) to conserve and enhance the value of the archaeological resources located and documented; and (8) in the event that the archaeological resource cannot be conserved in situ, to conserve it through documentation (preservation by record).

This document complies with applicable federal and state laws, regulations, and guidelines, and is consistent with the Secretary of the Interior's (SOI) Guidelines for Archeological Documentation, the Advisory Council on Historic Preservation's (ACHP) recommendations on the recovery of significant information from archaeological sites as updated in 2009, and Regulation #8932 of the Institute of Puerto Rican Culture (ICP). The plan was prepared by archaeologist Imandra Martínez Castañeda, who meets the Professional Qualifications Standards set forth in 36 CFR Part 61.

Figure 1. Project Location,1950 topographical map of the urban area of Canóvanas. The project parcel location is highlighted in red (Source: United States Department of the Interior, Geological Survey. Original scale 1:10,000)

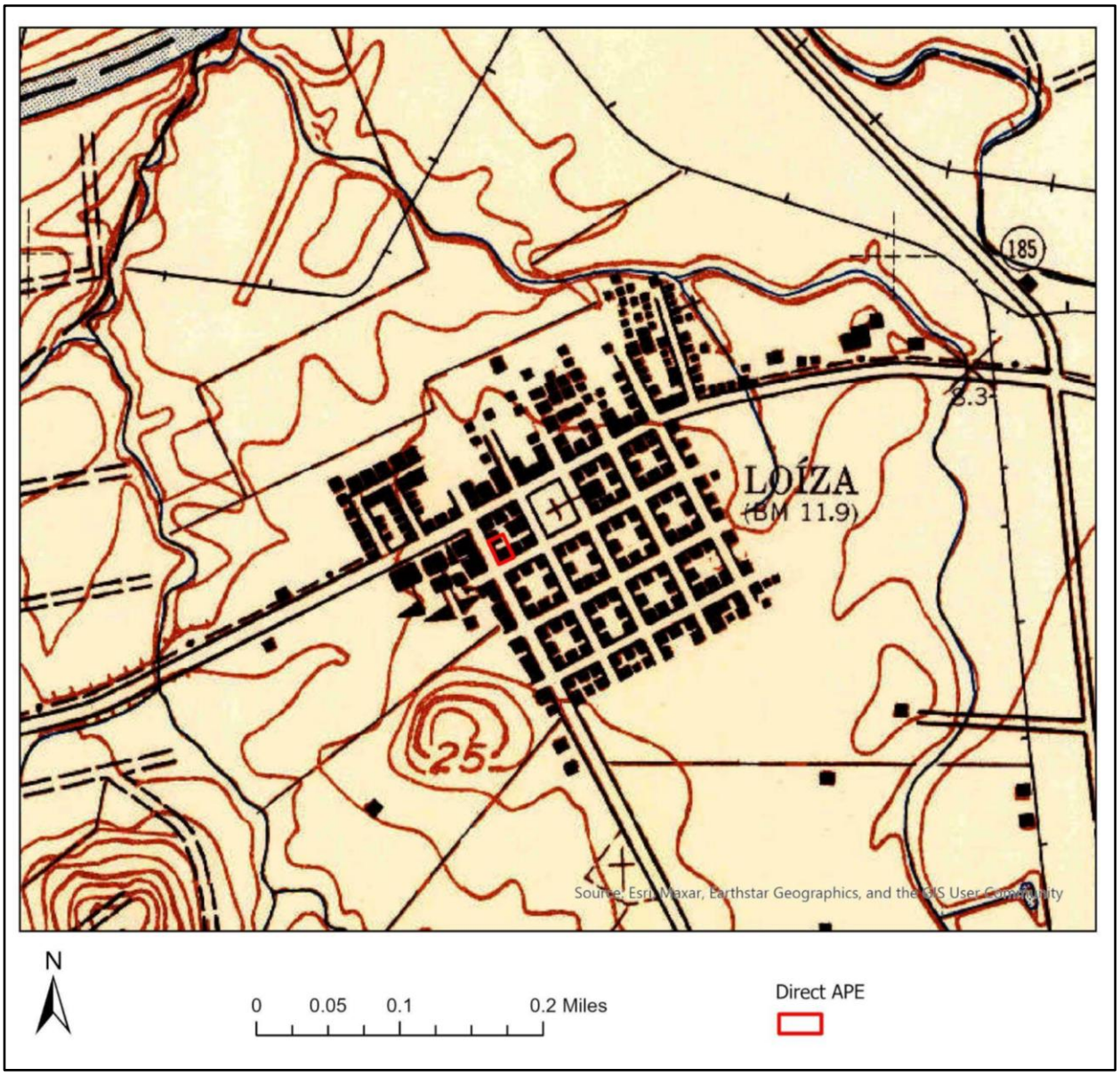
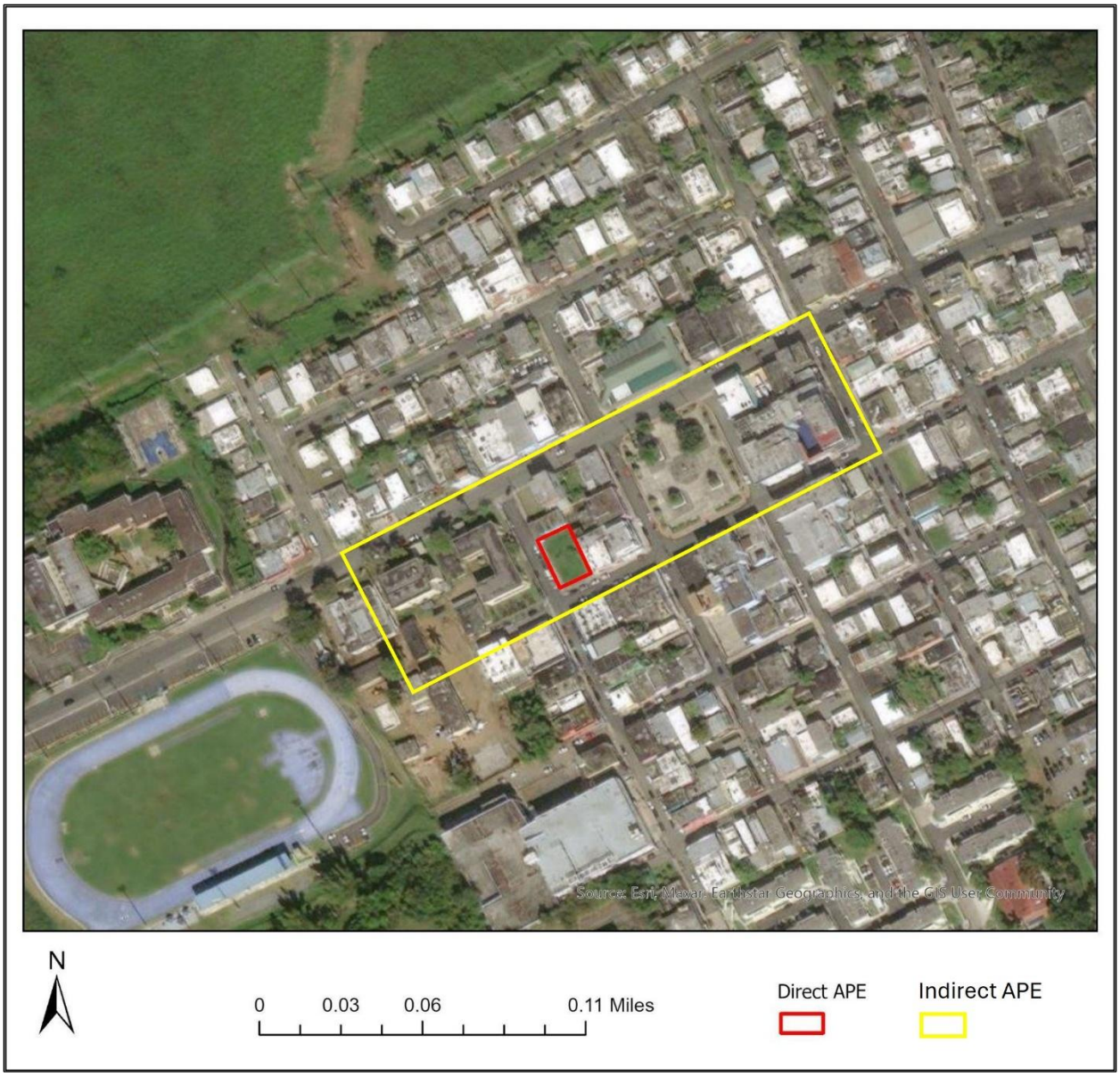


Figure 2. Project Location. Area of Potential Effect Map, Plaza de Artes Teatrales. Direct APE is highlighted in red. (Source: ESRI, ArcGIS Pro, 2025)



This scope of work is divided into six (6) sections and one (2) appendix. The section following this preamble discusses the proposed construction works. The third section includes a brief description of the historic properties located within the APE and of the archaeological potential of the area. The fourth section provides a detailed description of the archaeological monitoring procedure to be carried out before, during, and after the construction works. Section V includes the professional qualifications of the team that will implement this monitoring plan, and the last section includes the references cited. The plan closes with an appendix with a model of a daily monitoring activity sheet (Appendix A).

1. PROJECT DESCRIPTION

The project aims[1] for the improvements to *Plaza de Artes Teatrales* located in the eligible District Canóvanas Traditional Urban Center.

Demolition works

1. The existing concrete slab, located north of the lot at grade level, will be demolished.
2. A total of nine existing palm trees will be transplanted.
3. The existing sidewalk will be demolished, requiring excavation to a depth of 1 foot.
4. Existing electrical poles will be removed and disposed of, and all electrical lines will be buried. This will require excavation to a maximum depth of 3 feet.

Ground disturbing activities

1. Excavation for Foundations:
    a. Excavations will be conducted to a depth of approximately 2 feet, with widths ranging from 1 to 5 feet, depending on the structural requirements of the foundation.
2. Site Grading:
    a. Minor grading will entail the removal or redistribution of soil to a depth of up to 1 foot. This process will ensure proper drainage and provide a stable surface for construction activities. Additionally, soil will be filled to a height of 6 feet to create a vegetative berm, which will support the proposed outdoor amphitheater.
3. Excavation for Landscaping:
    a. Excavations for landscaping features, such as tree planting and garden beds, will generally range from 1 to 3 feet in depth and up to 3 feet in width. These excavations will be confined to designated planting areas.
4. Electrical Line Installation:
    a. The excavation required for the installation of electrical lines will involve digging trenches approximately 3 feet deep. The width of these trenches will typically range from 1 to 2 feet to accommodate the electrical conduits and allow for proper backfilling.

New construction

1. Concrete foundation for the adjacent urban wall.
2. Open-air concrete amphitheater with a designated stage area.
3. Implementation of landscape design as a reforestation strategy.

[1] For a better understanding of the proposed undertaking, see attached the most recent design plans of the project (Appendix B).

The demolition work will be performed using lightweight equipment. The contractor shall take precautions during demolition works on areas identified as environmentally, architecturally, and archaeologically sensitive. During the demolition and construction process, erosion and sedimentation control measures will be implemented to avoid sediment discharge into the road surface and storm sewer system during rainfall events.

Figure 3. Plaza de Artes Teatrales. Demolition site plan. (Source: Drawing ED–1.0, in.formation Studio, 2022)

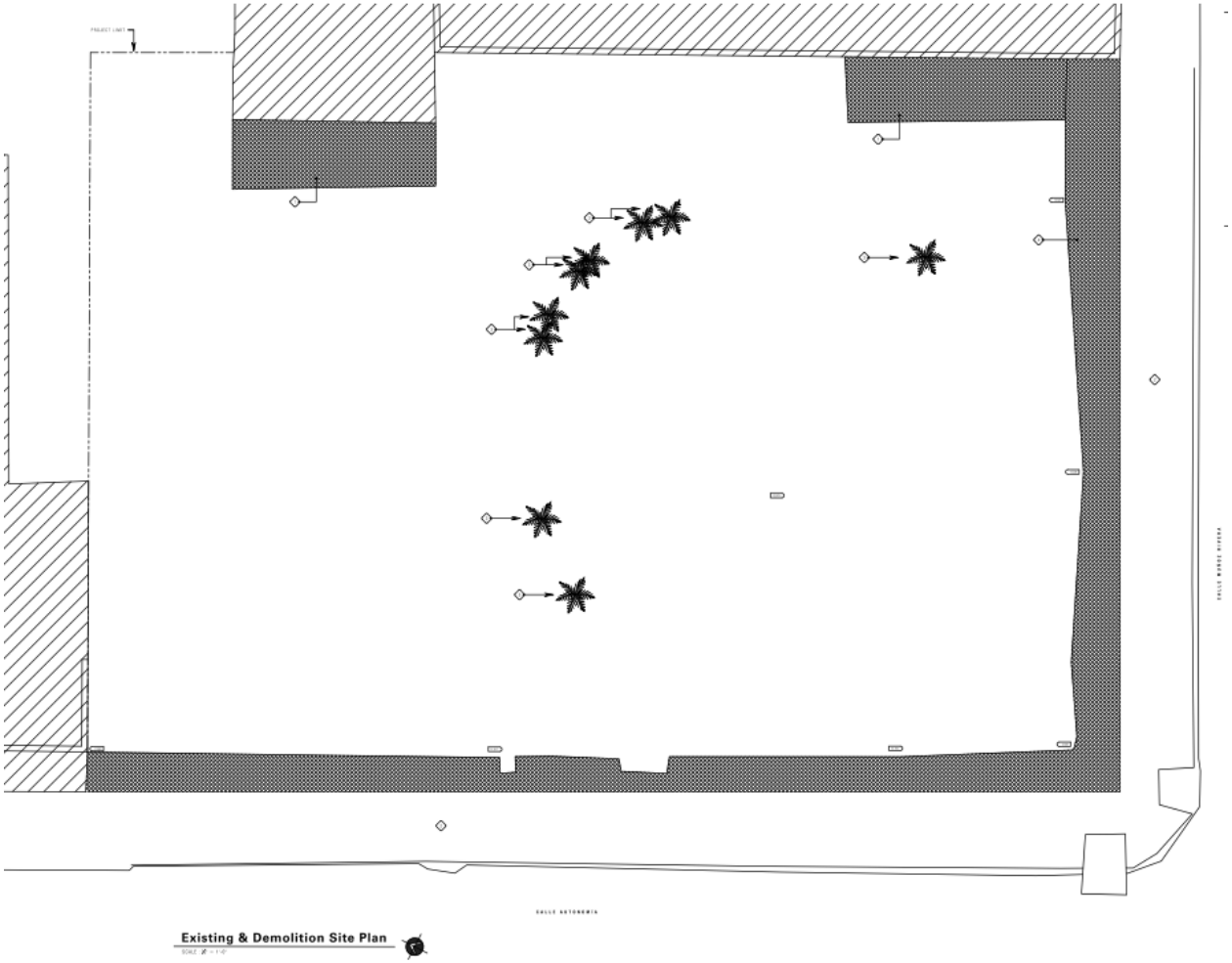
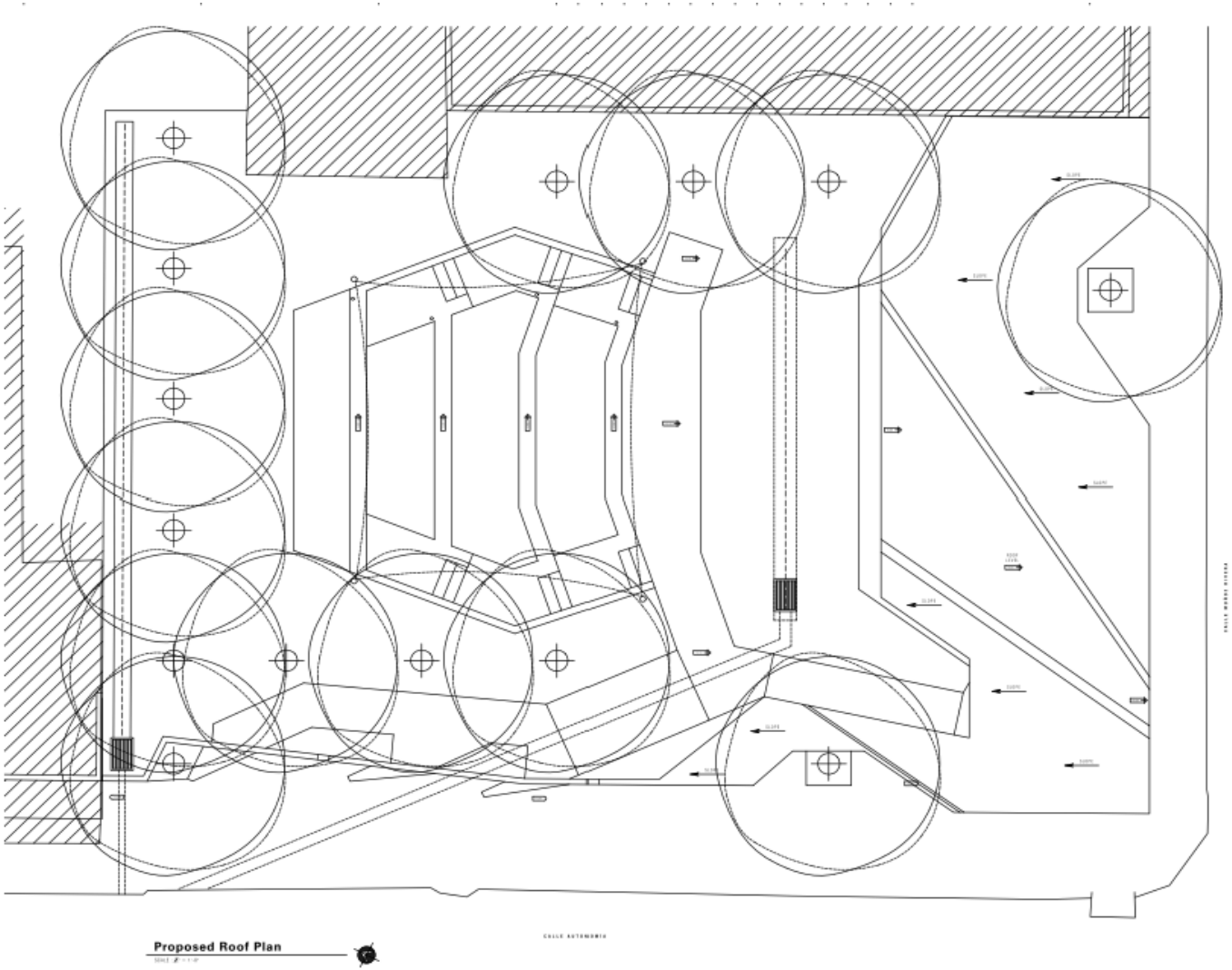


Figure 4. Plaza de Artes Teatrales. Proposed site plan. (Source: Drawing AS-1.0, in.formation Studio, 2022)



2. HISTORIC PROPERTIES WITHIN THE APE

According to the Section 106 Determination Form, the project will take place on a vacant lot located in the Canóvanas Traditional Urban Center eligible district. The direct APE for this project historically used to feature a two-story L-shaped concrete structure, known as *La Carnicería*. Aerial images and topographic maps have established the presence of this structure since 1931. This structure is no longer visible in the 2012 map, presuming it was demolished between 2009 and 2012. According to the Section 106 NHPA Effect Determination Form, Canóvanas and Loíza have been related since prehistoric times. After Loíza regained its autonomy from Río Grande in 1909, the capital of the Municipality was established in the old town of Canóvanas. Since then, the progress and development of this town began. Because of its fertile soils, and several rivers and streams running through the area, such as the Río Grande de Loíza and the Canóvanas, the municipality was focused on sugar cane cultivation and grazing until the 19th century. Moreover, due to its connections to the sugar production, Canóvanas was, for four centuries, the most significant area of the old Loíza district, with the *Central Canóvanas* operating from the early 19th century until 1966, with its last harvest in 1950.

The construction of Highway 3 near Canóvanas improved access to Loíza, which is located north, making Canóvanas an entryway to this town. In addition, the municipality purchased land to construct the Town Hall and various buildings equipped with essential amenities, as required by the Laws of the Indies. This plan caused discomfort among the northern "loiceños," who advocated for the separation of the two communities. As a result, in the 1970s, Canóvanas emerged officially as a town. However, in the historical maps of 1941, the urban center of Canóvanas appeared well structured with its blocks' grid oriented diagonally towards the northwest. The blocks define the boundaries adjacent to the streets, and their interiors were designed to be open yet contained. This configuration is likely intended to accommodate shared patios between the lots, promoting communal interaction. This does not reflect the grid's current condition.

The structure that once existed in the project area was built in 1917 by David Carrión and later owned by his daughter Angélica Carrión and her husband Don José Flores Mundo Pagán. It was intended as a butcher shop, dairy, and the main house of the Mundo family. According to a design plan attached to the Section 106 determination form, the proposed project is located on a parcel consisting of two lots, with the northern lot containing a wooden residence. Another wooden structure is attached to the south wing of the L-shaped concrete building. (see figure 6) The structure is described as a neoclassical building with eclectic and naive details, with two façades, that includes pilasters tapering the top and composite capitals, modillions, a cornice with frieze, and a pediment. According to the researchers, it was the first concrete building built in Canóvanas, and along with the town hall, was the only monumental building in town. It was ultimately abandoned in 1972.

Within a quarter-mile radius of the APE, multiple buildings were identified and considered eligible to be included in the National Register of Historic Places, and some are already included in the Historic Properties list of the Puerto Rico Planning Board and the *Instituto de Cultura Puertorriqueña*; such as Canóvanas Public Square (1917), Canóvanas Town Hall (ca.1920, neoclassical style), Municipal Cemetery (ca. 1930), Nuestra Señora del Pilar Parish (ca. 1970, postmodern style), Colegio Nuestra Señora del Pilar (ca. 1970, postmodern style), Andrés Flores López School (ca. 1940, neo-renaissance), Eugenio María de Hostos School (ca. 1925, postmodern style), Fire Station (ca. 1942-1955, Art Deco style), Seventh-day Adventist Church (ca. 1970, Postmodern style), Jesús T. Piñero Residential (ca. 1954, postmodern style), A commercial three-story building (ca. 1970), a commercial two-story building (ca. 1964), and Farmacia Olivero (ca. 1960).

Archaeological Potential

The studies consulted during the investigation of the Section 106 NHPA Effect Determination Form (Montenegro and González, 2024) reveal that the project area is of great archaeological and cultural value as it is located within the Canóvanas Traditional Urban Center (TUC) and for its geographical characteristics. Several bodies of water are near the project area, such as the Río Grande de Loíza approximately .40 miles north, Quebrada Bocaforma .80 miles west, and the north coast 5.34 mi north. Inside a quarter-mile radius of the Canóvanas TUC, no archaeological sites belonging to the pre-columbian culture were registered in the State Historic Preservation Office and *Instituto de Cultura Puertorriqueña* inventories. Moreover, the researchers suggest that the area has undergone multiple modificatios lowering the possibility of identifying pre-columbian resources in future projects. As for archaeological studies, the Section 106 Determination Form established 7 archaeological surveys that have been carried out within the radius, however none had positive results for pre-columbian deposits, and three were positive for historic deposits. A phase IAIB carried out in 1986 for the project *Residencia Quintas de Canovanas* identified 608 meters from the project area the foundations of the old railroad track that was used to transport sugar cane. In the same year a phase IB was made 335 meters from the project area for the Canovanillas Trunk Sewer project where the Hacienda San Luis was identified.

On the other hand, phase IAIB was conducted in the project area in 2023. Five trenches were carried out, three in the northern part of the lot and two in the southern part, four yielding positive results, as structural remains were found. In the trenches from northern area *socos* and *zapatas* were identified, and a *zapata* and *pie de amigo* also were found in the southern part. The excavations did not reveal a deposit of cultural artifacts related to the domestic and commercial activities associated with the structure that was once here. According to the researchers, archaeological artifacts were scarce and were found together with modern garbage. They also suggest that the structural remains have integrity, and it is possible that further excavations on other parts of the lot may uncover archaeological deposits with stratigraphic integrity.

Being the project area in the heart of the NRHP-eligible District of Canóvanas Traditional Urban Center, reinforce the approach mentioned above. The potential for unearthing other archaeological materials related to past lifestyles during ground-disturbing activities is

considered non-negligible. Previous cultural layers impacted by disasters like fires, earthquakes, or hurricanes could also be identified. Below is a series of images related to the historical and archaeological significance of the site, as well as its historical uses.

***Figure 5. According to Section 106 NHPA Effect Determination, PR-CRP-000315, the plan* presents the silhouette of the property in its "L" shape. It shows the dimensions of the structure and the lot where it is located.**

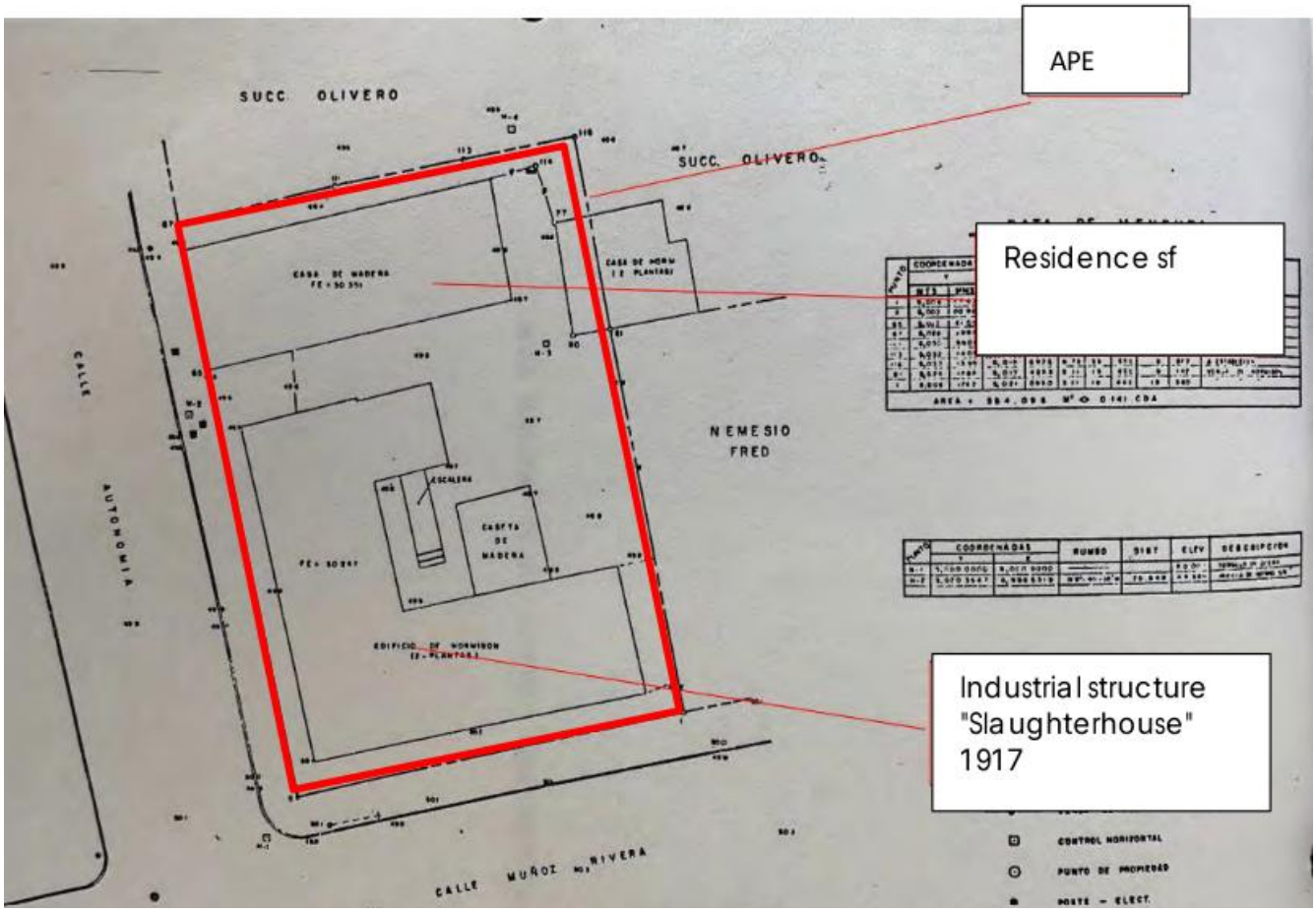


Figure 6. The "Antigua Lechería", Mundo Pagán family (1917)-Munoz Rivera Street, corner of Autonomía Street. ICP's office (Sources: ICP's office, Section 106 NHPA Effect Determination, PR-CRP-000315).



Figure 7. 1937 aerial photograph of the urban area Canóvanas. The project parcel location is highlighted in red (Source: DTOP, PR, georeferenced in ArcGIS, 2025)



Figure 8. 1951 aerial photograph of the urban area of Canóvanas. The project parcel location is highlighted in red (Source: DTOP, PR, georeferenced in ArcGIS, 2025)



Figure 9. 1967 aerial photograph of the urban area of Canóvanas. The project parcel location is highlighted in red (Source: USGS Earth Explorer, georeferenced in ArcGIS, 2025).



Figure 10. 1969, topographic map of the urban area of Canóvanas. The project parcel location is highlighted in red (Source: United States Department of the Interior, Geological Survey. Original scale 1:20,000)

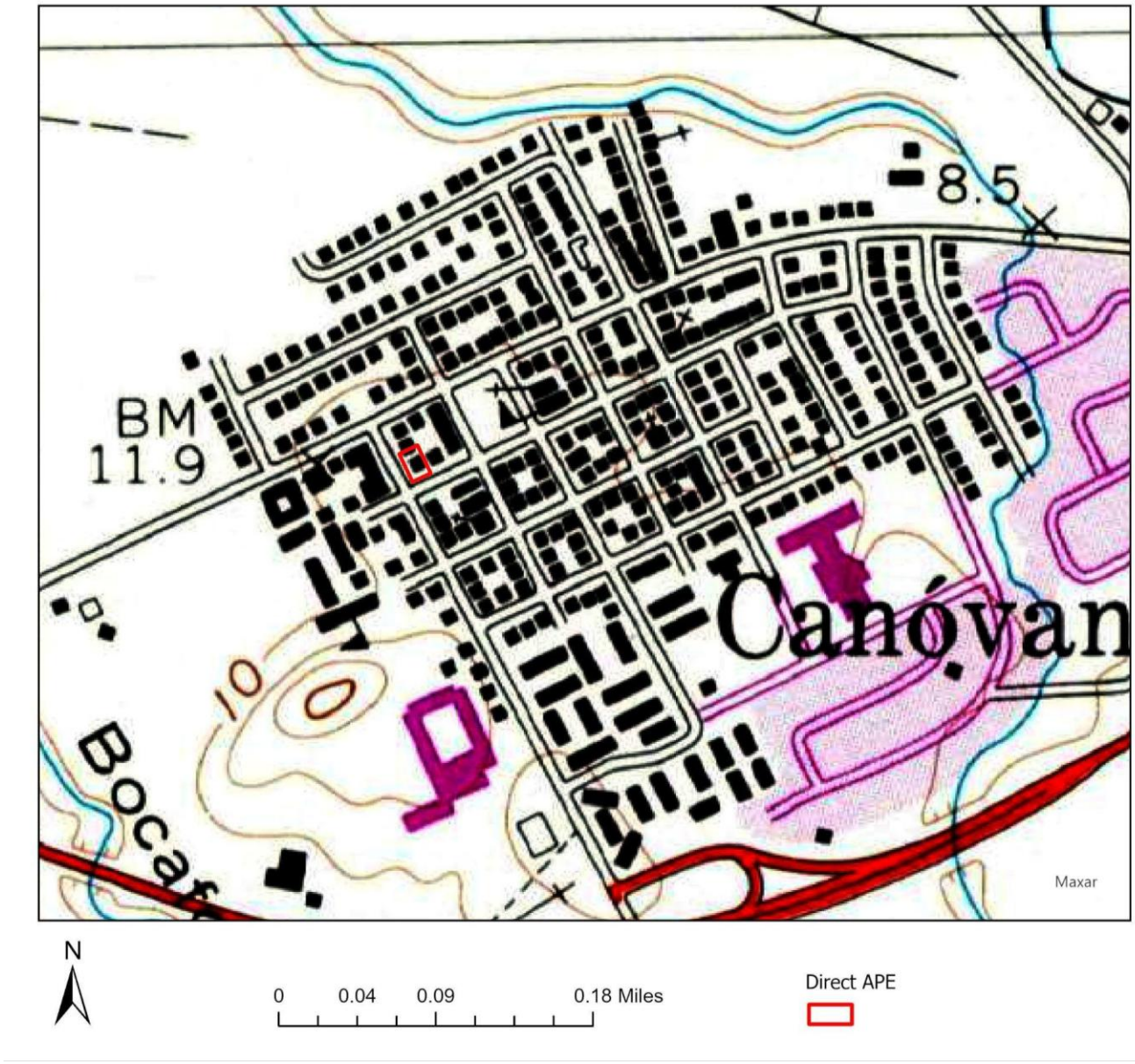


Figure 11. 1983 aerial photograph of the urban area of Canóvanas. The project parcel location is highlighted in red (Source: USGS Earth Explorer, georeferenced in ArcGIS, 2025)



Figure 12: Project Existing condition. A: Looking north. B: Looking west. C: Northwest elevation



A



B



C

3. ARCHAEOLOGICAL MONITORING PROCEDURE

The monitoring activities can be divided into three groups: activities before the project begins, activities during construction, and post-construction activities. Monitoring is limited to activities that entail demolition, excavations, and earth movements. Those reconstruction activities that do not entail excavations or earth movements do not require an archaeological monitor. However, if there are activities with heavy equipment taking place in the vicinity of historic buildings, there should be a monitor present to prevent accidents and indirect impacts.

A. Before Construction Begins

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

B. During Demolition and Construction

1. The Monitor shall be in the field during the project activities involving demolition and ground disturbance, and activities with heavy machinery or lightweight equipment in the vicinity of historic buildings; access and clear sightlines to all demolition and excavation activities and debris removal will be provided to the Monitor. Particular attention should be paid when carrying out excavations or demolitions close to the facades of buildings located on the northwest and southeast of the project area or other associated structures that may exist within the project's area of potential effect.
2. All demolition near the buildings' facades must be done with light machinery to avoid damaging structures.
3. The Monitor shall provide instructions directly to the construction field personnel concerning how to proceed when there is a potential to impact an archaeological resource. The construction field personnel will abide by these

requests: excavate slowly, stop the excavation work to evaluate a finding, etc.

4. The Monitor shall keep a record of monitored activities. The Monitor shall fill out the Daily Record of Activities Form (see **Appendix A**). These forms should be sent weekly to the GM for review and will be attached to the final report as an appendix.
5. After the demolition and removal of surfaces, the Monitor shall document any exposed subsurface feature and shall complete a scale plan drawing. The amount, size, and placement of excavation units needed to document the features, if any, shall depend on the size and complexity of the feature being documented. If necessary to understand the context of the identified resource, the Monitor should conduct archival research of primary sources (like previous project files, newspapers, journals), cartographic sources, and historical images. If human remains are found, the protocol established in Section D should be followed.
6. The Monitor shall document all other archaeological remains identified during construction activities, except for previously unidentified historically significant findings (refer to B-8 below). The documentation shall include a detailed description of the discovery, context, horizontal and vertical provenience, photos, and a plan drawing. This documentation shall be done within a reasonable amount of time, trying not to impact on the project schedule as much as possible.
7. Any subsurface feature may be demolished and removed after being documented by the Monitor and approved by the GM. The information recorded will be included in the final report.
8. If the identified archaeological remains are considered historically significant – i.e., complex structures, precolonial remains or stratified deposits – the Monitor shall instruct the construction crew to (1) immediately cease work in the vicinity of the discovery, (2) take all reasonable measures to avoid or minimize harm to the property, and (3) notify the Municipality, PM, CM, and GM. The GM shall immediately notify the SHPO, as per stipulation III.B.1.b. of the PA. The following protocol shall be followed:
    a. The Monitor shall make a preliminary assessment of the findings. The assessment shall include a description of the discovery, location, horizontal and vertical extent (if known), context, photographs, and drawings including a site plan. The assessment shall also include a work plan for implementing a National Register of Historic Places' eligibility evaluation of the exceptional remains.
    b. The assessment and NRHP-eligibility evaluation work plan shall be submitted via email to the PM and GM within 24 hours of the discovery. The GM will comment on the work plan within 24 hours of receiving it.
    c. The Monitor shall implement the work plan after receiving the GM's authorization to proceed. After completing the fieldwork, the Monitor shall prepare an End of Field Report, summarizing the results. Said report should include an NRHP-eligibility determination. The End of Field Report shall be submitted via email to the PM and GM within 48 hours after completing the fieldwork.
    d. The GM shall notify the SHPO of the NRHP-eligibility determination.

i. If the finding is **not eligible** to the NRHP, the GM shall notify the SHPO and provide supporting documentation. Construction activities may resume under archaeological monitoring unless the SHPO disagrees with the NRHP determination and makes a timely objection within 48 hours of the notification.

ii. If the finding is **eligible** to the NRHP, the criteria of adverse effect shall be applied. If the project activities do not adversely affect the findings, the GM shall notify the SHPO and provide supporting documentation. Construction activities may resume under archaeological monitoring unless the SHPO makes a timely objection within 48 hours of the notification.

If the project activities have an **adverse effect** on the NRHP-eligible finding, Data Recovery will be implemented as a Treatment Measure per Appendix F of the PA. The Monitor shall develop a data recovery plan with a research design consistent with the Secretary of the Interior's Guidelines for Archeological Documentation (http://www.nps.gov/history/locallaw/arch_ stnds_7.htm) and the Advisory Council on Historic Preservation's (ACHP) recommendations on the recovery of significant information from archaeological sites as updated in 2009, at https://www.achp.gov/protectinghistoricproperties/Section_106 _Archaeology_ Guidance. The data recovery plan shall be submitted via email to the GM for comments. The GM shall be responsible for submitting the data recovery plan to the SHPO for comments and approval. This treatment measure does not apply to burials or human remains (refer to II.B.11 of this work plan).

9. If any additional construction activities are added or design changes are made after the project has begun, the Municipality, CM and PM shall inform the GM and the Monitor prior to performing the work. The Monitor, in conjunction with GM, shall evaluate these activities and apply the adverse effect criteria. If it is determined that the effect is adverse, the archaeologist will provide recommendations on how to avoid, minimize, or mitigate the adverse effect. These recommendations will be consulted with the SHPO prior to implementation. The SHPO will have 15 days to comment on the recommendations. If no communication is received within that time frame it will be assumed that the SHPO has no objection and concurs with the recommendations outlined.

10. If during construction activities historic property is affected in an unanticipated manner, the CM shall stop work immediately, and inform the Municipality, PM, GM and Monitor. The Monitor, in conjunction with GM, shall evaluate the unanticipated effects and apply the adverse effect criteria within no more than 24 hours. If the effect is determined to be adverse, the Monitor and GM will provide recommendations on how to avoid, minimize, or mitigate such adverse effects. The GM shall consult with the SHPO on the recommendations prior to implementation. The SHPO will have 48 hours to comment on the recommendations. If no communication is received within that timeframe, it will be understood that the SHPO has no objection and concurs with the recommendations outlined.

C. After Construction Ends

1. Upon the completion of archaeological monitoring, the Municipality, PM and GM shall be notified. The estimated date of delivery of the final report shall be indicated in the said notification.
2. A technical report shall be prepared detailing monitored construction activities, documentary research (if any), documentation archaeological features and other findings, and analysis and interpretation of the results. The report must include visual information, such as drawings and photos, and a sketch plan of all the documented findings. The report shall be submitted to the GM no later than two (2) weeks after completing the archaeological monitoring work. The GM shall submit the report to the SHPO no later than one (1) week after receiving it.

D. Human Remains

If human remains are discovered, the protocol established in Stipulation III.B.1.c. of the PA must be followed:

1. Stop working immediately.
2. Notify the local law enforcement office and coroner/medical examiner following applicable Commonwealth statute(s).
3. Protect the remains from any harm.
4. The GM shall be responsible for notifying the SHPO within twenty-four (24) hours of identifying human remains.

4. PROFESSIONAL QUALIFICATIONS

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

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

The Principal Investigator may not transfer his or her duties, obligations, and responsibilities to subordinates or other technicians who are not professionally trained in archaeology. In the case of hiring archaeologists and trained technicians to assist in archaeological monitoring, the Principal Investigator must be present for at least 25 percent of the duration of the fieldwork to supervise them.

5. CITED REFERENCES

Advisory Council on Historic Preservation
1980 *Treatment of Archeological Properties: A Handbook*. http://libraryarchives.metro.net/DPGTL/archaeology/1980_treatment_archaeological_properties.pdf

Consejo para la Protección del Patrimonio Arqueológico Terrestre de Puerto Rico.
2017 Reglamento para la radicación y evaluación arqueológica de proyectos de construcción y desarrollo. San Juan: ICP. Reglamento #8932 del 8 de febrero de 2017.

In.formation Studio
2022 Plaza de Artes teatrales. Canóvanas, Puerto Rico

Montenegro, Cristina and González, Tamara
2025 Section 106 NHPA Effect Determination Form for PR-CR-00315.

National Park Service
s/f "Archeology and Historic Preservation: Secretary of the Interior's Standards and Guidelines [As Amended and Annotated} Professional Qualification Standards". https://www.nps.gov/history/local-law/arch_stnds_9.htm.

s/f "Archeology and Historic Preservation: Secretary of the Interior's Standards and Guidelines for Archeological Documentation". http://www.cr.nps.gov/local-law/arch_stnds_7.htm [consultado feb. 2013].

s/f "Archeology and Historic Preservation: Secretary of the Interior's Standards and Guidelines for Historical Documentation". http://www.cr.nps.gov/local-law/arch_stnds_5.htm.

s/f "Archeology and Historic Preservation: Secretary of the Interior's Standards and Guidelines for Identification". http://www.cr.nps.gov/local-law/arch_stnds_5.htm.

Puerto Rico State Historic Preservation Office (PRSHPO)
1993 *Guía para hacer investigaciones arqueológicas Fases I, II y III.* San Juan: Oficina del Gobernador.

Sepúlveda Rivera, Aníbal
2004 *Puerto Rico Urbano: Atlas Histórico de la Ciudad Puertorriqueña, Vol. I-IV.* San Juan: Centro de Investigaciones Carimar.

United States Geological Survey

APPENDIX A: MONITORING DAILY ACTIVITY SHEET

DEPARTMENT OF HOUSING GOVERNMENT OF PUERTO RICO	**PUERTO RICO 2017 DISASTER RECOVERY** **City Revitalization Program** **ARCHAEOLOGICAL MONITORING DAILY RECORD OF ACTIVITIES**
Case ID:	**Project Location:**
Municipality:	**Project Coordinates** (lat/long)**:**

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

Description of work performed by contractor and supervised by the Monitor:

	YES	NO
Was an archaeological remain documented during the day. If yes, include the required information below.	☐	☐
Was an exceptional archaeological remain identified during the day? If yes, explain below.	☐	☐
Have the construction activities affected a previously unidentified property or a known historic property in an unanticipated manner? If yes, explain below.	☐	☐
Has there been a change in the scope of work of the project? If yes, explain below.	☐	☐

	PUERTO RICO 2017 DISASTER RECOVERY **City Revitalization Program** **ARCHAEOLOGICAL MONITORING DAILY RECORD OF ACTIVITIES**
Case ID:	**Project Location:**
Municipality:	**Project Coordinates** (lat/long)**:**

Site Photos

Direction of Photo: Click here to enter text. **Description:** Click here to enter text.	
Direction of Photo: Click here to enter text. **Description:** Click here to enter text.	

APPENDIX B: 90% DESIGN PLANS

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

Tuesday, December 17, 2024

Lauren B Poche

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

SHPO-CF-11-27-24-05 PR-CRP-000315 (Canóvanas), Plaza de Artes Teatrales

Dear Ms. Poche,
Our Office has received and reviewed the above referenced project in accordance with 54 USC 306108 (commonly known as Section 106 of the National Historic Preservation Act, as amended) and 36 CFR Part 800: Protection of Historic Properties from the Advisory Council on Historic Preservation.
After a review of all the documentation, the PRSHPO concurs with your determination that the proposed project will have no adverse effect on historic properties for this undertaking conditioned to a archaeological monitoring during all ground disturbing activities for the project. An archaeology monitoring work plan must be summited to PRSHPO for its review and concurrence before any works initiates.
If you have any questions concerning our comments, do not hesitate to contact our Office.

Sincerely,

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

GOVERNMENT OF PUERTO RICO
DEPARTMENT OF HOUSING

April 30, 2024

Arch. Carlos A. Rubio Cancela
Executive Director
Puerto Rico State Historic Preservation Office
Cuartel de Ballajá, Third Floor
San Juan, Puerto Rico 00901

Re: Authorization to Submit Documents for Consultation

Dear Arch. Rubio Cancela,

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

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

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

Cordially,

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

11/27/2024

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

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

Section 106 NHPA Effect Determination Submittal for PR-CRP-000315, Plaza de Artes Teatrales, Canóvanas, Puerto Rico – *No Adverse Effect, Conditioned*

Dear Architect Rubio Cancela,

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

On behalf of PRDOH, HORNE is submitting documentation for the proposed Plaza de Artes Teatrales project in the Canóvanas Traditional Urban Center, which is eligible for listing in the National Register of Historic Places. The Municipality of Canóvanas proposes developing a vacant lot into an open-air amphitheater area and a stage area. The project includes the demolition of an existing concrete slab and sidewalk, removal of existing electrical poles and burying of electrical lines, transplanting of existing trees, site grading, landscaping, and construction of the open-air amphitheater and stage area. The full scope of the project is described in the submitted documentation, which includes mapping, photographs, and the 90% design development plans.

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

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

Kindest regards,



Lauren Bair Poche. M.A.
Architectural Historian, EHP Senior Manager
LBP/KPS

Attachments

PR-CRP-000315

Plaza de Artes Teatrales Project

Canóvanas, Puerto Rico

Section 106 Effect Determination Form

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) **Section 106 NHPA Effect Determination**	
Subrecipient: Municipality of Canóvanas	
Case ID: PR-CRP-000315	**City:** Canóvanas
Project Name: Plaza de Artes Teatrales	

Project Location: 1, Autonomía St. Muñoz Rivera Corner	
Project Coordinates: 18.37868, -65.90154	
TPID (Número de Catastro)**:** 089-086-017-08-901	
Type of Undertaking: ☐ Substantial Repair ☒ New Construction	
Construction Date (AH est.): Vacant Lot	**Property Size** (acres)**:** 0.14

SOI-Qualified Architect/Architectural Historian: Cristina Montenegro Torres
Date Reviewed: October 19 2024
SOI-Qualified Archaeologist: Tamara González Vega
Date Reviewed: September 16, 2024_November 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 applicant is seeking Community Development Block Grant disaster recovery funds financed by the federal Department of Housing and Urban Development due to damage received from the 2017 Hurricanes Irma and Maria. The Puerto Rico Department of Housing (PRDOH) has established an Agreement between PRDOH and the Municipality of Canóvanas (the "Subrecipient") for the City Revitalization Program ("Program") as part of the Community Development Block Grant for Disaster Recovery (CDBG-DR) Program. It is a Section 106 undertaking due to the use of federal dollars. Activities for this project cannot be cleared with the Programmatic Agreement.

The Municipality of Canóvanas proposes an outdoor amphitheater within the limits and heights of the lot. The project is located across a music and arts school, Eugenio Maria de Hostos and will function as a practice, gathering and social space for the youth.

The proposed project will enhance cultural association and will positively contribute to the community. The project is located on a property with an "Dotacional" (endowment) rating, so its use complies with the Urban Land classification. The design has considered all the regulatory elements and in compliance as to be presented in a ministerial manner.

The proposed project will impact on an existing vacant lot, with a footprint of approximately 0.14 acres (503.5408 sqm) square meters. The lot was acquired through a public deed by the Municipality of Canóvanas. In the Map of Recommended Base Flood Levels of the Planning Board, Panel: 72000C0395J, the site is located in Zone X (0.2% Annual Flood Probability). The Lot and all rights to improvements belong to the municipality of Canóvanas.

The lot is in the center of the town of Canóvanas, where it is limited to the south by Muñoz Rivera street and to the west by Autonomía Street. To the north and east of the lot there are two buildings that both reach their respective property limits. The use of the structure to the east is for two-story housing and to the north for commercial use, medical office. Being the traditional urban area, there are no setbacks.

The proposed project entails of an open-air amphitheater area and a stage area. The stage area consists of an area of two hundred and fifty (250) square feet and an adjoining urban wall that gives continuity to the urban façade of the place. The height of the structure are leveled with its adjacent structures to enhance with the urban setting architectural features. On the east, a balcony from the neighboring structure, establishes the height level and on the north an overhand establishes the urban wall height. Historical resemblance was contemplated as an inspiration for the design considering the setbacks and efforts fulfilled by the municipality in the decade of the seventies for its official declaration.

The project will fully comply with Universal Design standards to guarantee access and enjoyment of the facilities. The proposed project will have ramps, making it easy to access. As existing levels will not be raised, excavation for foundations will be minimal.

The proposed project will only require potable water, and minimum energy consumption for lighting. The design contemplates the mitigation and reduction of runoff to the existing stormwater system of the city, by using green areas as retention systems. Lighting, from the point of view of energy supply and consumption, would be minimal. The technical specifications and plans of the project detail the construction attributes, which have been designed in accordance with the current Construction Code, PR Building Code 2018.

The project's height will not obstruct the facades of nearby eligible historic properties, including the Eugenio María de Hostos School and the Andrés Flores López School, ensuring that the architectural integrity of these landmarks is preserved.

The proposed project for the revitalization of the vacant lot will include:

Demolition works:

- The existing concrete slab to be demolished, located north of the lot on top of the grade level.
- Existing palm trees to be transplanted. (9 in total)
- The existing sidewalk to be demolished. Excavation will be required to a depth of 1 foot.
- Remove and dispose of existing electrical poles and bury all electrical lines. Excavation will be required to a maximum depth of 3 feet.

Ground Disturbing Activities

- Excavation for Foundations: Excavations will be carried out to a depth of approximately 2 feet, with widths ranging from 1 to 5 feet, depending on the structural requirements of the foundation.
- Site Grading: Minor grading will involve the removal or redistribution of soil to a depth of up to 1 foot, ensuring proper drainage and providing a stable surface for construction activities, as well as filling of soil to a height of 6 feet, forming a vegetative berm to support the proposed outdoor amphitheater.
- Excavation for Landscaping: Excavations for landscape features, such as tree planting and garden beds, will typically range from 1 to 3 feet in depth and up to 3 feet in width. These will be confined to designated planting areas.
- Electrical Line Installation: The excavation for the electrical lines will involve digging trenches of approximately 3 feet depth. The width of the trenches will typically range from 1 to 2 feet to accommodate the electrical conduits and ensure proper backfilling.

New Construction:

- Concrete Foundation for adjoining urban wall.
- Open-air concrete amphitheater and a stage area
- The implementation of landscape as a reforestation strategy.

The Project complies with all the regulatory requirements for the Construction Permit to be approved by the ministerial office, since the use is compatible within the context of the town's character and density. The reforestation practices will greatly improve the character of the place and will not alter the character of the urban center of Canóvanas.

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 includes 1, Autonomía St. and Muñoz Rivera Corner in Canóvanas.

The APE (Area of Potential Effect) encompasses an empty lot characterized by minimal vegetation, occupying a rectangular space with dimensions measuring 97 feet in length and 69 feet in width, totaling 0.14 acres. Situated at the corner of 1 Autonomía St. and Muñoz Rivera Street within an eligible historic district, the lot is bounded by Muñoz Rivera Street to the south and PR-185/Autonomía St. to the west. Its direct shortest side faces southward, while the longest side extends westward.

In terms of visual surroundings, the APE is flanked by distinct architectural elements. Along the eastern side, facing Muñoz Rivera Street, stand two-story residential units dating back to the 1970s. These structures, crafted from concrete, contribute to the visual landscape surrounding the APE. Conversely, on the western side bordering PR-185, a multi-story structure, eligible for inclusion in the National Register of Historic Places (NRHP), serves as a concrete public school. This historic edifice adds a unique visual dimension to the vicinity of the APE.

Directly facing the APE to the south, along Muñoz Rivera Street, are one-story commercial units from the same era, also constructed of concrete. These units, while modest in height, contribute to the overall visual context of the area surrounding the APE. To the north, along PR-185, lies a one-story commercial structure from the 1970s, echoing the architectural style of the neighboring buildings. Collectively, these visual elements delineate the character of the APE's immediate visual environment, highlighting the interplay between historic and contemporary architectural elements.

The Eligible Traditional Urban Center of Canóvanas stands as a vibrant testament to the 18th century, encapsulating the unfolding culture of the municipality within its structures. This area boasts a harmonious coexistence of buildings from various epochs and architectural styles, including neocolonial and postmodern designs. The Traditional Urban Center has played a pivotal role in halting the deterioration and irreversible disappearance of many historically significant and salvageable structures. The rich cultural context surrounding the site significantly enhances its value. The direct APE is within the Eligible Traditional Urban Center of Canóvanas. The project's proximity and integration within the urban center will enhance these culturally significant areas and add immeasurable value, creating a vibrant and contextually rich environment.

ensuring seamless integration with the surrounding setting and maintaining harmony within the area's context.

Identification of Historic Properties - Archaeology

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

Canóvanas has a territorial extension of 73.12 km. As for its territorial limits, it is in the northern region of Puerto Rico, with the municipality of Loíza as its northern border. To the south with Juncos and Las Piedras, to the west with Carolina and Gurabo. On the east side it is bordered by Rio Grande and again by Loíza. In the case of the area evaluated in this report, it is in the historic zone of Canóvanas. The lot is located to the southwest of the block in the northwest of the Historic Center of the municipality. The property is bordered to the north by a medical office and to the east by an uninhabited house. Until recent years, the urban property, now a cleared space, housed a two-story concrete structure. The property housed a concrete structure until circa 2010-2012. It was known in the town as La Carnicería.

Possibility of pre-Hispanic archaeological findings

In the case of the municipality of Canóvanas, little archaeological information is available. The pre-Columbian sites are associated with Agro-Pottery II groups (ca.600 AD-1,200 AD), sites CN-1 and TCN-6 were Monserrate, Santa Elena and Esperanza styles have been identified. The documented pre-Columbian sites are in the neighborhoods of Hato Puerco, Lomas, Canóvanas and Torrecilla Alta, mostly in rivers or near bodies of water, since several of them are petroglyphs. The information on pre-Columbian resources available in the reviewed collections indicates that the general area where the Project is located does not present evidence of pre-Columbian deposits. Due to the modifications that the area underwent due to later occupations, it was concluded that the potential for finding pre-Columbian resources in the area under study is low. On December 1, 2023, the report Plaza Artes Teatrales, Phase IAIB was submitted to the "Instituto de Cultura Puerto Rico". This report presents the results of a Phase IA Archaeological Survey conducted for the Project, Plaza de Las Artes, Canóvanas, Puerto Rico. The archaeological investigation was performed between the months of September, October and November of 2023, by the archaeologist Tamara González Vega (Principal Investigator), the archaeologist Andrés Principe Jácome (Field

Archaeologist), Iulianna Rosario Vasquez and Federico Guili Freytes as assistants to the field archaeologist. The study was conducted at the request of the Municipality of Canóvanas and the Architect Julián Manríquez, as part of the procedure to comply with governmental requirements for the endorsement of the Archaeology and Ethnohistory Program (PAE) of the Institute of Puerto Rican Culture (ICP) as stated in a letter dated August 30, 2023, with the purpose of establishing the presence or absence of any cultural resources of architectural, historical and archaeological value within the area of potential effects of the project. In the excavations as part of the con Phase 1A-1B archaeological survey carried out for the ICP, (ICP- PAE:CN-23-446, see attached document) five (5) trenches were excavated, and a total area scraped. The trenches had a maximum depth of 1.25 meters, and no evidence of pre-Columbian archaeological resources was found.

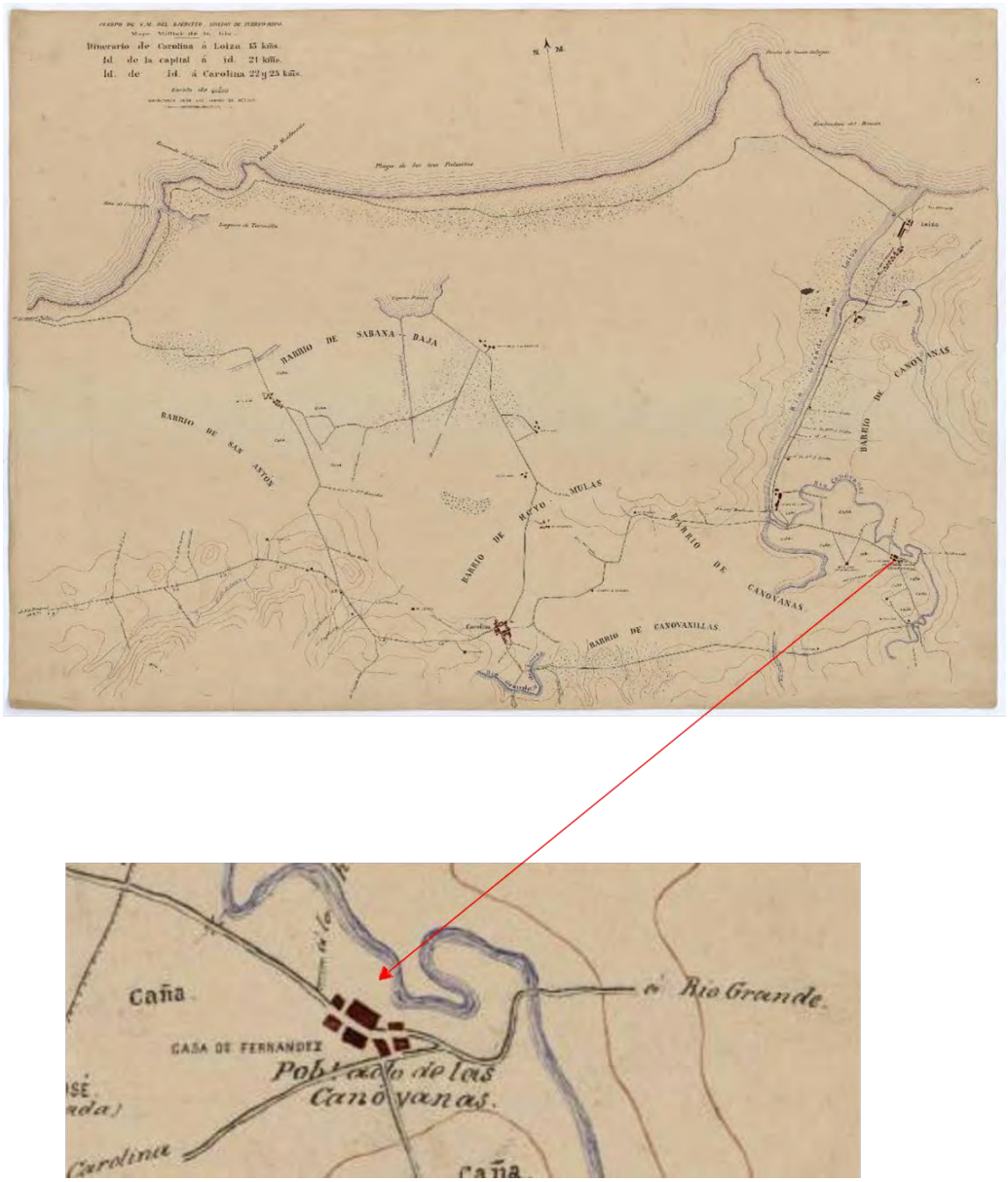
Spanish colonial period

Canóvanas was a neighborhood of the municipality of Loíza for more than 400 years. The Traditional Urban Center of Canóvanas was built during the 19th century; according to historical cartography we find "El poblado de las Canóvanas" is graphically represented for the first time in the Itinerary Plan from Carolina to Loíza of 1888. Because of its links to sugar production, Canóvanas was, for four centuries, the most important territory of the old Loíza district. The first known Spanish settlement in that area was the Ingenio San Luis, located on the western bank of the Canóvanas River, this production unit was founded by accountant Luis Pérez de Lugo in 1550, and the remains of the Hacienda San Luis are located north of the TUC.

The area did not undergo major changes until the 1780s when the sugarcane economy in Puerto Rico changed, and emigration brought foreign investors, who bought bonds from the region's sugarcane plantations. Later in the 19th century, there were seven sugar haciendas in Barrio de Canóvanas, all of them with European capital. Six owners controlled more than a thousand acres of land in the Canóvanas neighborhood. In these historical moments, Canóvanas was not the neighborhood with the highest concentration of population, but it was the one with the greatest number of haciendas and wealth, compared to the seat of the municipal government, which was supposed to be Loíza. From 1887 onward, the political and economic sectors related to sugar production began a movement to move the center of municipal power from Loíza to Canóvanas In 1887, Mr. Ricardo Rey y Villamea, General Administrator of Communications, granted the authority for a post office in the neighborhood of Canóvanas. The inhabitants of Canóvanas were interested in having it because of the delay in receiving the mail, which went first to Loíza and then from there they returned it. In 1880 Don David Carrión was granted permission to establish a butcher shop in the Canóvanas neighborhood that would sell meat on Thursdays and Sundays of each

week, and at the request of th Sindico Mr. Gallardo, it was agreed that this butcher shop and that of Mr. Fernández y Sobrinos would be under the supervision of the deputy mayor Mr. Pérez and that of Hato Puerco under the supervision of the other deputy mayor Mr. Diaz. The information refers to the first owners of the property and constructor of the first building that was in the APE.

Figure: 1 1888 Itinerary from Carolina to Loíza ¨Centro Geográfico del Ejército, Cuerpo del E. M. del Ejército. Sección de Puerto-Rico¨. Original scale 1:20000. https://archivonacional.com/PL/1/1



This figure (1) shows the present municipality as a town of Canóvanas in the 1888 Itinerary of the Spanish Army. The road that runs from Carolina to Rio Grande divides the town, which consists of seven buildings, three of them on the north side of the road and four on the south side. The town is surrounded to the north by the river of the same name and the remaining area by sugar cane fields. During the 19th century, events happened during the end of the 19th century where the neighborhood of Canóvanas was recognized as being of equal or better importance and sustainability than the municipality of Loíza.

Figure: 2 Itinerary from Carolina to Loíza Army Corps of E.M. of the Army. Puerto Rico Section of the year 1891 Original scale 1:20000. https://archivonacional.com/PL/1/1



In this figure (2) from the 1891 Itinerary of the Spanish Army, Canóvanas, on the edge of the road that leads from Carolina to Juncos, is named Caserío de Canóvanas. It has a road that passes right in the middle of the hamlet called Camino Viejo (Old Road). During the first 400 years of Spanish colonization, Canóvanas was part of the Municipality of Loíza as a barrio. When examining the previous sketches made by the cartographers of the Spanish army, there are signs of sugar cane fields, farms, sugar mills, roads leading to Loíza, Carolina, Rio Grande and Juncos. There are signs of houses of residents in the extensive neighborhood. Several rivers and streams run through the area that once made up the neighborhood. These rivers are the Grande de Loíza and the Canóvanas. This particularity made the valley fertile. This contributed to the development of sugar mills and later haciendas in this part of the island. This in turn led to the neighborhood becoming a prosperous one, where settlers gathered, building what the sketches show as Poblados and/or Caserío in other towns, in the place that today we call the urban center of the municipality of Canóvanas. Don David Carrión, first owner of the lot that we investigated, occupied the position of Municipal Attorney of the town of Loíza, until he resigned from the position and a slate has been proposed for the appointment of the one that will replace him, occupying the first place of this the artisan Don Placido Rosario.

20th Century

Don David Carrión, before the incorporation of the municipality to the municipality of Rio Grande, became the mayor of Loíza in 1901 and had a butcher shop, a dairy and several cattle farms. In 1902, the Puerto Rico Legislative Assembly passed a law for the consolidation of certain municipalities. As a result, both Canóvanas and Loíza were incorporated into the Municipality of Río Grande. However, in 1905, a new law repealed the previous law, returning Canóvanas to its previous status as a barrio of Loíza. In 1909, the Municipality of Loíza's administration was transferred to the neighborhood of Canóvanas, which was more developed than Loíza. Also, the construction of PR-3 facilitated communication with Canóvanas. As a result of the transfer, land was acquired to build an urban center including a new town hall and town square. It was not until a law was passed on June 30, 1969, that both municipalities were recognized for having "clearly different population centers" recommending the establishment of two municipalities

The 1930 photograph shows the historic center of Canóvanas with its grid oriented to the northwest. The photo shows a total of 30 blocks. To the north of the plaza, PR 9959 (present day) runs east-west and PR 185 runs south. The surrounding area is mostly free of trees. The municipal cemetery can be seen to the south of the town. In this figure it can be seen the 1917 concrete structure in the shape of an "L" Don José Flores Mundo Pagán built. This structure served as a butcher shop, dairy and main house of the Mundo Pagán family. The decades from 1920 to 1940 in the municipality of Loíza (Canóvanas municipal headquarters) were plagued by economic problems.

In 1932, Hurricane San Ciprián had a great impact on the municipality, especially in the rural areas, which were devastated The situation in the Loíza-Canóvanas area is described as follows: "tragic of uncountable miseries, of human beings without shelter, of homes destroyed by the thousands, and of total ruin of fertile and rich rural areas... The buildings, warehouses, machinery, etc., have been destroyed".

By 1935 the PRERA projects were being implemented in the TUC of what is now Canóvanas, and because of these efforts, the Eugenio María de Hostos School and the Andrés Flores López Public School were remodeled. From 1930 to 1950 there were numerous conflicts between the workers of the sugar mills especially Central Canóvanas and San Vicente. Then in the 1950's, the status of Loíza Aldea began to be questioned in relation to Canóvanas, and the inhabitants of Loíza began a debate about how Canóvanas usurped the municipal seat. In 1960 the population of the urban area was 2,872 inhabitants, they have a stable economic base, due to the sugar cane plantations.

Figure: 3 Aerial photograph 1931 TUC development in Canóvanas. (ACT Photogrammetry Office)



In Figure 4 (ACT Photogrammetry Office) the displacement of the town of Canóvanas begins to be seen in the blocks north of PR 9959 (present day) and behind the Eugenio María De Hostos School. The structure of the butcher shop and dairy can be seen in the aerial photograph. The structure within the project area is present.

Figure: 4 Aerial photograph 1950, development CUT of Canóvanas urban growth.



Figure: 5 (ACT Photogrammetry Office): Shows 1917 concrete structure in the shape of an "L" Don José Flores Mundo Pagán built. This structure served as a butcher shop, dairy and main house of the Mundo Pagán family. The town in 1962 continues its expansion to the north, east and south, while to the west it is more limited. Highway # 3 to Luquillo is present passing to the south of the new part of the town, to the immediate south of the municipal cemetery.

Figure 5: Aerial photograph 1950, development TUC of Canóvanas urban growth.



Figure: 6 (ACT Photogrammetry Office): Aerial photograph 1971, having become a municipality in 1970, Canóvanas began its urban expansion. The figure shows an urban expansion where the original buildings of the historic center of 1930 have been doubled. There are new housing units on the southeast and south sides of the town. South of Highway 3, new large commercial buildings are beginning to be seen. The photograph shows the structure that occupied the property since 1917.



Figure: 7 The plan presents the silhouette of the property in its "L" shape. It shows the dimensions of the structure and the lot where it is located. Towards the courtyard where the stairway is located, a wooden hut is attached. Another wooden structure appears on the lot, towards the northern part of the structure. This wooden structure only appears in this plan, and we have no additional information about it. According to the oral history of the village, it was used as a residence. The streets Luis Muñoz Rivera and the old Autonomy Street, today PR 185 are presented. It shows the boundaries giving the name of the owners (to the east Nemecio Fred; to the northeast and north Succ. Olivero with a concrete house in the middle of the property. The proposed project is located on a parcel composed of two lots, where the north side lot was located a wooden residence, and the south corner lot was located a two-story concrete industrial structure. The industrial structure was known as a "Matadero".

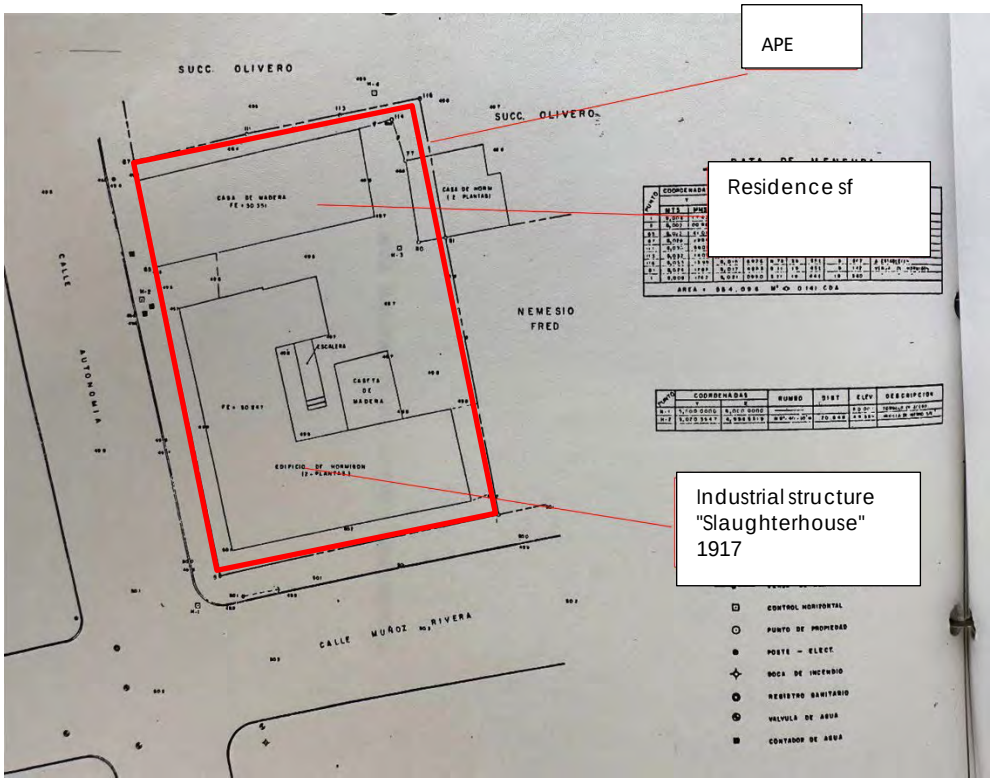


Figure: 8 (ACT Photogrammetry Office): The 1990 aerial photograph of the municipality of Canóvanas shows a development completely south of Highway 3. In the photograph, the El Comandante Racetrack appears to be constructed, as well as other facilities. The silhouette of the structure within the project area is still visible.



Figure: 9 Photo in tourist brochure from the 1990s



In a tourist brochure from the 1990s under the administration of Mayor José Soto Rivera, the neoclassical structure is presented with doors on the ground floor and windows on the upper floor. Painted with Mexican pink tones on the second floor and White with Yellow on the second floor. The ornaments attached columns and balconies are in situ.

Figure 10: Photo extracted from the files in possession of the ICP's office.



The "Antigua Lechería" belonging to the Mundo Pagán family (1917)-Munoz Rivera Street, corner of Autonomía Street. Despite its distinctly neoclassical form and design, the building preserves very eclectic and naive details, but of great architectural interest, such as pilasters tapering toward the top and composite capitals. According to oral history, it was the first building in Canóvanas made of concrete. It was built as a dairy and warehouse by the wealthy cattle rancher José Flores Mundo Pagán, who owned large extensions of pastureland between the town of Canóvanas and the Campo Rico sector. Later it became an apothecary, a home for the Mundo Pagán family, and even a municipal butcher shop; it was finally abandoned around 1972. The municipal administration at some point bought the building to convert it into the home of the Centro Cultural de Canóvanas. (Information extracted from the files in possession of the ICP's office of Built Patrimony, in Mayagüez, provided by the architect Mildred González

Figure: 11 Aerial photography 2007, Google Earth pro

The development of the municipality has potentially expanded to the south and west of the urban center, developing different developing different communities of urbanizations. The "L" shape structure is visible in this 2007 photo. Aerial photographs presented from 1931 to 2007 show the presence of the "L" shape structure within the lot/urban property. The small wooden house observed in figure # 7, cannot be seen in the aerial photos of the decade of the 30s, 1950s, 1970s, 1990s. It does not necessarily mean that it did not exist for these periods, but that the resolution, scale and clarity of the aerial photography is not sufficient to identify the small wooden house.



Figure: 14 Aerial photography 2009-2023, Google Earth pro

The 2009 photograph still shows the concrete structure in the shape of an "L" Don José Flores Mundo Pagán built. This structure served as a butcher shop, dairy and main house of the Mundo Pagán family. From 2009 onwards it is absent from the aerial photographic record. It appears as a plot of land, with grass and secondary vegetation. The structure built in 1917 was demolished by the municipality after 2009. It was not possible to find information about the exact date or the process of its demolition.



The old Butcher's Shop

In the 2002 regional investigation report of the cultural resources of Canóvanas, Puerto Rico by archaeologist M Meléndez Maíz, the structure is identified as TCN-EH8. In the preliminary inventory of the Municipality of Canóvanas , the structure is described as follows;

"The former "lecheria" is located on Muñoz Rivera Street at the corner of Autonomía. Along with the town hall, it is the only monumental building in town. It has great architectural value. It is a neoclassical, eclectic building in concrete from 1917. It has pilasters, modillions, a cornice with frieze, and pediment, all of eclectic character, and has two facades. It was built as a dairy and warehouse for the cattle rancher José Flores Mundo Pagán, later it became an apothecary, a home for the Mundo Pagán family, and a municipal butcher shop. Since 1972 it has been abandoned and in an advanced state of ruin. (PTC-M 1999:36) - Currently the structure remains abandoned and has no roof". This inventory cites the structure as being built for the cattle rancher José Flores Mundo Pagán, in this investigation, we used primary sources and found that the first owner and proprietor of the butcher shop was Mr. David Carrión, and his descendant Angelica Carrión y Carrión, is the wife of José Flores Mundo Pagán. The latter bought this structure in 1944. Mr. David Carrión was also a farm owner in the area. In addition to our use of the newspaper of the time we were able to discern the following information about the property:

- 1943 the slaughterhouse was closed by the sanitary inspector a month later it was reopened by the health department.
- 1947 funds were granted to improve the Slaughterhouse.
- 1949 repairs were made to the slaughterhouse.
- 1951 shortage of meat in the meat stands of Canóvanas and Loíza Aldea, the suppliers of the Capital are taking meat to the Capital are taking the meat to San Juan. That the price of cattle went up from 8.50 to 11. 50 per arroba. The newspaper El Mundo interviews José Pagán Mundo, a meat supplier who has been in the business for nearly 40 years, he explained the relationship between the lack of supply of meat and the hoarding of meat by the capital. Pagán explains that the towns outside the San Juan area will not have meat in their stalls.

Archaeological potential

No findings of settlements from pre-Hispanic periods have been detected in the vicinity of the study property. However, this lot has suffered several impacts from the 19th century to the present due to the various human occupations. Excavations to build socos, foundations, as well as to install infrastructure, could have significantly affected the integrity of pre-Columbian remnants of these settlements. The information presented in this report suggests that the area where farm # 5233 in the municipality of Canóvanas, has been part of the historic center of the Urban Center since the beginning of the late 19th century, when the first structure was built on the property. Later, around 1917, a neoclassical, eclectic building was built in concrete. The structure that occupied the property served as a butcher shop, under the Carrión family, then as a dairy and warehouse for the cattle rancher José Flores Mundo Pagán, later became an apothecary, home of the Mundo Pagán family. The lot has been occupied for at least the past 121 years. This structure was demolished around 2009 when the lot began to be used as a parking lot.

Results Fase IAIB

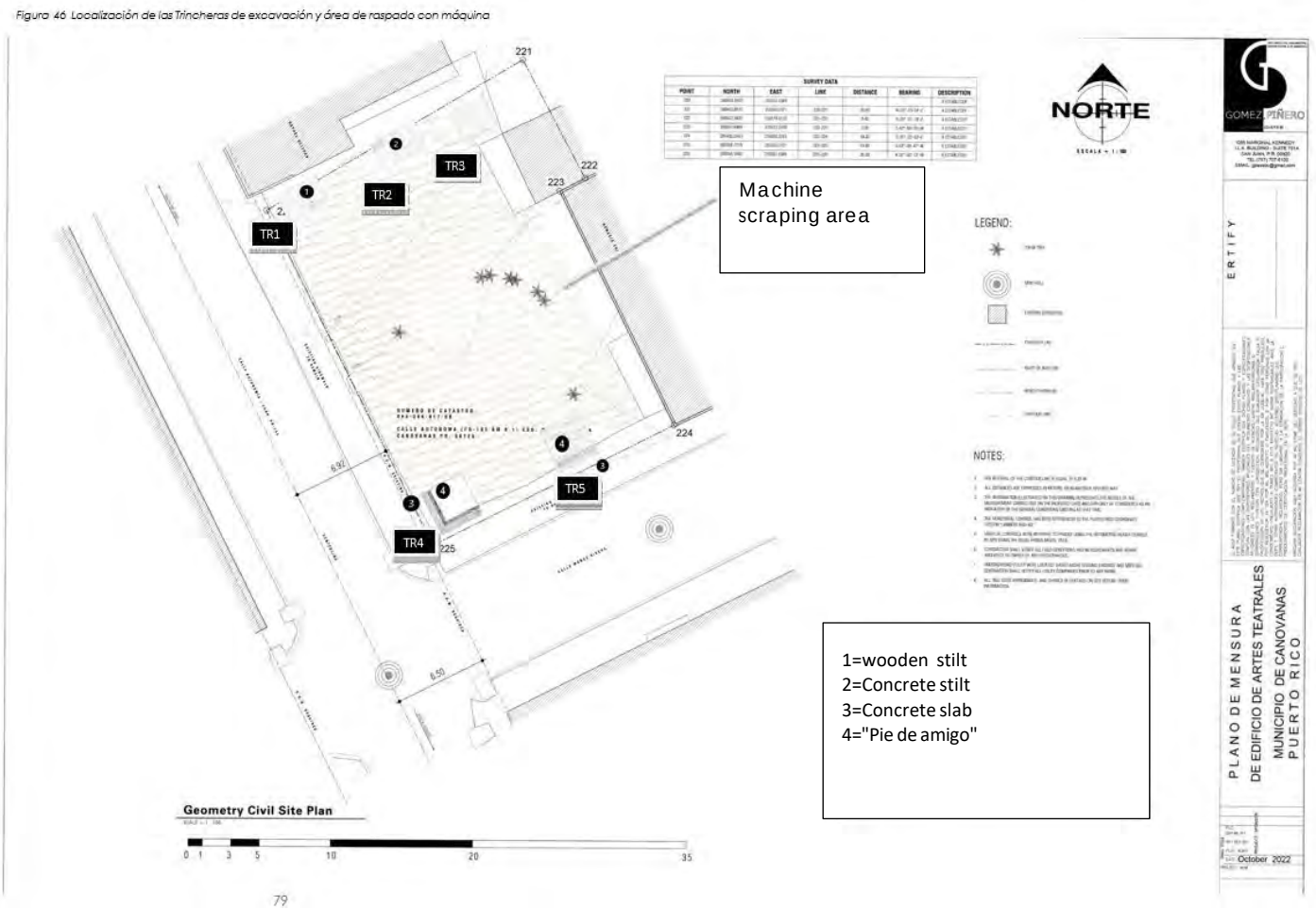
A Phase IA-IB Archaeological Survey conducted for the Project, Plaza de Las Artes, Canóvanas, Puerto Rico. The study was conducted at the request of the Municipality of Canóvanas and Architect Julián Manríquez, as part of the procedure to comply with governmental requirements for endorsement by the Archaeology and Ethnohistory Program (PAE) of the Institute of Puerto Rican Culture (ICP) the presence or absence of any cultural resources of architectural, historical, and archaeological value within the projects area of potential effects. The archaeological investigation was performed between the months of September, October and November of 2023, by the archaeologist Tamara González Vega (Principal Investigator), the archaeologist Andrés Principe Jácome (Field Archaeologist), Iulianna Rosario Vasquez and Federico Guili Freytes as assistants to the field archaeologist. The field work was carried out from October 25 to November 17 of 2023. (see attached report). As part of the research, a documentary review, a cartographic and aerial photographic analysis; a field inspection; and the excavation of mechanical test pits were carried out as part of the research. The documentary research showed that there was a high probability of finding cultural resources within the Project area.

In phase IAIB carried out in 2023, the APE was subjected to a surface scraping, the vegetative material and part of the soil was removed. The next step was to make the trenches suggested by the archaeology and ethnohistory program of the ICP. The excavated trenches were a total of five (5). Three in the northern part of the plot. The other two in the southern part. The fourth (4) was in the southwest corner of the area, providing information pertinent to the south and west side respectively. Trench five (5) was carried out in the south-central end of the property. The trenches provide information of elements in situ "socos, zapatas" was recovered. These were found in the trenches in the northern part of the project area. Specifically in trenches number one and two. In the south and southwest trenches, information relevant to the architecture of the demolished structure was recovered in situ: the "Zapata" and "pie de amigo". The foundations of walls in the north and south of the property were located, however, it is not possible to determine if they belong to the same structure. The five (5) trenches were excavated with 2x2 to a depth of between 100 cm and 1.25 cm. Trenches 1, 2, 4 and 5 tested positive for the presence structural remains but did not present a deposit of cultural artifacts related to the domestic and commercial activities associated with the structure we were investigating. Archaeological artifacts were scarce and were found in conjunction with modern garbage. However, the structural remains have integrity, and it is possible that excavations in other areas of the lot may find archaeological deposits with stratigraphic integrity.(see Table 1)

Table 1: Summary of the excavation of the trenches

Trench	location in figure	Dimensions	Maximum depth	Notes
1	North	2 x 1.5mt X 40 cm	40 cm water table	Features "soco" in cement Nipple in metal, whiteware pottery
2	North	2 x 1.70 X 1.10 m	1.10 m	Pieces of wood, "soco" footprint
3	North	2 x 2.5 X 1.04 m	1.04 m	negative
4	South and West	2.5 X 2.5 X 1.25 m	1.25 m	Concrete structure foundations
5	North	2 x 2 x1.23 m	1.23 m	Concrete structure foundations

Figure: 15 Location of the excavation trenches and machine scraping area.



Photographs of structural elements found in Phase IB

Photo: 1 North wall of Trench 2



Concrete stilt

Stilt footprint

Photo 2: South wall of Trench 4



"Pie de amigo"

Concrete Zapata, concrete foundation

Photo 3: East walls of Trench 5



"Pie de amigo"

Concrete Zapata, concrete foundation

In the .25 miles radius of the project, we found 7 archaeological studies , two(2) of which correspond to IAIB phases, three (3) IB phases, one (6) regional study (1) inventory of historic properties. Most of the projects were infrastructure constructions. A table (Table 2) with a summary of the studies is included and Figures 16 and 17 show their location.

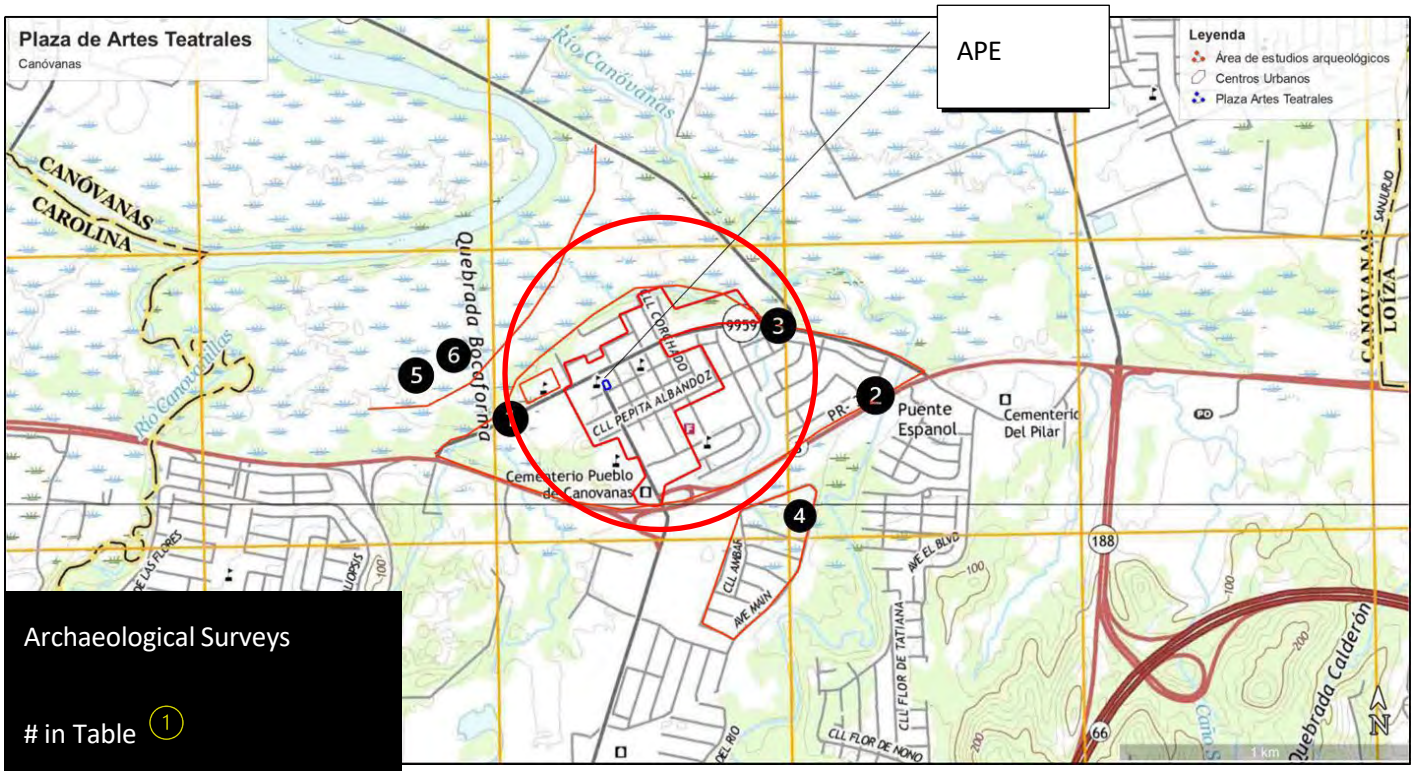
Table 2: Archaeological surveys in the .25 miles radius of the project

# Map	Author	Phase/Author	Date	SHPO / IPRC #	Results	Distance/ Orientation
1	Meléndez Maíz, Marisol	IB/Escuela Intermedia Urbana Antonio R. Barceló	1994	CN-94-0107	Negative	158 m NW
2	Meléndez Maíz, Marisol	Estudio Regional. Investigación Regional Recursos Culturales del Municipio de Canóvanas"	2002	CAT- 0163	Documentation of pre-Columbian archaeological historical and architectural sites	Within
3	ICP, Sede Regional del Este	Inventario preliminar de estructuras de valor histórico y arquitectónico de centro urbano de Canóvanas	1992	Plan territorial Canóvanas	12 structures were identified in the TUC dated between 1910 and 1940.	Within
4	SIBANACAN	IA-IB "Residencia Quintas de Canóvanas"	1986	10-24-84-10	They located the foundations of the old railroad track used by the cane transporting machine.	608. m SE
5	Miguel Rodríguez	I-B Canovanilla Trunk Sewer	1986	09-17-86-11	Hacienda San Luis	335 m NW
6	Miguel Rodriguez	I-B Canovanilla Trunk Sewer	1986	09-17-86-11	IBID	335 metros
7	Tamara González Vega	IAIB Plaza Artes Teatrales	2023	ICP-PAE:CN-23-446	Positive to Structural Remains	Within

Figure 16: Location of archaeological studies in the periphery of the project Aerial photo 2023 ESRI.



Figure 17:Location of archaeological surveys on the periphery of the USGS 2018 project, Photo revised Google Earth Pro, ESRI, SAS Planet



Cultural resources inventory

The Traditional Urban Center of Canóvanas is divided into 38 blocks and have an oval form, whose limit is PR-3 to the south and the alluvial plains of the Canóvanas River to the north. Even today it still preserves the original grid with a square, not in the center, but on one of its sides (today's Palmer Street). This original nucleus is where most of the commercial uses are concentrated today and part of the government buildings are located, surrounded by single-family housing developments.

In the .25 miles radius surrounding the proposed project, there are 15 historic properties (Table 2, Figures 18,19) The buildings adjacent to the east of the project on Muñoz Rivera Street are two historic residential units from the 1970s and are made of concrete. The adjacent building to the west of the area of interest on PR-185 is a multi-story concrete public school. The front of the buildings south of the APE on Muñoz Rivera Street are one-story, 1970s commercial units and are made of concrete. The rear building north of the APE on PR-185 is a one-story commercial structure from the 1970s and is made of concrete.

The project area is currently a vacant lot, with minimal vegetation. This site was the location for Old Slaughterhouse and Meat Warehouse, (Property eligible to the NRHP under Criteria A and C; demolished). The area surrounding the proposed project has undergone significant changes since the date of its construction and the historic features that made the APE distinctive are no longer in place. The current environment consists primarily of commercial and civic use. The perimeter has buildings dating from around 1900 the oldest to 1970 the most recent construction.

Table 3: Reported cultural resources in the .25 miles of the project area

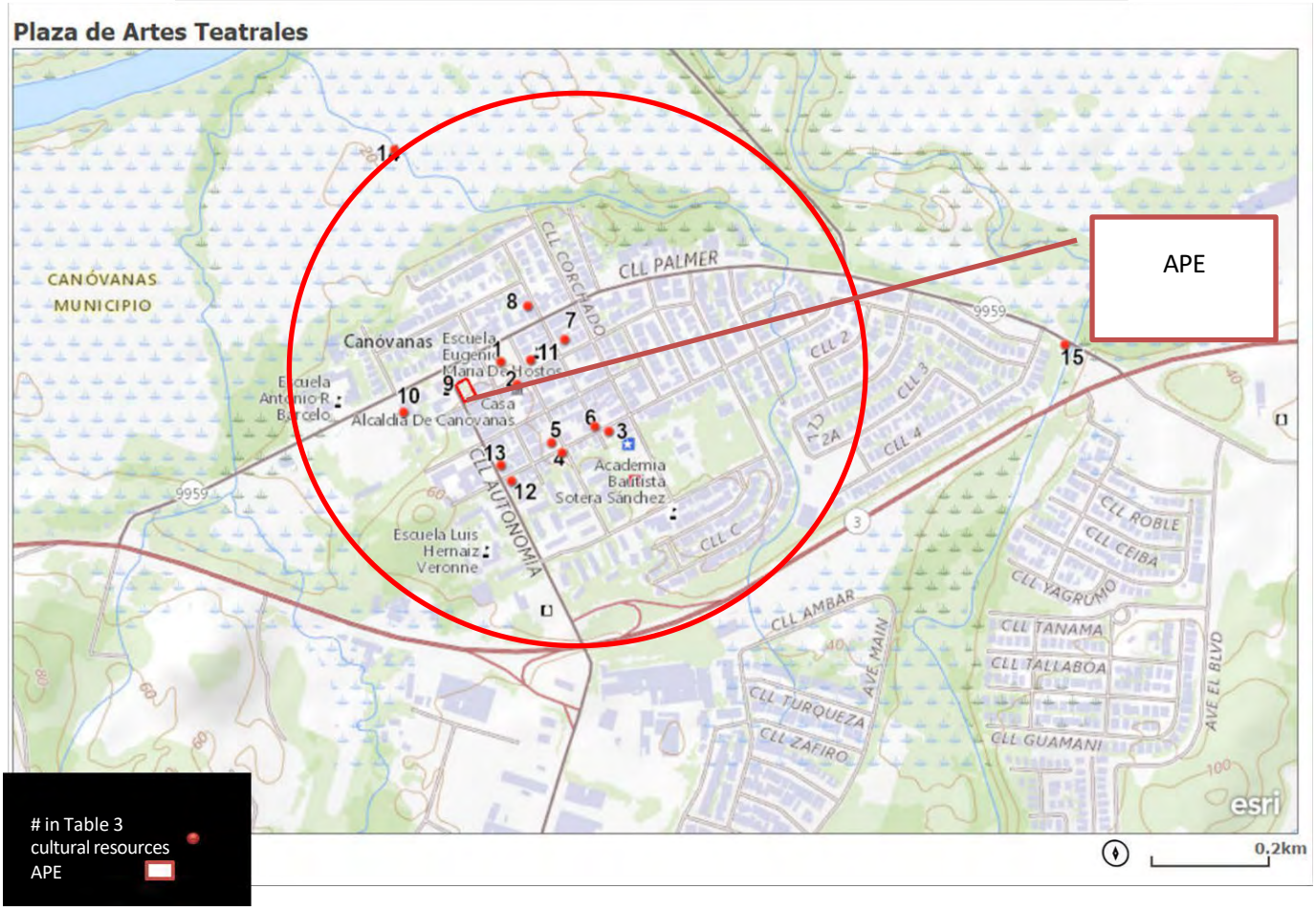
# map	Name	SHPO -id #	IPRC id #	Distance/Direction	Description	NRHP- ICP/JP
1	Plaza pública Juan Francisco Arroyo Salamán	No data	No data	36m/118.11 West	c. 1900	Eligible
2	Casa Alcaldía	No data	CN- 40	62.5 m/98 feet East	Neoclassical style building/1907- 1910	Eligible
3	CN-42 Albandoz esq. Blanco Sosa	No data	CN- 42	232 m/761 feet to the southeast	Creole wooden house 1910	No data
4	CN-44, Luis Hernaiz 80	No data	CN- 44	177 m/580 feet southeast	1930's Creole wooden bungalow style house	No data
5	CN-45, Luis Hernaiz 76	No data	CN- 45	145 m/475 feet southeast	1930's Creole wooden bungalow style house	No data
6	CN-46, Blanco Sosa	No data	CN- 46	204 m/669 feet southeast	1930's Creole wooden bungalow style house	No data
7	CN-47, Muñoz Rivera esq. Blanca Sosa	No data	CN- 47	160 m/524 feet East	neoclassical style building built between 1930	No data
8	CN-49, ¨Parque de Bombas	No data	CN- 49	164 m/538 feet northeast	Art deco style building from 1940s	Eligible
9	Escuela pública Eugenio María de Hostos	CW0200025	TCN-EH6	95 m/49 feet north	PRERA school, 1925	Eligible
10	Escuela pública Andrés Flores López	CW0200026	TCN-EH6	95 m/49 feet West	PRERA school, 1925	Eligible
11	Colegio Nuestra Señora del Pilar	No data	No data	32m/311 feet West	No data	
12	55-57 Calle Pepita Almandoz	No data	No data	214 metros/702 feet Southwest	"streamline with art deco features	No data

#map	Name	SHPO -id #	IPRC id #	Distance/Direction	Description	NRHP-ICP/JP
13	Calle Autonomía	No data	No data	120 m /393 feet to the south	"streamline with art deco features	No data
14	Ingenio San Luis	CW020000 6	No data	399 m/0.24 feet to South	"Ingenio de Azúcar", XVII; CN-H5	No data
15	Puente Villarán	TCN-EH2	No data	977 meters east	1892	Listed

Figure 18: Reported cultural resources in the .25 miles of the project area
Aerial photo 2023 ESRI.



Figure 19: Reported cultural resources in the .25 miles of the project area USGS 2021 ESRI.



Identification of Historic Properties - Architecture

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

The evaluation considers eligible historical properties that are within a 1/4-mile radius with emphasis on those in the visual APE. This consideration is in the best interest of identifying properties that will or can incur a direct effect.

Historic Properties within a ¼ mile radius:

1. Canóvanas Public Square was built in the 19th century, eligible for criteria A and C, and located in 18.379064, -65.900909. It is 44 meters east from the APE.

2. Canóvanas Town Hall was built circa 1920, the style is neoclassical, eligible for criteria A and C, and located in 18.378723, -65.90084. It is 59 meters south of the APE.

3. Municipal Cemetery: built circa 1930, and located in 18.375444, -65.900363. It is 385 meters south of the APE.

4. Nuestra Señora del Pilar Parish was built circa 1970, the style is Postmodern, eligible for criteria C, and located in 18.379159, -65.900606. It is 118 meters east of the APE.

5. Colegio Nuestra Señora del Pilar was built circa 1970, the style is Postmodern, eligible for criteria C, and located in 18.379133, -65.900548. It is 96 meters east of the APE.

6. Andrés Flores López School was built circa 1940, style is Neo-Renaissance, eligible for criteria C, and located in 18.378564, -65.902364. It is 42 meters west of the APE.

7. Eugenio María de Hostos School was built circa 1925, the style is Postmodern, eligible for Criteria c, and located in 18.378737, -65.901927. It is 96 meters west of the APE.

8. Fire Station: built circa 1942-1955, the style is Art Deco, eligible for criteria

C, and located in 18.379538, -65.901694. It is 171 meters north of the APE.

9. Seventh-day Adventist Church built circa 1970, the style is Postmodern, eligible for criteria C, and located in 18.379188, -65.899707. It is 190 meters east of the APE.

10. Jesús T. Piñero Residential built circa 1954, the style is Postmodern, eligible for criteria C, and located in 18.376732, -65.900078. It is 233 meters south of the APE.

11. A Commercial three-story building, Parcel ID: 089-076-010-01 was built circa 1970, eligible for criteria C, and located in 18.379394, -65.900713. This is 97 meters north of the APE.

12. A commercial two-story building, Parcel ID: 089-076-048-12 was built circa 1964, eligible for criteria C, and located in 18.3797027, -65.9009200. it is 118 meters north of the APE.

13. Farmacia Olivero was built circa 1960 eligible for criteria C, and located in 18.3788071, -65.901279. This is 23 meters east of the APE.

Historic properties visible from APE:

The APE has significant Architectural historical value therefore a detailed description of NRHP-eligible historic properties is presented to record the historical contributing elements to the traditional urban center and support the final determination for the proposed project.

- Canóvanas Public square, Professor Juan Francisco Arroyo Salamán (Photo 18)
- Canóvanas Town hall (Photo 15)
- Andres Flores Lopez Public school (Photo 13)
- Eugenio Maria de Hostos Public school (Photo 2 and 14)
- Farmacia Olivero (Photo 19)

Canóvanas Public square Professor Juan Francisco Arroyo Salamán

The Canóvanas Traditional Urban Center was built during the 19th century; according to 1946 historical cartography and aerial photographs, it can be deduced that the Canóvanas public square has undergone few changes in its original demarcation. In

1937, improvements were completed to the Public Square, without significant alterations to the original geometry.

The main square of Canóvanas is surrounded by Muñoz Rivera Street to the south and bounded by PR- 9959 to the north. Luis Hernaíz Street to the east and Calderón Mújica Street to the west. The Plaza is rectangular in shape and the main shortest façade is facing to the south. The Plaza occupies a footprint of 2,913.5 m². The public square materiality is concrete construction and has concrete floor tiles installed. Centered in the public square, an octagon flooring concrete pattern is present, and a bronze statue remarks the center of the plaza. In addition, planters at each corner of the public square are evident to enclose visually the perimeter.

The quality of significance, as defined by the NRHP, is present in buildings that possess integrity of location, design, setting, materials, workmanship, feeling, and association. This property fulfills four (4) of seven (7) criteria: Location, Setting, Feeling, and Association.

The type of significance, as defined by the NRHP, is evaluated on buildings in terms of the following criteria considerations: A-Event, B-Person, C-Design & Construction, D Information Potential. This property fulfills one (1) of the four (4) criteria: A-Event and C-Design

A-Event: The Canóvanas Plaza holds significant historical value as it functioned as the paramount gathering hub for all civil events and communal activities during the formative stages of the town's cultural evolution. Throughout its history, the plaza served as a focal point for social gatherings, community celebrations, and important civic events, fostering a sense of unity and camaraderie among the residents of Canóvanas . Its central location and spacious layout made it the ideal venue for various cultural, political, and recreational activities, reflecting the town's vibrant social fabric and embodying its collective spirit. As such, the Canóvanas Plaza stands as a tangible symbol of the town's rich heritage and enduring legacy, exemplifying the integral role it has played in shaping the cultural identity and historical narrative of the community.

C-Design & Construction: The Canóvanas Plaza is associated with the eligible traditional Urban center and embodies distinctive architectonic characteristics and methods of construction. It is noticeable the work of a master possesses high artistic value as other architectural representations from the dated periods.

As above mentioned, Professor Juan Francisco Arroyo Salamán Public Square **contributes** to the Canóvanas Traditional Urban Center since it conveys the following aspects of integrity: Location, Setting, Feeling, and Association. The Public Square represents a sense of feeling and association with the eligible district and is **eligible under Criterion A and C.**

Canóvanas Town Hall

Canóvanas Town hall original structure was built in 1907 and rehabilitated in 1920, it's an eligible historical property. The Town hall has a rectangular-shaped floorplan, composed of two stories and occupies a footprint of 298.19 m². The Town hall has simple geometric neoclassical forms composed of grand-scale volumes. The longest main façade is facing north, and the materiality is concrete construction with a flat roof. The main façade has a circular pediment centered on the façade, below a cornice and six concrete pilasters are equally distanced from the centered-on façade. The structure is divided by six pilaster bays in both stories and the main door to egress the Town hall is centered on the lower-level main façade. This is arched opening with a double wood door installed. On the main story, symmetrically placed of the door, two arched window openings with horizontal wooden blinds are present at each side of the main façade. The upper level has six arched door openings with horizontal wooden blinds type. On this area, a concrete balcony extrudes from façade, and it's enclosed with ornamental metal railing. The sides and rear elevations are made of concrete and Miami aluminum windows are installed.

The quality of significance, as defined by the NRHP, is present in buildings that possess the following aspects of integrity: location, design, setting, materials, workmanship, feeling, and association. The Canóvanas Town hall fulfills all seven aspects of integrity.

The type of significance, as defined by the NRHP, is evaluated on buildings in terms of the following criteria considerations: A-Event, B-Person, C-Design & Construction, D-Information Potential. This property fulfills two (2) of the four (4) criteria: A-Event and C-Design & Construction

A-Event: The Canóvanas Town hall is is associated with events that have made a significant contribution to the broad patterns of our history.

The Canóvanas City Hal is locally significant under Criterion A, Politics/Government. The establishment of the municipality in 1970 represented the long overdue collective aspiration and efforts of the people of Canóvanas in having an official and purposedly built seat for their municipal government.

C-Design & Construction: The Canóvanas Town hall is associated with the eligible traditional Urban center and embodies distinctive architectonic characteristics and methods of construction. It is noticeable the work of a master possesses high artistic value as other architectural representations from the dated periods.

As above mentioned, the Canóvanas Town hall **contributes** to the Canóvanas Traditional Urban Center since it conveys the following aspects of integrity and criteria considerations: Location, Design, Setting, Materials, Workmanship, Feeling and

Association, and other Architectural features such as Neoclassical Architecture style, pediment, and pilasters. The Property architecture conveys a sense of feeling and association with the eligible district and is therefore **eligible under Criterion A and C.**

Andres Flores Lopez Public school

The school building was designed in the Mission Spanish Revival style and built circa 1940. Funding for the construction came from the Puerto Rico Reconstruction Administration, a New Deal agency. The school was designed by Puerto Rican State Architect Rafael Carmoega.

The Andres Flores Lopez School, located off PR-9959/Palmer St. is a rectangular, two stories, reinforced concrete building with Spanish roof tiles. The school was built in 1940 and occupies a footprint of 402.91 m². The neoclassical and Spanish Revival style present a unique and elaborated frontispiece in the front façade. The symmetrical composition of the entrance frontispiece is further emphasized at window groupings by highlighting the window at center, with a pediment crown. Centerer on the same façade in the lower level an arched opening is present with pilasters embeded at each side and a cornice surrounding the arch is evident. On top, Andres Flores Lopez lettering is engraved. Symmetrically placed, colonial metal case windows appear in sets of five at each side of the main façade along with a flat cornice centered in the right and left upper area. The main façade has adhered features such as bull eyes, squares, oval medallions, and trimming. The sides and rear elevation cornice wraps around the building's sides.

The quality of significance, as defined by the NRHP, is present in buildings that possess the following aspects of integrity: location, design, setting, materials, workmanship, feeling, and association. The Andres Flores Lopez School fulfills all seven aspects of integrity.

The type of significance, as defined by the NRHP, is evaluated on buildings in terms of the following criteria considerations: A-Event, B-Person, C-Design & Construction, D-Information Potential. This property fulfills one (1) of the four (4) criteria: C-Design & Construction.

C-Design & Construction: The Andres Flores Lopez School is a noteworthy example of the public effort to erect multiple schools in Puerto Rico during the early 20th century by repeating prototypical, building typologies throughout the Island. As above mentioned, the Andres Flores Lopez School **contributes** to the Canóvanas Traditional Urban Center since it conveys the following aspects of integrity and criteria considerations: Location, Design, Setting, Materials, Workmanship, Feeling and Association, and other Architectural features such as the concrete ornamental blocks and concrete vertical features. The Property architecture conveys a sense of feeling and association with the eligible district and is therefore **eligible under Criterion C.**

Eugenio Maria de Hostos school

The Eugenio Maria de Hostos school building was designed in the Art Deco style and built circa 1925. Funding for the construction came from the Puerto Rico Reconstruction Administration, a New Deal agency. It is a two-story U-shaped building made of concrete with a flat overhang roof structure. The building has an eave that crowns the building along the U-shaped area. The longest main façade is framed by two tower-like elements that balance the vertical rhythm of the central portion. The tower elements have a pediment that extrudes from the horizontal eave and across this area, embedded lines are present to enhance the Art Deco style. Centered in the lower level a concrete eave with beveled corners is present to cover the main access through a two-leaf flush wood door. The school has Miami aluminum windows across the building. The rear elevation has an inner patio and windows of the same type are installed.

The quality of significance, as defined by the NRHP, is present in buildings that possess the following aspects of integrity: location, design, setting, materials, workmanship, feeling, and association. The Eugenio Maria de Hostos School fulfills all seven aspects of integrity.

The type of significance, as defined by the NRHP, is evaluated on buildings in terms of the following criteria considerations: A-Event, B-Person, C-Design & Construction, D-Information Potential. This property fulfills one (1) of the four (4) criteria: C-Design & Construction.

C-Design & Construction: The Eugenio Maria de Hostos School is a noteworthy example of the public effort to erect multiple schools in Puerto Rico during the early 20th century by repeating prototypical, building typologies throughout the Island.

As above mentioned, the Eugenio Maria de Hostos School **contributes** to the Canóvanas Traditional Urban Center since it conveys the following aspects of integrity and criteria considerations: Location, Design, Setting, Materials, Workmanship, Feeling and Association, and other Architectural features such as the concrete ornamental blocks and concrete vertical features. The Property architecture conveys a sense of feeling and association with the eligible district and is therefore **eligible under Criterion C.**

This property is located at the east of APE and the proposed project will not visually affect the integrity of the eligible property, since the proposed design will reflect an architectural language from the 21st century and does not mimic architectural features from other properties in the proximity of the APE.

Determination

The project is situated within an NRHP-eligible Traditional Urban Center and when considering architectural and archeological elements both individually and together, their importance from a historical point of view is undeniable.

In archaeological terms, given the past experiences with previous construction projects in traditional urban centers in Puerto Rico, it is known the sensitivity of these areas. For these reasons, the potential of finding previously unidentified archaeological resources with integrity within the project area is very high. According to what has been discussed, we understand that in the area under study, there is potential for the existence of architectural remains of various occupations, such as foundations, traces of walls and columns, floors, latrines, utilities water management, and collection structures.

There is also the potential for artifacts associated with the activities carried out on the site (butchery, slaughterhouse) to exist in the form of domestic and commercial garbage dumps. If present, archaeological remnants of previous occupations may have stratigraphic integrity. Therefore, we recommend archaeological monitoring at the site/urban property where the proposed project will be located.

The proposed design will not enhance a false sense of history and historically responsible design strategies have been considered to produce a contribution of the 21st century to the Canovánas traditional urban center. The placement of the new construction and features considers the historical evolution of the setting and scale to maintain the essence of what has been typical for the APE. The design prioritizes urban scale considerations, ensuring a thoughtful integration with its surroundings. It's important to note that the eligible properties within the direct and indirect APE are not part of the proposed project and will remain unaffected during construction and demolition activities. In evaluating the extended impact of the Visual or Indirect Areas of Potential Effect, the proposed project may not directly affect these areas, its construction phase could lead to aesthetic changes and disruptions to local transit that extend beyond its immediate footprint. To mitigate these effects, careful coordination of access roads and staging areas is essential in minimizing disturbances within the traditional urban center.

<u>Direct Effect:</u>

- A Phase IA/IB Archaeological Survey was conducted for the Plaza de Las Artes project in Canóvanas, Puerto Rico, at the request of the Municipality of Canóvanas and Architect Julián Manríquez. The survey, aimed at complying with the Institute of Puerto Rican Culture (ICP) Archaeology and Ethnohistory Program (PAE) requirements, included documentary research, cartographic and aerial

photo analysis, field inspections, and the excavation of five mechanical test trenches. While four trenches revealed structural remains, no significant cultural artifacts related to the site's domestic or commercial activities were uncovered.

- In the Area of Potential Effect, the direct impact on the corner empty lot will be the construction of the proposed project. However, the project will not impact the historical significance or eligibility of the surrounding properties, as outlined in the historical criteria.

Indirect effect:

- The proposed project will have positive indirect effects on both the Eugenio María de Hostos School and the surrounding indirect APE, contributing to various aspects such as social and educational

    - o Social Impact: The proposed project will serve as a central gathering point for the community, fostering a stronger connection among residents. By enhancing the space with ADA-compliant access, reforestation, and new public facilities, the project will contribute to the community's sense of pride and belonging. The proximity to the Eugenio María de Hostos School may lead to increased use of the plaza for school and community events, becoming a focal point of local culture and heritage.
    - o Educational Impact: The proximity of the school to the new plaza offers the potential for it to serve as an outdoor educational space, where students can engage in learning activities that connect them to their local history and environment.

    Indirect effects Specific to Eugenio María de Hostos School:

    - o Enhanced Accessibility and Use for School Activities: The ADA-compliant design and the addition of accessible ramps and pavilions ensure that students, staff, and visitors, including those with disabilities, will have easy access to the "Plaza de las Artes Teatrales" . This will allow the school to utilize the space for educational outings, physical activities, or school events, further integrating the plaza into the school's community.
    - o Aesthetic and Functional Enhancement: The proposed plaza, such as shade pavilions, new lighting, and new program space, will create a more inviting environment for students and residents alike. The enhanced usability of the space will provide students with a nearby recreational area, encouraging outdoor engagement.

In summary, the indirect effects of the project on the Eugenio María de Hostos School and the broader APE will support community cohesion, educational opportunities, and sustainable urban development.

Based on this, **a No Adverse Effect** determination is appropriate for this project, if the following recommendations are followed; Archaeological Supervision to identify the possible archaeological deposits or elements in the APE during the construction process.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) **Section 106 NHPA Effect Determination**	
Subrecipient: Municipality of Canóvanas	
Case ID: PR-CRP-000315	**City:** Canóvanas
Project Name: Plaza de Artes Teatrales	

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

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

☐ No Historic Properties Affected
☒ **No Adverse Effect if the following recommendations are followed; Archaeological monitoring for all ground disturbing activities. A monitoring plan will be prepared and submitted to the PRSHPO for review and approval.**
☐ Adverse Effect

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:

Figure 21:**Project (Parcel) Location – Area of Potential Effect Map (Aerial)**



Google earth 2024

Figure 22:**Project (Parcel) Location - Aerial Map**



Google earth 2024

Figure23: **Project (Parcel) Location – 2018 USGS Topographic Map**



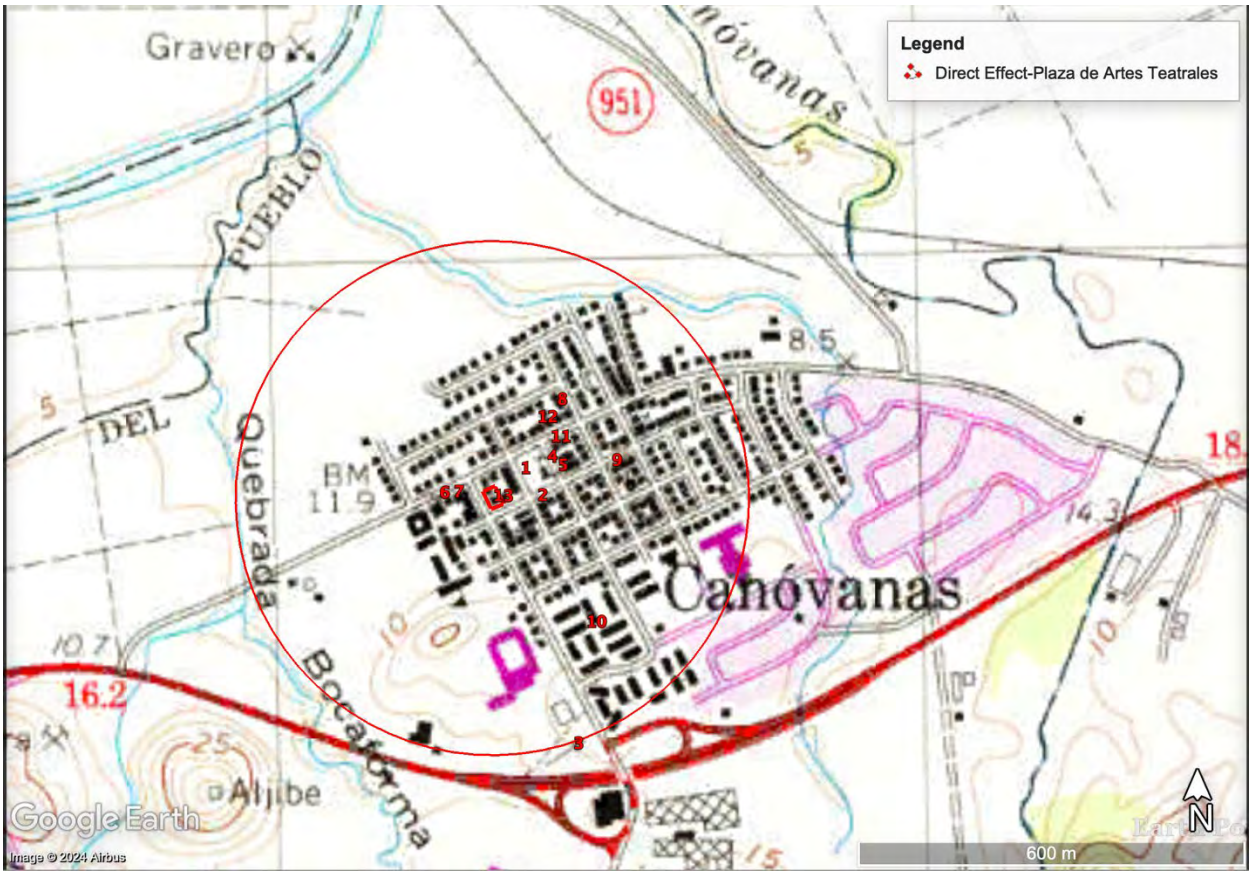
Google Earth/ Earth point 2024

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM **CITY REVITALIZATION PROGRAM (CITY-REV)** **Section 106 NHPA Effect Determination**	GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Subrecipient: Municipality of Canóvanas	
Case ID: PR-CRP-000315	**City:** Canóvanas
Project Name: Plaza de Artes Teatrales	

Figure 24:Project (Parcel) Location – Soils Map (Only if Archaeology Review is Required)



Figure 25:**Project (Parcel) Location with Previously Recorded Cultural Resources**



Google Earth/ Earth point 2024

1. Canóvanas Public Square - 18.379064, -65.900909
2. Canóvanas Town Hall - 18.378723, -65.90084
3. Municipal Cemetery - 18.375444, -65.900363
4. Nuestra Señora del Pilar Parish - 18.379159, -65.900606
5. Colegio Nuestra Señora del Pilar - 18.379133, -65.900548
6. Andrés Flores López School - 18.378564, -65.902364
7. Eugenio María de Hostos School - 18.378737, -65.901927
8. Fire Station - 18.379538, -65.901694
9. Seventh-day Adventist Church - 18.379188, -65.899707
10. Jesús T. Piñero Residential - 18.376732, -65.900078
11. Commercial three-story building (Parcel ID: 089-076-010-01) - 18.379394, -65.900713
12. Commercial two-story building (Parcel ID: 089-076-048-12) - 18.3797027, -65.9009200
13. Farmacia Olivero - 18.3788071, -65.901279

Figure 26:**Project (Parcel) Location with Previous Investigations - Aerial Map**



Google Earth 2024

1. Canóvanas Public Square - 18.379064, -65.900909
2. Canóvanas Town Hall - 18.378723, -65.90084
3. Municipal Cemetery - 18.375444, -65.900363
4. Nuestra Señora del Pilar Parish - 18.379159, -65.900606
5. Colegio Nuestra Señora del Pilar - 18.379133, -65.900548
6. Andrés Flores López School - 18.378564, -65.902364
7. Eugenio María de Hostos School - 18.378737, -65.901927
8. Fire Station - 18.379538, -65.901694
9. Seventh-day Adventist Church - 18.379188, -65.899707
10. Jesús T. Piñero Residential - 18.376732, -65.900078
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12. Commercial two-story building (Parcel ID: 089-076-048-12) - 18.3797027, -65.9009200
13. Farmacia Olivero - 18.3788071, -65.901279

Figure 27: Location with Previously Recorded Cultural Resources



Figure 28:Project (Parcel) Location with Previously Recorded Cultural Resources USGS Topographic Map

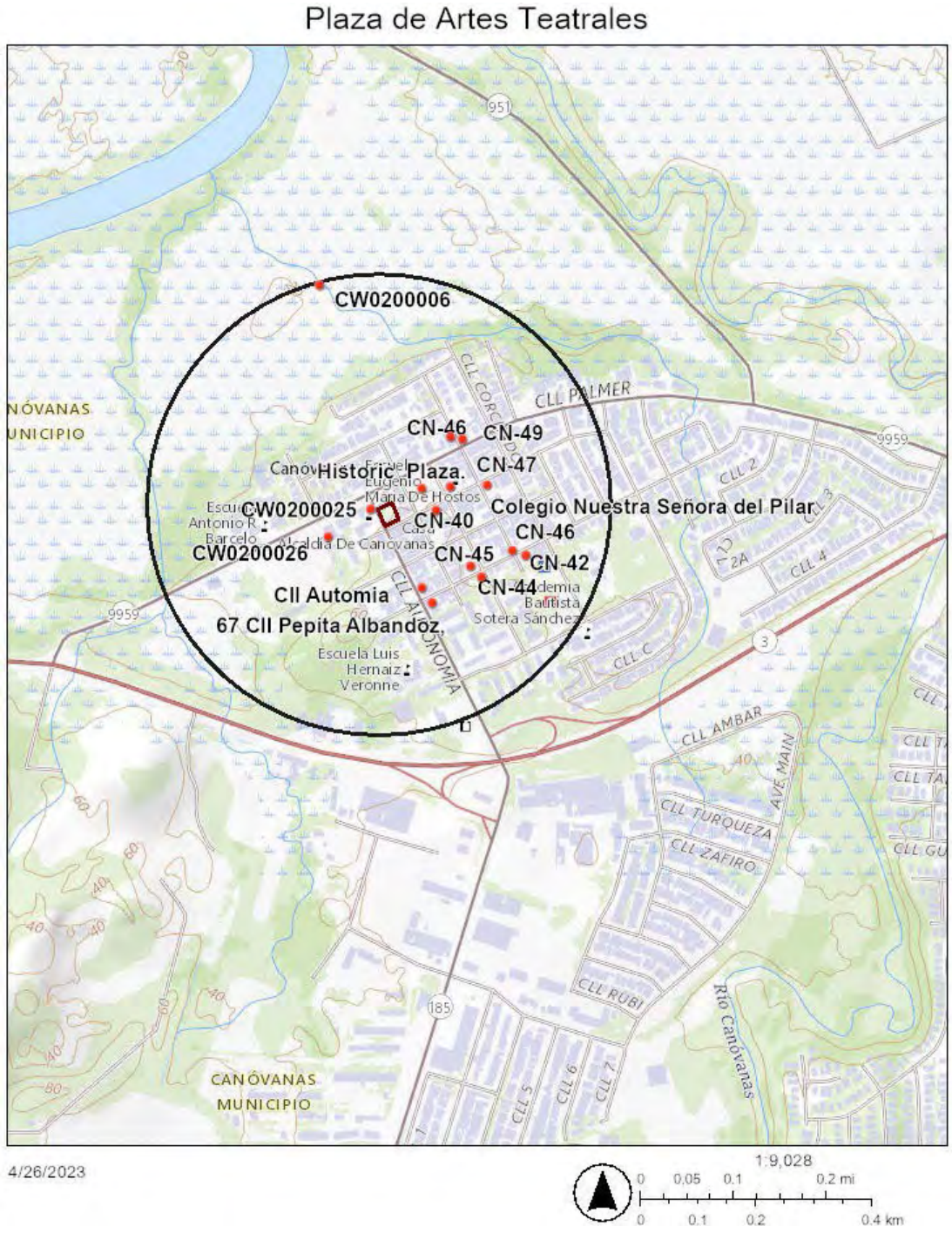


Figure 29:Proposed Layout Plan

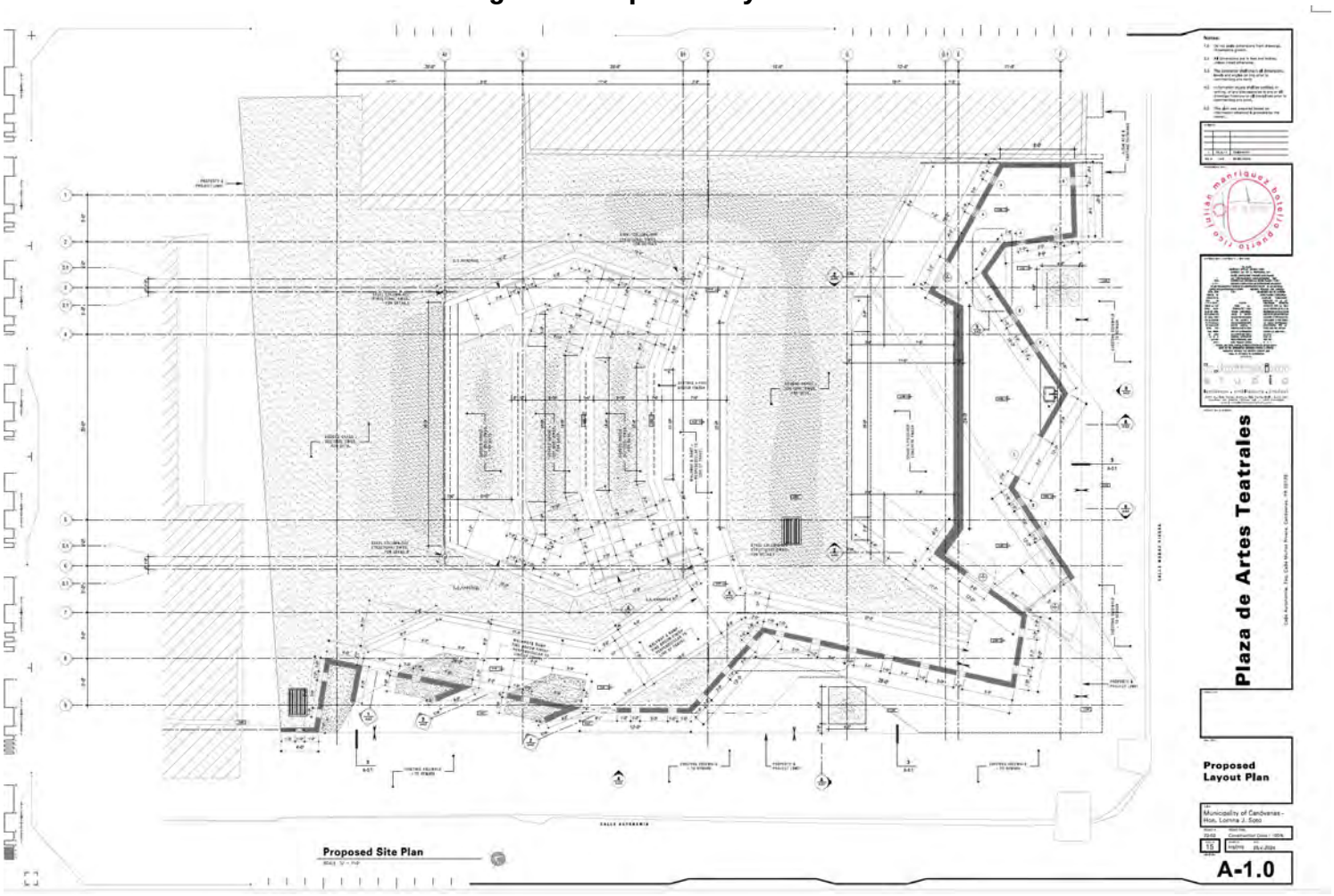


Figure 30:Reflected Ceiling Plan

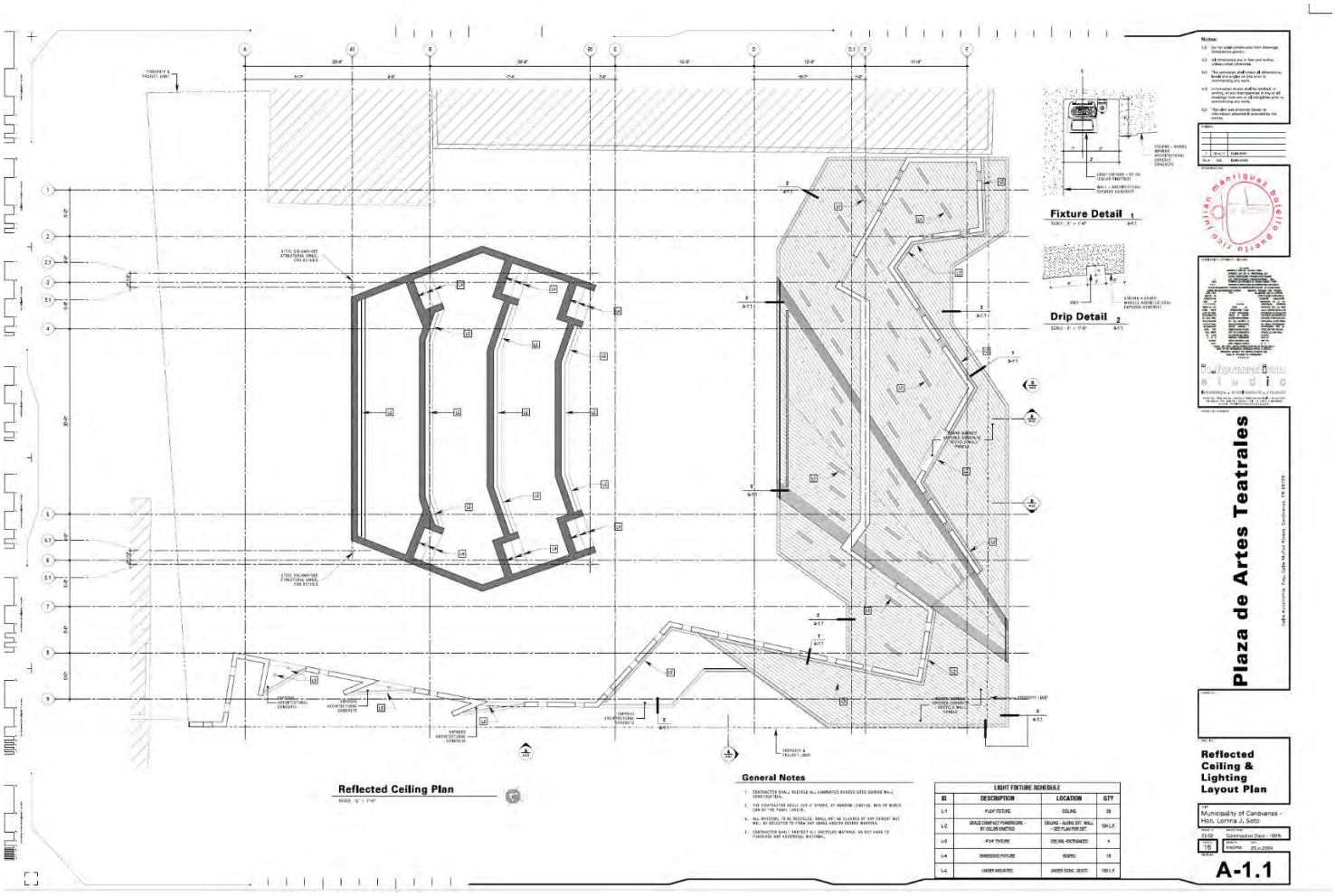
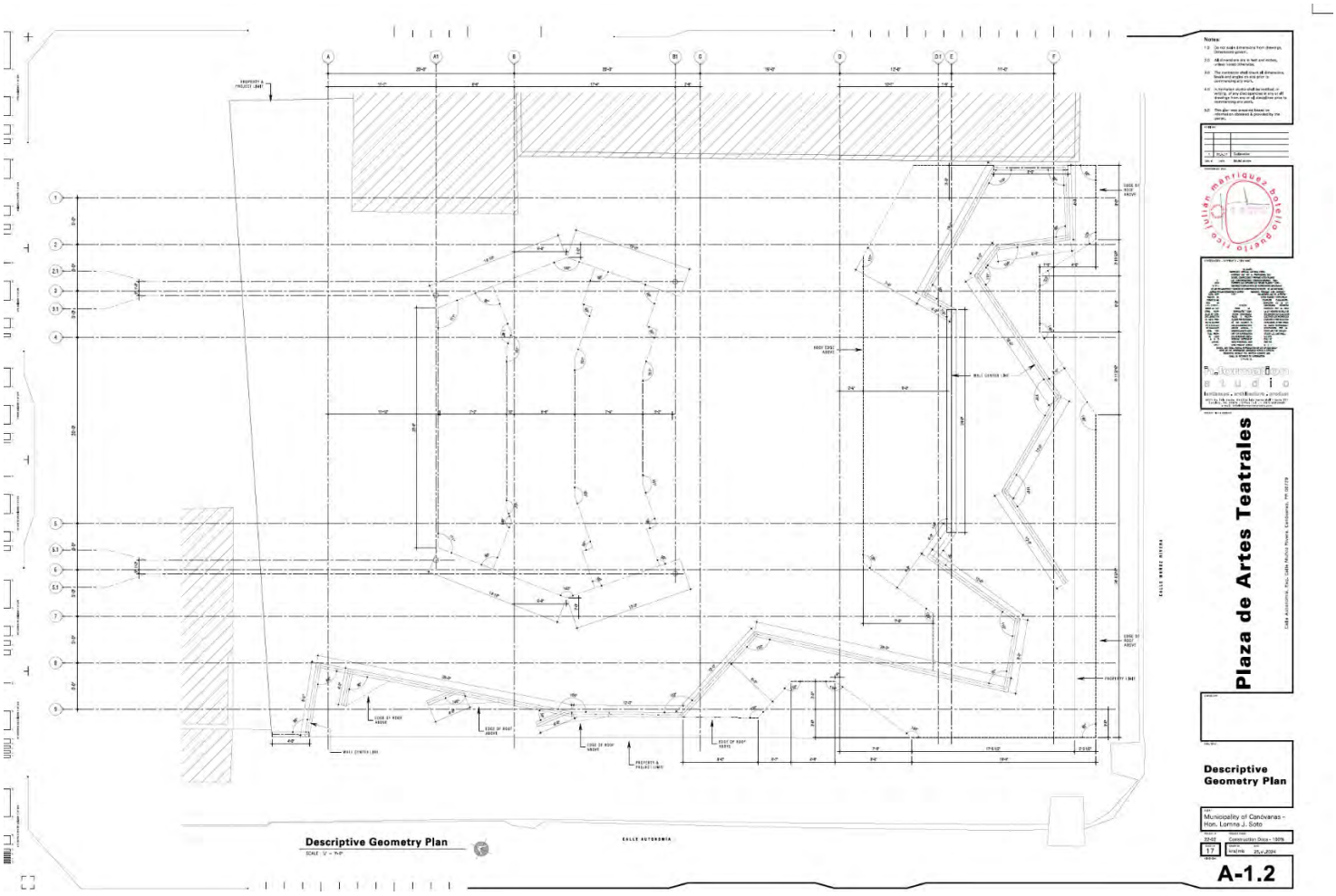


Figure 31:Descriptive Geometry plan



PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM **CITY REVITALIZATION PROGRAM (CITY-REV)** **Section 106 NHPA Effect Determination**	GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Subrecipient: Municipality of Canóvanas	
Case ID: PR-CRP-000315	**City:** Canóvanas
Project Name: Plaza de Artes Teatrales	

Figure 32:Elevations

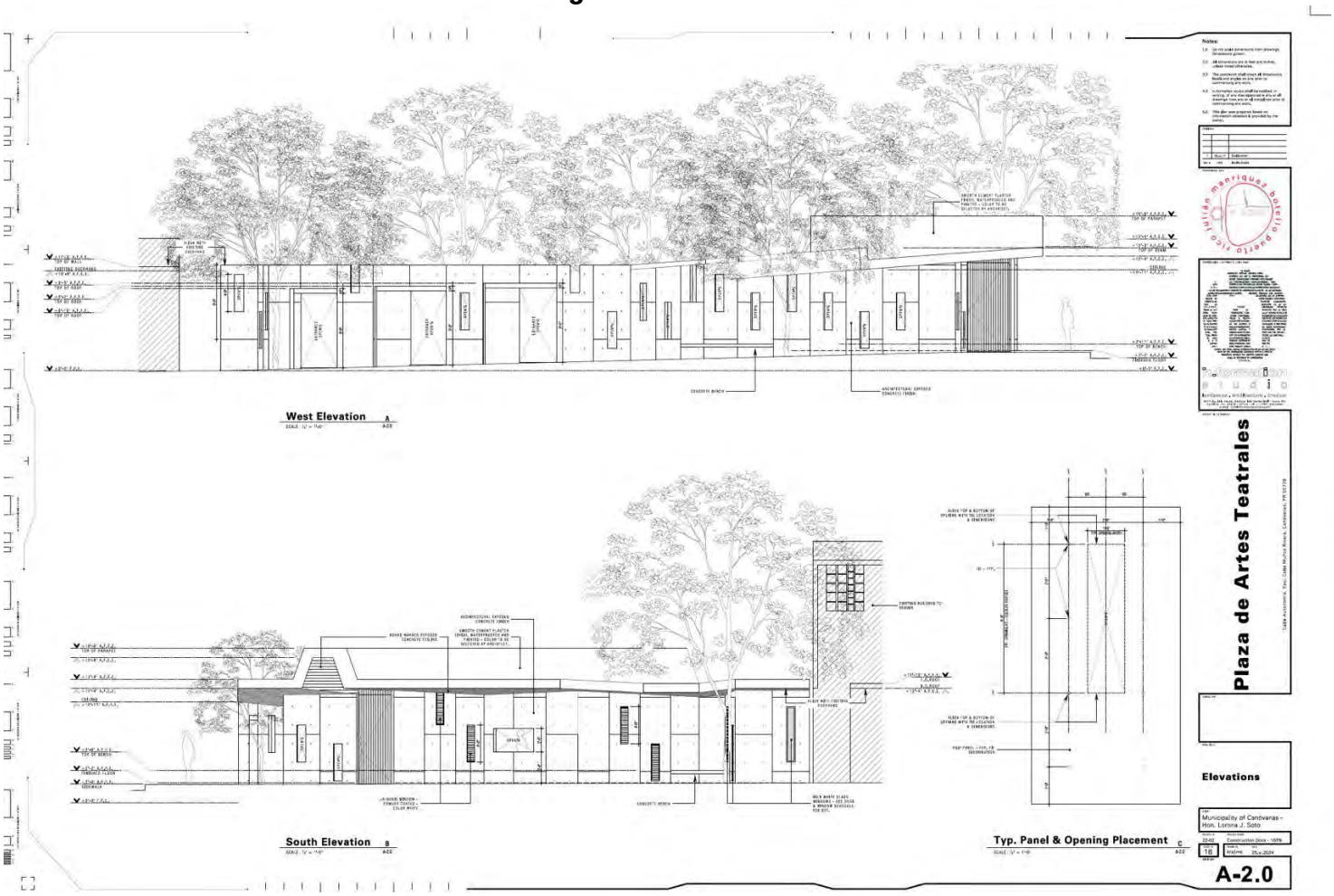


Figure 33: Sections

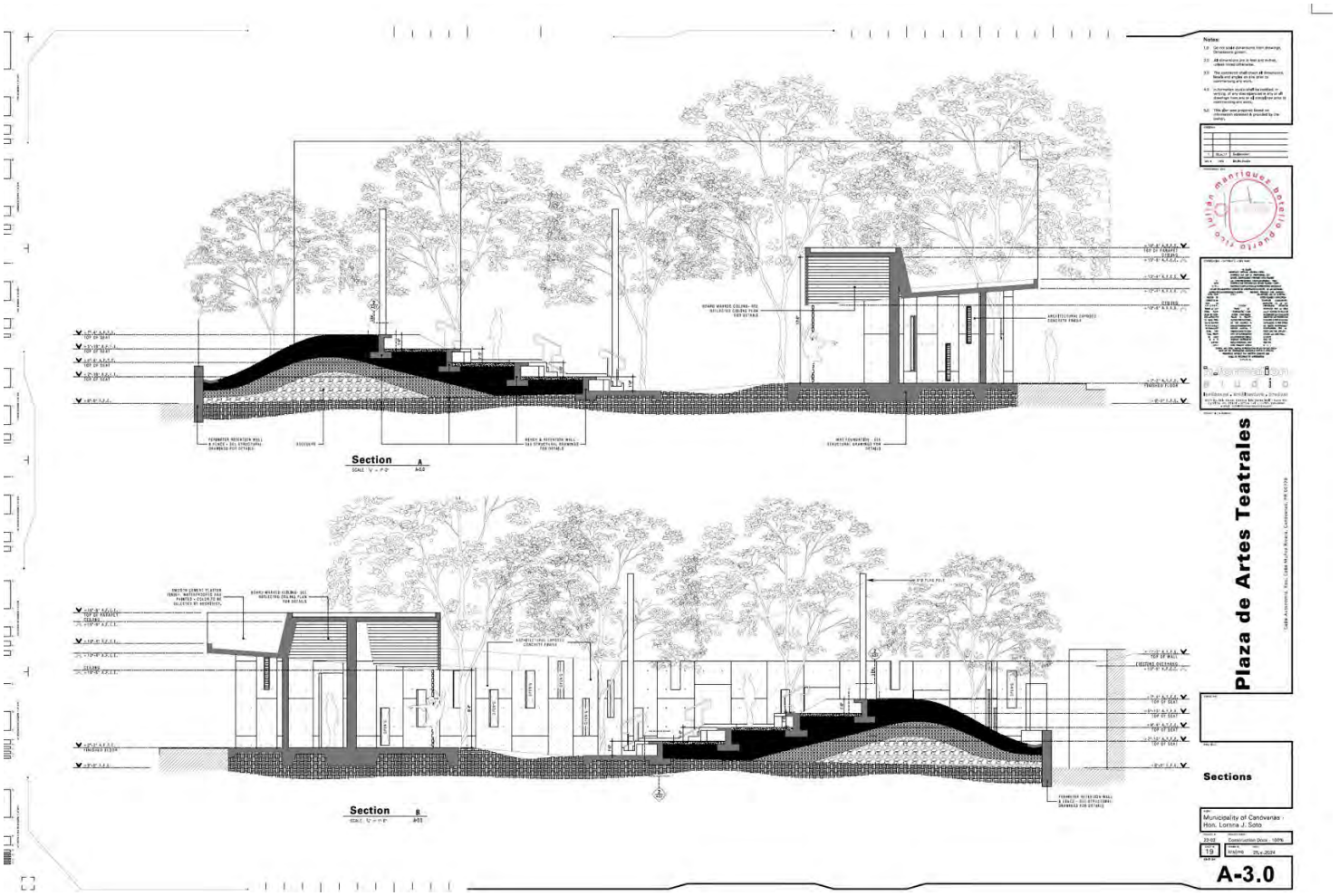


Figure 34. Sections

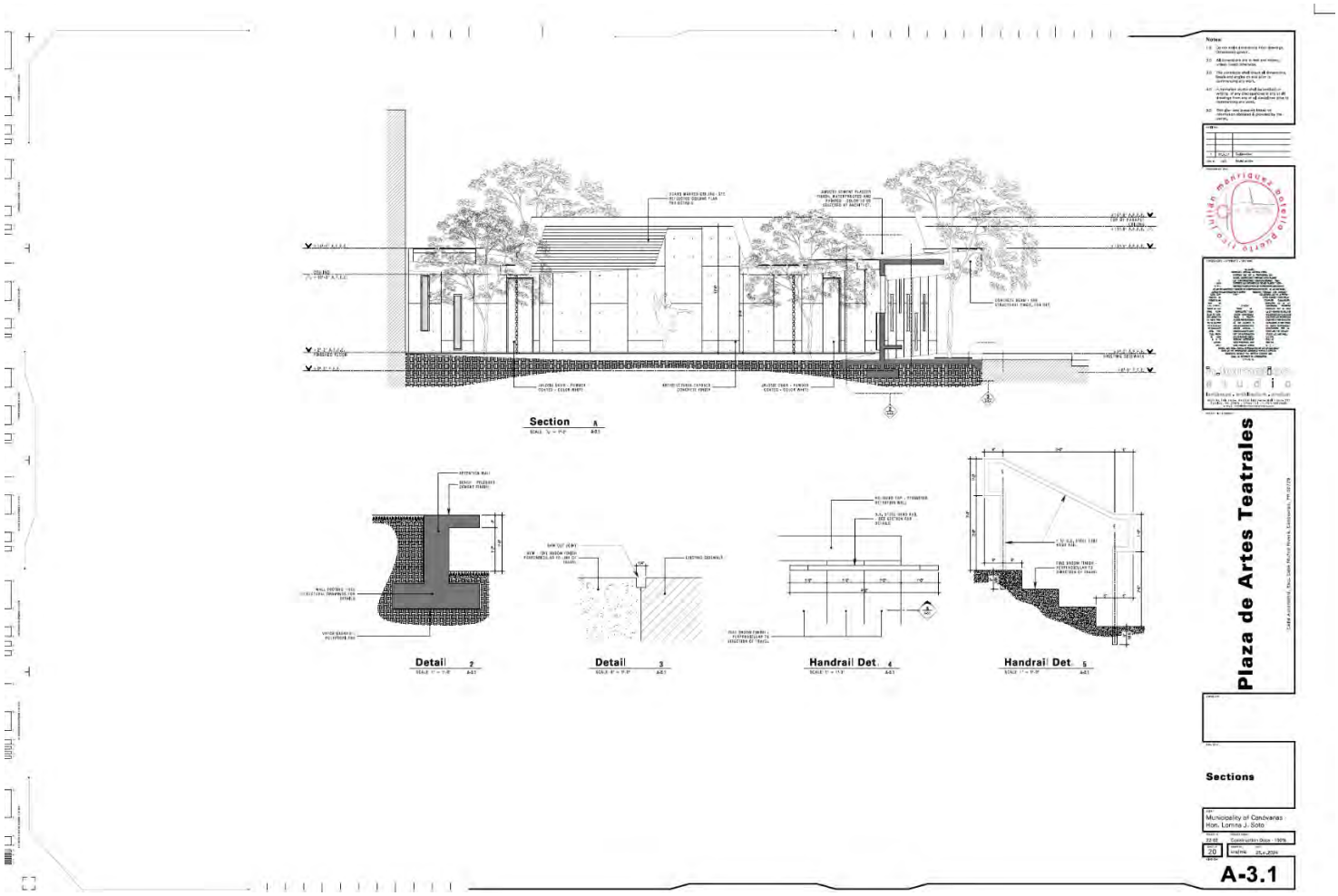


Figure 35: Sections

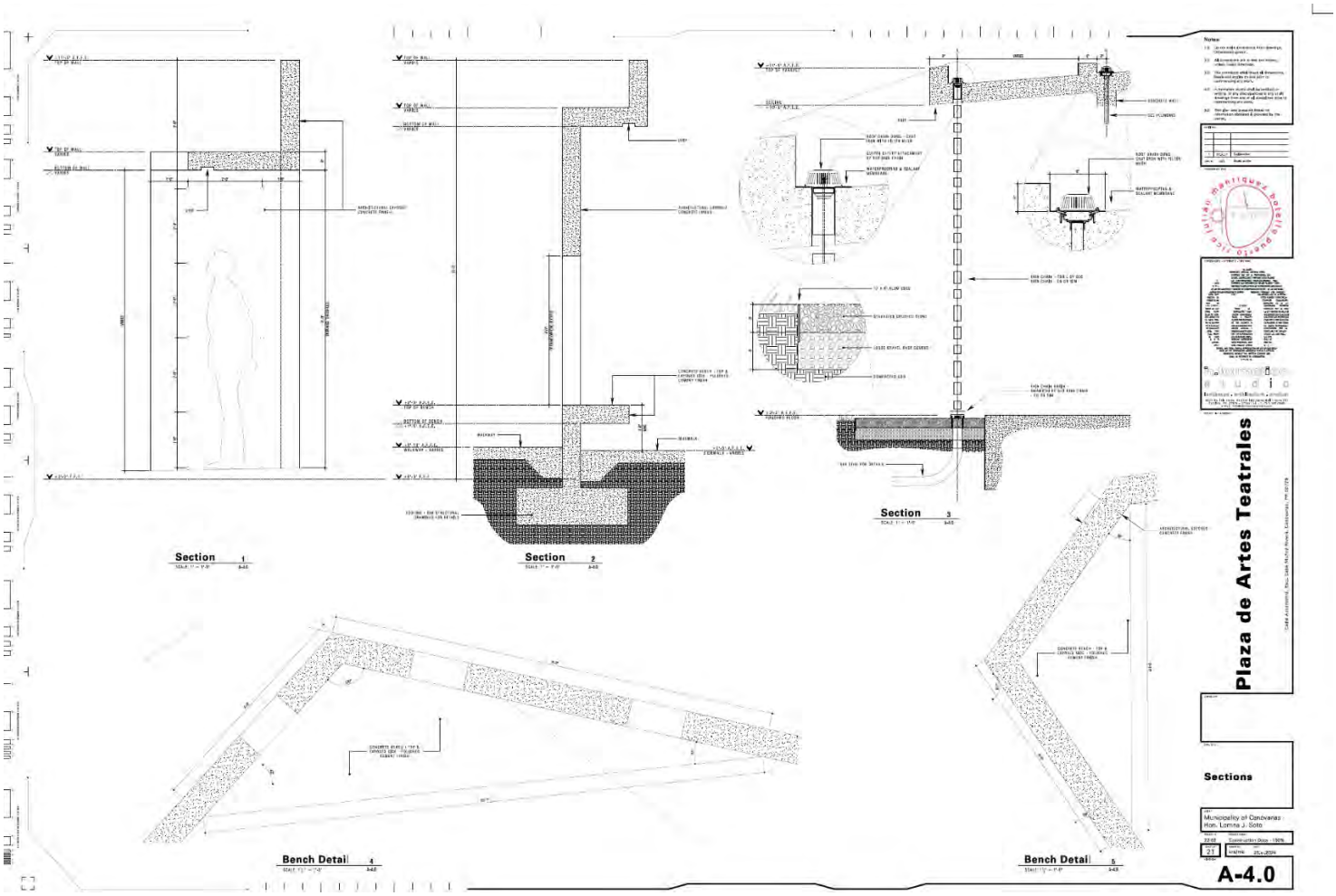


Figure 36: Door, Window Schedule, and Details

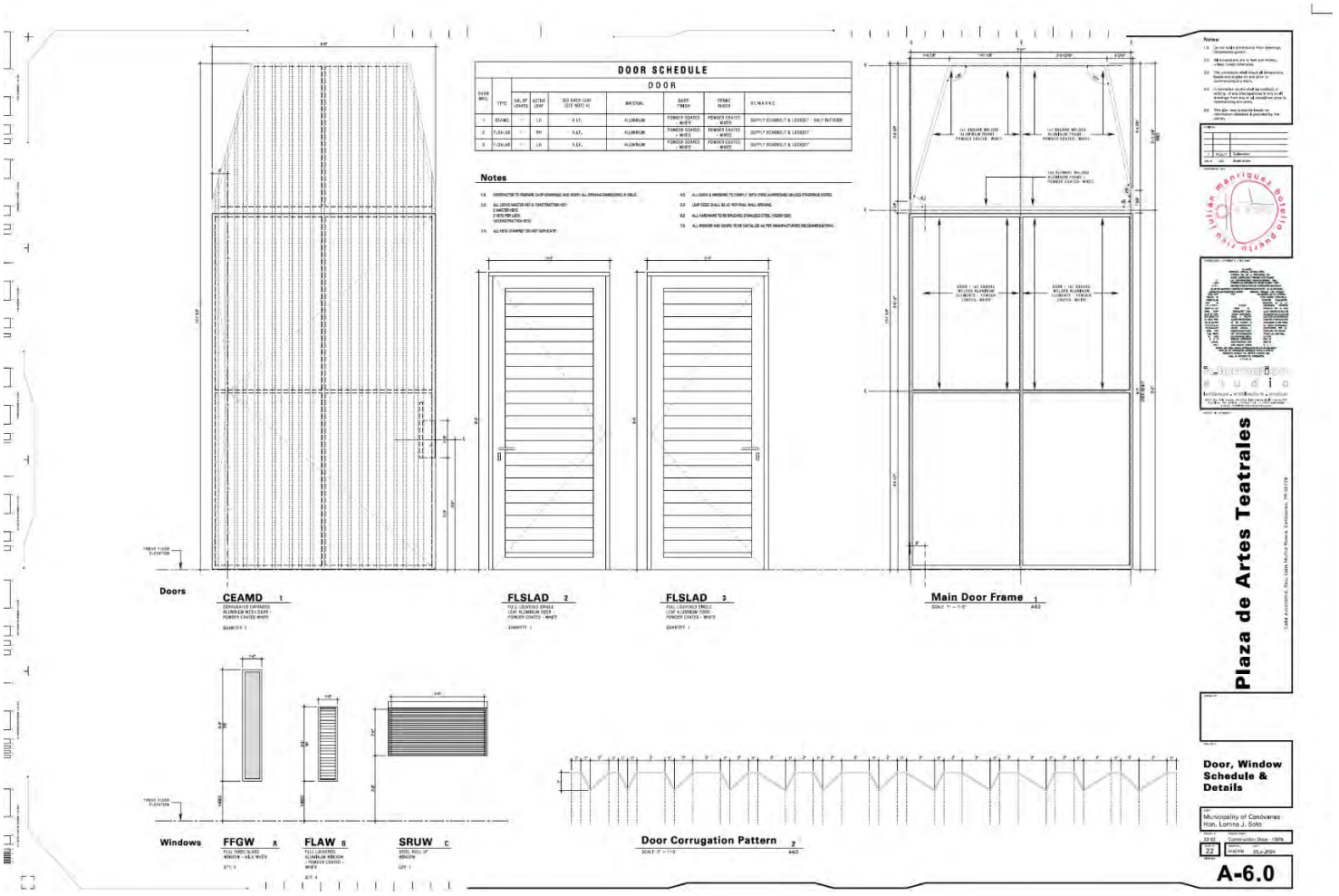


Figure 37: 3D View

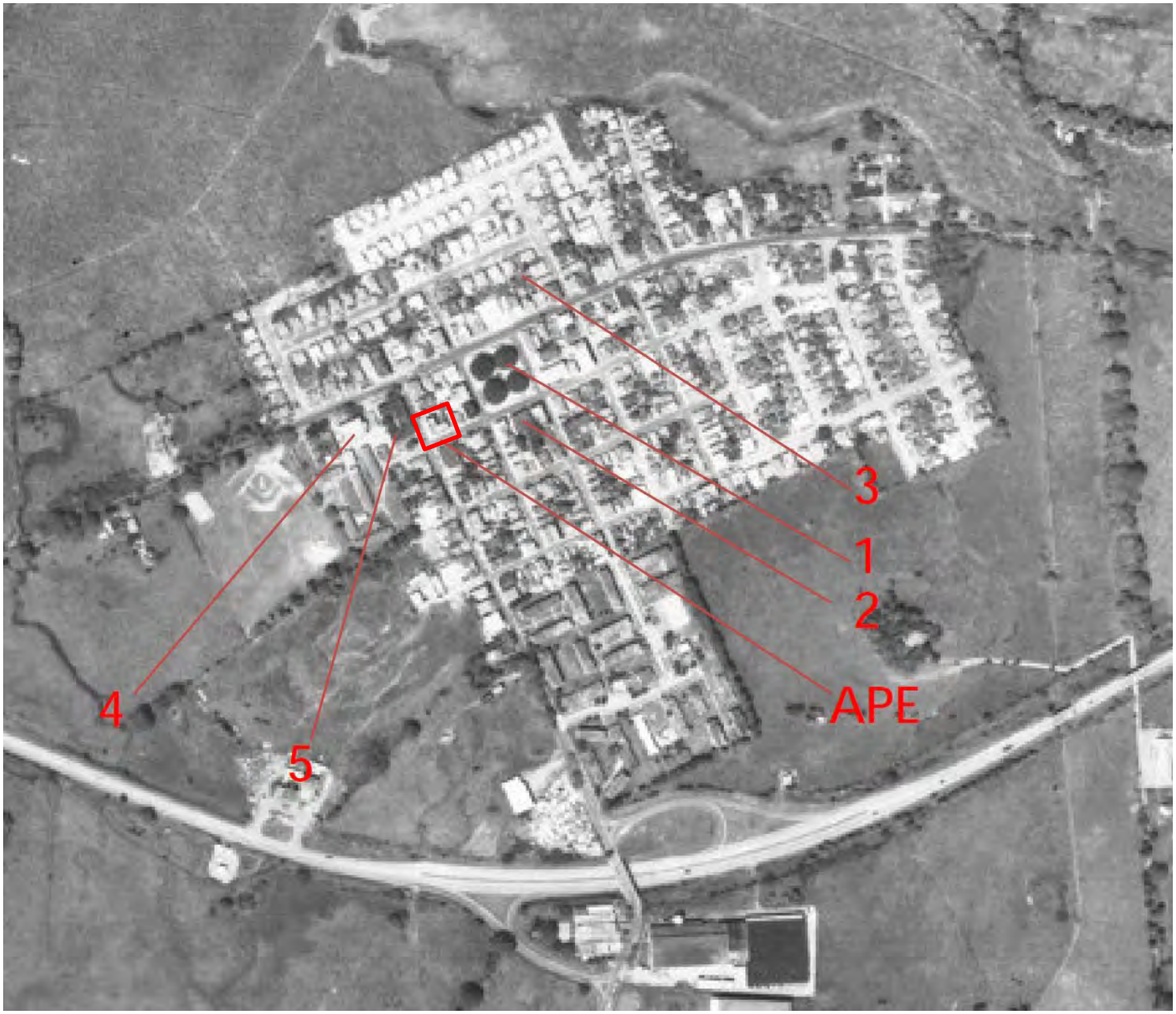


Figure 38: USGS 1930



1. Professor Juan Francisco Arroyo Salamán Public square it's 259 feet away from APE.
2. Canóvanas Town Hall it's 259 feet away from APE.
3. Andres Flores Lopez Public school it's 479 feet away from APE.
4. Eugenio Maria de Hostos Public school it's 148 feet away from APE.

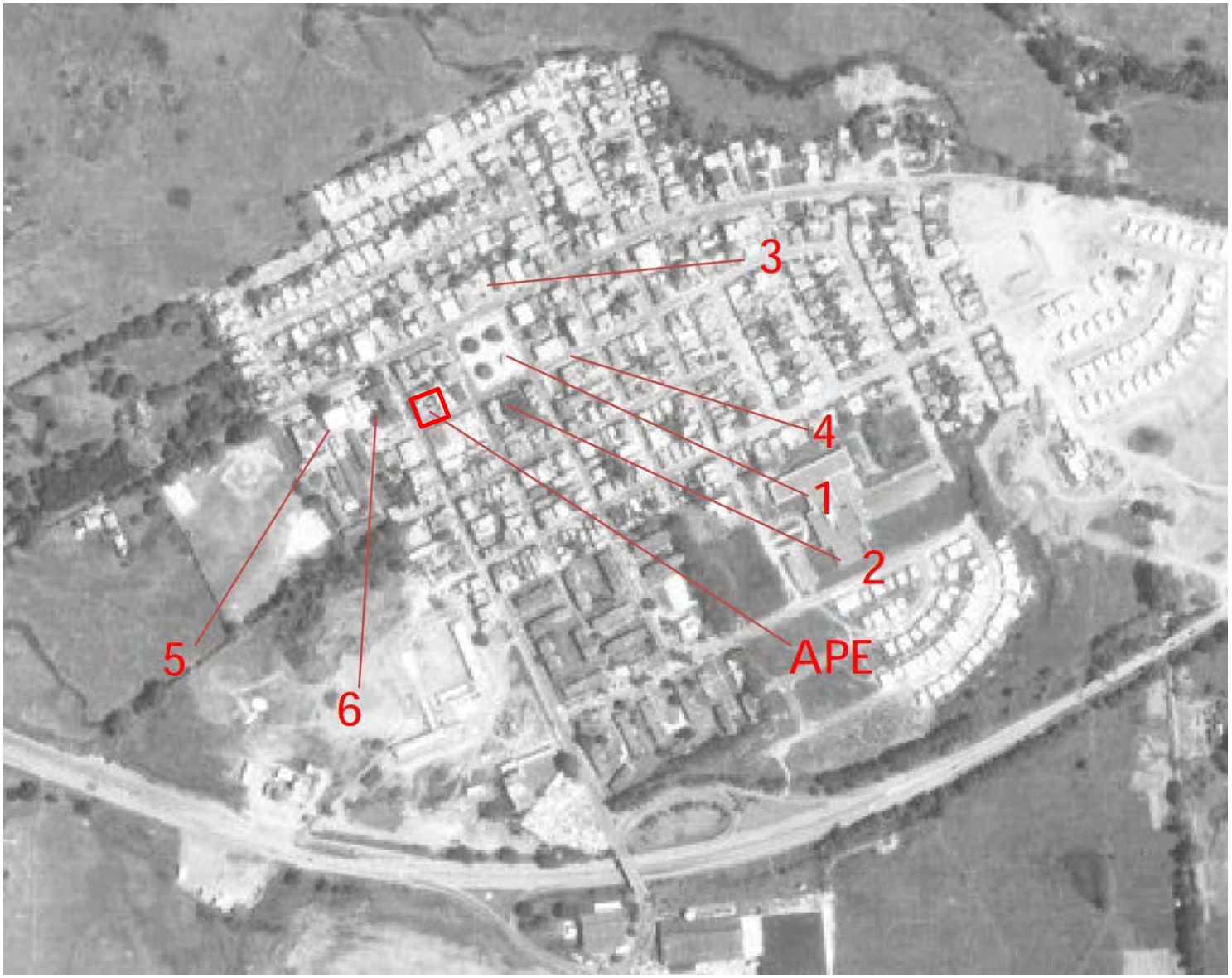
Figure 39: USGS 1964



1. Professor Juan Francisco Arroyo Salamán Public square it's 259 feet away from APE.
2. Canóvanas Town Hall it's 259 feet away from APE.
3. Canóvanas Fire Station it's 0.2 miles away from APE.
4. Andres Flores Lopez Public school it's 479 feet away from APE.
5. Eugenio Maria de Hostos Public school it's 148 feet away from APE.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination	GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Subrecipient: Municipality of Canóvanas	
Case ID: PR-CRP-000315	**City:** Canóvanas
Project Name: Plaza de Artes Teatrales	

Figure 40: USGS 1971



1. Professor Juan Francisco Arroyo Salamán Public square it's 259 feet away from APE.
2. Canóvanas Town Hall it's 259 feet away from APE.
3. Canóvanas Fire Station it's 0.2 miles away from APE.
4. Colegio Nuestra Señora del Pilar it's 0.1 mile away from APE.
5. Andres Flores Lopez Public school it's 479 feet away from APE.
6. Eugenio Maria de Hostos Public school it's 148 feet away from APE.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination	GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Subrecipient: Municipality of Canóvanas	
Case ID: PR-CRP-000315	**City:** Canóvanas
Project Name: Plaza de Artes Teatrales	

Figure 41: USGS 2018



1. Professor Juan Francisco Arroyo Salamán Public square it's 259 feet away from APE.
2. Canóvanas Town Hall it's 259 feet away from APE.
3. Canóvanas Fire Station it's 0.2 miles away from APE.
4. Colegio Nuestra Señora del Pilar it's 0.1 mile away from APE.
5. Andres Flores Lopez Public school it's 479 feet away from APE.
6. Eugenio Maria de Hostos Public school it's 148 feet away from APE

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM **CITY REVITALIZATION PROGRAM (CITY-REV)** **Section 106 NHPA Effect Determination**	GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Subrecipient: Municipality of Canóvanas	
Case ID: PR-CRP-000315	**City:** Canóvanas
Project Name: Plaza de Artes Teatrales	



Photo #:1 **Description (include direction):**

Date: 04/09/23 APE for proposed project

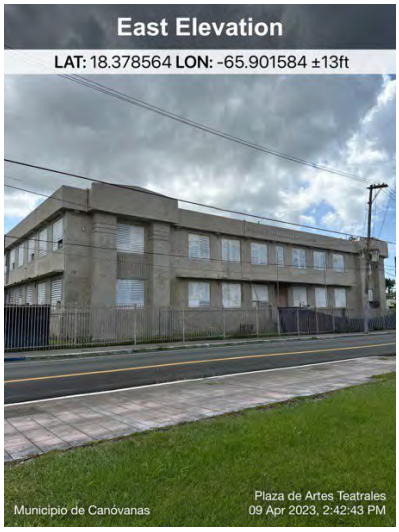


Photo #:2 **Description (include direction):**

Date: 04/09/23 View from APE lot for proposed project looking west

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) **Section 106 NHPA Effect Determination**	GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Subrecipient: Municipality of Canóvanas	
Case ID: PR-CRP-000315	**City:** Canóvanas
Project Name: Plaza de Artes Teatrales	



Photo :3 **Description (include direction):**

Date: 04/09/23 APE sidewalk looking North



Photo #:4 **Description (include direction):**

Date: 04/09/23 APE looking South



Photo #:4 **Description (include direction):**

Date: 04/09/23 Existing Condition, APE sidewalk looking north



Photo #:5 **Description (include direction):**

Date: 04/09/23 Existing Condition, Empty lot sidewalk looking east



Photo #:6 **Description (include direction):**

Date: 04/09/23 Existing Condition, Empty lot sidewalk looking east



Photo #:7 **Description (include direction):**

Date: 04/09/23 Urban context, Autonomia St. looking south



Photo #:8 **Description (include direction):**

Date: 04/09/23 Urban Context, Muñoz Rivera St. looking east



Photo #:9 **Description (include direction):**

Date: 04/09/23 Urban Context, Palmer St. looking east



Photo #:10 **Description (include direction):**

Date: 04/09/23 Urban Context, Muñoz Rivera St. looking east



Photo #:11 **Description (include direction):**

Date: 04/09/23 Urban Context, Adjacent Property located to the south of APE

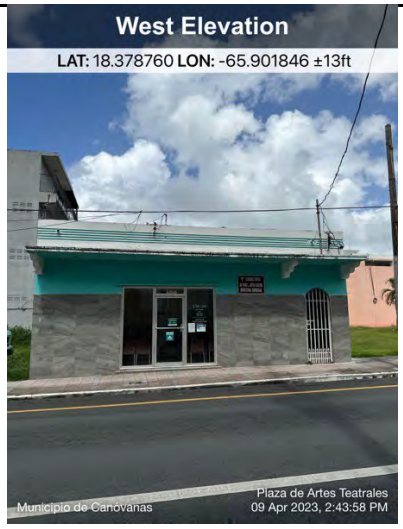


Photo #:12 **Description (include direction):**

Date: 04/09/23 Urban Context, Adjacent Property located to the north of APE 4 Palmer St.

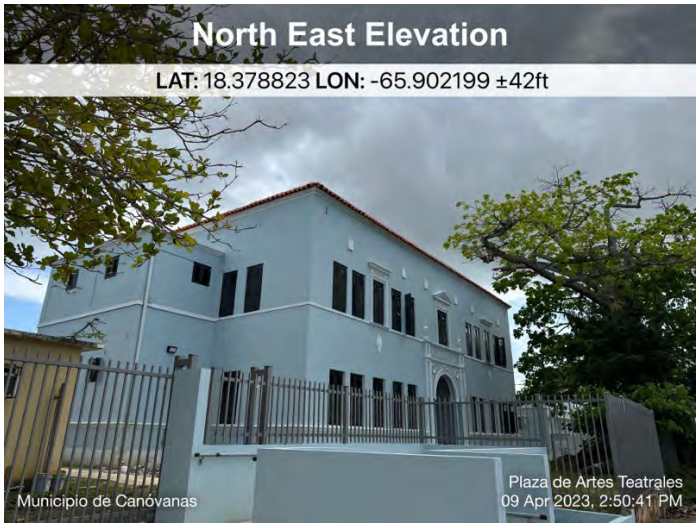


Photo #:13 **Description (include direction):**

Date: 04/09/23 Eligible Property, Andres Flores Lopez Public school 67 Palmer St.



Photo #:14 **Description (include direction):**

Date: 04/09/23 Eligible Property, Eugenio Maria de Hostos Public school Autonomia St. with Palmer St.



Photo #:15 **Description (include direction):**

Date: 04/09/23 Eligible Property, City Hall main Façade facing west, Luis Muñoz Rivera,St.



Photo #:16 **Description (include direction):**

Date: 04/09/23 Eligible Property, Canòvonas Fire Station main Façade facing East



Photo #:17 **Description (include direction):**

Date: 04/09/23 Eligible Property, Colegio Nuestra Señora del Pilar, main facade facing west, 3 Luis Hernaíz St. with Muñoz Rivera St.

PUERTO RICO 2017 DISASTER RECOVERY, CDBG-DR PROGRAM CITY REVITALIZATION PROGRAM (CITY-REV) Section 106 NHPA Effect Determination	GOVERNMENT OF PUERTO RICO DEPARTMENT OF HOUSING
Subrecipient: Municipality of Canóvanas	
Case ID: PR-CRP-000315	**City:** Canóvanas
Project Name: Plaza de Artes Teatrales	



Photo #:18 **Description (include direction):**

Date: 04/09/23 Professor Juan Francisco Arroyo Salamán Public square looking south

PR-CRP-000315

Plaza de Artes Teatrales Project

Canóvanas, Puerto Rico

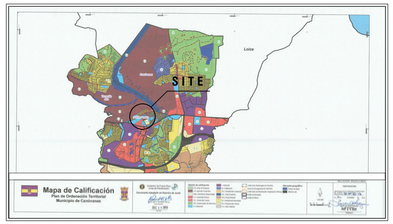
90% Design Drawings



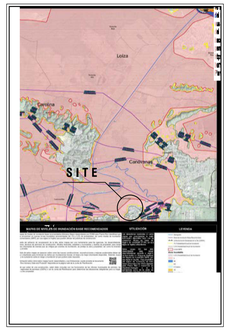
Project Image



Location Map



Zoning Map



Flood Map

Municipio de Canóvanas -
Hon. Lornna Soto Villanueva

h.formation studio
landscape . architecture . product
6777 Av. Isla Verde, Edificio Isla Verde Mall - Suite 221
Carolina, PR, 00979 - Office Tel: +1 (787) 236-0630
e-mail: info@hformationstudio.com

LIC. JULIÁN MANRIQUEZ BOTELLO, LICENCIA 19803, CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ, CONFECCIONÓ Y PREPARÓ ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTE DE LAS AGENCIAS GUBERNAMENTALES CORRESPONDIENTES Y QUE, A MI MEJOR CONOCIMIENTO Y SABER, ESTOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LA NORMATIVA APLICABLE DISPUESTA EN LA LEY ENMENDADA. CONOZCA LA LEY: TODA PERSONA QUE VIOLENTE CUALQUIER DISPOSICIÓN DE LA LEY RELACIONADA AL EJERCICIO DE LA PROFESIÓN DE ARQUITECTURA INCURRIRÁ EN DELITO MENOS GRAVE Y DE SER CONVICTO POR TRIBUNAL COMPETENTE, SERÁ CASTIGADO CON PENA DE RECLUSIÓN POR UN TÉRMINO FIJO DE SEIS MESES. DE MEDIAR CIRCUNSTANCIAS AGRAVANTES, LA PENA MÁXIMA PODRÁ SER HASTA DE UN AÑO DE CÁRCEL, MULTA DE HASTA MIL DÓLARES O AMBAS PENAS A DISCRECIÓN DEL TRIBUNAL. CUALQUIER PERSONA QUE VIOLENTE CUALQUIER DISPOSICIÓN DE LA LEY RELACIONADA AL EJERCICIO DE LA PROFESIÓN DE ARQUITECTURA INCURRIRÁ EN DELITO MENOS GRAVE Y DE SER CONVICTO POR TRIBUNAL COMPETENTE, SERÁ CASTIGADO CON PENA DE RECLUSIÓN POR UN TÉRMINO FIJO DE SEIS MESES. DE MEDIAR CIRCUNSTANCIAS AGRAVANTES, LA PENA MÁXIMA PODRÁ SER HASTA DE UN AÑO DE CÁRCEL, MULTA DE HASTA MIL DÓLARES O AMBAS PENAS A DISCRECIÓN DEL TRIBUNAL. CUALQUIER PERSONA QUE VIOLENTE CUALQUIER DISPOSICIÓN DE LA LEY RELACIONADA AL EJERCICIO DE LA PROFESIÓN DE ARQUITECTURA INCURRIRÁ EN DELITO MENOS GRAVE Y DE SER CONVICTO POR TRIBUNAL COMPETENTE, SERÁ CASTIGADO CON PENA DE RECLUSIÓN POR UN TÉRMINO FIJO DE SEIS MESES. DE MEDIAR CIRCUNSTANCIAS AGRAVANTES, LA PENA MÁXIMA PODRÁ SER HASTA DE UN AÑO DE CÁRCEL, MULTA DE HASTA MIL DÓLARES O AMBAS PENAS A DISCRECIÓN DEL TRIBUNAL.

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LIC. JULIÁN MANRIQUEZ BOTELLO PUERTO RICO
LIC: MXX DCCC III
EXP. 18.X.2025

PROFESSIONAL SEAL

Drawing List

General

T-1	TITLE SHEET
L-001	SYMBOLS, LEGEND & ABBREVIATIONS
GN-1.0	GENERAL NOTES
GDN-1.0	GENERAL DEMOLITION NOTES
SY-1.0	LAND SURVEY AND TOPOGRAPHY

Civil

C-1.0	CIVIL SITE PLAN
C-2.0	SITE IMPROVEMENTS & GRADING PLAN
C-2.1	SITE IMPROVEMENTS DETAILS
C-3.0	CES PLAN & DETAILS
C-4.0	MAINTENANCE OF TRAFFIC (MOT) PLAN
C-4.1	MAINTENANCE OF TRAFFIC (MOT) DETAILS

Architecture

L-1.0	PLANTING LAYOUT & DETAILS
ED-1.0	EXISTING & DEMOLITION PLAN
AS-1.0	PROPOSED SITE PLAN
A-1.0	PROPOSED LAYOUT PLAN
A-1.1	REFLECTED CEILING & LIGHTING LAYOUT PLAN
A-1.2	DESCRIPTIVE GEOMETRY PLAN
A-2.0	ELEVATIONS & DETAILS
A-3.0	SECTIONS & DETAILS
A-3.1	SECTIONS & DETAILS
A-4.0	WALL SECTION & DETAILS
A-6.0	DOOR & WINDOW SCHEDULE

Structural

ST-1.0	FOUNDATION PLAN & DETAILS
ST-1.1	FOUNDATION DETAILS
ST-1.2	FOUNDATION DETAILS
ST-2.0	STRUCTURAL ELEVATIONS
ST-3.0	ROOF STRUCTURAL PLAN
ST-3.1	ROOF STRUCTURAL DETAILS
ST-4.0	STRUCTURAL NOTES & GENERAL DETAILS
ST-4.1	STRUCTURAL NOTES & GENERAL DETAILS

Plumbing

P-1.0	PLUMBING DISTRIBUTION PLAN
P-2.0	SANITARY AND WATER ISOMETRIC
P-3.0	PLUMBING NOTES & DETAILS

Electrical

ES-1.0	ELECTRICAL SITE PLAN
ES-2.0	ELECTRICAL NOTES, SCHEDULES & DETAILS
E-1.0	ELECTRICAL POWER PLAN
E-1.1	ELECTRICAL LIGHTING PLAN
E-1.2	ELECTRICAL LEGEND & NOTES

Telecommunications

T-1.0	TELECOMMUNICATIONS LAYOUT PLAN
T-2.0	TELECOMMUNICATIONS NOTES & DETAILS

PROPERTY DATA

Cadastral No: 089-086-017-08

PROJECT NAME & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Muñoz Rivera
Canóvanas,PR 00729

LANDSCAPE
XXX
XXX

CIVIL
JOG Engineering, Corp.
José O. González García, P.E.

STRUCTURAL
JOG Engineering, Corp.
José O. González García, P.E.

MECHANICAL A/C
XXX
XXX

PLUMBING
Jorge Torres Scandali
Jorge Torres Scandali, P.E.

FIRE PROTECTION
XXX
XXX

ELECTRICAL
Requena & Assoc.
Alfonso Lázaro, P.E.

VIDEO/DATA COMMUNICATIONS
Requena & Assoc.
Alfonso Lázaro, P.E.

ELECTRONIC/AUDIO/VISUAL
XXX
XXX

THEATER ACOUSTICAL
XXX
XXX

LIGHTING DESIGN
XXX
XXX

INTERIORS
XXX
XXX

SECURITY
XXX
XXX

ENVIRONMENTAL - HAZARDOUS MATERIAL
XXX
XXX

DIGITAL FABRICATION
XXX
XXX

Consultants

Specialty Consultants

BID SET January 10, 2025

Abbreviations

A-I		**J-Z**		**Acronyms**	
[E]	EXISTING	**JAN**	JANITOR	**SAD**	SEE ARCHITECTURAL DRAWINGS
[N]	NEW	**JT**	JOINT	**SSD**	SEE STRUCTURAL DRAWINGS
AB	ANCHOR BOLT	**LAM**	LAMINATE	**SCD**	SEE CIVIL DRAWINGS
ACT	ACCOUSTICAL CEILING TILE	**LP**	LOW POINT	**SMD**	SEE MECHANICAL DRAWINGS
ACCOUST	ACCOUSTICAL	**LAV**	LAVATORY	**SED**	SEE ELECTRICAL DRAWINGS
AFF	ABOVE FINISH FLOOR	**MAX**	MAXIMUM	**SLD**	SEE LANDSCAPE DRAWINGS
AFFE	ABOVE FINISH FLOOR ELEVATION	**MECH**	MECHANICAL	**SD & TD**	SEE DATA & TELECOMMUNICATION DRAWINGS
AFFL	ABOVE FINISH FLOOR LEVEL	**MH**	MANHOLE		
ALT	ALTERNATE	**MIN**	MINIMUM		
ALUM	ALUMINUM	**MO**	MASONRY OPENING		
APPROX	APPROXIMATE	**MISC**	MISCELLANEOUS		
ARCH	ARCHITECTURAL	**MTD**	MOUNTED		
ASPH	ASPHALT	**MTL**	METAL		
BB	BOTTOM OF BEAM	**NIC**	NOT IN CONTRACT		
BD	BOARD	**NO**	NUMBER		
BLDG	BUILDING	**NTS**	NOT TO SCALE		
BLKG	BLOCKING	**OC**	ON CENTER		
BM	BEAM	**OD**	OUTSIDE DIAMETER		
BOD	BOTTOM OF DECK	**OH**	OVERHEAD		
BOS	BOTTOM OF SLOPE	**OPNG**	OPENING		
BOT	BOTTOM	**OPP**	OPPOSITE		
BT	BOTTOM CURB	**PBC**	PLUMBING CONTRACTOR		
BS	BOTH SIDES	**PL**	PLATE		
BW	BOTTOM WALL	**PLAS LAM**	PLASTIC LAMINATE		
CB	CATCH BASIN	**PLYWD**	PLYWOOD		
CJ	CONTROL JOINT	**PNT**	PAINT		
CLG	CEILING	**PR**	PAIR		
CL	CENTER LINE	**PT**	POINT OF TANGENCY		
CLR	CLEAR	**RAD**	RADIUS		
CMU	CONCRETE MASONRY UNIT	**RD**	ROOF DRAIN		
COL	COLUMN	**REINF**	REINFORCED		
CONC	CONCRETE	**REQD**	REQUIRED		
CONT	CONTINUOUS	**RESIL**	RESILIENT		
CONTR	CONTRACTOR	**RM**	ROOM		
CPT	CARPET	**RO**	ROUGH OPENING		
CT	CERAMIC TILE	**RTU**	ROOF TOP UNIT		
CTR	CENTER	**SHTG**	SHEATHING		
DBL	DOUBLE	**SIM**	SIMILAR		
DET	DETAIL	**SPECS**	SPECIFICATIONS		
DIA	DIAMETER	**SQ**	SQUARE		
DN	DOWN	**SS**	STAINLESS STEEL		
DR	DOOR	**STA**	STATION		
DS	DOWN SPOUT	**STD**	STANDARD		
DWG	DRAWING	**STL**	STEEL		
EA	EACH	**STRUCT**	STRUCTURAL		
EF	EACH FACE	**SUSP CLG**	SUSPENDED CEILING		
EJ	EXPANSION JOINT	**TBD**	TO BE DETERMINED		
ELC	ELECTRICAL CONTRACTOR	**TBS**	TO BE SELECTED		
ELEC	ELECTRICAL	**TOB**	TOP OF BEAM		
ELEV	ELEVATION (FACADE)	**TOC**	TOP OF CURB		
EQ	EQUAL	**TOPA**	TOP OF PANEL		
EQUIP	EQUIPMENT	**TOP**	TOP OF PARAPET		
EXF	EXHAUST FAN	**TOS**	TOP OF STAIR		
EXP	EXPANSION	**TOW**	TOP OF WALL		
EXIST	EXISTING	**TYP**	TYPICAL		
EW	EACH WAY	**UNF**	UNFINISHED		
EWC	ELECTRIC WATER COOLER	**UON**	UNLESS OTHERWISE NOTED		
FD	FREE DISCHARGE (ROOF DRAIN)	**VCT**	VINYL COMPOSITE TILE		
FDN	FOUNDATION	**VIF**	VERIFY IN FIELD		
FFE	FINISH FLOOR ELEVATION	**W/**	WITH		
FH	FIRE HYDRANT	**WD**	WOOD		
FIN	FINISH (ED)				
FLR	FLOOR				
FP	FIREPROOF				
FTG	FOOTING				
FURR	FURRING				
GA	GAUGE				
GALV	GALVANIZED				
GCC	GENERAL CONSTRUCTION CONTRACTOR				
GL	GLASS				
GRD	GRADE				
GYP	GYPSUM				
HAC	HEATING & A/C CONTRACTOR				
HB	HOSE BIB				
HC	HOLLOW CORE				
HDWD	HARDWOOD				
HM	HOLLOW METAL				
HORIZ	HORIZONTAL				
HP	HIGHT POINT				
HT	HEIGHT				
ID	INSIDE DIAMETER				
IDC	INSIDE DIMENSION CLEAR				
INSUL	INSULATION				
INT	INTERIOR				

Symbols

NORTH ARROW

ELEVATION DESIGNATION / REFERENCED DRAWING — ELEVATION - EXTERIOR

SECTION DESIGNATION / REFERENCED DRAWING — GENERAL SECTION

PARTIAL OR WALL SECTION DESIGNATION / REFERENCED DRAWING — PARTIAL OR WALL SECTION

ELEVATION - INTERIOR

DETAIL DESIGNATION / REFERENCED DRAWING — DETAIL

DOOR DESIGNATION # / HARDWARE DESIGNATION # — DOOR DESIGNATION

WINDOW DESIGNATION

NOTE INDICATOR

DEMOLITION NOTE INDICATOR
A. ACCESSORIES/MISCELLANEOUS
C. CEILING
D. DOORS/FRAMES
F. FLOOR
M. MECHANINCAL/PLUMBING
P. PARTITIONS
W. WINDOWS

REVISION INDICATOR

ROOM NAME — SPACE IDENTIFICATION NAME

23 — SPACE DESIGNATION #

REF. CLG. WALL / FLOOR BASE — FINISHES KEY

1 — FIXTURE/EQUIPMENT IDENTIFIER

+14'-6" A.F.F.E. — ELEVATION - AT FINISH FLOOR LEVEL

+14'-0" A.F.E.E. — ELEVATION - AT CEILING LEVEL

1 / A-2.6 — DETAIL SECTION

CHANGE IN FLOOR FINISH

CHANGE OF FLOOR FINISH WHERE THRESHOLD OR SADDLE OCCURS

XX — STRUCTURAL AXIS

CHANGE IN FLOOR LEVEL

HIDDEN OUTLINE (SHOWING CONDITION BELOW, ABOVE, BEHIND OR BEYOND)

MATCH LINE

12% — SLOPE

136.6' — EXISTING SPOT ELEVATION

136.6' — PROPOSED SPOT ELEVATION

6" — DIMENSION - PRIMARY - TXT HT. 3/32" - & OFFSET 1/16"

6" — DIMENSION - SECONDARY - TXT HT. 1/16" - & OFFSET 1/32"

ANNOTATION ARROW

ANNOTATION DOT

℄ — CENTER LINE

BREAK LINE

Floor Plan

A

SCALE : 1/128" = 1'-0"

A-2.1

BID SET February 25, 2017

NOT FOR CONSTRUCTION

Legend

- EXISTING CONSTRUCTION TO REMAIN
- WALLS TO BE DEMOLISHED
- STRUCTURAL CONCRETE WALL
- CONCRETE BLOCK WALL
- GWB. PARTITION
- ELEMENTS TO BE REMOVED
- PROPERTY LINE

Notes:

1.0 Do not scale dimensions from drawings. Dimensions govern.

2.0 All dimensions are in feet and inches, unless noted otherwise.

3.0 The contractor shall check all dimensions, levels and angles on site prior to commencing any work.

4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.

5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS

REV. #	DATE	ISSUING REASON
-	-	-

PROFESSIONAL SEAL

julián manríquez botello fpuerto rico

LIC: MRX 00CC III
EXP: 18.X.2025

CERTIFICACION / CERTIFICATE / FIRM NAME

YO, JULIÁN MANRÍQUEZ BOTELLO, LICENCIA 19882, CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ, CONFECCIONÓ Y PREPARÓ ESTOS PLANOS. I, JULIÁN MANRÍQUEZ BOTELLO, LICENSE NO. 19882, CERTIFY THAT I AM THE PROFESSIONAL WHO DESIGNED, PLANNED AND PREPARED THESE PLANS. CADA UNO DE ESTOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO Y CÓDIGOS DE CONSTRUCCIÓN VIGENTE DE LAS AGENCIAS, JUNTAS, DEPARTAMENTOS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN SOBRE LA OBRA. EACH AND EVERY ONE OF THESE PLANS AND SPECIFICATIONS COMPLIES WITH THE APPLICABLE REGULATIONS AND CONSTRUCTION CODES IN FORCE OF THE AGENCIES, BOARDS, DEPARTMENTS OR PUBLIC CORPORATIONS WITH JURISDICTION OVER THE WORK. FIRMA / SIGNATURE: FECHA / DATE: 12/20/2024

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STUDIO

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s t u d i o

landscape . architecture . product

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Carolina, PR. 00979 - Office Tel. +1 (787) 236-0630
e-mail: info@formationstudio.com

PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

DWG. TITLE

Symbols, Legend, Abbreviations & Acronyms

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT #	PROJECT PHASE
22-02	Construction Docs - 100%

SHEET #	DRAWN BY	DATE
2	krs/jmb	25.vi.2024

DISCIPLINE

L-001

BID SET January 10, 2025

General Notes

1.0 THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS ARE REQUIRED TO CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AT SITE AND NOTIFY, THE PROJECT ARCHITECT OR CONSTRUCTION REPRESENTATIVE OF ANY AND ALL DISCREPANCIES AND LIST ANY WORK NOT YET COMPLETED BEFORE STARTING WORK.

2.0 ALL WORK ON THIS PROJECT SHALL BE IN ACCORDANCE WITH ALL CODES, SUB-CODES AND BUILDING DEPARTMENTS HAVING JURISDICTION. GENERAL CONTRACTOR TO CONTACT LOCAL BUILDING OFFICIALS FOR SPECIFIC REQUIREMENTS FOR THIS PROJECT.

3.0 THE GENERAL CONTRACTOR AND THE SUBCONTRACTORS FOR THE GENERAL CONTRACTOR SHALL PAY FOR AND OBTAIN ALL PERMITS REQUIRED FOR THE WORK NOTED ON THESE PLANS AND SPECIFICATIONS.

4.0 BOTH THE OWNER'S GENERAL CONTRACTORS AND ALL SUBCONTRACTORS WORKING ON THIS PROJECT ARE RESPONSIBLE FOR CONTACTING THE PUBLIC UTILITY COMPANIES SUPPLYING UTILITIES TO THE AREA WHERE THE PROJECT IS LOCATED. IN ORDER TO VERIFY LOCATIONS OF UTILITIES, UNDERGROUND OR OVERHEAD, AND SECURE THE PROPER PROCEDURES WHILE WORKING ADJACENT TO, ABOVE OR NEAR SUCH UTILITIES TO AVOID ANY PROBLEMS WITH EXPLOSIONS, DISCONNECTIONS, REMOVALS, ETC.

5.0 THE GENERAL CONTRACTOR SHALL LAY OUT WORK AS SPECIFIED IN THE DRAWINGS AND SHALL BE HELD RESPONSIBLE FOR PROPER ESTABLISHMENT AND MAINTENANCE OF ALL LINES AND DIMENSIONS, BEFORE DOING ANY WORK. THIS GENERAL CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS AT THE SITE AND NOTIFY THE ARCHITECT, THE OWNER AND THE OWNER'S CONSTRUCTION REPRESENTATIVE OF ANY DISCREPANCIES VERBALLY AND THEN IN WRITING.

6.0 ALL CONTRACTORS SHALL BE BONDABLE, LICENSED CONTRACTORS POSSESSING GOOD LABOR RELATIONS AND MUST BE CAPABLE OF QUALITY WORKMANSHIP, IN HARMONY WITH OTHER CONTRACTORS WORKING ON THE PROJECT, THE OWNER TO BE NOTIFIED OF THE NAMES OF ALL POTENTIAL SUBCONTRACTORS PRIOR TO AWARDING BIDS.

7.0 PRIOR TO COMMENCEMENT OF ANY WORK, THE GENERAL CONTRACTOR SHALL CONTACT AND MEET WITH OWNER AND PROJECT MANAGEMENT REPRESENTATIVE FOR A PRE-CONSTRUCTION MEETING, AT WHICH TIME THE GENERAL CONTRACTOR WILL PRESENT TO ALL PARTIES A LIST OF NAMES, ADDRESSES, BUSINESS AND HOME TELEPHONE NUMBERS OF THE SUBCONTRACTORS FOR THIS PROJECT.

8.0 THE GENERAL CONTRACTOR, ALL SUBCONTRACTORS OR OUTSIDE SERVICES COMPLETING WORK ON THIS PROJECT SHALL COMPLY WITH ALL THE PROVISIONS OF O.S.H.A. (OCCUPATIONAL SAFETY AND HEALTH ACT).

9.0 THE GENERAL CONTRACTOR SHALL HAVE AT ALL TIMES, AT THE PREMISES, APPROVED WORKING DRAWINGS (IF APPLICABLE) AND BUILDING DEPARTMENT APPROVED PERMIT DRAWINGS.

10.0 ALL CLEARANCES OF PIPES AND DUCT WORK INSTALLED BY THE GENERAL CONTRACTOR OR SUBCONTRACTORS MUST BE MAINTAINED FOR ADEQUATE HEIGHTS REQUIRED FOR CEILING SYSTEM AND LIGHT FIXTURES.

11.0 THE CONTRACTORS AND SUBCONTRACTORS PARTICIPATING IN THE PERFORMANCE OF WORK SHALL REMOVE AND DISPOSE OF, AT LEAST ONCE A WEEK AND MORE FREQUENTLY AS MAY DIRECT, ALL DEBRIS AND RUBBISH CAUSED BY OR RESULTING FROM THE PERFORMANCE OF WORK AND, UPON COMPLETION THEREOF, REMOVE ALL TEMPORARY STRUCTURES, SURPLUS MATERIALS, DEBRIS AND RUBBISH OF EVERY KIND STEMMING IN THE WORK AREA WHICH HAD BEEN BROUGHT IN OR CREATED BY THE CONTRACTOR AND SUBCONTRACTORS IN THE PERFORMANCE OF WORK. THIS CONTRACTOR MUST MAINTAIN A CLEAR PATH OF EGRESS FROM THE SITE FREE FROM TRASH AND RUBBISH AT ALL TIMES. ALL REMOVAL OF CONSTRUCTION DEBRIS TO AN APPROVED DUMPING SITE TO BE INCLUDED IN THE GENERAL CONTRACTOR'S WORK.

12.0 ALL FINISH AND EXPOSED WOOD SHALL RECEIVE A FIRE RETARDANT COATING OR TREATMENT IF REQUIRED BY CODE OR THE LOCAL FIRE MARSHALL. NO WOOD OR COMBUSTIBLE MATERIAL SHALL BE USED ABOVE THE SUSPENDED CEILING UNLESS NON-COMBUSTIBLE LUMBER IS USED AND IS SPECIFICALLY ALLOWED BY U.B.C, LOCAL BUILDING CODES, THE FIRE MARSHALL AND ALL AGENCIES HAVING JURISDICTION. IF FIRE TREATED WOOD IS REQUIRED FOR FIXTURING ITEMS, THE GENERAL CONTRACTOR IS RESPONSIBLE FOR EXECUTING THIS WORK AS PER BUILDING OFFICIALS' REQUIREMENTS. THE WOOD MUST BEAR THE U.L. APPROVAL AND MILL STAMP INDICATING IT WAS PROPERLY TREATED.

13.0 ALL EQUIPMENT, MILLWORK AND FIXTURES SUPPLIED BY OWNER TO BE UNLOADED, ASSEMBLED AND INSTALLED BY THE GENERAL CONTRACTOR UNLESS OTHERWISE DIRECTED BY THE REPRESENTATIVE.

14.0 ANY SUBSTITUTIONS OF FINISH MATERIALS MUST BE APPROVED BY THE ARCHITECT IN WRITING. GENERAL CONTRACTOR IS RESPONSIBLE FOR SUBMITTING TWO (2) SAMPLES OF EACH SUBSTITUTION.

15.0 EACH CONTRACTOR AND SUBCONTRACTOR PERFORMING WORK SHALL MAINTAIN CONTINUOUS PROTECTION OF ADJACENT PREMISES IN SUCH MANNER AS TO PREVENT ANY DAMAGE TO ADJACENT PROPERTY AND IMPROVEMENTS BY REASON OF THE PERFORMANCE OF WORK. EACH CONTRACTOR AND SUBCONTRACTOR SHALL PROPERLY PROTECT WORK WITH LIGHTS, GUARD RAILS, AND BARRICADES AND SECURE ALL PARTS THEREOF AGAINST STORM AND ACCIDENT.

16.0 WHEN BIDDING THIS PROJECT, EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE PRIOR TO BIDDING AND VERIFYING EXISTING CONDITIONS AS REFLECTED IN THESE CONTRACT DOCUMENTS. ANY EXTRA WORK REQUIRED BUT NOT INCLUDED IN THE DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY.

17.0 GENERAL CONTRACTORS AND ALL SUBCONTRACTORS ARE REQUIRED TO FURNISH THE MINIMUM COVERAGE AND LIMITS OF LIABILITY DESCRIBED ON THE CONTRACT DOCUMENTS.

18.0 GENERAL CONTRACTORS ARE REQUIRED TO FAMILIARIZE ALL PERSONS AND SUBCONTRACTORS WORKING ON THIS PROJECT WITH THESE GENERAL NOTES AND THE CONTRACT DOCUMENTS NOTED IN THESE DRAWINGS. GENERAL CONTRACTORS SHALL BE RESPONSIBLE FOR FULLY ACQUAINTING THEMSELVES WITH THE CONTENT AND SCOPE OF THESE SPECIFICATIONS, AND SPECIAL ATTENTION SHOULD BE GIVEN THE SPECIFICATIONS THROUGHOUT THE SPAN OF THIS PROJECT BY THESE GENERAL CONTRACTORS, SUPERVISORS AND SUBCONTRACTORS, AS THE STANDARD ESTABLISHED HEREIN SHALL BE APPLIED, WITH EMPHASIS TO ALL WORK. WORK DECLARED UNACCEPTABLE BY THE OWNER/ARCHITECT SHALL BE CORRECTED IN A MANNER AND TO A DEGREE OF QUALITY AS ACCEPTABLE BY THE OWNER.

19.0 THE GENERAL CONDITIONS OF THE "CONTRACT FOR CONSTRUCTION" DOCUMENT A-201, ISSUED BY THE AMERICAN INSTITUTE OF ARCHITECTS, 1981 EDITION, RELATES TO THE WORK OF THIS PROJECT AND IS HEREBY MADE A PART OF THESE DRAWINGS AS THOUGH FULLY CONTAINED IN THESE DRAWINGS. THE GENERAL CONTRACTORS AND ALL SUBCONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY NUMBER OF COPIES OF DOCUMENT A-201, TO ACQUAINT HIMSELF WITH THE ARTICLES CONTAINED THEREIN AND TO REVIEW WITH ALL SUBCONTRACTORS, SUPPLIERS AND ANY OTHER PARTIES TO THE CONTRACT OR INDIVIDUALS OR AGENCIES ENGAGED ON THE WORK AS TO ITS CONTENTS.

20.0 ONLY THE CLIENT'S REPRESENTATIVE, WITHOUT INVALIDATING THE CONTRACT, MAY ORDER EXTRA WORK, ALTER, ADD TO, OR DEDUCT FROM THE CONTRACT WORK. THE CONTRACT SUM SHALL BE ADJUSTED ACCORDINGLY, AND SUCH COSTS SHALL BE COMPETITIVE WITH LOCAL CONSTRUCTION COSTS.

21.0 AT THE TIME OF FINAL SUBMITTAL FOR ALL COSTS BY THE GENERAL CONTRACTOR TO THE OWNER, INCLUDING BASE BID, EXTRAS AND CREDITS, THE OWNER'S GENERAL CONTRACTOR'S SUBCONTRACTORS SHALL FURNISH TO THE OWNER A WRITTEN GUARANTEE STIPULATING THAT, AT NO ADDITIONAL COST TO THE OWNER CONTRACTOR, ANY DEFECTIVE WORK OR MATERIALS SHALL BE REPAIRED OR REPLACED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE OF WORK, UNLESS OTHERWISE NOTED.

22.0 NO EXTRAS FOR COSTS CAN BE AUTHORIZED UNLESS APPROVED IN WRITING BY THE ARCHITECT OR THE OWNER'S CONSTRUCTION REPRESENTATIVE. ANY ISSUES OF CREDITS TO BE CALCULATED BASED ON COMPETITIVE RATES AND EQUIPMENT'S COSTS APPROVED BY THE ARCHITECT.

23.0 FOR CLARIFICATION PURPOSES, CLIENT AND OWNER ARE THE SAME PARTY, GENERAL CONTRACTOR WILL BE REQUIRED TO HANDLE ALL WORK IN THESE DOCUMENTS UNLESS SPECIFICALLY NOTED OTHERWISE.

24.0 THE CONTRACTORS ARE REQUIRED TO HAVE ALL SUBCONTRACTORS REVIEW THESE ABOVE NOTES PRIOR TO BIDDING AND TO FOLLOW-UP AND EXECUTE AS WRITTEN.

25.0 THE DESIGN CONCEPT LEAVES ZERO OR MINIMAL CLEARANCE FOR ERROR IN REGARD TO LAYOUT. "HOLD DIMENSION" INDICATIONS ARE TO BE ADHERED TO AND THE CONTRACTOR IS TOTALLY RESPONSIBLE FOR ERROR OR OMISSION. ANY QUESTIONS RELATING TO DIMENSIONING ARE TO BE ADDRESSED TO THE ARCHITECT ONLY.

26.0 ALL PAYMENTS MADE TO THE GENERAL CONTRACTOR FOR THIS PROJECT ARE TO BE ALLOCATED FOR THIS PROJECT ONLY. FOR PAYMENTS TO SUBCONTRACTORS, MATERIAL SUPPLIERS AND AGENTS AUTHORIZED BY THE SPECIFIC CONTRACTOR TO PERFORM WORK OR SUPPLY MATERIALS TO THIS PROJECT ONLY. THE GENERAL CONTRACTORS ARE REQUIRED TO SUBMIT PARTIAL WAIVERS OF LIENS FOR THEIR WORK AS WELL AS SUBCONTRACTORS OR MATERIAL SUPPLIERS, UPON THE REQUEST OF THE CLIENT OR THE CLIENT'S ARCHITECT AND THE REQUEST FOR THE FINAL 10% RETENTION ON THIS PROJECT MUST INCLUDE SIGNED AND EXECUTED WAIVERS OF LIEN INDICATING 100% COMPLETION AND 100% PAYMENT IN FULL, BY ALL SUBCONTRACTORS AND MATERIAL SUPPLIERS.

27.0 ALL EXITS SHALL BE UNOBSTRUCTED AT ALL TIMES, DURING CONSTRUCTION AND OCCUPANCY.

28.0 THE GENERAL CONTRACTOR, AT THE POINT OF "SUBSTANTIAL COMPLETION" AND "TURNOVER" MUST COMPLETE, AT GENERAL CONTRACTOR'S COST AND EXPENSE (FINAL PAYMENT CANNOT BE REQUESTED UNLESS ALL OF THIS WORK NOTED IS COMPLETED):
A) FINAL INSPECTIONS BY ALL BODIES HAVING JURISDICTION NECESSARY FOR FINAL COMPLETION, CERTIFICATE OF OCCUPANCY OR COMPLETION, WHICHEVER IS APPLICABLE.
B) FINALIZE ALL PUNCH LISTS AND/OR REQUIREMENTS, TO THE SATISFACTION OF BOTH THE ARCHITECT AND THE OWNER
C) FINALIZE CHANGES ON PLANS AND SPECIFICATIONS AND MARK ALL APPROVED BUILDINGS DEPARTMENT, FIRE MARSHALL AND OWNER CHANGES ON A SET OF COPIES FOR BOTH OWNER ARCHITECT AND FORWARD SUCH INFORMATION TO BOTH PARTIES VIA COURIER. MARKUPS SHALL BE COMPLETED USING A CLOUD PROCEDURE WITH A MAGIC MARKER TO EASILY DISTINGUISH CHANGES FROM ORIGINAL WORK.

29.0 IF THE OWNER OR ARCHITECT DO NOT MAKE REPEATED SITE VISITS CONTINUALLY OR AT ALL, THE GENERAL CONTRACTOR IS NOT RELIEVED OF ANY RESPONSIBILITY OR DUTIES INVOLVED IN THIS CONSTRUCTION WORK.

30.0 THE CONSTRUCTION DRAWINGS LISTED ON THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED BASED ON THE BEST INFORMATION AVAILABLE DURING PREPARATION OF PLANS, IN THE EVENT THAT PROBLEMS ARISE DURING THE COURSE OF THE PROJECT, DUE TO UNKNOWN SITE CONDITIONS OR CODE AND REQUIREMENTS (IF ANY) THAT CONFLICT WITH DRAWINGS, THE GENERAL CONTRACTOR SHALL INFORM THE ARCHITECT IMMEDIATELY.

31.0 THE PROPER RECEIPT OF ALL NEW MATERIALS AND EQUIPMENT AT THE JOB SITE IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR, AND/OR HIS/HER SUBCONTRACTORS (IF ANY). SECURE AND SAFE STORAGE OF ALL NEW AND EXISTING MATERIALS AND EQUIPMENT TO REMAIN (IF ANY) WILL BE PROVIDED BY THE GENERAL CONTRACTOR. GENERAL CONTRACTOR TO IMMEDIATELY ADVISE CONSTRUCTION DEPT. OF ALL DAMAGED OR DEFICIENT SHIPMENTS OF MATERIALS AND EQUIPMENT, WHETHER SUPPLIED BY TENANT OR DIRECTLY BY CONTRACTOR OR HIS/HER SUPPLIERS. GENERAL CONTRACTOR TO COMPLETE AND SUBMIT ALL NECESSARY PAPERWORK AND ARRANGE INSPECTIONS OF DAMAGED GOODS AS PER TENANT CONSTRUCTION DEPT. REQUIREMENTS.

32.0 THE GENERAL CONTRACTOR IS REQUIRED TO ADHERE TO ALL NEW REQUIREMENTS, STATED OR NOT ON THESE PLANS AND SPECIFICATIONS, FOR THE LATEST A.D.A. (AS EFFECTIVE JANUARY 26, 1992. THIS LAW IS A CIVIL RIGHTS LAW AND THE EXCLUSION OF REQUIREMENTS BY THE LOCAL CODE OFFICIALS DOES NOT RELIEVE THE TENANT OR THE TENANT'S CONTRACTOR OF ADHERING TO THE NECESSARY WORK, EITHER DURING CONSTRUCTION OR AFTER OCCUPANCY.

33.0 QUALITY STANDARDS: ALL SUCH WORK SHALL BE PERFORMED IN A FIRST-CLASS WORKMANLIKE MANNER AND SHALL BE IN GOOD AND USABLE CONDITION AT THE DATE OF COMPLETION THEREOF. GENERAL CONTRACTOR SHALL ALSO REQUIRE ANY SUCH PERSON TO BE RESPONSIBLE FOR THE REPLACEMENT OR REPAIR WITHOUT ADDITIONAL CHARGE, OF ANY AND ALL WORK DONE OR FURNISHED BY OR THROUGH SUCH PERSON, WHICH SHALL BECOME DEFECTIVE WITHIN ONE (1) YEAR AFTER SUBSTANTIAL COMPLETION OF THE WORK, AS A RESULT OF FAULTY WORKMANSHIP OR MATERIALS, WHICH MAY BE DAMAGED OR DISTURBED THEREBY. ALL WARRANTIES OR GUARANTEES AS TO MATERIALS OR WORKMANSHIP ON OR WITH RESPECT TO OWNER'S WORK SHALL BE CONTAINED IN THE CONTRACT OR SUBCONTRACT WHICH SHALL INURE TO THE BENEFIT OF OWNER, AND CAN BE DIRECTLY ENFORCED BY HIM/HER. GENERAL CONTRACTOR TO HAVE THIS CLAUSE IN EVERY SUBCONTRACTOR AGREEMENT FOR THE PROJECT AND IF SUCH CLAUSE IS NOT INCLUDED, IT WILL NOT RELIEVE THE GENERAL CONTRACTOR OF THE REQUIREMENTS OR WORK STATED HEREIN.

34.0 THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND HAVE CONTROL OVER CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT, UNLESS CONTRACT DOCUMENTS GIVE OTHER SPECIFIC INSTRUCTIONS CONCERNING THESE MATTERS. SEE AIA DOCUMENT A201 GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRICTION, ARTICLE 3, SECTION 3.3.1 (1987 EDITION)

35.0 THE ARCHITECT SHALL NOT HAVE CONTROL OVER OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, SINCE THESE ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY UNDER THE CONTRACT FOR CONSTRUCTION.

36.0 THE GENERAL CONTRACTOR AND/OR HIS/HER SUBCONTRACTOR IS TO COMPLETE ALL FINISHES AS PER PLANS AND SPECIFICATIONS, THE FINISHES NOTED MAY FOR VARIOUS REASONS BE CHANGED BASED ON AVAILABILITY AND/OR APPROVAL OF DIFFERENT MANUFACTURES AND/OR HIS/HER SUBCONTRACTOR WILL BE REQUIRED TO ADHERE TO THE EXACT SPECIFICATION ON DRAWINGS, BASED ON THE TYPE OF SUBSTRATE AND/OR THE SUBSTRATE PREPARATION, AND CORRECT APPLICATION AND/OR NECESSARY WORK FOR PROPER ADHESION AND/OR EXPANSION/CONTRACTION OF THE FINISH MATERIAL OR SUCH SUBSTRATE.

37.0 IF THERE IS A DISCREPANCY BETWEEN A SMALLER DETAIL OR PLAN REGARDING INFORMATION, SIZING, MEASURING, ETC., AND A LARGER DETAIL OR PLAN, THE GENERAL CONTRACTOR AND/OR THE SUBCONTRACTOR WORKING ON THE DETAIL/PLAN IS TO CONTACT THE ARCHITECT OR THE ARCHITECT'S REPRESENTATIVE PRIOR TO STARTING THAT PARTICULAR WORK.

38.0 THE CONSTRUCTION DOCUMENTS (DRAWINGS, SPECIFICATIONS, CONDITIONS, ETC.) REFER TO EXISTING CONDITIONS AT THE SITE AT THE TIME THE DOCUMENT'S PRODUCTION COMMENCED. THE ARCHITECTS ARE NOT RESPONSIBLE FOR ANY ADDITIONAL DESIGN WORK RELATED TO DAMAGE, ALTERATIONS, OR CONSTRUCTION WORK PERFORMED ON SITE AFTER MENTIONED DATE.

39.0 WORDS "SUPPLY", "INSTALL", "PROVIDE", "REPLACE", ETC. REFER TO NEW MATERIALS TO BE SUPPLIED AND INSTALLED BY THE CONTRACTOR AS PART OF THE CONSTRUCTION CONTRACT, UNLESS SPECIFIED OTHERWISE ON INSTALLATION DETAILS WHERE NOT ALL MATERIALS OR PROCEDURES ARE SPECIFIED, THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PARTS AND SHALL CARRY ON ALL STANDARD GOOD CONSTRUCTION PRACTICE METHODS.

40.0 ALL METAL, CONCRETE, CONCRETE COMPOSITE, GYPSUM BOARD, MASONRY, WOOD AND OTHER MATERIAL INTERIOR AND EXTERIOR SURFACES, EITHER NEW OR EXISTING, EXCLUDING DOOR AND WINDOW HARDWARE, ACOUSTIC CEILINGS, FLOOR FINISHES, CERAMIC TILES AND GLASS SURFACES, SHALL BE PAINTED ACCORDING TO PAINT SPECIFICATIONS. THIS INCLUDES ALL CEILINGS, WALLS, RAILINGS, HANDRAILS, PARAPETS, GATES, FIXED GRILLES, DOORS, DOOR FRAMES, WINDOWS, ETC. CLEAN AND PREPARE ALL SURFACES AS PER PAINT SPECIFICATIONS BEFORE APPLYING NEW PAINT, THE ARCHITECT SHALL SUBMIT THE COLOR SCHEMES.

41.0 ACCESS TO THE PROJECT SHALL BE COORDINATED WITH OWNER BEFORE CONSTRUCTION COMMENCEMENT. CONSTRUCTION SITE ACCESS SHALL BE CONTROLLED BY THE CONTRACTOR AND ALL HIS EMPLOYEES SHALL BE DULY IDENTIFIED.

42.0 THE CONTRACTOR SHALL MAINTAIN A GRAPHIC AND WRITTEN RECORD OF ALL CHANGES IN THE DRAWINGS TO SUBMIT TO THE OWNER AT THE END OF THE CONSTRUCTION.

43.0 THE ARCHITECT HAS THE PREROGATIVE OF CHARGING A FEE OF $125.00 PER HOUR FOR THE REVISION OF SUBSTITUTIONS PRESENTED BY THE CONTRACTOR DURING THE BID OR CONSTRUCTION PERIODS.

44.0 THE CONTRACTOR SHALL TAKE INTO ACCOUNT ALL PRECAUTIONS NOT TO DAMAGE EXISTING TREES AND/OR PLANTS TO REMAIN.

45.0 ALL ARCHITECTURAL, ELECTRICAL, MECHANICAL, PLUMBING, AIR CONDITIONING AND STRUCTURAL EQUIPMENT AND/OR INSTALLATION DETAIL SHALL BE INCLUDED IN THE BASE BID EVEN THOUGH THEY ONLY APPEARS ON ARCHITECTURAL DRAWINGS (AND NOT ON ELECTRICAL, STRUCTURAL, MECHANICAL OR CIVIL DRAWINGS) OR ON ELECTRICAL, STRUCTURAL, MECHANICAL OR CIVIL DRAWINGS (AND NOT ON ARCHITECTURAL DRAWINGS), THE CONTRACTOR SHALL VERIFY THE DRAWINGS BEFORE SUBDIVIDING THE DRAWING SETS FOR SUBCONTRACTOR QUOTATIONS.

46.0 THE CONTRACTOR SHALL INSTALL SIGNS FOR THE HANDICAPPED ON WALLS NEXT TO RAMPS, COMPLYING WITH THE ADA CODE. SUBMIT SAMPLE FOR THE ARCHITECT'S APPROVAL.

47.0 ALL MATERIAL SPECIFIED MUST BE INSTALLED OR APPLIED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.

48.0 THE CONSTRUCTOR MUST SUBMIT FINISH SAMPLES FOR THE ARCHITECT'S APPROVAL.

49.0 ALL CONCRETE, CONCRETE BLOCK WALLS & CEILINGS TO BE PLASTERED, UNLESS OTHERWISE NOTED.

50.0 THIS IS A PUBLIC BID THEREFORE WHENEVER AND WHEREVER ON THIS PLANS REFERENCE IS MADE TO A SPECIFIC PRODUCT BRAND OR SUPPLIER THE GENERAL CONTRACTOR SHALL UNDERSTAND THAT AN EQUAL OR SIMILAR MATERIAL OR COMPONENT CAN BE SUBMITTED FOR EVALUATION AND POSSIBLE APPROVAL OR DISAPPROVAL OF THE ARCHITECT.

51.0 CONSTRUCTION TIME & REQUIREMENT FOR THIS PROJECT REFER TO CONTRACT DOCUMENTS.

52.0 CONTRACTOR SHALL VISIT THE SITE AND INSPECT THE STREETS, SIDEWALKS AND BUILDING AREAS TO FAMILIARIZE WITH THE EXTENT OF EXISTING ELEMENTS TO BE DEMOLISHED AND REMOVED. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND DISPOSING ALL DEMOLISHED MATERIALS AND EQUIPMENT AWAY FROM THE SITE AT NO COST TO THE OWNER.

53.0 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO ACTUAL CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES, ERRORS OR OMISSIONS, SO THAT PROPER CORRECTIONS ARE MADE. ALL CHANGES AND REVISIONS TO THE EXTENT OF WORK WILL BE AT NO EXTRA COST TO THE OWNER.

54.0 THE CONTRACTOR SHALL COORDINATE OR VERIFY THE LOCATION OF EXISTING UTILITIES, SUCH AS TELEPHONE, ELECTRICAL CONDUITS, SANITARY, WATER AND STORM SEWER LINES. PRIOR TO PROCEED WITH ANY EXCAVATION OR CONSTRUCTION, IN CASE OF INTERFERENCE WITH EXISTING CONDITION, THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER AT NO COST TO THE OWNER.

55.0 THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONNECTIONS TO EXISTING UTILITIES, SUCH US TELEPHONE, ELECTRICAL CONDUITS, SANITARY, WATER AND STORM SEWER LINES WITH NO EXPOSED ENDS, UNLESS OTHERWISE NOTED.

56.0 ALL DETAILS, SECTIONS AND NOTES SHOWN ON DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE UNLESS OTHERWISE NOTED.

57.0 PROVISIONS FOR DETAIL, NOT SPECIFICALLY DRAWN, SHALL BE MADE BY THE CONTRACTOR IN ACCORDANCE WITH ACI 318 BUILDING CODE AND/OR CLARIFIED WITH THE DESIGNER.

58.0 ALL DETAILING AND CONSTRUCTION TO BE MADE IN ACCORDANCE WITH MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE" (ACT 315), "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACT 318) AND ALL OTHER AMERICAN CONCRETE INSTITUTE STANDARDS AND RECOMMENDATIONS FOR ACCEPTABLE PRACTICES.

59.0 IN CASE OF DOUBT IN THE INTERPRETATION OF ALL ASPECT IN THE CONSTRUCTION DRAWINGS AND/OR SPECIFICATIONS, THE DESIGNER SHALL BE CONSULTED.

60.0 THE CONTRACTOR SHALL REPAIR, CLEAN, AND RESTORED TO FINISHED GRADE, AS REQUIRED ALL CURBS, SIDEWALKS AND AREAS AFFECTED DURING THE CONSTRUCTION OPERATION, DUE TO THE MOVEMENT OF HEAVY EQUIPMENT OR THE TEMPORARY STOCKING OF CONSTRUCTION MATERIALS, AT NO ADDITIONAL COST TO THE OWNER, IN ORDER TO MINIMIZE DAMAGE. THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER AND LIMIT TO A MINIMUM THE USE OF AREAS FOR SITE MOVEMENT AND STORAGE OF MATERIALS AND EQUIPMENT.

61.0 CONTRACTOR SHALL REMOVE FROM THIS SITE SCRAP MATERIAL OR ANY OTHER ELEMENT DISCARDED WITHIN THE PROJECT. THIS MAY REQUIRE INSPECTION, HANDLING AND/OR DISPOSAL AT CONTRACTOR OWN EXPENSE.

62.0 THE CONTRACTOR IS ADVISED TO INSPECT THE SITE PRIOR TO HIS BIDDING TO ASCERTAIN THE EXTENT OF WORK REQUIRED IN THE DEMOLITION AND REMOVAL OF EXISTING STRUCTURES AND/OR ELEMENTS.

63.0 DURING DEMOLITION AND CONSTRUCTION WORK, INCLUDING EXCAVATIONS, CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL DAMAGE TO ALL EXISTING UNDERGROUND UTILITIES, SUCH AS: SANITARY, WATER AND STORM SYSTEMS BUILDING CONNECTIONS, AND UNDERGROUND ELECTRICAL FACILITIES, ANY DAMAGE SHALL BE REPAIRED BY THE CONTRACTOR WITHIN 12 HOURS OF ITS OCCURRENCE AT NO COST TO THE OWNER.

64.0 WHERE REQUIRED, CONCRETE WATER VALVE BOXES, CATCH BASINS, AND MANHOLES SHALL BE RAISED OR LOWERED TO MATCH PROPOSED GRADING AND PROVIDED NEW COVER, STANDARD GRATING, OR STANDARD MANHOLE COVER, MANHOLES OR VALVE BOXES HIGHER THAN THE PROPOSED GRADING MAY REMAIN UNALTERED IF DRAINAGE IS NOT IMPAIRED.

65.0 CONSTRUCT WHEEL CHAIR RAMPS AT CORNER WHERE SIDEWALK IS REPLACED OR NEW SIDEWALK INSTALLED.

65.0 THE MAXIMUM CONTROL JOINT SPACING AT CURB AND SIDEWALK IS 3 METERS, JOINT MUST BE 0.003 METERS WIDE.

67.0 FORMS SHALL BE OF METAL AND SHALL EXTEND FOR THE FULL DEPTH OF THE CONCRETE. WOODEN FORMS MAY BE USED, WHEN AUTHORIZED BY THE ENGINEER, ON SHORT RADIUS CURVES SUCH AS AT STREET INTERSECTIONS AND AT SUCH OTHER LOCATIONS FOR WHICH CURVED METAL FORMS MAY NOT BE AVAILABLE. ALL FORMS SHALL BE FREE FROM WARP AND OF SUFFICIENT STRENGTH TO RESIST THE PRESSURE OF THE CONCRETE WITHOUT DISPLACEMENT. BRACING AND STAKING OF FORMS SHALL BE SUCH THAT THE FORMS OF REMAIN IN BOTH HORIZONTAL AND VERTICAL ALIGNMENT UNTIL THEIR REMOVAL. ALL FORMS SHALL BE CLEANED AND COATED WITH AN APPROVED FORM RELEASE AGENT OR FORM OIL BEFORE CONCRETE IS PLACED. DIVIDER PLATES SHALL BE OF METAL. FORMS SHALL CONFORM TO THE SPECIFIED RADIUS WHEN PLACED ON CURVES.

68.0 WHERE EXISTING SIDEWALK IS BEING RECONSTRUCTED AND WHERE NEW SIDEWALK IS BEING BUILT ALONG LOCAL ROADS, THE CONTRACTOR SHALL INSTALL CURB AND GUTTER TYPE AS SPECIFIED AND AS SHOWN IN PLANS.

69.0 SAW CUT SHALL BE MADE AT THE BOUNDARIES OF EXISTING ASPHALT OR CONCRETE PAVEMENT AND A NEW OR EXISTING SIDEWALK TO BE RECONSTRUCTED AT LEAST 2 INCHES DEEP.

Notes:

1.0 Do not scale dimensions from drawings, Dimensions govern.

2.0 All dimensions are in feet and inches, unless noted otherwise.

3.0 The contractor shall check all dimensions, levels and angles on site prior to commencing any work.

4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.

5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS		
NO. #	DATE	ISSUING REASON
1	-	-

PROFESSIONAL SEAL

julián manríquez botello lic. puerto rico

LIC: MRX DCCC III
EXP: 18.X.2025

IDENTIFICATION - CERTIFICATE / FIRM NAME

YO, JULIÁN MANRÍQUEZ BOTELLO, LICENCIA 19802, CERTIFICO QUE DE LA INFORMACIÓN QUE DIGERE CONTENIDO Y PREPARO ESTOS PLANOS CERTIFICO QUE ESTOS PLANOS CUMPLEN CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS VIGENTES DE LAS AGENCIAS RACIONES PÚBLICAS CON JURISDICCIÓN SOBRE ESTOS PLANOS Y QUE ESTOS PLANOS Y ESPECIFICACIONES CUMPLIDO CON LA NORMATIVA VIGENTE EN MATERIA DE ENERGÍA. CONOCEN BAJO JURAMENTO POR LA PRESENTE LA LEY VIGENTE EN DELITO DE PERJURIO. RECONOCEN QUE CUALQUIER ALTERACIÓN A ESTOS PLANOS SIN EL CONSENTIMIENTO POR ESCRITO DEL PROFESIONAL O POR OTRAS PERSONAS QUE NO SEAN YO, NO SHALL ASUMIRÉ NINGUNA RESPONSABILIDAD POR ESTAS ALTERACIONES.

ESTUDIO

h.formation studio

landscape . architecture . product

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PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

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CONSULTANT

SHEET TITLE

General Notes

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT #	PROJECT PHASE
22-02	Construction Docs - 100%
SHEET #	DRAWN BY / DATE
3	krs/jmb 25.vi.2024

SHEET DESCRIPTION

GN-1.0

BID SET January 10, 2025

General Demolition Notes

ALL INFECTION CONTROL CRITERIA AS SPECIFIED IN SECTION 01 00 00 - GENERAL REQUIREMENTS - SHALL BE ADHERED TO DURING ALL PHASES OF THE PROJECT.

1. THE DEMOLITION DRAWINGS FOR ARCHITECTURAL AND ENGINEERING WORK HAVE BEEN PREPARED USING "MEASURED DRAWINGS/AS-DESIGNED" DOCUMENTS PROVIDED BY THE OWNER. NEITHER THE OWNER NOR THE ARCHITECT WARRANT THESE TO BE "AS-BUILT" DOCUMENTS, AND ACTUAL CONDITIONS MAY VARY. THE DEMOLITION WORK INDICATED IS INTENDED TO SHOW THE GENERAL SCOPE OF THE DEMOLITION WORK AND IN NO WAY RELIEVES THE CONTRACTOR FROM PERFORMING ANY AND ALL DEMOLITION REQUIRED TO COMPLETE THE NEW WORK.
2. DEMOLITION NOTES INDICATED ON DRAWINGS MAY NOT BE ALL INCLUSIVE. REMOVE ALL ITEMS REQUIRED FOR RECONSTRUCTION ACTIVITIES.
3. VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK. BRING ANY DISCREPANCIES FROM THE DRAWINGS AND NOTES TO THE ARCHITECT IMMEDIATELY. MINOR CHANGES IN THE SCOPE OF THE DEMOLITION WORK SHALL NOT JUSTIFY AN ADDITIONAL COST.
4. ALL STRUCTURAL ELEMENTS SHALL BE PROTECTED DURING DEMOLITION & THROUGHOUT CONSTRUCTION.
5. ALL DEMOLISHED MECHANICAL AND ELECTRICAL ITEMS SHALL BE REMOVED INCLUDING MAIN RUNS AND SERVICE LINES TO SOURCE, ALL SYSTEM LINES ARE NOT SHOWN ON CONSTRUCTION DOCUMENTS.
6. ALL WALLS, SUB-STRUCTURAL FRAMES, PARTITIONS, EQUIPMENT, ETC, INDICATED BY DASHED LINES (- - - -) SHALL BE REMOVED. ALL MECHANICAL, ELECTRICAL, PLUMBING AND OTHER SERVICES WHICH ARE CONTAINED IN THE AREA TO BE REMOVED SHALL ALSO BE REMOVED OR REROUTED. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WITH NEW CONSTRUCTION BEFORE STARTING DEMOLITION.
7. AFTER REMOVAL OF EXISTING FLOOR FINISH, CONCRETE FLOOR SHALL BE GROUND SMOOTH AND LEVELED BEFORE INSTALLATION OF NEW FINISH PER ROOM FINISH SCHEDULE. AT DISSIMILAR FLOOR ELEVATIONS, FEATHER SELF-LEVELING UNDER-LAYMENT COMPOUND TO EACH FLOOR ELEVATION AND GRIND SMOOTH. AT DISSIMILAR FLOOR MATERIALS, AND/OR AT JUNCTIONS BETWEEN NEW AND EXISTING FLOORS, PROVIDE APPROPRIATE TRANSITION STRIP.
8. WHERE EXISTING DOORS, DOOR FRAMES, EQUIPMENT, PORTIONS OF WALLS AND PARTITIONS ARE REQUIRED TO BE REMOVED FOR THE COMPLETION OF THE WORK, EXERCISE CAUTION TO AVOID DISRUPTING SURROUNDING MATERIALS. SALVAGE EXISTING MATERIALS AS MUCH AS POSSIBLE FOR REUSE IN PATCHING SURROUNDING FINISHES WHEN APPROVED BY THE OWNER'S REPRESENTATIVE OR INDICATED ON CONSTRUCTION DRAWINGS.
9. WHERE REMOVAL OF EXISTING WALLS, PARTITIONS, EQUIPMENT, ETC, DISRUPTS EXISTING ELECTRICAL, MECHANICAL AND PLUMBING SERVICES, MAKE PERMANENT (OR IF NECESSARY, PROPER TEMPORARY) CONNECTIONS TO RESTORE AFFECTED SERVICES TO ORIGINAL CONDITION IN AREAS NOT SCHEDULED FOR DEMOLITION AND REMODELING.
10. REPAIR ANY DAMAGE TO ITEMS INDICATED TO REMAIN AS A RESULT OF DEMOLITION AND/OR CONSTRUCTION ACTIVITIES. SEE SITE, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
11. ERECT AND MAINTAIN TEMPORARY CONSTRUCTION BARRIERS, COORDINATE LOCATIONS WITH CONSTRUCTION DOCUMENTS, PROJECT PHASING, ARCHITECT AND OWNER'S REPRESENTATIVE.
12. MAINTAIN CLEAR EXIT PATHS DURING DEMOLITION AND CONSTRUCTION ACTIVITIES.
13. UTILITIES/MEDICAL SYSTEM SHUTDOWNS (INCLUDING MEDICAL GASES) SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE, PER THE SPECIFICATIONS.
14. PRIOR TO MOBILIZATION, OR WORK COMMENCEMENT, THE CONTRACTOR SHALL COMMUNICATE IN WRITING THE PRESENCE/ABSENCE OF ASBESTOS OR LEAD IN ANY PART OF THE EXISTING STRUCTURE.
15. THE CONTRACTOR IS RESPONSIBLE FOR ASBESTOS ABATEMENT AND SHALL COORDINATE SUCH ABATEMENT WITH DEMOLITION WORK.
    A. THE OWNER BELIEVES THAT A CERTAIN AMOUNT OF THE EXISTING TILE HAS ASBESTOS-BASED MASTIC.
    B. THE OWNER BELIEVES THAT EXISTING LEAD BASED PAINT MAY BE PRESENT IN HE EXISTING STRUCTURE.
16. ALL DEMOLITION WORK SHALL BE PERFORMED WITH "DUE CARE AND DILIGENCE" SO AS TO PREVENT THE ARBITRARY DESTRUCTION OR INTERRUPTION OF CONCEALED UTILITIES WHICH COULD NOT BE PREDETERMINED UNTIL DEMOLITION WAS STARTED. ALL SUCH DISCOVERIES OF UTILITIES DURING THE DEMOLITION PROCESS WHICH ARE IN A LOCATION DIFFERENT FROM FLOOR TO FLOOR, ETC., OR ARE UNIDENTIFIED, SHALL BE REPORTED TO THE ARCHITECT BEFORE REMOVAL FOR FINAL DISPOSITION.
17. REMOVE PORTIONS OF EXISTING CONSTRUCTION AS DRAWN AND PATCH TO MATCH ADJACENT CONSTRUCTION. PATCH TO MATCH ADJACENT SURFACES OF EXISTING WALLS AND FLOORS IN ALL AREAS REQUIRED DUE TO THE REMOVAL OF MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT OR FIXTURES. NEW WORK SHALL ALIGN WITH AND MATCH EXISTING WORK EXCEPT WHERE OTHERWISE DIMENSIONED OR DETAILED.
18. WHERE DEMOLITION WORK UNCOVERS OR LEAVES OPENINGS IN PARTITIONS OR INCOMPLETE PARTITIONS, EXTEND, RESTORE AND/OR CLOSE OPENING IN PARTITION AS INDICATED AND/OR AS REQUIRED TO MAINTAIN FIRE RATINGS, MATCH EXISTING CONSTRUCTION, U.N.O., WITHIN THE LIMITS AND TOLERANCES FOR MATERIALS AS SPECIFIED OR RECOMMENDED BY THE MANUFACTURER. REFINISH SURFACES TO ALIGN FLUSH WITH EXISTING.
19. WHERE DEMOLITION WORK OR RELOCATION OF EXISTING ITEMS LEAVES UNFINISHED SURFACES AND/OR SUBSTRATES, CUT AND PATCH AS REQUIRED TO RESTORE SUBSTRATE AND/OR FINISH MATERIAL EVEN AND FLUSH WITH ADJOINING SURFACES. TEXTURE AND REFINISH TO MATCH EXISTING UNLESS NOTED OTHERWISE.
20. APPLY SELF-LEVELING COMPOUND TO FLOORING WHERE CMU WALLS ARE DEMOLISHED. GRIND FLOOR PRIOR TO APPLYING SELF-LEVELING COMPOUND IF REQUIRED TO ALLOW FOR LEVEL FLOOR SURFACE.
21. WHERE DEMOLITION OR RELATED WORK LEAVES FLOOR SURFACES WITH IMPERFECTIONS OR NOT LEVEL TO TOLERANCES SPECIFIED FOR NEW WORK, PROVIDE SELF-LEVELING UNDERLAYMENT.
22. REMOVAL OF EXISTING FIXTURES AND EQUIPMENT WILL REQUIRE ISOLATING THE PIPING RISERS OR MAINS VIA SHUT-OFF VALVES. INSTALL NEW ISOLATION VALVES WHERE REQUIRED FOR COMPLETION OF WORK.
23. REMOVAL OF EXISTING PLUMBING FIXTURES AND EQUIPMENT, ETC. WILL REQUIRE CAPPING AND SEALING EXISTING MAINS OR BRANCHES AS NECESSARY AND REQUIRED TO ALLOW THE REMAINING SYSTEMS TO FULLY OPERATE WITHOUT DEGRADATION. CONTRACTOR SHALL PROVIDE PROTECTIVE PLASTIC DROP CLOTHS TO PROTECT THE EXISTING OCCUPIED AREAS AND EQUIPMENT FROM DUST AND DEBRIS DURING THE CONSTRUCTION WORK, AND SHALL CLEAN THE AREAS OF ALL CONSTRUCTION DIRT DAILY, AND UPON COMPLETION OF THE WORK. REFER TO GENERAL CONDITIONS AND DIVISION 1 SECTIONS IN THE SPECIFICATIONS.
24. ALL DRAINED PIPING RISERS AND MAINS SHALL BE REFILLED WITH PROPER FLUID AND PROPERLY VENTED BY THE CONTRACTOR, ONCE NEW WORK HAS BEEN INSTALLED.
25. CEILINGS WHICH ARE IN CONFLICT WITH NEW WORK SHALL BE REMOVED OR RELOCATED ALONG WITH ALL MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS. COORDINATE WITH GENERAL CONTRACTOR THE REMOVAL AND REPLACEMENT OF ALL EXISTING CEILINGS, WALLS, ETC. AS REQUIRED FOR THE SPECIFIC WORK.
26. EXISTING PIPING AND EQUIPMENT, ETC,. NOT TO BE UTILIZED IN THE COMPLETED BUILDING SHALL BE DISCONTINUED OR REMOVED AS REQUIRED. ALL ENDS OF DISCONTINUED PIPING SHALL BE CAPPED IN THE NEAREST WALL, CEILING OR FLOOR SO THAT THEY ARE COMPLETELY CONCEALED. OPENINGS LEFT IN WALLS, CEILINGS, ETC., WHERE EQUIPMENT AND PIPE, ETC., ARE REMOVED AND NOT REPLACED, SHALL BE PATCHED NEATLY WITH SIMILAR MATERIAL TO ADJACENT CONSTRUCTION, REFER TO DRAWINGS DELINEATING NEW WORK FOR ADDITIONAL INFORMATION REGARDING SYSTEMS OR PORTIONS OF SYSTEMS WHERE USE IS TO BE DISCONTINUED.
27. WHEREVER EXISTING EQUIPMENT, PIPING, DUCTS, ETC., ARE REQUIRED TO BE REMOVED, SUCH REMOVAL SHALL INCLUDE ALL ANCHORS, HANGARS, BRACING, FOUNDATION, ETC. AFTER REMOVAL, AFFECTED CONSTRUCTION AND SURFACES, SUCH AS FLOORS ,WALLS, BASES, AND CEILINGS, SHALL BE FINISHED TO MATCH ADJACENT SURFACES UNLESS OTHERWISE NOTED.
28. EXISTING PIPING, FIXTURES AND EQUIPMENT THAT ARE NOT TO BE REUSED SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE OWNER IF THEY WISH TO RETAIN OWNERSHIP OF SAME. IF NOT, EQUIPMENT SHALL BECOME THE PROPERTY OF THIS CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AS SOON AS PRACTICAL AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE LAWS AND REGULATIONS.
29. ALL CUTTING AND CHANNELING OF EXISTING BUILDING SHALL BE ACCOMPLISHED IN A NEAT AND WORKMANLIKE MANNER WITHOUT REMOVAL OF EXCESS MATERIALS. THIS CONTRACTOR SHALL PATCH AND REPLACE WITH MATERIAL SIMILAR TO ADJACENT CONSTRUCTION.
30. WHERE EXISTING PIPING AND EQUIPMENT, ETC,. THAT ARE TO BE UTILIZED IN THE COMPLETED PROGRAM CONFLICT WITH NEW CONSTRUCTION AND THE REQUIRED DEMOLITION, THEY SHALL BE RELOCATED AND RECONNECTED TO MAINTAIN THE DESIRED SERVICE.
31. PORTIONS OF EXISTING SYSTEMS MAY BE SHOWN FOR CLARITY EVEN THOUGH IT MAY NOT BE NECESSARY TO MODIFY OR REVISE THEM. ALL EXISTING SYSTEMS ARE SHOWN BASED ON ORIGINAL OR REMODEL BUILDING DRAWINGS. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS.
32. ALL WORK MUST BE COORDINATED AND SCHEDULED WITH THE OWNER AND OCCUPANTS OF THIS BUILDING SO AS TO PROVIDE THE LEAST AMOUNT OF DISRUPTION OF BUILDING ACTIVITIES AS POSSIBLE.
33. ALL ACCESSIBLE ABANDONED PIPING AND DUCTWORK SHALL BE REMOVED AND PROPERLY DISPOSED OF.
34. CONTRACTOR SHALL REPAIR ALL SURFACES TO LIKE NEW AFTER TEMPORARY WALLS AND DOORS HAVE BEEN REMOVED.

Demolition Keynotes

Accessories/Miscellaneous

- A1 REMOVE AND DISPOSE OF EXISTING TOILET
- A2 REMOVE AND DISPOSE OF EXISTING COUNTERTOP, SHELVING, AND WORKSTATION
- A3 REMOVE AND DISPOSE OF EXISTING CANOPY AND RELATED ITEMS

Ceiling

- C1 REMOVE AND DISPOSE OF EXISTING CEILING SYSTEM.
- C2 REMOVE AND DISPOSE OF EXISTING TRACKS.
- C3 REMOVE AND DISPOSE OF EXISTING LIGHTING FIXTURES.

Doors and Frames

- D1 REMOVE AND DISPOSE OF EXISTING DOOR, FRAME, HARDWARE AND SIDELIGHT.
- D2 REMOVE AND DISPOSE OF EXISTING SLIDING DOOR, FRAME, HARDWARE AND RELATED ITEMS.
- D3 REMOVE AND DISPOSE OF EXISTING BI-FOLDING DOOR, FRAME, HARDWARE AND RELATED ITEMS.
- D4 NOT USED.

Floor

- F1 REMOVE AND DISPOSE OF EXISTING FLOOR COVERING TO SLAB.
- F2 REMOVE AND DISPOSE OF EXISTING CONCRETE WALKWAY/ STOOP.
- F3 REMOVE AND DISPOSE OF EXISTING RECESSED WALK OFF FLOOR MAT AND FLOOR COVERING LEVEL RECESS WITH SELF LEVELING UNDER-LAYMENT COMPOUND.
- F4 REMOVE AND DISPOSE OF EXISTING,.
- F5 REMOVE AND DISPOSE OF EXISTING,.

Mechanical/Plumbing

- M1 REMOVE AND DISPOSE OF EXISTING PLUMBING FIXTURE (UTILITY SINK, FLOOR DRAIN, WATER CLOSET, URINAL, SHOWER AND/OR LAVATORY), RE: MEP.
- M2 NOT USED.
- M3 REMOVE AND DISPOSE OF EXISTING FIN TUBE RADIATOR, RE: MEP.
- M4 REMOVE AND DISPOSE OF EXISTING FAN COIL UNIT HEATER, RE: MEP.
- M5 NOT USED.

Partitions

- P1 REMOVE AND DISPOSE OF EXISTING MASONRY PARTITION AND RELATED ITEMS.
- P2 REMOVE AND DISPOSE OF EXISTING STUD PARTITION AND RELATED ITEMS.
- P3 REMOVE AND DISPOSE OF EXISTING STUD PARTITION/ FURRING AND RELATED ITEMS AROUND COLUMN, STEEL COLUMN SHALL REMAIN.
- P4 REMOVE AND DISPOSE OF EXTERIOR WALL SYSTEM AND RELATED ITEMS.
- P5 NOT USED.

Protection Notes

1. GENERAL: CONTRACTOR SHALL PROTECT ALL EXISTING CONSTRUCTION TO REMAIN AS REQUIRED TO PREVENT DAMAGE. ALL EXISTING MATERIALS, SURFACES, EQUIPMENT, ETC, DAMAGED DURING THE WORK SHALL BE REPAIRED TO THE OWNER'S REPRESENTATIVE SATISFACTION OR REPLACED WITH NEW AT NO ADDITIONAL COST TO THE OWNER. PROTECTION DEVICES SHALL BE INSTALLED PRIOR TO THE START OF ALL DEMOLITION, AND MAINTAINED THROUGHOUT CONSTRUCTION AS NEEDED.
2. COORDINATE LOCATION AND TYPE OF ALL PROTECTION BARRIERS WITH CONTRACTING OFFICER PRIOR TO INSTALLATION.
3. PROVIDE FLOOR PROTECTION COVERINGS AS REQUIRED TO PREVENT DAMAGE TO EXISTING FLOOR COVERINGS AND FINISHES TO REMAIN THROUGHOUT ALL CONSTRUCTION AND DEMOLITION ACTIVITY.
4. EXISTING EMERGENCY EXITS MUST BE MAINTAINED ACCESSIBLE DURING THE PERIOD OF CONSTRUCTION
5. CONTRACTOR SHALL SEAL ALL DOOR OPENINGS AND HVAC OPENINGS IN ALL AREAS OF DEMOLITION AND CONSTRUCTION PRIOR TO CUTTING, SANDING, ETC, TO PREVENT DUST MIGRATION TO ADJACENT ROOMS.
6. CONTRACTOR SHALL PROVIDE TEMPORARY WEATHER PROTECTION FOR ALL EXTERIOR OPENINGS WHERE DOORS, WINDOWS, LOUVERS, ROOF HATCHES AND ROOF EQUIPMENT OPENINGS ARE REMOVED OR WHERE NEW EXTERIOR OPENINGS ARE INSTALLED UNTIL PERMANENT ITEMS OR WEATHER PROTECTION ARE INSTALLED.

Notes:

1.0 Do not scale dimensions from drawings. Dimensions govern.

2.0 All dimensions are in feet and inches, unless noted otherwise.

3.0 The contractor shall check all dimensions, levels and angles on site prior to commencing any work.

4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.

5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS

REV. #	DATE	ISSUING REASON
-	-	-

PROFESSIONAL SEAL

julián manríquez botello LIC. MRK DCCC III EXP: 18.X.2025 LIC

IDENTIFICACION - ESTIMADOS / FIRM NAME

YO, JULIÁN MANRÍQUEZ BOTELLO, LICENCIA 19865, CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ, CONFECCIONÓ Y PREPARÓ ESTOS PLANOS Y/O ESPECIFICACIONES Y/O ESTIMADOS TITULADOS: PLANOS Y ESPECIFICACIONES QUE EXCEDEN PLANOS Y ESPECIFICACIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS, JUNTAS, REGLAMENTADORAS O COMPAÑÍAS PÚBLICAS CON JURISDICCIÓN SOBRE LA OBRA. TAL(ES) PLANOS Y ESPECIFICACIONES CUMPLEN CON LA NORMATIVA VIGENTE APLICABLE AL MOMENTO DE SOMETERSE. CUALQUIER ENMIENDA, CAMBIO O REVISIÓN POR LA AGENCIA O COMPAÑÍA EN LA JURISDICCIÓN DE LA OBRA RECONOCIDO O CUALQUIER OMISIÓN O ERROR EN LOS PLANOS Y ESPECIFICACIONES QUE CAUSEN QUE EL PROYECTO O SISTEMA DE INSTALACIÓN NO CUMPLA CON LA NORMATIVA VIGENTE APLICABLE AL MOMENTO DE SOMETERSE, SERÁ RESPONSABILIDAD DEL CONTRATISTA O SUBCONTRATISTA EL CORREGIR DICHAS DEFICIENCIAS SIN COSTO ADICIONAL PARA EL DUEÑO DE LA OBRA. NO SHALL ESTIMATES BE USED FOR BIDDING OR CONSTRUCTION PURPOSES. ONLY BY SIGNED AND SEALED PROFESSIONAL DOCUMENTS. © COPYRIGHT 2025 - ANY TOTAL, PARTIAL REPRODUCTION OF THIS DOCUMENT OR THE INFORMATION CONTAINED HEREIN IS STRICTLY PROHIBITED WITHOUT WRITTEN CONSENT AND IS ALL BE HELD TO PROPRIETARY INFORMATION. 5/7/2025

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landscape . architecture . product
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e-mail: info@formationstudio.com

PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

DWG. TITLE

General Demolition & Protection Notes

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

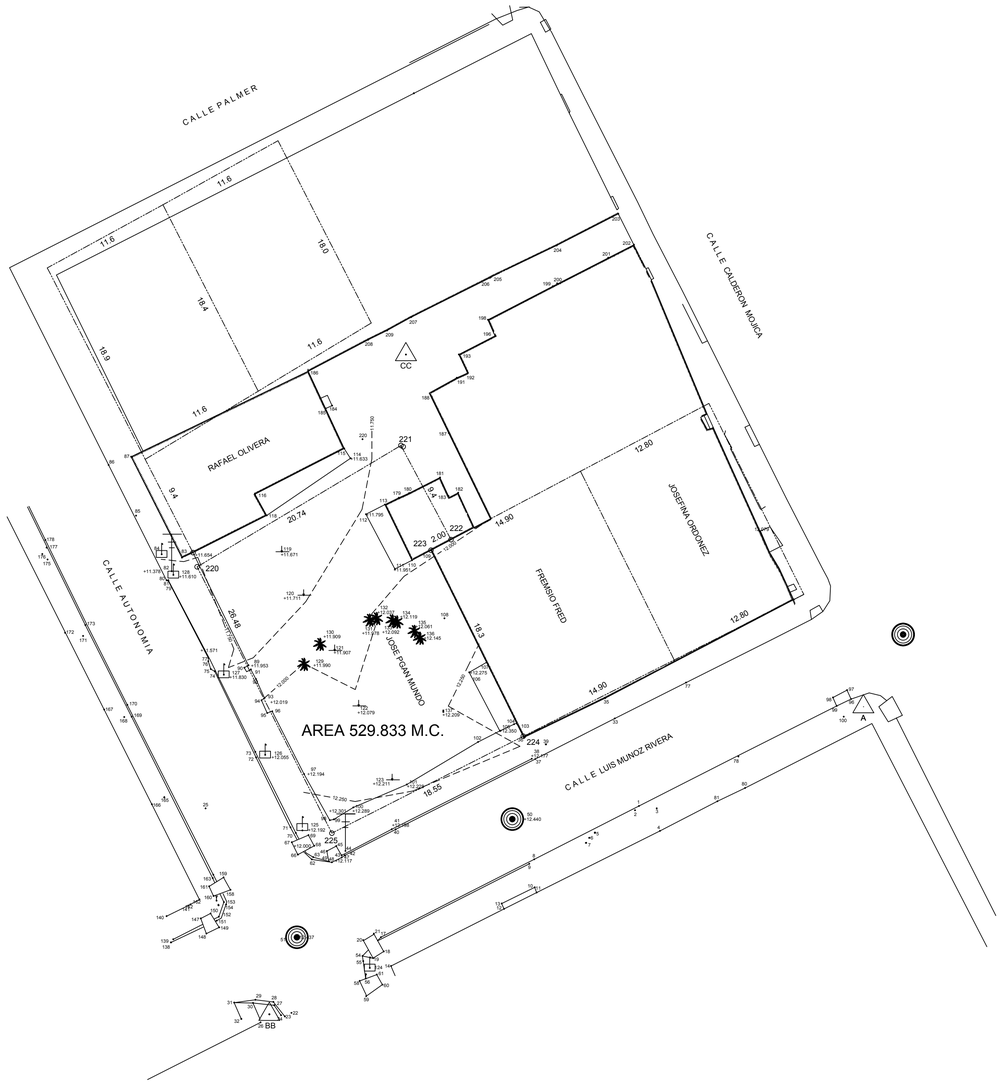
PROJECT #	PROJECT PHASE
22-02	Construction Docs - 100%

SHEET #	DRAWN BY	DATE
4	krs/jmb	25.vi.2024

DISCIPLINE

GDN-1.0

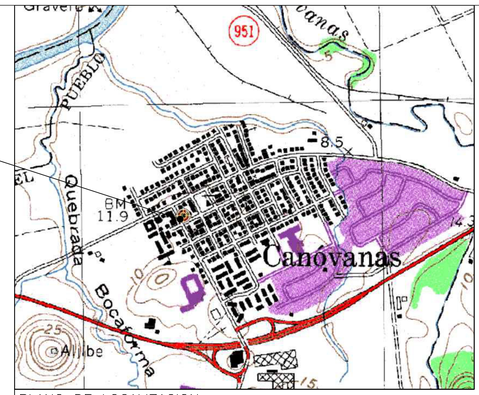
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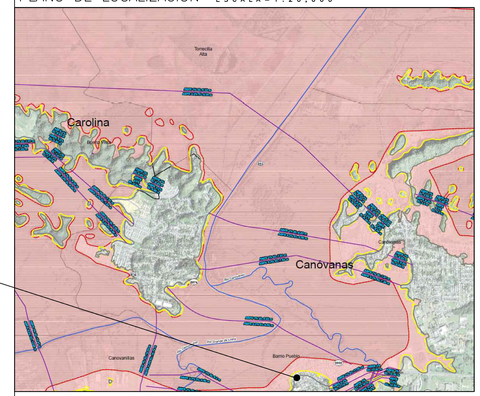
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SITIO



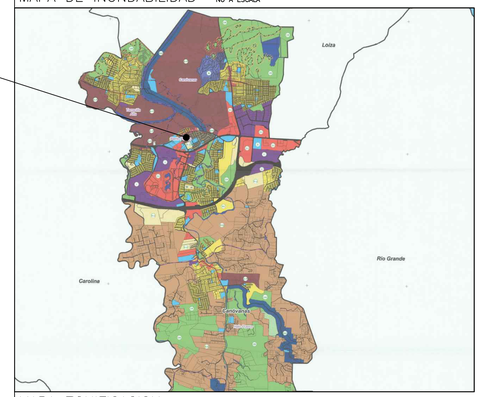
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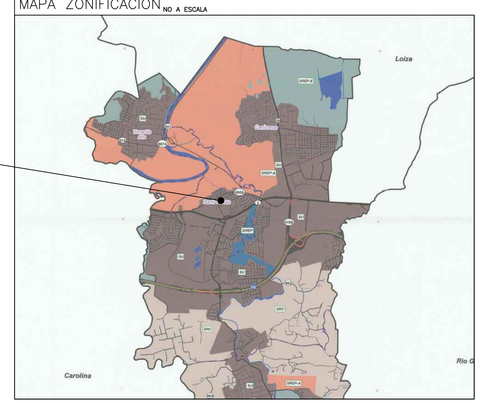
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SITIO



MAPA ZONIFICACION NO A ESCALA

SITIO



MAPA CALIFICACION NO A ESCALA

LEYENDA

- PALMA
- CONTADOR DE AGUA
- REGISTRO SANITARIO
- POSTE ELECTRICO
- MAN HOLE
- BASE DE CEMENTO
- FOCO DE LUZ
- TOPO DE TERRENO
- ESTACION DE CONTROL

ARCHITECTS, ENGINEERS, SURVEYORS & PLANNERS

GOMEZ, PIÑERO

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EMILIO RAMIREZ RAMIREZ
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PUERTO RICO

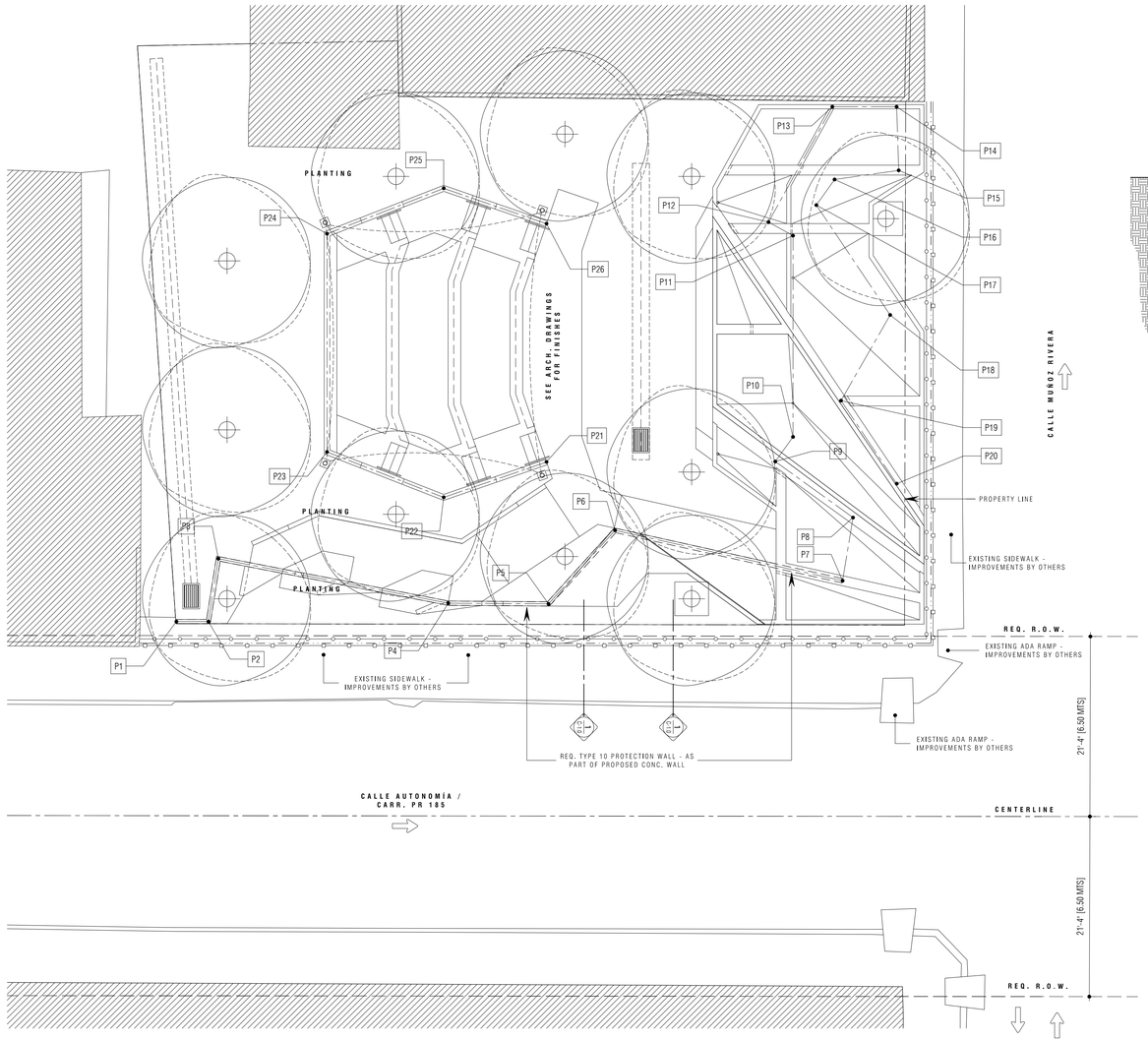
EL AQUI FIRMANTE CON EL NUMERO DE LICENCIA EN SU SELLO PROFESIONAL QUE APARECE EN ESTE PLANO, CERTIFICA QUE SOY EL PROFESIONAL QUE DISEÑO ESTOS PLANOS Y ESPECIFICACIONES CUMPLAN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES CORPORACIONES PUBLICAS CON JURISDICCION. RECONOZCO QUE CUALQUIER DECLARACION FALSA O FALSIFICACION DE LOS HECHOS QUE SE CORROBORE POR LA VIA JUDICIAL, HAYA SIDO PRODUCIDO, POR MI PERSONA O POR CUALQUIERA DE MIS EMPLEADOS O POR OTRAS PERSONAS CONTRATADAS POR MI CONOCIMIENTO VINCULADOS A TRAVES MIO A ESTE PROYECTO ME HARAN RESPONSABLES ANTE LA OGPE Y OTRAS AUTORIDADES COMPETENTES DE AQUELLAS ACCIONES DISCIPLINARIAS QUE ESTIMEN PERTINENTES, A LA REVOCACION DE LA PARTICIPACION DE AQUELLAS PERSONAS NATURALES O JURIDICAS QUE HAYAN PARTICIPADO CONMIGO EN LOS PROCEDIMIENTOS DE CERTIFICACION PROFESIONAL EN LA OGPE.

POR MI ME EXIME DEL DERECHO A QUE SE TRA
A SIGUIENDO EL DEBIDO PROCESO DE LEY.

NINGUNA DECLARACION AQUI SUSCRITA, POR MI ME EXIME DEL DERECHO A QUE SE TRA CUALQUIER RECLAMACION EN MI CONTRA SIGUIENDO EL DEBIDO PROCESO DE LEY.

PLANO DE MENSURA
DE EDIFICIO DE ARTES TEATRALES
MUNICIPIO DE CANOVANA
PUERTO RICO

DWG TITLE
FILE
DRAWN BY:
REVISED BY
PROJECT SPONSER
PLOT SCALE:
DATE: OCTUBRE 2022
PROJECT NUM

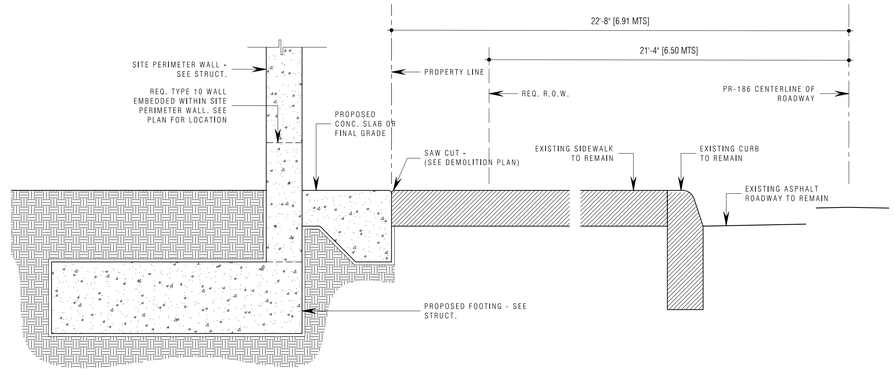


Geometry Site Plan

SCALE : 1 = 100

Legend

- PROPERTY LINE
- LIMIT OF PROJECT SCOPE
- CONSTRUCTION FENCE & GATES
- SITE IMPROVEMENT LIMIT
- EXISTING TREE - TO REMAIN AND/OR BE RELOCATED
- PROPOSED TREE
- EXISTING TRAFFIC FLOW



Perimeter Wall Detail

SCALE : 1" = 1'-0"

1
C-1.0

COORDINATES			
POINT	NORTH	EAST	DESCRIPTION
P1	260450.1995	256179.3460	STRUCT. WALL CENTERLINE
P2	260449.1704	256179.8686	STRUCT. WALL CENTERLINE
P3	260449.8745	256182.0526	STRUCT. WALL CENTERLINE
P4	260441.7523	256184.3784	STRUCT. WALL CENTERLINE
P5	260438.5161	256185.9926	STRUCT. WALL CENTERLINE
P6	260437.5759	256189.4461	STRUCT. WALL CENTERLINE
P7	260429.4320	256191.5433	STRUCT. WALL CENTERLINE
P8	260430.1291	256193.7463	STRUCT. WALL CENTERLINE
P9	260433.5457	256194.2798	STRUCT. WALL CENTERLINE
P10	260433.3770	256195.3605	STRUCT. WALL CENTERLINE
P11	260436.6658	256201.8365	STRUCT. WALL CENTERLINE
P12	260437.6761	256201.8726	STRUCT. WALL CENTERLINE
P13	260437.5062	256206.6252	STRUCT. WALL CENTERLINE
P14	260435.4379	256207.6756	STRUCT. WALL CENTERLINE
P15	260434.3319	256205.6632	STRUCT. WALL CENTERLINE
P16	260436.2460	256204.3219	STRUCT. WALL CENTERLINE
P17	260436.4137	256203.2006	STRUCT. WALL CENTERLINE
P18	260432.2436	256200.8709	STRUCT. WALL CENTERLINE
P19	260432.4259	256197.3127	STRUCT. WALL CENTERLINE
P20	260429.2754	256195.5497	STRUCT. WALL CENTERLINE

P21	260440.8967	256190.5252	SEATING WALL CENTERLINE
P22	260443.6278	256187.7065	SEATING WALL CENTERLINE
P23	260448.1235	256187.2634	SEATING WALL CENTERLINE
P24	260451.6865	256194.2795	SEATING WALL CENTERLINE
P25	260448.6766	256197.6481	SEATING WALL CENTERLINE
P26	260444.7894	256198.1904	SEATING WALL CENTERLINE

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5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS

REV. #	DATE	ISSUING REASON

PROFESSIONAL SEAL

JOSE O. GONZALEZ GARCIA
INGENIERO LICENCIADO
LIC. #6588
PUERTO RICO

IDENTIFICACION - CERTIFICATE - FIRM NAME

Yo, José O. González García, ingeniero civil, certifico que soy el profesional que diseñó, confeccionó y firma los planos y las especificaciones complementarias, también certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables de los reglamentos vigentes de construcción vigentes de las agencias, Junta Reglamentadora y organismo gubernamental con jurisdicción, certifico, además, que en la preparación de estos planos y especificaciones se ha cumplido cabalmente con lo dispuesto en la Ley 14-2004, según enmendada, conocida como "Ley de Profesión e Invasión por la industria puertorriqueña" y con la ley núm. 96 de 6 de julio de 2004, según enmendada, reconozco que cualquier declaración falsa o fabricación de los documentos que se han producido por desconocimiento o por negligencia ya sea por mí, mis agentes o empleados o por otras personas con mi conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

YO, JOSÉ O. GONZÁLEZ GARCÍA, MAYAGÜEZ, BOTELLO, LICENCIA 19865, CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ, CONFECCIONÓ Y PREPARÓ ESTOS PLANOS Y ESPECIFICACIONES COMPLEMENTARIAS, TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS, JUNTA REGLAMENTADORA Y ORGANISMO GUBERNAMENTAL CON JURISDICCIÓN, RACIONES, PÚBLICOS CON JURISDICCIÓN, CERTIFICO, ADEMÁS, QUE EN LA PREPARACIÓN DE ESTOS PLANOS Y ESPECIFICACIONES HE CUMPLIDO CABALMENTE CON LO DISPUESTO EN LA LEY NÚMERO 96 DEL 6 DE JULIO DE 2004, SEGÚN ENMENDADA, CONOCIDA COMO LA "LEY PARA LA PROFESIÓN E INVASIÓN POR LA INDUSTRIA PUERTORRIQUEÑA" Y CON LA LEY NÚMERO 96 DEL 6 DE JULIO DE 2004, SEGÚN ENMENDADA, RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FABRICACIÓN DE LOS DOCUMENTOS QUE SE HAN PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR PARTE DE LA OGPE.

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PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

J.O.G. ENGINEERING CORP.

DWG. TITLE

Civil Site Plan

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT # 22-02
PROJECT PHASE Construction Docs - 100%
SHEET # 6
DRAWN BY krs/jmb
DATE 25.vi.2024
DESCIPLINE

C-1.0

BID SET January 10, 2025

PROPERTY & PROJECT LIMIT

SLOPE

12.75

12.50

12.00

13.00

13.50

13.85

1% SLOPE

2"Ø PVC PIPE

3"Ø PVC PIPE

3"Ø PVC D.S.

3"Ø PVC PERFORATED PIPE

SIM

T.E.-11.95
I.E.-11.65

T.E.-11.90
I.E.-11.60

5% SLOPE (MAX)

12.000

11.750

12.250

(2)4"Ø PVC PIPE

(3)4"Ø PVC PIPE

FREE DISCHARGE-CUT PVC FLUSH TO CURB FACE - SEE DETAIL C-2.1

PROPERTY LIMIT

CALLE MUÑOZ RIVERA

CALLE AUTONOMÍA

Site Improvements & Grading Plan

SCALE : 3/16" = 1'-0"

Legend

- STORM DRAIN LINE
- C.O. CLEAN OUT PLUG
- C.O. CLEAN OUT FLUSH WITH WALL
- C.O. CLEAN OUT FLUSH WITH FLOOR OR FINISH GRADE

Notes:

1.0 Do not scale dimensions from drawings. Dimensions govern.

2.0 All dimensions are in feet and inches, unless noted otherwise.

3.0 The contractor shall check all dimensions, levels and angles on site prior to commencing any work.

4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.

5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS

REV. #	DATE	ISSUING REASON
-	-	-

PROFESSIONAL SEAL

JOSE O. GONZALEZ
INGENIERO
LICENCIADO
LIC. #6588
PUERTO RICO

IDENTIFICACIÓN - CERTIFICATE - FIRM NAME

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PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

J.O.G. ENGINEERING CORP.

DWG. TITLE

Site Improvements & Grading Plan

CLIENT

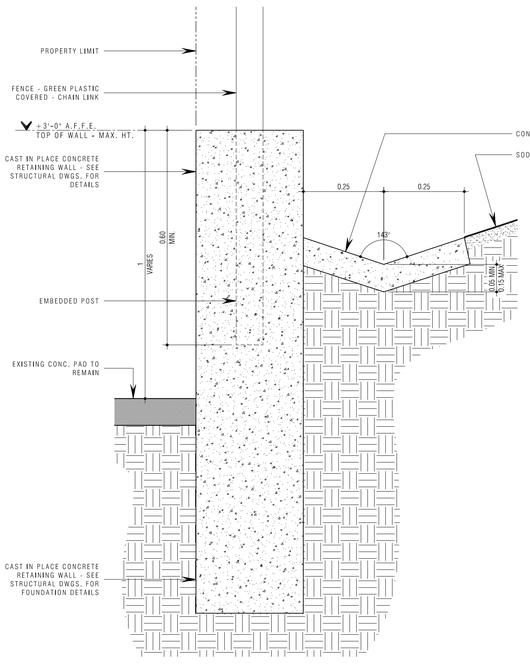
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT #	PROJECT PHASE
22-02	Construction Docs - 100%
SHEET #	DRAWN BY / DATE
7	krs/jmb 25.vi.2024

DISCIPLINE

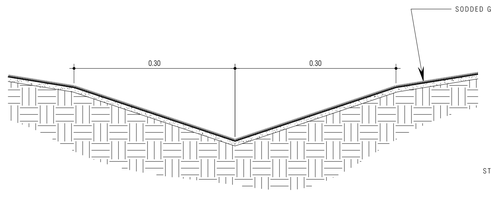
C-2.0

BID SET January 10, 2025



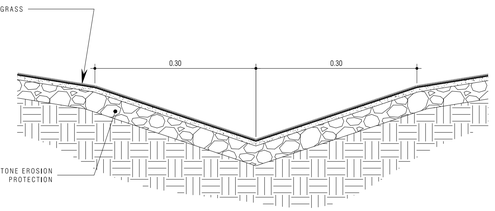
Site - Gutter Detail 1

SCALE: 1 ½" = 1'-0" C-2.1



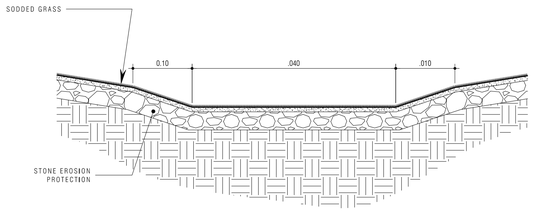
Earth Swale Detail 2

SCALE: 3" = 1'-0" C-2.1



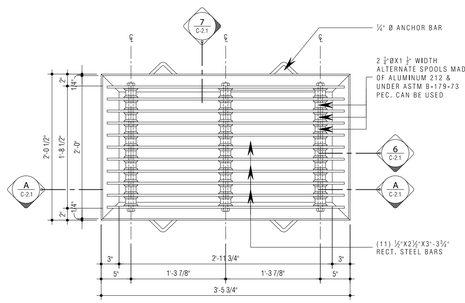
Stone Swale Detail 3

SCALE: 3" = 1'-0" C-2.1



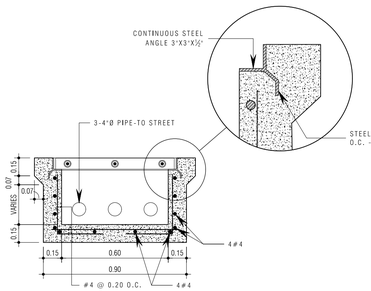
Stone Shallow Swale Detail 4

SCALE: 3" = 1'-0" C-2.1



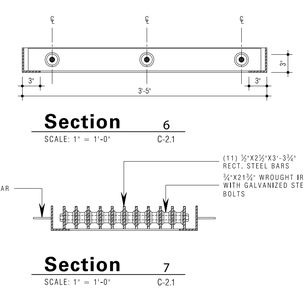
Grating Plan 5

SCALE: 1" = 1'-0" C-2.1



Section - Grating Detail A

SCALE: ½" = 1'-0" C-2.1



Section 6

SCALE: 1" = 1'-0" C-2.1

Section 7

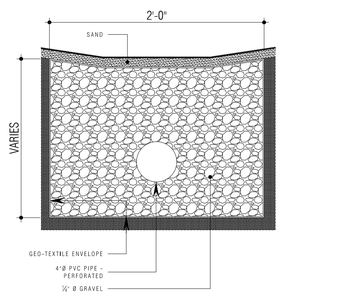
SCALE: 1" = 1'-0"

Grating Detail

SCALE: 1" = 1'-0"

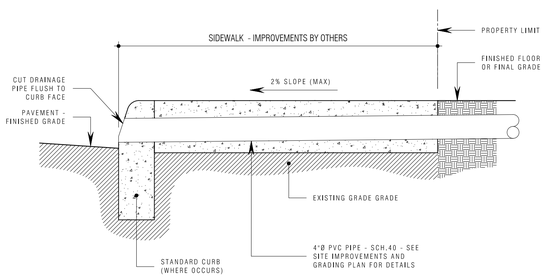
Notes

1. CONCRETE STRENGTH 3,000 P.S.I. AT 28 DAYS.
2. REINFORCING STEEL ASTM A615 GRADE 60.
3. CONCRETE COVER REINFORCEMENT AS FOLLOWS:
   A. BOTTOM SLAB ... 3" (SIDE & BOTTOM).
   2" TOP.
4. WELDING AS PER AWS BUILDING CODE (LATEST)
5. ALL DETAILS AND CONSTRUCTION TO COMPLY WITH ACI ASTM B-179-73 OR LATEST EDITION.
6. ALTERNATE SPOOLS MADE OF ALUMINUM 212 ND UNDER SPECIFICATIONS.



French Drain Typ Detail 8

SCALE: 1" = 1'-0" C-2.1



Free Discharge at Curb Detail 9

SCALE: 1" = 1'-0" C-2.1

General Notes

1. CONTRACTOR SHALL CAREFULLY STUDY THIS SET OF PLANS AND INSPECT HE PREMISES PRIOR TO HIS BID. HE SHALL CALL TO THE ATTENTION OF HE ARCHITECT/ENGINEER OF ANY DISCREPANCY OR ADDITIONAL WORK THAT IS NOT SPECIFICALLY SHOWN IN THESE DRAWINGS AND THAT IS REQUIRED TO COMPLETE THE JOB.
2. THE CONTRACTOR SHALL RESTORE ALL STREET AND/OR ROAD SURFACES AND DAMAGED STRUCTURES TO THEIR ORIGINAL CONDITION.
3. ALL FILL MATERIAL SHALL BE OF A VERY GOOD COMPACTION QUALITY, FREE OF DEBRIS. ALL COMPACTION SHALL BE ACCORDING TO THE STANDARD SPECIFICATIONS OF PR HIGHWAY AND TRANSPORTATION AUTHORITY ND SOIL REPORT. CONTRACTOR SHALL PROVIDE CERTIFIED COMPACTION TEST RESULTS BY A QUALIFIED SOIL CONSULTING FIRM.
4. CONTRACTOR SHALL PROTECT AND REPAIR, AT HIS OWN EXPENSE, ALL EXISTING WATER SERVICE CONDITIONS ND ANY OTHER FACILITY AFFECTED BY PIPELINE INSTALLATIONS.
5. CONTRACTOR SHALL AND WILL ALWAYS MAINTAIN TRAFFIC ACCESS TO HE PREMISES FOR PROPERTY OWNERS.
6. CONTRACTOR SHALL OBTAIN ALL NECESSARY MUNICIPAL AND STATE AGENCIES' APPROVALS AND PAY FOR ALL REQUIRED BONDS PRIOR TO COMMENCING ANY WORK OR INSTALLATION.
7. ALL ELEVATIONS AND MEASUREMENTS ARE EXPRESSED IN METERS UNLESS SHOWN OTHERWISE.

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REVISIONS		
REV. #	DATE	ISSUING REASON
-	-	-

PROFESSIONAL SEAL

JOSE O. GONZALEZ GARCIA — INGENIERO LICENCIADO — LIC. #6588 — PUERTO RICO

CERTIFICACION - ESPAÑOL - VIEW NAME

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Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

J.O.G. ENGINEERING CORP.

SHEET TITLE

Site Improvements Details

CLIENT

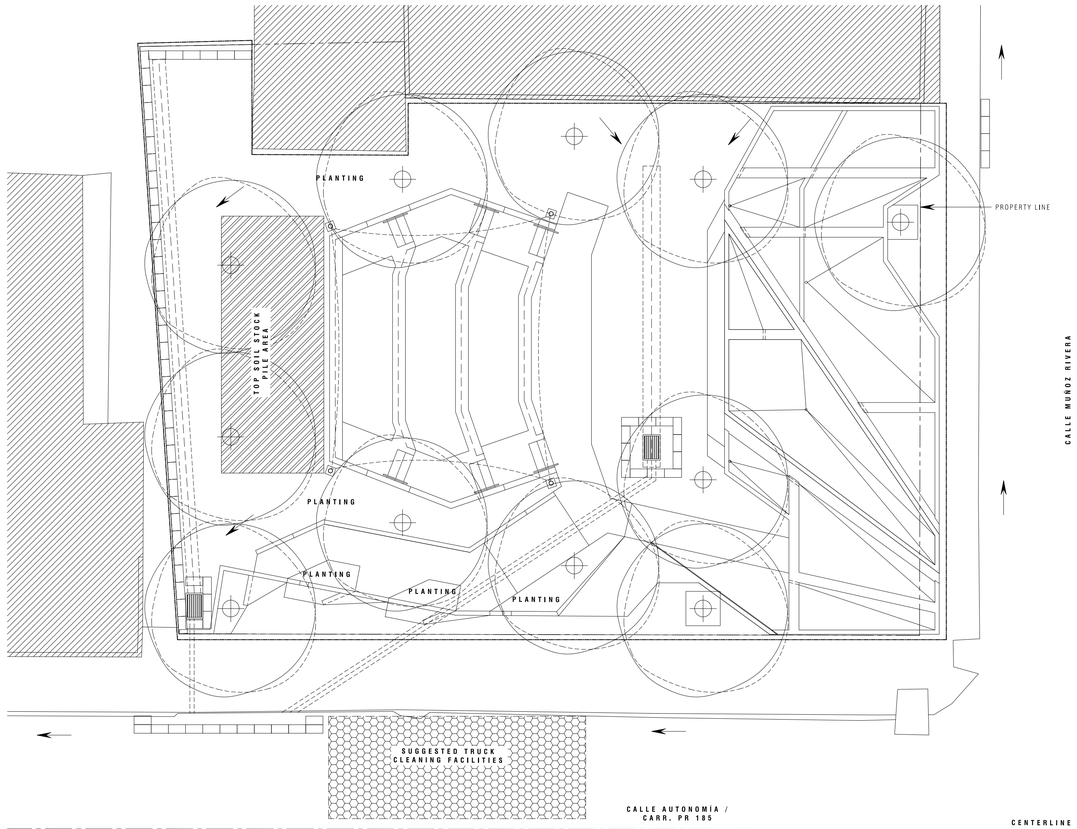
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT #	PROJECT PHASE
22-02	Construction Docs - 100%
SHEET #	DRAWN BY / DATE
8	krs/jmb 25.vi.2024

DESCIPLINE

C-2.1

BID SET January 10, 2025



CES Plan

SCALE : 1 = 100

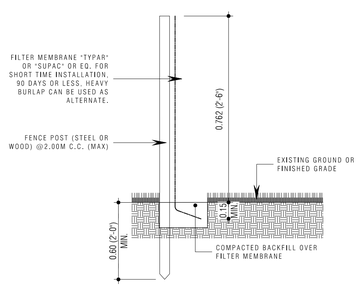


Legend

- PROPERTY LINE
- EXISTING TRAFFIC FLOW
- TEMPORARY GRAVEL COURSE FOR TRUCK CLEANING DURING CONSTRUCTION
- BALE ROW - STAKED/PEGGED TO GROUND - SEE DETAIL FOR PROPER ANCHORING
- TOPSOIL STOCK PILE AREA
- STRAW BALE DIKE AROUND OUTLET
- SILT FENCE
- XX-X APPROXIMATE BORING LOCATION AS PER SUB-SOIL STUDY
- ARROW INDICATES RUN-OFF FLOW
- PROPOSED TREE

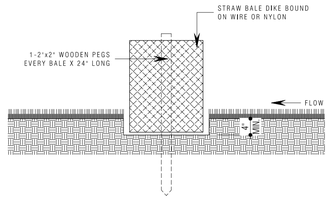
Sediment Control Notes

1. CONTRACTOR SHALL CONSTRUCT DITCHES, SWALES AND BERMS FOR CONTROLLING EROSION AND SEDIMENT POLLUTION DURING CONSTRUCTION.
2. NO FILL SHALL BE LEFT UNSTABLE MORE THAN THIRTY DAYS, NOR STORED WITHOUT COMPACTION.
3. SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AND REPAIRED AS NECESSARY TO ASSURE IT IS FREE FROM DEBRIS OR MUD IN ORDER TO GUARANTEE ITS GOOD PERFORMANCE DURING CONSTRUCTION.
4. NO FILL SHALL BE STORED IN PROJECT FOR MORE THAN SEVEN DAYS.
5. ALL TRUCKS AND EQUIPMENT WHEELS HALL BE CLEANED, AT CLEANING AREA, BEFORE LEAVING THE PROJECT.
6. CONTRACTOR SHALL DETERMINE THE FINAL LOCATION OF TRUCK TEMPORARY WASHING FACILITIES WITH ITS NECESSARY COMPONENTS AS PER EXISTING CONDITIONS AND PREPARE RELEVANT MOT PLANS FOR APPROVAL.
7. THE PROJECT SHALL HAVE ONE EXIT ONLY, DURING AND AFTER CONSTRUCTION.
8. ALL PERMANENT SLOPES SHALL BE SODDED AS SOON AS POSSIBLE.
9. CONTRACTOR SHALL SPRAY WITH WATER (TWICE DAILY) ALL BARE GROUND THROUGHOUT PROJECT.
10. PREVENTIVE SEDIMENTATION WORKS SHALL BE PERFORMED PRIOR TO EARTH MOVEMENT ACTIVITIES.
11. FOR ADDITIONAL INFORMATION ON SEDIMENT CONTROL DURING CONSTRUCTION, REFER TO THE "CES PLAN" PROPOSAL.
12. SEDIMENT SHALL BE REMOVED AFTER ACCUMULATED TO HALF THE DESIGN DEPTH OF THE TRAP. SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA.
13. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
14. THE PROJECT ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY.
15. WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ON TO PUBLIC R/W WHEN NEEDED. WASHING SHALL BE DONE ON AREA DESIGNATED FOR TRUCK CLEANING.
16. EACH BALE SHALL BE EMBEDDED IN HE SOIL A MINIMUM OF 4".
17. BALES SHALL BE SECURELY ANCHORED IN PLACE WITH WOODEN STAKES DRIVEN THROUGH THE BALES.
18. BALES SHALL BE REMOVED AFTER PROJECT COMPLETION SO AS TO BLOCK STORM FLOW DRAINAGE.



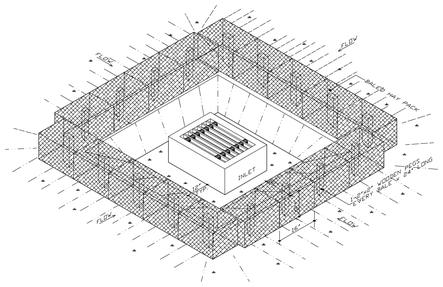
Silt Fence Detail

NTS



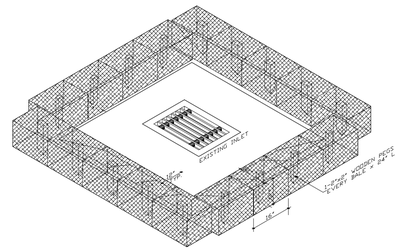
Bales Hay Embedding Detail

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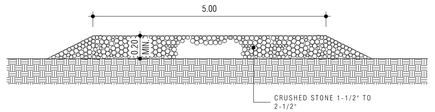
Straw Bale Dike Sediment Trap Det. - Proposed Inlets

NTS



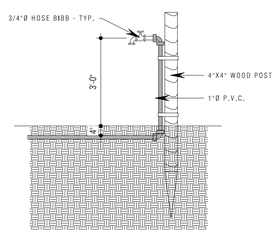
Straw Bale Dike Sediment Trap Det. - Existing Inlets

NTS



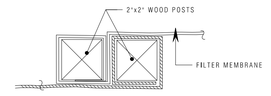
Truck Washing Facilities

NTS



Hose Bibb Det.

NTS



Silt Screen to Wood Post Detail

Notes:

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REVISIONS

REV. #	DATE	ISSUING REASON

PROFESSIONAL SEAL

JOSÉ O. GONZÁLEZ INGENIERO LICENCIADO LIC. #6588 PUERTO RICO

CERTIFICACIÓN - ESPAÑOL / VIEW HERE

Yo, José O. González García, ingeniero civil, certifico que soy el profesional que diseñó, confeccionó y selló los planos y las especificaciones complementarias, también certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables de los reglamentos adoptados de construcción vigentes de las agencias, Junta de Planificación y Oficina de Gerencia de Permisos con jurisdicción, certifico, además, que en la preparación de estos planos y especificaciones se ha cumplido cabalmente con lo dispuesto en la Ley 14-2004, según enmendada, conocida como "Ley para la inversión por la industria puertorriqueña" y con la Ley núm. 96 de 6 de julio de 2004, según enmendada, reconozco que cualquier declaración falsa o fabricación de los documentos que se han producido por desconocimiento o por negligencia ya sea por mí, mis agentes o empleados o por otras personas con en conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

YO, JOSÉ O. GONZÁLEZ GARCÍA, MAYAGÜEZ, PUERTO RICO, INGENIERO LICENCIADO, CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ, CONFECCIONÓ Y PREPARÓ ESTOS PLANOS Y ESPECIFICACIONES COMPLEMENTARIAS, TAMBIÉN CERTIFICO QUE ESTOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS Y CORPORACIONES PÚBLICAS CON JURISDICCIÓN, CERTIFICO, ADEMÁS, QUE EN LA PREPARACIÓN DE ESTOS PLANOS Y ESPECIFICACIONES SE HA CUMPLIDO CABALMENTE CON LO DISPUESTO EN LA LEY 14-2004, SEGÚN ENMENDADA, CONOCIDA COMO LA "LEY PARA LA INVERSIÓN POR LA INDUSTRIA PUERTORRIQUEÑA" Y CON LA LEY NÚM. 96 DE 6 DE JULIO DE 2004, SEGÚN ENMENDADA. RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FABRICACIÓN DE LOS DOCUMENTOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS O POR OTRAS PERSONAS CON EN CONOCIMIENTO, ME HACEN ME PODRÍA LE SE DISCIPLINA RIA POR LA OGPE. ESTUDIO LLC. NO DISTRIBUYA, COPIE O REPRODUZCA ESTOS PLANOS Y ESPECIFICACIONES SIN EL CONSENTIMIENTO ESCRITO DE ESTUDIO LLC. NO SERÁ RESPONSABLE POR EMPLEADOS, O POR OTRAS PERSONAS QUE NO SEAN EMPLEADOS DE ESTUDIO LLC. NO DISCIPLINA RIA POR LA OGPE. ESTUDIO LLC. NO SERÁ RESPONSABLE POR EMPLEADOS, O POR OTRAS PERSONAS QUE NO SEAN EMPLEADOS DE ESTUDIO LLC. NO DISTRIBUYA, COPIE O REPRODUZCA ESTOS PLANOS Y ESPECIFICACIONES SIN EL CONSENTIMIENTO ESCRITO DE ESTUDIO LLC. NO SERÁ RESPONSABLE POR EMPLEADOS, O POR OTRAS PERSONAS QUE NO SEAN EMPLEADOS DE ESTUDIO LLC. NO DISTRIBUYA, COPIE O REPRODUZCA ESTOS PLANOS Y ESPECIFICACIONES SIN EL CONSENTIMIENTO ESCRITO DE ESTUDIO LLC. NO SERÁ RESPONSABLE POR EMPLEADOS, O POR OTRAS PERSONAS QUE NO SEAN EMPLEADOS DE ESTUDIO LLC.

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PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

J.O.G. ENGINEERING CORP.

DWG. TITLE

CES Plan & Details

CLIENT

Municipality of Canóvanas - Hon. Lornna J. Soto

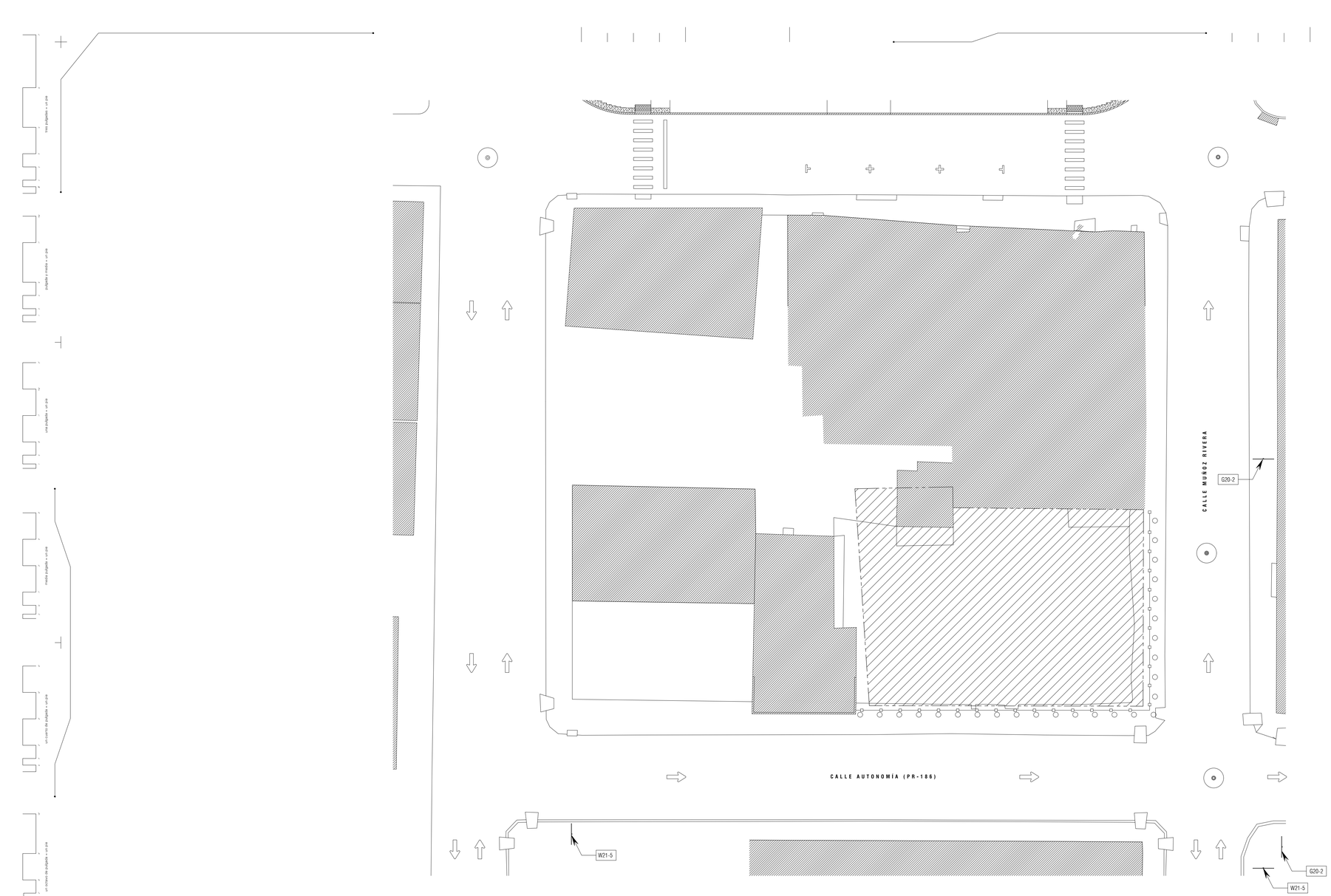
PROJECT #	PROJECT PHASE
22-02	Construction Docs - 100%

SHEET #	DRAWN BY	DATE
9	krs/jmb	25.vi.2024

DISCIPLINE

C-3.0

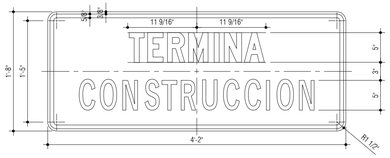
BID SET January 10, 2025



Maintenance of Traffic (MOT) Plan

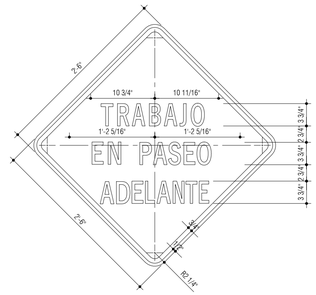
SCALE: 1 = 200

WORK IN THE SHOULDER 2' TO 15' FROM THE EDGE OF PAVEMENT.



G20-2

SCALE : 1" = 1'-0"



W21-5

SCALE : 1" = 1'-0"

Legend

- PROPERTY LINE
- LIMIT OF PROJECT SCOPE
- CONSTRUCTION FENCE & GATES
- SITE IMPROVEMENT LIMIT
- EXISTING TREE - TO REMAIN AND/OR BE RELOCATED
- PROPOSED TREE
- EXISTING TRAFFIC FLOW
- PROPOSED DETOUR
- XX-X (X) TRAFFIC SIGN TYPE
- WORK AREA
- CHANNELING DEVICE
- TRAFFIC SIGN
- FLAGGER

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REVISIONS

REV. #	DATE	ISSUING REASON
-	-	-

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INGENIERO
LICENCIADO
LIC. #6588
PUERTO RICO

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IDENTIFICACIÓN - EXPEDIENTE / ITEM NUMB

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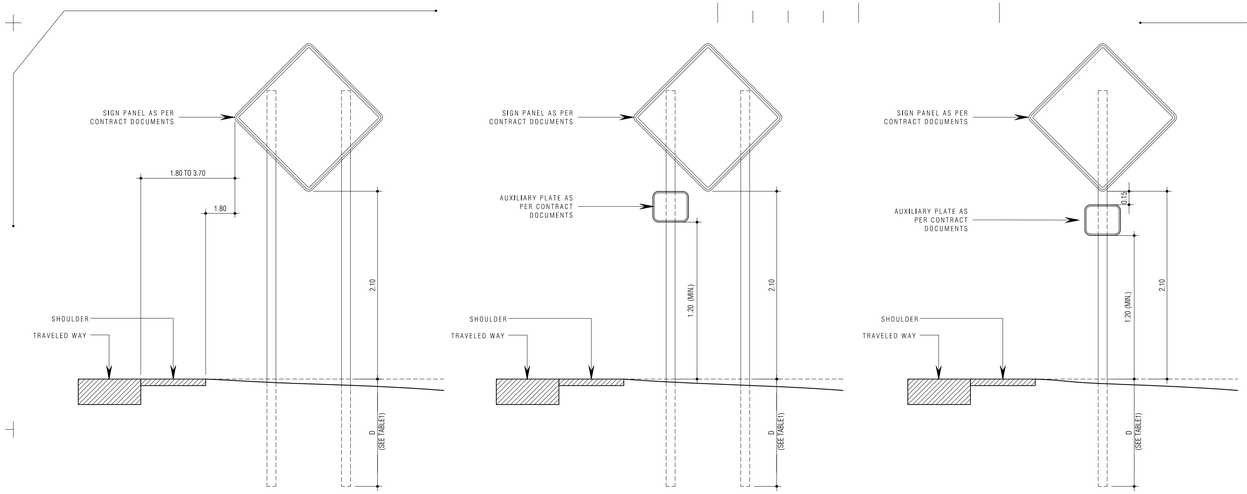
CLIENT
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22-02	Construction Docs - 100%
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10	krs/jmb 25.vi.2024

DRAWING

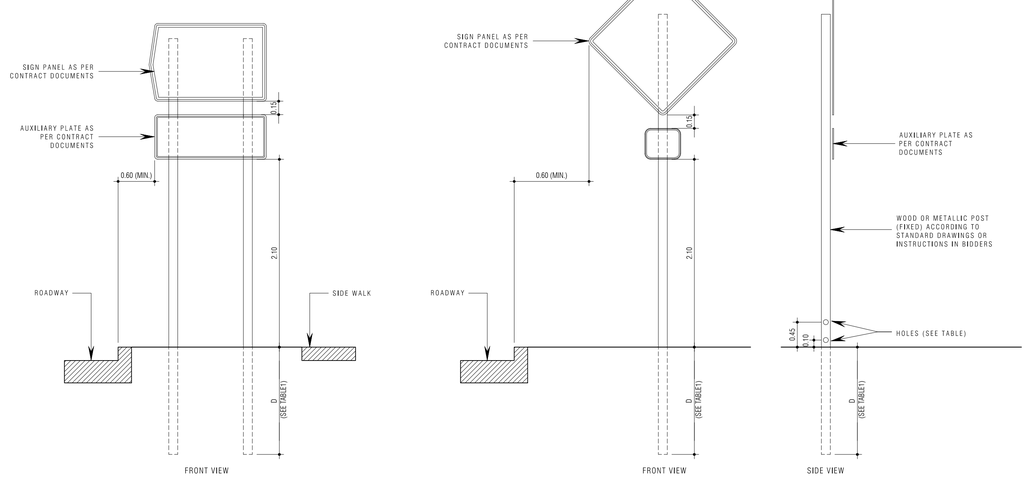
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BID SET January 10, 2025



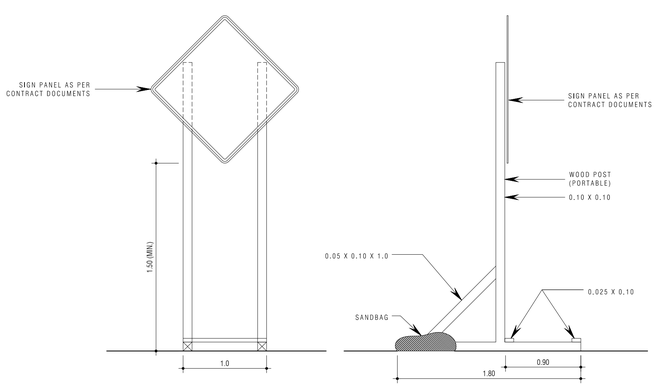
Fixed Roadway Signs - Rural Area

NOT TO SCALE



Fixed Roadway Signs - Urban Area

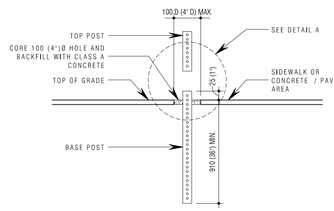
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Portable Signs

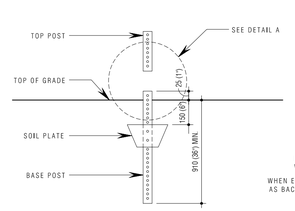
NOT TO SCALE

TABLE 1							
WOOD POST SIZE		D		HOLE DIAMETER		MAXIMUM SIGN PANEL AREA (SQUARE METERS)	
MT. X MT.	IN. X IN	MT.	IN.	MT.	IN.	1 POST	2 POST
0.10 X 0.10	4 X 4	1.2	4	NONE REQUIRED		1.0	2.0
0.10 X 0.15	4 X 6	1.2	4	0.04	1.5	N/A	3.0
0.15 X 0.15	6 X 6	1.5	5	0.05	2.0	N/A	4.5
0.15 X 0.20	6 X 8	1.5	5	0.07	3.0	N/A	8.0



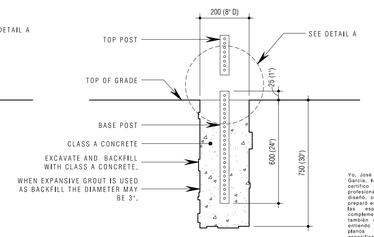
Sidewalk or Concrete

NOT TO SCALE



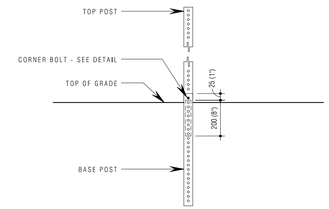
Natural Soil

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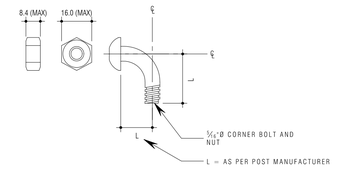
Rock Condition

NOT TO SCALE



Detail A - Top to Base Post Connection

NOT TO SCALE



Top to Base Post Fastener

NOT TO SCALE

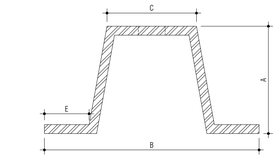


TABLE 2						
WEIGHT		NOMINAL DIMENSIONS				
			A	B	C	E
LB/FT	2	IN	1.45 - 1.55	3.00 - 3.15	1.25 - 1.30	0.62 - 0.67
KG/M	3	MM	37 - 38.5	77.5 - 78.5	31.75 - 32.5	15.8 - 17.0

Steel Flanged Channel - Top or Base Post

NOT TO SCALE

Notes

1.0 UNLESS OTHERWISE SHOWN, DIMENSIONS ARE IN METERS.

2.0 MOUNT SIGNS THAT ARE WIDER THAN 0.90M OR LARGER THAN 1 SQUARE METER ON TWO POSTS. SEE TABLE 1.

3.0 ALL LUMBER DIMENSIONS ARE NOMINAL.

4.0 THE CONTRACTOR MAY SUBMIT, FOR APPROVAL BY ENGINEER / ARCHITECT, ALTERNATE TEMPORARY SIGN MOUNTING WHICH FULLY COMPLIES WITH NCHRP 350 TL-3.

5.0 FOR POSTS GREATER THAN 0.10 X 0.10, CONTRACTOR SHALL SUBMIT BREAKAWAY SUPPORT DETAIL TO ENGINEER/ARCHITECT PRIOR TO INSTALLATION.

6.0 PORTABLE SIGNS MAY BE MOUNTED LOWER THAN FIXED SIGNS WHEN APPROVED BY ENGINEER/ARCHITECT.

7.0 MOUNTING FOR PORTABLE SIGNS SHALL HOLD THE SIGN FACE IN A VERTICAL PLANE.

8.0 FOR SIGNS REQUIRING POSTS 0.15 X 0.15 AND GREATER, SIGNS ARE CONSIDERED TO BE NON-BREAKAWAY IF MULTIPLE POST ARE REQUIRED AND THE POSTS CANNOT BE SPACED AT A MINIMUM OF 2.1 METERS APART. DO NOT PLACE HOLES IN POST OF NON-BREAKAWAY SIGNS.

9.0 SIGN MOUNTED ON PORTABLE SUPPORTS SHALL NOT BE USED FOR A DURATION OF MORE THAN THREE DAYS.

10.0 THE BACKGROUND FOR CONSTRUCTION WARNINGS SIGNS SHALL BE FLUORESCENT ORANGE COLOR ACCORDING TO SUPPLEMENTAL SPECIFICATION 638-2.02.

11.0 THE FINAL LOCATION OF TEMPORARY TRAFFIC SIGNS SHALL BE AS DIRECTED BY ENGINEER/ARCHITECT CONSIDERING OPTIMUM VISIBILITY AND, SAFETY IN THE EXISTING FIELD CONDITIONS.

12.0 THE CONTRACTOR SHALL USE APPROPRIATE SIZE DRIVE CAP TO DRIVE POST.

13.0 FOR SIDEWALK OR CONCRETE PAVED AREA, THE CONTRACTOR SHALL CORE SIDEWALKS SLAB 4" Ø AND BACKFILL WITH CLASS A CONCRETE AS A SUBSIDIARY OBLIGATION.

14.0 FOR ROCK CONDITION, THE CONTRACTOR SHALL EITHER EXCAVATE (8" DIAMETER HOLE) AND BACKFILL WITH CLASS A CONCRETE OR EXCAVATE (3" DIAMETER HOLE) AND BACKFILL WITH EXPANSIVE GROUT AS A SUBSIDIARY OBLIGATION.

15.0 THE CORNER BOLT SHALL BE THE ONE PROVIDED BY THE POST MANUFACTURER AND APPROVED BY FHWA AS A RESULT OF NCHRP 350 COMPLIANCE TESTING.

16.0 STEEL POST SHALL CONFORM TO THE REQUIREMENTS OF ASTM A499, GRADE 60 OR MARION STEEL COMPANY GRADE SP-80.

17.0 AFTER FABRICATION, POST SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH AASHTO M111 (ASTM A123).

18.0 THE BASE POST MAY HAVE SLOTTED HOLE 9.5MM X 13MM FOR THE FIRST AND FIFTH HOLE.

19.0 REFLECTIVE SHEETING USED ON ALL SIGNS SHALL CONFORM TO ASTM D4956, TYPE III. THE BACKING SHALL BE CLASS 1 OR 2.

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PROFESSIONAL SEAL

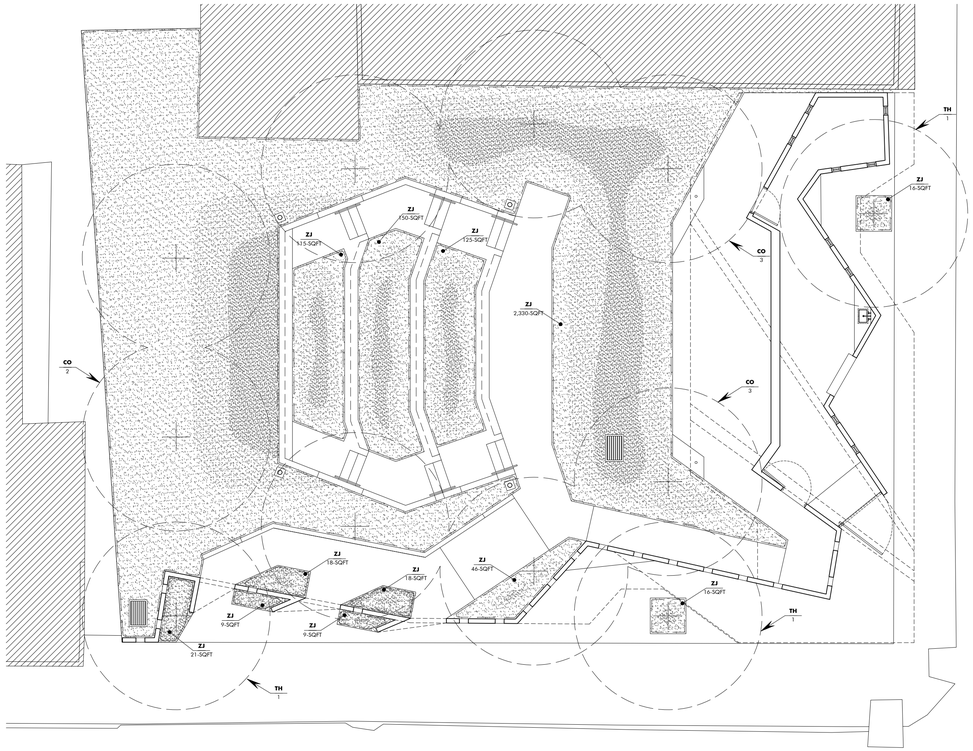
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CERTIFICACION - CERTIFICATE / FIRM NAME

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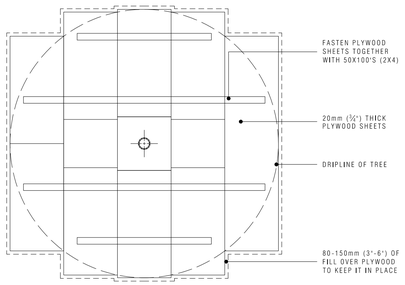
CERTIFICACION / CERTIFICATE



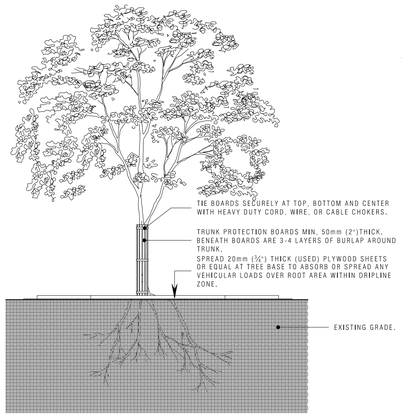
Planting Layout Plan

SCALE : 1/8" = 1'-0" — A — L-1.0

PLANT SCHEDULE								
CATEGORY	KEY	BOTANICAL NAME	COMMON NAME	QUANTITY	AREA (FT^2)	MATURE SIZE / SHAPE	SPACING	SIZE / ROOT
TREES	CO	CANANGA ODORATA	YLANG-YLANG	8	N/A	40' H X 20' W - COLUMNAR, IRREGULAR	AS SHOWN	15 GAL - 8' HT / BALLED & BURLAPPED
	TH	TABEUIA HETEROPHYLLA	ROBLE BLANCO, WHITE CEDAR	3	N/A	40'- UP RIGHT, IRREGULAR	AS SHOWN	15 GAL - 8' HT / BALLED & BURLAPPED
GROUND COVER	ZJ	ZOYSIA JAPONICA	MEYER ZOYSIA GRASS	N/A	3,000	N/A	N/A	SODDED



Plan



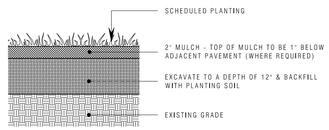
Section

Tree Protection (Typ)

NOT TO SCALE — 1 — L-1.0

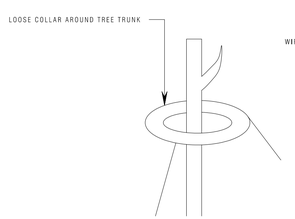
NOTES:

1. USE THIS DETAIL WHERE USE OF PROTECTIVE FENCING DOES NOT ALLOW FOR SUFFICIENT CONSTRUCTION MANEUVERING ROOM.
2. REMOVE ALL CHOKERS, BOARDS, ROPES, FILL AND PLYWOOD IMMEDIATELY AFTER COMPLETION OF CONSTRUCTION. IF CONSTRUCTION TIME IS EXTENDED, DO NOT ALLOW THESE MATERIALS TO STRANGULATE TREE OR DAMAGE BARK.
3. IF LOWER LIMBS INTERFERE WITH WORK, TIE UP WITH HEAVY DUTY JUTE CORD.
4. TIE UP LIMBS IN WARM WEATHER IF POSSIBLE.
5. ADJUST HEIGHT OF PROTECTIVE BOARDS TO PREVENT ANTICIPATED DAMAGE BY EQUIPMENT.



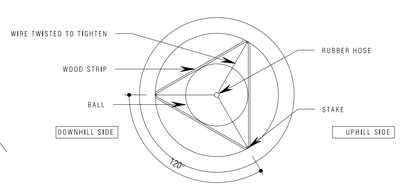
Ground Cover (Typ)

NOT TO SCALE — 2 — L-1.0



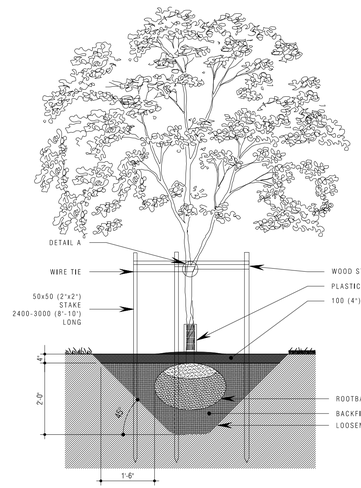
Detail A

NOT TO SCALE



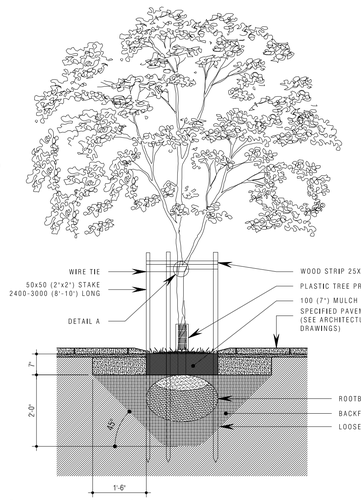
Staking for Special Conditions Plan

NOT TO SCALE — 3 — L-1.0



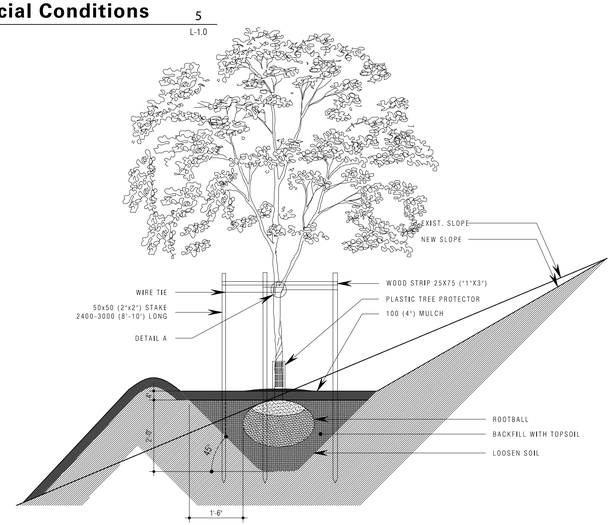
Staking for Special Conditions

NOT TO SCALE — 4 — L-1.0



Staking for Special Conditions

NOT TO SCALE — 5 — L-1.0



Staking for Special Conditions

NOT TO SCALE — 6 — L-1.0

Planting Notes

1. THE CONTRACTOR SHALL LOCATE AND VERIFY THE EXISTENCE OF ALL UTILITIES PRIOR TO STARTING WORK.
2. THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON ALL DRAWINGS.
3. ALL MATERIAL SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE CURRENT AMERICAN STANDARD FOR NURSERY STOCK, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
4. NO PLANT SHALL BE PUT INTO THE GROUND BEFORE ROUGH GRADING HASBEEN FINISHED AND APPROVED BY THE PROJECT ARCHITECT OR EQUAL.
5. ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANT'S ORIGINAL GRADE BEFORE DIGGING.
6. ALL PLANTS SHALL BE BALLED AND WRAPPED OR CONTAINER GROWN AS SPECIFIED. NO CONTAINER GROWN STOCK WILL BE ACCEPTED IF IT IS ROOT BOUND. ALL ROOT WRAPPING MATERIAL MADE OF SYNTHETICS OR PLASTICS SHALL BE REMOVED AT TIME OF PLANTING.
7. WITH CONTAINER GROWN STOCK, THE CONTAINER SHALL BE REMOVED AND THE CONTAINER BALL SHALL BE CUT THROUGH THE SURFACE IN TWO VERTICAL LOCATIONS.
8. THE DAY PRIOR TO PLANTING, THE LOCATION OF ALL TREES AND SHRUBS SHALL BE STAKED FOR APPROVAL BY THE LANDSCAPE ARCHITECT OR EQUAL.
9. ALL PLANT MATERIAL SHALL BE SELECTED AT THE NURSERIES BY THE PROJECT LANDSCAPE ARCHITECT OR EQUAL.
10. ALL PLANTS SHALL BE SPRAYED WITH AN ANTIDESSICANT WITHIN 24 HOURS AFTER PLANTING, IN TEMPERATE ZONES. ALL PLANTS SHALL BE SPRAYED WITH AN ANTIDESSICANT AT THE BEGINNING OF THEIR FIRST WINTER.
11. ALL PLANTS SHALL BE INSTALLED AS PER DETAILS AND THE CONTRACT SPECIFICATIONS.
12. ALL PLANTS AND STAKES SHALL BE SET PLUMB UNLESS OTHERWISE SPECIFIED.
13. THE LANDSCAPE CONTRACTOR SHALL PROVIDE FILL AS PER THE CONTRACT SPECIFICATIONS.
14. ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24 HOUR PERIOD AFTER PLANTING. ALL PLANTS SHALL THEN BE WATERED WEEKLY, IF NECESSARY, DURING THE FIRST GROWING SEASON.
15. THE LANDSCAPE CONTRACTOR SHALL REFER TO THE CONTRACT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
16. MULTIPLE STEMMED DECIDUOUS TREES OVER 4FT. IN HEIGHT SHALL BE STAKED WITH 2 STAKES IN SUCH A MANNER AS TO STABILIZE 2 MAINSTEMS.
17. THE WOOD STAKES SHALL BE CONSTRUCTION GRADE, ROUGH OR DRESSED, OF SOUND WOOD, DECAY RESISTANT, AND OF THE SIZE INDICATED IN THIS DRAWING.
18. THE WIRE TIES SHALL BE 12 OR 14 GAUGE GALVANIZED WIRE, AND BE PROVIDED WITH A ONE FOOT PIECE OF RUBBER HOSE PLACED TO PREVENT INJURY TO THE BARK.
19. TREE WRAPPING SHALL BE PLACED AROUND ALL TRUNKS OF DECIDUOUS TREES TWO OR MORE INCHES IN CALIPER. TREE WRAPPING SHALL EXTEND FROM GROUND LINE TO 50(2") ABOVE THE FIRST BRANCH, EACH TURN OF WRAPPING MATERIAL SHALL OVERLAP ½ THE WIDTH OF PREVIOUS TURN END WITH JUTE AT TOP, MIDDLE AND BOTTOM.
20. THE DIAMETER OF ALL PLANT PITS SHALL BE AT LEAST 2 OR 3 TIMES GREATER THAN THE BALL DIAMETER FOR BARE ROOT PLANTS. LOCATE THE ROOT BALL ON SOLID SOIL AND NOT LOOSE BACKFILL.
21. THE PIT DEPTHS SHALL COMPLY WITH THE REQUIREMENT OF THE STANDARD SPECIFICATION 625- PLANTING.
22. MULCH SHALL BE APPLIED AROUND ALL PLANT TO MINIMUM DEPTH OF 100 MM (4") OVER ENTIRE PLANT PIT. AGED SHREDDED HARDWOOD BARK, LICORICE ROOT OR AGED WOOD CHIPS CAN BE USED. ANY MULCH CONTAINING PRESERVATIVES IS UNACCEPTABLE.
23. BACKFILL WITH NATIVE SOIL UNLESS CONSIDERED UNSUITABLE IN THAT CASE FILL PIT WITH GOOD QUALITY TOPSOIL.
24. THE ENTIRE AREA OF THE PLANTING PITS SHALL BE GRADED SO THAT THE MAXIMUM SLOPE DOES NOT EXCEED 10:1 IN ANY DIRECTION.
25. TREES SHALL NOT BE PLANTED WITHIN THE CLEAR ZONE.
26. BACKFILL, TOP SOIL, CABLE OR WIRE TIES, RUBBER HOSES, STAKES AND PITS WILL BE CONSIDERED A SUBSIDIARY OBLIGATION.
27. THE CONTRACT UNIT PRICE FOR EACH OF THE PARTICULAR PAY ITEMS COVERED UNDER THE STANDARD SPECIFICATION 625-PLANTING WILL CONSTITUTE FULL COMPENSATION FOR INCIDENTALS NECESSARY TO COMPLETE THIS WORK.
28. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
29. ON SLOPES STEEPER THAN 3:1, THE FRONT CENTER OF THE PIT SHALL BE MODIFIED TO INCLUDE A "V" CUT THE FULL DEPTH OF THE PIT. THE PIT SHALL BE DUG 2" DEEPER AND BACKFILLED WITH 2" MATERIAL A-2-4 GRAVEL, DAYLIGHTED TO THE SLOPE FACE, AND CONVERED WITH FILTER FABRIC PRIOR TO BACKFILLING WITH SOIL MIXTURE.

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5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS

NO. #	DATE	ISSUING REASON

PROFESSIONAL SEAL

julián manríquez botello puerto rico
LIC: MRX DCCC III
EXP: 18.X.2025

IDENTIFICACION - COPYRIGHTS / FIRM NAME

YO, JULIÁN MANRÍQUEZ BOTELLO, LICENCIA 19802, CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ, CONFECCIONÓ Y PREPARÓ ESTOS PLANOS. / I, JULIÁN MANRÍQUEZ BOTELLO, LICENSE 19802, CERTIFY THAT I AM THE PROFESSIONAL WHO DESIGNED, PLANNED AND PREPARED THESE PLANS. CERTIFICO QUE ESTOS PLANOS CUMPLEN CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS, JUNTAS, REGLAMENTACIONES Y CÓDIGOS GUBERNAMENTALES APLICABLES. / I CERTIFY THAT THESE PLANS COMPLY WITH THE APPLICABLE CONSTRUCTION REGULATIONS AND CODES OF THE AGENCIES, BOARDS, REGULATIONS AND GOVERNMENTAL CODES THAT APPLY. CUMPLIDO CON ALMACÉN DE DATOS. / STORED IN DATA BASE. ENMENDADO. / AMENDED. MARRÓN POR LA NOCHE. / BROWN FOR THE NIGHT. LA LEY NUMERO 96 DEL 15 DE JULIO DE 1969, SEGÚN ENMENDADA, PROHIBE LA RECONOCER O DUPLICAR CUALQUIER PARTE DE ESTOS PLANOS SIN EL CONSENTIMIENTO ESCRITO DEL ARQUITECTO O INGENIERO QUE LOS PREPARÓ. / LAW NUMBER 96 OF JULY 15, 1969, AS AMENDED, PROHIBITS THE RECOGNIZE OR DUPLICATE ANY PART OF THESE PLANS WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT OR ENGINEER WHO PREPARED THEM. © 2022 DISCIPLINA RIA PARA LA ARQUITECTURA Y EL DISEÑO. TODOS LOS DERECHOS RESERVADOS. / © 2022 DISCIPLINE FOR ARCHITECTURE AND DESIGN. ALL RIGHTS RESERVED. SIN EMPLEADOS. O FOR DRAG QUEEN. ME HACEN, PR. FRIDA. LE MINISTS. / ME MAKE, PR. FRIDA. LE MINISTS. DE LA PROPIEDAD INTELECTUAL. / OF INTELLECTUAL PROPERTY. © 2022 DISCIPLINA RIA PARA LA ARQUITECTURA Y EL DISEÑO. TODOS LOS DERECHOS RESERVADOS. / © 2022 DISCIPLINE FOR ARCHITECTURE AND DESIGN. ALL RIGHTS RESERVED. SIN EMPLEADOS. O FOR DRAG QUEEN. ME HACEN, PR. FRIDA. LE MINISTS. / ME MAKE, PR. FRIDA. LE MINISTS. DE LA PROPIEDAD INTELECTUAL. / OF INTELLECTUAL PROPERTY. © 2022 DISCIPLINA RIA PARA LA ARQUITECTURA Y EL DISEÑO. TODOS LOS DERECHOS RESERVADOS. / © 2022 DISCIPLINE FOR ARCHITECTURE AND DESIGN. ALL RIGHTS RESERVED. SIN EMPLEADOS. O FOR DRAG QUEEN. ME HACEN, PR. FRIDA. LE MINISTS. / ME MAKE, PR. FRIDA. LE MINISTS. DE LA PROPIEDAD INTELECTUAL. / OF INTELLECTUAL PROPERTY.

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PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

SHEET TITLE

Planting Layout Plan & Details

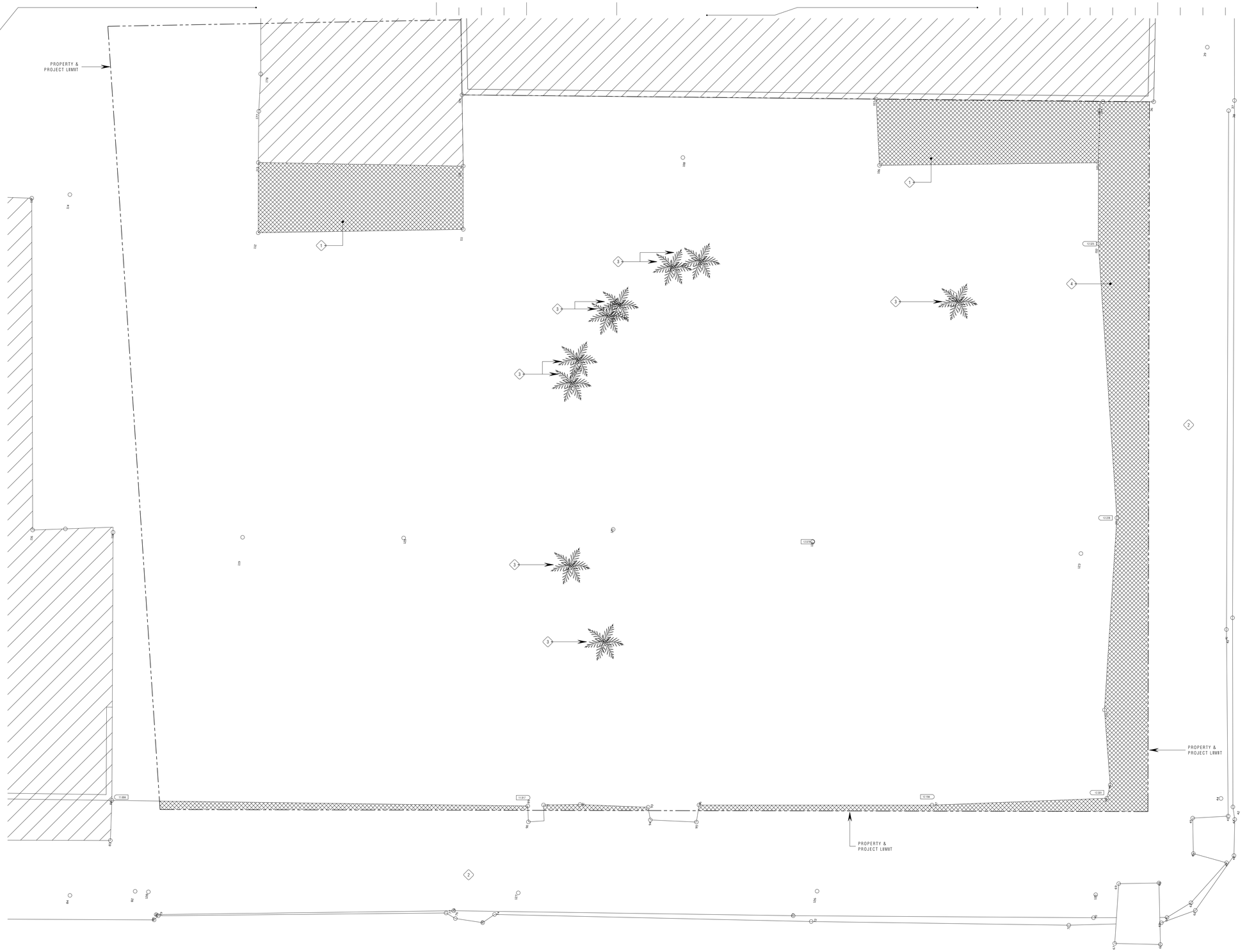
CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT # — 22-02
PROJECT PHASE — Construction Docs - 100%
SHEET # — 12
DRAWN BY — krs/jmb
DATE — 16.iv.2024

SHEET DESCRIPTION

L-1.0

BID SET January 10, 2025



Existing & Demolition Site Plan

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

Legend

- EXISTING CONSTRUCTION TO REMAIN
- WALLS TO BE DEMOLISHED
- STRUCTURAL CONCRETE WALL
- CONCRETE BLOCK WALL
- GWB. PARTITION
- ELEMENTS TO BE REMOVED
- LIMIT OF SITE IMPROVEMENTS CONTRACT
- EXISTING PALM TREE TO BE RELOCATED. FINAL LOCATION TO BE DETERMINED BY ARCHITECT.
- EXISTING BUSH TO BE REMOVED

Demolition Notes

1. EXISTING CONCRETE SLAB TO BE DEMOLISHED
2. EXISTING SIDEWALK TO REMAIN
3. EXISTING PALM TREE TO BE TRANSPLANTED. FINAL LOCATION TO BE DETERMINED BY ARCHITECT.
4. EXISTING SIDEWALK TO BE DEMOLISHED
5. EXISTING ELECTRICAL POLE - TO BE REMOVED AND DISPOSED - BURY ALL ELECTRICAL LINES

Notes:

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5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS

NO. #	DATE	ISSUING REASON
-	-	-

PROFESSIONAL SEAL

julián manríquez botello Lic. Puerto Rico
LIC: MRX 0CCC III
EXP: 18.X.2025

CERTIFICACIÓN - CERTIFICATE - FIRM NAME

YO, JULIÁN MANRÍQUEZ BOTELLO, LICENCIA 19882, CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ CONFECCIONÓ Y PREPARÓ ESTOS PLANOS Y ESPECIFICACIONES, QUE ESTOS PLANOS Y PAM-CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPE- CACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTE DE LAS AGENCIAS, JUNTAS, REGLAMENTACIONES O CUMPL- RACIONES PÚBLICAS CON JURISDICCIÓN SOBRE ESTA OBRA. TEN- CIA Y, EN CASO CONTRARIO, ESTOS PLANOS Y ESPECIFICA- CIONES SE HA CUMPLIDO CA ALMENTE MODIFICADO O ENMENDADO, CONSIDERA- CIÓN PARA LA EMISIÓN POR LA AGEN- CIA CORRESPONDIENTE DE UN ENDOSO O CERTIFICADO DE LA LEY NUMERO 96 DEL 5 DE JULIO DE 1975 RECONOCIDO DU CUALQUIER NATURALEZA QUE SEA NECESARIO PARA LA CONSTRUCCIÓN DE ESTA OBRA. CAMBIO O POR NEGLIGEN- CIA DE UNO O MÁS EMPLEADOS, O POR OTRO MOTIVO, NO PODRÁ USARSE EL PRESENTE CERTIFICADO CON RELACIÓN A CUALQUIER OTRA OBRA QUE NO SEA LA DESCRITA EN ESTE DOCUMENTO. ME HACEN RESPONSABLE POR CUALQUIER ACCIÓN NEGLIGENTE O DOLOSA DE MI PARTE, INCLUYENDO PERO NO LIMITADO A CUALQUIER DAÑO O PÉRDIDA QUE RESULTE DIRECTA O INDIRECTAMENTE DE DICHA ACCIÓN. ESTOY DISPUESTO A RESPONDER POR CUALQUIER DAÑO QUE SE CAUSE A TERCEROS COMO RESULTADO DE MI NEGLIGENCIA O ACCIÓN DOLOSA EN LA PREPARACIÓN DE ESTOS PLANOS Y ESPECIFICACIONES. ESTOY DISPUESTO A PROVEER EVIDENCIA DE SEGURO DE RESPONSABILIDAD PROFESIONAL CUANDO SEA REQUERIDO POR LA AGENCIA CORRESPONDIENTE. ESTOY DISPUESTO A PROVEER EVIDENCIA DE SEGURO DE RESPONSABILIDAD PROFESIONAL CUANDO SEA REQUERIDO POR LA AGENCIA CORRESPONDIENTE.

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STUDIO

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PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

SHEET TITLE

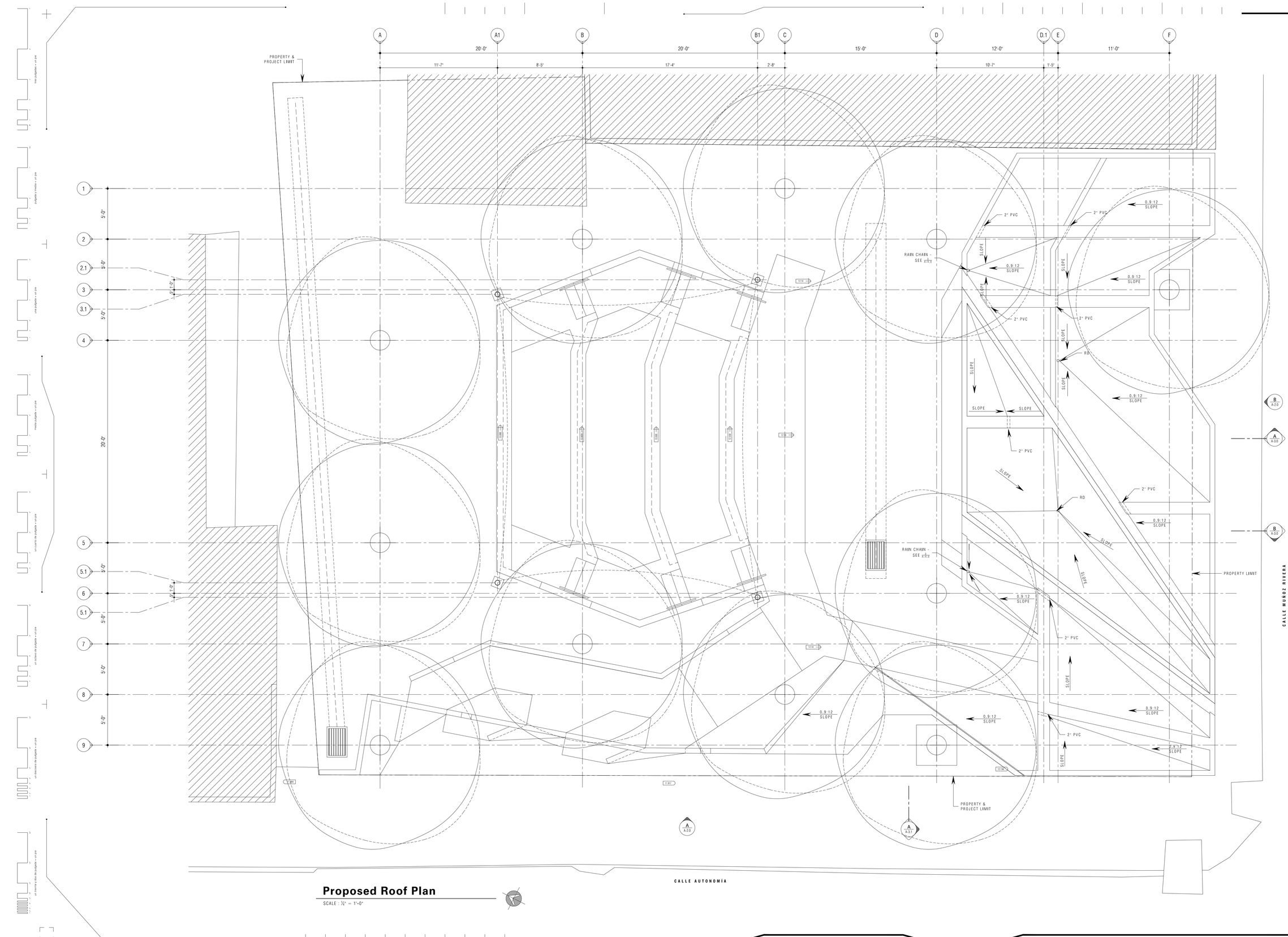
Existing & Demolition Plan

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT # 22-02
PROJECT PHASE Construction Docs - 100%
SHEET # 13
DRAWN BY krs/jmb
DATE 25.vi.2024

SHEET NUMBER **ED-1.0**

BID SET January 10, 2025



Proposed Roof Plan

SCALE : 3/32" = 1'-0"

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REVISIONS

REV. #	DATE	ISSUING REASON
-	-	-

PROFESSIONAL SEAL

YO, JULIÁN MANRIQUEZ BOTELLO, LICENCIA 19802, CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ, CONFECCIONÓ Y PREPARÓ ESTOS PLANOS Y ESPECIFICACIONES, QUE CONSISTEN DE UN TOTAL DE ____ HOJAS, CERTIFICO QUE ESTOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES EN LAS AGENCIAS, JUNTAS, REGLAMENTACIONES Y COMPAÑÍAS PÚBLICAS CON JURISDICCIÓN SOBRE LA INSTALACIÓN DE LOS SISTEMAS, EQUIPOS Y MATERIALES QUE ESTOS PLANOS Y ESPECIFICACIONES INDICAN QUE SERÁN INSTALADOS. CUMPLIDO CON ALMACENES DE LA INDUSTRIA, ENMIENDAS, CANCELACIONES, INVERSIONES POR LA INDUSTRIA, LA LEY NUMERO 96 DEL 5 DE JULIO DE 1985, SEGÚN ENMENDADA, RECONOZCO EN CUALQUIER ALTERACIÓN A ESTOS PLANOS O DISEÑOS SIN EL CONSENTIMIENTO POR ESCRITO Y POR ADELANTADO DE LOS MISMOS, ME HACEN AL FIRMA LA ALTERACIÓN, DISCIPLINA MA PARA LA ALTERACIÓN, ESTARÁN LISTOS, NO SIRVEN, A MENOS QUE SE INDIQUE LO CONTRARIO POR ESCRITO Y ACEPTADO POR MÍ. ESTOS DISEÑOS, PLANOS Y ESPECIFICACIONES SON PROPIEDAD INTELECTUAL DE in.formation studio Y NO SE DEBEN USAR EN NINGÚN PROYECTO SIN EL CONSENTIMIENTO POR ESCRITO DE in.formation studio.

Lic. julián manriquez botello Puerto Rico

LIC: MRX DCCC III
EXP: 18.X.2025

IDENTIFICACIÓN - CERTIFICATE - FIRM NAME

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PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

DWG. TITLE

Proposed Site Plan

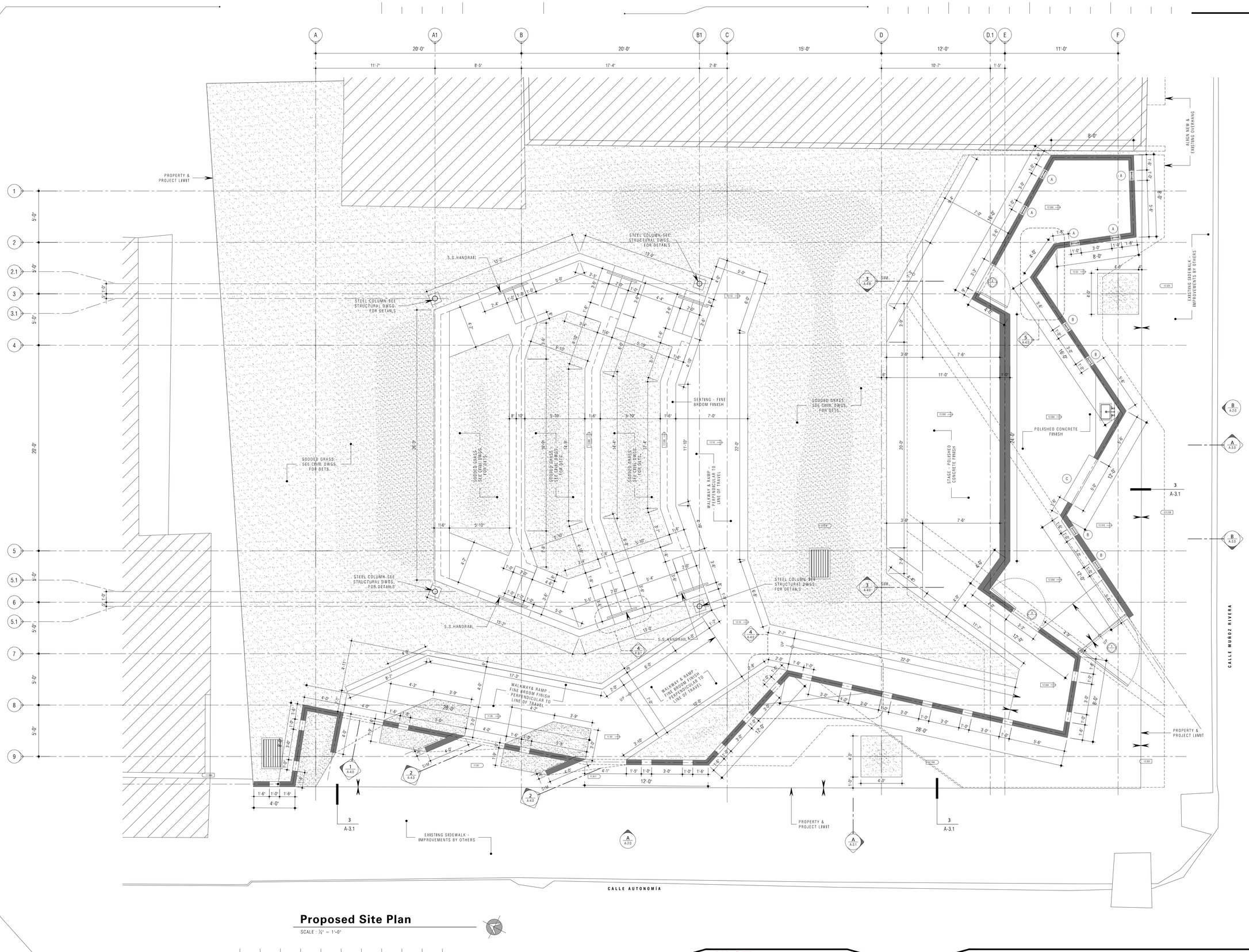
CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT #	PROJECT PHASE
22-02	Construction Docs - 100%
SHEET #	DRAWN BY / DATE
14	krs/jmb 25.vi.2024

DISCIPLINE

AS-1.0

BID SET January 10, 2025



Proposed Site Plan

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

BID SET January 10, 2025

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REVISIONS

REV. #	DATE	ISSUING REASON

PROFESSIONAL SEAL

YO, JULIÁN MANRIQUEZ BOTELLO, LICENCIA 19802, CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ CONFECCIONÓ Y PREPARÓ ESTOS PLANOS. CERTIFICO QUE ESTOS PLANOS CUMPLEN CON EL CÓDIGO DE CONSTRUCCIÓN VIGENTE Y DEMÁS REGLAMENTACIONES APLICABLES. CERTIFICO QUE ESTOS PLANOS CUMPLEN CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTE DE LAS AGENCIAS, JUNTAS, REGLAMENTACIONES Y CUMPLIMIENTOS GUBERNAMENTALES APLICABLES. CERTIFICO QUE ESTOS PLANOS CUMPLEN CON LA LEY NÚMERO 96 DEL 5 DE JULIO DE 1985, CONOCIDA COMO LA "LEY DE INSTALACIONES ELÉCTRICAS DE PUERTO RICO". CERTIFICO QUE ESTOS PLANOS CUMPLEN CON LA NORMA DE ACCESIBILIDAD PARA PERSONAS CON IMPEDIMENTOS FÍSICOS, SEGÚN ESTABLECIDO EN LA LEY NÚMERO 119 DEL 30 DE JUNIO DE 1977, CONOCIDA COMO LA "LEY PARA GARANTIZAR EL DERECHO DE LAS PERSONAS CON IMPEDIMENTOS FÍSICOS A UTILIZAR CUALQUIER FACILIDAD PÚBLICA", SEGÚN ENMENDADA. CERTIFICO QUE ESTOS PLANOS CUMPLEN CON LA NORMA DE ACCESIBILIDAD PARA PERSONAS CON IMPEDIMENTOS FÍSICOS, SEGÚN ESTABLECIDO EN LA LEY NÚMERO 119 DEL 30 DE JUNIO DE 1977, CONOCIDA COMO LA "LEY PARA GARANTIZAR EL DERECHO DE LAS PERSONAS CON IMPEDIMENTOS FÍSICOS A UTILIZAR CUALQUIER FACILIDAD PÚBLICA", SEGÚN ENMENDADA. CERTIFICO QUE ESTOS PLANOS CUMPLEN CON LA NORMA DE ACCESIBILIDAD PARA PERSONAS CON IMPEDIMENTOS FÍSICOS, SEGÚN ESTABLECIDO EN LA LEY NÚMERO 119 DEL 30 DE JUNIO DE 1977, CONOCIDA COMO LA "LEY PARA GARANTIZAR EL DERECHO DE LAS PERSONAS CON IMPEDIMENTOS FÍSICOS A UTILIZAR CUALQUIER FACILIDAD PÚBLICA", SEGÚN ENMENDADA. CERTIFICO QUE ESTOS PLANOS CUMPLEN CON LA NORMA DE ACCESIBILIDAD PARA PERSONAS CON IMPEDIMENTOS FÍSICOS, SEGÚN ESTABLECIDO EN LA LEY NÚMERO 119 DEL 30 DE JUNIO DE 1977, CONOCIDA COMO LA "LEY PARA GARANTIZAR EL DERECHO DE LAS PERSONAS CON IMPEDIMENTOS FÍSICOS A UTILIZAR CUALQUIER FACILIDAD PÚBLICA", SEGÚN ENMENDADA. CERTIFICO QUE ESTOS PLANOS CUMPLEN CON LA NORMA DE ACCESIBILIDAD PARA PERSONAS CON IMPEDIMENTOS FÍSICOS, SEGÚN ESTABLECIDO EN LA LEY NÚMERO 119 DEL 30 DE JUNIO DE 1977, CONOCIDA COMO LA "LEY PARA GARANTIZAR EL DERECHO DE LAS PERSONAS CON IMPEDIMENTOS FÍSICOS A UTILIZAR CUALQUIER FACILIDAD PÚBLICA", SEGÚN ENMENDADA.

Lic: MRK DCCC 19
EXP: 18 X 2025

julián manriquez botello
Puerto Rico

IDENTIFICACIÓN - EQUIPO/ESTE - FIRM NAME

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PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

DWG. TITLE

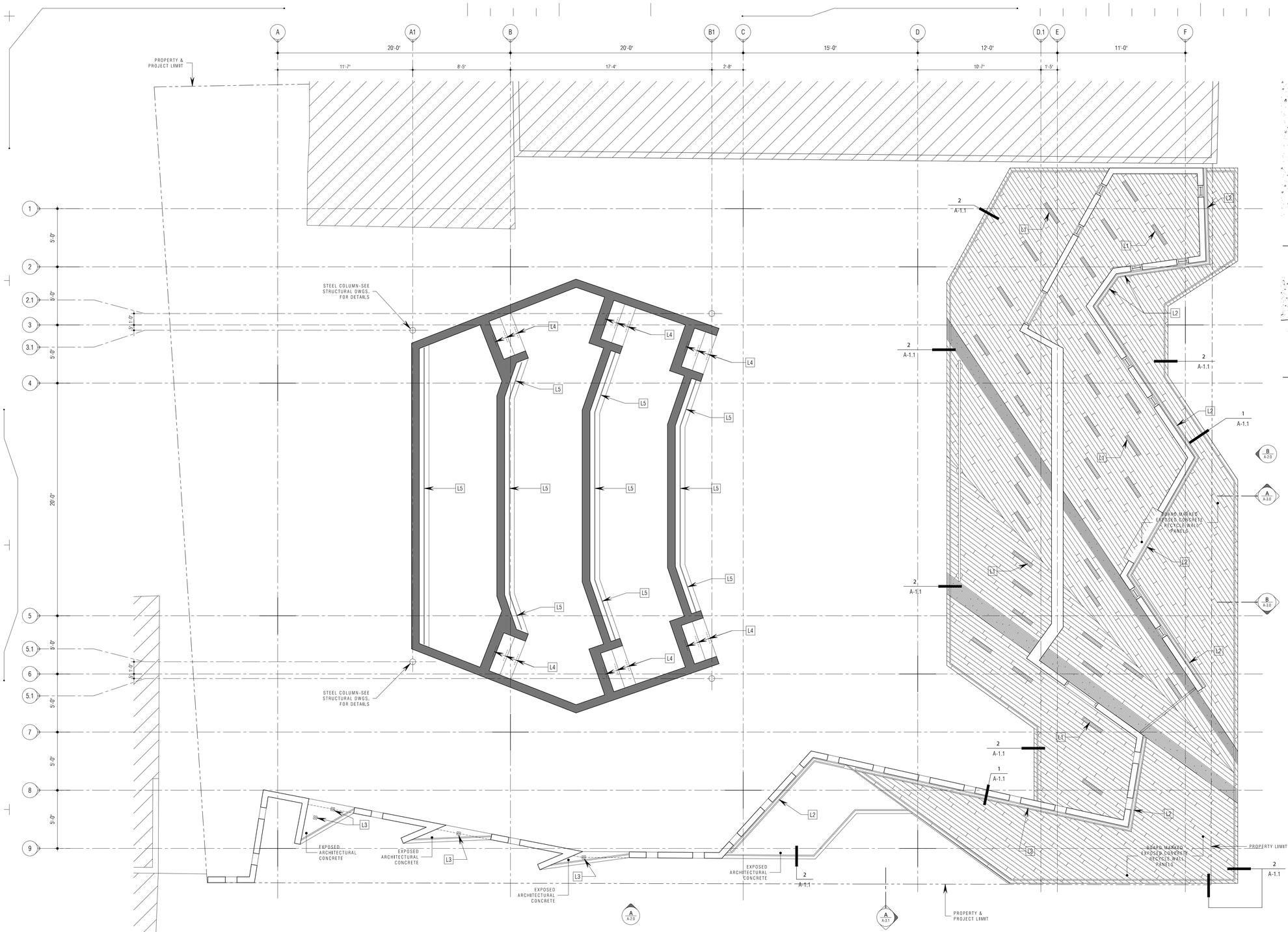
Proposed Layout Plan

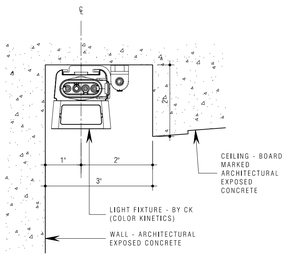
CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT #	PROJECT PHASE
22-02	Construction Docs - 100%
SHEET #	DRAWN BY / DATE
15	krs/jmb 25.vi.2024

DRAWING

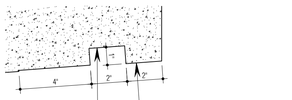
A-1.0





Fixture Detail 1

SCALE : 6" = 1'-0" A-1.1



Drip Detail 2

SCALE : 6" = 1'-0" A-1.1

Reflected Ceiling Plan

SCALE : ¼" = 1'-0"

General Notes

1. CONTRACTOR SHALL RECYCLE ALL LAMINATED BOARDS USED DURING WALL CONSTRUCTION.
2. THE CONTRACTOR SHALL CUT 4" STRIPS, AT RANDOM LENGTHS, NON OF WHICH CAN BE THE PANEL LENGTH.
3. ALL MATERIAL TO BE RECYCLES, SHALL NOT BE CLEANED OF ANY CEMENT BUT WILL BE SELECTED TO FROM ANY DINGS AND/OR SEVERE WARPING.
4. CONTRACTOR SHALL PROTECT ALL RECYCLED MATERIAL AS NOT HAVE TO PURCHASE ANY ADDITIONAL MATERIAL.

LIGHT FIXTURE SCHEDULE			
ID	DESCRIPTION	LOCATION	QTY
L-1	4'x24' FIXTURE	CEILING	33
L-2	GRAZE COMPACT POWERCORE - BY COLOR KINETICS	CEILING - ALONG EXT. WALL - SEE PLAN FOR DET.	104 L.F.
L-3	4'X4' FIXTURE	CEILING -ENTRANCES	4
L-4	EMBEDDED FIXTURE	RISERS	18
L-5	UNDER MOUNTED	UNDER CONC. SEATS	100 L.F.

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REVISIONS

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-	-	-

PROFESSIONAL SEAL

julián manríquez botello fi.c.
LIC: MRX 0CCC III
EXP: 18.X.2025

IDENTIFICACION - SIGNATURES - FIRM NAME

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PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

DWG. TITLE

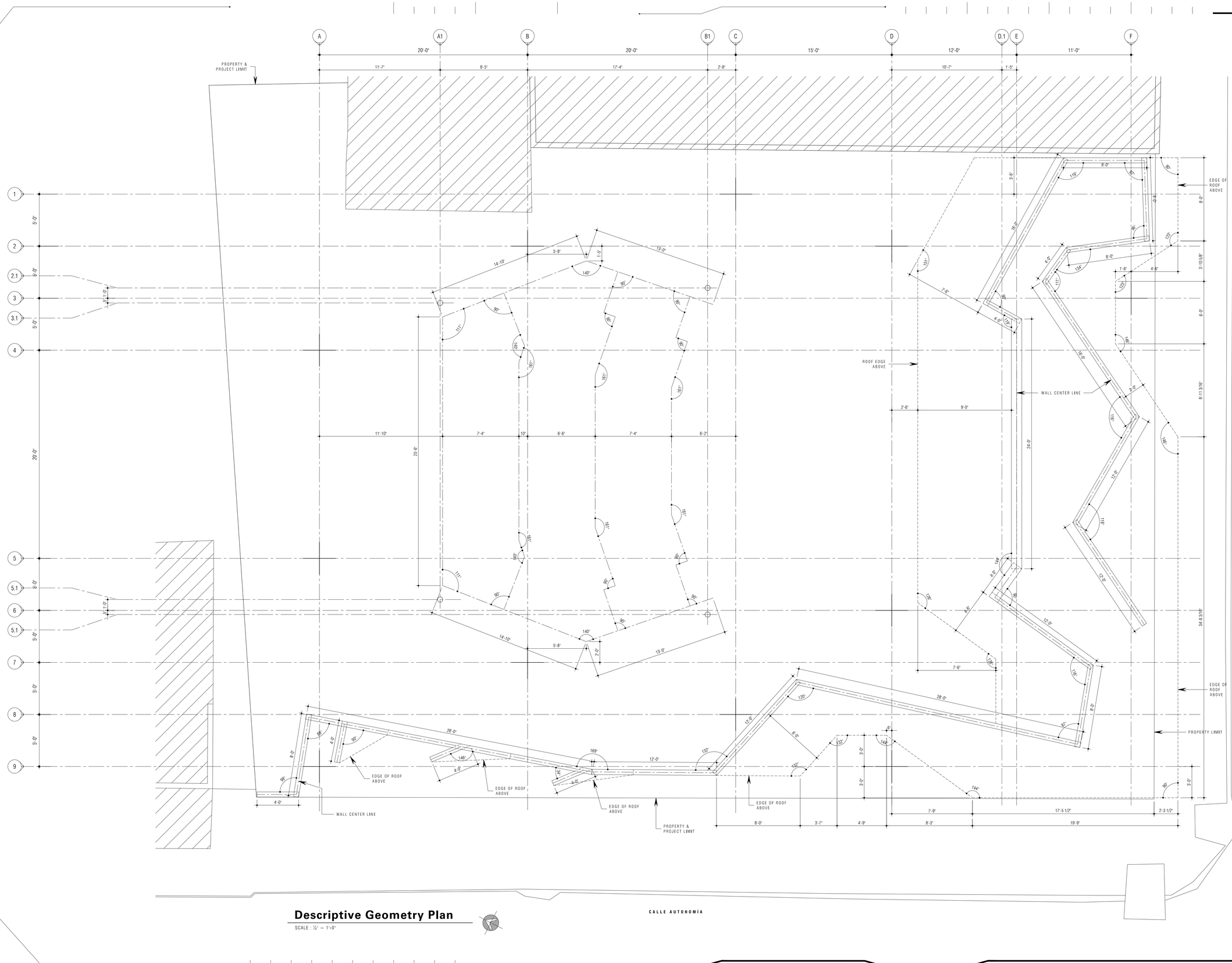
Reflected Ceiling & Lighting Layout Plan

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT # 22-02
PROJECT PHASE Construction Docs - 100%
SHEET # 16
DRAWN BY krs/jmb
DATE 25.vi.2024
DISCIPLINE

A-1.1

BID SET January 10, 2025



Descriptive Geometry Plan

SCALE : ¼" = 1'-0"

BID SET January 10, 2025

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PROFESSIONAL SEAL

julián manríquez botello puerto rico

LIC: MRX 0CCC III
EXP: 18 X 2025

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PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

DWG. TITLE

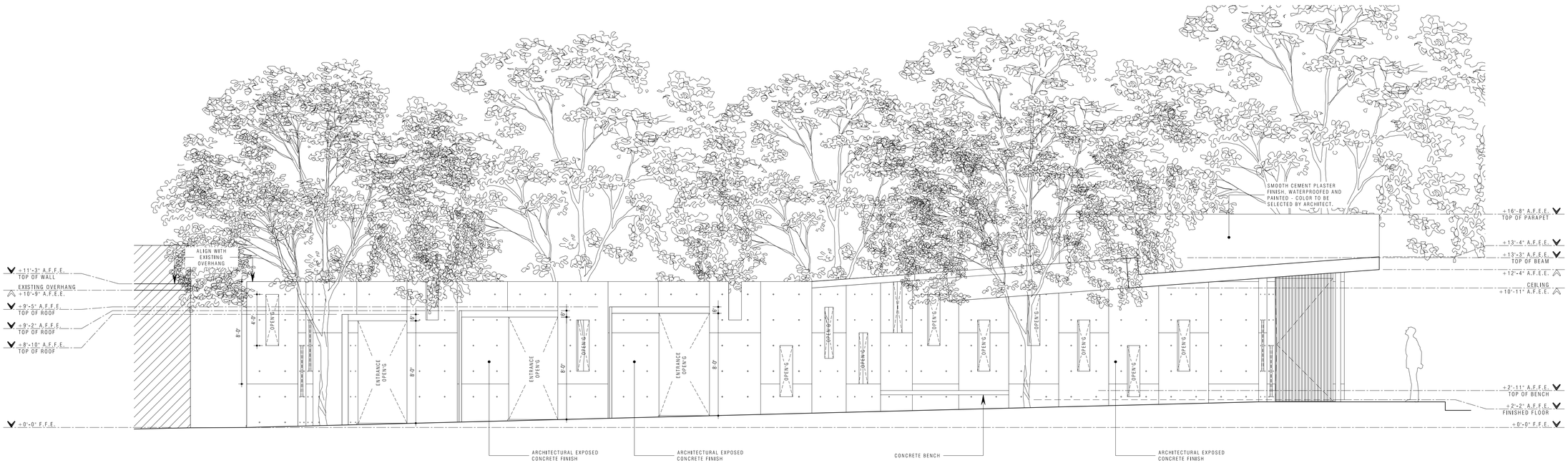
Descriptive Geometry Plan

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT #	PROJECT PHASE
22-02	Construction Docs - 100%
SHEET #	DRAWN BY / DATE
17	krs/jmb 25.vi.2024

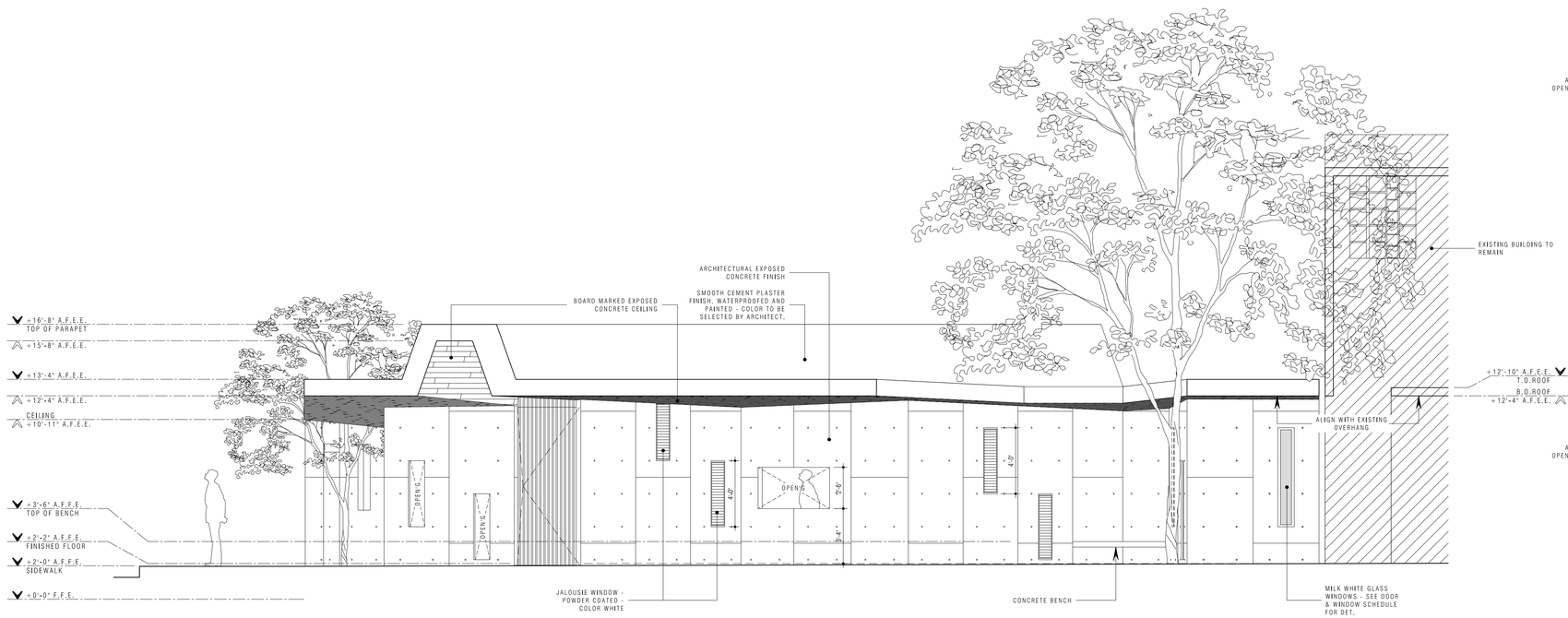
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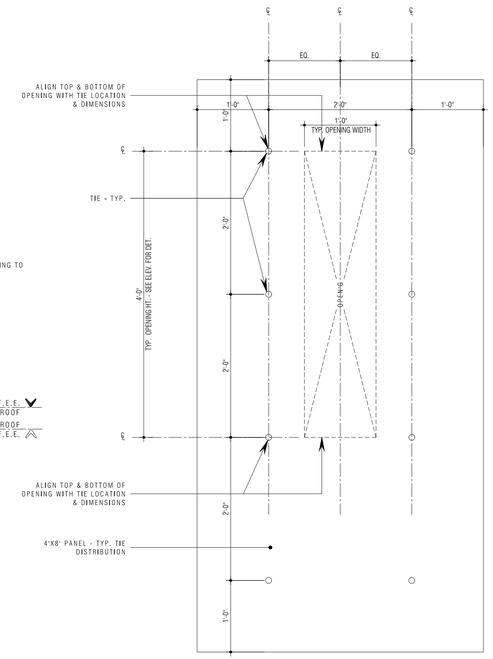
West Elevation A

SCALE : ¼" = 1'-0" A-2.0



South Elevation B

SCALE : ¼" = 1'-0" A-2.0



Typ. Panel & Opening Placement C

SCALE : ¼" = 1'-0" A-2.0

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REVISIONS

REV. #	DATE	ISSUING REASON
-	-	-

PROFESSIONAL SEAL

LIC: MRX DCCC 38
EXP: 18.X.2025

CERTIFICACION - CERTIFICATE - FIRM NAME

YO, JULIÁN MANRIQUEZ BOTELLO, LICENCIA 19862, CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑO CONFECCIONO Y PREPARO ESTOS PLANOS Y CERTIFICO QUE ESTOS PLANOS CUMPLEN CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CODIGOS DE CONSTRUCCION VIGENTE DE LAS AGENCIAS, JUNTAS, REGLAMENTACIONES O CUMPLEN CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CODIGOS DE CONSTRUCCION VIGENTE DE LAS AGENCIAS, JUNTAS, REGLAMENTACIONES O CUMPLIDO CA ALMIRET TEL.: ESTOS PLANOS Y ESPECIFICACIONES NO PUEDEN SER USADOS, REPRODUCIDOS O DIVULGADOS PARA LA FECHA INDICADA A CONTINUACION SIN MI AUTORIZACION POR ESCRITO. CUALQUIER USO NO AUTORIZADO, REPRODUCCION O DIVULGACION SIN MI AUTORIZACION POR ESCRITO ES ILEGAL Y ESTARA SUJETO A ACCION LEGAL. NO SHALL BE USED FOR ANY PURPOSE OTHER THAN THE SPECIFIC PROJECT HEREIN. © 2025 - ANY TOTAL, PARTIAL REPRODUCTION OF USE OF THIS DOCUMENT OR THE INFORMATION CONTAINED HEREIN IS STRICTLY PROHIBITED WITHOUT PRIOR WRITTEN CONSENT AND ALL BE HELD LIABLE BY LAW.

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PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

SHEET TITLE

Elevations & Details

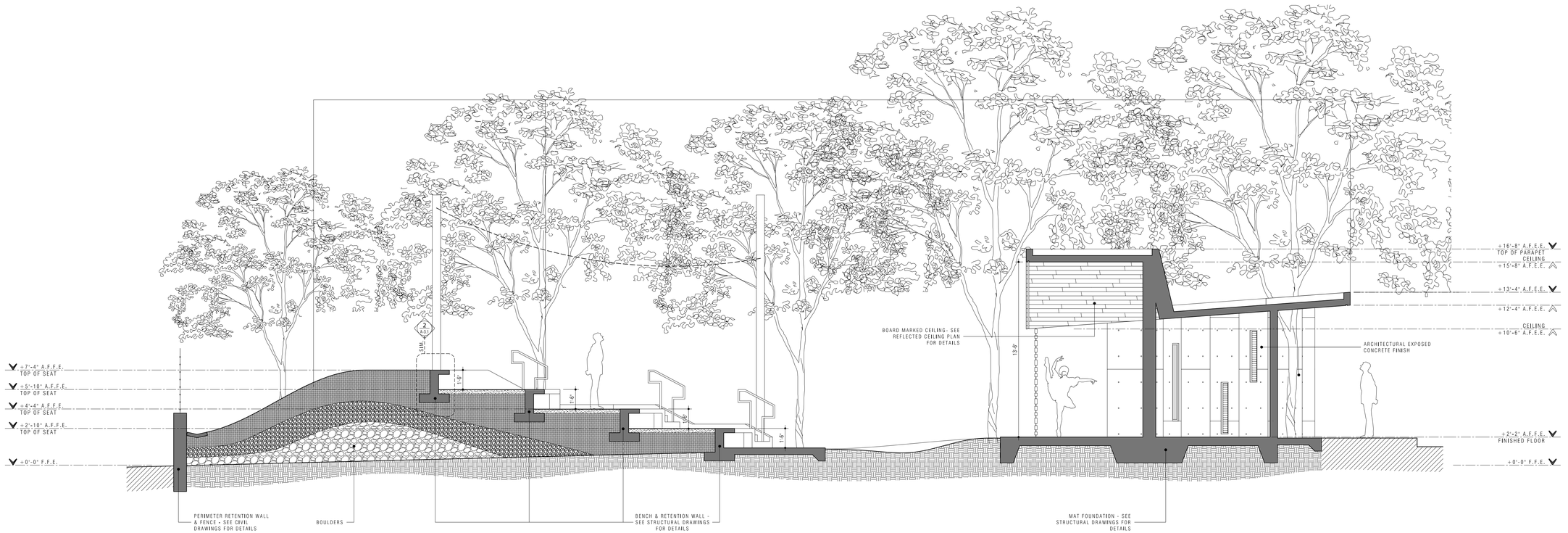
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Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT #	PROJECT PHASE
22-02	Construction Docs - 100%
SHEET #	DRAWN BY / DATE
18	krs/jmb 25.vi.2024

DESCRIPTION

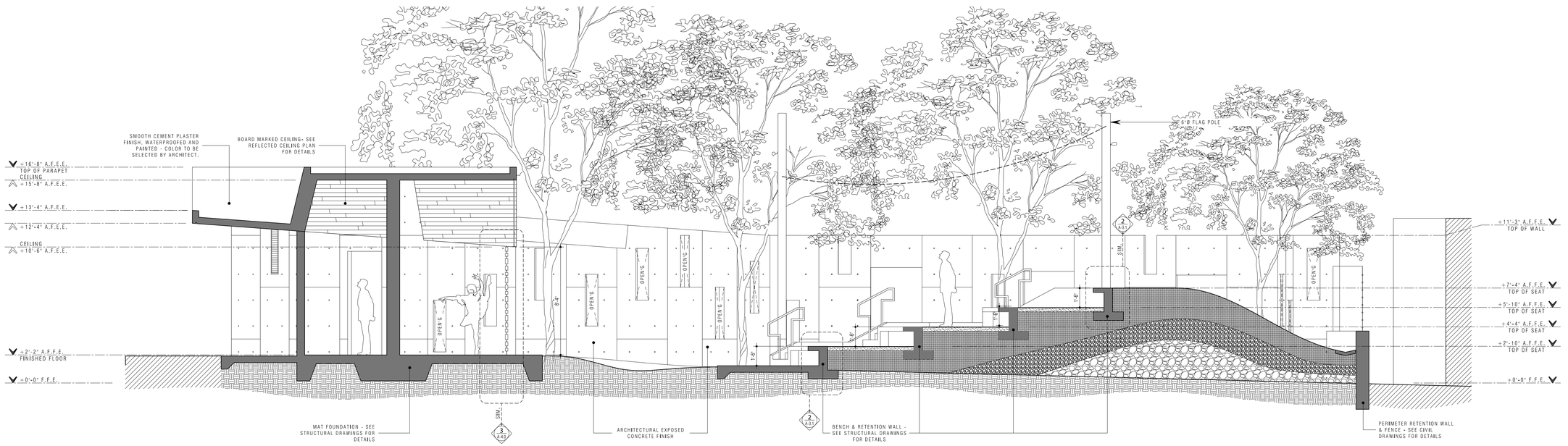
A-2.0

BID SET January 10, 2025



Section A

SCALE : ¼" = 1'-0" A-3.0



Section B

SCALE : ¼" = 1'-0" A-3.0

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PROFESSIONAL SEAL

julián manríquez botello puerto rico

LIC: MRX 0CCC 18
EXP: 18.X.2025

CERTIFICACIÓN - CERTIFICATE / FIRM NAME

YO, JULIÁN MANRÍQUEZ BOTELLO, LICENCIA 19802, CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ, CONFECCIONÓ Y PREPARÓ ESTOS PLANOS. I, JULIÁN MANRÍQUEZ BOTELLO, LICENSE 19802, CERTIFY THAT I AM THE PROFESSIONAL WHO DESIGNED, PREPARED AND CONFECTIONED THESE PLANS. CERTIFICO QUE ESTOS PLANOS CUMPLEN CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES EN LAS AGENCIAS CON JURISDICCIÓN SOBRE LA OBRA. I CERTIFY THAT THESE PLANS COMPLY WITH THE APPLICABLE REGULATIONS AND CONSTRUCTION CODES IN FORCE AT THE AGENCIES WITH JURISDICTION OVER THE WORK. RACIONES PÚBLICOS CON JURISDICCIÓN SOBRE LA OBRA. CERTIFICO QUE ESTOS PLANOS Y ESPECIFICACIONES HAN SIDO PREPARADOS, CUMPLIDO CON ALMENOS LOS REQUISITOS MÍNIMOS ESTABLECIDOS EN LA LEY NÚMERO 96 DEL 15 DE JULIO DE 1978, SEGÚN ENMENDADA, CONOCIDA COMO LA "LEY DE PRÁCTICA DE LA INGENIERÍA Y DE LA ARQUITECTURA", Y CON EL REGLAMENTO PARA EL EJERCICIO DE LA PROFESIÓN DE LA INGENIERÍA Y DE LA ARQUITECTURA EMITIDO POR LA JUNTA EXAMINADORA DE INGENIEROS, ARQUITECTOS Y AGRIMENSORES DE PUERTO RICO. I CERTIFY THAT THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED, COMPLIED WITH AT LEAST THE MINIMUM REQUIREMENTS ESTABLISHED IN LAW NUMBER 96 OF JULY 15, 1978, AS AMENDED, KNOWN AS THE "LAW OF PRACTICE OF ENGINEERING AND ARCHITECTURE", AND WITH THE REGULATION FOR THE EXERCISE OF THE PROFESSION OF ENGINEERING AND ARCHITECTURE ISSUED BY THE BOARD OF EXAMINERS OF ENGINEERS, ARCHITECTS AND LANDSCAPE ARCHITECTS OF PUERTO RICO. ESTOS PLANOS Y ESPECIFICACIONES FUERON PREPARADOS, CUMPLIDO CON ALMENOS LOS REQUISITOS MÍNIMOS ESTABLECIDOS EN LA LEY NÚMERO 96 DEL 15 DE JULIO DE 1978, SEGÚN ENMENDADA, CONOCIDA COMO LA "LEY DE PRÁCTICA DE LA INGENIERÍA Y DE LA ARQUITECTURA", Y CON EL REGLAMENTO PARA EL EJERCICIO DE LA PROFESIÓN DE LA INGENIERÍA Y DE LA ARQUITECTURA EMITIDO POR LA JUNTA EXAMINADORA DE INGENIEROS, ARQUITECTOS Y AGRIMENSORES DE PUERTO RICO. THESE PLANS AND SPECIFICATIONS WERE PREPARED, COMPLIED WITH AT LEAST THE MINIMUM REQUIREMENTS ESTABLISHED IN LAW NUMBER 96 OF JULY 15, 1978, AS AMENDED, KNOWN AS THE "LAW OF PRACTICE OF ENGINEERING AND ARCHITECTURE", AND WITH THE REGULATION FOR THE EXERCISE OF THE PROFESSION OF ENGINEERING AND ARCHITECTURE ISSUED BY THE BOARD OF EXAMINERS OF ENGINEERS, ARCHITECTS AND LANDSCAPE ARCHITECTS OF PUERTO RICO.

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PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

SHEET TITLE

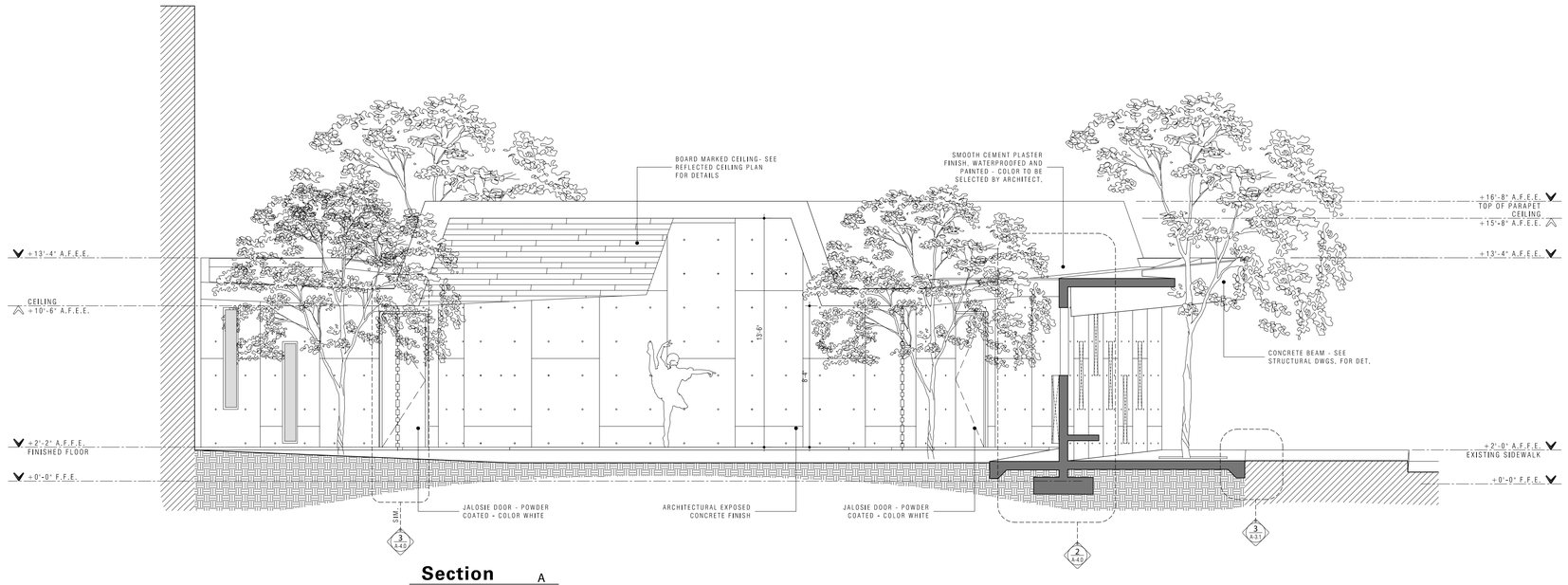
Sections

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT #	PROJECT PHASE
22-02	Construction Docs - 100%
SHEET # 19	DRAWN BY krs/jmb
DESCRIPTION	DATE 25.vi.2024

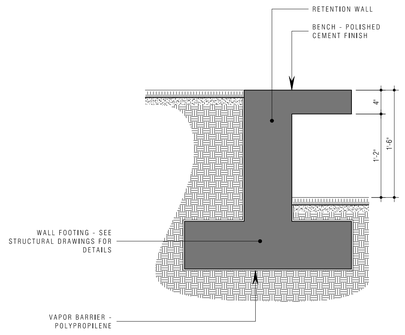
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BID SET January 10, 2025



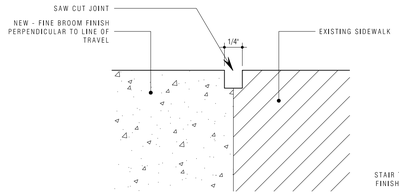
Section A

SCALE : ¼" = 1'-0" A-3.1



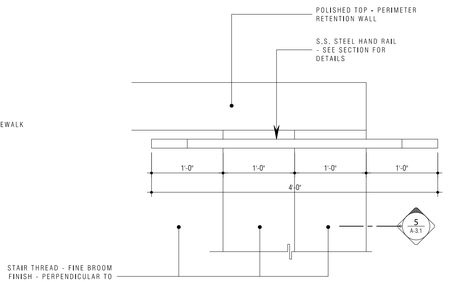
Detail 2

SCALE: 1" = 1'-0" A-3.1



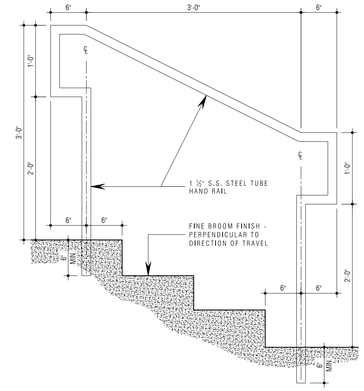
Detail 3

SCALE: 6" = 1'-0" A-3.1



Handrail Det. 4

SCALE: 1" = 1'-0" A-3.1



Handrail Det. 5

SCALE: 1" = 1'-0" A-3.1

Notes:

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4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.

5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS

REV. #	DATE	ISSUING REASON
-	-	-

PROFESSIONAL SEAL

julián manríquez botello puerto rico

LIC: MRX 0CCC 18
EXP: 18.X.2025

CERTIFICACIÓN - CERTIFICATE - FIRM NAME

YO, JULIÁN MANRÍQUEZ BOTELLO, LICENCIA 19802, CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ, CONFECCIONÓ Y PREPARÓ ESTOS PLANOS. Y, BAJO MI RESPONSABILIDAD PROFESIONAL, CERTIFICO QUE ENTIENDO QUE ESTOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTE DE LAS AGENCIAS, JUNTAS, REGLAMENTACIONES O COMPAÑÍAS PÚBLICAS CON JURISDICCIÓN SOBRE ESTE PROYECTO. POR TAL RAZÓN, DE ESTOS PLANOS Y ESPECIFICACIONES CUMPLIDO CIA ALMACENES SER UTILIZADOS EN LA CONSTRUCCIÓN DIMENSIONES, CANTIDADES, ETC. EN SU TOTALIDAD, PARA LA INVERSIÓN POR LA INDICADA EN LA LEY NUMERO 96 DEL 5 DE JULIO DE 1975, SEGÚN ENMENDADA. RECONOZCO QUE CUALQUIER ALTERACIÓN A ESTOS PLANOS SIN EL CONSENTIMIENTO DE LOS ARQUITECTOS AUTORIZADOS, MS. MAS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS QUE NO SEAN CONOCIMIENTO Y ME HAGAN RESPONSABLE POR CUALQUIER ACCIÓN N. BADGAL Y DISCIPLINA RAMA LA ARQUITECTURA, ENTRE OTRAS. ESTARÉ LIBRE DE RESPONSABILIDAD EFF. Y ACT. INJUNCIÓN, O CUALQUIER OTRA ACCIÓN LEGAL. NO SPHILL AS A REFERENCE DOCUMENTS MINTS AGENCY REQUIREMENTS. ONLY BY NORMA PROFESSIONAL SEAL THE ORIGINAL SIGNED PROJECT HERON. DATE

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STUDIO

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Carolina, PR. 00979 - Office Tel. +1 (787) 236-0939
e-mail: info@formationstudio.com

PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

DWG. TITLE

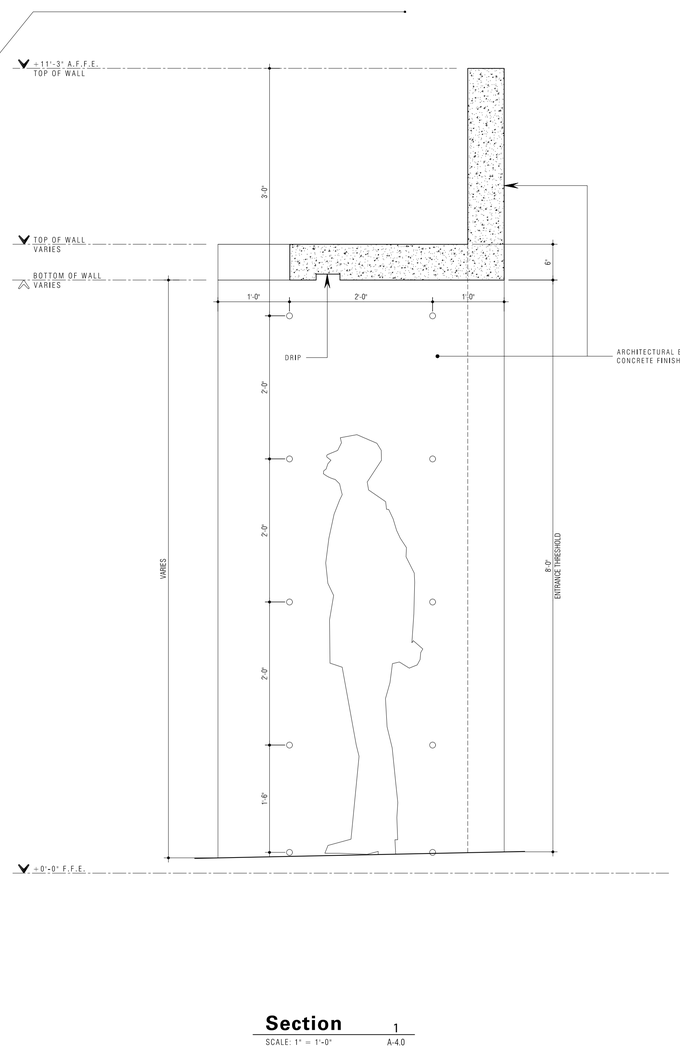
Sections & Details

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

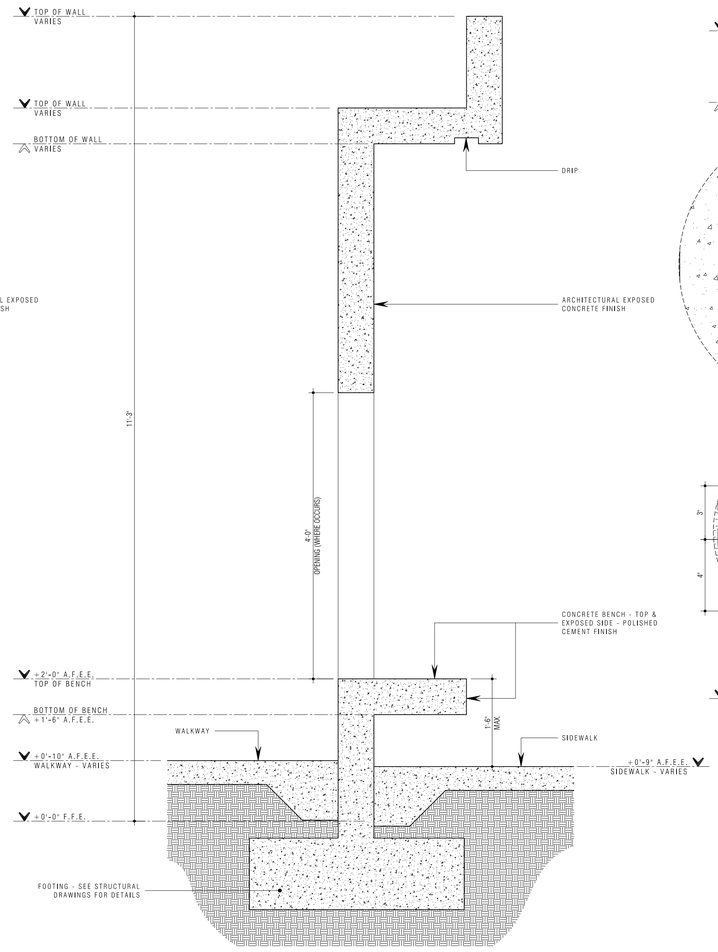
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PROJECT PHASE: Construction Docs - 100%
SHEET #: 20
DRAWN BY: krs/jmb
DATE: 25.vi.2024
DISCIPLINE

A-3.1

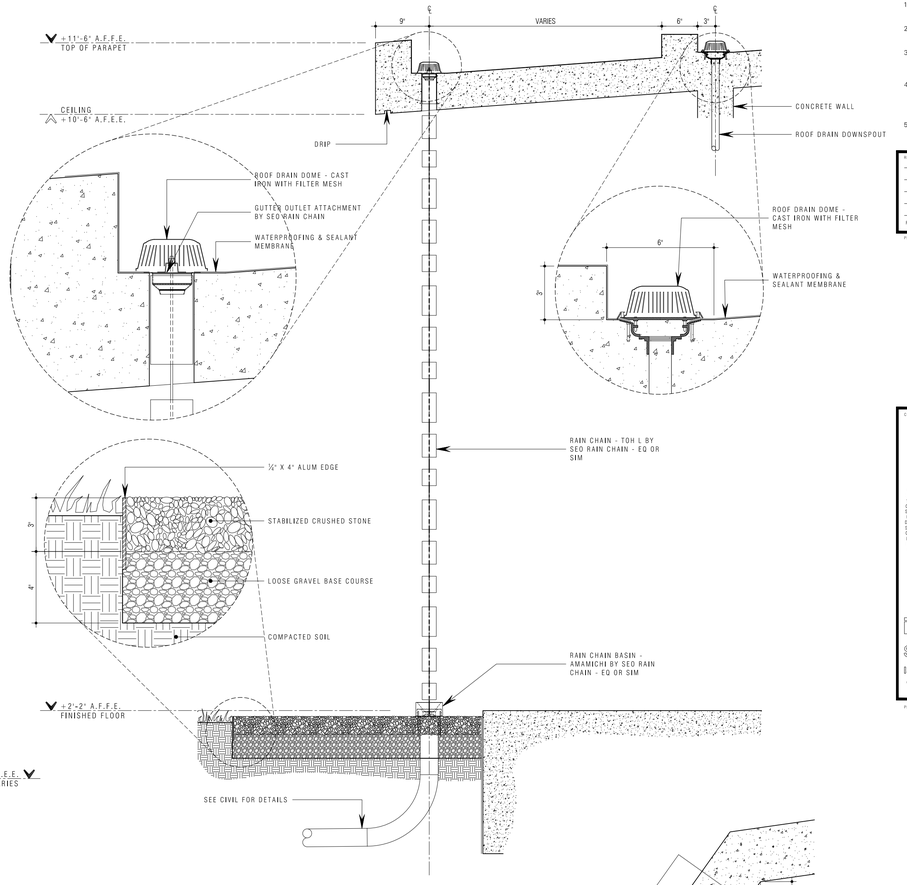
BID SET January 10, 2025



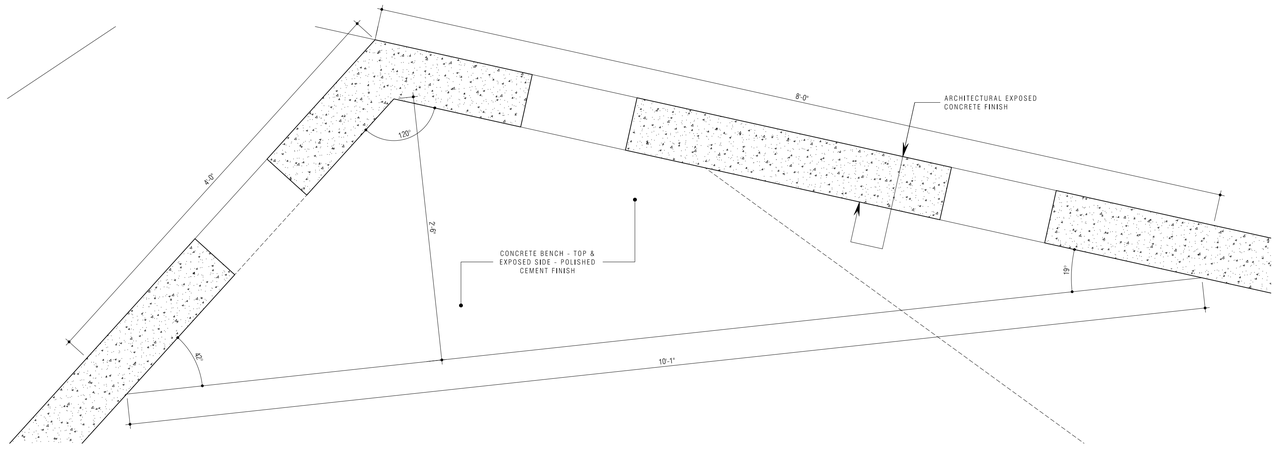
Section 1
SCALE: 1" = 1'-0" A-4.0



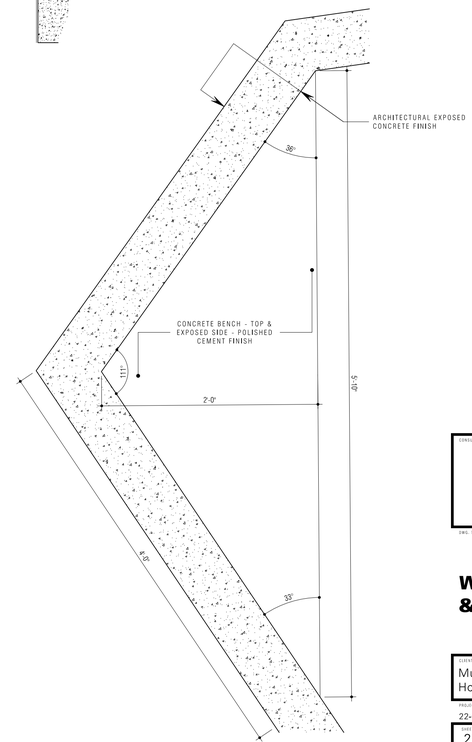
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SCALE: 1" = 1'-0" A-4.0



Section 3
SCALE: 1" = 1'-0" A-4.0



Bench Detail 4
SCALE: 1½" = 1'-0" A-4.0



Bench Detail 5
SCALE: 1½" = 1'-0" A-4.0

Notes:

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5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS

REV. #	DATE	ISSUING REASON

PROFESSIONAL SEAL



CERTIFICACION / CERTIFICATE / FIRM NAME

YO, JULIÁN MANRÍQUEZ BOTELLO, LICENCIA 19892, CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ, CONFECCIONÓ Y PREPARÓ ESTOS PLANOS Y QUE LOS MISMOS CUMPLEN CON EL CÓDIGO VIGENTE. CERTIFICO, QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTE QUE LAS AGENCIAS, JUNTAS, REGLAMENTADORAS O COMPAÑÍAS PÚBLICAS CON JURISDICCIÓN EN LA MATERIA PARA LA CUAL ESTOY CERTIFICANDO CUMPLEN CON LAS NORMAS Y REGLAMENTACIONES VIGENTES. CERTIFICO QUE LOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LA NORMATIVA VIGENTE

DOOR SCHEDULE

DOOR MKD.	TYPE	DOOR						
		NO. OF LEAVES	ACTIVE LEAF	SEE EACH LEAF (SEE NOTE 4)	MATERIAL	DOOR FINISH	FRAME FINISH	REMARKS
1	CEAMD	1	LH	V.I.F.	ALUMINUM	POWDER COATED - WHITE	POWDER COATED - WHITE	SUPPLY DEADBOLT & LOCKSET - ONLY INTERIOR
2	FLSALAD	1	RH	V.I.F.	ALUMINUM	POWDER COATED - WHITE	POWDER COATED - WHITE	SUPPLY DEADBOLT & LOCKSET
3	FLSALAD	1	LH	V.I.F.	ALUMINUM	POWDER COATED - WHITE	POWDER COATED - WHITE	SUPPLY DEADBOLT & LOCKSET

Notes

1.0 CONTRACTOR TO PREPARE SHOP DRAWINGS AND VERIFY ALL OPENING DIMENSIONS IN FIELD.

2.0 ALL LOCKS MASTER KEY & CONSTRUCTION KEY:
2 MASTER KEYS
3 KEYS PER LOCK
10 CONSTRUCTION KEYS

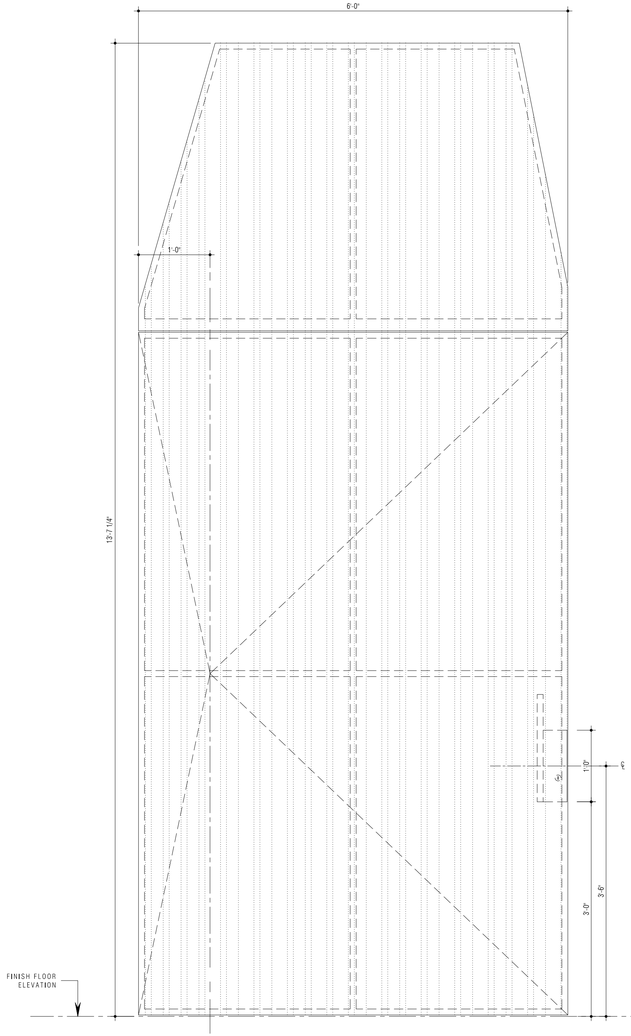
3.0 ALL KEYS STAMPED "DO NOT DUPLICATE".

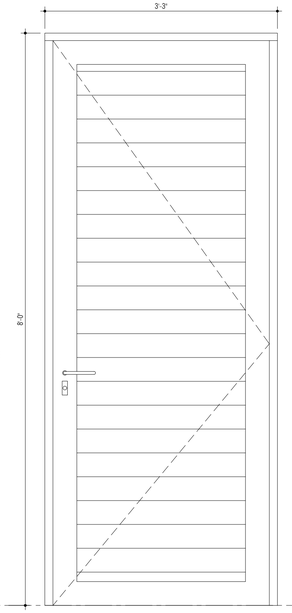
4.0 ALL DOORS & WINDOWS TO COMPLY WITH CODE (HURRICANE) UNLESS OTHERWISE NOTED.

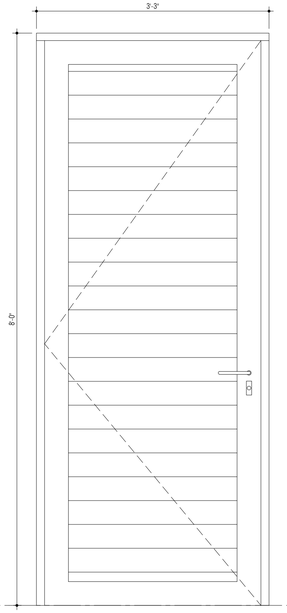
5.0 LEAF SIZES SHALL BE AS PER FINAL WALL OPENING.

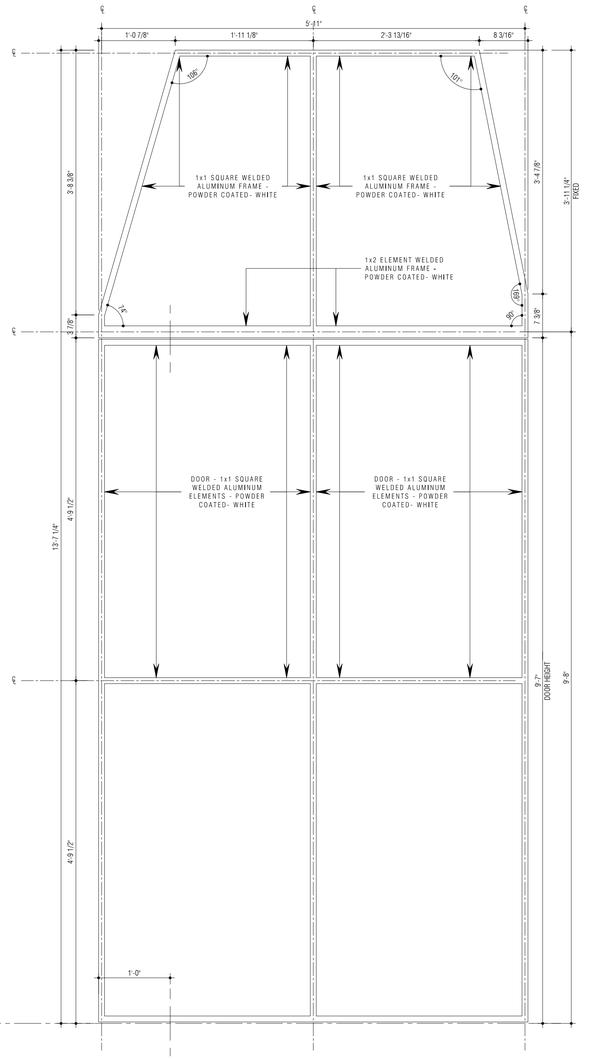
6.0 ALL HARDWARE TO BE BRUSHED STAINLESS STEEL (VS260-320).

7.0 ALL WINDOWS AND DOORS TO BE INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS.









Doors

CEAMD 1
CORRUGATED EXPANDED ALUMINUM MESH DOOR - POWDER COATED WHITE

QUANTITY: 1

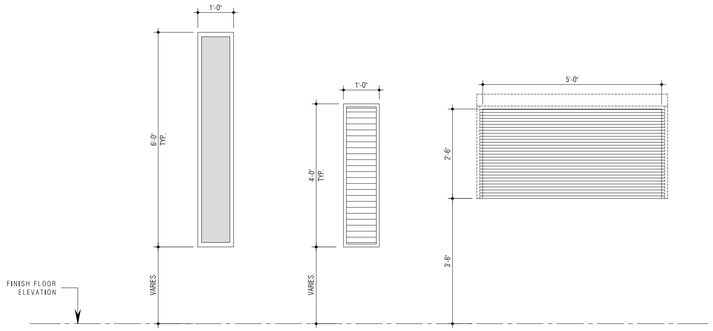
FLSLAD 2
FULL LOUVERED SINGLE LEAF ALUMINUM DOOR - POWDER COATED - WHITE

QUANTITY: 1

FLSLAD 3
FULL LOUVERED SINGLE LEAF ALUMINUM DOOR - POWDER COATED - WHITE

QUANTITY: 1

Main Door Frame 1
SCALE: 1" = 1'-0" A-6.0



Windows

FFGW A
FULL FIXED GLASS WINDOW - MILK WHITE

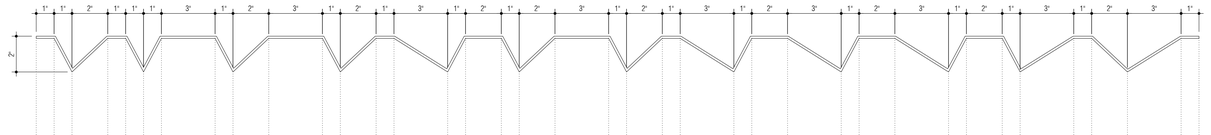
QTY: 5

FLAW B
FULL LOUVERED ALUMNUM WINDOW - POWDER COATED - WHITE

QTY: 4

SRUW C
STEEL ROLL UP WINDOW

QTY: 1



Door Corrugation Pattern 2
SCALE: 3" = 1'-0" A-6.0

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REVISIONS

REV. #	DATE	ISSUING REASON
-	-	-

PROFESSIONAL SEAL

YO, JULIÁN MANRIQUEZ BOTELLO, LICENCIA 19862, CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ, CONFECCIONÓ Y PREPARÓ ESTOS PLANOS Y QUE LOS MISMOS CUMPLEN CON LA LEY NÚM. 144 - CERTIFICO QUE ESTOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS, JUNTAS, REGLAMENTACIONES O CUMPLIMIENTOS PÚBLICOS CON JURISDICCIÓN SOBRE LA OBRA. - CERTIFICO QUE ESTOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LA NORMAS DE DISEÑO SÍSMICO VIGENTE. - CERTIFICO QUE LA INSPECCIÓN POR LA INGENIERÍA DE ESTRUCTURAS SE HARÁ EN LA LEY NUMERO 96 DEL 5 DE JULIO DE 1975, SEGÚN ENMENDADA. - RECONOZCO QUE CUALQUIER CAMBIO A ESTOS PLANOS Y ESPECIFICACIONES SIN EL CONSENTIMIENTO POR ESCRITO DE LOS DISEÑADORES, O POR OTRAS PERSONAS QUE NO SEAN LOS DISEÑADORES, ME HACEN, ME PONGA LA MISMA DISPOSICIÓN RIA PARA LA PERSONA QUE HAGA DICHOS CAMBIOS. - ESTOY CONSCIENTE QUE LOS DISEÑADORES NO SERÁN RESPONSABLES POR CUALQUIER USO QUE SE HAGA DE ESTOS PLANOS Y ESPECIFICACIONES PARA PROPÓSITOS DISTINTOS A LOS QUE FUERON PREPARADOS. - ESTOY CONSCIENTE QUE LOS DISEÑADORES NO SERÁN RESPONSABLES POR CUALQUIER USO QUE SE HAGA DE ESTOS PLANOS Y ESPECIFICACIONES PARA PROPÓSITOS DISTINTOS A LOS QUE FUERON PREPARADOS. - ESTOY CONSCIENTE QUE LOS DISEÑADORES NO SERÁN RESPONSABLES POR CUALQUIER USO QUE SE HAGA DE ESTOS PLANOS Y ESPECIFICACIONES PARA PROPÓSITOS DISTINTOS A LOS QUE FUERON PREPARADOS.

julián manríquez botello Puerto Rico
LIC: MRK OCCC 19
EXP: 18.X.2025

CERTIFICACIÓN - CERTIFICATE - FIRM NAME

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PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

SHEET TITLE

Door, Window Schedule & Details

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

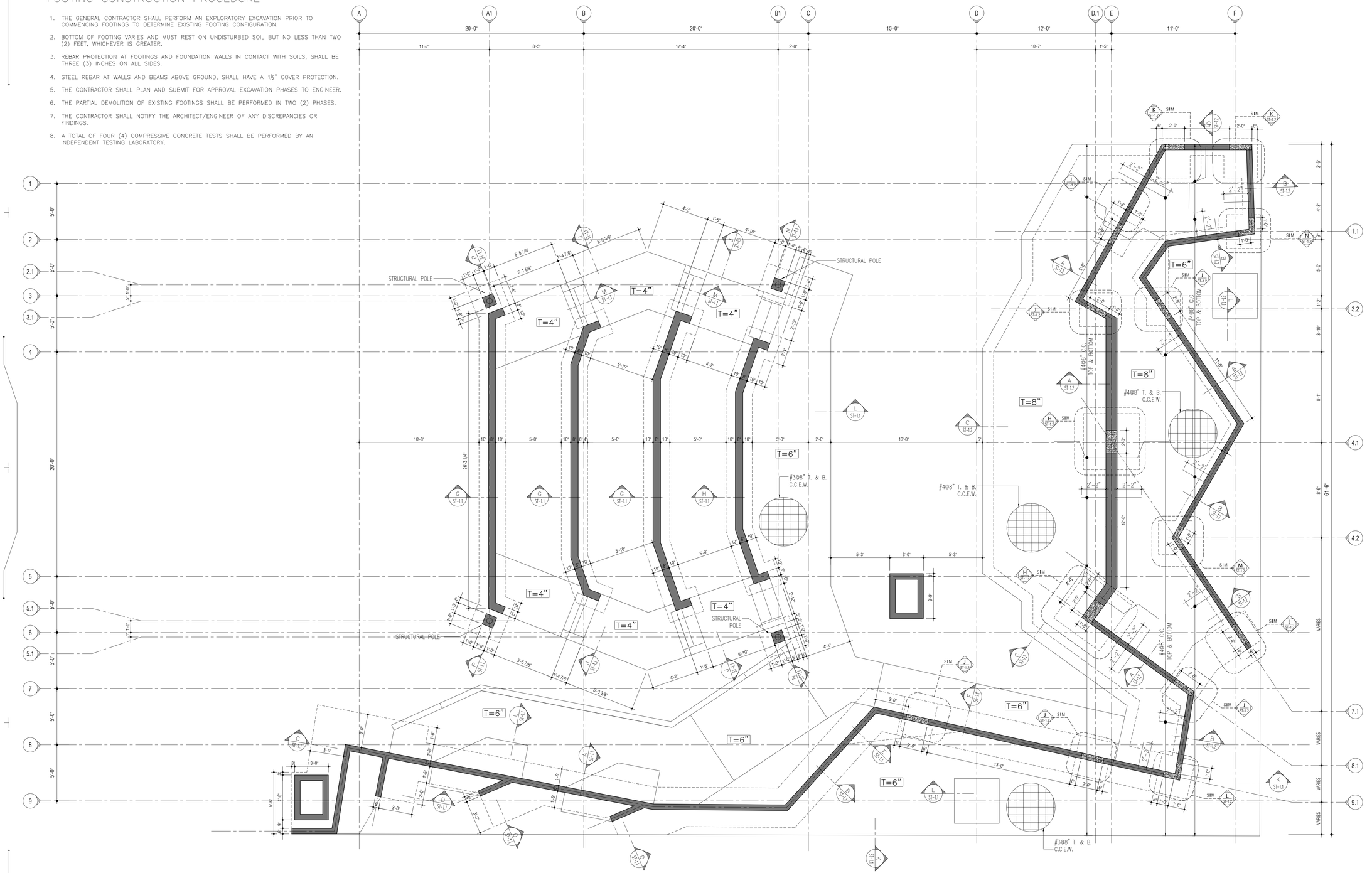
PROJECT #	PROJECT PHASE
22-02	Construction Docs - 100%
SHEET # 22	DRAWN BY krs/jmb
DISCIPLINE	DATE 25.vi.2024

A-6.0

BID SET January 10, 2025

FOOTING CONSTRUCTION PROCEDURE

1. THE GENERAL CONTRACTOR SHALL PERFORM AN EXPLORATORY EXCAVATION PRIOR TO COMMENCING FOOTINGS TO DETERMINE EXISTING FOOTING CONFIGURATION.
2. BOTTOM OF FOOTING VARIES AND MUST REST ON UNDISTURBED SOIL BUT NO LESS THAN TWO (2) FEET, WHICHEVER IS GREATER.
3. REBAR PROTECTION AT FOOTINGS AND FOUNDATION WALLS IN CONTACT WITH SOILS, SHALL BE THREE (3) INCHES ON ALL SIDES.
4. STEEL REBAR AT WALLS AND BEAMS ABOVE GROUND, SHALL HAVE A 1½" COVER PROTECTION.
5. THE CONTRACTOR SHALL PLAN AND SUBMIT FOR APPROVAL EXCAVATION PHASES TO ENGINEER.
6. THE PARTIAL DEMOLITION OF EXISTING FOOTINGS SHALL BE PERFORMED IN TWO (2) PHASES.
7. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR FINDINGS.
8. A TOTAL OF FOUR (4) COMPRESSIVE CONCRETE TESTS SHALL BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY.



Foundation Plan

SCALE : ⅛" = 1'-0"

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REVISIONS		
REV. #	DATE	ISSUING REASON
-	-	-

PROFESSIONAL SEAL

JOSE O. GONZALEZ GARCIA — INGENIERO LICENCIADO — LIC. #6588 — PUERTO RICO

IDENTIFICACION - CERTIFICATE / FIRM NAME

Yo, José O. González García, ingeniero civil, certifico que soy el profesional que diseñó, confeccionó y selló los planos y/o las especificaciones complementarias, también certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables de los reglamentos vigentes de las agencias, juntas reglamentadoras y municipios públicos con jurisdicción, certifico, además, que en la preparación de estos planos y especificaciones se ha cumplido cabalmente con lo dispuesto en la Ley 14-2004, según enmendada, conocida como "Ley de la Inversión por la Industria Puertorriqueña" y con la Ley núm. 96 de 6 de julio de 1988, según enmendada, relacionada a que cualquier declaración falsa o falsificación de los mismos que se haya producido por desconocimiento o por negligencia ya sea por mí, mis agentes o empleados o cualquiera de las personas con de conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

YO, JOSÉ O. GONZÁLEZ GARCÍA, LICENCIA 19862, CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ, CONFECCIONÓ Y PREPARÓ ESTOS PLANOS Y ESPECIFICACIONES, ASIMISMO CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS Y COMPETENTE, PÚBLICOS CON JURISDICCIÓN, CERTIFICO, ADEMÁS, QUE EN LA PREPARACIÓN DE ESTOS PLANOS Y ESPECIFICACIONES HE CUMPLIDO CABALMENTE CON LO DISPUESTO EN LA LEY NÚMERO 96 DEL 6 DE JULIO DE 1988, SEGÚN ENMENDADA, CONOCIDA COMO LA "LEY PARA LA INVERSIÓN POR LA INDUSTRIA PUERTORRIQUEÑA" Y CON LA LEY NÚMERO 14-2004, SEGÚN ENMENDADA, CONOCIDA COMO "LEY DE LA INVERSIÓN POR LA INDUSTRIA PUERTORRIQUEÑA" Y CON LA LEY NÚM. 96 DE 6 DE JULIO DE 1988, SEGÚN ENMENDADA, RELACIONADA A QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS MISMOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS O CUALQUIERA DE LAS PERSONAS CON DE CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE.

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PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

J.O.G. ENGINEERING CORP.

DWG. TITLE

Foundation Plan

CLIENT

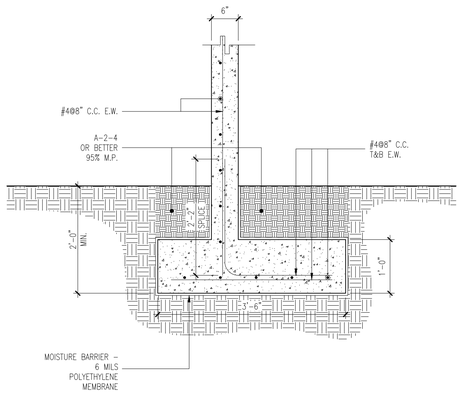
Municipality of Canóvanas - Hon. Lornna J. Soto

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22-02	Construction Docs - 100%
SHEET #	DRAWN BY / DATE
23	krs/jmb — 25.vi.2024

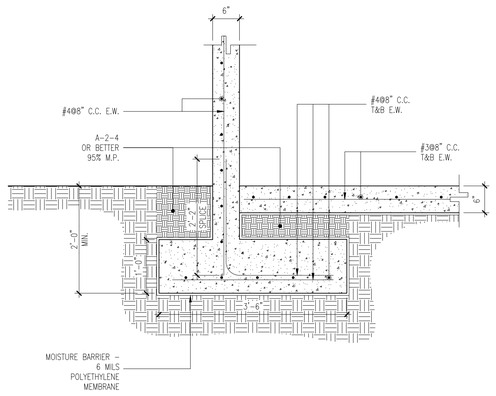
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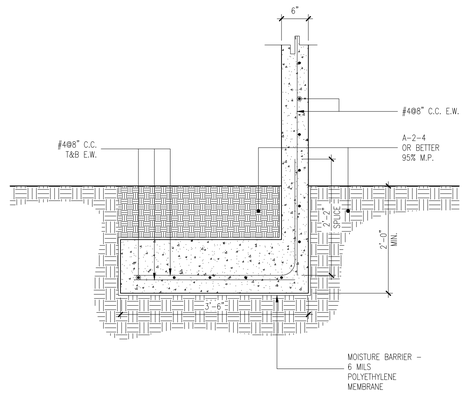
BID SET January 10, 2025



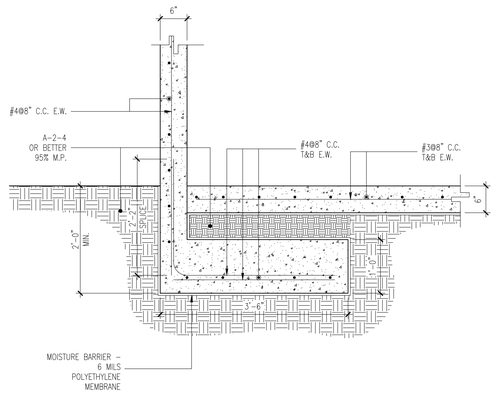
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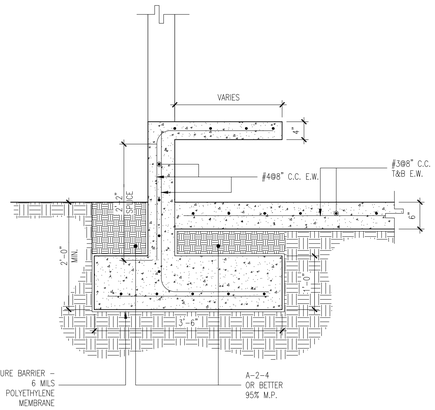
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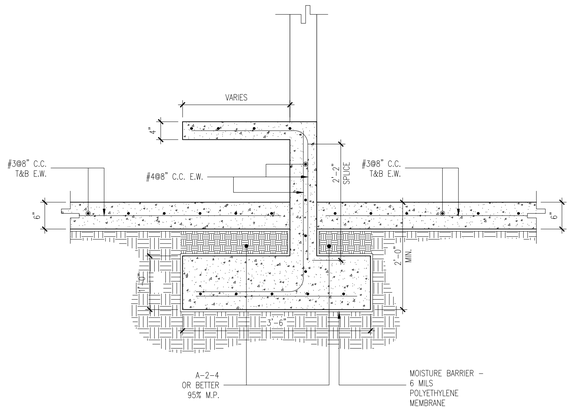
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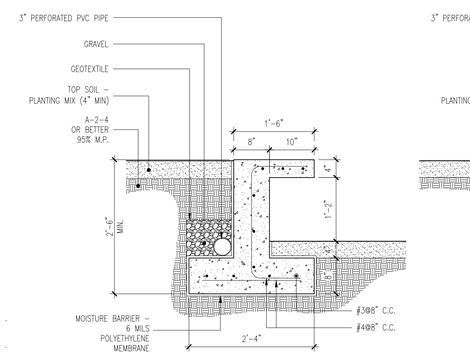
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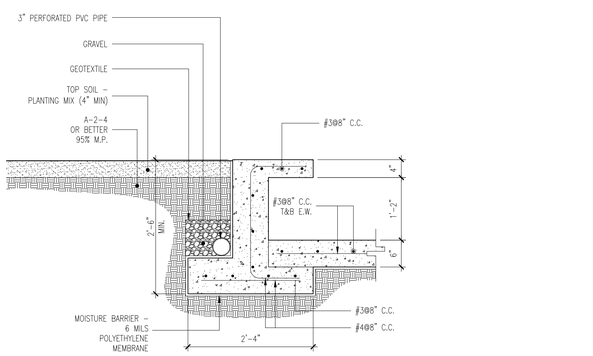
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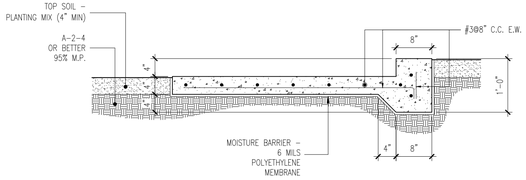
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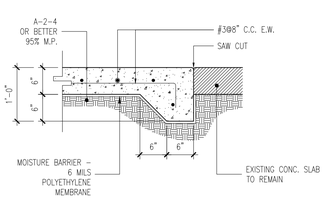
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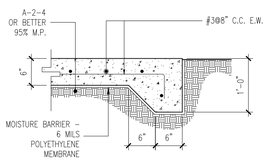
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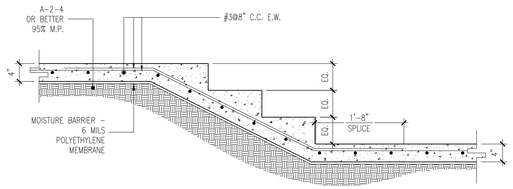
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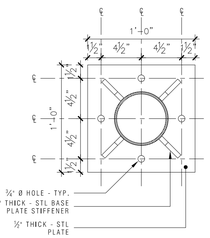
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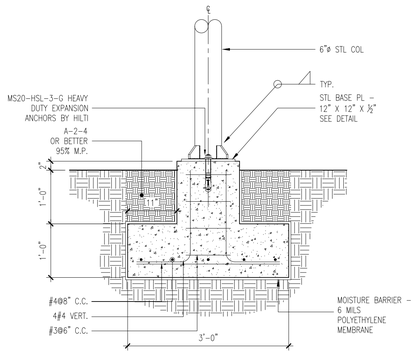
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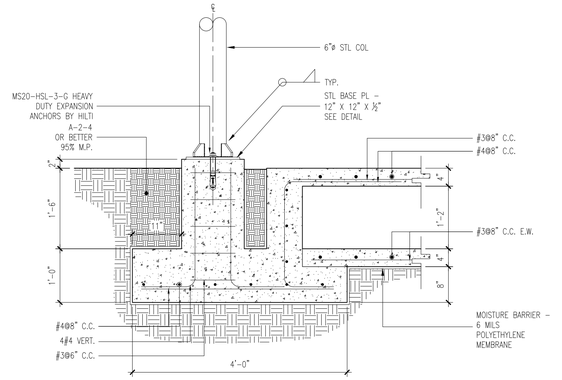
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BASE PLATE DETAIL
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FOOTING SECTION N ST-1.1
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FOOTING SECTION P ST-1.1
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Notes:

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5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS		
NO. #	DATE	ISSUING REASON

PROFESSIONAL SEAL

JOSE O. GONZALEZ
INGENIERO
LICENCIADO
LIC. #6588
PUERTO RICO

CERTIFICACION - CERTIFICATE - FIRM NAME

Yo, José O. González García, ingeniero civil, certifico que soy el profesional que diseñó, confeccionó y selló los planos y todas las especificaciones complementarias, también certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables de los reglamentos de código de construcción vigentes de la jurisdicción, certifico, además, que en la preparación de estos planos y especificaciones se cumplió cabalmente con lo dispuesto en la Ley 14-2004, según enmendada, conocida como "Ley para la inversión por la industria puertorriqueña" y con la ley núm. 96 de 6 de julio de 2004, según enmendada, reconozco que cualquier declaración falsa o falsificación de los documentos que se han producido por desconocimiento o por negligencia ya sea por mí, mis agentes o empleados o por otras personas con mi conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

YO, JOSÉ O. GONZÁLEZ GARCÍA, LICENCIA 19882, CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ, CONFECCIONÓ Y PREPARÓ ESTOS PLANOS Y ESPECIFICACIONES COMPLEMENTARIAS, TAMBIÉN CERTIFICO QUE ESTOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS, JUNTAS, REGLAMENTOS Y CÓDIGOS APLICABLES DE LA JURISDICCIÓN, CERTIFICO, ADEMÁS, QUE EN LA PREPARACIÓN DE ESTOS PLANOS Y ESPECIFICACIONES SE HA CUMPLIDO CABALMENTE CON LO DISPUESTO EN LA LEY 14-2004, SEGÚN ENMENDADA, CONOCIDA COMO LA "LEY PARA LA INVERSIÓN POR LA INDUSTRIA PUERTORRIQUEÑA" Y CON LA LEY NÚMERO 96 DEL 6 DE JULIO DE 2004, SEGÚN ENMENDADA, RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS DOCUMENTOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE.

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PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

J.O.G. ENGINEERING CORP.

SHEET TITLE

Foundation Details

CLIENT

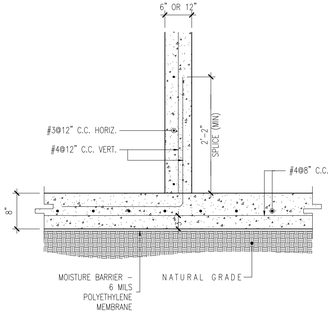
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT #	PROJECT PHASE
22-02	Construction Docs - 100%
SHEET #	DRAWN BY / DATE
24	krs/jmb 25.vi.2024

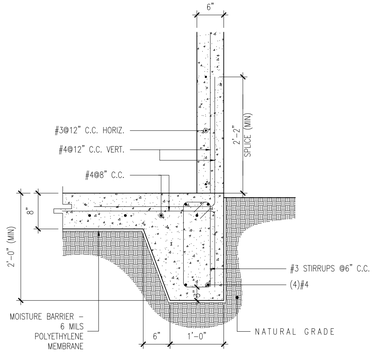
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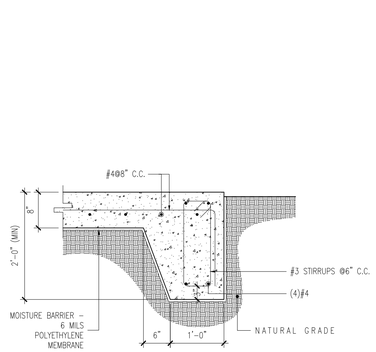
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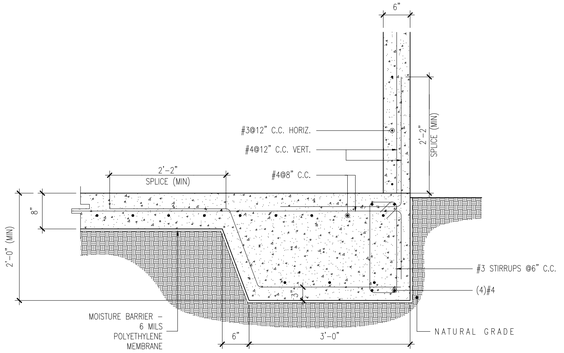
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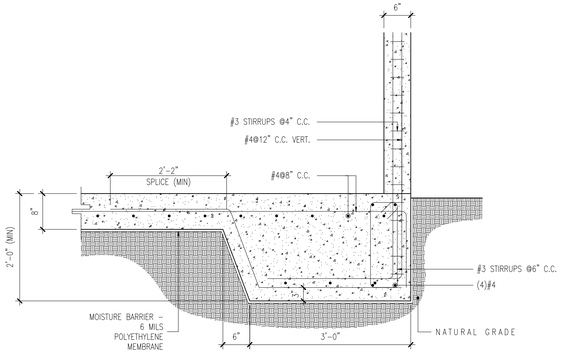
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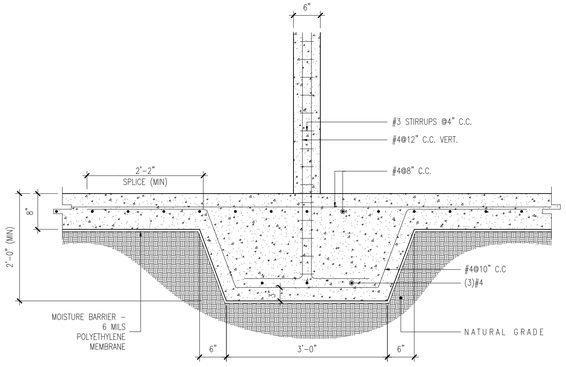
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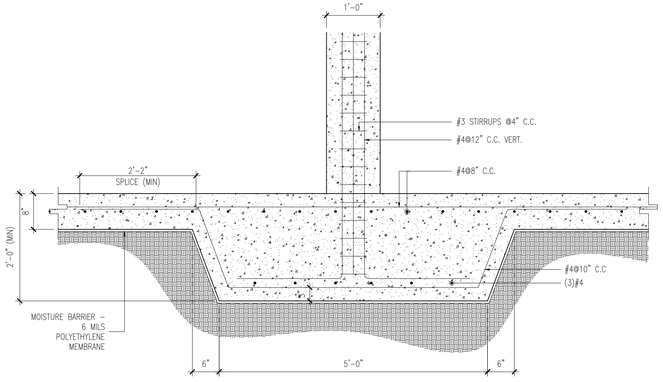
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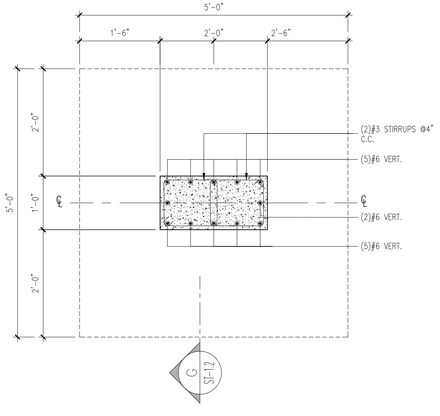
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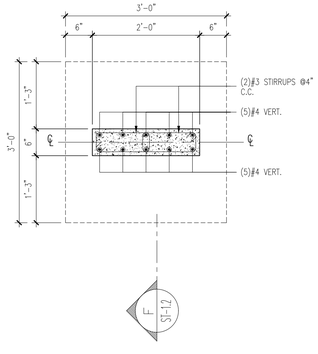
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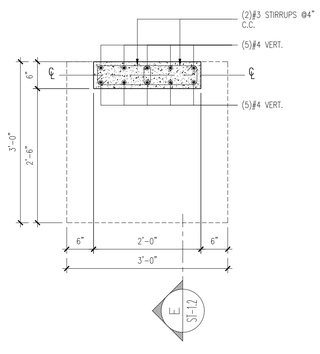
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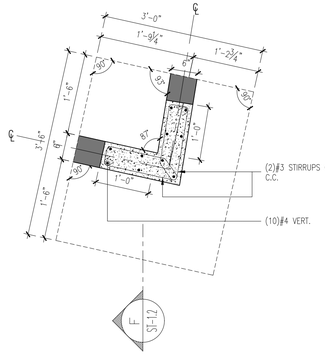
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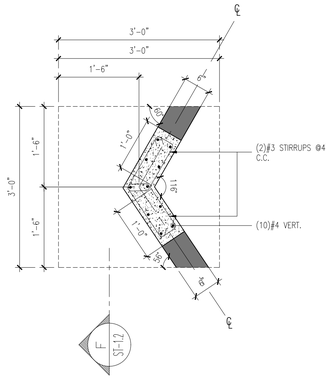
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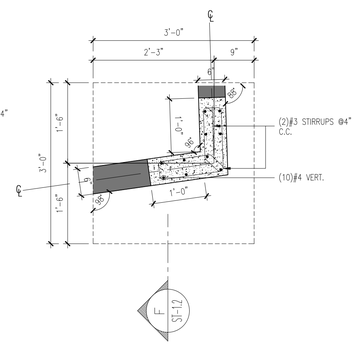
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COLUMN TYPE 6 N S1-1.2
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5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS

REV. #	DATE	ISSUING REASON
-	-	-

PROFESSIONAL SEAL

JOSE O. GONZALEZ GARCIA
INGENIERO LICENCIADO
LIC. #6588
PUERTO RICO

IDENTIFICACION - CERTIFICATE - FIRM NAME

Yo, José O. González García, ingeniero civil, certifico que soy el profesional que diseñó, confeccionó y firmó los planos y las especificaciones complementarias, también certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables de los reglamentos vigentes de construcción vigentes de las agencias, juntas reglamentadoras o autoridad gubernativa con jurisdicción, certifico, además, que en la preparación de estos planos y especificaciones se cumplió cabalmente con lo dispuesto en la ley 14-2004, según enmendada, conocida como la ley de la inversión por la industria puertorriqueña" y con la ley núm. 96 de 6 de julio de 2004, según enmendada, reconozco que cualquier declaración falsa o falsificación de los documentos que se someten producto del desconocimiento o por negligencia ya sea por mí, mis agentes o empleados o por otras personas con mi conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

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PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

J.O.G. ENGINEERING CORP.

SHEET TITLE

Foundation Details

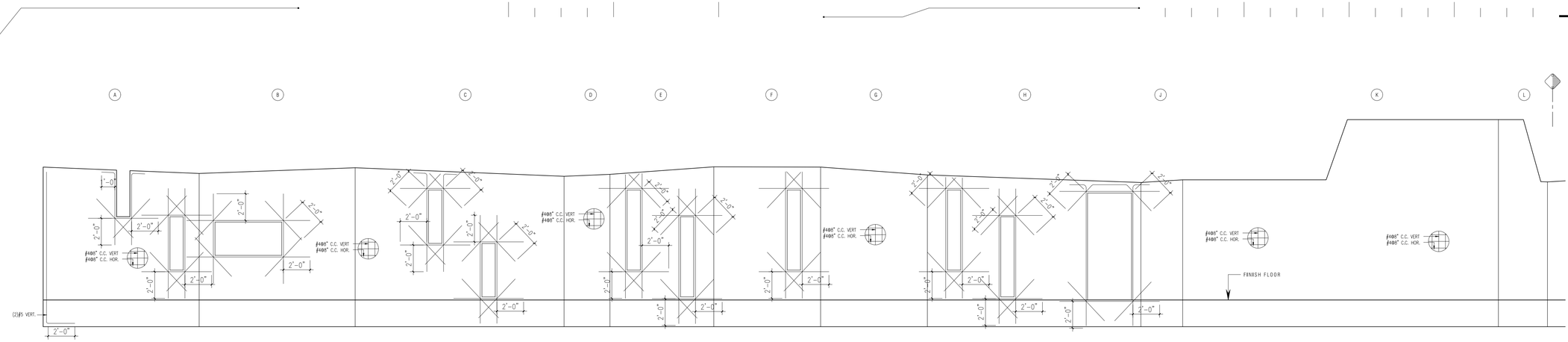
CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT #	PROJECT PHASE
22-02	Construction Docs - 100%
SHEET # 25	DRAWN BY krs/jmb — DATE 25.vi.2024

DISCIPLINE

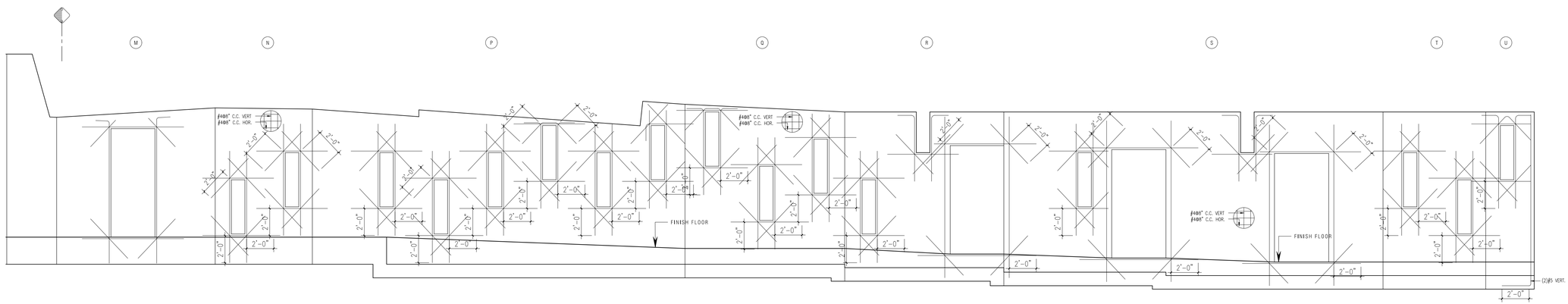
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BID SET January 10, 2025



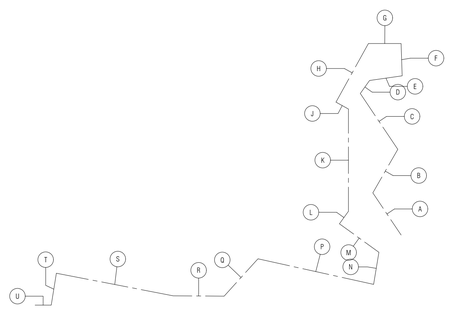
Unfolded Structural Elevation

SCALE : ½" = 1'-0"



Unfolded Structural Elevation Cont.

SCALE : ½" = 1'-0"



Key Plan

NOT TO SCALE

Notes:

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REVISIONS

REV. #	DATE	ISSUING REASON
-	-	-

PROFESSIONAL SEAL

JOSE O. GONZALEZ
INGENIERO
LICENCIADO
LIC. #6588
PUERTO RICO

CERTIFICACION - CERTIFICATE - FIRM NAME

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e-mail: info@informationstudio.com

PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

J.O.G. ENGINEERING CORP.

DWG. TITLE

Structural Elevations

CLIENT

Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT # 22-02

PROJECT PHASE Construction Docs - 100%

SHEET # 26

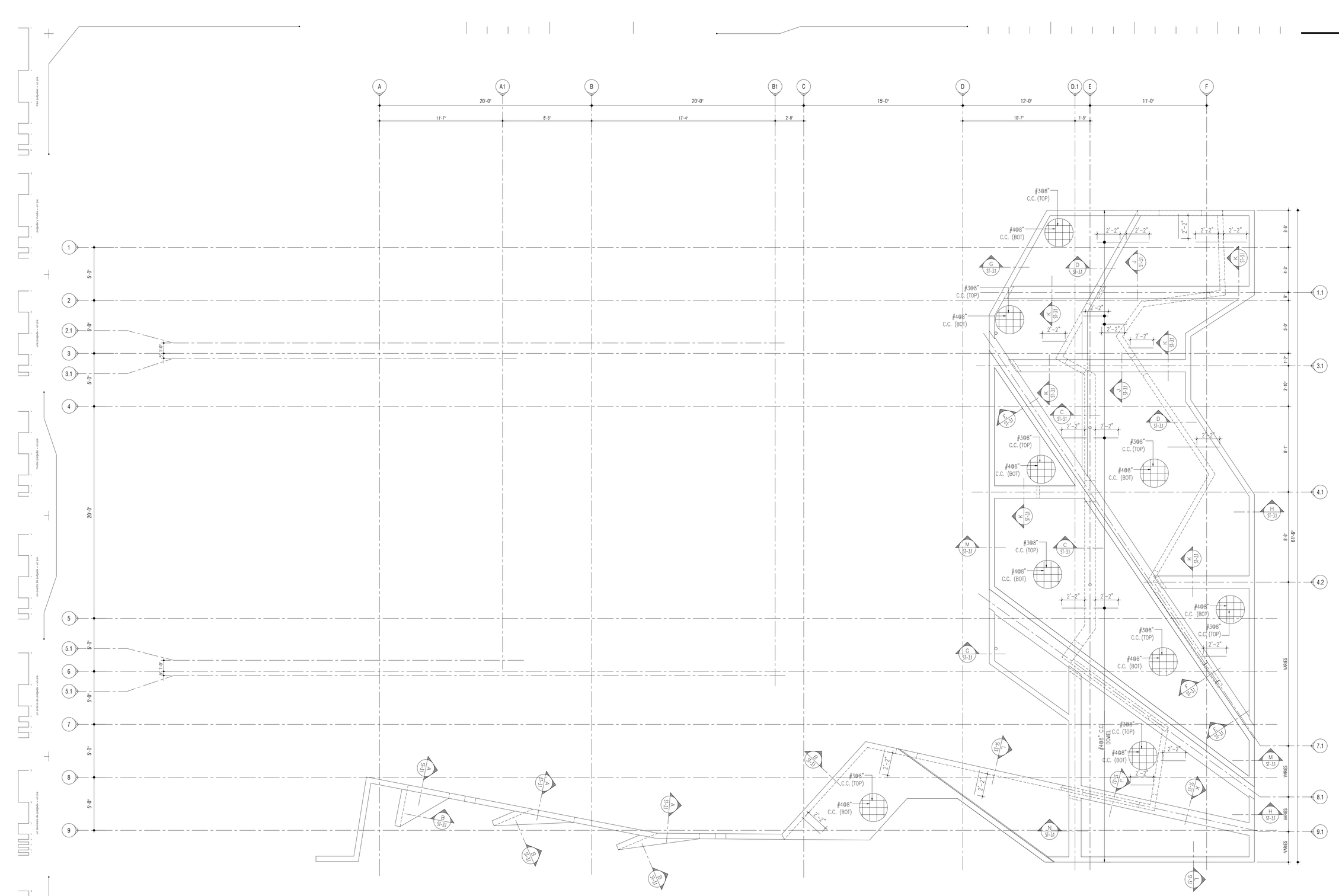
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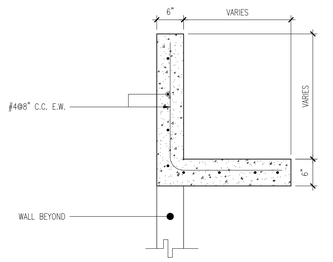
DATE 25.vi.2024

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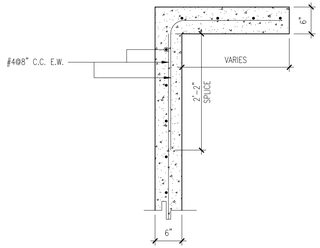
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BID SET January 10, 2025

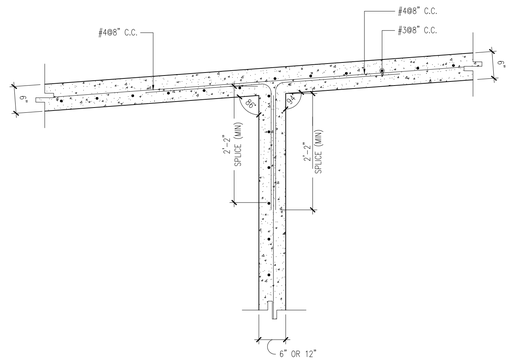

A
A1
B
B1
C
D
D.1
E
F
20'-0"
20'-0"
15'-0"
12'-0"
11'-0"
11'-7"
8'-5"
17'-4"
2'-8"
10'-7"
1'-5"
1
2
2.1
3
3.1
4
5
5.1
6
5.1
7
8
9
1.1
3.1
4.1
4.2
7.1
8.1
9.1
5'-0"
5'-0"
5'-0"
5'-0"
5'-0"
5'-0"
5'-0"
20'-0"
5'-1"
5'-1"
#3@8" C.C. (TOP)
#4@8" C.C. (BOT)
2'-2"
2'-2"
2'-2"



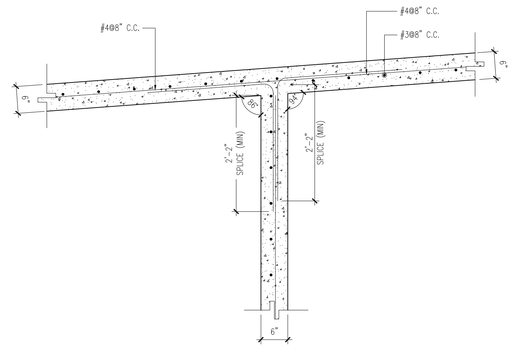
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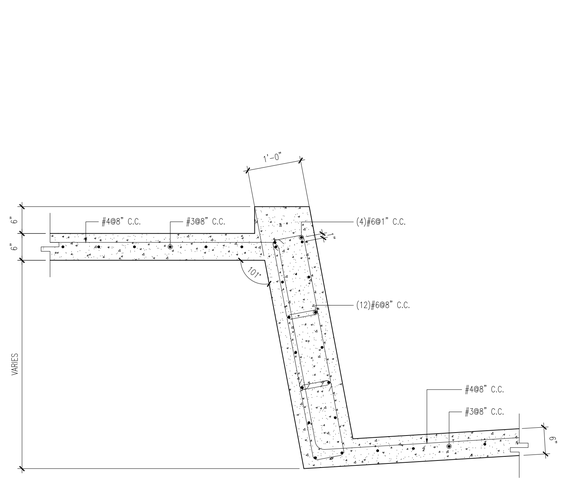
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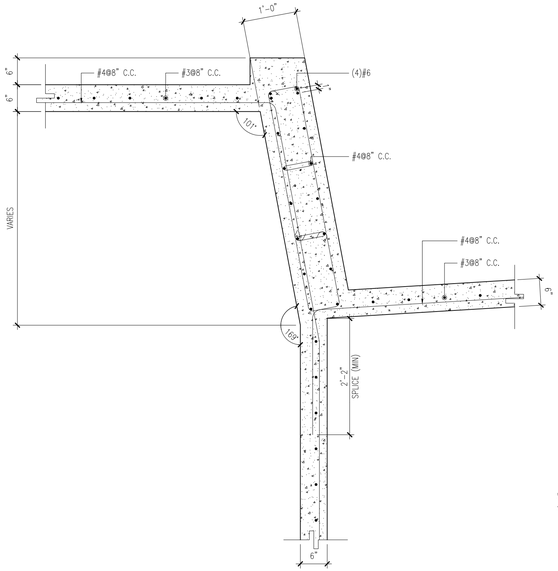
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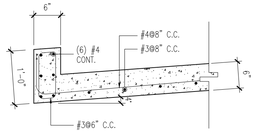
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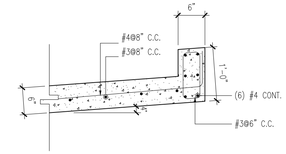
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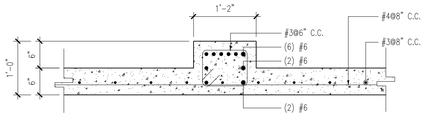
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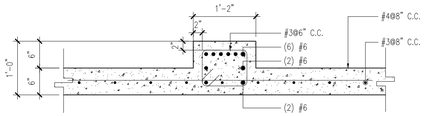
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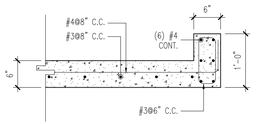
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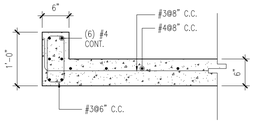
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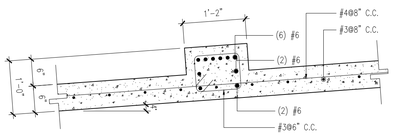
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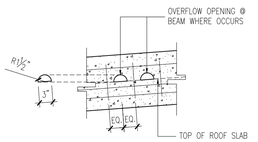
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SCALE=3/4"=1'-0"



ROOF SECTION — M — SF-3.1
SCALE=3/4"=1'-0"



ROOF SECTION — N — SF-3.1
SCALE=3/4"=1'-0"



ROOF SECTION — P — SF-3.1
SCALE=3/4"=1'-0"

Notes:

1.0 Do not scale dimensions from drawings. Dimensions govern.

2.0 All dimensions are in feet and inches, unless noted otherwise.

3.0 The contractor shall check all dimensions, levels and angles on site prior to commencing any work.

4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.

5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS

REV. #	DATE	ISSUING REASON
-	-	-

PROFESSIONAL SEAL

JOSE O. GONZALEZ
INGENIERO
LICENCIADO
LIC. #6588
PUERTO RICO

CERTIFICACION - CERTIFICATE - FIRM NAME

Yo, José O. González García, ingeniero civil, certifico que soy el profesional que diseñó, confeccionó y firmó los planos y las especificaciones complementarias, también certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables de los reglamentos de código de construcción vigentes de las agencias, Juntas reglamentadoras o corporación pública con jurisdicción, certifico, además, que en la preparación de estos planos y especificaciones se ha cumplido cabalmente con lo dispuesto en la ley 14-2004, según enmendada, conocida como la ley para la inversión por la industria puertorriqueña" y con la ley núm. 96 de 6 de julio de 2004, según enmendada, reconozco que cualquier declaración falsa o fabricación de los documentos que se someten producirá su desconocimiento o por negligencia ya sea por mi, mis agentes o empleados o por otras personas con mi conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

YO, JOSÉ/N
MANRIQUE BOTELLO, LICENCIA 19892,
CERTIFICO QUE SOY EL PROFESIONAL QUE
DISEÑÓ, CONFECCIONÓ Y PREPARÓ ESTOS PLANOS
Y LAS ESPECIFICACIONES COMPLEMENTARIAS,
CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPE-
CIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES
DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS,
JUNTAS REGLAMENTADORAS O CORPO- RACIONES PÚBLICAS CON JURISDICCIÓN,
RACIÓN DE TIPO. CERTIFICO, ADEMÁS, QUE EN LA PREPARACIÓN DE ESTOS PLANOS Y ESPECIFICACIONES HE CUMPLIDO CA ALMENTE CON LO DISPUESTO EN LA LEY NÚMERO 96 DEL 6 DE JULIO DE 2004, SEGÚN ENMENDADA, CONOCIDA COMO LA "LEY PARA LA INVERSIÓN POR LA INDUSTRIA PUERTORRIQUEÑA" Y CON LA LEY NÚMERO 96 DEL 6 DE JULIO DE 2004, SEGÚN ENMENDADA, RECONOZCO QU CUALQUIER DECLARACIÓN FALSA O FABRICACIÓN DE LOS DOCUMENTOS QUE SE SOMETEN PRODUCIRÁ SU DESCONOCIMIENTO O POR NEGLIGENCIA, YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN ME PODRÁ LE IMPONER UNA MULTA DE HASTA MIL DÓLARES (1,000.00) POR CADA INFRACCIÓN, ADEMÁS DE CUALQUIER OTRA PENALIDAD QUE SE ME IMPONGA POR LA VIOLACIÓN DE LA LEY NÚM. 96 DE 6 DE JULIO DE 2004, SEGÚN ENMENDADA, CONOCIDA COMO LA "LEY PARA LA INVERSIÓN POR LA INDUSTRIA PUERTORRIQUEÑA". TOTAL PROPIEDAD INTELECTUAL: ESTOS PLANOS Y ESPECIFICACIONES SON PROPIEDAD INTELECTUAL DE SU DISEÑADOR Y ESTÁN PROTEGIDOS POR LAS LEYES DE PROPIEDAD INTELECTUAL DE LOS ESTADOS UNIDOS. CUALQUIER USO NO AUTORIZADO O REPRODUCCIÓN DE ESTOS PLANOS Y ESPECIFICACIONES SIN EL CONSENTIMIENTO POR ESCRITO DEL DISEÑADOR CONSTITUIRÁ UNA VIOLACIÓN DE LOS DERECHOS DE AUTOR Y PUEDE RESULTAR EN ACCIONES LEGALES. TODOS LOS DERECHOS RESERVADOS. ESTE DOCUMENTO Y SU CONTENIDO NO PUEDEN SER COPIADOS, DISTRIBUIDOS O UTILIZADOS SIN EL CONSENTIMIENTO EXPRESO POR ESCRITO DEL DISEÑADOR. ESTO INCLUYE, PERO NO SE LIMITA A, LA REPRODUCCIÓN, MODIFICACIÓN, DISTRIBUCIÓN O USO DE ESTE DOCUMENTO EN CUALQUIER FORMA O MEDIO, YA SEA ELECTRÓNICO, IMPRESO O DE CUALQUIER OTRO TIPO. CUALQUIER PERSONA O ENTIDAD QUE VIOLE ESTOS DERECHOS DE AUTOR PUEDE ESTAR SUJETA A ACCIONES LEGALES, INCLUYENDO, PERO NO LIMITADAS A, DEMANDAS POR DAÑOS Y PERJUICIOS Y MANDAMIENTOS JUDICIALES. AL USAR ESTE DOCUMENTO, USTED ACEPTA CUMPLIR CON TODAS LAS LEYES APLICABLES DE PROPIEDAD INTELECTUAL Y RECONOCE QUE EL DISEÑADOR SE RESERVA TODOS LOS DERECHOS NO EXPRESAMENTE CONCEDIDOS EN ESTE AVISO. ©2025. ANY TOTAL PARTIAL REPRODUCTION OR USE OF THIS DOCUMENT OR THE INFORMATION CONTAINED HEREIN IS STRICTLY PROHIBITED WITHOUT PRIOR WRITTEN CONSENT AND WILL BE NOTIFIED TO INFORMATION STUDIO

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e-mail: info@informationstudio.com

PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

J.O.G.
ENGINEERING CORP.

DWG. TITLE

Roof Structural Details

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT #	PROJECT PHASE
22-02	Construction Docs - 100%
SHEET #	DRAWN BY / DATE
28	krs/jmb — 25.vi.2024

DRAWING
ST-3.1

BID SET January 10, 2025

STRUCTURAL NOTES, GENERAL DETAILS & DEMOLITION SEQUENCE

DESIGN & CONSTRUCTION WORK SHALL COMPLY WITH THE REQUIREMENTS AND PROVISION OF THE FOLLOWING CODES AND SPECIFICATIONS:

1. AMERICAN CONCRETE INSTITUTE
2. UNIFORM BUILDING CODE, UBC 1997
3. AMERICAN SOCIETY FOR TESTING AND MATERIALS
4. CONCRETE REINFORCING STEEL INSTITUTE
5. AMERICAN WELDING SOCIETY
6. AMERICAN INSTITUTE OF STEEL CONSTRUCTION

DESIGN LOADS:

1. GRAVITARY LIVE LOADS (100 PSF OPEN TERRACE) . . . . . UBC 1997
2. GRAVITARY LIVE LOADS (40 PSF ROOF) . . . . . UBC 1997
3. WIND LOADS. ASCE-7
4. EARTHQUAKE LOADS. . . . . UBC 1997

CAST-IN-PLACE REINFORCED CONCRETE:

1. CONCRETE SHALL HAVE A 28-DAY ULTIMATE COMPRESSIVE STRENGHT AS SET FORTH BELOW:

   A. WALLS, SLAB, BEAMS ..... 4,000 PSI.
   B. ALL OTHERS ..... 4,000 PSI.

2. SLUMP OF CONCRETE SHALL NOT EXCEED 4" UNLESS A HIGH RANGE WATER-REDUCING ADMIXTURE IS USED. THE SLUMP OF CONCRETE PRIOR TO ADDITION OF A HIGH RANGE WATER-REDUCING ADMIXTURE SHALL NOT EXCEED 4". THE SLUMP OF CONCRETE CONTAINING A HIGH RANGE WATER-REDUCING ADMIXTURE SHALL NOT EXCEED 10".
3. CONCRETE EXPOSED TO WEATHER SHALL BE AIR-ENTRAINED. AIR CONTENT SHALL BE BETWEEN 4 AND 8 PERCENT.
4. THE NOMINAL COARSE AGGREGATE SIZE SHALL BE A MIMUM OF 3/4" IN ADVANCE OF CONCRETE PLACEMENT. CONCRETE MIX DESIGN SHALL
5. CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGNS FOR REVIEW WELL IN ADVANCE OF CONCRETE PLACEMENT. CONCRETE MIX DESIGN SHALL INCLUDE ALL STREGTH DATA NECESSARY TO SHOW COMPLIANCE WITH THE PROJECT SPECIFICATIONS FOR EITHER THE TRIAL BATCH OR FIELD EXPERIENCE METHOD AND SHALL BE CERTIFIED BY A REGISTERED LICENSED ENGINEER. PHYSICAL TESTS RESULTS FOR COARSE AND FINE AGGREGATES SHALL ALSO BE SUBMITTED CERTIFIEDX BY A REGISTERED ENGINEER.
6. REINFORCING SHALL CONFORM TO ASTM A615, GR60, UNLESS NOTED OTHERWISE ON SPECS AND/OR DRAWINGS.
7. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
8. ALL REINFORCING SHALL BE DETAILED, FABRICATED AND PLACED, IN ACCORDANCE WITH ACI DETAILING MANUAL 1994 (SP-66)
9. ALL REINFORCING SHALL BE SUPPORTED IN FORMS USING STEEL CHAIRS, SPACED WITH NECESSARY ACCESSORIES AND SHALL BE SECURELY WIRED TOGETHER, IN ACCORDANCE WITH CRSI "MANUAL OF STANDAR PRACTICE" (1989).
10. MINIMUN CONCRETE COVER, UNLESS NOTED OTHERWISE, AS FOLLOWS:
    UNFORMED SURFACE IN CONTACT WITH THE GROUND . . . . . 3 IN.
    FORMED SUFACES EXPOSED TO EARTH OR WEATHER
    #6 BARS AND LARGER..... 2 IN.
    #5 BARS AND SMALLER..... 1-1/ IN.
    FORMED SURFACES NOT EXPOSED TO EARTH OR WEATHER:
    BEAMS, GIRDERS, COLUMNS, AND GRADE BEMAS.. 1-1/2 IN.
    SLABS, WALLS
    #11 BARS AND SMALLER..... 3/4 IN.
    #14 AND #18 BARS..... 1-1/2 IN.
11. LAP SPLICES SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE, UNLESS NOTED OTHERWISE, WHERE CLASSES ARE NOT CALLED OUT ON DRAWINGS, USE CLASS "C" SPLICES.

BAR SIZE	TENSION SPLICES (INCHES) TOP BARS A	B	C	OTHER BARS A	B	C	COMPRESSION SPLICES (INCHES)
#3	13	16	21	12	12	15	12
#4	17	22	29	12	16	20	15
#5	21	27	36	15	20	26	19
#6	27	35	46	19	25	32	23
#7	37	48	63	26	34	44	26
#8	48	63	82	35	46	60	30
#9	61	80	104	44	57	75	34
#10	78	101	132	56	73	95	38
#11	96	124	163	68	88	116	42

COMPRESSION DOWEL EMBEDMENT: 22 BAR DIAMETERS
LAP WELDED WIRE FABRIC ONE SPACING OF CROSS WIRES PLUS 2".

12. BASE PLATES, ANCHOR BOLTS, SUPPORT ANGLES, ETC., BELOW GRADE SHALL BE COVERED WITH A MINIMUM OF 3" OF CONCRETE.
13. CONCRETE WORK SHALL BE SUBJECT TO QUALITY ASSURANCE TESTING AND INSPECTIONS. SEE QUALITY ASSURANCE GENERAL NOTES AND PROJECT SPECIFICATIONS.
14. ALL SYMBOLS AND STRESSES AS WELL AS CONCRETE WORK SHALL CONFORM TO THE STANDARD OF THE AMERICAN CONCRETE INSTITUTE (ACI-318-95).
15. ALL SLAB AND CORRESPONDING BEAMS, CURBS, OR APRONS SHALL BE POURED MONOLITHICALLY.
16. ALL SLEEVES, CONDUITS, INSERTS AND BOLTS SHALL BE IN PLACE BEFORE CONCRETE IS POURED.
17. ALL OPENINGS IN CONCRETE WALLS SHALL BE REINFORCED AROUND WITH 2#5 BARS PLACED AT 2 INCHES FROM THE FACE AND EXTENDING 24 INCHES BEYOND CORNERS, UNLESS OTHERWISE SPECIFIED IN PLANS.
18. TEMPERATURE REINFORCEMENT SHALL BE PROVIDED IN ALL ONE WAY SLAB NORMAL TO THE PRINCIPAL REINFORCEMENT IN ACCORDANCE WITH ACI-318-95 BUILDING CODE.
19. FOR CONSTRUCTION JOINTS IN STRUCTURAL MEMBERS A VERTICAL BULKHEAD AND KEY JOINT MUST BE PROVIDED.
20. ALL NEGATIVE REINFORCEMENT (TOP REINF.) AND POSITIVE REINFORCEMENT, (BOTTOM REINF.) IN SLABS AND BEAMS SHALL BE EXTENDED BEYOND THE CENTER LINE OF THE END SUPPORTS IN ACCORDANCE WITH ACI-318-95 BUILDING CODE, UNLESS OTHERWISE SPECIFIED.
21. SLAB ON GROUND, AS INDICATED ON DRAWINGS.
22. FOR CONCRETE FORMWORK, SURFACE FINISHING, BEVELED CORNERS AND DRIPS, SEE ARCHITECTURAL PLANS.
23. PROVIDE DOWELS IN WALL AND COLUMN FOOTINGS EQUAL IN SIZE AND NUMBER TO VERTICAL REINFORCEMENT, EXTENDING A TENSION SPLICE LENGTH INTO WALL OR COLUMN AND 40 BAR DIAMETER INTO FOOTING. (THE LATERAL EMBEDMENT SHALL BE EXTENDED AS NECESSARY TO PROVIDE A MIMMUM HORIZONTAL LEG RESTING ON FOOTING REINFORCEMENT EQUAL TO THE CORRESPONDING "G" LENGTH FOR THE BAR SIZE.)
24. CONCRETE SHALL NOT BE DROPPED THROUGH REINFORCING STEEL (AS IN WALL) SO AS TO CAUSE SEGREGATION OF AGGREGATES IN SUCH CASES, HOOPERS OR VERTICAL CHUTES OR TRUNKS SHALL BE USED. THE FREE UNCONFINED FALL OF CONCRETE SHALL NOT EXCEED THE ABOVE REQUIREMENTS.
25. THE SIZE OF NAILS AND SIMILAR FASTENERS DRIVEN INTO CONCRETE SHALL BE SUCH, AS NOT TO CRACK OR IMPAIR IT. NEVERTHELESS, IF THE CONCRETE IS DAMAGED, IT SHALL BE PROPERLY REPAIRED AFTER REMOVING THE DAMAGED PORTION AND SUITABLE JOINT SURFACE ARE PROVIDED.
26. ALL FORMWORK FOR FLEXURAL MEMBERS SHALL BE BUILT WITH A CAMBER CORRESPONDING TO ITS WON DEFORMATION PLUS THE STRUCTURE DEAD LOAD DEFORMATIONS. IN DETERMINIG THE AMOUNT OF CAMBER, THE CONTRACTOR SHALL HAVE THE ASSISTANCE OF THE DESIGNER WHERE SO REQUESTED.
27. ALL CAST IN PLACE REINFORCED CONCRETE STRUCTURAL MEMBERS SHALL BE PROPERLY CURED IN ACCORDANCE WITH ACI-318-95 CHAPTER V.
28. ALL REINFORCING BARS SHALL BE HIGH TENSILE DEFORMED MEETING ASTM A-615 GRADE 60.
29. ALL LAPPING, BENDING AND PLACING OR REINFORCEMENT SHALL BE DONE IN ACCORDANCE WITH ACI-318-95 BUILDING CODE.

STRUCTURAL STEEL

1. STEEL SHALL CONFORM TO THE FOLLOWING GRADES:
   ANGLE, CHANNELS, ANGLES, PLATES, ETC. A36
   STRUCTURAL TUBE . . . . . A500 (Fy=46)
   STEEL PIPE . . . . . A53 (Fy=35)
   ANCHOR BOLTS AND UNFINISHED BOLTS A307
   BOLTS, NUTS AND WASHERS A325
   WELDING ELECTRODES . . . . . E333, CLASS E 7018XX
   UNLESS OTHERWISE CALL FOR IN DRAWINGS.
2. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC CODE OF STANDARD PRACTICE 1990). EXCEPT AS MODIFIED IN THESE NOTES AND THE PROJECT SPECIFICATIONS AND/OR DRAWINGS.
3. THE STEEL STRUCTURE IS A PARTIAL-SELF-SUPPORTING STEEL RIGID FRAME AND IS DEPENDENT UPON DIAPHRAGM ACTION OF THE METAL ROOF DECK AND ATTACHMENT TO THE MASONRY WALLS FOR STABILITY AND FOR RESISTANCE TO WIND AND SEISMIC FORCES. PROVIDE ALL TEMPORARY SUPPORTS REQUIRED FOR STABILITY AND FOR RESISTANCE TO WIND AND SEISMIC FORCES UNTIL THESE ELEMENTS ARE COMPLETED AND ARE CAPABLE OF PROVIDING THIS LATERAL SUPPORT.
4. THE FABRICATOR IS RESPONSIBLE FOR THE SHOP DRAWINGS OF ALL CONNECTONS. CONNECTIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE SCHEMATIC AND ARE ONLY INTENDED TO SHOW THE RELATIONSHIP OF MEMBERS CONNECTED. CONNECTION DETAILS INDICATED ON THE DRAWINGS SHALL BE INCORPORATED INTO FABRICATOR'S CONNECTION DESIGN. ALL SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY THE FABRICATOR'S ENGINEER WITH THE ENGINEER'S SEAL. ENGINEER'S MAY BE QUALIFIED FOR DETAILING OF CONNECTIONS ONLY"
5. SPLICING OF STEEL MEMBERS, UNLESS SHOWN ON THE DRAWINGS, IS PROHIBITED WITHOUT WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
6. UNLESS NOTED OTHERWISE, BEAMS SHALL BEAR 8" MINIMUM ON CONCRETE OR MASONRY. UNLESS NOTED OTHERWISE, ANCHOR BEAMS TO MASONRY WITH TWO (2) 3/4" DIAMETER ANCHOR BOLTS WITH 4" HOOK AND 1'-4" EMBEDMENT.
7. STRUCTURAL STEEL WORK SHALL BE SUBJECT TO QUALITY ASSURANCE TESTING & INSPECTIONS. SEE QUALITY ASSURANCE GENERAL NOTES AND PROJECT SPECIFICATION. AISC, ASTM & AWS SPECIFICATIONS WILL GOVERN ALL STRUCTURAL STEEL WORKS.
8. DESIGN & CONSTRUCTION SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION STANDARD PRACTICE.
9. STRUCTURAL STEEL WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER AND IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY, AWS, REQUIREMENTS.
10. ALL INSPECTION AND TESTING OF WELDING SHALL BE DONE IN ACCORDANCE TO SECTION 501 THROUGH 607 OF THE AWS DLO-94 CODE FOR WELDING IN BUILDING CONSTRUCTION.
11. ALL CONNECTIONS SHALL BE BEARING TYPE UNLESS OTHERWISE SPECIFIED ON PLANS.
12. SHOP DRAWINGS FOR ALL STRUCTURAL STEEL FABRICATION AND ERECTION SHALL BE SUBMITTED TO THE DESIGNER FOR APPROVAL WELL IN ADVANCE OF CONSTRUCTION.
13. INCORRECTLY FRABRICATED, DAMAGED OR OTHERWISE MISFITTING OR NON-CONFORMING MATERIAL OR CONDITIONS SHALL BE REPORTED TO THE ENGINEER FOR RWIEW AND APPROVAL OR REGECTION, PRIOR TO REMEDIAL OR CORRECTIVE ACTION TO BE IMPLEMENTED.

MISCELLANEOUS:

1. THESE GENERAL NOTES SUPPLEMENT THE PROJECT SPECIFICATIONS. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS. CONTRACTOR IS RESPONSABLE FOR COORDINATING SUCH REQUIREMENTS INTO THEIR SHOP DRAWINGS AND WORK.
3. NO OPENING SHALL BE MADE IN ANY STRUCTURAL MEMBER WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
4. NO CHANGE IN SIZE OR DIMENSION OF STRUCTURAL MEMBERS SHALL BE MADE WITHUOT THE WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
5. OPENING 1'-4" AND LESS ON A SIDE ARE GENERALLY NOT SHOWN ON THE STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SUCH OPENINGS.
6. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON STRUCTURAL FRAMING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED.
7. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT ONCE UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES.
8. DO NOT SCALE THESE DRAWINGS, USE DIMENSIONS.
9. CONTRACTOR'S CONSTRUCTION AND/OR ERECTION SEQUENCE SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD.
10. THE CONTRACTOR SHALL INFORM THE ARCHITECT/ENGINEER IN WRITING OF ANY DEVIATION FROM THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOT BE RELIEVED OF THE RESPONSIBILITY OF SUCH DEVIATION BY THE PROFESSIONAL OF RECORD REVIEW OF THE SHOP DRAWINGS, PRODUCT DATA, ETC., UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE PROFESSIONAL OF RECORD OF SUCH DEVIATION AT THE TIME OF SUBMISSION, AND THE PROFESSIONAL OF RECORD HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION.
11. CONCRETE ITEMS AND REINFORCEMENT SHALL BE ERECTED IN STRICT ACCORDANCE WITH OWNER APPROVED SHOP AND ERECTION DRAWINGS FOLLOWING THE DETAILS SHOWN ON PLANS.
12. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PRODUCE CORRECTLY ALIGNED CONCRETE AND STEEL ELEMENTS CONSIDERING AMONG OTHER THINGS, THE ELASTIC DEFORMATION OF THE STRUCTURAL MEMBERS.
13. WHERE "OWNER" IS MENTIONED IN PLANS IT IS TO BE UNDERSTOOD EITHER OWNER OR HIS AUTHORIZED REPRESENTATIVE.
14. CONTRACTOR SHALL SUBMIT FOR OWNERS' APPROVAL LOCATION AND DETAILS OF CONTRUCTION JOINTS IN SLABS AND BEAMS, AND IN ANY OTHER STRUCTURAL MEMBER.
15. CONTRACTOR MUST VERIFY ALL DIMENSIONS ON STRUCTURAL PLANS AGAINST THE DIMENSIONS ON ARCHITECTURAL PLANS BEFORE LAYING OUT THE WORK.
16. ALL STRUCTURES HAVE BEEN DESIGNED ACCORDING TO FINAL BEHAVIOR AND CONDITIONS. HOWEVER, DURING ERECTION OF SAME, CERTAIN CONDITIONS CAN ARISE FOR WHICH THE BEHAVIOR OR THE STRUCTURE HAS NOT BEEN CONTEMPLATED. THEREFORE, THE CONTRACTOR SHOULD PROVIDE AT ALL TIME ADEQUATE SHORING AND RESTORING UNTIL THE DESIGN CONDITION HAVE BEEN MET. IF THERE IS ANY DOUBT DURING ANY PHASE OF THE CONSTRUCTION, PLEASE CONSULT AND/OR NOTIFY THE STRUCTURAL DESIGNERS.
17. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING FIELD CONDITIONS PRIOR TO STARTING CONSTRUCTION. IF ANY DISCREPANCY ARISES IN THE STRUCTURAL AND ARCHITECTURAL PLANS, THE ARCHITECTS AND ENGINEERS SHALL BE NOTIFIED IMMEDIATELY. CONTRACTOR MUST PROVIDE, SET AND VERIFY DIMENSIONS AND LOCATION OF ALL ANCHORS, INSERTS BOLTS, SLEEVES, CODUITS, ETC., SHOWN OR NOTED IN ARCHITECTURAL AND/OR MECHANICAL AND PLUMBING PLANS.
19. PROVISION FOR DETAILS NOT SPECIFICALLY DRAN SHALL BE MADE BY THE CONTRACTOR IN ACCORDANCE WITH THE ACI-318-95 BUILDING CODE AND/OR AISC SPECIFICATIONS AND CLARIFIED WITH THE DESIGNER.
20. HORIZONTAL MOVEMENT OF ANY HEAVY EQUIPMENT OVER STRUCTURAL FLOORS OR ROOF AND ITS TEMPORARY AND/OR DEFINITE LOCATIONS MUST BE PREVIOUSLY APPROVED BY THE DESIGNER SO AS NOT TO OVERLOAD THE STRUCTURE OR IN ANY OTHER WAY IMPAIR THE STRUCTURE. SAME PRECAUTION SHALL BE TAKEN FOR THE PILING OF CONSTRUCTIONS MATERIAL SUPON THE STRUCTURE.
21. ALL DETAILS, SECTIONS AND NOTES SHOWN ON DRAWINGS AND INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE UNLESS NOTED.
22. IN CASE OF DOUBT IN THE INTERPRETATION OF ANY ASPECT OF THESE STRUCTURAL DRAWINGS AND/OR SPECIFICATIONS, DESIGNER SHALL BE CONSULTED.
23. AT HORIZONTAL JOINTS IN WALL AND COLUMNS, THE LOWER SURFACE SHALL BE THOROUGHLY CLEARED AND ALL WEAR OR LOOSE CONCRETE REMOVED FROM THERE BEFORE POURING THE UPPER CONCRETE. (SEE SPECS. FOR ADDITIONAL REQUIREMENTS). NO JOINT SHALL BE COVERED WITH PLASTER OR OTHERWISE WITHOUT A VISUAL EXAMINATION AND APPROVAL BY THE INSPECTOR.
24. NO DEFECTIVE CONCRETE SHALL BE CORRECTED OR COVERED WITH MORTAR, PLASTER ETC. WITHOUT THE INSPECTORS' APPROVAL.

QUALITY ASSURANCE:

1. THE OWNER WILL EMPLOY AND PAY FOR THE SERVICES OF AN INDEPENDENT TESTING AGENCY OR LABORATORY TO PROVIDE QUALITY ASSURANCE TESTING AND INSPECTIONS. THE TESTING AGENCY SHALL BE LICENSED IN THE COUNTRY WHERE THE STRUCTURE IS LOCATED AND ALL TESTING AND INSPECTIONS SHALL BE PERFORMED UNDER THE SUPERVISION OF AN ENGINEER REGISTERED IN THE COUNTRY WHERE THE STRUCTURE IS LOCATED.
2. FAILURE OF QUALITY ASSURANCE TESTING AND INSPECTIONS TO DETECT ANY DEFECTIVE WORK OR MATERIAL SHALL NOT IN ANY WAY PREVENT LATER REJECTION WHEN SUCH DEFECT IS NOTED, NOR SHALL IT OBLIGATE THE OWNER'S REPRESENTATIVE FOR FINAL ACCEPTANCE.
3. SEE SPECIFICATIONS FOR SPECIFIC REQUIREMENTS FOR QUALITY ASSURANCE TESTING AND INSPECTION:
   CONCRETE ACI-318-95
   REINFORCED MASONRY . . . . ASTM, CRSI, ACI
   STRUCTURAL STEEL . . . . . ASTM, AWS, AISC
   STEEL JOIST GIRDERS . . . . ASTM, AWS, SJI, AISC
   STEEL JOISTS . . . . . ASTM, AWS, SJI, AISC
   METAL ROOF DECK . . . . . ASTM, SDI, AISC
4. SEE GEOTECHNICAL REPORT FOR QUALITY ASSURANCE TESTING AND INSPECTIONS FOR FOUNDATION WORK.
5. THE TESTING AGENCY OR LABORATORY AND ITS REPRESENTATIVES ARE NOT AUTHORIZED TO REVOKE, ALTER, RELAX, ENLARGE OR RELEASE ANY PORTION OF THE WORK, PERFORM ANY DUTIES OF THE CONTRACTOR, OR BE A PARTY TO SHEDULING OF WORK.
6. THE CONTRACTOR SHALL NOTIFY THE TESTING AGENCY OR LABORATORY AND THE OWNER'S REPRESENTATIVE A MINIMUM OF 24 HOURS IN ADVANCE OF ALL WORK REQUIRING QUALITY ASSURANCE TESTING AND INSPECTIONS AND ALL REASONABLE FACILITIES SHALL BE MADE AVAILABLE FOR TECHNICIANS.
7. RECORDS OF INSPECTIONS SHALL BE KEPT AVAILABLE TO THE BUILDING OFFICIAL DURING PROGRESS OF THE WORK AND TWO YEARS AFTER COMPLETION OF THE PROJECT. RECORDS SHALL BE PRESERVED BY THE INDEPENDENT TESTING AGENCY.
8. ALL SLABS ON GROUND SHALL REST UPON EXISTING OR GRADED COMPETENT SUBSOIL MATERIAL OR UPON COMPACTED OR SELECTED WELL COMPACTED FILL MATERIAL, IN ACCORDANCE WITH LATEST AASHTO SPECIFICATIONS FOR FILL SOIL MATERIAL CLASSIFICATION AND COMPACTION REQUIREMENTS.

Tension Development Length (ld), (inches)

(Minimum Straight Embedment length) for bars spaced less than 6" in, c.c.

Bar Size	f'c=3,000 psi		f'c=3,750 psi		f'c=4,000 psi		f'c=5,000 psi		f'c=6,000 psi	
	Top Bars	Other Bars	Top Bars	Other Bars	Top Bars	Other Bars	Top Bars	Other Bars	Top Bars	Other Bars
#3	13	12	13	12	13	12	13	12	13	12
#4	17	12	17	12	17	12	17	12	17	12
#5	21	15	21	15	21	15	21	15	21	15
#6	27	19	25	18	25	18	25	18	25	18
#7	37	26	33	24	32	23	29	21	29	21
#8	48	35	43	31	42	30	38	27	34	25
#9	61	44	55	39	53	38	48	34	43	31
#10	78	56	70	50	67	48	60	43	55	39
#11	96	68	86	61	83	59	74	53	68	48
#14	130	93	117	83	113	81	101	72	92	66
#18	169	120	151	108	146	104	131	93	119	85

Basic Tension Splices For Grade 60 Bars

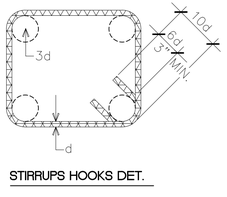
Bar Size	CLASS A,B, & C LAP SPLICE LENGTHS (INCHES) f'c=3,000 A	B	C	f'c=4,000 A	B	C	f'c=5,000 A	B	C
#3	12	16	20	12	16	20	12	16	20
#4	12	16	20	12	16	20	12	16	20
#5	15	20	26	15	20	26	15	20	26
#6	19	25	33	18	24	31	18	24	31
#7	26	34	45	23	30	39	21	27	36
#8	35	45	59	30	30	51	27	35	46
#9	44	57	74	38	49	65	34	44	58
#10	56	72	95	48	63	82	43	56	73
#11	68	89	116	59	77	101	53	69	90

NOTE:
FOR OTHER CONDITIONS, CONSULT STRUCTURAL ENGINEERS
A. WHEN 33% OF BARS AT SECTION ARE CUT.
B. WHEN 50% OF BARS AT SECTION ARE CUT.
C. WHEN 100% OF BARS AT SECTION ARE CUT.

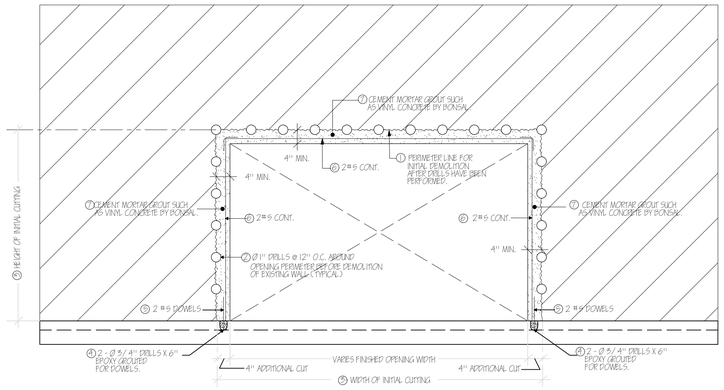
Tension Development Length (ld), (inches)

(Minimum Straight Embedment length) for bars spaced 6" in, or more c.c.

Bar Size	f'c=3,000 psi		f'c=4,000 psi		f'c=5,000 psi	
	Top Bars	Other Bars	Top Bars	Other Bars	Top Bars	Other Bars
#3	12	12	12	12	12	12
#4	14	12	14	12	14	12
#5	17	12	17	12	17	12
#6	22	15	20	14	20	14
#7	30	21	26	18	23	17
#8	38	28	34	24	30	22
#9	49	35	42	30	38	27
#10	62	45	54	38	48	34
#11	77	54	66	47	59	42
#14	104	74	90	65	81	58
#18	135	96	117	83	105	74



STIRRUPS HOOKS DET.



WALL OPENING TYPICAL DETAIL

DEMOLITION & REPAIRING SEQUENCE

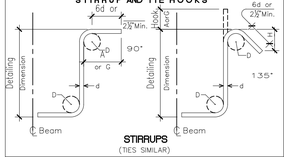
1. DELINEATE PERIMETER LINE OF INITIAL DEMOLITION AS IN FIGURE.
2. PERFORM DRILLS AS SHOWN, ø 1" @ 12" O.C. ON FIGURE.
3. CUT INITIAL OPENING AS SHOWN ON FIGURE.
4. BORE DRILLS FOR DOWELS @ WALL BOTTOM OR FOOTING.
5. INSTALL 2#5 DOWELS X 2'-0" AND GROUT WITH EPOXY COMPOUND
6. GROUT WITH VINYL CONCRETE AROUND OPENING PERIMETER AND DRILL HOLES FOR FINISHED DIMENSIONS.

ASTM STANDAR REINFORCING BARS

BAR SIZE DESIGNATION	WEIGHT POUNDS PER FOOT	NOMINAL DIMENSIONS-ROUND SECTIONS DIAMETER INCHES	CROSS SECTIONAL AREA SQ. INCHES	PERIMETER INCHES
#3	.376	.375	.11	1.178
#4	.668	.500	.20	1.571
#5	1.043	.625	.31	1.963
#6	1.502	.750	.44	2.356
#7	2.044	.875	.60	2.749
#8	2.670	1.000	.79	3.142
#9	3.400	1.128	1.00	3.544
#10	4.303	1.270	1.27	3.990
#11	5.313	1.410	1.56	4.430
#14	7.65	1.693	2.25	5.32
#18	13.60	2.257	4.00	7.09

SUPERSEDES CARDS ISSUED PRIOR TO JAN. 1978

STIRRUP AND TIE HOOKS

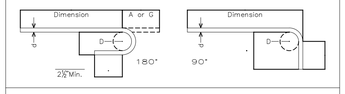


STIRRUPS (TIES SIMILAR)

RECOMMENDED STIRRUP AND TIE HOOK DIMENSIONS
Grades 40-50-60 ksi

Bar Size	D (in)	90 HOOK Hook A or G	135 HOOK Hook A or G	135 HOOK Approx. H
#3	1½"	4	4	2¾"
#4	2"	4½	4½	3"
#5	2½"	6	5½	3¾"

ACI/ASTM STANDARD HOOKS



SIZES OF 180-DEG. HOOKS
All Grades
D=6d for #3 through #8
D=8d for #9 #10 and #11
D=10d for #14 and #18

SIZES OF 90-DEG. HOOKS
All Grades
D=6d for #3 through #8
D=8d for #9 #10 and #11
D=10d for #14 and #18

RECOMMENDED END HOOK DIMENSIONS

Bar Size	180 HOOKS All Grades A or G	J	90 HOOKS All Grades A or G
#3	5	3	6
#4	6	4	8
#5	7	5	10
#6	8	6	1-0
#7*	10	7	1-2
#8*	11	8	1-4
#9*	1-3	11¼	1-7
#10*	1-5	1-0¾	1-10
#11*	1-7	1-2¼	2-0
#14	2-2	1-8¾	2-7
#18	2-11	2-3	3-5

* These sizes-Grade 40-check availability. Sizes #14, #18, check availability; no Grade 40 under ASTM.

Notes:

1.0 Do not scale dimensions from drawings, Dimensions govern.
2.0 All dimensions are in feet and inches, unless noted otherwise.
3.0 The contractor shall check all dimensions, levels and angles on site prior to commencing any work.
4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.
5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS			
NO. #	DATE	ISSUING REASON	

PROFESSIONAL SEAL

JOSE O. GONZALEZ GARCIA
INGENIERO LICENCIADO
LIC. #6588
PUERTO RICO

IDENTIFICACION - CERTIFICATE - FIRM NAME

Yo, José O. González García, ingeniero civil, certifico que soy el profesional que diseñó, confeccionó y supervisó los cálculos y las especificaciones complementarias, también certifico que entiendo que dichos cálculos y especificaciones cumplen con las disposiciones aplicables de los reglamentos vigentes de las agencias públicas con jurisdicción, certifico, además, que en la preparación de estos cálculos y especificaciones no he cumplido cabalmente con lo dispuesto en la Ley 14-2004, según enmendada, conocida como "Ley para la inversión por la industria puertorriqueña" y con la Ley núm. 96 de 6 de julio de 2004, según enmendada, reconozco que cualquier declaración falsa o fabricación de los mismos que sea de mi producción por desconocimiento o por negligencia ya sea por mí, mis agentes o empleados o por otras personas con el conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

YO JURO:
MAYARQUE BOTELLO, LICENCIA 19865,
CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ, CONFECCIONÓ Y PREPARÓ ESTOS PLANOS Y ESPECIFICACIONES COMPLEMENTARIAS, CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS VIGENTES DE LAS AGENCIAS, JUNTOS REGLAMENTANDOSAS O COMPETENTES. RACIONAL PUBLICAR CON JURISDICCIÓN. CERTIFICO, ADEMÁS, QUE EN LA PREPARACIÓN DE ESTOS PLANOS Y ESPECIFICACIONES CUMPLIDO CABALMENTE CON LO DISPUESTO

STRUCTURAL NOTES

STEEL:

1. ALL STRUCTURAL STEEL SHALL MEET A–36 A.S.T.M. STANDARD AND HAVE A YIELD–STRENGTH OF 36 KSI.
2. FABRICATION AND ERECTION SHALL MEET AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDING LATEST EDITION.
3. ALL WELDING SHALL MEET THE AMERICAN WELDING SOCIETY STANDARDS.
4. SHOP CONNECTIONS SHALL BE WELDED USING E70XX ELECTRODES MEETING A–233 A.S.T.M. SPECIFICATIONS.
5. ALL STEEL SHALL HAVE A SHOP COAT OF RED OXIDE PAINT.
6. MANUFACTURER'S FINAL SHOP DRAWING AND SPECIFICATIONS ARE REQUIRED BY DESIGNER FOR APPROVAL.
7. THE FOLLOWING MINIMUM STANDARDS APPLY, UNLESS OTHERWISE NOTED:
   A) WELD SIZE SHALL BE 3/16"
   B) BOLT DIAMETER SHALL BE 3/4"
   C) PLATE THICKNESS SHALL BE 3/8"
   D) CONNECTION ANGLE THICKNESS SHALL BE 5/16"
   E) CONNECTIONS SHALL HAVE 2 BOLTS
8. ONE HIGH STRENGTH BOLT ASSEMBLY SHALL CONSIST OF A SEMI–FINISHED HEXAGONAL

   A LOAD INDICATOR WASHER.

   LOAD CAPACITY SHOWN IN THE TABLES OF UNIFORM LOAD CONSTANTS, WHICHEVER IS GREATER.
10. ALL PROJECTING CORNERS, EXPOSED EDGES, BURRS AND SHARP EDGES SHALL GROUND SMOOTH.
    HEAD BOLT, A HEAVY SEMI–FINISHED HEXAGONAL NUT, A HARDENED STEEL WASHER, AND

CONCRETE:

9. BOLTED FRAME CONNECTIONS SHALL BE BEARING TYPE, ACCORDING TO THE AISC MANUAL
1. CONCRETE SHALL DEVELOP A 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI. UNLESS OTHERWISE STATED.
2. ALL REINFORCING STEEL BARS SHALL BE NEW BILLET DEFORMED HIGH STRENGTH GRADE STEEL CONFORMING TO ASTM A–615 LATEST EDITION (FY=60,000 PSI).
3. ALL DETAILING, FABRICATION AND PLACING OF REINFORCED BARS INCLUDING ACCESSORIES AND SUPPORTS SHALL FOLLOW THE LATEST ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES ACI 315.
4. VAPOR BARRIER FOR STRUCTURAL CONCRETE FLOOR SLAB SHALL BE PROVIDED BY SIX (6) MILL THICK OF POLYETHYLENE RUBBER SHEET.
5. ALL LAPPING, BENDING AND PLACING OF REINFORCEMENT SHALL BE DONE IN ACCORDANCE WITH ACI 318–95 BUILDING CODE.
6. MINIMUM STEEL PROTECTION SHALL BE AS FOLLOWS: A)FOOTING, 3" BOTTOM AND SIDE, B)SLAB ON GROUND 2", C)WALLS 3/4" INTERIOR FACE, 1 1/2" EXT. FACE; BEAMS AND COLUMNS 1 1/2" C.C. SLABS 3/4" C.C.
7. ALL SLABS AND CORRESPONDING BEAMS, CURBS OR APRONS SHALL BE POURED MONOLITHIC.
8. ALL BLOCK WALLS SHALL BE ANCHORED TO THE FLOOR GROUND SLAB BY MEANS OF #3 BARS HOOKED A MINIMUM OF 6 INCHES INTO THE SLAB AND SPACED A MINIMUM OF 16 IN. OR #4 BARS HOOKED A MINIMUM OF 8 INCHES INTO THE SLAB AND SPACED A MINIMUM OF 32 INCHES, UNLESS OTHERWISE CALLED FOR ON THE DRAWINGS.
9. CONCRETE ITEMS AND REINFORCEMENT SHALL BE ERECTED IN STRICT ACCORDANCE OWNER APPROVED SHOP AND ERECTION DRAWINGS FOLLOWING THE DETAILS SHOWN ON PLANS.
10. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PRODUCE CORRECTLY ALIGNED CONCRETE CONSIDERING AMONG OTHER THINGS, THE ELASTIC DEFORMATION OF THE STRUCTURAL MEMBERS.
11. ALL SLEEVES, CONDUITS, INSERTS AND BOLTS SHALL BE IN PLACE BEFORE CONCRETE IS POURED.
12. ALL OPENINGS IN CONCRETE WALLS OR SLABS SHALL BE REINFORCED AROUND WITH 2#5 BARS PLACED AT 2 IN. FRONT HE FACE & EXTENDING 24 IN. BEYOND CORNERS, UNLESS OTHERWISE CALLED FOR IN DRAWINGS.
13. WHERE "OWNER" IS MENTIONED IN PLANS IT IS TO BE UNDERSTOOD EITHER OWNER OR HIS AUTHORIZED REPRESENTATIVE.
14. TEMPERATURE REINFORCEMENT SHALL BE PROVIDED IN ALL ONE WAY SLAB NORMAL TO THE PRINCIPAL REINFORCEMENT IN ACCORDANCE WITH ACI 318–89 BUILDING CODE.
15. FOR CONSTRUCTION JOINTS IN STRUCTURAL MEMBERS A VERTICAL BULKHEAD AN KEY JOINT MUST BE PROVIDED.
16. ALL NEGATIVE REINFORCEMENT (TOP REINF.) & POSITIVE REINFORCEMENT, (BOTTOM REINF.) IN SLABS AND BEAMS SHALL BE EXTENDED BEYOND THE CENTER LINE OF THE END SUPPORTS IN ACCORDANCE WITH ACI 318–95 BUILDING CODE, UNLESS OTHERWISE CALLED FOR IN DRAWINGS.
17. CONTRACTOR SHALL SUBMIT FOR OWNER'S APPROVAL LOCATION AND DETAILS OF CONSTRUCTION JOINTS IN SLABS AND BEAM, AND IN ANY OTHER STRUCTURAL MEMBERS.
18. FOR REBAR SUPPORT USE CHAIRS BY DAYTON SUPERIOR OR SIMILAR.
19. CONTRACTOR MUST VERIFY ALL DIMENSIONS ON STRUCTURAL PLANS AGAINST THE DIMENSIONS ON ARCHITECTURAL PLANS BEFORE LAYING OUT THE WORK.

DESIGN REFERENCES:

1. THE FOLLOWING REFERENCE DOCUMENTS, THEIR COMMENTARIES AND THE STANDARS REFERENCED THEREIN, SHALL APPLY TO THE DESIGN, FABRICATION, AND CONSTRUCTION PRACTICES TO BE ADHERED TO WITH REGARD TO THE WORK SHOWN ON THESE DRAWINGS:

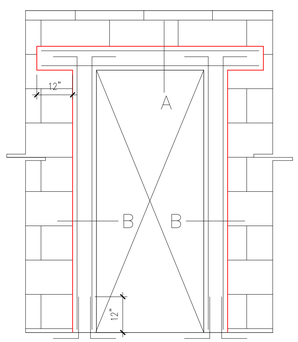
   A) UNIFORM BUILDING CODE, 1997 EDITION
   B) AISC MANUAL OF STEEL CONSTRUCTION, 13TH. EDITION
   C) BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318–05)

DESIGN LOADS:

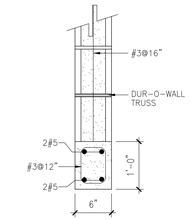
1. LIVE LOADS:
   20 PSF ROOF
2. WIND LOADS WERE OBTAINED FROM THE UBC–97 BUILDING CODE.
3. SEISMIC LOADS WERE OBTAINED FROM THE UBC–97 BUILDING CODE.

SOIL:

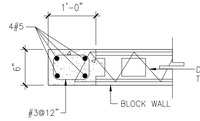
1. SOIL BEARING CAPACITY: 2,000 PSF ASSUMED.
   THE OWNER WILL EMPLOY AND PAY FOR THE SERVICES OF AN INDEPENDENT TESTING AGENCY OR LABORATORY TO PROVIDE A GEOTECHNICAL REPORT.
2. ALL STRUCTURE HAVE BEEN DESIGNED ACCORDING TO FINAL BEHAVIOR AND CONDITIONS HOWEVER, DURING ERECTION OF SAME, CERTAIN CONDITIONS CAN ARISE FOR WHICH THE BEHAVIOR OF THE STRUCTURE HAS NOT BEEN CONTEMPLATED. THEREFORE THE CONTRACTOR SHOULD PROVIDE AT ALL TIME ADEQUATE SHORING AND RESHORING UNTIL THE DESIGN CONDITIONS HAVE BEEN MET. IF THERE IS ANY DOUBT DURING ANY PHASE OF THE CONSTRUCTION, PLEASE CONSULT AND/OR NOTIFY THE STRUCTURAL DESIGNER.
3. FOR CONCRETE FORM WORK, SURFACE FINISHING, BEVELED CORNERS AND DRIPS, SEE ARCHITECTURAL PLANS.
4. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING FIELD CONDITIONS PRIOR TO STARTING CONSTRUCTION. IF ANY DISCREPANCY ARISES IN THE STRUCTURAL AND ARCHITECTURAL PLANS THE ARCHITECTS AND ENGINEERS SHALL BE NOTIFIED IMMEDIATELY.
5. CONTRACTOR MUST PROVIDE, SET AND VERIFY DIMENSIONS AND LOCATION OF ALL ANCHORS, INSERTS BOLTS, SLEEVES, CONDUITS, ETC., SHOWN OR NOTED IN ARCHITECTURAL AND/OR MECHANICAL AND PLUMBING PLANS.
6. PROVISIONS FOR DETAILS NOT SPECIFICALLY DRAWN SHALL BE MADE BY THE CONTRACTOR IN ACCORDANCE WITH THE ACI 318–95 BUILDING CODE AND/OR A.I.S.C. SPECIFICATIONS AND CLARIFIED WITH THE DESIGNER.
7. HORIZONTAL MOVEMENT OF ANY HEAVY EQUIPMENT OVER STRUCTURAL FLOOR OR ROOF AND ITS TEMPORARY AND/OR DEFINITE LOCATIONS MUST PREVIOUSLY APPROVED BY THE DESIGNER SO AS NOT TO OVERLOAD THE STRUCTURE OR IN ANY OTHER WAY IMPAIR THE STRUCTURE, SAME PRECAUTION SHALL BE TAKEN FOR THE PILING OF CONSTRUCTION MATERIALS.
8. ALL TEST FOR PROPERTIES OF CONCRETE AGGREGATES, CEMENT, CONCRETE STRENGTH BY CYLINDERS, SLUMP TEST AND VIBRATION OF CONCRETE AND OTHER TESTS REQUIRED FOR CONCRETE IN THE SPECIFICATIONS, SHALL BE PERFORMED UNDER THE SUPERVISION OF A CERTIFIED TESTING LABORATORY TO BE APPROVED BY THE OWNER AND ARCHITECTS/ENGINEERS.
9. POURING OF CONCRETE SHALL NOT BE STARTED UNTIL STEEL HAS BEEN PLACED AND APPROVED BY THE ENGINEER OR HIS AUTHORIZED REPRESENTATIVE.
10. ALL INTERIOR AND EXTERIOR BLOCK WALLS SHALL BE REINFORCED WITH "DUR–O–WAL" TRUSS OR APPROVED MATERIAL HAVING EQUAL EFFECTIVE AREA OF STEEL, MORTAR BOND AND APPLICABLE BUILDING CODE APPROVAL. MATERIAL SHALL BE MANUFACTURED FROM UNCOATED NO. 8 GAGE WIRE CONFORMING TO THE REQUIREMENTS OF ASTM–A–32 OR SIMILAR. "DUR–O–WAL" TRUSS SHALL BE INSTALLED EVERY OTHER BLOCK COURSE.
11. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROVIDE ADEQUATE VERTICAL AND LATERAL SUPPORT TO ALL MEMBERS DURING ALL CONSTRUCTION STAGES.
12. PROVIDE DOWELS IN WALL AND COLUMN FOOTINGS EQUAL IN SIZE AND NUMBER TO VERTICAL REINFORCEMENT, EXTENDING A TENSION SPLICE LENGTH INTO WALL OR COLUMN AND 40 BAR DIAMETER INTO FOOTING. (THE LATERAL SHALL BE EXTENDED AS NECESSARY TO PROVIDE A MINIMUM HORIZONTAL LEG RESTING ON FOOTING REINFORCEMENT. EQUAL TO THE CORRESPONDING HOOK LENGTH FOR THE BAR SIZE.
13. MAIN OPENINGS ARE SHOWN IN THE STRUCTURAL PLANS, HOWEVER, FOR EXACT SIZE AND LOCATION OF ALL OPENINGS SEE REST OF PLANS. NO OPENING, SLOT OR GROOVE SHALL BE MADE IN ANY STRUCTURAL MEMBER WITHOUT PREVIOUS APPROVAL AND/OR PROVISIONS BY THE STRUCTURAL ENGINEER.
14. ALL LINES STARTING AT ANY LOWER EDGE OF A FOOTING AND EXTENDED WITH A SLOPE 2 HORIZONTAL TO 1 VERTICAL SHALL REMAIN WITHIN UNDISTURBED SOIL AND SHALL NOT INTERSECT THE BOTTOM OF ANY OTHER THAT MAY ARISE FROM THE FOOTING ELEVATIONS GIVEN IN THE PLANS AND NOT MEETING THE ABOVE REQUIREMENT.
15. CONCRETE SHALL NOT BE DROPPED THROUGH REINFORCING STEEL (AS IN WALL) SO AS TO CAUSE SEGREGATION OF AGGREGATES IN SUCH CASES, HOPPERS OR VERTICAL CHUTES OR TRUNKS SHALL BE USED. THE FREE UNCONFINED FALL OF CONCRETE SHALL NOT EXCEED THE ABOVE REQUIREMENTS.
16. ALL DETAILS, SECTIONS AND NOTES SHOWN ON DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE UNLESS OTHERWISE NOTED.
17. IN CASE OF DOUBT IN THE INTERPRETATION OF ANY ASPECT OF THESE STRUCTURAL DRAWINGS AND/OR SPECIFICATIONS, THE DESIGNER SHALL BE CONSULTED.
18. AT HORIZONTAL JOINTS IN WALLS & COLUMNS, THE LOWER SURFACE SHALL BE THOROUGHLY CLEANED AND ALL WEAR OR LOOSE CONCRETE REMOVED THERE FROM BEFORE POURING THE UPPER CONCRETE. (SEE SPECS. FOR ADDITIONAL REQUIREMENTS). NO JOINT SHALL BE COVERED WITH PLASTER OR OTHERWISE WITHOUT A VISUAL EXAMINATION AND APPROVAL BY THE INSPECTION.
19. NO DEFECTIVE CONCRETE SHALL BE CORRECTED OR COVERED WITH MORTAR PLASTER, ETC. WITHOUT THE INSPECTOR'S APPROVAL.
20. THE SIZE OF NAILS AND SIMILAR FASTENERS DRIVEN INTO CONCRETE SHALL, BE SUCH, AS NOT TO CRACK OR IMPAIR IT, NEVERTHELESS IF THE CONCRETE IS DAMAGE, IT SHALL BE PROPERLY REPAIRED AFTER REMOVING THE DAMAGE PORTION AND SUITABLE JOINT SURFACE ARE PROVIDED.
21. ALL FORM WORK FOR FLEXURAL MEMBERS SHALL BE BUILT WITH A CAMBER CORRESPONDING TO ITS OWN DEFORMATION PLUS THE STRUCTURE DEAD LOAD DEFORMATIONS. IN DETERMINING THE AMOUNT OF CAMBER, THE CONTRACTOR SHALL HAVE THE ASSISTANCE OF THE DESIGNER WHERE SO REQUESTED.
22. ALL CAST IN PLACE REINFORCED CONCRETE STRUCTURAL MEMBERS SHALL BE PROPERLY CURED IN ACCORDANCE WITH ACI–318–89.



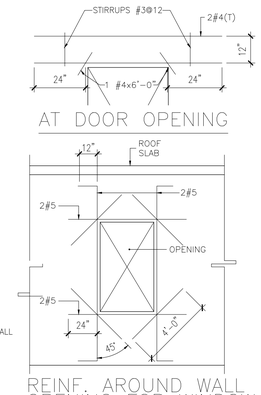
ELEVATION AT CONCRETE WALL



SECTION–A



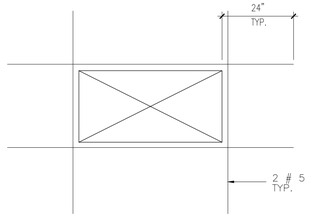
SECTION–B



REINF. AROUND WALL OPENING FOR WINDOW

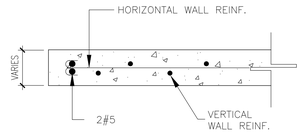
TYPICAL DOOR & WINDOW OPENING & CONCRETE & BLOCK WALLS

NOT TO SCALE



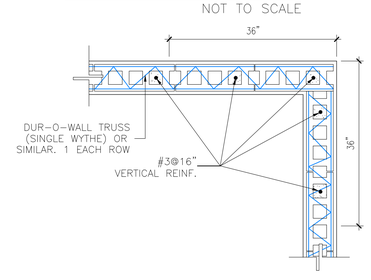
TYPICAL SLAB OPENING

NOT TO SCALE



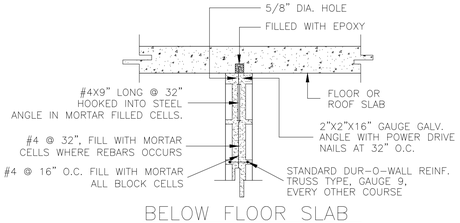
STRUCTURAL WALLS
END CONDITION

NOT TO SCALE

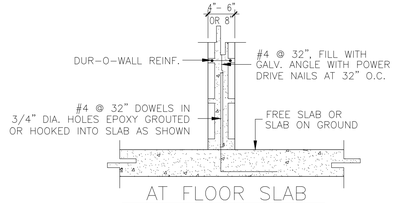


ADDITIONAL REINFORCEMENT FOR
BLOCK WALL CORNER DETAIL

NOT TO SCALE

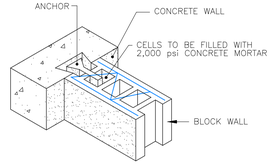


BELOW FLOOR SLAB



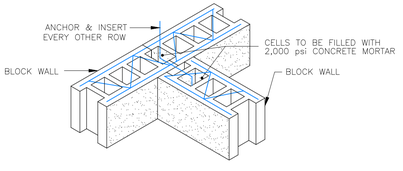
AT FLOOR SLAB
WALL ANCHORAGE DETAILS

NOT TO SCALE



TYPICAL ANCHORAGE DETAIL OF
BLOCK WALL TO CONCRETE WALL

NOT TO SCALE



TYPICAL ANCHORAGE DETAIL OF
BLOCK WALL TO BLOCK WALL

NOT TO SCALE

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REVISIONS

NO. #	DATE	ISSUING REASON
-	-	-

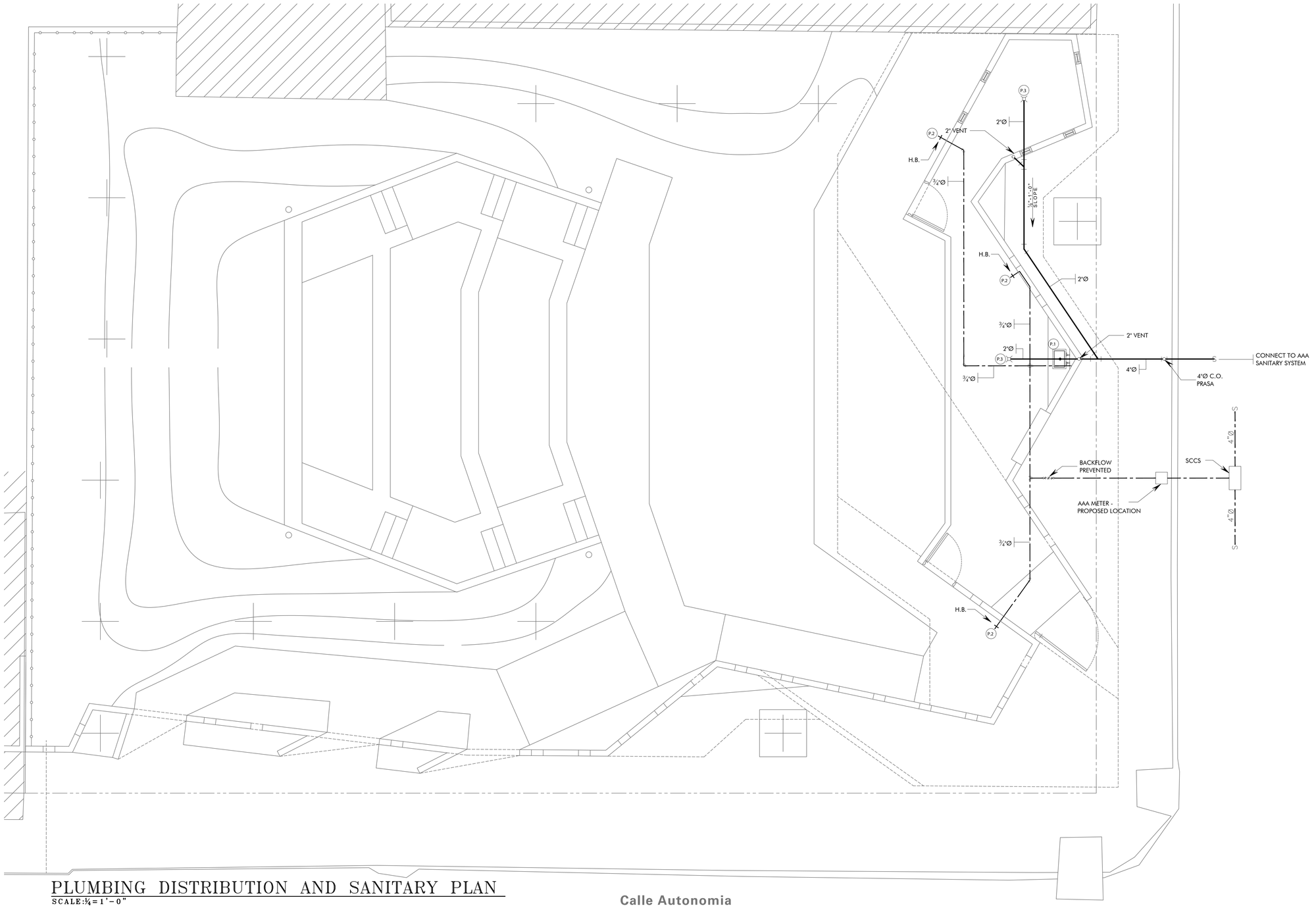
PROFESSIONAL SEAL

JOSE O. GONZALEZ
INGENIERO
LICENCIADO
LIC. #6588
PUERTO RICO

Yo, José O. González García, #6588, certifico que soy el profesional que diseñó, confeccionó y selló estos planos y las especificaciones complementarias, también certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables de los reglamentos vigentes de construcción vigentes de las agencias, juntas reglamentadoras o jurisdicción pública con jurisdicción, certifico, además, que en la preparación de estos planos y especificaciones se ha cumplido cabalmente con lo dispuesto en la Ley 14-2004, según enmendada, conocida como la Ley para la inversión por la industria puertorriqueña" y con la ley núm. 96 de 6 de julio de 2000, según enmendada, reconoce que cualquier declaración falsa o falsificación de los documentos que se han producido por desconocimiento o por negligencia ya sea por mí, mis agentes o empleados o cualquier persona con en conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

IDENTIFICACIÓN - CERTIFICATE / FIRM NAME

YO, JOSÉ O. GONZÁLEZ GARCÍA, #6588, CERTIFICO QUE SOY EL PROFESIONAL QUE DISEÑÓ, CONFECCIONÓ Y PREPARÓ ESTOS PLANOS Y ESPECIFICACIONES COMPLEMENTARIAS, TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CUMPLEN CON JURISDICCIÓN PÚBLICA, CERTIFICO, ADEMÁS, QUE EN LA PREPARACIÓN DE ESTOS PLANOS Y ESPECIFICACIONES HE CUMPLIDO CABALMENTE CON LO DISPUESTO EN LA LEY NÚMERO 96 DEL 6 DE JULIO DE 2000, SEGÚN ENMENDADA, CONOCIDA COMO LA "LEY PARA LA INVERSIÓN POR LA INDUSTRIA PUERTORRIQUEÑA" Y CON



PLUMBING DISTRIBUTION AND SANITARY PLAN

SCALE: ¼ = 1'-0"

Calle Autonomia

LEGEND:

1"Ø W.M.	1"Ø NEW FIRE WATER METER BOX (SEE DETAIL ON P3.0 DWG.)
C.O. PRASA	CLEAN OUT PRASA
	BACK FLOW PREVENTER
	SERVICE CLAM WITH CORPORATION STOP
	POTABLE WATER LEVEL

FIXTURE SCHEDULE					
ID	DESCRIPTION	COLD WATER	HOT WATER	DRAINAGE	REQ.
P-1	SINK	½"	N/A	2	1
P-2	HOSE BIB	½"	N/A	N/A	3
P-3	FLOOR DRAIN	N/A	N/A	2	2

AAA-RO-23-03-0016
(6 UNIDADES EQUIVALENTES)
OGPE-2023-480217-SRI-066301

BID SET January 10, 2025

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REVISIONS

REV. #	DATE	ISSUING REASON
-	-	-

PROFESSIONAL SEAL

JOSE O. GONZALEZ
INGENIERO
LICENCIADO
LIC. #6588
PUERTO RICO

CERTIFICACION - CERTIFICATE - FIRM NAME

YO LUIS MANUEL REYES LEDUC 19001 CERRO CLE SUR EL PARQUE CLE CERRO MEDIO HYMANGOS PUNO, CERTIFICO QUE LOS PLANOS Y ESPECIFICACIONES ADJUNTOS FUERON PREPARADOS BAJO MI SUPERVISION Y CUMPLEN CON LAS ORDENANZAS Y REGLAMENTOS APLICABLES DE LA AUTORIDAD DE CARRETERAS Y TRANSPORTACION DE PUERTO RICO Y LA OFICINA DE GERENCIA DE PERMISOS (OGPE) Y DEMAS AGENCIAS CONCERNIENTES. ESTOS PLANOS Y ESPECIFICACIONES CUMPLEN CABALMENTE CON LA LEY NUM. 416 DE 22 DE SEPTIEMBRE DE 2004, CONOCIDA COMO LEY DE ACCESIBILIDAD AL AMBIENTE FISICO, SEGUN ENMENDADA POR LA LEY NUM. 97 DE 10 DE JUNIO DE 2006, CONOCIDA COMO LA LEY PARA LA REFORMACION DE LA LEY NUM. 416 DE 22 DE SEPTIEMBRE DE 2004, Y LA LEY NUM. 238 DE 31 DE AGOSTO DE 2004, CONOCIDA COMO LA CARTA DE DERECHOS DEL USUARIO DE LA CONSTRUCCION, SEGUN ENMENDADA POR LA LEY NUM. 278 DE 30 DE NOVIEMBRE DE 2006, Y LA LEY NUM. 76 DE 5 DE AGOSTO DE 2019, CONOCIDA COMO LA LEY PARA LA REFORMACION DEL PROCESO DE OTORGACION DE PERMISOS DE USO Y DE OTRAS DISPOSICIONES LEGALES RELACIONADAS AL DESARROLLO ECONOMICO DE PUERTO RICO. ASIMISMO, CERTIFICO QUE SOY EL DUEÑO DE LOS DERECHOS DE AUTOR DE LOS PLANOS Y ESPECIFICACIONES ANTES MENCIONADOS, LOS CUALES SON ORIGINALES Y FUERON PREPARADOS POR MI O BAJO MI SUPERVISION DIRECTA. ESTOS NO HAN SIDO COPIADOS O REPRODUCIDOS DE OTRA FUENTE, EXCEPTO AQUELLOS QUE HAN SIDO ADQUIRIDOS POR MI DE FUENTES QUE ESTOY AUTORIZADO A VENDER O REPRODUCIR. ESTOS PLANOS Y ESPECIFICACIONES NO INFRINGEN EN NINGUN DERECHO DE AUTOR EXISTENTE. ESTOY DISPUESTO A RESPONDER POR CUALQUIER RECLAMACION QUE SE PRESENTE EN CONTRA DE LOS MISMOS Y A DEFENDER, INDEMNIZAR Y EXIMIR DE RESPONSABILIDAD A LA AUTORIDAD DE CARRETERAS Y TRANSPORTACION DE PUERTO RICO Y LA OFICINA DE GERENCIA DE PERMISOS (OGPE) POR CUALQUIER RECLAMACION QUE SE PRESENTE EN CONTRA DE LOS MISMOS POR LA VIOLACION DE DERECHOS DE AUTOR. ESTOS PLANOS Y ESPECIFICACIONES NO PODRAN SER UTILIZADOS PARA OTRO PROYECTO QUE NO SEA EL DESCRITO EN LOS MISMOS SIN LA AUTORIZACION ESCRITA DEL AUTOR DE LOS MISMOS. ESTA AUTORIZACION DEBERA SER OBTENIDA ANTES DE UTILIZAR LOS PLANOS Y ESPECIFICACIONES EN OTRO PROYECTO. EL USO NO AUTORIZADO DE LOS PLANOS Y ESPECIFICACIONES CONSTITUIRA UNA VIOLACION A LA LEY DE DERECHOS DE AUTOR DE LOS ESTADOS UNIDOS DE AMERICA Y SUS ENMIENDAS. ESTOS PLANOS Y ESPECIFICACIONES SON PROPIEDAD INTELECTUAL DE LA FIRMA DE ARQUITECTURA Y ESTUDIO.

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studio
landscape . architecture . product
4777 Av. Isla Verde, Edificio Isla Verde Mall - Suite 321
Carolina, PR. 00979 - Office Tel. +1 (787) 236-0839
e-mail: info@informationstudio.com

PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

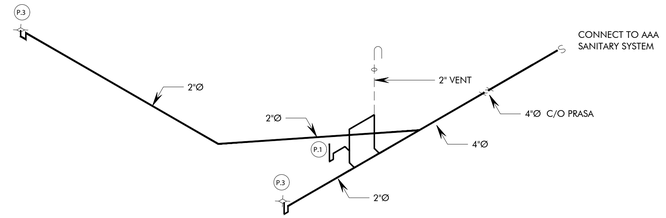
DWG. TITLE

Plumbing Plan

CLIENT
Municipality of Canóvanas -
Hon. Lornna J. Soto

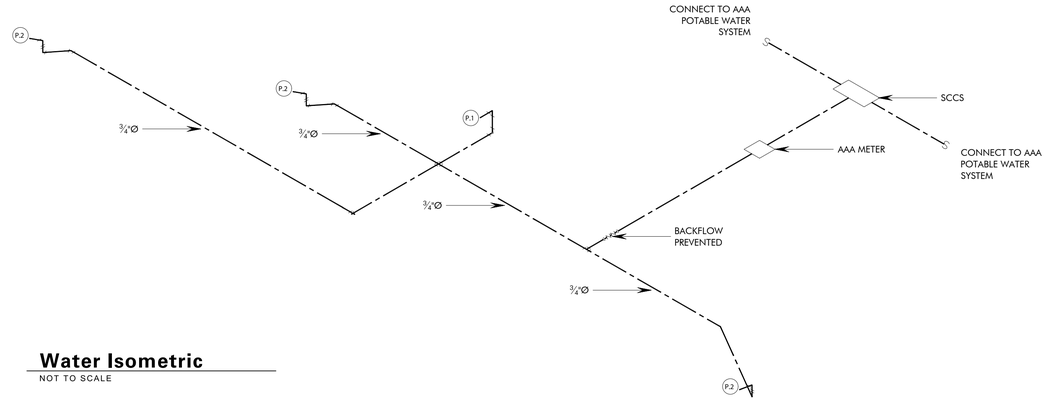
PROJECT # 22-02
PROJECT PHASE Construction Docs - 100%
SHEET # 31
DRAWN BY krs
DATE 19.xi.2024
DISCIPLINE

P-1.0



Sanitary Isometric

NOT TO SCALE



Water Isometric

NOT TO SCALE

Legend

COLD WATER LINE

SANITARY LINE

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REVISIONS

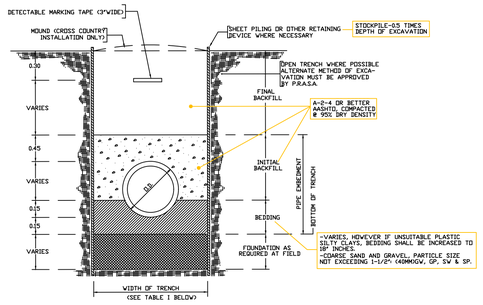
REV. #	DATE	ISSUING REASON
-	-	-

PROFESSIONAL SEAL

JOSE O. GONZALEZ
INGENIERO
LICENCIADO
LIC. #6588
PUERTO RICO

IDENTIFICACION - COPYRIGHTS / FIRM NAME

YO LUIS MANUEL REBOLLO GARCÍA 19001 CERRO CLE STE EL MIRADOR, CLE DERECHOSDENOMINADOS PARA LA PRESENTE OBRA ARQUITECTÓNICA COPYRIGHTS DE LOS DEMÁS PLANOS Y ESPECIFICACIONES COMPLEMENTARIAS DESARROLLADOS POR LOS ARQUITECTOS Y CONSULTORES DE LA OBRA. ESTOS PLANOS Y ESPECIFICACIONES NO SE PODRÁN USAR PARA NINGÚN OTRO PROYECTO QUE NO SEA EL DESCRITO AQUÍ SIN EL CONSENTIMIENTO ESCRITO DE LOS ARQUITECTOS. ESTOS PLANOS Y ESPECIFICACIONES NO SE PODRÁN COPIAR O REPRODUCIR EN NINGUNA FORMA SIN EL CONSENTIMIENTO ESCRITO DE LOS ARQUITECTOS



TRENCH DETAILS FOR PIPE

TABLE I WIDTH OF TRENCH	
DIAMETER (INCHES)	* WIDTH OF TRENCH AT TOP OF PIPE
4" – 14"	O.D. + 24"
16" – 54"	O.D. + 36"

NOTE:

- WHENEVER MOVABLE SHEET PILING OR OTHER TRENCH PROTECTION IS USED BELOW THE TOP OF THE PIPE, THE CLEAR DISTANCE BETWEEN THE OUTSIDE FACE OF THE PIPE AND THE MOVABLE TRENCH SUPPORT SHALL BE NOT LESS THAN 2.5 x OUTSIDE PIPE DIAMETER.

NOTES:

FOUNDATION AND BEDDING:

1) MATERIALS AS CLASSIFIED BY USCS AS PER ASTM D-2487 SOILS CLASSES I-B-II WHERE CRUSHED GRAVEL OR CRUSHED STONE IS USED IT SHALL BE AS PER ASTM C-33 GRADATION No. 67.
2) FILL MATERIAL SHALL BE PLACED IN 0.15 LAYERS. WHEN COMPACTED
3) COMPACT TO 90% OF MAX. COMPACTION AS PER ASTM D-698 FOR COHESIVE SOILS OR DENSIFY TO 70% OF MAX. RELATIVE DENSITY AS PER ASTM D-2049 FOR GRANULAR SOILS. TESTS SHALL BE PERFORMED AT 50 MTS. INTERVALS.

INITIAL BACKFILL CROSS COUNTRY:

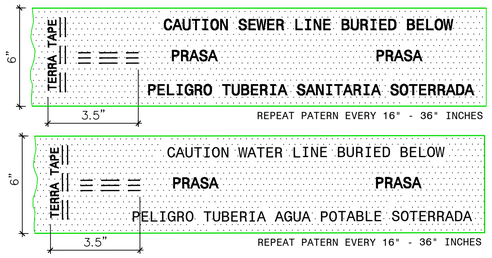
1) PREVIOUS EXCAVATED MATERIAL FREE FROM BOULDERS AND STONES LARGER THAN 2".
2) FILL MATERIAL SHALL BE PLACED IN 0.30 MT. LAYERS.
3) COMPACTION EFFORT NOT REQUIRED OTHER THAN OBTAINED BY SPREADING AND LEVELLING BACKFILL MATERIAL ROLLING EQUIPMENT NOT ALLOWED FOR WORKING BACKFILL MATERIAL IN THIS SECTOR OF TRENCH.

FINAL BACKFILL – CROSS COUNTRY:

1) PREVIOUS EXCAVATED MATERIAL.
2) FILL MATERIAL SHALL BE LOOSELY PLACED IN 0.90 MT. LAYERS.
3) COMPACTION AS OBTAINED BY ROLLING WITH THE PLACEMENT EQUIPMENT.
4) MOUND THE SURFACE AND FILL AND MAINTAIN ALL SUNKEN TRENCHES UNTIL FINAL ACCEPTANCE OF THE PROJECT.

INITIAL AND FINAL BACKFILL-UNDER ROADS, STREETS, WALKS, APRONS AND OTHERS IMPROVED SURFACES

1) ANY MATERIAL AS CLASSIFIED BY USCS AS PER ASTM D-2487 SOIL CLASSES I – II – III – IV. WHERE CRUSHED GRAVEL OR CRUSHED STONE IS USED IT SHALL BE AS PER ASTM C-33 GRADATION No. 67.
2) FILL MATERIAL SHALL BE PLACED IN 0.30 MT. LAYERS.
3) COMPACT TO 90% OF MAX. COMPACTION AS PER ASTM D-698 FOR COHESIVE SOILS OR 70% OF MAX. RELATIVE DENSITY ASPER ASTM D-2049 FOR GRANULAR SOILS. ROLLING EQUIPMENT NOT ALLOWED FOR WORKING BACKFILL MATERIAL IN THE INITIAL BACKFILL SECTOR.

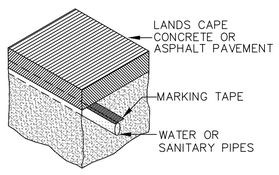


COLOR: GREEN
MATERIAL: ALUMINUM FOIL LAMINATED BETWEEN TWO LAYERS OF INERT PLASTIC FILM
IMPRINT COLOR: BLACK

CUSTOMER: PRASA SAN JUAN, P.R.
PRODUCT CODE: 6" 0521556
3" 0531556

WARNING SIGN
N.T.S.

TERRA TAPE

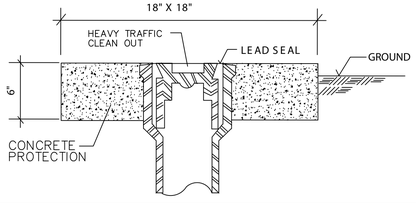


01	TRENCH DETAILS
N.T.S.	

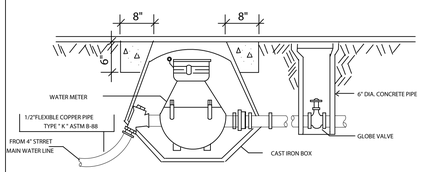
NOTAS PARA SISTEMA DE ACUEDUCTOS

1. LAS CAJAS DE CONTADOR SERAN INSTALADAS FUERA DEL AREA DE RODAJE, ESTACIONAMIENTO O RAMPAS DE ACCESO VEHICULAR.
2. LAS CAJAS DE CONTADOR SERAN INSTALADAS FUERA DEL LIMITE DE PROPIEDAD.
3. LOS CONTADORES DE SERVICIO DE AGUA DEBERAN REGISTRAR EL VOLUMEN DE AGUA EN METROS CUBICOS.
4. LAS CAJAS DE CONTADOR SERAN CONSTRUIDAS CON PIEZAS DE COBRE FLEXIBLE TIPO "K" O BRONCE DE IGUAL CUMPLIMIENTO.
5. LA DISTANCIA ENTRE LA ACOMETIDA DE SERVICIO DE AGUA Y LA ACOMETIDA SANITARIA SERA MAYOR O IGUAL A 5 PIES HORIZONTALES, LA INSTALACION DE AMBAS ACOMETIDAS EN LA MISMA EXCAVACION NO ESTARA PERMITIDA.
6. LAS PIEZAS DE CONEXION A UTILIZARSE PARA LA INSTALACION DE ACOMETIDAS, SERAN DE TIPO "FLARE" O ROSCA EN CASO DE SER DE COBRE FLEXIBLE TIPO "K" O ROSCA EN CASO DE CONSTRUIRSE EN BRONCE, NO SE PERMITIRA CONEXIONES REALIZADAS CON PIEZAS SOLDADAS.
7. SE INSTALARAN VENTOSAS DE AIRE EN TODOS LOS PUNTOS ALTOS DE LA TUBERIA SEGUN SEA NECESARIO, LA INSTALACION DE LAS MISMAS SE DETERMINARA EN EL TERRENO.
8. PARA ACEPTAR FINALMENTE EL PROYECTO EL MISMO DEBERA ESTAR PAVIMENTADO CUANDO SE REALICE LA VALIDACION FINAL.
9. LAS CAJAS DE CONTADORES SERAN INSTALADAS A UNA DISTANCIA RAZONABLE Y SEGURA DE TODO EQUIPO ELECTRICO.
10. TODAS LAS CONEXIONES SERAN REALIZADAS POR UN MAESTRO PLOMERO O BAJO LA SUPERVISION DIRECTA DE ESTE.
11. TODAS LAS ACOMETIDAS DE DIAMETRO SE INSTALARAN CON ABRAZADERA Y LLAVE DE INCORPORACION.
12. SE DEBERA INSTALAR UNA CINTA DETECTABLE SOBRE LA TUBERIA DE AGUA, IGUAL O SIMILAR A LA MANUFACTURADA POR LA COMPAÑIA "REEF INDUSTRIES INC.". DICHA CINTA DEBERA ESTAR LOCALIZADA SOBRE Y PARALELA A LA TUBERIA A UNA PROFUNDIDAD DE 0.30 mts. (12") BAJO LA SUPERFICIE DEL TERRENO.
13. SERA NECESARIO REALIZAR UNA EXCAVACION EXPLORATORIA SEGUN LO SOLICITE EL INSPECTOR DE A.A.A. PARA PODER VERIFICAR PROFUNDIDAD Y MATERIALES DE TUBERIA. DEBERA SOLICITAR LA INSPECCION CORRESPONDIENTE ANTES DE PAVIMENTAR LAS CALLES.
14. EL CONTRATISTA O URBANIZADOR SUMINISTRARA EVIDENCIA DEL PAGO DE CONEXION AL SISTEMA PREVIO AL ENDOSO FINAL DEL PROYECTO.
15. TODAS LAS PIEZAS DE CONECXION COMO "TEE", VALVULAS, TAPON, ETC. SERAN DE COBRE TIPO K.
16. LA TUBERIA SE INSTALARA A UNA PROFUNDIDAD DE 0.75 METROS DESDE EL NIVEL DEL TERRENO HASTA LA PARTE SUPERIOR DEL TUBO Y A 1.50 METROS DEL SARDINEL.
17. EL PROPONENTE O DUEÑO DEBERA NOTIFICAR POR ESCRITO A ESTA OFICINA CUANDO COMIENCE LA CONSTRUCCION DE LAS OBRAS HIDRAULICAS.
18. LA A.A.A. SE RESERVA EL DERECHO DE REQUERIR CUALQUIER CAMBIO PERTINENTE QUE POR OMISION O ERROR INVOLUNTARIO NO SE HAYA INCLUIDO EN EL PROYECTO Y A SU JUICIO, SEA NECESARIA PARA EL BUEN FUNCIONAMIENTO DEL SISTEMA DE ACUEDUCTO.
19. EL DUEÑO DEL PROYECTO APORTARA $500.00 DOLARES POR CADA SOLAR O UNIDAD, COMO CARGO POR DERECHO DE CONEXION AL SISTEMA DE ACUEDUCTO.
20. LA TUBERIA DE SERVICIO DE AGUA DEBERA INSTALARSE AL LADO CONTRARIO DE LA TUBERIA ELECTRICA, TELEFONO O CABLE TV.
21. EL PROYECTISTA DEL PROYECTO REALIZARA PRUEBA DE PRESION HIDRAULICA A LA TUBERIA DEL SISTEMA DE DISTRIBUCION DE AGUA A UNA PRESION MINIMA DE 150 PSI O VEZ Y MEDIA LA PRESION REGISTRADA EN EL SISTEMA DE DISTRIBUCION DE AGUA ADYACENTE AL PROYECTO. LA PRUEBA SERA POR UN TIEMPO MINIMO DE 15 MINUTOS Y NO SE DEBERA REGISTRAR PERDIDA DE PRESION MIENTRAS DURE LA MISMA. PERSONAL DE LA OFICINA DE PROYECTOS PUBLICOS Y PRIVADOS DE LA AUTORIDAD DE ACUEDUCTOS Y ALCANTARILLADOS DEBERA ESTAR PRESENTE PARA VALIDAR LA PRUEBA.
22. LOS EQUIPOS PARA REALIZAR LAS PRUEBAS DE PRESION DEBERAN SER PROVISTOS POR EL CONTRATISTA O PLOMERO DEL PROYECTO. PARA PRESIONES DE 150 PSI LA ESCALA DEL MANOMETRO NO DEBE EXCEDER DE 200 PSI.
23. CUALQUIER CAMBIO QUE SEA NECESARIO A LO INDICADO EN ESTE PLANO O EN SU CARTA DE APROBACION, RELACIONADO AL SISTEMA DE AGUA POTABLE, DEBERA SER CONSULTADO Y EVALUADO CON ESTA OFICINA PARA APROBACION, PREVIO A SU CONSTRUCCION Y/O DESARROLLO.

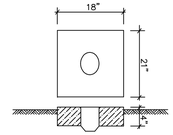
02	NOTAS PARA SISTEMA DE ACUEDUCTOS
N.T.S.	



03	CLEANOUT P.R.A.S.A.
N.T.S.	

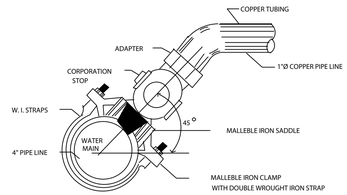


NEW 1"Ø WATER METER DETAIL
N.T.S.



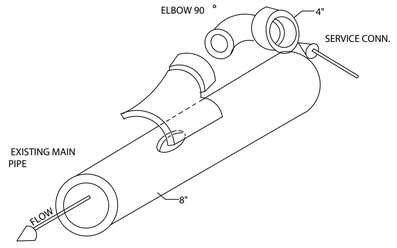
WATER METER CONCRETE PROTECTION
N.T.S.

04	WATER METER DETAIL
N.T.S.	



SERVICE CLAMP WITH CORPORATION STOP
N.T.S.

05	SERVICE CLAMP WITH CORPORATION STOP
N.T.S.	



06	SADDLE CONNECTION
N.T.S.	

Notes:

1.0 Do not scale dimensions from drawings. Dimensions govern.

2.0 All dimensions are in feet and inches, unless noted otherwise.

3.0 The contractor shall check all dimensions, levels and angles on site prior to commencing any work.

4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.

5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS

REV. #	DATE	ISSUING REASON

PROFESSIONAL SEAL

JOSÉ O. GONZÁLEZ INGENIERO LICENCIADO LIC. #6588 PUERTO RICO

IDENTIFICACION - CERTIFICATE - FIRM NAME

YO JUAN MANUEL ICEBUD (ENCA 1980), CERRO CLE 510 EL MIRADOR, CLE (DESIGNED)(DRAWN)(PROYECTADO)(DIBUJADO) Y BIEN CERTIFICO QUE ESTOS PLANOS Y ESPE- CIFICACIONES FUERON HECHOS BAJO MI DIRECCION O SUPERVISION Y QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO DE CONSTRUCCION VIGENTE DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PUBLICAS CON JURISDICCION. CERTIFICO, ADEMAS, QUE EN LA PREPARACION DE ESTOS PLANOS Y ESPECIFICACIONES SE HA CUMPLIDO SATISFACTORIAMENTE CON LAS DISPOSICIONES APLICABLES DEL REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CODIGOS DE CONSTRUCCION VIGENTES DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PUBLICAS CON JURISDICCION. CERTIFICO, ADEMAS, QUE EN LA PREPARACION DE ESTOS PLANOS Y ESPECIFICACIONES SE HA CUMPLIDO SATISFACTORIAMENTE CON LO DISPUESTO EN LA LEY 14-2004, SEGUN ENMENDADA, CONOCIDA COMO LA "LEY PARA LA INVERSION POR LA INDUSTRIA PUERTORRIQUEÑA" Y LA LEY 119 DE 29 DE JUNIO DE 1970, SEGUN ENMENDADA, CONOCIDA COMO LA "LEY PARA LA REMOCION DE BARRERAS ARQUITECTONICAS" DE 29 DE JUNIO DE 1970, SEGUN ENMENDADA, SEGUN APLICAN. RECONOZCO QUE CUALQUIER DECLARACION FALSA O FABRICACION DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA POR MI, MIS AGENTES O EMPLEADOS, O POR OTRA PERSONA CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCION JUDICIAL Y DISCIPLINARIA POR LA OGPe.

n.formation studio
landscape . architecture . product
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Carolina, PR. 00979 - Office Tel. +1 (787) 236-0630
e-mail: info@informationstudio.com

PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

DWG. TITLE

Plumbing Notes & Details

NOTA IMPORTANTE:

Yo, JORGE A. TORRES SCANDALI, INGENIERO MECANICO, LICENCIA 10906, certifico que soy el autor principal de los planos de MECANICOS y que los mismos fueron preparados bajo mi supervisión directa. También, certifico que estando que estos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de Construcción Vigentes de las Agencias, Juntas Reglamentadoras o Corporaciones Públicas con jurisdicción. Certifico, además, que en la preparación de estos planos y especificaciones se ha cumplido cabalmente con lo dispuesto en la Ley 14-2004, según enmendada, conocida como la Ley para la Inversión por la Industria Puertorriqueña" y la Ley 119 de 29 de junio de 1970, según enmendada, conocida como la "Ley para la Remoción de Barreras Arquitectónicas" de 29 de junio de 1970, según enmendada, según aplican. Reconozco que cualquier declaración falsa o fabricación de los hechos que se haya producido por desconocimiento o por negligencia por mi, mis agentes o empleados, o por otra persona con mi conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OGPe.

AAA-R0-23-03-0016
(6 UNIDADES EQUIVALENTES)
OGPE-2023-480217-SRI-066301

FILE NAME	23-025-P3.0
PLOT DATE	06/15/23
DWG. #	P3.0
DESIGNER	J.T.S.
APPROVING	J.T.S.
DRAFTSMAN	D.P.D.
ARCHIVO #:	23-025

JORGE A. TORRES SCANDALI
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JORGE A. TORRES SCANDALI
MECHANICAL ENGINEER, LIC. 10906

JORGE TORRES LOPEZ
MECHANICAL ENGINEER, LIC. 4951

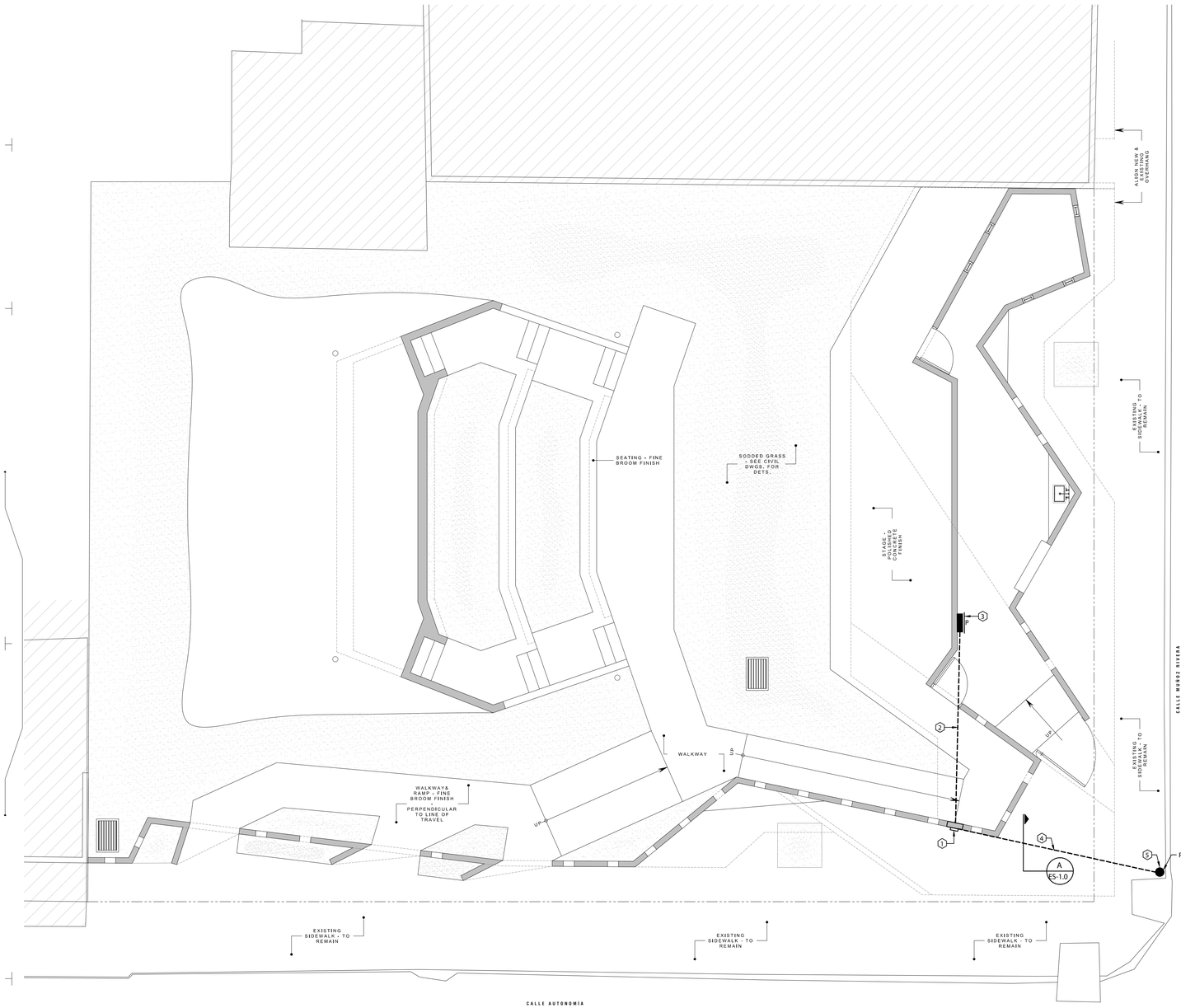
CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT #	PROJECT PHASE
22-02	Construction Docs - 100%
SHEET # 33	DRAWN BY krs — DATE 19.xi.2024

DISCIPLINE

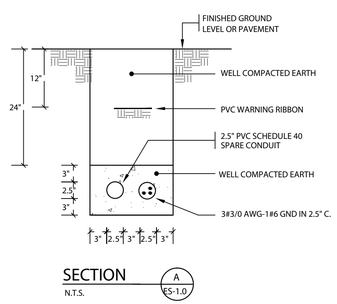
P-3.0

BID SET January 10, 2025



Proposed Site Plan

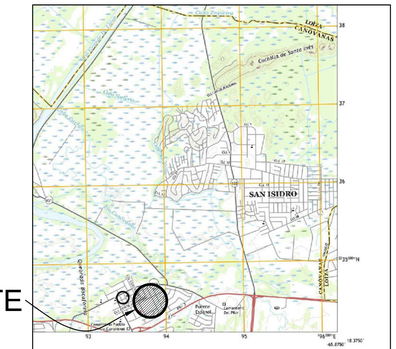
SCALE : ¼" = 1'-0"



SECTION

N.T.S.

A
ES-1.0



SITE

LOCATION PLAN

SCALE: 1=20,000

LAMBERT COORDINATES

X: 256,194.708 Y: 260,444.879

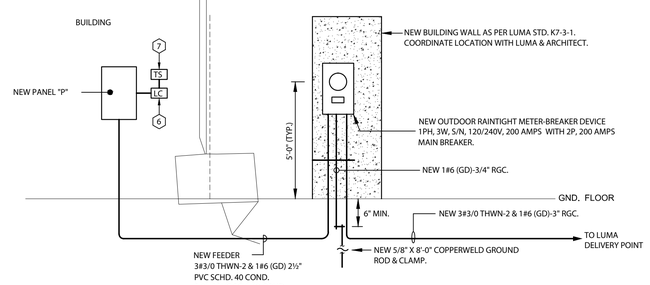
KEYED NOTES:

1. NEW CONCRETE PEDESTAL WITH NEW 250V-200A-2PH-3W LUMA METER. LUMA STD-K7-3-1.
2. NEW UNDERGROUND FEEDER CONSISTING OF: 3#3/0-1#6 GND, 2½" PVC SCH. 40 C. & 1-2½" PVC SCH. 40 SPARE CONDUIT.
3. NEW ELECTRICAL PANELBOARD.
4. NEW UNDERGROUND FEEDER TO LUMA POWER POLE "PUNTO DE ENTREGA" 3#3/0 AWG-1#6 GND. IN 2.5"PVC SCH 40 CONDUIT & 1-2.5"SPARE CONDUIT
5. EXISTING LUMA POWER POLE PROVIDE WITH NEW SECONDARY RISER LUMA STD.____.
6. 12 POLE MECHANICALLY HELD LIGHTING CONTACTOR.
7. ASTRONOMICAL TIME SWITCH WITH BATTERY BACK-UP.

NOTES:

1-TO SERVE THIS PROJECT LUMA WILL REPLACE EXISTING POLE AT POINT 10 (X: 256,180.618 : Y:260,420.709) OF THE RECOMENDATION LETTER WITH A NEW 40'-S5.7 METAL GALVANIZED POLE AT OWNER'S EXPENSE.

2-ALL WORK IN ENERGIZED LINES SHALL BE DONE BY LUMA AT OWNER'S EXPENSE. ALL MATERIALS REQUIRED FOR THE WORK AT POINT OF INTERCONNECTION SHALL BE PROVIDED BY OWNER.



ELECTRICAL ONE LINE DIAGRAM

N.T.S.

Notes:

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3.0 The contractor shall check all dimensions, levels and angles on site prior to commencing any work.

4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.

5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS

REV. #	DATE	ISSUING REASON
-	-	-

PROFESSIONAL SEAL

CERTIFICACIÓN - COPYRIGHTS - PERMISSIONS

JULIEN MANTILLA
ARQUITECTO
LICENCIADO BAJO EL NÚMERO
PROFESIONAL CONFECCIONO Y FIRMO LAS ESPECIFICACIONES
TÉCNICAS PARA EL PROYECTO
DESCRITO EN ESTE DOCUMENTO. ESPECIFICACIONES CUMPLEN
CON LOS REQUISITOS DE LOS REGLAMENTOS Y
DISPOSICIONES APLICABLES DE LA JURISDICCIÓN
CORRESPONDIENTE, EXCEPTO POR LAS EXCEPCIONES O NO
APLICABILIDADES QUE SE HAYAN
ESTABLECIDO.
ARQUITECTO DE
REGISTRO EN LA
JURISDICCIÓN
CORRESPONDIENTE
REVISIÓN
REVISIÓN
REVISIÓN

ELECTRICAL CONSTRUCTION PLAN NOTES

GENERAL NOTES:

1-THESE PLANS COINCIDE WITH THE PLANS SUBMITTED AT "O.G.P.E."

2-OWNER IS RESPONSIBLE OF OBTAINING ALL FEDERAL, STATE, MUNICIPAL & PRIVATE REQUIRED PERMIT & RIGHT OF WAYS CONCERNING THIS TYPE OF PROJECT.

3-OWNER MUST CONTRACT A LICENSED ENGINEER SERVICE THE INSPECT THE ELECTRICAL WORK IN ACCORDANCE WITH NUMBER 7 CERTIFICATION LAW JULY 19, 1985, AS AMMENDED, AND WILL ENFORCE LUMAS'S ELECTRICAL CONSTRUCTION PROJECT PLANS CERTIFICATION REGULATION. OWNER MUST NOTIFY LUMA, THE PRIVATE INSPECTOR DESIGNATION BEFORE PROJECT BEGINS.

4-ELECTRICAL CONTRACTOR SHALL PERFORM THIS WORK, AS DESIGN ON THIS DRAWINGS. CONTRACTOR HE MUST OBSERVE THE BEST ELECTRICAL CONSTRUCTION INDUSTRY PRACTICES, INSTALLATION SHALL BE ACCORDANCE WITH LUMA'S & CONCERNING AGENCIES ADOPTED RULES & REGULATIONS, NEC, NESC CODES, IEEE, NFPA, NEMA & ANSI ADOPTED STANDARDS.

5-CONTRACTOR IS NOT AUTHORIZED TO MAKE CHANGES TO THIS DESIGN. CONTRACTOR IS RESPONSIBLE OF CONSULTING THE DESIGNER OR PROJECT DESIGNATED INSPECTOR REGARDING ANY DOUBT IN PLANS, INTERPRETATION, WORK EXECUTION, TECHNICAL SPECIFICATION, EXISTING FIELD CONDITION, DESIGN CRITERIA OR DISCREPANCES THAT MAY APPEAR.

6-ELECTRICAL CONTRACTOR SHALL NOTIFY LUMA THE START OF CONSTRUCTION AT LEAST 15 DAYS BEFORE PROJECT START, CONTRACTOR SHALL DO SO BY FILLING PREPA'S CONSTRUCTIONS START DOCUMENT.

7-ELECTRICAL CONTRACTOR AND PRIVATE INSPECTOR ARE RESPONSIBLE TO ASSIST & COORDINATE WITH LUMA'S CORRESPONDING REGION DISTRIBUTION ENGINEERING DEPARTMENT A PRE-CONSTRUCTION MEETING.

8-ALL WORK ON ENERGIZED LINES, INCLUDING THE PROJECT FINAL CONNECTION, MUST BE DONE BY LUMA AND THE PROPONENT MUST ASSUME ALL THE EQUIPMENT, MATERIAL & LABOR COST. PROPONENT MUST REQUEST TO LUMA A JOB QUOTE. THE QUOTE IS VALID FOR 3 MONTHS.

9-PERFORMING ANY KIND OF WORK ON ELECTRICAL RIGHT OF WAY WITHOUT LUMA'S WRITTEN AUTHORIZATION IT IS STRICTLY PROHIBITED.

10-LUMA WILL NOT APPROVE ANY CONNECTION OF PROJECTS THAT ARE INVADING RIGHT OF WAY OR THAT DOES NOT COMPLY WITH THE REQUIRED SECURITY SET BACKS.

SYSTEMS:

1-IT IS OWNER/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 PERFORM IN COORDINATION WITH LUMA'S ENGINEERING DEPARTMENT'S INSPECTIONS OFFICE REPRESENTATIVE.

2-DURING CABLE INSTALLATION, CABLE MUST BE PROTECTED FROM HUMIDITY AND DAMAGES, CONTRACTOR IS RESPONSIBLE OF INSTALLING CABLES USING RECOMMENDED PULLING TECHNICS IN ORDER NOT TO EXCEED SPECIFIED CABLE MAXIMUM PULLING TENSION.

3-MANHOLE COVERS TO BE INSTALLED AT GREEN PLATING AREAS MUST BE PROTECTED USING A REINFORCE CONCRETE SLAB AS PER LUMA'S STANDARD URD-52.

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.

5-UNDERGROUND CONDUIT DUCT BANK MUST BE INSPECTED BY LUMA BEFORE IT IS COVERED AND COMPACTED WITH EARTH.

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.

7-SPARE FUSES QUANTITY THAT CONTRACTOR MUST SUPPLY IS THE SAME QUANTITY AS FUSES INSTALLED AT EACH SUBSTATION.

8-GROUNDING CONNECTORS TO BE USED FOR SUBSTATIONS MUST BE THERMO-WELD OR COMPRESSION TYPE.

9-CONTRACTOR MUST PROVIDE PULLING WIRE (FISHWIRE) AT EACH SPARE CONDUIT.

10-MAXIMUM GROUND RESISTANCE AT ALL DISTRIBUTION SYSTEM MUST BE 10 OHMS. A GROUNDING ROD FOR NEUTRAL CONNECTION MUST BE INSTALLED EVERY FOUR POLES OR EVERY 1,000 FEET AND IN ALL TRANSFORMERS.

11-TWO SPARE CONDUITS FOR FUTURE USE MUST BE INSTALLED AT EACH POLE CONCRETE BASE AS REQUIRED BY LUMA.

12-POLE CONCRETE BASES MUST BE INSPECTED BY LUMA AT THE CONSTRUCTION PHASE.

MATERIALS:

1-ALL EQUIPMENT TO BE USED IN THE CONSTRUCTION HAS TO COMPLY WITH IEEE, ANSI, NEMA & ASTM STANDARDS.

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 TRANSFER TO THEM.

3-ALL MATERIAL & EQUIPMENT (INCLUDING TRANSFORMERS & SUBSTATION ENCLOSURES) TO BE INSTALLED WITHIN ONE(1) MILE OR LESS OF SALTWATER BODIES MUST BE CONSTRUCTED IN STAINLESS STEEL.

4-UNDERGROUND SYSTEMS, USE PRIMARY CABLES WITH 15KV STRESS CONE FOR DISTRIBUTION VOLTAGES AND 46KV STRESS CONE FOR 38KV VOLTAGE.

5-OVERHEAD SYSTEMS, USE 15KV POLYMER INSULATORS FOR DISTRIBUTION VOLTAGES AND 46KV POLYMER INSULATORS FOR 38KV VOLTAGE.

6-CONTRACTOR IS RESPONSIBLE OF PROPERLY MARKING ALL TRANSFORMERS TO BE TRANSFERRED TO LUMA WITH A PROPERTY NUMBER PROVIDED BY THE CORRESPONDING DISTRIBUTION ENGINEERING DEPARTMENT.

SPECIAL NOTES:

1-PROJECT OWNER SHALL PAY LUMA THE AMOUNT OF 5-0- FOR THE EXISTING ELECTRICAL SYSTEM IMPROVEMENTS.

2-LUMA WILL NOT ENERGIZE THE PROJECT UNTIL THE OWNER HAS ESTABLISHED THE REQUIRED RIGHT OF WAYS IN ACCORDANCE WITH "REGLAMENTO DE SERVIDUMBRES PARA LA AUTORIDAD DE ENERGIA ELECTRICA". THIS NOTE APPLIES TO ALL REQUIRED RIGHT OF WAY, INSIDE & OUTSIDE THE PROPERTY LIMITS.

3-THE INSTALLATION OF THE METERING SYSTEMS HAD TO BE COORDINATED WITH THE REGIONAL METERING OFFICE. DESIGNER OR ELECTRICAL CONTRACTOR HAS TO CONSULT WITH THIS OFFICE ABOUT MATERIALS & EQUIPMENTS TO BE USED AND EQUIPMENT LOCATION.

4-THE INSTALLATION OF ELECTRICAL SUBSTATION, TRANSFORMERS OR ANY OTHER ELECTRICAL EQUIPMENT OVER SEWER SYSTEM, WATER LINES OR ANY OTHER UTILITIES IS PROHIBITED.

5-PRIOR PURCHASING ANY METERING EQUIPMENT, ELECTRICAL CONTRACTOR SHALL COORDINATE WITH LUMA'S METERING SECTION THE AVAILABILITY OF EQUIPMENTS TO BE SUPPLIED BY LUMA.

COORDINATION NOTES:

1-CONTRACTOR SHALL COORDINATE WITH LUMA FOR ANY WORK TO BE DONE ON ON EXISTING LINES, INCLUDING ANY CONNECTION, DISCONNECTION, RELOCATION, OR "VIA LIBRE" REQUIRED ON THIS WORK.
2-CONTRACTOR SHALL COORDINATE WITH P.R.T.C. FOR ANY WORK TO BE DONE ON EXISTING LINES, INCLUDING ANY CONNECTION, DISCONNECTION, RELOCATION, OR "VIA LIBRE" REQUIRED ON THIS WORK.
3-CONTRACTOR SHALL PROVIDE A HIGH POT TEST TO ALL H.V. CABLES WHICH WILL BE PULLED OUT FROM EXISTING CONDUITS AND RE-USED IN ANOTHER PLACE AS NOTED IN THIS DRAWINGS.
4-CONTRACTOR MUST PROVIDE A TELEPHONE OUTLET TO EACH ELEVATOR ROOM.

NOTES:

1-PVC CONDUIT SHALL BE USED EXCEPT WHERE NOT ALLOWED BY N.E.C. OR UNLESS OTHERWISE INDICATED, 3/4" IPS MINIMUM SIZE.
2-RSG FITTINGS SHALL BE CONCRETE TIGHT.
3-THHN WIRE SHALL BE USED UNLESS OTHERWISE INDICATED, #12 A.W.G. MINIMUM SIZE.
4-ELECTRICAL INSTALLATION SHALL BE DONE IN STRICT ACCORDANCE WITH N.E.C. AND P.R.E.P.A. REGULATIONS, APPLICABLE EDITION.
5-INSTALLATION DETAILS ARE ILLUSTRATIVE AND SHOULD NOT BE USED WITHOUT VERIFYING JOB SITE CONDITIONS, CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING ANY DEVIATION THEREFROM.
6-DIMENSIONS, QUANTITY AND LOCATION OF JUNCTION OR PULL BOXES SHALL BE REVISED BY ELECTRICAL CONTRACTOR ACCORDING TO ACTUAL FIELD CONDITIONS TO SECURE AT LEAST PERMISSIBLE MINIMUM CABLE BENDING RADIUS AND THE MAXIMUM PERMISIBLE PULLING TENSION. THERE SHALL NOT BE MORE THE EQUIVALENT OF FOUR (4) QUARTER BENDS (360° TOTAL) BETWEEN CABLE PULL POINTS.
7-ALL CONVENIENCE RECEPTACLES SHALL HAVE A #12 GREEN JUMPER BETWEEN RECEPTACLE GROUNDING SCREW AND THE OUTLET BOX GROUNDING SCREW.
8-RACEWAY SHALL BE PROVIDED WITH APPROVED EXPANSION FITTINGS WHERE CROSSINGS BUILDING EXPANSION JOINT.
9-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.
10-INSTALLATION SHALL BE DONE IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.
11-CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS AND/OR EQUIPMENT REQUIRED FOR A COMPLETE WORKING SYSTEM.
12-ALL CONDUIT IN DIRECT CONTACT WITH EARTH SHALL BE PVC SCH.40 PROVIDE WITH A GROUNDING CONDUCTORS AS PER N.E.C.
13-ALL PANELBOARDS SHALL BE UL LABELED WITH BOLT-ON TYPE CIRCUIT BREAKERS. FINAL LOCATION OF PANELBOARDS MAY VARY IN ACCORDANCE TO FIELD CONDITIONS. CONTRACTOR SHALL PREPARE SHOP DRAWING PRIOR TO FINAL EQUIPMENT INSTALLATION.
14-CONTRACTOR SHALL BALANCE ALL LOADS.
15-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.
16-CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR ALL UNDERGROUND PIPES, CONDUITS AND PULL BOXES.
17-FOR EXACT LOCATION OF ALL MECHANICAL EQUIPMENT REFER TO MECHANICAL DRAWINGS.
18-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.
19-ANY UNDERGROUND CONDUIT FOR SECONDARY FEEDER SHALL BE BURIED 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.
20-CONTRACTOR SHALL VERIFY ALL DISTANCES AT FIELD.
21-PROVIDE GROUND CONDUCTOR IN ALL CONDUITS RUNS AS PER NEC. 250.
22-CONTRACTOR SHALL PROVIDE & INSTALL A #14 FISHWIRE IN EVERY EMPTY CONDUIT.
23-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.
24-ALL EXPOSED CONDUIT RUN SHALL BE RIGID STEEL GALVANIZED.
25-ALL EQUIPMENTS AND RACEWAYS SHALL BE SEISMICALLY RATED AND SEISMICALLY SUPPORTED ES PER IBC 2018 REQUIREMENTS.
26-ALL EXTERIOR, EXPOSED JUNCTION BOXES SHALL BE WEATHERPROOF TYPE UNLESS OTHERWISE NOTED.
27-ALL BOXES SHALL BE 4" X 4" X 2½" MINIMUM GALVANIZED STEEL, PROVIDE 1 GANG R.C. WHEN ONLY ONE WIRING DEVICE IS SHOWN.
28-THIS DRAWINGS ARE A SCHEMATIC REPRESENTATION OF THE WORK TO BE PERFORMED. CONTRACTOR SHALL NOT RUN CONDUITS THRU ANY FIRE RATED CHASE, WALL, SLAB, OR BARRIER. IF A CONDUIT OR J.BOX IS INSTALLED OR ANY PENETRATION IN OR THRU FIRE RATED BARRIER, WALLS, CHASE, FLOORS, CEILING SLABS OR ANY CONDUITS PASSING FROM ONE LEVEL TO ANOTHER THRU THE FLOOR OR CEILING SLABS SHALL BE SEALED ACCORDINGLY TO IN ORDER TO MAINTAIN THE FIRE RESISTANT RATING OF THE OF THE WALL, SLAB, ENCLOSURE OR ASSEMBLY. RACEWAY PENETRATIONS THROUGH FIRE RATED PARTITIONS, CEILINGS, SLABS, AND SIMILAR COMPONENTS SHALL BE SEALED WITH FM & UL LISTED FIRE RETARDANT STOPS, FITTINGS, SEALING COMPOUNDS AND SLEEVES. FIRE STOP BARRIERS SHALL BE RATED BASED ON THE AFFECTED ASSEMBLY FIRE RATING. FIELD COORDINATE WITH ARCHITECTURAL, STRUCTURAL PLANS AND UTILITY FOR EXACT RATING AND LOCATION OF FIRE RATED PARTITIONS.
29-ALL INDICATED HEIGHTS ARE FROM CENTER OF BOX TO FINISHED FLOOR.
30-PRIOR TO ORDERING OF EQUIPMENT CONTRACTOR MUST VERIFY EQUIPMENT IS COMPATIBLE WITH ELECTRICAL SERVICE PROVIDED IN DWGS. (VOLTS, BREAKER, 60Hz).
31-CONTRACTOR MUST MARK & IDENTIFY ALL POWER RECEPTACLES FACEPLATE WITH STENCIL INDICATING PANELBOARD & CIRCUIT SERVING IT.
32-ALL CONDUCTORS SHALL BE COPPER, STRANDED, THHN INSULATED #12 AWG MINIMUM SIZE, UNLESS OTHERWISE NOTED.
33-WIRING DEVICES AND PLATES SPECIFICATION GRADE, SPECIFICATION GRADE, TO MATCH COLOR SELECTED BY ARCHITECT.
34-ELECTRICAL CONTRACTOR MUST MAKE FINAL CONNECTION TO ALL MECHANICAL EQUIPMENT UNDER THE DIRECT SUPERVISION OF THE MECHANICAL CONTRACTOR FROM A DOSCONNECT SWITCH OR MAGNETIC STARTER FURNISHED AND INSTALL BY ELECTRICAL CONTRACTOR LOCATED 5'-0" FROM EACH MOTOR.

LEGEND:

- DUPLEX RECEPTACLE 20A, 125V, 3W, GROUNDING TYPE. 1'-6" A.F.F. DECORA SPECIFICATION TYPE, WHITE,TAMPER RESISTANT
- DUPLEX RECEPTACLE 20A, 125V W/ G.F.I. WALL MOUNTED 1'-6" A.F.F. TAMPER RESISTANT
- W.P. SAME AS ABOVE BUT WITH WHILE IN USE WEATHERPROOF PLATE, WHITE COLOR WEATHERPROOF PLATE SHALL BE IN USE RAINTIGHT COVER LEVITON 5977-GY TAMPER RESISTANT
- 250V, 2Ø, 20A, SINGLE RECEPTACLE GND. TYPE RECEPTACLE 1'-6" A.F.F.
- SAFETY DISCONNECT SWITCH SIZE AS INDICATED
- COMBINATION MAGNETIC STARTER & DISCONNECT SWITCH W/H.O.A. SELECTOR SWITCH AND PILOT 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, QUIET TYPE, 4'-0" A.F.F, DECORA SPECIFICATION TYPE, WHITE
- CIRCUIT BREAKER PANELBOARD, 6'-0" A.F.F, TO TOP
- NEW CONDUIT RUN IN HUNG CEILING
- NEW CONDUIT RUN EXPOSED
- NEW CONDUIT RUN EMBEDDED IN FLOOR SLAB OR WALLS (WIRING AS PER MANUFACTURER RECOMENDATIONS)
- CONDUIT RUN TO PANELBOARD CIRCUIT BREAKERS AS INDICATED
- HASH MARKS INDICATED NUMBER OF CONDUCTORS (LEFT TO RIGHT: PHASE/SWITCH LEG/NEUTRAL/GROUND) NO HASH MARKS INDICATES 2#12-1#12 GND. 3/4"C. UNLESS OTHERWISE INDICATED.
- UP. CONDUIT STUB–UP
- DN. CONDUIT STUB–DOWN
- SURFACE MOUNTED SEALED & GASKETED LED FIXTURE
- WALL MOUNTED EMERGENCY LIGHT FIXTURE

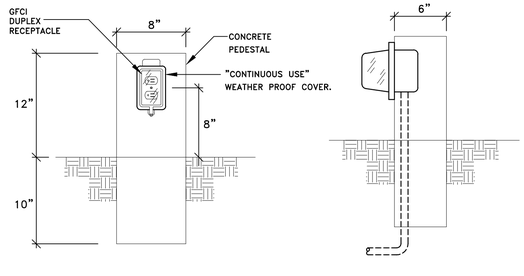
ABREVIATIONS

"G.F.I."	DENOTES GROUND FAULT CIRCUIT INTERRUPTER
"AFF"	DENOTES ABOVE FINISHED FLOOR
"FBO"	DENOTES FURNISHED BY OTHERS
"AEE"	DENOTES P.R. ELECTRIC POWER AUTHORITY
W.P.	WEATHER PROOF
N	DENOTES NEW
E	DENOTES EXISTING TO REMAIN
R	EXISTING RELOCATED DEVICE
ER	DENOTES EXISTING TO BE REMOVED
NL	NIGHT LIGHT

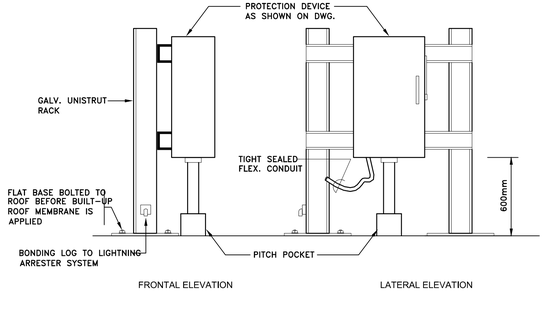
PANELBOARD SCHEDULE

PANEL DESCRIPTION: (P) — LOCATION: BUILDING
VOLTS: 240/120V-2PH-3W — AMPS: 200A
MOUNTING: SURFACE — I.C.: 10,000
PANEL TYPE: CUTLER HAMMER — REMARKS:

LOAD DESCRIPTION	FRAME	TRIP	CKT. NO.	CKT. NO.	TRIP	FRAME	LOAD DESCRIPTION
RECEPTACLES		20/GFI	1	2	20/GFI		LINEAR LIGHTS
RECEPTACLES		20/GFI	3	4	20/GFI		LINEAR LIGHTS
RECEPTACLES		20/GFI	5	6	20/GFI		BUILDING LIGHTS
ACTIVITIES DISCONNECT		20	7	8	20/GFI		STAGE LIGHTS
			9	10	20/GFI		CONCRETE SEATS LIGHTS
TTC		20	11	12	20/GFI		STEP LIGHTS
RECEPTACLES		20/GFI	13	14	20/GFI		LIGHTS
SPARE		20	15	16	20/GFI		LIGHTS
SPARE		20	17	18	20		SPARE
SPARE		20	19	20	20		SPARE
SPARE		20	21	22	20		SPARE
SPARE		20	23	24	20		SPARE
SPARE		20	25	26	20		SPARE
SPACE			27	28			SPACE
SPACE			29	30			SPACE
SPACE			31	32			SPACE
SPACE			33	34			SPACE
SPACE			35	36			SPACE
SPACE			37	38			SPACE
SPACE			39	40			SPACE
SPACE			41	42			SPACE



OUTDOOR PEDESTAL FOR RECEPTACLE (TYP.)
N.T.S.



UNISTRUT/SAFETY SWITCH DETAIL
N.T.S.

BID SET January 10, 2025

PERMIT SET
DATE : JUNE 10, 2024

Notes:

1.0 Do not scale dimensions from drawings. Dimensions govern.
2.0 All dimensions are in feet and inches, unless noted otherwise.
3.0 The contractor shall check all dimensions, levels and angles on site prior to commencing any work.
4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.
5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS

REV. #	DATE	ISSUING REASON
-	-	-

PROFESSIONAL SEAL

CERTIFICATION + COPYRIGHTS + PERMISSIONS

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landscape . architecture . product
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PROJECT TILE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivero, Canóvanas, PR 00729

CONSULTANT

DWG. TITLE

Proposed Layout Plan

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

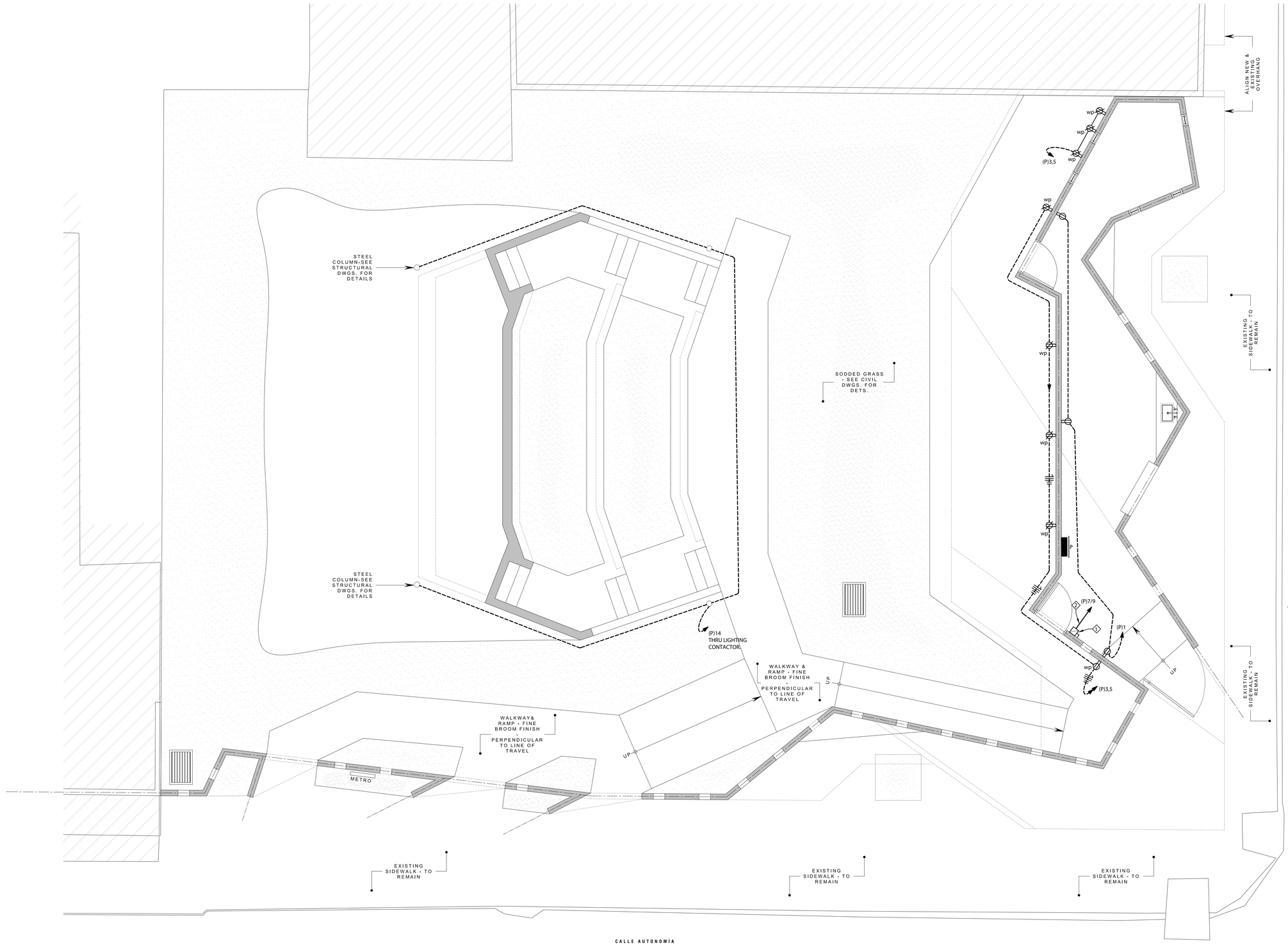
PROJECT #	PROJECT PHASE
22-02	Construction Docs - 100%
SHEET # 35	DRAWN BY - / DATE 16.xii.2022

DISCIPLINE

ES-2.0

JRR — JAIME RODRIGUEZ ROSARIO, P.S.C. — ELECTRICAL ENGINEERS
designed: A.LAZARO lic.: 11483
draftman: C.SANTIAGO lic.: 0388

This drawing is not authorized to be released for contract until fully approved by Architect, Owner and all corresponding Government Agencies including P.R.E.P.A. and Telephone Company.



Proposed Site Plan

SCALE : ¼" = 1'-0"

KEYED NOTES:

1. DISCONNECT SWITCH, 250V-2PH-60A-NEMA 1 FOR ACTIVITIES.
2. 2#6-1#10 GND, 1"C.

BID SET January 10, 2025

PERMIT SET
DATE : JUNE 10, 2024

Notes:

1.0 Do not scale dimensions from drawings. Dimensions govern.

2.0 All dimensions are in feet and inches, unless noted otherwise.

3.0 The contractor shall check all dimensions, levels and angles on site prior to commencing any work.

4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.

5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS

REV. #	DATE	ISSUING REASON
-	-	-

PROFESSIONAL SEAL

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- Suite 221 Carolina, PR, 00979 - Office
Tel. 1(787) 256-1520 e-ms mb
in.formation@studio.com

PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

DWG. TITLE

Proposed Electrical Layout Plan

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT #	PROJECT PHASE
22-02	Construction Docs - 100%
SHEET #	DRAWN BY / DATE
36	- / 16.xii.2022

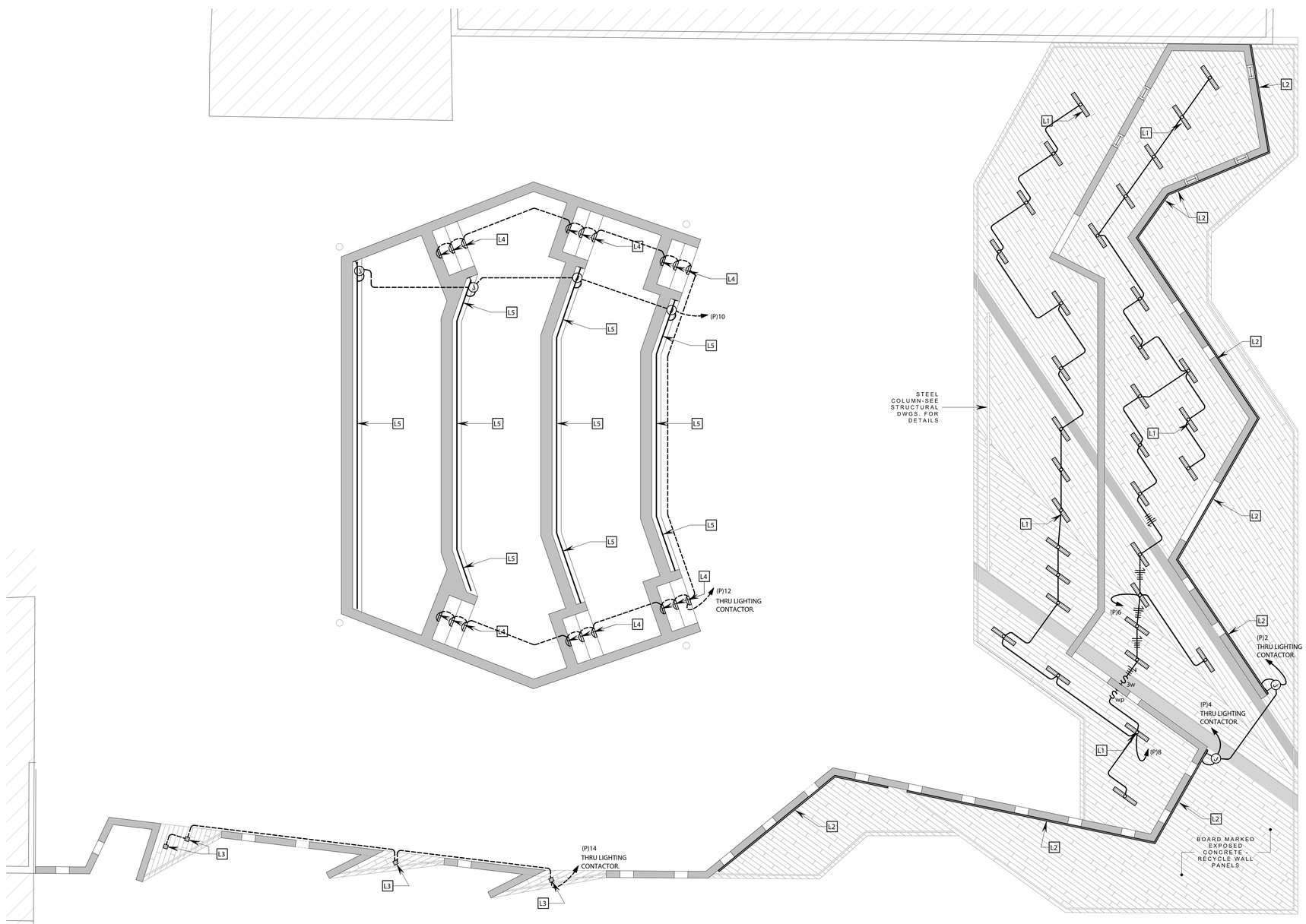
DISCIPLINE

E-1.0

JRR — José R. Pedrosa & Associates, C.S.P. — Civil, Structural, Electrical & Mechanical Engineers

designed: A.LAZARO lic.: 11483
draftman: C.SANTIAGO lic.: 0388

This drawing is not authorized to be released for contract until fully approved by Architect, Owner and all corresponding Government Agencies including P.R.E.P.A. and Telephone Company.



Reflected Ceiling Plan

SCALE : ¼" = 1'-0"

NOTE:

1-FOR LIGHTING FIXTURES EXACT LOCATION , MOUNTING DETAILS AND SPECIFICATIONS REFER TO ARCHITECTURAL DRAWINGS.

Notes:

1.0 Do not scale dimensions from drawings. Dimensions govern.

2.0 All dimensions are in feet and inches, unless noted otherwise.

3.0 The contractor shall check all dimensions, levels and angles on site prior to commencing any work.

4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.

5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS

REV. #	DATE	ISSUING REASON
-	-	-

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PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

DWG. TITLE

Proposed Lighting Layout Plan

CLIENT

Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT # 22-02

PROJECT PHASE: Construction Docs - 100%

SHEET # 37

DRAWN BY -

DATE 16.xii.2022

DISCIPLINE

E-1.1

BID SET January 10, 2025

PERMIT SET
DATE : JUNE 10, 2024

JRR Puerto Rico Associate Electrical Engineers

designed: A.LAZARO lic.: 11483

draftman: C.SANTIAGO lic.: 0388

This drawing is not authorized to be released for contract until fully approved by Architect, Owner and all corresponding Government Agencies including P.R.E.P.A. and Telephone Company.

NOTES:

1-EMT CONDUIT SHALL BE USED EXCEPT WHERE NOT ALLOWED BY N.E.C. OR UNLESS OTHERWISE INDICATED, 3/4" IPS MINIMUM SIZE. ENT CONDUIT NOT PERMITTED.

2-EMT FITTINGS SHALL BE CONCRETE TIGHT.

3-THHN COPPER WIRE SHALL BE USED UNLESS OTHERWISE INDICATED, #12 A.W.G. MINIMUM SIZE.

4-WIRING DEVICES AND PLATES SHALL BE WHITE COLORED, DECORA TYPE, SCREWLESS SPECIFICATION GRADE.

5-ELECTRICAL INSTALLATION SHALL BE DONE IN STRICT ACCORDANCE WITH N.E.C. AND P.R.E.P.A. REGULATIONS, APPLICABLE 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.

7-DIMENSIONS, QUANTITY AND LOCATION OF JUNCTION OR PULL BOXES SHALL BE REVISED BY ELECTRICAL CONTRACTOR ACCORDING TO ACTUAL FIELD CONDITIONS TO SECURE AT LEAST PERMISSIBLE MINIMUM CABLE BENDING RADIUS AND THE MAXIMUM PERMISIBLE PULLING TENSION. THERE SHALL NOT BE MORE THE EQUIVALENT OF FOUR (4) QUARTER BENDS (360° TOTAL) BETWEEN CABLE PULL POINTS.

8-ALL CONVENIENCE RECEPTACLES SHALL HAVE A #12 GREEN JUMPER BETWEEN RECEPTACLE GROUNDING SCREW AND THE OUTLET BOX GROUNDING SCREW.

9-RACEWAY SHALL BE PROVIDED WITH APPROVED EXPANSION FITTINGS WHERE CROSSINGS BUILDING EXPANSION JOINT.

10-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.

11-INSTALLATION SHALL BE DONE IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.

12-CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS AND/OR EQUIPMENT REQUIRED FOR A COMPLETE WORKING SYSTEM.

13-ALL CONDUIT IN DIRECT CONTACT WITH EARTH SHALL BE PVC SCH.40 PROVIDE WITH A GROUNDING CONDUCTORS AS PER N.E.C.

14-ALL PANELBOARDS SHALL BE UL LABELED WITH BOLT-ON TYPE CIRCUIT BREAKERS. FINAL LOCATION OF PANELBOARDS MAY VARY IN ACCORDANCE TO FIELD CONDITIONS. CONTRACTOR SHALL PREPARE SHOP DRAWING PRIOR TO FINAL EQUIPMENT INSTALLATION.

15-CONTRACTOR SHALL BALANCE ALL LOADS.

16-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.

17-CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR ALL UNDERGROUND PIPES, CONDUITS AND PULL BOXES.

18-THIS DRAWINGS ARE A SCHEMATIC REPRESENTATION OF THE WORK TO BE PERFORMED, CONTRACTOR SHALL NOT RUN CONDUITS THRU ANY FIRE RATED CHASE, WALL, SLAB, OR BARRIER. IF A CONDUIT OR J.BOX IS INSTALLED OR ANY PENETRATION IN OR THRU FIRE RATED BARRIER, WALLS, CHASE, FLOORS, CEILING SLABS OR ANY CONDUITS PASSING FROM ONE LEVEL TO ANOTHER THRU THE FLOOR OR CEILING SLABS SHALL TYPE SEALED ACCORDINGLY TO IN ORDER TO MAINTAIN THE FIRE RESISTANT RATING OF THE OF THE WALL, SLAB, ENCLOSURE OR ASSEMBLY. RACEWAY PENETRATIONS THROUGH FIRE RATED PARTITIONS, CEILINGS, SLABS, AND SIMILAR COMPONENTS SHALL BE SEALED WITH FM & UL LISTED FIRE RETARDANT STOPS, FITTINGS, SEALING COMPOUNDS AND SLEEVES. FIRE STOP BARRIERS SHALL BE RATED BASED ON THE AFFECTED ASSEMBLY FIRE RATING, FIELD COORDINATE WITH ARCHITECTURAL, STRUCTURAL PLANS AND UTILITY FOR EXACT RATING AND LOCATION OF FIRE RATED PARTITIONS.

19-FOR EXACT LOCATION OF ALL MECHANICAL EQUIPMENT REFER TO MECHANICAL DRAWINGS.

20-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.

21-ELECTRICAL CONTRACTOR MUST MAKE FINAL CONNECTION TO ALL MECHANICAL EQUIPMENT UNDER THE DIRECT SUPERVISION OF THE MECHANICAL CONTRACTOR FROM A DOSCONNECT SWITCH OR MAGNETIC STARTER FURNISHED AND INSTALL BY ELECTRICAL CONTRACTOR LOCATED 5'-0" FROM EACH MOTOR.

22-CONTRACTOR MUST COORDINATE ALL MOTOR'S OVERLOAD PROTECTION WITH MOTOR HORSEPOWER.

23-ANY UNDERGROUND CONDUIT FOR SECONDARY FEEDER SHALL BE BURIED 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.

24-CONTRACTOR SHALL VERIFY ALL DISTANCES AT FIELD.

25-PROVIDE GROUND CONDUCTOR IN ALL CONDUITS RUNS AS PER NEC. 250. PROVIDE #12 AWG GROUND CONDUCTOR TO ALL BRANCH CIRCUITS.

26-CONTRACTOR SHALL PROVIDE & INSTALL A #14 FISHWIRE IN EVERY EMPTY CONDUIT.

27-IF ANY DISCREPANCIES ARE DISCOVERED ON THESE PLANS, THE ELECTRICAL CONTRACTOR SHALL FOLLOW AND ADHERE TO THE MORE STRINGENT REQUIREMENT OR CONDITION, OTHERWISE, A WRITEN CLARIFICATION SHALL BE OBTAINED FROM THE ELECTRICAL DESIGN ENGINEER.

28-ALL EXPOSED CONDUIT RUN SHALL BE WEATHERPROOF TYPE.

29-CONTRACTOR SHALL COORDINATE LIGHTING FIXTURES VOLTAGE WITH VOLTAGE OF CIRCUIT SERVING FIXTURE.

30-CONTRACTOR MUST COORDINATE FIXTURE MOUNTING TYPE WITH CEILING TO BE MOUNTED.

31-ALL EQUIPMENTS AND RACEWAYS SHALL BE SEISMICALLY RATED AND SEISMICALLY SUPPORTED AS PER IBC 2018.

32-FOR TYPE, SPECIFICATION, EXACT AND FINAL LOCATION OF ALL LIGHTING FIXTURES REFER TO ARCHITECTURAL AND LIGHTING DESIGNER DRAWINGS.

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

34-ALL BOXES SHALL BE 4" X 4" X 2½" MINIMUM GALVANIZED STEEL, PROVIDE 1 GANG R.C. WHEN ONLY ONE WIRING DEVICE IS SHOWN.

35-EACH BRANCH CIRCUIT PROTECTED WITH AN AFCI (ARC FAULT) CIRCUIT BREAKER SHALL BE FURNISHED WITH AN INDEPENT SEPARATE NEUTRAL CONDUCTOR. SHARING OF NEUTRAL CONDUCTORS IS NOT PERMITTED FOR AFCI PROTECTED BRANCH CIRCUITS.

36-MULTI-WIRE BRANCH CIRCUITS, AS DEFINED BY ARTICLE 100 OF THE N.E.C., SHALL HAVE MULTI-POLE CIRCUIT BREAKERS WITH INTERGRAL COMMON TRIP. SINGLE POLE BREAKERS WITH IDENTIFIED HANDLE TIES MAY BE USED PER N.E.C. ART. 240.15(B).

37-ALL INDICATED HEIGHTS ARE FROM CENTER OF BOX TO FINISHED FLOOR.

38-SUPPORT OF ELECTRICAL INSTALLATION MUST BE FROM STRUCTURAL BEAMS OR CONCRETE, NOT FROM PRECAST PORETE. VERIFY WITH STRUCTURAL ENGINEER PRIOR TO ANY INSTALLATION.

39-ALL EXPOSED CONDUITS MUST BE PAINTED. COORDINATE COLOR WITH ARCHITECT.

40-PRIOR TO ORDERING OF EQUIPMENT CONTRACTOR MUST VERIFY EQUIPMENT IS COMPATIBLE WITH ELECTRICAL SERVICE PROVIDED IN DWGS. (VOLTS, BREAKER, 60Hz),

41-LIGHTING FIXTURES MUST BE RATED FOR FEED THRU WIRING, OTHERWISE A 4-INCH J-BOX MUST BE INSTALLED ABOVE EACH FIXTURE FOR BRANCH CIRCUIT SPLICING.

42-FOR LIGHTING FIXTURES SPECIFICATION REFER TO ARCHITECTURAL DRAWINGS.

43-ALL LIGHTING FIXTURES TRANSFORMERS SHALL BE PROVIDE BY FIXTURE SUPPLIER, SIZE & VOLTAGE ACCORDING TO ARCHITECTURAL DWGS. & SPECIFICATIONS. CONTRACTOR SHALL INSTALL ALL LOW VOLTAGE FIXTURE WIRING ACCORDING TO FIXTURE SUPPLIER AND FIXTURE MANUFACTURER DRAWINGS AND COORDINATE CONDUIT SIZES ACCORDINGLY.

44-CONTRACTOR MUST MARK & IDENTIFY ALL POWER RECEPTACLES FACEPLATE WITH STENCIL INDICATING PANELBOARD & CIRCUIT SERVING IT.

45-ALL EXTERIOR WEATHERPROOF RECEPTACLES MUST BE PROVIDED WITH WHILE IN USE WEATHERPROOF PLATE.

46-ALL 15A OR 20A-125VOLTS RECEPTACLES SHALL BE LISTED "TAMPER RESISTANCE RECEPTACLES".

47-ALL CIRCUIT BREAKERS 1P-20A-125V SHALL BE ARC FAULT BREAKER.

48-LIGHTING FIXTURES TO BE SUPPLY BY OWNER & INSTALL BY CONTRACTOR.

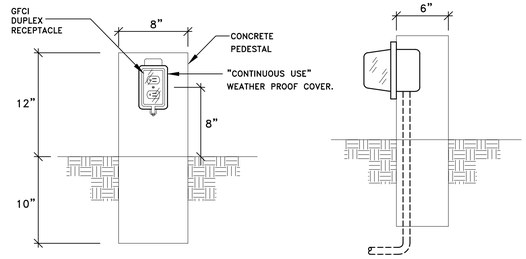
49-CONTRACTOR MUST EVALUTE RESIDENCE FURNITURE LAYOUT IN ORDER TO MAINTAIN NEC WORKING SPACE REQUIREMENTS FOR ELECTRICAL EQUIPMENT.

LEGEND

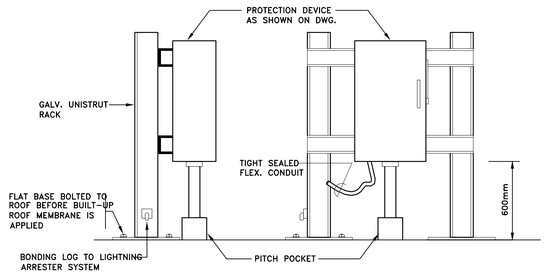
- CEILING LIGHTING OUTLET IN 4-INCH SQUARE BOX WITH 3/8" FIXTURE STUD
- WALL LIGHTING OUTLET, IN 4-INCH SQUARE BOX 6'-6" A.F.F.
- UP — 4" SQUARE WALL MOUNTED J-BOX WITH 3/4" CONDUIT
- WALL MOUNTED 4-INCH SQUARE JUNCTION BOX
- JUNCTION BOX IN HUNG CEILING
- JUNCTION BOX EXPOSED WALL MOUNTED
- AC — JUNCTION BOX FOR AIR CONDITIONING FAN COIL UNIT, COORDINATE HEIGHT WITH ARCH. DRAWINGS.
- DECORA SPECIFICATION TYPE, WHITE, TAMPER RESISTANT DUPLEX RECEPTACLE 20A, 125V, 3W, GROUNDING TYPE, 1'-6" A.F.F.
- DITTO, BUT WITH USB PORTS.
- SAME AS ABOVE BUT @ 5'-6" A.F.F. (TAMPER PROOF)
- SINGLE RECEPTACLE 20A,125V,3W GROUNDING TYPE, 1'-6" A.F.F., TAMPER RESISTANT
- DUPLEX RECEPTACLE 20A, 125V W/ G.F.I, WALL MOUNTED 1'-6" A.F.F., TAMPER RESISTANT.
- DITTO BUT INSTALLED AT 3'-6" A.F.F.
- SPLIT DUPLEX RECEPTACLE 15A-125V-3W GROUNDING TYPE, TAMPER RESISTANT ONE SIDE CONTROLLED BY SWITCH.
- COUNTER TOP MOUNTED DUPLEX RECEPTACLE 120V, 20A, 1P, G.F.I., IN APPROVED ASSEMBLY LISTED FOR THE APPLICATION (TAMPER RESISTANT) AS PER NEC 210,52(C)(5), 406.5(E), LUTRON DESIGNER STYLE, SCREWLESS, WHITE.
- W.P. — DUPLEX RECEPTACLE 125V, 20A, GND TYPE WITH WHILE IN USE WEATHERPROOF PLATE, TAMPER PROOF WEATHERPROOF PLATE SHALL BE IN USE RAINTIGHT COVER
  WP: WIUX-2W EATON
  WP1: S3966W-SP EATON
- TWO DUPLEX RECEPTACLES IN 4-INCH SQUARE BOX 120V, 20A, 1P, 3W, TAMPER RESITANT, GROUNDING TYPE, WALL MOUNTED, 1'-6" A.F.F.
- SURFACE MOUNTED DUPLEX 120V, 20A GND, TYPE 1'-6" A.F.F. (TAMPER PROOF).
- FLOOR MOUNTED DUPLEX RECEPTACLE , TAMPER PROOF, 125V, 20A GND TYPE WITH STAINLESS STEEL PLATE.
- SAME AS ABOVE BUT G.F.C.I.
- SAME AS ABOVE BUT SINGLE RECEPTACLE
- 250V, 2Ø, 20A, SINGLE RECEPTACLE GND. TYPE RECEPTACLE 1'-6" A.F.F.
- SINGLE RECEPTACLE 125/250V, 1Ø, 3P, 4W, 30A GND, TYPE RECEPTACLE, 1'-6" AFF, FLUSH WALL MOUNTED.
- SINGLE RECEPTACLE 50A-125/250VOLTS-1PHASE-3POLE-4 WIRE GROUNDING TYPE 1'-6" A.F.F.
- WATER HEATER RECEPTACLE 30A-250V-3W GROUNDING TYPE 1'-6" A.F.F.
- WALL MOUNTED MANUAL STARTER WITH OVERLOAD PROTECTION 4'-0" A,F,F.
- HEAVY DUTY NON FUSIBLE DISCONNECT SWITCH 250V, 2Ø, 30A, NEMA3R, 5'-0" A.F.F., UNLESS OTHERWISE INDICATED.
- COMBINATION MAGNETIC STARTER & DISCONNECT SWITCH W/H.O.A. SELECTOR SWITCH AND PILOT LIGHT ON COVER, PROVIDE CONTROL TRANSFORMER AS REQUIRED FOR 120V COIL VOLTAGE AND 2 H.O. & 2 N.C. AUXILIARY CONTACTS.
- AIR DISCONNECT SWITCH THERMOPLASTIC ENCLOSURE 250V, 1Ø, 60A, NON FUSED, SIMILAR TO G.E. TPN60R1.
- SINGLE POLE SWITCH 20A, 120V, QUIET TYPE, 4'-0" A.F.F. DECORA SPECIFICATION TYPE, WHITE COLOR
- 3W — DITTO BUT 3 WAY
- 4W — DITTO BUT 4 WAY
- TWO POLE SWITCH 30A-250V, GND TYPE WITH PILOT LIGHT 4'-0" A.F.F.
- M — WALL MOUNTED MOTION SWITCH 15A-125V.
- VS — WALL MOUNTED VACANCY SENSOR SWITCH 15A-125V.
- DIMMER CONTROL SIZE AS SHOWN 3'-3" A,F,F., LUTRON DESIGNER STYLE, SCREWLESS, WHITE (2,000 WATTS UON)
- WALL OUTLET 4-INCH SQUARE BOX FOR DATA & VIDEO, COORDINATED FINAL LOCATION W/ARCHITECT, AT 1'-6" A.F.F.
- WALL OUTLET 4-INCH SQUARE BOX FOR VOICE, AT 1'-6" A.F.F. COORDINATED FINAL LOCATION W/ARCHITECT.
- WALL OUTLET 4-INCH SQUARE BOX FOR VOICE, DATA & VIDEO, AT 1'-6" A.F.F. COORDINATED FINAL LOCATION W/ARCHITECT.
- SAME AS ABOVE BUT @ 5'-6" A,F,F.
- FOUR GANG JUNCTION BOX, AT 1'-6" A.F.F. COORDINATED FINAL LOCATION W/ARCHITECT.
- WATT-HOUR METER, SEE ONE LINE DIAGRAM.
- CIRCUIT BREAKER PANELBOARD, 6'-0" A.F.F. TO TOP
- NEW CONDUIT RUN IN HUNG CEILING
- NEW CONDUIT RUN EXPOSED
- NEW CONDUIT RUN EMBEDDED IN FLOOR SLAB OR WALLS (WIRING AS PER MANUFACTURER RECOMENDATIONS)
- CONDUIT RUN EMBEDDED IN ROOF SLAB OR WALLS.
- FA — 3/4" E.C. FOR BUILDING'S FIRE ALARM SYSTEM
- CONDUIT RUN TO PANELBOARD NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. CIRCUIT BREAKERS AS INDICATED HASH MARKS INDICATES NUMBER OF CONDUCTORS (LEFT TO RIGHT: PHASE/SWITCH LEG/NEUTRAL/GROUND) NO HASH MARKS INDICATES 2#12 &1#12GND, 3/4"C. UNLESS OTHERWISE INDICATED.
- UP — CONDUIT STUB-UP
- DN. — CONDUIT STUB-DOWN
- PUSH BUTTON STATION
- START STOP PUSH BUTTON STATION W/ PILOT LIGHT, 4'-6" A.F.F.
- C1 — 12 POLE NORMALLY CLOSED ELECTRICALLY HELD LIGHTING CONTACTOR IN NEMA 1 ENCLOSURE
- FAN — EXHAUST FAN, CONNECT TO 2 POLE SWITCH AT BATHROOM OR KITCHEN.
- FC — FAN COIL UNIT
- 2 — ELECTRIC MOTOR, NUMERAL INDICATES HORSEPOWER
- $1 — SINGLE POLE SWITCH 20A, 250V, IN NEMA 1 ENCLOSURE, W/PADLOCK PROVITION NEXT TO FAN COIL UNITS.
- $2 — SINGLE POLE SWITCH 20A, 125V, IN NEMA 1 ENCLOSURE, W/PADLOCK PROVITION NEXT TO FAN COIL UNITS.
- STEP LIGHTS.
- WP1 — OUTDOOR TYPE WEATHERPROOF 4-INCH SQUARE BOX.
- SMC — STRUCTURE MEDIA ENCLOSURE & COVER FOR DATA/VOICE, TV/VIDEO INTELLIGENCE SYSTEM, 19"X30"X5", 12" A,F,F,
- LANDSCAPE LIGHTING EXTERIOR JUNCTION BOX 8"x8"x6".
- OUTDOOR 4" JUNCTION BOX.

ABREVIATIONS

"G.F.I."	DENOTES GROUND FAULT CIRCUIT INTERRUPTER
"AFF"	DENOTES ABOVE FINISHED FLOOR
"FBO"	DENOTES FURNISHED BY OTHERS
"AEE"	DENOTES P.R. ELECTRIC POWER AUTHORITY
W.P.	WEATHER PROOF
N	DENOTES NEW
E	DENOTES EXISTING TO REMAIN
R	EXISTING RELOCATED DEVICE
ER	DENOTES EXISTING TO BE REMOVED
NL	NIGHT LIGHT



OUTDOOR PEDESTAL FOR RECEPTACLE (TYP.)
N.T.S.



FRONTAL ELEVATION LATERAL ELEVATION

UNISTRUT/SAFETY SWITCH DETAIL
N.T.S.

Notes:

1.0 Do not scale dimensions from drawings. Dimensions govern.

2.0 All dimensions are in feet and inches, unless noted otherwise.

3.0 The contractor shall check all dimensions, levels and angles on site prior to commencing any work.

4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.

5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS

REV. #	DATE	ISSUING REASON
-	-	-

PROFESSIONAL SEAL

CERTIFICACIÓN • CERTIFICATE • PERMIT NUMBER

JULIEN MANTILLA
ARQUITECTO
NÚMERO DE REGISTRO
CERTIFICADO
CUMPLE CON LAS ESPECIFICACIONES
ESTABLECIDAS POR EL GOBIERNO
DE PUERTO RICO
ESTE PROYECTO ARQUITECTÓNICO CUMPLE
CON LAS DISPOSICIONES DE LOS REGLAMENTOS Y
LEYES APLICABLES, EXCEPTO LAS EXCEPCIONES, JUNTAS REGLAMENTADORAS
CORRESPONDIENTES
JURISDICCIÓN
ASUMIDA
ARQUITECTO DE
CONSTRUCCIÓN EN LA
JURISDICCIÓN
ESTE PROYECTO POR LA
CUAL SOMETIDO SU SELLO
PROFESIONAL
ESTE PROYECTO QUE
LLEVA EL SELLO Y FIRMA
DE ARQUITECTO O
ARQUITECTA AUTORIZADO
EN PUERTO RICO
ESTE PROYECTO
CUMPLE CON
LAS LEYES
APLICABLES
DE PUERTO RICO
PARA
ARQUITECTURA
Y
DISEÑO
ESTE PROYECTO, AUNQUE
ESTÉ SELLADO, NO ESTÁ
AUTORIZADO
PARA
CONSTRUCCIÓN
A MENOS QUE
ESTÉ
ACOMPAÑADO
POR UNA
AUTORIZACIÓN
ESCRITA

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e-mail: info@informationstudio.com

PROJECT FILE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

ENG. TITLE

ELECTRICAL LEGEND AND NOTES

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT # 22-02
PROJECT PHASE Construction Docs - 100%
SHEET # 38
DRAWN BY -
DATE 16.xii.2022
DISCIPLINE

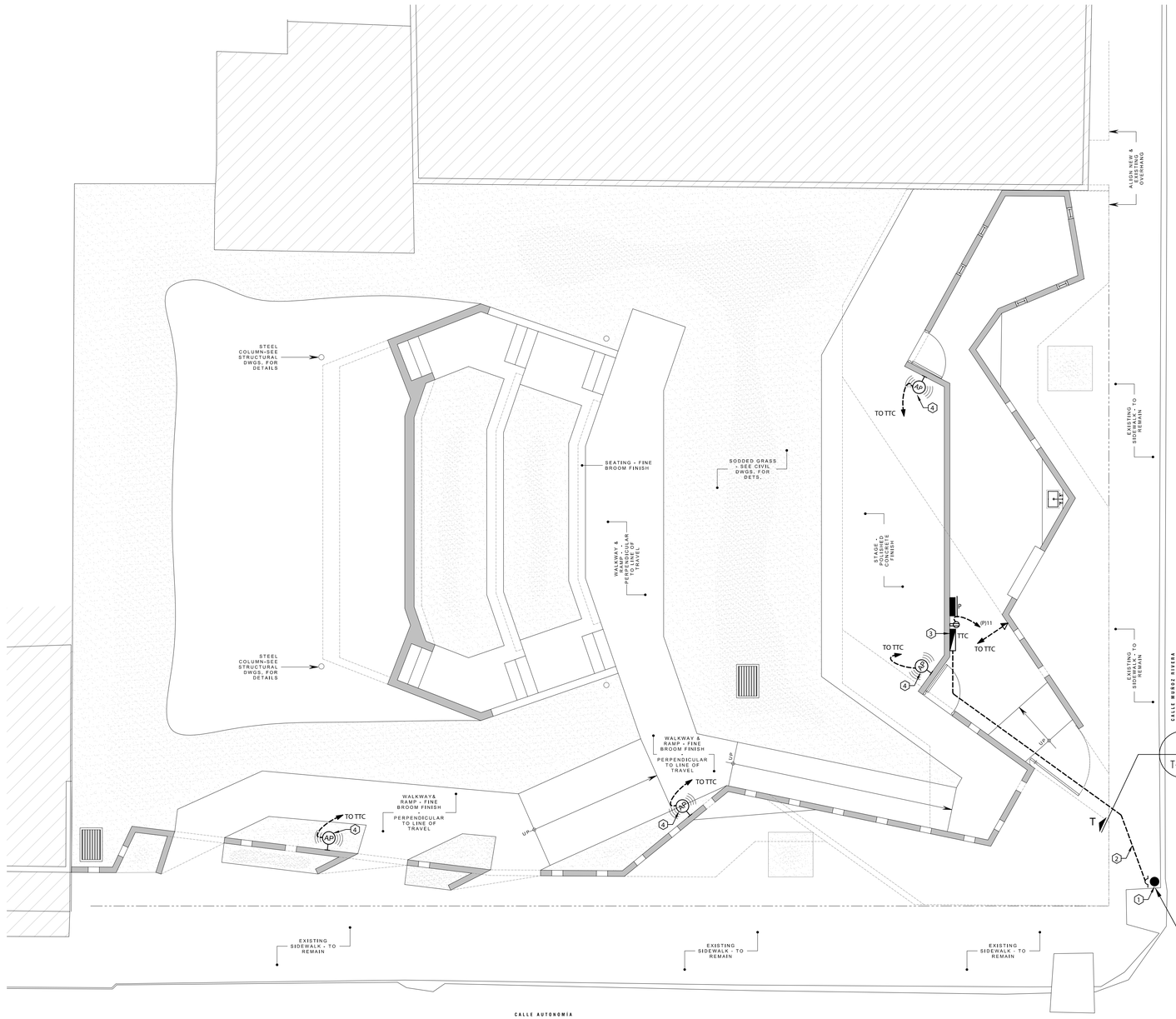
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BID SET January 10, 2025

PERMIT SET
DATE : JUNE 10, 2024

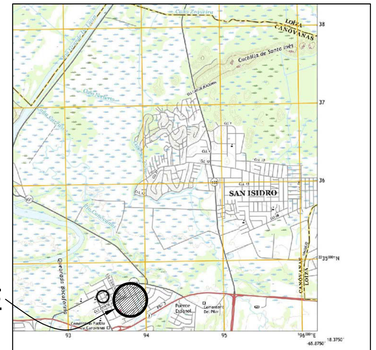
JRR — JAIME RIVERA ASSOCIATES
CONSULTING ENGINEERS
designed: A.LAZARO lic.: 11483
draftman: C.SANTIAGO lic.: 0388

This drawing is not authorized to be released for contract until fully approved by Architect, Owner and all corresponding Government Agencies including P.R.E.P.A. and Telephone Company.



Proposed Site Plan

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



SITE

LOCATION PLAN

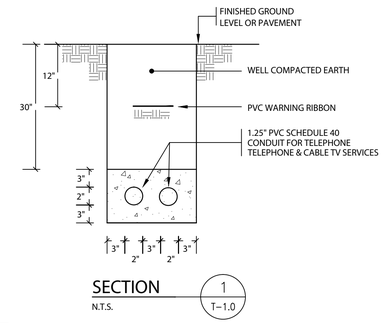
SCALE: 1=20,000

LAMBERT COORDINATES

X: 256,194.708 Y: 260,444.879

KETED NOTES:

1. EXISTING POLE WITH NEW TELECOMMUNICATION RISER 2-2" PVC SCH. 40 CONDUITS.
2. UNDERGROUND TELECOMMUNICATION CONDUIT RUN CONSISTING OF: 2-2" PVC SCH. 40 CONDUITS.
3. NEW TELECOM TERMINAL CABINET 3/4" x 4' x 8' PLYWOOD PANEL.
4. 4-INCH SQUARE BOX WITH WI-FI ANTENNA.
5. ▼ 4-INCH SQUARE BOX FOR DATA/TELEPHONE OUTLET.



SECTION

N.T.S.

1 / T-1.0

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3.0 The contractor shall check all dimensions, levels and angles on site prior to commencing any work.

4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.

5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS

REV. #	DATE	ISSUING REASON
-	-	-

PROFESSIONAL SEAL

CERTIFICACIÓN - COPYRIGHTS - PERMISOS

JULIEN MANTILLA BURGOS 809 EL [illegible] CERTIFICO Y [illegible] LAS ESPECIFICACIONES TÉCNICAS DE ESTE PROYECTO CUMPLEN CON LAS ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES DE LOS REGLAMENTOS Y [illegible] APLICABLES DE LA JURISDICCIÓN [illegible] ADJUNTAS, JUNTAS REGLAMENTADORAS [illegible] APLICABLES DE LA JURISDICCIÓN [illegible] ADJUNTAS. [illegible] [illegible] [illegible]

GENERAL NOTES:

1-THE DEVELOPER OR HIS REPRESENTATIVES SHALL SUPPLY AND INSTALL ALL MATERIALS REQUIRED FOR THE TELECOMMUNICATIONS INFRASTRUCTURE INCLUDING BUT NOT LIMITED TO THE 1", 2" AND 4" DIAMETER CONDUITS SHOWN ON THE PRINTS.

2-THE 1"Ø CONDUITS SHALL BE PVC SCH, 40 RODDED WITH 1/8" Ø NYLON ROPE.

3-THE 2" Ø PVC CONDUIT (FOR CATV DISTRIBUTION OF FACILITIES) AND THE 4"Ø (FOR TELEPHONE DISTRIBUTION FACILITIES) SHALL BE INSTALLED IN THE TELECOMMUNICATIONS EASEMENT, THE 2"Ø CONDUITS SHALL BE INSTALLED ON THE SIDEWALK SIDE OF THE TRENCH AND THE 4"Ø ON THE FARTHERMOST SIDE OF THE TRENCH FROM THE SIDEWALK (SEE EASEMENT CONDUIT INSTALLATION DETAIL)

4-THE 2"Ø AND 4"Ø CONDUITS SHALL BE SHC. 40 (MINIMUM) RODDED WITH ½"Ø NYLON ROPE WITH A MINIMUM BREAKING STRENGTH OF 500 LBS. AND SHALL BE TESTED WITH 1-3/5" AND 3-5/8" MANDRELS RESPECTIVELY.

5-ALL CONDUIT ENDS SHALL BE CAPPED WITH PVC END CAPS.

6-THE MINIMUM DEPTH OF THE CONDUITS PLACED ALONG THE EASEMENT AND SERVICE CONDUITS TO EACH RESIDENCE SHALL BE:

a. 1"Ø CONDUITS 14" BELOW GROUND LEVEL
b. 2"Ø CONDUITS 24" BELOW GROUND LEVEL
C. 4"Ø CONDUITS 24" BELOW GROUND LEVEL

7-IN CONDUITS ARE INSTALLED ON CONCRETE PLASTIC SPACERS SHALL BE INSTALLED EVERY SIX FEET (6') OR AS SPECIFIED BY THE MANUFACTURER IN ORDER TO MAINTAIN THE PROPER CONDUIT FORMATION AND SEPARATION..

8-WHEN EXPOSED TO VEHICULAR TRAFFIC (HIGHWAY STREET AND CARPORT CROSSINGS) CONDUITS SHALL BE INSTALLED AT A DEPTH BETWEEN 30" AND 36" MEASURED FROM THE SURFACE OF THE PAVEMENT AND SHALL BE ENCASED IN CONCRETE WITH A MINIMUM RESISTANCE OF 3000 LBS. PER SQUARE INCH (3000 PSI).

9-TRENCH BACKFILLING SHALL BE PERFORMED WITH SELECTED MATERIALS FREE OF LARGE STONES AND OTHER CONTAMINANTS SUCH AS SCRAPS OF WOOD, ASFALT, CONCRETE PAVEMEM ETC. BACKFILL SHALL BE COMPACTED TO 95% IN 6" LAYERS BY MEANS OF A TAMPER, WITH THE FIRST (12") INCHES TAMPED USING LIGHTWEIGHT EQUIPMENT.

10-A SIX INCH WIDE ORANGE WARNING RIBBON (EQUAL OR SIMILAR TO TERRA TAPE 42-007) SHALL BE INSTALLED AT A DEPTH OF TWELVE INCHES 12" BELOW GROUND LEVEL ABOVE THE CONDUITS AND ALONG THE WHOLE CONDUIT ROUTE.

11-THE DEVELOPER OR HIS REPRESENTATIVES SHALL CLEARLY IDENTIFY ALL CONDUIT ENDS (INCLUDING BUT NOT LIMITED TO DISTRIBUTION POINTS, SERVICE CONDUITS) WHEN SPLICING OR DISTRIBUTION BOXES HAS NOT BEEN SPECIFIED OR RECOMMENDED, SEE WOOD STAKE DETAIL.

12-THE 2"Ø AND 4"Ø CONDUITS BENDS SHALL NOT BE LESS THAN 90° AND SHALL HAVE A MINIMUM RADIUS OF 36". ALL CONDUITS SHALL BE LIMITED TO TWO 90° SWEEPING BENDS IN A CONDUIT SECTION.

13-GENERALLY 3' X 3' X 3' AND 4' X 4' X 4' DISTRIBUTION BOXES AS WELL AS 6' X 4' X 4' AND 7' X 4'-6" X 4' SPLICE BOXES SHALL BE PLACED FOR TELECOMMUNICATIONS SERVICES (TELEPHONE FACILITIES) AS INDICATED ON PRINTS.
THESE BOXES WILL NOT BE LOCATED IN AREAS NOT EXPOSED TO VEHICULAR TRAFFIC AND SHOULD BE DESIGNED TO RESIST INCIDENTAL TRAFFIC. IF BOXES WILL BE EXPOSED TO VEHICULAR TRAFFIC A MANHOLE OR SPECIAL BOX DESIGNED FOR THAT APPLICATION SHOULD DE INSTALLED WITH THE CAPACITY TO AVOID ANY DEFORMATION OR COLLAPSE OF ITS ENTRANCE COVER, SIMILAR OR EQUAL TO POWER POLES MH6'X6'X7'.

14-DISTRIBUTION BOXES SHALL BE PLACED IN EASEMENT LOCATED TWO FEET FROM THE PROPERTY LINE IN BETWEEN LOTS WITHOUT INTERFERING WITH ANY ENTRANCE (CARPORT OR SIDEWALK).

15-DISTRIBUTION BOXES AND SPLICE BOXES SHALL BE:

a. PREFABRICATED WITH STEEL REINFORCED CONCRETE (EQUAL OR SIMILAR TO POWER POLE INC.)
b. CAST IN PLACE WITH STEEL REINFORCED CONCRETE
C. PREFRABRICATED WITH POLYMER CONCRETE (EQUAL OR SIMILAR TO QUAZITE) 17"X30"X18" (MAXIMUM SIZE ALLOWED) ONLY WILL BE ACCEPTED FOR CABLE TV APPLICATION IN AREAS WITH SPACE PROBLEMS.

NOTE: ANY CHANGE IN THE TYPE OF BOXES TO BE USED WILL REQUIRE THE APPROVAL OF NET BEFORE THEIR INSTALLATION.

16-ALL CONDUITS, WHETHER OR NOT IN USE, SHALL BE SEALED IN DISTRIBUTION BOXES, SPLICE BOXES, AND BUILDINGS TELECOMMUNICATIONS CABINET USING A DUCT SEALER (EQUAL OR SIMILAT TO 3M 4414 DICT SEALING KIT).

17-2"Ø CONDUITS FOR CABLE TELEVISION (CATV) DISTRIBUTION FACILITIES IN RESIDENTIAL PROYECTS, OF SINGLE FAMILY UNIT HOMES, ROW HOUSES, PATIO HOUSES ETC., SHALL NOT BE TERMINATED AT TELECOMMUNICATIONS DISTRIBUTION BOXES. THESE CONDUITS, AS WELL AS 1"Ø CONDUITS FOR CATV SERVICE DROPS, SHALL BE END CAPPED LEFT AT CATV DISTRIBUTION POINT LOCATED IN THE PLANTING STRIP GENERALLY NEXT TO LIGHT POSTS) AS INDICATED ON PRINTS.

18-THE EXTERIOR METALLIC BOXES (4"X 4" X 2-1/8" MINIMUM), FOR TELECOMMUNICATIONS SERVICE DROPS (TELEPHONE AND CATV), SHALL BE INSTALLED ON ONE OF THE LIVING UNITS WALLS CONVENIENTLY LOCATED SO AS TO PROVIDE EASY UNOBSTRUCTED ACCESS.

19-THE CONDUIT, THROUGH WITH THE GROUND WIRE FOR THE EXTERIOR SERVICE DROP METALLIC BOXES SHALL BE INSTALLED, SHALL COME OUT THE LIVING UNIT WALL AT A DEPTH OF SIX INCHES BELOW GROUND LEVEL.

20-THE TELECOMMUNICATIONS SERVICE DROPS ELECTRICAL GROUNDING WILL BE ACHIEVED WITH THE 8' X 5/8" COPPERWELD GROUND RODS INSTALLED BY THE TELECOMMUNICATIONS SERVICE PROVIDER AND MUST COMPLY WITH THE CURRENT NATIONAL ELECTRICAL CODE..

21-ALL TELECOMMUNICATIONS SYSTEMS (TELEPHONE AND CATV) SHALL BE BONDED AND GROUNDED AT ALL POINTS, AND MUST COMPLY WITH THE CURRENT NATIONAL ELECTRICAL CODE..

22-NO MORE THAN TWO 90° BENDS SHALL BE ALLOWED IN THE CONDUITS CONNECTING THE EXTERIOR SERVICE DROP METALLIC BOXES AND THE INTERIOR SERVICE BOXES.

23-THE INTERIOR RESIDENTIAL TELECOMMUNICATIONS SERVICE DISTRIBUTION CONDUITS SHALL HAVE A MINIMUM 3/4" INSIDE DIAMETER AND EACH LIVING UNIT SHALL BE PROVIDED WITH TELECOMMUNICATIONS SERVICES (TELEPHONE AND CATV) OUTLETS IN THE KITCHEN, LIVING ROOM AND EACH OF THE BEDROOMS.

24-AT WALK-UPS AND MULTI-STORY RESIDENTIAL BUILDINGS, THE MINIMUM SIZE FOR TELECOMMUNICATIONS CABINETS (TELEPHONE AND CATV) SHALL BE 36"X24"X6" FOR (TELEPHONE) AND 36"X36"X8" FOR (CATV) AND SHALL SERVE NO MORE THAN 16 UNITS. THE CABINET SHALL BE EQUIPED WITH A 3/4" THICK PLYWOOD BACKBOARD, A HINGED DOOR WITH LATCH AND KEY, AND SHALL HAVE COMPLETE FRONTAL ACCESS, THE CABINETS SHALL ALSO PROVIDE FOR THE PROPER BONDING AND GROUNDING OF THE TELECOMMUNICATIONS FACILITIES AND MUST COMPLY WITH THE CURRENT NATIONAL ELECTRIC CODE.

25-WALK-UP PROJECTS SHALL HAVE INDEPENDENT TELECOMMUNICATIONS CABINETS FOR TELEPHONE AND CATV SERVICES. THE TELEPHONE CABINETS SHALL BE CONNECTED TO THE NEAREST SPLICING BOX BY MEANS OF 2-2"Ø PVC CONDUITS. THE CABLE TV CABINET WILL BE CONNECTED TO THE NEAREST SPLICING BOX OR THE NEAREST CABLE TV CABINET (IN THE NEXT BUILDING) DEPENDING ON THE LOOP DESIGN SPECIFIED ON THE DRAWINGS BY MEANS OF 2-2" PVC CONDUITS.
THE MINIMUM SIZE OF THE SLPICING BOX SHALL BE 7'X4'-6"X4' AND MAY BE JOINTLY USED FOR TELEPHONE AND CATV SERVICES.

26-RESIDENTIAL BUILDINGS (MULTI-STORY APARTMENT BUILDINGS OTHER THAN WALK-UPS, HIGH-RISE CONDOMINIUMS, ETC.,) SHALL HAVE INDEPENDENT MAIN DISTRIBUTION CABINETS FOR TELEPHONE AND CATV SERVICES. THE MAIN DISTRIBUTION CABINETS, GENERALLY CONSISTING OF AN 8'X4'X3/4" FIRE-RETARDANT PLYWOOD PANEL OR AN 8'X4'X3/4" TREATED PLYWOOD PANEL PAINTED WITH TWO COATS OF FIRE RETARDANT PAINT, WILL BE PLACED IN TELECOMMUNICATIONS' CLOSET OR ROOM. THE MAIN DISTRIBUTION PANELS FOR TELEPHONE AND CATV SERVICES SHALL BE CONNECTED VERTICALLY TO OTHERS DISTRIBUTION CABINETS (EACH SERVING A MAXIMUM OF A 16 UNITS) BY MEANS OF 2-4"Ø AND 2-2"Ø PVC CONDUITS RESPECTIVELY.

27-EACH CABINET OR PANEL SHALL ALSO PROVIDE FOR THE PROPER BONDING AND GROUNDING OF THE TELECOMMUNICATIONS FACILITIES WITH A GROUND BAR, GROUND WIRE AND CONNECTED TO A 8'X5/8" COPPER WELD GROUND ROD SYSTEM AND MUST COMPLY WITH THE CURRENT NATIONAL ELECTRIC CODE. THIS WILL BE A DEVELOPER RESPONSIBILITY.

28-ALL APARTMENT SHALL BE CONNECTED TO EACH OF THEIR CORRESPONDING DISTRIBUTION CABINETS (TELEPHONE AND CATV) BY MEANS OF 1-1"Ø CONDUIT.

29-ENTRANCE FACILITIES FOR RESIDENTIAL BUILDINGS SHALL CONSISTING OF A MINIMUM OF 2-4"Ø FOR TELEPHONE SERVICE AND 2-2"Ø PVC CONDUITS FOR CATV SERVICE. THESE CONDUITS SHALL CONNECT THE MAIN DISTRIBUTION CABINETS AND THE DESIGNATED BUILDING TELECOMMUNICATIONS POINT OF CONNECTION. WHEN A BUILDING'S TELECOMMUNICATIONS POINT OF CONNECTION IS A SPLICE BOX IT SHALL HAVE A MINIMUM SIZE OF 7'X4'-6"X4' AND MAY BE JOINTLY USED FOR TELEPHONE AND CATV SERVICES.

SPECIAL NOTES

30-THE DEVELOPER IN COMPLIANCE WITH THE PUERTO RICO PLANNING BOARD'S "REGLAMENTO DE CONJUNTO PARA LA EVALUACION Y EXPEDICION DE PERMISOS AL DESARROLLO Y USO DE TERRENOS, REVISADO" SHALL TRANSFER TO THE TELECOMMUNICATIONS BUREAU OF PUERTO RICO (NET) THE RIGHTOF WAY DEPICTED ON THESE DRAWINGS REQUIRED TO PROVIDE TELECOMMUNICATIONS SERVICES (TELEPHONE AND CATV) TO THIS PROJECT BY MEANS OF A PUBLIC DEED..

31-THE NET MAY ISSUE PARTIAL ENDORSEMENTS FOR SINGLE FAMILY RESIDENTIAL PROJECTS (SINGLE FAMILY HOUSES, ROW HOUSES, TOWNHOUSES, PATIO HOUSES, ETC.) SO THAT THE DEVELOPER CAN DELIVER PORTIONS OF THE PROJECT AS THEY ARE COMPLETED. ONCE THE PROJECT IS COMPLETED, THE DEVELOPER SHALL COMPLY WITH THE PROCEDURE SPECIFIED IN SECTION 5.02.6 OF THE NET'S "REGLAMENTO PARA ENDOSOS DE SERVIDUMBRES E INFRAESTRUCTURA" RELATED TO OBTAIN FINAL ENDORSEMENTS.

32-THE DEVELOPER SHALL ALLOW TELECOMMUNICATIONS SERVICE PROVIDERS (TELEPHONE AND CATV), DULY AUTHORIZED BY THE NET TO PROVIDE SAID SERVICES, TO INSTALL THEIR DISTRIBUTION FACILITIES IN A COORDINATED AND ORDERLY MANNER IN THOSE PORTIONS OF THE PROJECT FOR WHICH A PARTTIAL ENDORSEMENT HAS BEEN ISSUED.

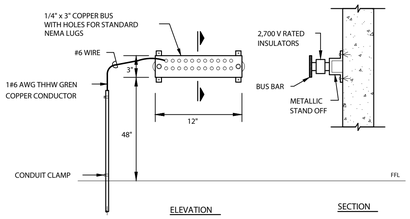
33-THE DEVELOPER SHALL COORDINATE WITH TELECOMMUNICATIONS SERVICE PROVIDERS (TELEPHONE AND CATV) AND PUERTO RICO ELECTRICAL POWER AUTHORITY (PREPA) THE INSTALLATION OF RISERS, THE CONNECTION OF CONDUITS OR THE ACCESS TO THEIR FACILITIES.

34-THE DEVELOPER SHALL COORDINATE WITH TELECOMMUNICATIONS SERVICE PROVIDERS (TELEPHONE AND CATV) AND WITH ANY OTHER PUBLIC OR PRIVATE ORGANIZATION WHOSE FACILITIES AFFECT THE CONSTRUCTION OF THE PROJECT, THE REMOVALS, RELOCATION AND/OR MODIFICATIONS OF ANY EXISTING INFRASTRUCTURE.

35-THE DEVELOPER SHALL ASSIGN AN ENGINEER OR ARCHITECT TO INSPECT AND CERTIFY THAT HE CONTRUCTION JOBS WERE PERFORMED AND COMPLETED AS THE ENDORSED DRAWINGS BY THE NET. FOR THAT PROCESS WILL USED FORM NETPR F-102 AND SUBMIT TO NET AND OBTAIN THEIR APPROVAL BEFORE APPLY FOR THE PERMIT OF USE AT "OFICINADE GERENCIA DE PERMISOS (OGPE)",

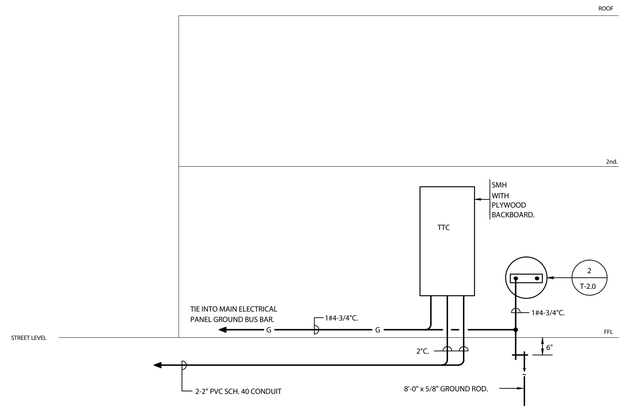
36-COMMERCIAL BUILDINGS WILL REQUIRE TWO (2) MAINDISTRIBUTION CABINETS OR PANELS FOR TELEPHONE AND CATV SERVICES, RESPECTIVELY. A TELECOMMUNICATION ROOM OR AREA WILL DE DESIGNATED TO PLACE THEM, AND THEY MUST COMPLY WITH ONE OF THE SPECIFICATION DESCRIBED BELOW:

a. TREATED WOOD PANEL 4'X8'X3/4" (DOUBLE COATED WITH WHITE FIRE-RETARDANT PAINT).
b. TELEPHONE METAL CABINET 36"X24"X6" (MIN) AND CATV 36"X30"X6", BOTH CABINET SHALL BE EQUIPPED WITH A 3/4" THICK TREATED PLYWOOD BACKBOARD, A HINGED DOOR WITH LATCH AND KEY, AND SHALL HAVE COMPLETE FRONTAL ACCESS.

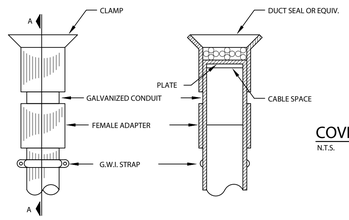


TEL. & DATA ROOMS GROUND BAR
N.T.S.

2 / T-2.0

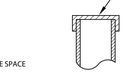


TELECOMMUNICATIONS RISER DIAGRAM
N.T.S.

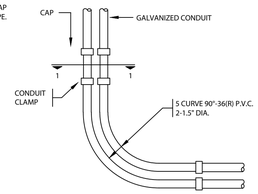


FROM VIEW
N.T.S.

SECTION A-A
N.T.S.

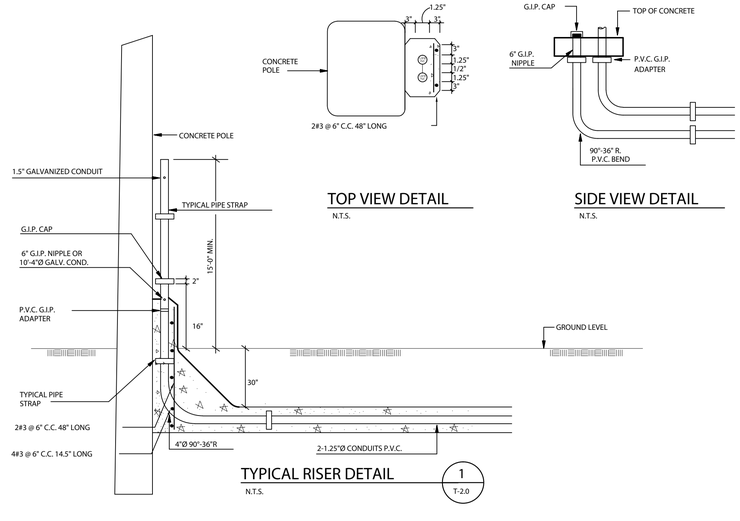


COVER DETAIL
N.T.S.



SIDE VIEW DETAIL
N.T.S.

SEAL CONDUIT DETAIL
N.T.S.



TYPICAL RISER DETAIL
N.T.S.

1 / T-2.0

TOP VIEW DETAIL
N.T.S.

SIDE VIEW DETAIL
N.T.S.

Notes:

1.0 Do not scale dimensions from drawings. Dimensions govern.

2.0 All dimensions are in feet and inches, unless noted otherwise.

3.0 The contractor shall check all dimensions, levels and angles on site prior to commencing any work.

4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.

5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS

REV. #	DATE	ISSUING REASON
-	-	-

PROFESSIONAL SEAL

CERTIFICACION + COPYRIGHTS + PERI RAM?

JUNTA REGLAMENTADORA DEL ESTADO LIBRE ASOCIADO DE PUERTO RICO
CERTIFICO QUE LOS PLANOS, ESPECIFICACIONES Y CÁLCULOS ESTRUCTURALES SOMETIDOS POR EL PROFESIONAL AUTORIZADO HAN SIDO EVALUADOS Y CUMPLEN CON LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS VIGENTES EN LA JURISDICCIÓN DE OBRAS PÚBLICAS. JUNTAS REGLAMENTADORAS AUTORIZADAS

n.formation studio

landscape . architecture . product
6777 AVE. Isla Verde, Edificio 309, Penthouse – Suite 221 Carolina, PR, 00979 – Office Tel. 787 (787) 316-1520 e-mail: info@informationstudio.com

PROJECT TITLE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

CONSULTANT

DWG. TITLE

TELECOM DETAILS

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT # 22-02
PROJECT PHASE Construction Docs - 100%
SHEET # 40
ISSUED TO -
DATE 16.xii.2022
DESCIPLINE

T-2.0

BID SET January 10, 2025

PERMIT SET
DATE : JUNE 10, 2024

JRR JAIME RIVERA & ASSOCIATES CIVIL ENGINEERS & LAND SURVEYORS

designed: A.LAZARO lic.: 11483
draftman: C.SANTIAGO lic.: 0388

This drawing is not authorized to be released for contract until fully approved by Architect, Owner and all corresponding Government Agencies including P.R.E.P.A. and Telephone Company.

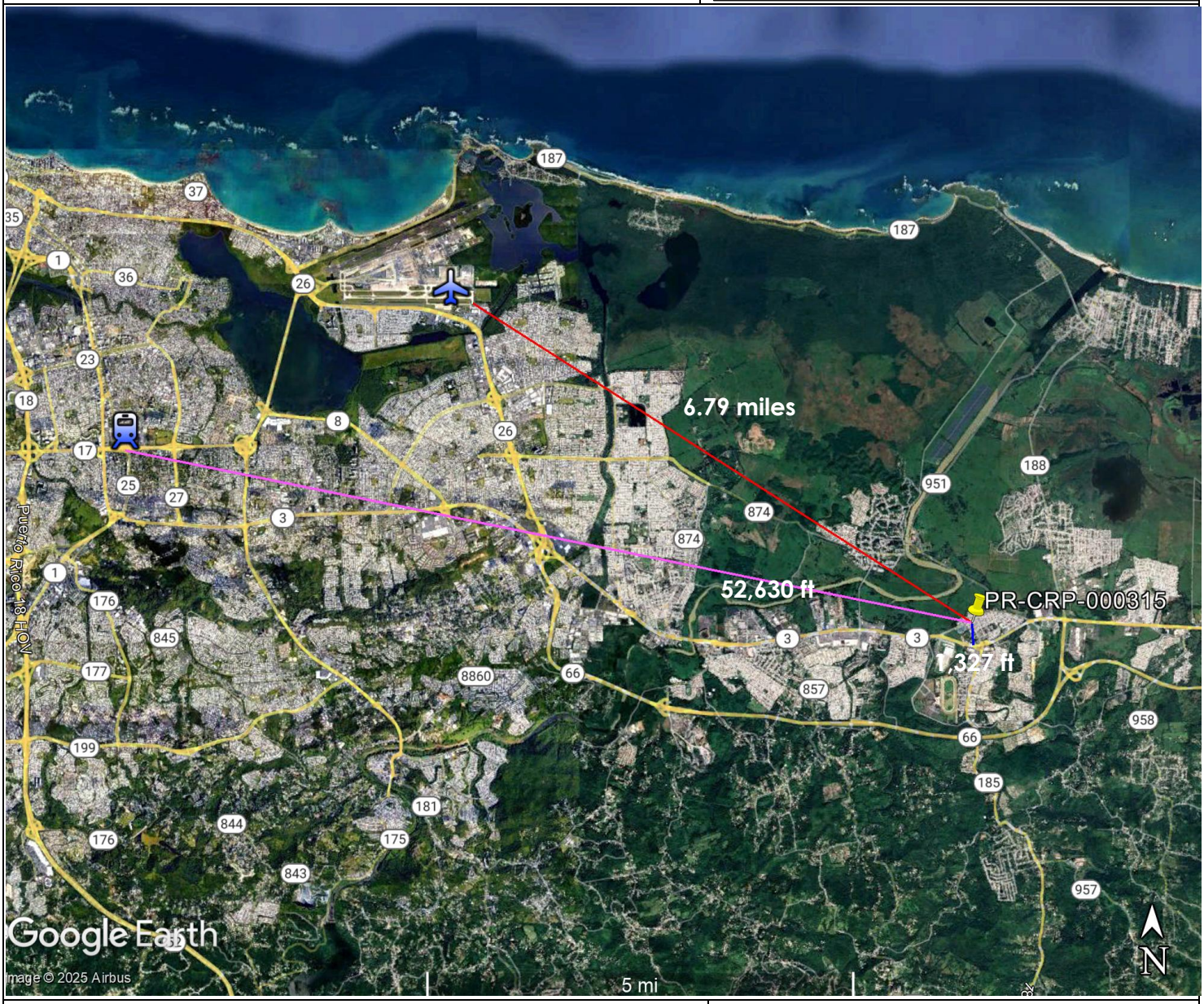

EXHIBIT 11

Distance to Airports, Major Roads and Railroads Image

Plaza Artes Teatrales (PR-CRP-000315)

1, Autonomía St. Muñoz Rivera Corner, Canóvanas
(Lat: 18.37868, Long: -65.90154)





Legend:

- Distance to PR-3 (0.37 miles / 1,327 ft)
- Distance to SJU Airport (6.79 miles / 35,851 ft)
- Distance to Tren Urbano (9.97 miles / 52,630 ft)
- Luis Muños Marín International Airport (SJU)
- PR-CRP-000315
- Tren Urbano

Source: Google Earth (https://earth.google.com/web/@18.37875667,65.90158252,13.86577531a,24.99919643d,35y,360h,0t,0r/data=CgRCAggBOgMKATBCAggASg0I_____ARAA)


EXHIBIT 12

Sole Source Aquifers Image
Plaza Artes Teatrales (PR-CRP-000315)

1, Autonomía St. Muñoz Rivera Corner, Canóvanas
(Lat: 18.37868, Long: -65.90154)

Green PRojects





Legend:

PR-CRP-000315

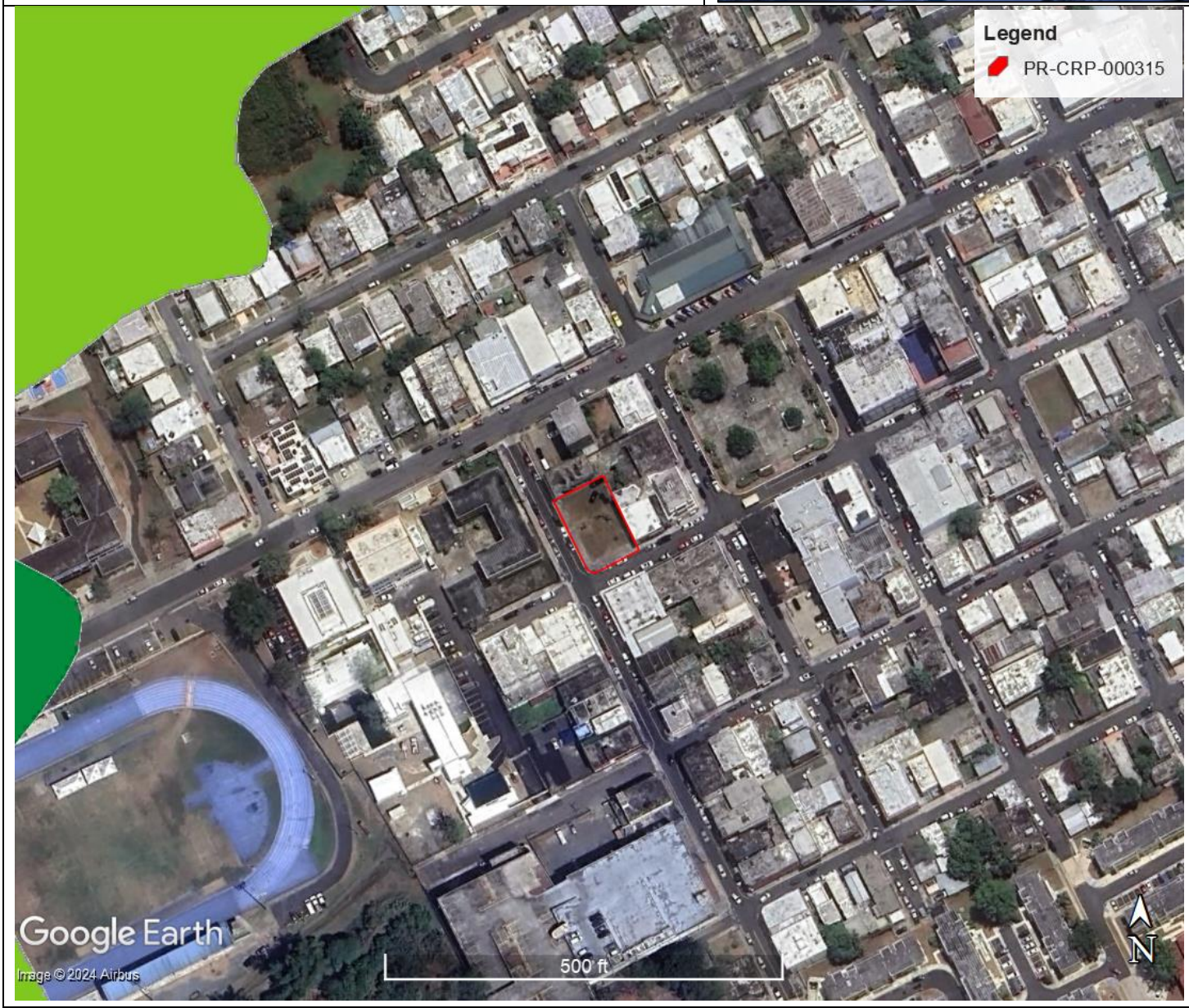
Source: Sole Source Aquifers Map (https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=9ebb047ba3ec41ada1877155fe31356b)


EXHIBIT 13

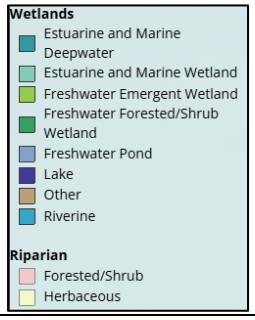
Wetlands Image
Plaza Artes Teatrales (PR-CRP-000315)

1, Autonomía St. Muñoz Rivera Corner, Canóvanas
(Lat: 18.37868, Long: -65.90154)





Legend:



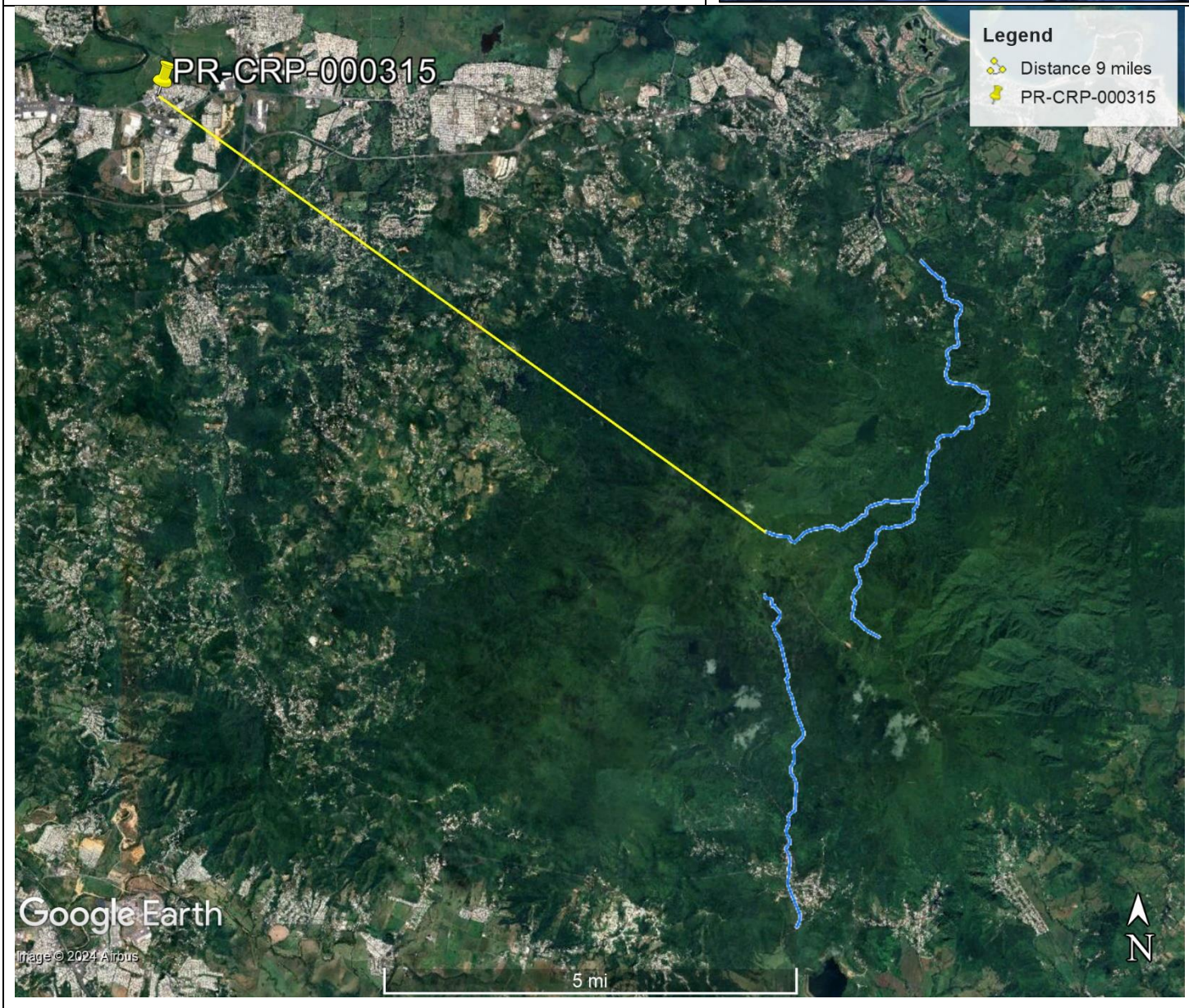
Source: USFWS Wetlands Mapper (https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/)


EXHIBIT 14

Wild and Scenic Rivers Image
Plaza Artes Teatrales (PR-CRP-000315)

1, Autonomía St. Muñoz Rivera Corner, Canóvanas
(Lat: 18.37868, Long: -65.90154)





Legend:

Distance 9 miles
PR-CRP-000315

National Wild and Scenic River Line

Source: Wild and Scenic Rivers Map (https://www.arcgis.com/apps/mapviewer/index.html ?layers=a37eb56966cc4b11b69909e288414e53)


EXHIBIT 15

24 de octubre de 2024

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

Estimado licenciado Rivera Torres:

AAA-RM-23-15-0006; CANÓVANAS – PLAZA DE ARTES TEATRALES PROP. MUN. DE CANÓVANAS
CALLE AUTONOMÍA, ESQ. CALLE MUÑOZ RIVERA
(6 UNIDADES EQUIVALENTES)
OGPE: 2023-480217-SRI-303312
(RECOMENDACIONES ACTUALIZADAS)

Nos referimos al proyecto de epígrafe, sometido ante nuestra consideración para que se informe en cuanto a las facilidades de agua y alcantarillado sanitario existentes que puedan servir al mismo. Según la información provista, se propone la construcción de un área de anfiteatro con área de tarima de doscientos cincuenta (250) pies cuadrados y un muro urbano colindante que le da continuidad a la fachada urbana del lugar. La altura de la estructura en su nivel más alto es de diez y seis (16) pies de alto. El proyecto cumplirá cabalmente con estándares del ADA para garantizar el acceso y disfrute de las facilidades El proponente además resalta que el proyecto deberá contar con un metro de 1" de diámetro para el servicio de agua y la conexión sanitaria de 3" de diámetro.

El servicio de agua podrá ser prestado mediante conexión a la línea de 4" de diámetro existente que discurre por la calle Muñoz Rivera, frente al proyecto.

El servicio de alcantarillado sanitario podrá ser prestado mediante conexión a la línea de 8" de diámetro existente que discurre por la calle Muñoz Rivera, frente al proyecto.

El dueño del proyecto debe seguir el siguiente procedimiento para la instalación y/o endoso final de la acometida y contador:

PAGOS APLICABLES A SER SOLICITADOS Y REALIZADOS POR EL DUEÑO DEL PROYECTO (La factura relacionada a estos cargos será solicitada en la Oficina de Proyectos Públicos y Privados – Región Metro)**:**

1. La ley 240 del 2014 establece que: "*Estarán exentos de las aportaciones de exacciones por impacto aquellos proyectos que obtengan una certificación de diseño verde, desarrollos privados de vivienda debidamente certificados como de interés social, proyectos cuyo dueño y proponente lo sea el Gobierno del Estado Libre Asociado de Puerto Rico, cualesquiera gobierno municipal o el Gobierno de los Estados Unidos de América.*" A tales efectos, este proyecto queda exento del pago de las aportaciones.
2. Deberá pagar a la AAA el costo de $2,930.70 por conexión. La conexión consistirá en una acometida de 1" de diámetro para la caja de contador.

3. Deberá pagar a la Autoridad por la adquisición del contador y la estrella con sistema antihurto (tipo Magulock).

CONDICIONES Y TRABAJOS A SER CONTRATADOS POR EL DUEÑO DEL PROYECTO:

4. La interconexión para el servicio de agua será de 1" de diámetro. Esta interconexión será realizada mediante incorporación de 1" de diámetro.
5. La conexión al sistema de acueductos deberá ser mediante incorporación. Refiérase a las Figuras # 11 del Reglamento de Normas de Diseño para más información (ver Anejo 1).
6. Las piezas de conexión a utilizarse para la instalación de acometidas serán de tipo "Flare" o rosca en caso de ser de cobre flexible tipo "K" o rosca en caso de construirse en bronce, no se permitirán conexiones realizadas con piezas soldadas.
7. La acometida de servicio será instalada perpendicular a la línea.
8. Los trabajos de instalación serán realizados por un maestro plomero o bajo la supervisión de este. Se resalta el hecho de que la interconexión del proyecto a los sistemas de servicio solo podrá ser realizado por personal de la Autoridad de Acueductos y Alcantarillados.
9. El personal de la AAA sólo realizaría el trabajo de incorporación de la acometida. Es decir, el dueño de proyecto deberá proveer y realizar las siguientes actividades:
    a. Excavación. Deberá obtener el Permiso para romper calle y/o acera del Departamento de Obras Públicas Estatal o Municipal. (La excavación y reposición será por cuenta del solicitante).
    b. Materiales para la incorporación. Incluye la tubería de la acometida de cobre tipo "K" y todas las piezas de conexión a utilizarse para la instalación de acometidas.
    c. Materiales para cubrir y resanar la vía de rodaje (mogolla, asfalto, y disposición del material de la excavación).
10. Se deberá construir protección de hormigón para la caja del contador, e instalar las mismas. Asimismo, se deberá proveer una llave de paso de bronce y de diseño aprobado a una distancia aproximada de un (1) pie dentro del límite del solar. Para esta última también debe proveerse protección de hormigón.
11. La caja para la protección del contador se instalará en el espacio reservado para siembra entre el sardinel y la acera. En caso de que este no existiera, dicha caja será instalada en la acera; fuera de los límites de la propiedad.
12. La caja de contador será instalada fuera de área de rodaje, estacionamiento o rampas de acceso.
13. La distancia entre las instalaciones de servicio de agua y las instalaciones eléctricas (postes, pedestales, etc.) será mayor o igual a cinco (5) pies. Cualquier situación que no permitiese el cumplimiento de esta distancia, deberá ser consultada con esta Oficina para aprobar alternativas que garanticen la seguridad de nuestros empleados.
14. La conexión al sistema de alcantarillado sanitario existente será mediante conexión en la calle Muñoz Rivera. La conexión deberá ser mediante la utilización de silla ("saddle connection"). Refiérase a la Figura # 33 del Reglamento de Normas de Diseño para más información (Ver Anejo 2).

15. **El tamaño de la acometida sanitaria deberá ser de 4" de diámetro, como mínimo**.
16. El material de la acometida sanitaria deberá ser PVC SDR-35.
17. Se deberá proveer un registro de limpieza ("clean-out") cerca de los límites de la propiedad en un área accesible, fuera de rampas de acceso, áreas de estacionamiento o cualquier otra área donde puedan transitar vehículos.
18. Se deberá mantener una distancia horizontal igual o mayor a 5 pies entre la acometida de alcantarillado sanitario y la del sistema de acueducto.

VALIDACIÓN DE OBRAS REALIZADAS:

19. Deberá solicitar validación (inspección) de la instalación de contador y los accesorios requeridos en la Oficina de Proyectos Públicos y Privados - Región Metro. También se validará la acometida y conexión al sistema sanitario. Luego de validarse que se ha cumplido satisfactoriamente con todos los requisitos anteriormente descritos, y aquellos otros administrativos propios de este tipo de proyecto, se otorgará el endoso y la autorización de conexión al sistema de acueducto y alcantarillado.

OTRAS CONDICIONES:

20. La Autoridad será responsable de la acometida hasta el contador, incluyendo éste, el dueño del proyecto del proyecto será responsable de la conservación y mantenimiento de toda instalación después del contador.
21. La Autoridad será responsable de la conservación de la acometida sanitaria hasta el registro de limpieza ("cleanout") localizado dentro de la propiedad o cerca de los límites de la misma. El dueño del proyecto será responsable de la operación y mantenimiento de toda instalación más allá de dicho registro.
22. Esta recomendación se emite con el propósito de brindar servicio de agua y alcantarillados sanitario a las instalaciones según descritas. La misma no podrá utilizarse para servicio de desarrollos residenciales, comerciales, industriales, institucionales, oficinas, hoteles y cualquier otro no considerado para propósitos de esta evaluación.

ESTO <u>NO</u> CONSTITUYE UNA AUTORIZACIÓN PARA QUE SE PRESTE EL SERVICIO DE AGUA MEDIANTE CONTRATO. DEBERÁ SOLICITAR LA VISITA PARA VALIDACIÓN FINAL. ESTE DOCUMENTO TENDRÁ VIGENCIA DE DOS (2) AÑOS A PARTIR DE LA FECHA DE ESTA COMUNICACIÓN.

Cordialmente,

Ing. Ricardo Velázquez Medina, PE
Gerente Técnico, Región Metro
Proyectos Públicos y Privados

c: Gerente PPP, Inspector, Oficina de Servicio al Cliente, Dueño/Proponente, Expediente, Archivo de Lectura


EXHIBIT 16

Field Visit Checklist & Site Evaluation						
Project Name:	**Plaza de Artes Teatrales (PR-CRP-000315)**		Latitude	**18.378686**		
Name:	Municipio de Canóvanas		Longitude	**-65.901594**		
Street Address	Autonomía Street and Luis Muñoz Rivera Street Intersection, Pueblo Ward		Apt/Suite			
City:	Canóvanas		State:	**PR**	Zip:	**00729**
Date of Visit:	**02/18/2025**	Field Visit Conducted By:		**Gamaliel Rivera Rivera**		

EXISTING ENVIRONMENTAL CONDITIONS ON & AROUND SITE		
Levee/Flood Control Structures (Levees, T-walls, pumping stations, etc.)		
Observations	Site Specific	Area
Not Apply	Not Apply	Not Apply
Toxic Chemicals & Radioactive Materials		
Petroleum or Chemical Storage		
	Site Specific	**Area**
Is there any evidence or indication of an underground storage tank (UST) may be located on site?	There No evidence or indication of an underground storage tank (UST) may be located on site	No Apply
If yes, are they in use?	Not Apply	No Apply
Are there any out-of-service underground fuel tanks?	There No out of service underground fuel tanks on the site	No Apply
Is there any evidence that any AST on the property are leaking?	There No AST on the property	No Apply
Polychlorinated Biphenyls (PCB): N/A		
	Site Specific	**Area**
Is there any evidence or indication of leaking electrical equipment (transformer - ground or pole mounted, capacitor, or hydraulic equipment) present on site?	There is no evidence or indication of leaking electrical equipment (transformer - ground or pole mounted, capacitor, or hydraulic equipment) present on site	No Apply

Hazardous Operations		
	Site Specific	**Area**
Is there any evidence of manufacturing operations utilizing or producing hazardous substances at or in close proximity to the site?	There No evidence of manufacturing operations utilizing or producing hazardous substances at or in close proximity to the site	No Apply
Is there any evidence or indication that past operations located on or in close proximity to the property used hazardous substances or radiological materials that may have been released into the environment?	There no evidence or indication that past operations located on or in close proximity to the property used hazardous substances or radiological materials that may have been released into the environment	No Apply
Notes/Observations:		

SITE PHOTOGRAPHS	Plaza de Artes Teatrales (PR-CRP-000315)
Lat: 18.378686, Lon: -65.901594	



NEPAssist Map	Plaza de Artes Teatrales (PR-CRP-000315)
Lat: 18.378686, Lon: -65.901594	



INSPECTION PHOTOGRAPHS	Plaza de Artes Teatrales (PR-CRP-000315)
Lat: 18.378686, Lon: -65.901594	

Site South View



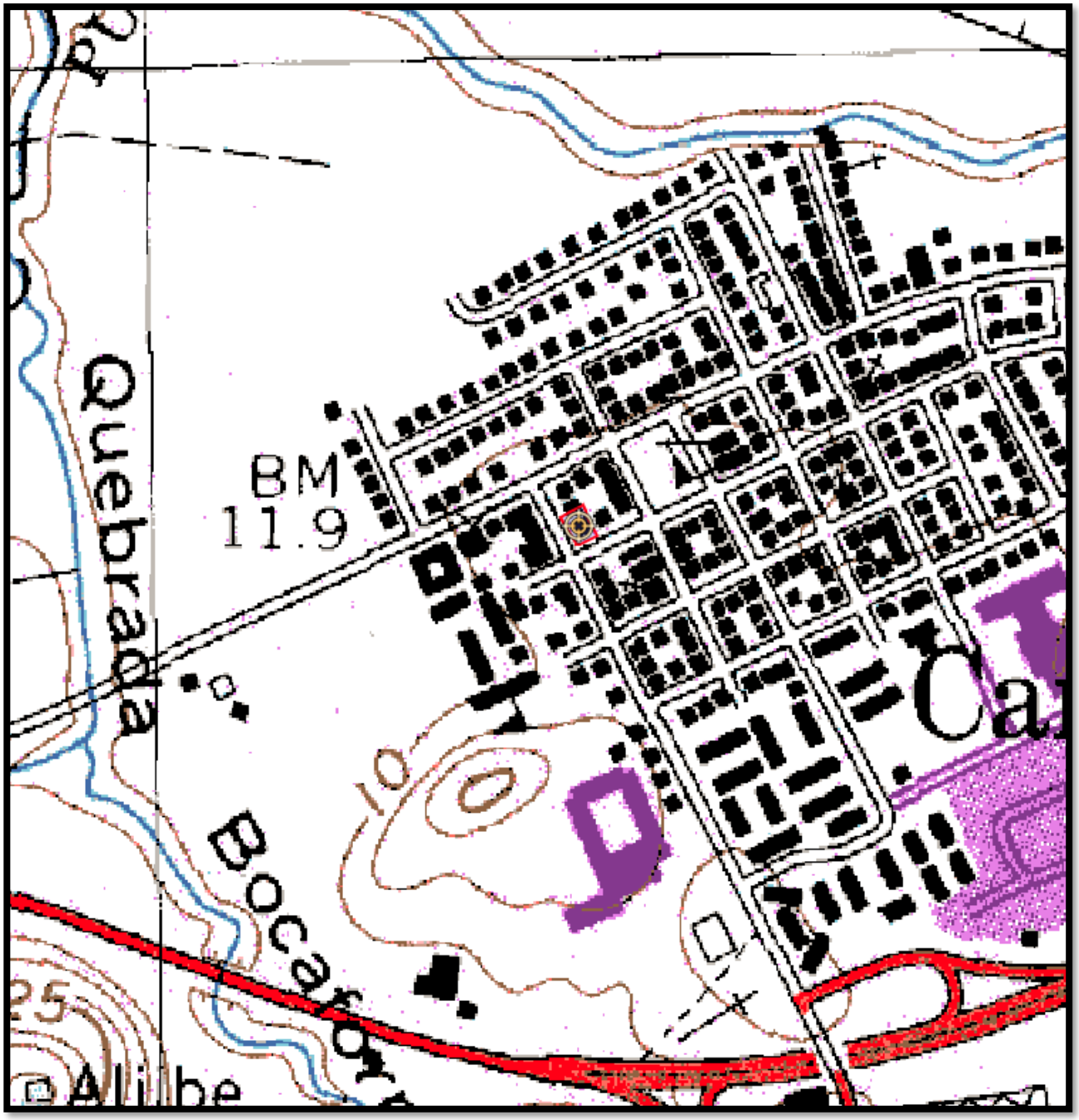
Site East View



Site West View



SITE TOPOGRAPHIC	Plaza de Artes Teatrales (PR-CRP-000315)
Lat: 18.378686, Lon: -65.901594	



Around Area Photos	Plaza de Artes Teatrales (PR-CRP-000315)
Lat: 18.378686, Lon: -65.901594	



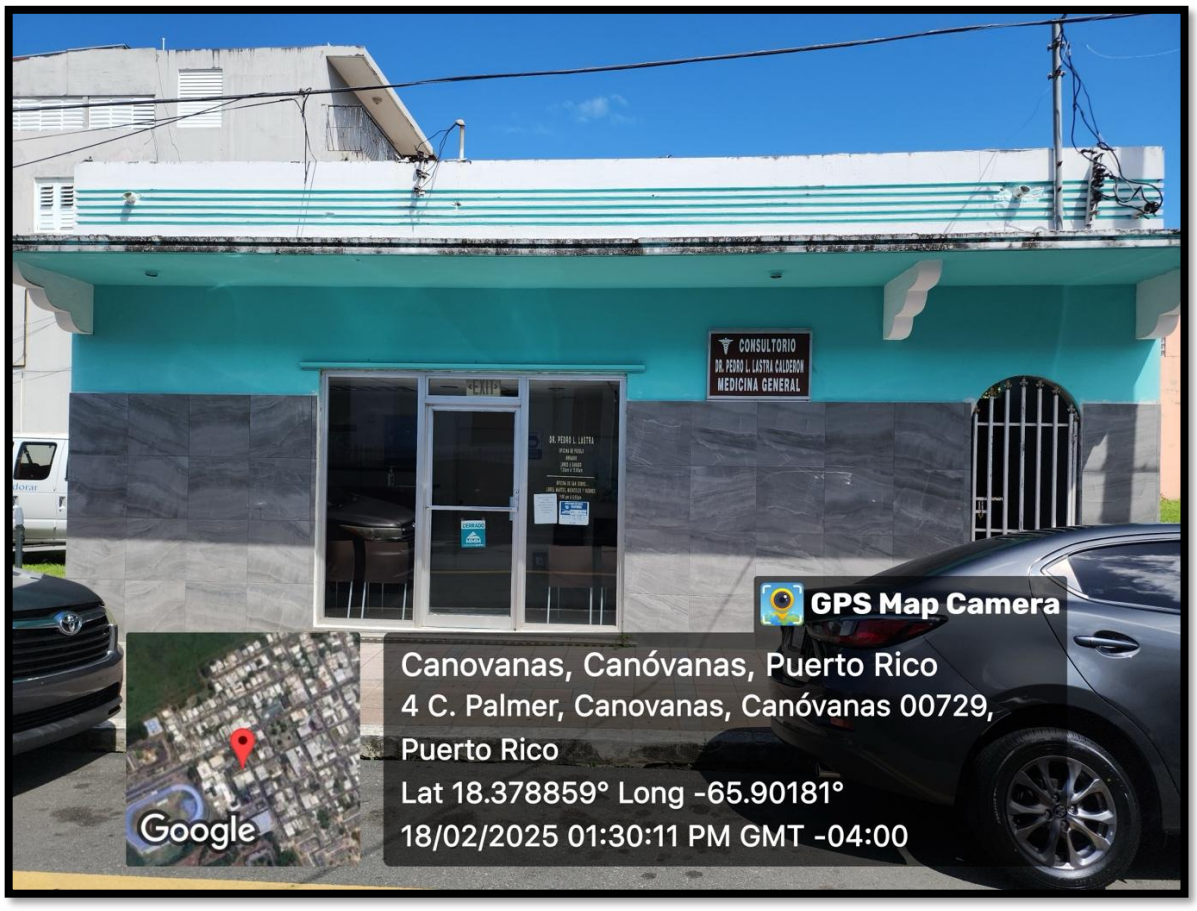



EXHIBIT 17

Certificación de Cumplimiento Ambiental por Exclusión Categórica

Plaza de Artes Teatrales

Fecha de Expedición:

21/MAR/2024

Datos de Localización

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

Dirección Física:

Dirección: CALLE AUTONOMIA ESQ MUNOZ RIVERA

Municipio: Canóvanas

Estado: Puerto Rico

Código Postal: 00729

Calificación

Distrito(s) de Calificación: D

Distrito en el Mapa de Inundabilidad: X

Tipo de Suelo: SNS

Dueño:

Municipio de Canovanas

Sometido por:

Elvelisse Figueroa

Número(s) de Catastro:

089-086-017-08

Datos de determinación

Exclusión Categórica

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

10

Fecha de Expedición:

21/MAR/2024

Condiciones Generales

De acuerdo con la solicitud de esta Determinación, se certificó cumplimiento con los siguientes requisitos, cuyo incumplimiento podrá repercutir en la revocación de esta Determinación:

1. Las actividades de uso o de construcciones livianas de nuevas estructuras no están ubicadas o desarrolladas en:

a. Areas especiales de riesgo de inundaciones, derrumbes o marejadas.

b. Areas en las que la Junta de Calidad Ambiental (JCA) u otras agencias gubernamentales estatales o federales hayan determinado que existe un grado de contaminación que excede el permitido por los reglamentos vigentes.

c. Areas ecológicamente sensitivas o protegidas, según establecido por el Departamento de Recursos Naturales y Ambientales (DRNA), en las que existan especies únicas de fauna o flora o que estén en peligro de extinción o en las que puedan afectarse ecológicamente sistemas naturales o artificiales, ya sea en forma directa o indirecta.

Certificación de Cumplimiento Ambiental por Exclusión Categórica

d. Areas en las que existan problemas de infraestructura o de deficiencias en los sistemas de servicios de suministro de agua potable, disposición de las aguas sanitarias, suministro de energía eléctrica o capacidad vial para el manejo adecuado del tránsito de vehículos de motor.

e. Areas que constituyan yacimientos minerales, conocidos o potenciales.

f. Areas en las que existen yacimientos arqueológicos o de valor cultural, según determinado por el Instituto de Cultura Puertorriqueña (ICP).

g. Areas de topografía escarpada, en cuencas hidrográficas donde se puedan afectar fuentes de abasto de agua potable.

h. Cualquier otra acción que la JCA haya establecido mediante Resolución.

2. No descargarán contaminantes a cuerpos de agua, ni generará desperdicios peligrosos o emisiones al aire que excedan dos (2) toneladas al año de contaminantes de aire criterio, o cinco (5) toneladas de cualquier combinación de contaminantes criterios, ni emitirá al aire contaminantes peligrosos o tóxicos u olores objetables.

3. La disposición o descarga de las aguas usadas se realizará mediante acometidas a un sistema sanitario existente, lo cual requerirá la obtención del endoso de la AAA previo a la solicitud de permisos de construcción.

4. Que existe la infraestructura necesaria (agua potable y alcantarillado sanitario suministrado por la AAA, energía eléctrica, alcantarillado pluvial, vías de acceso) para servir a la operación del proyecto o actividad propuesta, con excepción de los proyectos agrícolas que se ubican por regla general en las áreas rurales, así como las residencias unifamiliares asociadas en las que las instalaciones de esa naturaleza son limitadas.

5. La operación de la actividad no afectará áreas residenciales o zonas de tranquilidad por contaminación sónica según establecido por el Reglamento para el Control de la Contaminación por Ruido.

6. Que el desarrollo de la instalación comercial, industrial, de servicio, institucional y de desarrollo de terrenos para uso turístico y proyectos recreativos no excede de cinco mil (5,000) pies cuadrados de conStrucción en área total de ocupación y área bruta de piso y que cumple con las condiciones de ubicación y operación establecidas por la OGPe u otra agencia con jurisdicción, según sean aplicables.

7. El uso de edificios o estructuras existentes para facilidades comerciales, almacenes y usos industriales o de servicios no excederán de cien mil (100,000) pies cuadrados en área total de ocupación y área bruta de piso. Dicha operación deberá cumplir con las condiciones de ubicación y operación establecidas por la OGPe u otra agencia con jurisdicción, según sean aplicables, y las establecidas para las exclusiones categóricas en este Reglamento.

8. Para la ejecución o desarrollo de las acciones aprobadas como exclusiones categóricas, se requerirá la obtención de los permisos aplicables de las agencias gubernamentales para las etapas de construcción y operación.

9. La acción no ha sido fragmentada o segmentada para fines de la evaluación y será determinación de la agencia proponente si la misma satisface o no los requisitos para ser considerada y ejecutada bajo una exclusión categórica.

10. Que ha cumplido con el requisito de publicación de un Aviso Público de conformidad con la Regla 122 del Reglamento de Evaluación y Trámite de Documentos Ambientales de la JCA, en el caso que la acción propuesta esté relacionada al uso u otorgamiento de fondos federales que requieran un proceso de evaluación parecido al de NEPA (NEPA-Like Process).

Certificación de Cumplimiento Ambiental por Exclusión Categórica

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

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

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

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

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

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

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

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

C. Requisitos para Acciones de construcción nueva:

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

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

Certificación de Cumplimiento Ambiental por Exclusión Categórica

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

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

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

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

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

vi. Áreas que no cuenten con infraestructura para el suministro de agua potable, disposición de las aguas sanitarias, energía eléctrica o capacidad vial para el manejo adecuado del tránsito de vehículos de motor. Se dispensa de este requisito a las residencias unifamiliares y proyectos agrícolas en áreas rurales, en donde la infraestructura o servicios de esta naturaleza son limitados.

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

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

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

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

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

Aviso

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

Certificación de Cumplimiento Ambiental por Exclusión Categórica

Condiciones Especiales

SISTEMA SANITARIO SE CONECTARA A LA AAA

Firma / Sellos

Fecha de Expedición:
21/MAR/2024

Lcdo. Félix E. Rivera Torres
Secretario Auxiliar
Departamento de Desarrollo Económico y Comercio de Puerto Rico
Oficina de Gerencia de Permisos

Lcdo. Félix E. Rivera Torres

Secretario Auxiliar de la OGPe

SBP
SINGLE BUSINESS PORTAL

GOBIERNO DE PUERTO RICO
INSTITUTO DE CULTURA PUERTORRIQUEÑA
Programa de Patrimonio Histórico Edificado | pphe@icp.pr.gov

20 de marzo de 2024

Lic. Félix E. Rivera Torres
Secretario Auxiliar de Gerencia de Permisos
DEPARTAMENTO DE DESARROLLO ECONÓMICO Y COMERCIO
Oficina de Gerencia de Permisos
PO Box 41179
San Juan, Puerto Rico 00940-1179

RECOMENDACIÓN FAVORABLE

CASO OGPE:	**2023-480217-SRA-300176**
	2023-480217-SRA-066299
DESCRIPCIÓN:	PR-CRP-00315 PLAZA DE ARTES TEATRALES-NUEVA CONSTRUCCIÓN
UBICACIÓN:	CALLE AUTONOMÍA ESQ. MUÑOZ RIVERA
MUNICIPIO:	CANÓVANAS
CATASTRO:	089-086-017-08
CALIFICACIÓN:	D
PROPIETARIO:	GOBIERNO MUNICIPAL DE CANÓVANAS
PROPONENTE:	INFORMATION STUDIO, LLC

Estimado licenciado Rivera Torres:

El Instituto de Cultura Puertorriqueña (**ICP**), por medio de su Programa de Patrimonio Histórico Edificado (**ICP-PHE**), ha examinado el proyecto de referencia para determinar si afecta Propiedades de Valor Histórico y Arquitectónico que estén protegidas, o sean elegibles a serlo, bajo las leyes y reglamentos que nuestra agencia tiene responsabilidad de administrar, como agencia primaria, endosante o recomendante. Estas leyes y reglamentos incluyen, entre otros:

1. La ley 89 del 21 de junio de 1955 S.E., Ley Orgánica del Instituto de Cultura Puertorriqueña, en especial el inciso 4(a)(7), "Determinar que edificios o estructuras son de valor histórico o artístico en Puerto Rico. (…)" y el inciso 4(a)(8), "Asesorar a la Junta de Planificación en la reglamentación de construcción en aquellas zonas que determine como zonas de valor histórico. (…)".
2. La ley 89 del 21 de junio de 1955 S.E., Ley Orgánica del Instituto de Cultura Puertorriqueña, en su inciso 4(b)(3) según enmendado por la ley 119 del 26 de septiembre de 2005, que permite "adoptar, enmendar o derogar, por conducto de su Junta de Directores, las reglas que gobiernen [el] funcionamiento y el descargo de los poderes" concedidos e impuestos al **ICP** por ley, y la imposición de multas administrativas y/u otras sanciones por su incumplimiento o violación.
3. Ley Núm. 161 de 1 de diciembre de 2009, S.E., Ley para la Reforma del Proceso de Permisos de Puerto Rico, Artículo 1.5, inciso 31, el Instituto de Cultura Puertorriqueña es identificado como una de las agencias gubernamentales concernidas y con injerencia sobre el proceso de evaluación de solicitudes para el desarrollo y uso de terrenos, consultas, permisos, licencias, certificaciones, autorizaciones o cualquier trámite para la operación de negocios en Puerto Rico. Esta Ley establece claramente el requerimiento de autorización escrita

previa del ICP para toda intervención y operación en las propiedades incluidas en el Registro de Sitios y Zonas Históricas de Puerto Rico, plazas de recreo y centros fundacionales (ver Reglamento Conjunto).

A. Reglamento Conjunto para la Evaluación y Expedición de Permisos Relacionados al Desarrollo, Uso de Terrenos y Operaciones de Negocios, Reglamento 41 de la Junta de Planificación (RC-EMERGENCIA, "Reglamento Conjunto", "RC"); registrado en el Departamento de Estado de Puerto Rico bajo el Número 9473 con vigencia de 16 de junio de 2023. Tomo X: Conservación de Recursos Históricos.

B. Reglamento Conjunto para la Evaluación y Expedición de Permisos Relacionados al Desarrollo, Uso de Terrenos y Operaciones de Negocios, Reglamento 41 de la Junta de Planificación (RC-EMERGENCIA, "Reglamento Conjunto", "RC"); registrado en el Departamento de Estado de Puerto Rico bajo el Número 9473 con vigencia de 16 de junio de 2023. Tomos II, III, IV, VI, VII, IX .

4. La Ley Núm. 183 de 21 de agosto de 2000, S.E., Ley Orgánica de la Oficina Estatal de Conservación Histórica, Artículo 7(b) y Artículo 8 (b), establece implícitamente el requerimiento de la recomendación favorable previa del ICP en permisos para proyectos que cuenten con fondos, permisos o asistencia de alguna agencia federal para realizar intervenciones que puedan impactar propiedades localizadas en el territorio de Puerto Rico que hayan sido incluidas en el Registro Nacional de Lugares Históricos en Washington o sean elegibles al mismo.[1]
5. La Ley Núm. 416 de 22 de septiembre de 2004, S.E., Ley de Política Pública Ambiental de Puerto Rico, Artículo 4 establece que es responsabilidad continua del Estado Libre Asociado utilizar todos los medios prácticos, en armonía con otras consideraciones esenciales de la política pública, para mejorar y coordinar los planes, funciones, programas y recursos del Estado Libre Asociado con el fin de que Puerto Rico pueda preservar los importantes aspectos históricos, culturales y naturales de nuestro patrimonio y mantener, donde sea posible, un medio ambiente que ofrezca diversidad y variedad a la selección individual. Se requiere la evaluación del ICP en la etapa de cumplimiento ambiental previo a permiso.
6. La Ley Núm. 60 de 1 de julio de 2019, S.E., Código de Incentivos de Puerto Rico, Capítulo 7 Infraestructura y Energía Verde, Sección 2071.01, Inciso 1: Se provee para que un negocio establecido, o que será establecido, en Puerto Rico por una Persona, organizado o no bajo un nombre común, pueda solicitarle al Secretario del DDEC la Concesión de Incentivos cuando la Entidad se establece en Puerto Rico para dedicarse a una de las siguientes actividades elegibles: Realizar obras de mejoras, restauración o reconstrucción de edificios existentes, u obras de reestructuración o nueva construcción en solares baldíos en las Zonas Históricas de Puerto Rico, y los alquileres de tales edificios localizados en tales zonas una vez hayan sido mejorados, restaurados, reconstruidos, restructurados o construidos, según sea el caso. Se requiere la Recomendación previa del ICP a ejecución de las obras.
7. La exigencia de endoso o comentario del **ICP** aplicable a propiedades designadas de valor histórico y arquitectónico por otros medios, tales como:

   a. Resolución de la Honorable Asamblea Legislativa del Estado Libre Asociado de Puerto Rico
   b. Resolución de una Honorable Asamblea Legislativa Municipal
   c. Monumentos Históricos designados por la Junta de Directores del **ICP**

[1] La OECH **asiste** a las agencias federales en el proceso de cumplimiento con el 54 USC 306108 (Sección 106 de la Ley de Preservación Histórica Nacional) y el 36 CFR Parte 800: Protección de Propiedades Históricas, pero esta consulta **no sustituye** los permisos ni las recomendaciones requeridos en Puerto Rico para intervenciones en propiedades históricas en virtud de la Ley 161-2009, según enmendada, Ley para la Reforma del Proceso de Permisos de Puerto Rico y la Ley 89-1955, según enmendada, Ley Orgánica del Instituto de Cultura Puertorriqueña.

d. Propiedades designadas por un plan de ordenamiento territorial de un Municipio Autónomo y que esté en vigor, o por el Plan de Uso de Terrenos de Puerto Rico
e. Ser identificadas históricas y/o recomendadas para conservación y restauración en un plan especial de zonificación.
f. Otras propiedades referidas por cualquier componente del Sistema Unificado de Información (**SUI**), la Oficina de Permisos de un Municipio Autónomo con poder de otorgar permisos, la Junta de Planificación, el Programa de Arqueología y Etnohistoria del **ICP**, u otra agencia o entidad de gobierno con poder reglamentario.

8. Petición a solicitud voluntaria de un propietario o derechohabiente de una propiedad.

De acuerdo a nuestros expedientes y la información provista:

1. Se propone la activación de espacios vacíos en el casco urbano, en este caso servirá como extensión de la Escuela, localizada en el lado oeste del predio. El proyecto consiste en generar un área de anfiteatro y un área de tarima (250 pies cuadrados). Siendo el predio una esquina, se establece como estrategia de diseño completar la trama urbana a través de un muro urbano. El mismo se define respondiendo a las alturas de las estructuras adyacentes. Como una cortina de teatro, el muro urbano se articula para generar múltiples entradas al solar, área de espera para estudiantes, y espacios de tarima y de uso múltiple.
2. La propiedad es un terreno actualmente vacante por demolición total de estructura colapsada cerca del 2012 (según fotos aéreas de la época). Conforme a la información disponible en nuestros archivos:
   a. Los inventarios de recursos culturales del Municipio de Canóvanas (ICP/estatal y OECH/federal), el Plan de Revitalización de los Centros Urbanos y en el Memorial del Plan de Ordenación Territorial (POT), todos del siglo pasado, identifican en este lote urbano una estructura potencialmente elegible a sitio histórico.
   b. Construida durante el primer cuarto del siglo XX (entre 1900-1917), esta propiedad se describía en el POT (2002) como sigue: *"Antigua Lechería. Está ubicada en la calle Muñoz Rivera esquina Autonomía, y fue construido como lechería y almacén para el ganadero José Flores Mundo, posteriormente pasó a ser botica, vivienda de la familia Mundo Pagán y carnicería municipal. Desde 1972 está abandonada y en avanzado estado de ruina. Es junto a la Alcaldía el único edifico monumental. Es un edificio neoclásico, ecléctico en hormigón del 1917, tiene pilastras, modillones cornisa, friso, frontón, todo de carácter ecléctico y tiene dos fachadas. El edificio tiene valor histórico".*
   c. Los mapas de estudio para el Plan de Revitalización de los Centros Urbanos (2006) la identificaba y calificaba como de valor histórico-arquitectónico, pero en estado ruinoso y quemada. La ficha E-2 correspondiente al Inventario de Recursos Históricos de Puerto Rico para el Plan de Revitalización de los Centros Urbanos (2006) la describe como sigue: *"La estructura de esquina localizada en el centro urbano del pueblo, consiste de dos niveles construidos en hormigón armado con planta en forma de "L". Su fachada consiste de un plano con dos niveles con pilastras, capiteles y cornisas, un balcón con baranda de hormigón en el segundo nivel y cornisa con frontón en el parapeto. Significado: Esta estructura ha estado en el panorama del pueblo de Canóvanas desde su fundación."*
3. La propiedad no es al momento Sitio Histórico designado, ni es parte de una Zona Histórica (continua o discontinua) según estos conceptos están definidos por el tomo XII (12), parte III, definiciones S-67, Z-12[=13] y Z-13[=14], y elaborados en el tomo X (10), del Reglamento Conjunto.

4. No es un Monumento Histórico declarado según este concepto está definido por el Tomo XII Glosario de la Junta de Planificación, parte III, definición M-55 del Reglamento Conjunto.
5. La propiedad se localiza en centro fundacional, entiéndase plaza de recreo y bloques circundantes.
6. La propiedad se localiza dentro de los límites de un centro urbano según este concepto está definido por el Tomo XII Glosario de la Junta de Planificación, parte III, definición C-71 del Reglamento Conjunto.
7. La propiedad está reglamentariamente bajo competencia del ICP.
8. En el año 2023, bajo el número de caso 2023-480217-SRA-066299 el PPHE emitió una Recomendación Favorable Condicionada a este proyecto en su Fase Preliminar de Diseño.

Luego de la evaluación del caso se determina que el mismo **CUMPLE** con nuestros requerimientos y se determina dar una **RECOMENDACIÓN FAVORABLE** al proyecto propuesto.

Este comentario, no incluye los elementos a ser evaluados por el Programa de Arqueología y Etnohistoria del ICP. La Ley 161-2009, según enmendada, Artículo 19.6, enmienda las Secciones 2 y 3 de la Ley Núm. 112 de 20 de julio de 1988, según enmendada, conocida como "Ley de Protección del Patrimonio Arqueológico Terrestre de Puerto Rico", a los fines de transferir al Instituto de Cultura Puertorriqueña toda facultad, deber u obligación referente a la evaluación para la otorgación o denegación de determinaciones finales o permisos, esto en coordinación con la Oficina de Gerencia de Permisos.

Este documento tiene vigencia de un (1) año a partir de su emisión.

Sin nada más al particular, quedamos.

Mildred González-Valentín, BDA, MArch.
Subdirectora de Conservación
Programa de Patrimonio Histórico Edificado

MGV/mgv

Cc: Expediente Caso OGPe
Arqto. Héctor Balvanera Alfaro Director PPHE, ICP

Exhibit 17 b

AUTORIDAD DE CARRETERAS Y TRANSPORTACIÓN

Ref. C#5005-23-076

RECOMENDACIONES

19 de septiembre de 2024

Lcdo. Félix Rivera Torres
Secretario Auxiliar
Departamento de Desarrollo Económico y Comercio de PR
Oficina de Gerencia de Permisos
Apartado 41179
San Juan, PR 00940-1179

CASO NÚM.: 2023-480217-SRI-303468
PLAZA DE ARTES TEATRALES
(PR-CRP-00315)
CARRETERA PR-185 (CALLE AUTONOMÍA)
ESQUINA CALLE MUÑOZ RIVERA
BARRIO PUEBLO, CANÓVANAS
CASO NÚM.: 2**023-480217-SRI-066302**

Estimado licenciado Rivera Torres**:**

Hacemos referencia a los documentos recibidos digitalmente el 8 de agosto de 2024, en la Oficina de Control de Accesos de esta Autoridad, relacionados con este asunto.

Debido a que, en el Programa de Construcción de Mejoras Permanentes de Cinco Años, vigente, de esta Autoridad, no hay proyectos de carretera que afecten la propiedad mencionada en el asunto, **será condición "Sine Qua Non"** que se deberán cumplir con todos los comentarios, recomendaciones y requisitos indicados en nuestra carta de endoso del 13 de abril de 2023, los cuales continúan vigentes.

El proponente deberá radicar el plano corregido del proyecto y la certificación de conformidad de colindancia, si aplica, en la Oficina de Gerencia de Permisos para el permiso correspondiente de dicha Oficina.

Esta comunicación tiene vigencia de un año, no constituye una autorización para comenzar obra de construcción alguna, por lo que se deberán cumplir con los requisitos indicados en la misma, y aplica al proyecto "Plaza de Artes Teatrales", propuesto en el predio de terreno de referencia. Cualquier otro proyecto a desarrollarse en este predio de terreno, deberá ser sometido a la Oficina de Gerencia de Permisos para la evaluación y comentarios que apliquen.

Para cualquier aclaración o información adicional relacionada con este asunto, puede comunicarse con la Oficina de Control de Accesos de esta Autoridad al 787-721-8787, extensión 52805, haciendo referencia al número de control de esta carta. Las llamadas y visitas serán atendidas los días laborables de 8:30 a 11:00 de la mañana y de 1:00 a 2:30 de la tarde.

Cordialmente,



Lissette Lugo Colón, PE
Directora
Oficina de Ingeniería Confidencial

5005-JRZH-REH-grh
Ref. C#5005-23-076

Exhibit 17c

AUTORIDAD DE CARRETERAS Y TRANSPORTACIÓN
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CONTROL DE ACCESOS
AUTORIDAD DE CARRETERAS Y TRANSPORTACIÓN
DESDE 1965

VIGENCIA DE 1 AÑO

RECOMENDACIÓN DE INFRAESTRUCTURA
CASO NÚM.: 2023-480217-SRI-066302
CASO DE REFERENCIA: 5005-23-076
RECIBIDO: 8 DE MARZO DE 2023

NOMBRE DE PROYECTO
PLAZA DE ARTES TEATRALES
(PR-CRP-00315)

DESCRIPCIÓN Y LOCALIZACIÓN

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CARRETERA PR-185 (CALLE AUTONOMÍA)
ESQUINA CALLE MUÑOZ RIVERA
BARRIO PUEBLO, CANÓVANAS

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D□e□a□□r□□□□e□te□**MUNICIPIO DE CANÓVANAS/ARQ. JULIÁN MANRÍQUEZ BOTELLO**
□r□□e□t□ □ □□s□ste□**CONSTRUCCIÓN DE UN ANFITEATRO AL AIRE LIBRE DENTRO DE LOS LÍMITES DE UN PREDIO DE CALIFICACIÓN DOTACIONAL CON UNA CABIDA DE 529.833 METROS CIUADRADOS.**

REQUISITOS Y COMENTARIOS

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□□□De re□□er□se la □stala□□□□ de □□raestr□□t□ra □□e□a □tales □□□ □□t□□er□a de a□□a □□ta□le□ sa□tar□a□ □a□le T□□et□□□ de□tr□ de la ser□d□□ □re de □as□ e□ste□te de la □arretera □R□□□□□, éstas deberán cumplir con la "Política de Acomodo de Utilidades dentro del R□□ de Carreteras", de esta Autoridad y las normas de seguridad de la "American Association Of State Highway and Transportation Officials" (AASHTO). Se de□er□□ s□□eter l□s □la□□s □□l□□e□d□ la □□e□a □□raestr□□t□ra □r□□□esta □ara la e□al□a□□□□ □□rres□□□de□te□s□a□□a□

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El incumplimiento de cualquiera de estos requisitos y comentarios o información falsa ilustrada en los planos sometidos será razón suficiente para la revocación del endoso concedido.

DETERMINACIÓN

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ENGINEERING & ASSET MANAGEMENT
DISTRIBUTION ENGINEERING REPORT

Document No: 4375.026

Version: 3

martes, 15 de octubre de 2024

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

Estimado señor Ramos:

OGPe:	2023-480217-SRI-307813
LUMA:	23-1-0342-R1
Carga:	48 KVA
Proyecto:	PR-CRP-00315 Plaza de Artes Teatrales
Dirección:	Carr. 185 (Calle Autonomía) Esq. Muñoz Rivera
Municipio:	Canóvanas, P.R.

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

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

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

El diseñador deberá leer y entender este informe; de haber dudas relacionadas al mismo, debe aclararlas con el Ingeniero Supervisor de la Región de San Juan.

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

1. El Proyecto está localizado en:
   Número de Catastro: 089-086-017-08
   Centroide del proyecto:
   Coordenadas proyección en metros +Este +Norte (256,194.708, 260,444.879).
   Coordenadas Geográficas Latitud y Longitud (18.378711, -65.901570)
2. El Punto de Conexión está localizado en:
   Coordenadas proyección en metros +Este +Norte (256,180.618, 260,420.709).
   Coordenadas Geográficas Latitud y Longitud (18.378493, -65.901704)
   LUMA/PREPA FID 10671595.
3. El Punto de Conexión 10 indicado en el croquis se denomina como “Punto de Entrega”. No se transferirá a LUMA la infraestructura eléctrica desde ese punto. El servicio que se deriva del mismo es considerado como exclusivo y privado, por lo que el mantenimiento, reparación y reemplazo del sistema es responsabilidad del Dueño.
4. Deberá presentar plano de diseño para endoso y la Certificación de Planos de Construcción Eléctrica para la distribución eléctrica correspondiente, acompañados por la Estampilla Digital Especial, y firmados digitalmente. Estos deberán ser radicados mediante el Portal Único de Negocios (SBP por sus siglas en inglés) de la Oficina de Gerencia de Permisos (OGPe). (Ver Comunicado Técnico 18-01 y 17-01); y deberán cumplir con los siguientes reglamentos, directrices, comunicados e información técnica específica que se presenta a continuación:

a. Asegurarse que el diseño propuesto cumpla con el "Reglamento conjunto para la evaluación y expedición de permisos relacionados al desarrollo, uso de terrenos y operación de negocios" del 7 de junio de 2019, los NUEVOS patrones de Construcción de LUMA y los siguientes Comunicados Técnicos AEE:
   i. 07-02 "Pruebas a cables soterrados nuevos y sus accesorios en proyectos privados" del 29 de junio de 2007.
   ii. 12-01: Política Pública para la Construcción de Sistemas Eléctricos.
   iii. Los Criterios de Diseño para Sistemas Eléctricos Aéreos de Transmisión y Distribución deben ser tomando en consideración una velocidad probable de viento de 160 mph.
   iv. 13-03: Bases de Hormigón para Postes de Líneas Eléctricas.
   v. 14-03: Equipos con Aislación en Goma de Silicón.
   vi. 15-02: Postes para Sistemas de Distribución Eléctrica Primaria.
   vii. 15-03: Revisión de Parámetros para Transformadores según Reglamentación del Departamento de Energía Federal (DOE).

b. Los sistemas de alumbrado a construirse deberán cumplir con los siguientes Comunicados de la AEE:
   i. 07-01: Sistemas de Alumbrado.
   ii. 16-03: Proyectos de Construcción con Sistemas de Alumbrado Público; esta consulta la podrá realizar a través del correo electrónico: energia@ddec.pr.gov
   iii. 16-04: Instalación de Luminarias Tipo Diodo Emisor de Luz (LED).

c. En el sector existen líneas eléctricas aéreas trifásica con 4 conductores calibre número 266 ACSR a un voltaje de 8.32 kV.

d. El voltaje de alimentación para el Proyecto será de 120/240 V. Se servirá del alimentador 2401-02.

e. El diseño podrá ser un sistema aéreo o soterrado

f. Será responsabilidad del diseñador del Proyecto indicar la localización exacta de este, ilustrar las líneas eléctricas existentes y de ser necesario, coordinar la reubicación de líneas eléctricas.

g. Deberá incluir en los planos de diseño las coordenadas Lambert correspondientes a la ubicación del Proyecto, en versión del North American Datum (NAD 83) y la unidad de medidas en metros [Refiérase al inciso 1 de este informe]; estas coordenadas deberán aparecer impresas en el plano de localización a ser radicado para revisión y eventual endoso, en una escala de 1:10,000 o 1:20,000. Incluir planos en formato .DWG o .DXF, **el mismo deberá estar georreferenciado**.

h. Esta evaluación del Punto de Conexión no constituye una revisión del plano de diseño. El diseñador es responsable de cumplir con los códigos, reglamentos, manuales, estándares y normas aplicables vigentes para los sistemas eléctricos en Puerto Rico. Además, deberá cumplir con los reglamentos de ordenación de la infraestructura en el espacio público (Reglamento de Planificación Número 22), según exige la Oficina de Gerencia de Permisos (OGPe). Los sistemas de distribución y transmisión a desarrollarse en estas zonas deberán seguir las guías establecidas por este reglamento. Incluir nota al efecto en los planos de diseño.

i. El dueño del proyecto o su representante deberá notificarle a la Oficina de Ingeniería de Distribución de la Región San Juan, InspeccionesSanJuan@lumapr.com, el comienzo de la obra posterior al endoso de los planos y previo al inicio de los trabajos eléctricos del proyecto para la requerida inspección, aprobación y coordinación necesaria. Incluir nota al efecto en los planos de diseño.

5. Para servir el Proyecto, el proponente será responsable de lo siguiente. Incluir notas al efecto en los planos de diseño:
   a. Construir las facilidades eléctricas entiéndase base de contador y otros. Debe cumplir con el Reglamento Complementario al Código Eléctrico nacional, Sección IV. Articulo B, C y D en su totalidad, "toma de Servicio Aérea" y Toma de Servicio Soterrada"
   b. Obtener y gestionar todos los endosos de las agencias reguladoras pertinentes tales como:

i. Departamento de Recursos Naturales y Ambientales (DRNA) - Declaración de Impacto Ambiental (DIA),
ii. Instituto de Cultura Puertorriqueña - División de Permisos Arqueológicos,
iii. Cuerpo de Ingenieros de Estados Unidos,
iv. Departamento de Transportación y Obras Públicas Estatal o Municipal,
v. Junta de Planificación,
vi. Oficina de Gerencia y Permisos (OGPe),
vii. Otras agencias gubernamentales, federales y privadas requeridos para el desarrollo del proyecto.

6. Para servir el Proyecto, LUMA realizará los siguientes trabajos con cargos al dueño. Incluir notas al efecto en los planos de diseño:
   a. Reemplazará el poste existente de madera 45 FT Clase C por un poste de metal galvanizado 40 FT Clase S3 en el Punto de Conexión.
   b. Realizará todos los trabajos en el punto de conexión y donde estén las líneas energizadas.
   c. Una vez endosado el plano de diseño, para conocer el costo por concepto de los trabajos a ser realizados por LUMA especificados en este informe, LUMA (Departamento de Ingeniería de Distribución) le estará emitiendo al proponente un estimado preliminar para propósito informativo; **este no será para propósito de pago**. En su momento, en la reunión de pre-construcción deberá formalizar la solicitud del estimado oficial. Una vez recibido el estimado oficial podrá realizar el pago de la cotización y notificar a este Departamento de Ingeniería de Distribución con tres meses de anticipación de los trabajos estimados para el proyecto y dentro de la vigencia de la cotización (90 días).
7. El Proyecto debe cumplir con el Reglamento Complementario al Código Eléctrico Nacional, Sección IV. Artículo C y D en su totalidad, “Toma de Servicio Aérea” y “Toma de Servicio Soterrada”.

   Se permitirá como punto de entrega una columna de hormigón conteniendo el contador (véase Manual de Normas de Distribución Urbana). La columna estará ubicada dentro del terreno del solicitante en la colindancia frontal (*no mayor de 3 pies*) y podrá formar parte de la verja si ésta cumple con las disposiciones del Manual de Normas de Distribución Urbana. El frente del contador deberá quedar en dirección a la calle. La columna deberá cumplir con los despejos mínimos requeridos por el Código Eléctrico Nacional de Seguridad.

   Para tomas aéreas, la toma no excederá de un largo de cincuenta (50) pies desde el poste al soporte de la Columna.
8. Incluimos como parte de esta evaluación, un croquis con información gráfica sobre facilidades eléctricas.
9. Cualquier duda sobre esta evaluación y su contenido, puede comunicarse a nuestra oficina al correo electrónico ingenieria.distribucionSanJuan@lumapr.com y al número telefónico (787) 521-6443.
10. Esta evaluación caduca al año (1 año) de la fecha de emisión. Esta cancela y sustituye la emitida el 31 de mayo de 2023 o cualquier otra realizada previamente.

Cordialmente,

_____

Ing. Vanessa Rivera Guilloty
Ingeniera II
Ingeniería de Distribución Región San Juan



Figure 2

COPIA CLIENTE

PR-CRP-00315 Plaza de Artes Teatrales
Carr. 185 (Calle Autonomía) Esq. Muñoz Rivera
Canóvanas, P.R.

LUMA #: **23-1-0342-R1**

Carga: **48 KVA**

Región San Juan
Ingeniería de Distribución
Por: Odalys Febres Ocasio

Exhibit 17e

GOBIERNO DE PUERTO RICO
Departamento de Desarrollo Económico y Comercio
Oficina de Gerencia de Permisos

Número de Caso:
2023-480217-SRI-303424

Recomendaciones

PR-CRP-00315 Plaza de Artes Teatrales

Datos de Localización

De acuerdo a la información suministrada se propone una actividad: Público con Contratación Privada en:

Dirección Física

CALLE AUTONOMIA ESQ. MUÑOZ RIVERA, CANOVANAS, PUERTO RICO, 00729
Canóvanas Puerto Rico, 00729

Dueño

Gobierno Municipal de Canóvanas

Cabida

Cabida según escritura: 503.54 metros cuadrados

Número(s) de Catastro

089-086-017-08

Calificación

Distrito(s) de Calificación: D

Distrito en el Mapa de Inundabilidad: X

Tipo de Suelo: SNS

Casos de Referencia

NETPR 2023-RI-0195

Infraestructura

NETPR 2023-RI-0195 (OGPE 2023-480217-SRI-303424)_El Negociado de Telecomunicaciones (NET), certificó Aprobación Final de Planos de Construcción al expediente digital con fecha de 1 de agosto de 2024, bajo el código de NETPR 2023-RI-0195 (OGPE 2023-480217-SRI-303424). Cuando la obra esté parcial o totalmente construida, presentará una Solicitud de Inspección, para la Certificación de Obras Construidas (COC). La COC es un requisito mandatorio, para solicitar el Permiso de Uso. La COC debe tramitarse ante el NET, pero a través de la OGPe. Asimismo, la COC será requerida antes de la otorgación de la Escritura para la Constitución de Servidumbre. La Escritura para la Constitución de Servidumbre, se otorgará previo a la aprobación del plano de inscripción del proyecto, por la OGPe. De ser necesaria una Relocalización de Planta, se exige el estricto cumplimiento con la sección 3.09 del Reglamento 7393, revisado. El NET ejercerá la autoridad delegada, evaluará cada fase inconclusa del proceso de permisos, y cuando sea necesario, solicitará información adicional. El NET auditará el cumplimiento de todo requisito aplicable a la otorgación de autorizaciones con la facultad disponible para iniciar procedimientos administrativos. En el descargue de los deberes delegados, el NET pasará juicio en torno a la veracidad de los hechos que surjan de los expedientes administrativos; y, a solicitud de parte, con la previa inspección, aceptará o señalará desviaciones a corregirse. Se notificarán las acciones administrativas que correspondan, de acuerdo con la etapa del Proyecto en referencia.

Condiciones Especiales

NINGUNA

Recomendaciones

PR-CRP-00315 Plaza de Artes Teatrales

Condiciones Generales

Esta recomendación es solamente aplicable a la situación de hechos y los datos según presentados y evaluados en el caso. La OGPe se reserva el derecho de reevaluar, variar o modificar el mismo en cualquier momento anterior a la emisión del permiso o la acción administrativa correspondiente por parte de la agencia solicitante o proponente cuando surja nueva información oficial específica estableciendo que el derecho aplicable o las condiciones ambientales en el predio han cambiado sustancialmente, o cuando la recomendación original se emitió bajo premisas falsas o fraudulentas.

Las vigencias de las diferentes agencias del proceso de recomendación serán las establecidas en los comunicados que estas emiten conforme a sus reglamentos.

Firma / Sellos

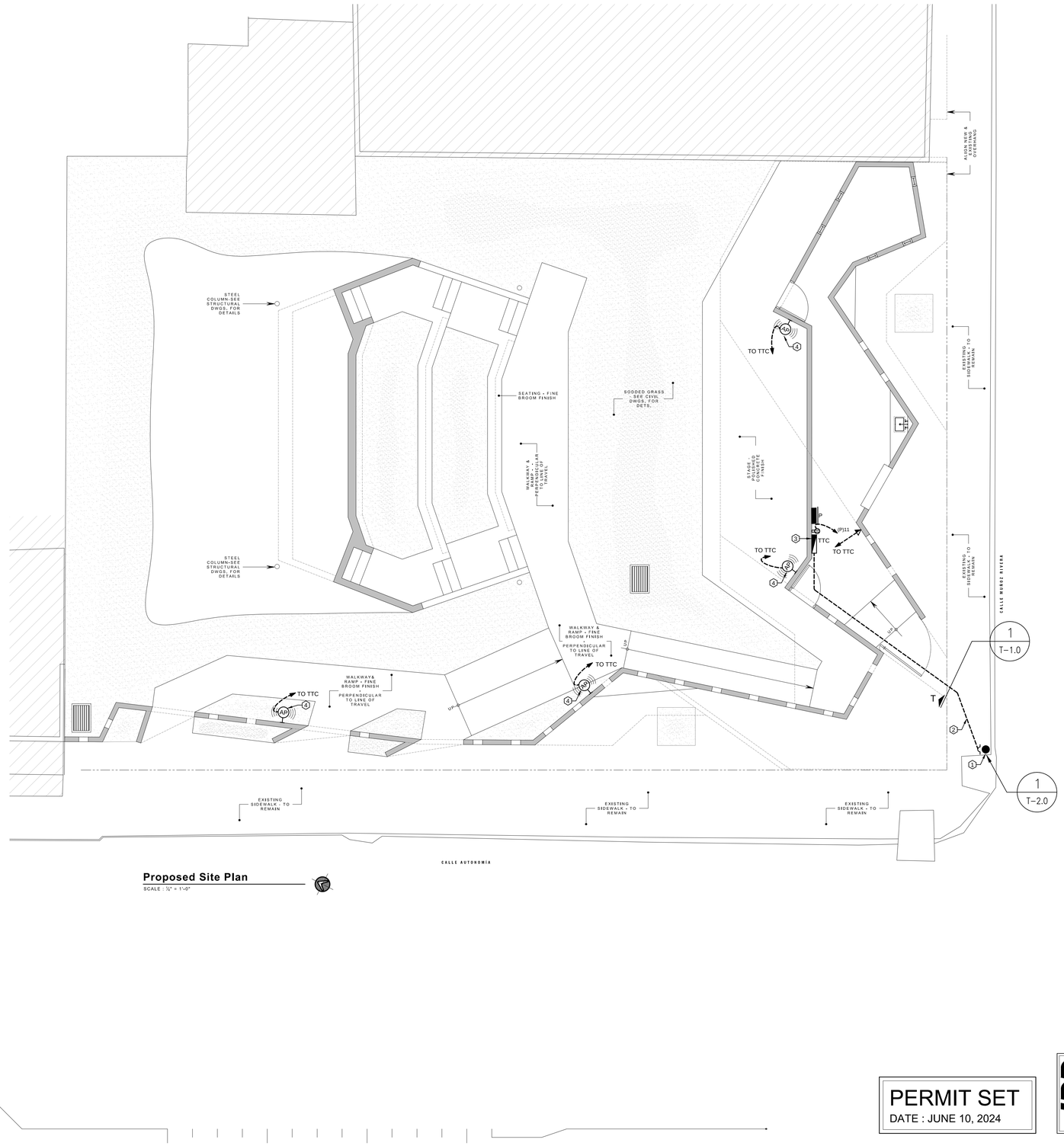
Fecha de Expedición:

01/AUG/2024

Lcdo. Félix E. Rivera Torres
Secretario Auxiliar
Departamento de Desarrollo Económico y Comercio de Puerto Rico
Oficina de Gerencia de Permisos

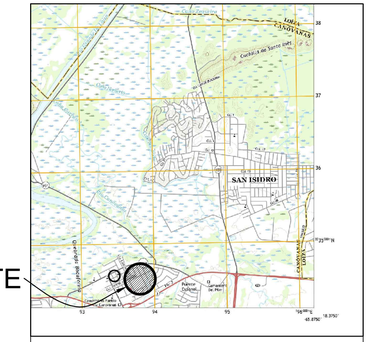
Lcdo. Félix E. Rivera Torres

Secretario Auxiliar de la OGPe



Proposed Site Plan

SCALE : 3/64" = 1'-0"



LOCATION PLAN

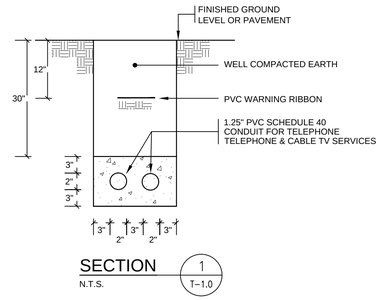
SCALE: 1=20,000

LAMBERT COORDINATES

X: 256,194.708 Y: 260,444.879

KEYED NOTES:

1. EXISTING TELECOMMUNICATIONS WOOD POLE TO BE REPLACED WITH NEW 40FT WOOD POLE. INSTALL NEW TELECOMMUNICATION RISER (2)-1.25" PVC SCH. 40 CONDUITS.
2. UNDERGROUND TELECOMMUNICATION CONDUIT RUN CONSISTING OF: (2)-1.25" PVC SCH. 40 CONDUITS.
3. NEW TELECOM TERMINAL CABINET 3/4" x 4' x 8' PLYWOOD PANEL.
4. 4-INCH SQUARE BOX WITH WI-FI ANTENNA.
5. ▽4-INCH SQUARE BOX FOR DATA/TELEPHONE OUTLET.



SECTION

N.T.S.

1 T-1.0

Notes:

1.0 Do not scale dimensions from drawings. Dimensions govern.

2.0 All dimensions are in feet and inches, unless noted otherwise.

3.0 The contractor shall check all dimensions, levels and angles on site prior to commencing any work.

4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.

5.0 This plan was prepared based on information obtained & provided by the owner.

REV. #	DATE	ISSUING REASON
1	05.ix.17	Explanation

PROFESSIONAL SEAL

CERTIFICATION - COPYRIGHT - TRADE NAME

h.formation studio
landscape . architecture . product
777 Ave. San Cristobal, Suite 32, Parc 831
• Suite 221 Carolina, PR. 00979 — Oficina
Tel: +1 (787) 338-6020 e-mail
info@hformationstudio.com

PROJECT TILE & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

OWNER/CLIENT

DRAWING TITLE

TELECOM SITE PLAN

CLIENT: Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT NO. xx-xx

PRINT BY: Advanced Print - 90%

SHEET # 9

DRAWN BY krs

DATE 16.xii.2022

DESCRIPTION

T-1.0

NET NEGOCIADO de TELECOMUNICACIONES DE PUERTO RICO

Negociado de Telecomunicaciones de Puerto Rico

ENDOSO DE PLANOS DE FACILIDADES Y/O SERVIDUMBRE DE TELECOMUNICACIONES Y TELEVISIÓN POR CABLE

NÚMERO DE CASO NETPR: 2023-RI-0195

NÚMERO DE CASO OGPE: 2023-480217-SRI-303424

Revisado por: _____ Fecha _____

Aprobado por: _____ Fecha _____

ESTE ENDOSO NO EXIME AL CONSTRUCTOR Y AL DESAROLLADOR DE CUMPLIR CON LOS REQUERIMIENTOS DE CONSTRUCCION CONFORME A TODAS LAS DISPOSICIONES DE LOS REGLAMENTOS APLICABLES.

PERMIT SET

DATE : JUNE 10, 2024

JRR JAIME RIVERA & ASSOCIATES P.S.C. ENGINEERS & LAND SURVEYORS

designed: A.LAZARO lic.: 11483

draftman: C.SANTIAGO lic.: 0388

This drawing is not authorized to be released for contract until fully approved by Architect, Owner and all corresponding Government Agencies including P.R.E.P.A. and Telephone Company.

GENERAL NOTES:

1-THE DEVELOPER OR HIS REPRESENTATIVES SHALL SUPPLY AND INSTALL ALL MATERIALS REQUIRED FOR THE TELECOMMUNICATIONS INFRASTRUCTURE INCLUDING BUT NOT LIMITED TO THE 1", 2" AND 4" DIAMETER CONDUITS SHOWN ON THE PRINTS.

2-THE 1"Ø CONDUITS SHALL BE PVC SCH. 40 RODDED WITH 1/8" Ø NYLON ROPE.

3-THE 2" Ø PVC CONDUIT (FOR CATV DISTRIBUTION OF FACILITIES) AND THE 4"Ø (FOR TELEPHONE DISTRIBUTION FACILITIES) SHALL BE INSTALLED IN THE TELECOMMUNICATIONS EASEMENT. THE 2"Ø CONDUITS SHALL BE INSTALLED ON THE SIDEWALK SIDE OF THE TRENCH AND THE 4"Ø ON THE FARTHERMOST SIDE OF THE TRENCH FROM THE SIDEWALK (SEE EASEMENT CONDUIT INSTALLATION DETAIL)

4-THE 2"Ø AND 4"Ø CONDUITS SHALL BE SHC. 40 (MINIMUM) RODDED WITH ½"Ø NYLON ROPE WITH A MINIMUM BREAKING STRENGTH OF 500 LBS. AND SHALL BE TESTED WITH 1-3/5" AND 3-5/8" MANDRELS RESPECTIVELY.

5-ALL CONDUIT ENDS SHALL BE CAPPED WITH PVC END CAPS.

6-THE MINIMUM DEPTH OF THE CONDUITS PLACED ALONG THE EASEMENT AND SERVICE CONDUITS TO EACH RESIDENCE SHALL BE:

a. 1"Ø CONDUITS 14" BELOW GROUND LEVEL
b. 2"Ø CONDUITS 24" BELOW GROUND LEVEL
C. 4"Ø CONDUITS 24" BELOW GROUND LEVEL

7-IN CONDUITS ARE INSTALLED ON CONCRETE PLASTIC SPACERS SHALL BE INSTALLED EVERY SIX FEET (6') OR AS SPECIFIED BY THE MANUFACTURER IN ORDER TO MAINTAIN THE PROPER CONDUIT FORMATION AND SEPARATION..

8-WHEN EXPOSED TO VEHICULAR TRAFFIC (HIGHWAY STREET AND CARPORT CROSSINGS) CONDUITS SHALL BE INSTALLED AT A DEPTH BETWEEN 30" AND 36" MEASURED FROM THE SURFACE OF THE PAVEMENT AND SHALL BE ENCASED IN CONCRETE WITH A MINIMUM RESISTANCE OF 3000 LBS. PER SQUARE INCH (3000 PSI).

9-TRENCH BACKFILLING SHALL BE PERFORMED WITH SELECTED MATERIALS FREE OF LARGE STONES AND OTHER CONTAMINANTS SUCH AS SCRAPS OF WOOD, ASFALT, CONCRETE PAVEMEM ETC. BACKFILL SHALL BE COMPACTED TO 95% IN 6" LAYERS BY MEANS OF A TAMPER, WITH THE FIRST (12") INCHES TAMPED USING LIGHTWEIGHT EQUIPMENT.

10-A SIX INCH WIDE ORANGE WARNING RIBBON (EQUAL OR SIMILAR TO TERRA TAPE 42-007) SHALL BE INSTALLED AT A DEPTH OF TWELVE INCHES 12" BELOW GROUND LEVEL ABOVE THE CONDUITS AND ALONG THE WHOLE CONDUIT ROUTE.

11-THE DEVELOPER OR HIS REPRESENTATIVES SHALL CLEARLY IDENTIFY ALL CONDUIT ENDS (INCLUDING BUT NOT LIMITED TO DISTRIBUTION POINTS, SERVICE CONDUITS) WHEN SPLICING OR DISTRIBUTION BOXES HAS NOT BEEN SPECIFIED OR RECOMMENDED. SEE WOOD STAKE DETAIL.

12-THE 2"Ø AND 4"Ø CONDUITS BENDS SHALL NOT BE LESS THAN 90° AND SHALL HAVE A MINIMUM RADIUS OF 36". ALL CONDUITS SHALL BE LIMITED TO TWO 90° SWEEPING BENDS IN A CONDUIT SECTION.

13-GENERALLY 3' X 3' X 3' AND 4' X 4' X 4' DISTRIBUTION BOXES AS WELL AS 6' X 4' X 4' AND 7' X 4'-6" X 4' SPLICE BOXES SHALL BE PLACED FOR TELECOMMUNICATIONS SERVICES (TELEPHONE FACILITIES) AS INDICATED ON PRINTS.
THESE BOXES WILL NOT BE LOCATED IN AREAS NOT EXPOSED TO VEHICULAR TRAFFIC AND SHOULD BE DESIGNED TO RESIST INCIDENTAL TRAFFIC. IF BOXES WILL BE EXPOSED TO VEHICULAR TRAFFIC A MANHOLE OR SPECIAL BOX DESIGNED FOR THAT APPLICATION SHOULD DE INSTALLED WITH THE CAPACITY TO AVOID ANY DEFORMATION OR COLLAPSE OF ITS ENTRANCE COVER, SIMILAR OR EQUAL TO POWER POLES MHEX6X7.

14-DISTRIBUTION BOXES SHALL BE PLACED IN EASEMENT LOCATED TWO FEET FROM THE PROPERTY LINE IN BETWEEN LOTS WITHOUT INTERFERING WITH ANY ENTRANCE (CARPORT OR SIDEWALK).

15-DISTRIBUTION BOXES AND SPLICE BOXES SHALL BE:

a. PREFABRICATED WITH STEEL REINFORCED CONCRETE (EQUAL OR SIMILAR TO POWER POLE INC.)
b. CAST IN PLACE WITH STEEL REINFORCED CONCRETE
C. PREFRABRICATED WITH POLYMER CONCRETE (EQUAL OR SIMILAR TO QUAZITE) 17"X30"X18" (MAXIMUM SIZE ALLOWED) ONLY WILL BE ACCEPTED FOR CABLE TV APPLICATION IN AREAS WITH SPACE PROBLEMS.

NOTE: ANY CHANGE IN THE TYPE OF BOXES TO BE USED WILL REQUIRE THE APPROVAL OF NET BEFORE THEIR INSTALLATION.

16-ALL CONDUITS, WHETHER OR NOT IN USE, SHALL BE SEALED IN DISTRIBUTION BOXES, SPLICE BOXES, AND BUILDINGS TELECOMMUNICATIONS CABINET USING A DUCT SEALER (EQUAL OR SIMILAT TO 3M 4414 DICT SEALING KIT).

17-2"Ø CONDUITS FOR CABLE TELEVISION (CATV) DISTRIBUTION FACILITIES IN RESIDENTIAL PROYECTS, OF SINGLE FAMILY UNIT HOMES, ROW HOUSES, PATIO HOUSES ETC., SHALL NOT BE TERMINATED AT TELECOMMUNICATIONS DISTRIBUTION BOXES. THESE CONDUITS, AS WELL AS 1"Ø CONDUITS FOR CATV SERVICE DROPS, SHALL BE END CAPPED LEFT AT CATV DISTRIBUTION POINT LOCATED IN THE PLANTING STRIP GENERALLY NEXT TO LIGHT POSTS) AS INDICATED ON PRINTS.

18-THE EXTERIOR METALLIC BOXES (4"X 4" X 2-1/8" MINIMUM), FOR TELECOMMUNICATIONS SERVICE DROPS (TELEPHONE AND CATV), SHALL BE INSTALLED ON ONE OF THE LIVING UNITS WALLS CONVENIENTLY LOCATED SO AS TO PROVIDE EASY UNOBSTRUCTED ACCESS,

19-THE CONDUIT, THROUGH WITH THE GROUND WIRE FOR THE EXTERIOR SERVICE DROP METALLIC BOXES SHALL BE INSTALLED, SHALL COME OUT THE LIVING UNIT WALL AT A DEPTH OF SIX INCHES BELOW GROUND LEVEL.

20-THE TELECOMMUNICATIONS SERVICE DROPS ELECTRICAL GROUNDING WILL BE ACHIEVED WITH THE 8' X 5/8" COPPERWELD GROUND RODS INSTALLED BY THE TELECOMMUNICATIONS SERVICE PROVIDER AND MUST COMPLY WITH THE CURRENT NATIONAL ELECTRICAL CODE..

21-ALL TELECOMMUNICATIONS SYSTEMS (TELEPHONE AND CATV) SHALL BE BONDED AND GROUNDED AT ALL POINTS. AND MUST COMPLY WITH THE CURRENT NATIONAL ELECTRICAL CODE..

22-NO MORE THAN TWO 90° BENDS SHALL BE ALLOWED IN THE CONDUITS CONNECTING THE EXTERIOR SERVICE DROP METALLIC BOXES AND THE INTERIOR SERVICE BOXES.

23-THE INTERIOR RESIDENTIAL TELECOMMUNICATIONS SERVICE DISTRIBUTION CONDUITS SHALL HAVE A MINIMUM 3/4" INSIDE DIAMETER AND EACH LIVING UNIT SHALL BE PROVIDED WITH TELECOMMUNICATIONS SERVICES (TELEPHONE AND CATV) OUTLETS IN THE KITCHEN, LIVING ROOM AND EACH OF THE BEDROOMS.

24-AT WALK-UPS AND MULTI-STORY RESIDENTIAL BUILDINGS, THE MINIMUM SIZE FOR TELECOMMUNICATIONS CABINETS (TELEPHONE AND CATV) SHALL BE 36"X24"X6" FOR (TELEPHONE) AND 36"X36"X8" FOR (CATV) AND SHALL SERVE NO MORE THAN 16 UNITS.
THE CABINET SHALL BE EQUIPED WITH A 3/4" THICK PLYWOOD BACKBOARD, A HINGED DOOR WITH LATCH AND KEY, AND SHALL HAVE COMPLETE FRONTAL ACCESS. THE CABINETS SHALL ALSO PROVIDE FOR THE PROPER BONDING AND GROUNDING OF THE TELECOMMUNICATIONS FACILITIES AND MUST COMPLY WITH THE CURRENT NATIONAL ELECTRIC CODE.

25-WALK-UP PROJECTS SHALL HAVE INDEPENDENT TELECOMMUNICATIONS CABINETS FOR TELEPHONE AND CATV SERVICES.
THE TELEPHONE CABINETS SHALL BE CONNECTED TO THE NEAREST SPLICING BOX BY MEANS OF 2-2"Ø PVC CONDUITS. THE CABLE TV CABINET WILL BE CONNECTED TO THE NEAREST SPLICING BOX OR THE NEAREST CABLE TV CABINET (IN THE NEXT BUILDING) DEPENDING ON THE LOOP DESIGN SPECIFIED ON THE DRAWINGS BY MEANS OF 2-2" PVC CONDUITS.
THE MINIMUM SIZE OF THE SLPICING BOX SHALL BE 7'X4'-6"X4' AND MAY BE JOINTLY USED FOR TELEPHONE AND CATV SERVICES.

26-RESIDENTIAL BUILDINGS (MULTI-STORY APARTMENT BUILDINGS OTHER THAN WALK-UPS, HIGH-RISE CONDOMINIUMS, ETC.) SHALL HAVE INDEPENDENT MAIN DISTRIBUTION CABINETS FOR TELEPHONE AND CATV SERVICES. THE MAIN DISTRIBUTION CABINETS, GENERALLY CONSISTING OF AN 8'X4'X3/4" FIRE-RETARDANT PLYWOOD PANEL OR AN 8'X4'X3/4" TREATED PLYWOOD PANEL PAINTED WITH TWO COATS OF FIRE RETARDANT PAINT, WILL BE PLACED IN TELECOMMUNICATIONS' CLOSET OR ROOM. THE MAIN DISTRIBUTION PANELS FOR TELEPHONE AND CATV SERVICES SHALL BE CONNECTED VERTICALLY TO OTHERS DISTRIBUTION CABINETS (EACH SERVING A MAXIMUM OF A 16 UNITS) BY MEANS OF 2-4"Ø AND 2-2"Ø PVC CONDUITS RESPECTIVELY.

27-EACH CABINET OR PANEL SHALL ALSO PROVIDE FOR THE PROPER BONDING AND GROUNDING OF THE TELECOMMUNICATIONS FACILITIES WITH A GROUND BAR, GROUND WIRE AND CONNECTED TO A 8'X5/8" COPPER WELD GROUND ROD SYSTEM AND MUST COMPLY WITH THE CURRENT NATIONAL ELECTRIC CODE. THIS WILL BE A DEVELOPER RESPONSIBILITY.

28-ALL APARTMENT SHALL BE CONNECTED TO EACH OF THEIR CORRESPONDING DISTRIBUTION CABINETS (TELEPHONE AND CATV) BY MEANS OF 1-1"Ø CONDUIT.

29-ENTRANCE FACILITIES FOR RESIDENTIAL BUILDINGS SHALL CONSISTING OF A MINIMUM OF 2-4"Ø FOR TELEPHONE SERVICE AND 2-2"Ø PVC CONDUITS FOR CATV SERVICE. THESE CONDUITS SHALL CONNECT THE MAIN DISTRIBUTION CABINETS AND THE DESIGNATED BUILDING TELECOMMUNICATIONS POINT OF CONNECTION. WHEN A BUILDING'S TELECOMMUNICATIONS POINT OF CONNECTION IS A SPLICE BOX IT SHALL HAVE A MINIMUM SIZE OF 7'X4'-6"X4' AND MAY BE JOINTLY USED FOR TELEPHONE AND CATV SERVICES.

SPECIAL NOTES

30-THE DEVELOPER IN COMPLIANCE WITH THE PUERTO RICO PLANNING BOARD'S "REGLAMENTO DE CONJUNTO PARA LA EVALUACION Y EXPEDICION DE PERMISOS AL DESARROLLO Y USO DE TERRENOS, REVISADO" SHALL TRANSFER TO THE TELECOMMUNICATIONS BUREAU OF PUERTO RICO (NET) THE RIGHTOF WAY DEPICTED ON THESE DRAWINGS REQUIRED TO PROVIDE TELECOMMUNICATIONS SERVICES (TELEPHONE AND CATV) TO THIS PROJECT BY MEANS OF A PUBLIC DEED..

31-THE NET MAY ISSUE PARTIAL ENDORSEMENTS FOR SINGLE FAMILY RESIDENTIAL PROJECTS (SINGLE FAMILY HOUSES, ROW HOUSES, TOWNHOUSES, PATIO HOUSES, ETC.) SO THAT THE DEVELOPER CAN DELIVER PORTIONS OF THE PROJECT AS THEY ARE COMPLETED. ONCE THE PROJECT IS COMPLETED, THE DEVELOPER SHALL COMPLY WITH THE PROCEDURE SPECIFIED IN SECTION 5.02.6 OF THE NET'S "REGLAMENTO PARA ENDOSOS DE SERVIDUMBRES E INFRAESTRUCTURA" RELATED TO OBTAIN FINAL ENDORSEMANTS.

32-THE DEVELOPER SHALL ALLOW TELECOMMUNICATIONS SERVICE PROVIDERS (TELEPHONE AND CATV), DULY AUTHORIZED BY THE NET TO PROVIDE SAID SERVICES, TO INSTALL THEIR DISTRIBUTION FACILITIES IN A COORDINATED AND ORDERLY MANNER IN THOSE PORTIONS OF THE PROJECT FOR WHICH A PARTTIAL ENDORSEMENT HAS BEEN ISSUED.

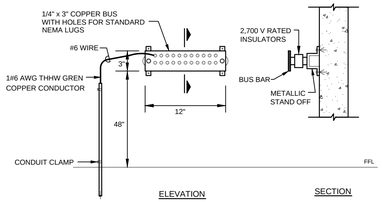
33-THE DEVELOPER SHALL COORDINATE WITH TELECOMMUNICATIONS SERVICE PROVIDERS (TELEPHONE AND CATV) AND PUERTO RICO ELECTRICAL POWER AUTHORITY (PREPA) THE INSTALLATION OF RISERS, THE CONNECTION OF CONDUITS OR THE ACCESS TO THEIR FACILITIES.

34-THE DEVELOPER SHALL COORDINATE WITH TELECOMMUNICATIONS SERVICE PROVIDERS (TELEPHONE AND CATV) AND WITH ANY OTHER PUBLIC OR PRIVATE ORGANIZATION WHOSE FACILITIES AFFECT THE CONSTRUCTION OF THE PROJECT, THE REMOVALS, RELOCATION AND/OR MODIFICATIONS OF ANY EXISTING INFRASTRUCTURE.

35-THE DEVELOPER SHALL ASSIGN AN ENGINEER OR ARCHITECT TO INSPECT AND CERTIFY THAT HE CONTRUCTION JOBS WERE PERFORMED AND COMPLETED AS THE ENDORSED DRAWINGS BY THE NET, FOR THAT PROCESS WILL USED FORM NETPR F-102 AND SUBMIT TO NET AND OBTAIN THEIR APPROVAL BEFORE APPLY FOR THE PERMIT OF USE AT "OFICINADE GERENCIA DE PERMISOS (OGPE)".

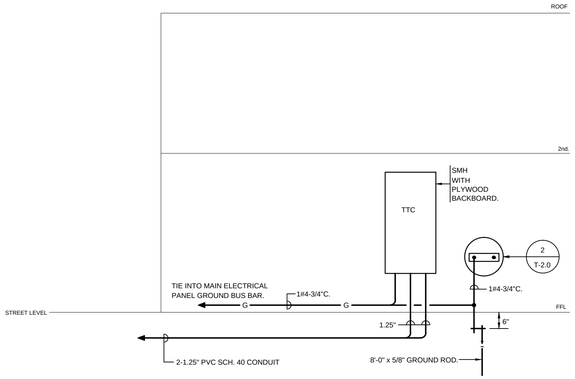
36-COMMERCIAL BUILDINGS WILL REQUIRE TWO (2) MAINDISTRIBUTION CABINETS OR PANELS FOR TELEPHONE AND CATV SERVICES, RESPECTIVELY.
A TELECOMMUNICATION ROOM OR AREA WILL DE DESIGNATED TO PLACE THEM, AND THEY MUST COMPLY WITH ONE OF THE SPECIFICATION DESCRIBED BELOW:

a. TREATED WOOD PANEL 4'X8'X3/4" (DOUBLE COATED WITH WHITE FIRE-RETARDANT PAINT).
b. TELEPHONE METAL CABINET 36"X24"X6" (MIN) AND CATV 36"X30"X6". BOTH CABINET SHALL BE EQUIPPED WITH A 3/4" THICK TREATED PLYWOOD BACKBOARD, A HINGED DOOR WITH LATCH AND KEY, AND SHALL HAVE COMPLETE FRONTAL ACCESS.

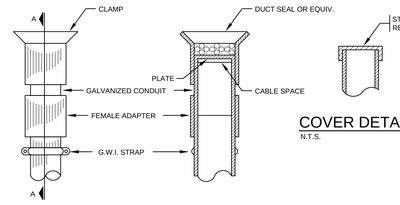


TEL. & DATA ROOMS GROUND BAR
N.T.S.

2 T-2.0

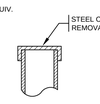


TELECOMMUNICATIONS RISER DIAGRAM
N.T.S.

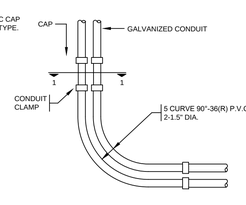


FROM VIEW
N.T.S.

SECTION A-A
N.T.S.

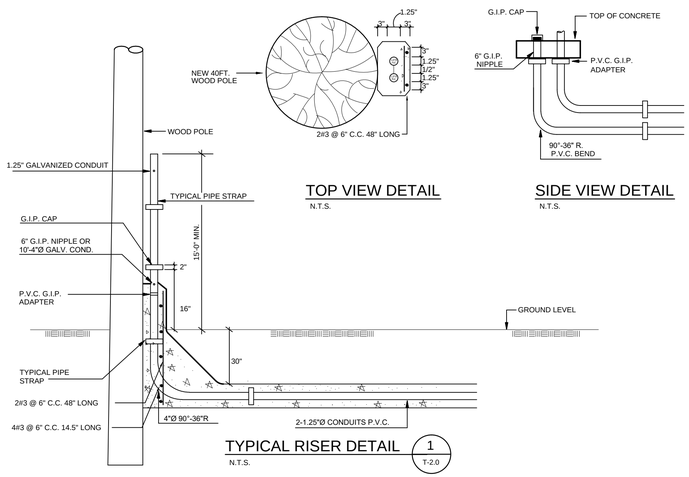


COVER DETAIL
N.T.S.



SIDE VIEW DETAIL
N.T.S.

SEAL CONDUIT DETAIL
N.T.S.



TYPICAL RISER DETAIL
N.T.S.

1 T-2.0

TOP VIEW DETAIL
N.T.S.

SIDE VIEW DETAIL
N.T.S.

Notes:

1.0 Do not scale dimensions from drawings. Dimensions govern.

2.0 All dimensions are in feet and inches, unless noted otherwise.

3.0 The contractor shall check all dimensions, levels and angles on site prior to commencing any work.

4.0 in.formation studio shall be notified, in writing, of any discrepancies in any or all drawings from any or all disciplines prior to commencing any work.

5.0 This plan was prepared based on information obtained & provided by the owner.

REVISIONS			
1	05.31.17	Explanation	
REV. #	DATE	ISSUING REASON	

PROFESSIONAL SEAL

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in.formation studio
landscape . architecture . product
Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729
Tel: +1 (787) 256-5030 e-mail: info@in.studio

PROJECT TEL & ADDRESS

Plaza de Artes Teatrales

Calle Autonomía, Esq. Calle Muñoz Rivera, Canóvanas, PR 00729

PERMIT SET
DATE : JUNE 10, 2024

designed:	A.LAZARO lic.: 11483
draftman:	C.SANTIAGO lic.: 0388

This drawing is not authorized to be released for contract until fully approved by Architect, Owner and all corresponding Government Agencies including P.R.E.P.A. and Telephone Company.

NET NEGOCIADO de TELECOMUNICACIONES DE PUERTO RICO

Negociado de Telecomunicaciones de Puerto Rico

ENDOSO DE PLANOS DE FACILIDADES Y/O SERVIDUMBRE DE TELECOMUNICACIONES Y TELEVISIÓN POR CABLE

NÚMERO DE CASO NETPR: 2023-RI-0195

NÚMERO DE CASO OGPE: 2023-480217-SRI-303424

Revisado por: _____ Fecha _____

Aprobado por: _____ Fecha _____

ESTE ENDOSO NO EXIME AL CONSTRUCTOR Y AL DESARROLLADOR DE CUMPLIR CON LOS REQUERIMIENTOS DE CONSTRUCCION CONFORME A TODAS LAS DISPOSICIONES DE LOS REGLAMENTOS APLICABLES.

SHEET TITLE

TELECOM DETAILS

CLIENT
Municipality of Canóvanas - Hon. Lornna J. Soto

PROJECT # xx-xx

PROJECT PHASE Advanced Print - 90%

SHEET # 9

DRAWN BY krs

DATE 16.xii.2022

DESIGNATE **T-2.0**

Exhibit 17f

GOBIERNO DE PUERTO RICO
Departamento de Desarrollo Económico y Comercio
Oficina de Gerencia de Permisos

Número de Caso:
2024-552893-PCOC-307244

Notificación de Requisitos para Aprobación de Permiso de Construcción

Plaza de Artes Teatrales

Datos de Localización

Dirección Física
CALLE AUTONOMIA ESQ MUNOZ RIVERA
, Canóvanas, Puerto Rico

Número(s) de Catastro
089-086-017-08

Materiales de Construcción
Hormigón Armado y Bloques

Ýrea
Cabida de los desarrollos: 503.5400 m²

Ýrea Bruta de Construcción: 250.00 p²

Dueño
Municipio de Canovanas

Proyectista
Arquitecto Julian Manriquez botello Lic. No. 19803

Tipo de Solicitud
Nueva

Estimado de Costo de la Obra ($USD)
Costo Estimado (Original) $387,198.00

Asunto
Construccion de Plaza Teatrales

Requerimientos
Estimado(a) : Arquitecto Julian Manriquez botello Lic. No. 19803

Por medio de esta notificación se le informa que para que se le otorgue una aprobación final a su solicitud, tendrá que cumplir con las condiciones señaladas a continuación:

1. Someter la Certificación para el Trámite de Permiso de Construcción o Urbanización (Póliza Eventual), según formalizado en la Oficina correspondiente de la Corporación del Fondo del Seguro del Estado.

2. Someter evidencia de que se han satisfecho los arbitrios municipales correspondientes a esta obra, de conformidad con la Ley Núm. 88 del 24 de junio de 1971, copia del decreto de exención como evidencia de que le es de aplicación al Artículo 2, Sección C de la Ley de Incentivos Contributivos de 1987, Ley Número 8 del 24 de enero de 1987, según enmendada, o certificación al efecto de la Oficina de Exención Contributiva Industrial del Departamento de Estado.

3. Someter una foto del rótulo que identificará la construcción (debidamente instalado) a tenor con lo dispuesto en el Reglamento Conjunto vigente. Será responsabilidad del desarrollador la instalación de un rótulo con tamaño mínimo de 2' x 4' en la entrada principal de la propiedad que incluya lo siguiente: número de solicitud, tipo de solicitud presentada, nombre del dueño y proponente de la obra, dirección postal y electrónica de la OGPE o Municipio Autónomo para comentarios sobre la solicitud.

4. Someter copia firmada de la siguiente información de la obra:
a. Fecha de comienzo de la obra.
b. Tiempo de construcción
c. Número de empleos directos a crear.

Notificación de Requisitos para Aprobación de Permiso de Construcción

Condiciones Especiales

NINGUNA

Aviso

Es de entenderse que esta notificación no es autorización ni permiso para iniciar las obras de construcción y que la vigencia de esta notificación está limitada por el Reglamento Conjunto vigente, según facultado por la Ley Núm. 161 de 1 de diciembre de 2009 para la Reforma del Proceso de Permisos de Puerto Rico, según enmendada. Esta notificación quedará sin efecto a los 6 meses, a partir de la fecha de expedición.

Firma / Sellos

Fecha de Expedición:

25/Jul/2024

SBP SINGLE BUSINESS


EXHIBIT 18

TECHNICAL REPORT No. 1

GEOTECHNICAL STUDY for
PLAZA DE ARTES
CANÓVANAS, PUERTO RICO

GMTS PROJECT No. G231587.A

Prepared For:

Arch. Julián Manriquez
in.formation studio
6777 Ave. Isla Verde
IVM Building Suite 221
Carolina, PR 00979

January 30, 2023

Prepared By:

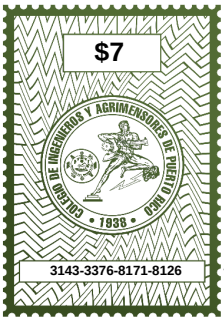
This document consists of 21 pages.
Este documento consiste de 21 páginas.

COLEGIO DE INGENIEROS Y AGRIMENSORES
DE PUERTO RICO

PO Box 363845 San Juan Puerto Rico 00936-3845
Tel. 787.758.2250 #205 · practica@ciapr.org

ESTAMPILLA DIGITAL ESPECIAL (EDE)

Ing. Manuel E. Ochoa Lavergne, PE



SELLO PROFESIONAL

Práctica de:	Ingeniería
Licencia:	22275
Renglón:	Servicio Profesional
Descripción del Trabajo:	Realización de Estudios de Ingeniería
Fecha de Emisión:	01/30/2023
Monto Emitido:	$7
Número de Serie:	3143-3376-8171-8126
Número de Caso:	G231587.A (g23007)
Proyecto / Unidad:	PLAZA DE ARTES CANOVANAS
Rol del Profesional:	Consultor

Certificación:

El profesional certifica con la emisión de la estampilla digital especial del Colegio de Ingenieros y Agrimensores de Puerto Rico el haber cumplido con las disposiciones de la Sección 11 de la Ley 319 del 15 de mayo de 1938, según enmendada.

La colocación del sello profesional constituye la cancelación de la estampilla digital especial

RENOVACIÓN APROBADA: 19 de enero, 2019

RENEWAL APPROVED ON: January 19, 2019

Gobierno de Puerto Rico
Government of Puerto Rico

DEPARTAMENTO DE ESTADO
Department of State

Secretaría Auxiliar de Juntas Examinadoras
Office of the Assistant Secretary of State for Examining Boards

La Junta Examinadora de Ingenieros y Agrimensores
The Examining Board of Engineers and Land Surveyors

por la presente certifica que
hereby certifies that

Manuel Enrique Ochoa Lavergne

habiendo cumplido todos los requisitos de Ley, se ha inscrito en el Registro de esta Junta como
having met all the requirements of law, has been registered as:

Ingeniero Licenciado
Licensed Engineer

En testimonio de lo cual, se expide esta licencia para el ejercicio de dicha profesión, bajo el sello de la Junta Examinadora.
In testimony whereof, this license is issued to practice this profession, under the seal of the Board of Examiners.

En San Juan, Puerto Rico, efectivo 12 de enero de 2019
In San Juan, Puerto Rico, effective January 12, 2019.

Número de Licencia: 22275
License Number

Vencimiento: 11 de enero de 2024
Expires: January 11, 2024

Presidente

Directora
Director



TECHNICAL REPORT No. 1

January 30, 2023

Arch. Julián Manriquez, AIA
in.formation studio
6777 Ave. Isla Verde
IVM Building Suite 221
Carolina, PR 00979

Re: GEOTECHNICAL EVALUATION for
PLAZA DE ARTES
CANÓVANAS, PUERTO RICO
PROJECT No. G231587.A (g23007)

Dear Arch. Manriquez:

As requested, this technical report presents an evaluation of the subsoil conditions encountered at the referenced project. **Figure 1 (Site Location Map)** shows the location of the site.

The proposed project considers the design and construction of a new Plaza de Artes facilities in Canóvanas. The development considers the construction of a one-level structure, along with open space. Open space shall include bleachers and soil mounds. No other information and/or requirements have been provided at the time of this report.

SOIL DATA

One (1) soil boring was performed at the referenced property to study subsoil conditions at the proposed development area. Borings were drilled with a trailer-mounted **CME45** drill rig, with safety SPT hammer. **Figure 2 (Boring Location Plan)** shows the location of the drilled boring.

The soil boring disclosed mainly a cohesive soil profile, consisting of mixtures of silt and clay, with variable amounts of sand and rock fragments. The consistency of the soils ranged anywhere from **soft to very stiff**, based on the unconfined compressive strength measurements and SPT N-Values. Natural water contents ranged from about 19 to 49 percent.

The water level was detected at a depth of **about 14 feet** within the drilled depths at the time of fieldwork. The reader should be aware that ground water levels might fluctuate due to seasonal

variations, precipitation, construction activities, and/or other factors not evident at the time of measurement. **Accurate phreatic levels, especially in fine-grained soils, could only be measured by monitoring observation wells until the water table is stabilized.** This is beyond the scope of this work.

For a detailed description of soils found at site, please refer to the boring log included with this report (**Appendix 2**). **All depths mentioned in this report, unless otherwise specified, are referred to the exiting ground elevation prevailing during the period of fieldwork.** It should be noted that the boring logs indicate the SPT N-Values as sampled, without any corrections for hammer efficiency or other correction factors. Also, logs show only the subsurface conditions on the date and locations indicated. Subsoil changes may occur within short distances.

FOUNDATION RECOMMENDATIONS

In general, subsoil conditions encountered at site are **considered competent** as foundation soils, provided the geotechnical recommendations included in this report are followed. Shallow foundations may be designed based on an **allowable soil bearing pressure (q_a) of 2.5 ksf,** at a **foundation depth (D_f) of at least 1.5 feet** below existing grade elevation. Foundation width should be limited to 6 feet for square footings, or 3.5 feet for continuous footings. This is to minimize loading on the deeper softer soil conditions. Furthermore, this considers that not site raise is required at the structure area.

Uplift capacity of shallow foundations, if required, is limited to the weight of the footing and any soil directly sitting on top of the footing, if any. The structural engineer-of-record should provide a proper footing configuration (*i.e.* depth and width) to resist the anticipated uplift loads. A **total soil unit weight of 110 pounds per cubic foot (pcf)** may be considered for soils above the foundation level, if any and/or if required. However, it should be verified that the backfill material for the excavations be capable of attaining a **minimum unit weight of 110 pcf**. Refer to **Appendix 3 (General Site Improvement / Earthwork – Fill Materials)** for additional notes on fill materials.

Furthermore, it should be noted that soil mounds and/or bleachers could induce consolidation of the deeper soils, considering that on average they would extend vertically about 6 feet from existing grade. Considering a general area of about 35'x35', this may produce estimated settlements in the order of 1 to 1.5 inches. Hence, adequate distance from structures and foundation should be considered for these structures.

SEISMIC CONSIDERATIONS

For the dynamic evaluation of soil-structure interaction, an average soil profile S_E was determined per the prevailing **IBC, Puerto Rico Building Code (PRBC),** and **ASCE 7**. The reader should note that this recommendation is based solely on the soil sample descriptions, SPT N-values and unconfined strength measurements obtained from **the borings to the drilled depths**, and inferring that the soil conditions below these depths should be equal to or better than those encountered within the

depths explored. It should also be noted that the prevailing building codes require drilling down to 100 feet for a proper seismic site classification, **which was beyond the scope of our work**.

It should be noted that the reference property lies in close proximity of various faults, as close as 0.5 mile to the east. Refer to **Figure 3 (Geologic Map)** for geologic setting. The technical definition of a fault is a fracture or surface zone in which difference in geologic units has been observed due to relative displacement. It should be noted that although faults are generally represented in maps with single lines, they usually are not single, clean fractures but rather a zone of fracturing patterns. There are active faults (generally associated with tectonic movements, or likelihood of producing an earthquake) and inactive faults (those that we can identify but are not expected to produce earthquakes). Faults in Puerto Rico are common due to its origin and geologic evolution.

The closest system of faults to site is what is known as **Great Northern Puerto Rico Fault zone (GNPRfz)**, estimated anywhere from about 8 to 9 miles. **Figure 4 (Puerto Rico Inner Fault Zones)** shows Puerto Rico's inner faults systems. It should be noted that the estimated distances indicated are relative to the generalized superficial projection of the fault system. The **GNPRfz** system of faults is considered active and estimated to be capable of producing earthquakes with up to M6.5. It should be noted that near-fault sites are considered as sites within 9.5 miles of a fault capable of producing M7, and 6.25 miles for faults capable of 7>M>6. Furthermore, it should also be noted that the USGS maps are outdated, with not all seismic hazards necessarily incorporated into the seismic hazard, especially for inland faults (such as the recently activated **NBBPMfz**). In any case, a **site-specific fault and/or seismic study was beyond the scope of the work**.

The client should also be aware that the main purpose to design against significant seismic events is to avoid structure collapse to **protect human life**. Repairs after significant seismic events may still be required.

ADDITIONAL CONSIDERATIONS

Site Drainage: site drainage is of paramount importance to reduce the possibility of saturation of foundation soils, resulting in possible foundation problems. Hence, all roof downspouts and surface drainage should be collected and disposed of away from structures/foundations.

It is of utmost importance that the drainage provisions are designed and maintained properly. Periodic maintenance is required to maximize the performance and construction life of the proposed rehabilitation, especially after heavy precipitation events. This includes the maintenance of the construction elements and replacement, as necessary, as well as cleaning of the adjacent areas from any debris that could affect drainage provisions.

Demolition of Existing Structures: the reader should be aware that the demolition of existing structures, particularly when this includes the demolition of structures and foundations, may cause significant disturbance in the uppermost soil strata. Hence, an assessment the resulting soil condition may be required during earthwork activities for structures at site, if any. Reconditioning of all loose materials resulting from the demolition process, if any, would be required prior to

construction. Once addressed, the subgrade should be prepared as recommended in **Appendix 3**.

GENERAL SITE IMPROVEMENT / EARTHWORK

Although final grading information has not been provided at the time of this report, we understand site grade is to remain essentially the same at the structure area. However, soil mounds and bleachers are part of the project development. As indicated above, adequate distance from structures should be maintained to avoid imposing additional loading onto foundations. Once the final project design is in place, this office should be allowed to review the design drawings to confirm the recommendations are applicable, or provide additional applicable recommendations, as/if necessary. General guidelines for earthwork are also included in **Appendix 3**.

CLOSING

This report is based on all design concepts, parameters and constraints, which have been made known to this firm. The undersigned states that his professional services are in accordance with the generally accepted principles, professional practice, and standard of care in the field of Geotechnical Engineering. The conclusions and recommendations presented in this report are the result of the professional evaluation made by this firm of the stratigraphic properties of soils, as obtained from the **soil boring performed** at site. Interpretation and judgment based on these data may differ from actual conditions, since variations in the nature and behavior of subsurface materials may occur within short distances. Furthermore, the client should be aware that the subsurface profile prepared is based on a statistically limited number of soil samples obtained on the subsoil exploration program.

This study is considered a **Phase I: Level 3 study**. Refer to **Appendix 4 (Study Limitations & Geoprofessional Phases)** for additional information and definition of Phases/Levels. **GMTS is available to review project plans prepared by the client to verify and/or confirm that the recommendations included in this report are applicable, or provide additional applicable recommendations, as/if necessary.**

Furthermore, we strongly recommend that our team be retained for the field observation phase of this project, to assess whether the recommendations provided in this report are in agreement with the conditions observed during fieldwork, and to address any additional conditions that may present during earthwork, if any. However, conscious that this may not be necessarily possible, in the event the Field Observation Phase of the work is granted to another geoprofessional firm, they should review the report(s) pertaining to this project, and shall adopt it as its own, or conduct additional work as deemed necessary, thus **fully relieving GMTS of ALL RESPONSIBILITY for the project**.

If you have any questions, please contact the undersigned at your convenience.

Respectfully submitted,

Manuel E. Ochoa Lavergne, MSCE, PE
Geotechnical Engineer

Enclosures: App 1: Figures
App 2: Soil Boring Log
App 3: General Earthwork Guidelines
App 4: Study Limitations and Geoprofessional Phases

APPENDIX 1

FIGURES



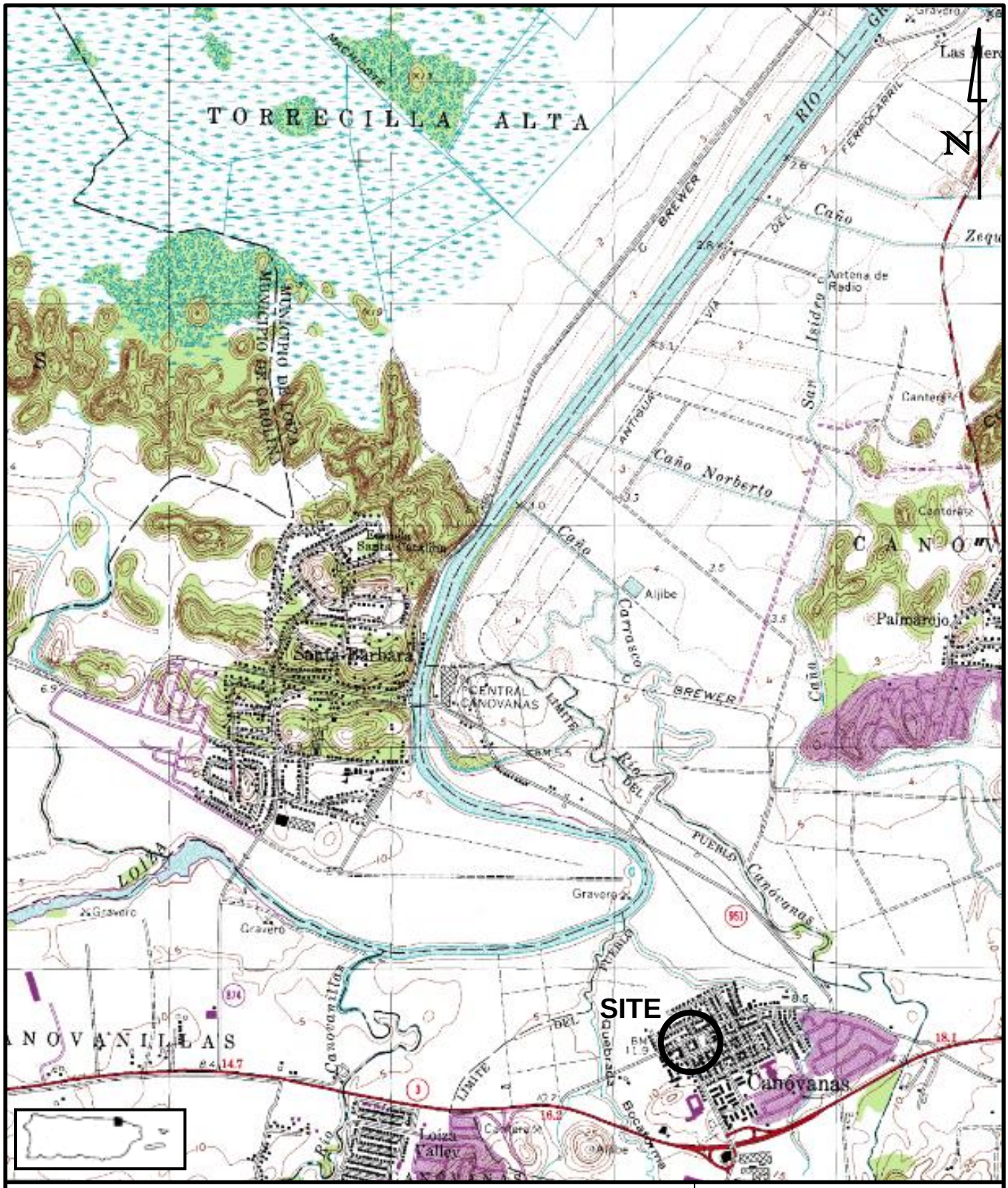


FIGURE 1 – SITE LOCATION MAP
PLAZA DE ARTES
CANÓVANAS, PUERTO RICO

Scale: NTS	Dwg. by: LRS	Rev. by: MOL	Project: G231587.A



LEGEND:

- Soil Boring

NOTES:

1. Location is approximate.
2. Base drawing adapted from Google Earth

Scale: NTS	
Dwg. By: LRS	
Rev. By: MOL	
Project No: G2315487.A	
Client Code: N/A	

FIGURE 2 – BORING LOCATION PLAN
PLAZA DE ARTES
CANÓVANAS, PUERTO RICO

GMTS

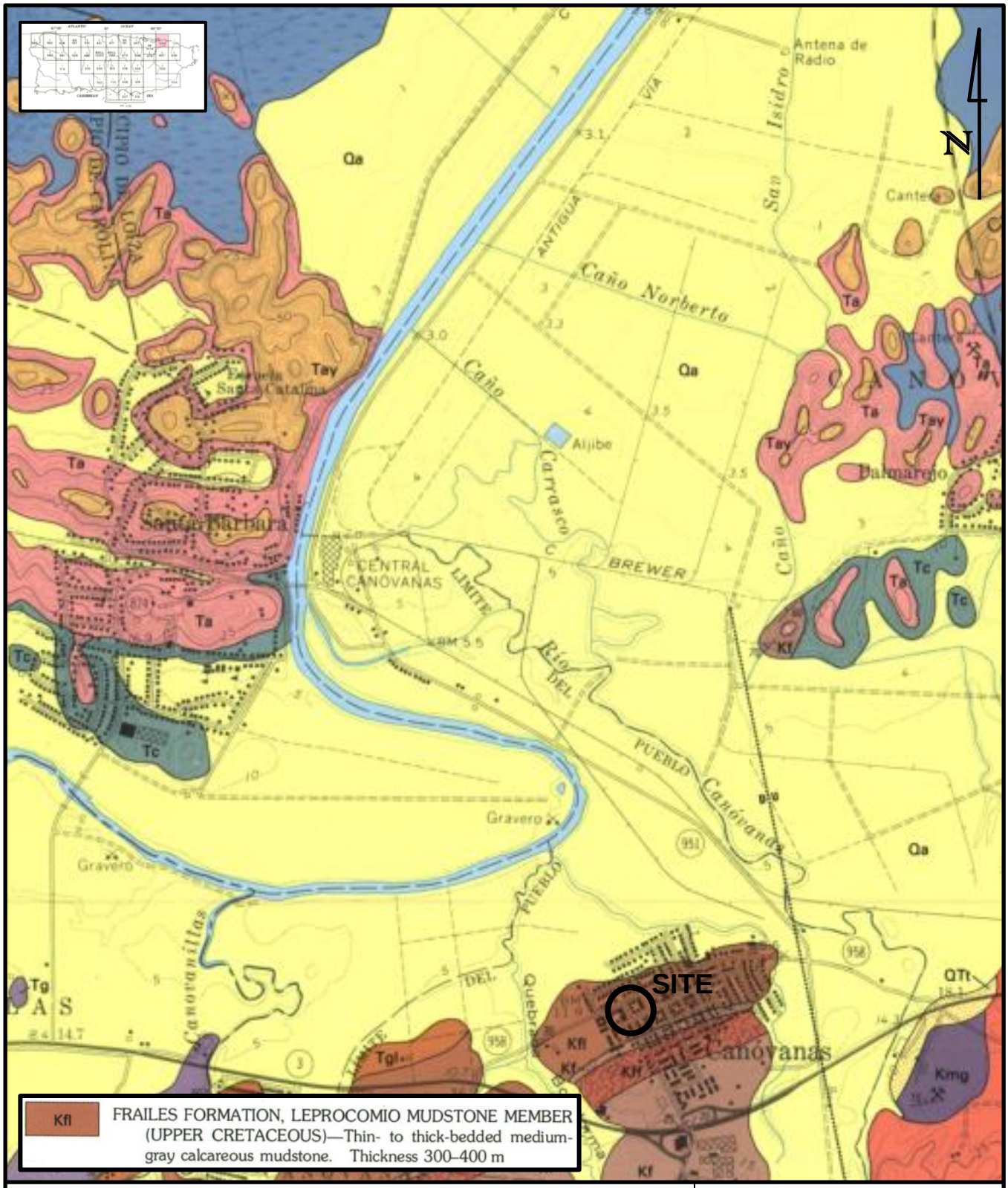
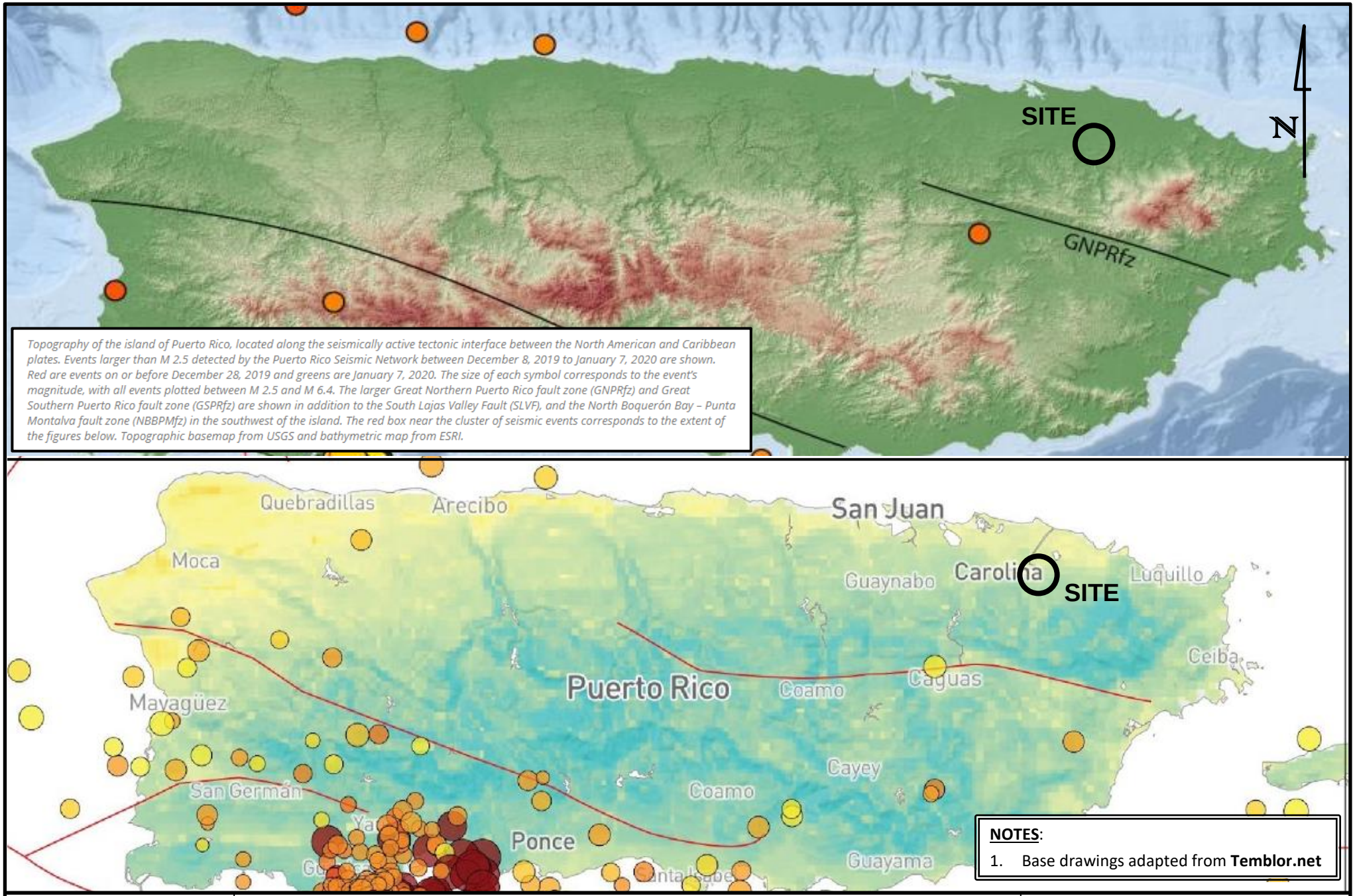


FIGURE 3 – GEOLOGIC MAP
PLAZA DE ARTES
CANÓVANAS, PUERTO RICO

Scale: NTS	Dwg. by: LRS	Rev. by: MOL	Project: G231587.A



Topography of the island of Puerto Rico, located along the seismically active tectonic interface between the North American and Caribbean plates. Events larger than M 2.5 detected by the Puerto Rico Seismic Network between December 8, 2019 to January 7, 2020 are shown. Red are events on or before December 28, 2019 and greens are January 7, 2020. The size of each symbol corresponds to the event's magnitude, with all events plotted between M 2.5 and M 6.4. The larger Great Northern Puerto Rico fault zone (GNPRfz) and Great Southern Puerto Rico fault zone (GSPRfz) are shown in addition to the South Lajas Valley Fault (SLVF), and the North Boquerón Bay – Punta Montalva fault zone (NBBPMfz) in the southwest of the island. The red box near the cluster of seismic events corresponds to the extent of the figures below. Topographic basemap from USGS and bathymetric map from ESRI.

NOTES:

1. Base drawings adapted from **Temblor.net**

S□ale□□TS	
D□□□□□□LRS	
Re□□□□M□L	
□r□e□t □□□□ □□□□□□□A	
□l□e□t □□de□□□A	

FIGURE 4 – PUERTO RICO INNER FAULT ZONES
PLAZA DE ARTES
CANÓVANAS, PUERTO RICO

APPENDIX 2

SOIL BORING LOGS



BORING LOG

JOB No. : G231587A **BORING No. :** PA-1

PROJECT : PLAZA DE ARTES

LOCATION : CANOVANAS, PUERTO RICO

CLIENT : in.formation studio

TOTAL DEPTH :	26 FEET	DRILL RIG :	CME 45	DRILLER :	P. RODRIGUEZ
SURFACE ELEV.:	N/A	DRILL METHOD :	HOLLOW STEM AUGER	LOGGED BY :	A. PEREZ
WATER DEPTH :	14 FEET	SAMPLER :	2" OD X 24" L	START DATE :	1/03/2022
ELAPSED TIME :	@ COMPLETION	HAMMER WEIGHT :	140 LBS (SAFETY)	FINISH DATE :	1/03/2022

WATER LEVEL	DEPTH FEET	DEPTH METERS	SAMPLE No.	BLOWS (per 6 in.)	N-VALUE 0 100 / w (%) 0 100	GRAPHIC LOG	SOIL DESCRIPTION	N (bpf)	Qu (tsf)	PEN (tsf)	TOTAL UNIT Wt. (pcf)	w (%)
	0	0	PA1-1	4-6-4-3			SILTY CLAY, little sand, trace rock fragments, occ. thin roots, stiff to very stiff, very dark brown	10		3.25		19
			PA1-2	3-3-5-5			SILTY CLAY, trace to little sand, trace rock fragments, occ.oxidation spot, stiff, yellowish brown	8	1.7	2.0	114	34.3
		1										
			PA1-3	3-4-4-5			SILTY CLAY, trace sand, occ. oxidation joints, stiff to very stiff, dark yellowish brown, pale brown	8	3.0	2.75	112	34.8
	5											
		2	PA1-4	3-4-8-11			SILTY CLAY, trace sand, stiff to very stiff, dark yellowish brown, pale brown	12		4.0		33.4
			PA1-5	4-6-10-10			SAME AS ABOVE, occ. fragments, very stiff	16	3.2	2.75	115	35.3
	10	3										
		4										
▼			PA1-6	3-4-4-6			SILTY CLAY / CLAYEY SILT, trace to little rock fragments, trace oxidation joints, soft to medium, dark yellowish brown	8		0.25		49.1
	15	5										
			PA1-7	3-3-5-5			SILTY CLAY, little sand, trace rock fragments, occ. oxidation spot, soft to medium, dark yellowish brown	8		0.5		40.3
	20	6										
		7										
			PA1-8	4-4-8-12			SILTY CLAY, little sand, occ. pebble rocks, occ. oxidation joints, stiff to very stiff, dark yellowish brown	12	2.4	1.5	120	33.6
	25	8										
							END OF BORING AT 26 FEET					
	30	9										

NOTES: *All depths referred to existing grade*
▼ *Initial Water Level Reading*
▽ *Final Water Level Reading*

COMMENTS:

APPENDIX 3

GENERAL EARTHWORK GUIDELINES



APPENDIX 3:
GENERAL EARTHWORK GUIDELINES

Earthwork operations required at site may consider the following general guidelines. Once final project requirements are established, additional earthwork recommendations may be required.

- *Clearing, Grubbing, Stripping and Excavations*

The site should be cleared and stripped of all surface and near-surface deleterious materials, including buried utility lines or structures, pavement, construction debris, vegetation and associated roots prior to fill placement or at the foundation areas. **The actual stripping / excavation depth should be determined directly at the field during earthwork operations, depending on the conditions observed, and the final design of foundations**.

All excavations at the site should be performed in accordance with 29 CFR Part 1926, **"Occupational Safety and Health Standards - Excavations; Final Rule,"** published by the U.S. Dept. of Labor, Occupational Safety and Health Administration.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY EXCAVATIONS AT THE SITE. This includes the design of any required temporary slopes, dewatering, and shoring and bracing, as necessary. Positive surface gradients should be provided to divert surface runoff away from excavations for foundations and construction areas. Ponding of water should be avoided to reduce damage of properly graded areas.

- *Proof Rolling*

Following excavation, once all loose materials are removed from the excavation process, the exposed surfaces should be proof-rolled to detect soft spots. Proof-rolling consists of rolling the area with a smooth roller (static or vibratory), observing the reaction (firmness or softness) of the exposed soil surface. In general, the area should be rolled with to the satisfaction of the Geotechnical Engineer, or his representative, retained by the owner.

In the case soft spots are encountered, the actual undercut depth at soft/loose areas should be determined directly at the field during earthwork operations, depending on the conditions observed. These areas should be replaced with a compacted fill pad of engineered soil.

- *Fill Materials*

Borrow materials for fill and/or backfill should consist of essentially granular material, as follows:

  - **AASHTO Soil Classification system**: A-2, or better
  - **Unified Classification system**: GW, GP, GM, GC, SW, SP, SM, or SC

All fill/backfill should be free from vegetable matter and should not contain rocks greater than 6 inches in size, and should be **approved by the Geotechnical Engineer-of-Record**.

- *Compaction*

Any fill and/or backfill required to attain finished grade, or in the case of over-excavations, should be placed as follows:

- **Layer thickness**: not exceeding 8 inches (loose measure)
- **Density**: 95% of Modified Proctor Maximum Dry Density (ASTM D1557)
- **Water Content**: within -2% to +4% of optimum (W_{opt})

As the placement of each layer progresses, continuous leveling and compaction should be performed to assure uniform density and satisfactory surface drainage. Compaction equipment selected by the contractor should be able to compact the fill to the specified minimum compaction at the proper moisture content. Water should be added or removed, as necessary.

Field density tests should be performed by the Geotechnical Engineer, or his representative, to measure the density of each layer of fill. If the density tests indicate that the attained density is less than that required, additional compactive effort should be applied by the contractor until the specified density is obtained. Sufficient density tests should be made to support the Geotechnical Engineer's approval of each fill layer.

- *General*

All earthwork activities, starting with clearing and grubbing, should be observed by a Geotechnical Engineer or his representative. Observations should be performed continuously throughout earthwork operations, including, but not limited to identification and removal of unsuitable materials, laboratory testing and approval of proposed fill materials, and in situ testing of compacted materials for quality control. This is general accordance with the guidelines of **IBC Table 1704.7.**

The above are general guidelines for earthwork activities. The actual project specifications should incorporate all requirements contained within this text. **Variations in soil conditions are possible and may be encountered during construction**. To correlate the soil data recovered in this exploration program and actual subsurface conditions encountered during construction, and to observe conformance with the project specifications, it is essential that a Geotechnical Engineer or his representative be retained during the earthwork phases of the project.

APPENDIX 4

GEOPROFESSIONAL SERVICES PHASES/LEVELS



APPENDIX 4:
STUDY LIMITATIONS & GEOPROFESSIONAL PHASES

The CLIENT recognizes that special risks occur whenever engineering or related disciplines are applied to identify subsurface conditions. Even a comprehensive sampling and testing program, implemented with the appropriate equipment and experienced personnel under the direction of a trained professional who functions in accordance with a professional standard of care may fail to detect certain conditions, because they are hidden and therefore cannot be considered in development of a subsurface exploration program.

For similar reasons, actual geological and geotechnical conditions between borings may differ significantly from those that actually exist. The passage of time must also be considered, due to natural occurrences or direct or indirect human intervention at the site or distant form it may quickly change. The CLIENT realizes that nothing can be done to eliminate this risk altogether, but certain techniques can be applied to help reduce them to that level tolerable by the CLIENT. **GMTS** is available to explain these risks and risk reduction methods.

Geoprofessional services can be divided into multiple phases/levels, as follows:

Phase I: ***Subsoil Investigation***

Level 1: ***Geotechnical Desktop Study*** is generally the first level available in the geotechnical toolbox. This type of study provides an overview of site conditions on a holistic level. Desktop studies are effective and valuable tools that are used as part of site investigation processes (for developed and/or undeveloped sites), especially for sites or projects that require an initial macro-level evaluation. A well-executed desktop study aids in identifying the likelihood of areas/zones exposed to specific risks without necessarily going into the micro (detailed) investigation level.

To perform the desktop study, **GMTS** utilizes its in-house comprehensive database, aerial photos, literature survey, and additional databases available, such as maps and public reports. The results are presented in a preliminary geotechnical desktop study report. The preliminary report may provide guidelines and recommendations of exploratory work at a given site as part of **Levels 2** and **3**.

Level 2: this level considers a ***Preliminary Subsoil Exploration*** program. The geoprofessional advises the client about project-specific risks and a preliminary subsurface exploration plan that responds to the CLIENT's risk tolerance levels, budget, schedule, and other vital concerns. The above results in the performance of a preliminary subsoil exploration of the site, preliminary evaluation of the encountered conditions and the preparation of a preliminary geotechnical engineering report, including opinions on the subsurface profile and general recommendations (generally performed with simplified procedures and presented in terms of ranges) for the preliminary design of the project. ***The recommendations provided are preliminary until confirmed with a final subsoil exploration program, geotechnical design, and field observation,*** because of the uncertainty associated with the subsurface profile prepared, based on a statistically limited number of soil samples obtained on the subsoil exploration program.

Level 3: the third level considers a ***Final Subsoil Exploration*** program. Generally, this is conducted after **Level 2**, or may be conducted directly, depending on the client's requirements.

This level combines methods used in **Levels 1** and **2** to provide a more comprehensive study. As in **Level 2**, the geoprofessional advises the client about project-specific risks and a

comprehensive subsurface exploration plan that responds to the CLIENT's risk tolerance levels, budget, schedule, and other vital concerns. The above results in the performance of a final subsoil exploration of the site (*e.g.* borings, geophysical work, geotechnical instrumentation, etc.), a more comprehensive evaluation of the encountered conditions and the preparation of a geotechnical engineering report, including opinions on the subsurface profile and recommendations for design of the project. ***Even if they are not labeled as such, these recommendations are also preliminary until confirmed with specific geotechnical design and field observation*****,** because of the uncertainty associated with the subsurface profile prepared, based on a statistically limited number of soil samples obtained on the subsoil exploration program.

Phase II: ***Geotechnical Design Phase***

Geotechnical design is the next phase of a complete geoprofessional service and is directly related with specific design aspects of foundations, site improvement, and any other specific aspects of each project, as part of the design process. This requires a final project design and final evaluation of design aspects. This may also require additional site investigation, especially if a preliminary phase (**Level 2**) was not performed and/or the final exploration (**Level 3**) disclosed unanticipated areas of concern. Detailed and advanced geotechnical evaluation is conducted in this phase to optimize, for example, foundation design of structures. This may require iterations of designed elements for efficient optimization and specialized/advanced analyses such as finite element or complex soil-structure interaction modeling.

Phase III: ***Field Observation***

Field observation during construction comprises the third phase of a complete geoprofessional service; permitting those who developed the geotechnical engineering report to observe excavation and/or installation and thereby assess the reliability of their subsurface profile and appropriateness of the ***preliminary recommendations*** provided in the geotechnical engineering report.